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ANALYTICAL RESULTS FOR:

AL EASTERDAY
ECC
33 POST ROAD WEST
MARLBOROUGH, MA 01752

PROJECT SITE:	RVAAP Lab Building DV01 CC83 Ravenna, OH
DOD CONTRACT #:	
PROJECT #:	
SDG:	99211
PREPARED:	September 4, 2013
DOCUMENT PAGES:	2753

The data contained in the following report have been reviewed by the appropriate CT Laboratories LLC's staff members. In addition, CT Laboratories LLC certifies that to the best of our knowledge that the analyses reported herein are true, complete and correct within the limits of the methods employed and that they follow the applicable requirements as specified by the project plan, state-specific, NELAC or DOD QSM requirements. The estimated uncertainty of measurement is only available upon request. The reported results relate only to the tested samples. This report shall not be reproduced, except in full, without written approval of CT Laboratories LLC.

APPROVED BY: _____ LABORATORY DIRECTOR

APPROVED BY: _____ QA OFFICER

APPROVED BY: _____ PROJECT MANAGER

Certifications: IL (NELAP 002413), KS (NELAP E-10368), KY (0023), PA (NELAP 68-04201), NJ (NELAP WI001), NC (674), WI (157066030), GA EDP Stipulation (Accreditor: LA NELAP, ACC#: 115843, Scope: Haz/solid water/Non-potable water, Effective: 07/01/2012, Expires: annually), DOD ELAP (A2LA 3317.013), AK (UST-099), LA (NELAP 115843), VA (460203)

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Explosives QC Documents	1697
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Metals Raw Data Documents	1944
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Case Narrative

Client: ECC
Project: Ravenna AAP, Lab Building DV-1 CC83, Ravenna, OH
Sample Receipt Date(s): 8/13 – 8/15/2013
SDG #: 99211 (folders 99211 and 99295)

Thirteen multi-incremental or discrete soil samples were received for a variety of analyses, including: hexavalent chromium, TAL metals, explosives, nitroguanidine (NQ), nitrocellulose, pesticides, PCBs, SVOCs/PAHs, and VOCs. Three trip blanks were included in the VOC analyses. The assigned sample ID number, date sampled, and date received are indicated in the attached Project Summary. The samples were received intact and at a temperature within method specified acceptance limits. A breakdown of sample receipt information can be found on the Sample Condition Report located in the last section of the data package and any exceptions are noted below. The analyses were performed following DOD QSM 4.2

All of the multi-incremental soil samples were first air-dried. Samples were sieved and an aliquot of each sample removed for the metals analyses. The remaining amount, after removal of aliquot for metals testing, was then ground via puck mill and homogenized prior to analysis.

Sample Analysis and Quality Control

Volatile Organic Analysis:

The samples were analyzed using US EPA Method 8260C (VOC's). All samples were analyzed within the holding time. The following summaries of quality control procedures are included:

Surrogate Recovery Data
Matrix Spike/Matrix Spike Duplicate Recovery Data
Laboratory Control Spike Data
Method Blank Data
Initial Calibration Summary
Calibration Check Summary
Analysis Run Log
Prep Log

All analysis results met the method specified quality control criteria with the following exceptions:

Detailed reports were provided for the 8260 data for all detected compounds, as well as, for those compounds manually integrated (if applicable).

Compounds that may not meet the minimum average response factor (ARF) criteria for 8260C (such as several of the ketones) are analyzed at concentrations 2 to 50 times higher than normal to make up for their lack of response. However, the ARF on the response factor (RF) forms do not reflect this change in concentration. These compounds may be "flagged" on RF forms as a result

Some samples may have been analyzed and/or reanalyzed diluted to obtain results for all target compounds within the calibration range of the instrument.

Samples suspected of being poorly purged, improperly prepped, miss-injected, or potentially contaminated from carryover were reanalyzed and reported accordingly.

VOC (8260C) Low-Level Soil Analyses

Some samples received for low-level soil analysis had aliquots greater than 5 grams. This can lead to poor purging efficiency and can ultimately result in lower response and instrument sensitivity. Since the volume of DI water is not adjusted to obtain a 1:1 ratio for this method, the reporting limits for all target compounds are skewed artificially low.

Analytical Run # 96824

Level 8 was not used for bromomethane, acetone, 2-butanone, trans-1,3-dichloropropene, and bromoform on the initial calibration curve (LS081913) due to loss in linearity. Methylene chloride was calibrated using quadratic regression (two ICV's were analyzed for this compound). Methylene chloride had a high recovery on ICV1. Detects of this compound in the associated samples were qualified with a "Z" flag. Methylene chloride was detected in the Initial Calibration Blank (ICB).

CCV2 had a low recovery outside specified criteria for bromomethane and a high recovery outside specified criteria for tetrachloroethene (>20% Dev.). Bromomethane was qualified with a "Z" flag on all associated samples. Tetrachloroethene was not detected in the associated samples so the data were not qualified. CCV2 also had a high recovery for methylene chloride on a quadratic regression curve (>20% Drift). Detects of this compound in the associated samples were qualified with a "Z" flag.

Methylene chloride was detected in the Method Blank (MB) and the Continuing Calibration Blank (CCB). Detects of this compound in the associated samples were qualified with a "B" flag.

The Matrix Spike (MS) and the Matrix Spike Duplicate (MSD) for sample # 337816 had low recoveries for a number of compounds. These compounds were qualified with an "M" flag on the parent sample.

The Laboratory Control Sample (LCS) had a high recovery for methylene chloride. Detects of this compound in the associated samples were qualified with a "Q" flag.

MRL1 and MRL2 each had recoveries for two compounds outside acceptable limits. All target compounds were detected in the MDL check sample.

Semi-volatiles Analysis:

The samples were analyzed using US EPA Method 8270D in standard (full-list) and SIM-scan (PAH's) modes. All samples were analyzed within the holding time. The following summaries of quality control procedures are included:

Surrogate Recovery Data
Matrix Spike/Matrix Spike Duplicate Recovery Data
Laboratory Control Spike Data
Method Blank Data
Initial Calibration Summary
Calibration Check Summary
Analysis Run Log
Prep Log
Chromatograms

All analysis results met the method specified quality control criteria with the following exceptions:

SVOC (8270D) Soil Analyses

Analytical Run # 97038

The MS and MSD were analyzed on sample 337815 and both had low recoveries for benzyl alcohol. The recoveries were confirmed by reanalysis and the analyte was qualified with an "M" in the parent sample.

The MS/MSD RPD was high for hexachlorocyclopentadiene and benzyl alcohol. They were qualified with a "Y" in the parent sample.

A MRL and MDL were run at the beginning and ending of the sequences. The beginning MRL on 8/22/2013 had a low recovery of benzyl alcohol and high recoveries for hexachlorobenzene, carbazole and di-n-butylphthalate. The ending MRL had low recoveries for benzyl alcohol and hexachlorocyclopentadiene. The ending MRL had high recoveries for hexachlorobenzene, carbazole, 3,3'-dichlorobenzidine and di-n-butylphthalate. The beginning MRL on 8/23/2013 had a low recovery of benzyl alcohol and high recoveries of hexachlorobenzene, 3,3'-dichlorobenzidine and di-n-butylphthalate. The ending MRL had low recoveries for benzyl alcohol and hexachlorocyclopentadiene. The ending MRL had a high recovery for hexachlorobenzene.

PAH (8270D-SIM) Soil Analyses

Analytical Run # 96978

The method blank (MB) 338954 had benzo(a)anthracene detected at a level higher than MDL but less than 1/2 the reporting limit. The result was confirmed by repeat analysis and the data qualified with a "B" where the analyte was present in the sample at a concentration <10x the amount in the blank.

The MS and MSD were analyzed on sample 337815. The MSD had low recoveries for chrysene and fluoranthene. The results were confirmed by reanalysis and these analytes were qualified with an "M" in the parent sample.

The MS/MSD RPD was high for anthracene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(ghi)perylene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene and phenanthrene. These were qualified with a "Y" in the parent sample.

A MRL was run at the beginning and ending of the sequences and the recoveries were within QC limits.

Pesticide Analysis:

The samples were analyzed using US EPA Method 8081B. All samples were analyzed within the holding time. The following summaries of quality control procedures are included:

Surrogate Recovery Data
Matrix Spike/Matrix Spike Duplicate Recovery Data
Laboratory Control Spike Data
Method Blank Data
Initial Calibration Summary
Calibration Check Summary
Analysis Run Log
Prep Log
Chromatograms

All analysis results met the method specified quality control criteria with the following exceptions:

Pesticide (8081B) Soil Analyses

Analytical Run # 96923

Sample 337828 had a low recovery of the surrogate, TCMX. The low recovery was confirmed in the MS and MSD. Low surrogate recoveries were qualified with an "S" flag.

PCB Analysis:

The samples were analyzed using US EPA Method 8082A. All samples were analyzed within the holding time. The following summaries of quality control procedures are included:

Surrogate Recovery Data
Matrix Spike/Matrix Spike Duplicate Recovery Data
Laboratory Control Spike Data
Method Blank Data
Initial Calibration Summary
Calibration Check Summary
Analysis Run Log
Prep Log
Chromatograms

All analysis results met the method specified quality control criteria with the following exceptions:

PCB (8082A) Soil Analyses

Analytical Run # 96922

All analysis results for this SDG met the method/project specified quality control criteria.

Explosives Analysis:

The samples were analyzed using US EPA Method 8330B. All samples were analyzed within the holding time. The following summaries of quality control procedures are included:

Surrogate Recovery Data
Matrix Spike/Matrix Spike Duplicate Recovery Data
Laboratory Control Spike Data
Method Blank Data
Initial Calibration Summary
Calibration Check Summary
Analysis Run Log
Prep Log
Chromatograms

All analysis results met the method specified quality control criteria with the following exceptions:

All reported analytes with relative percent difference (RPD) values between the primary and confirmation results greater than 40% were qualified with a “P” and listed in the RPD table at the beginning of the Primary Sample Data section of the data package.

Explosives (8330B) Soil Analyses

Analytical Run #97058

The CCV on line 15 of sequence 082713exp-primary had a high failure for 3,5-dinitroaniline (35-DNA). 35-DNA was not detected in the samples and the data was not qualfiied.

The MRL check standards on lines #3 and #34 of the same sequence contained recovery failures. MDL check standards were run immediately after each MRL check with acceptable results.

3-Nitrotoluene (3-NT) had low recovery in the matrix spike duplicate (MSD) sample. Parent sample 337815 was qualified with an "M" for 3-NT.

3-NT and PETN had RPD failures in the MSD sample. Both compounds were qualified with a "Y" in the parent sample.

The surrogate in sample 337834 was high and qualified with an "S".

Nitroguanidine (NQ) Soil Analyses (8330B)

Analytical Run # 97061

All analysis results for this analytical run met the method/project specified quality control criteria.

Metals:

The samples were analyzed using US EPA Methods 6010C (ICP) and 7471B (Hg). All samples were analyzed within the holding time. The following summaries of quality control procedures are included:

Initial and Continuing Calibration Verification
Blanks Summary
ICP Interference Check Data
Spike Sample Recovery
Duplicates Data
Laboratory Control Sample Data
Analysis Run Log

All analysis results met the method specified quality control criteria with the following exceptions:

Continuing Calibration Verifications standards were analyzed at two levels (CCV1 & CCV2) with potentially differing wavelengths. Data associated with CCV's were evaluated based on the concentration of the element in the samples and compared to the appropriate CCV level/wavelength.

Some samples may have been analyzed and/or reanalyzed diluted to obtain results for all target analytes within the calibration range of the instrument.

ICP Metals (6010C) Soil Analysis

Analytical Run # 96872

The Method Reporting Limit Standard (MRL) failed for iron. Sample results were greater than 50 times the Limit of Detection (LOD). Sample results were reported and not qualified.

Calibration Blank (ICB) standards failed for magnesium. No Sample results were reported associated with failing ICB.

Continuing Calibration Verification (CCV1) standards failed for selenium antimony and thallium. Sample results were not reported associated with the failing CCV1.

Continuing Calibration Verification (CCV2) standards failed for silver cadmium iron selenium antimony and thallium. Sample results greater than the LOD were not reported associated with the failing CCV2.

Continuing Calibration Blank (CCB) standards failed for barium and vanadium. Sample results were either less than the LOD or greater than one-tenth CCB result to be reported and "B" qualified.

Aluminum, barium, magnesium manganese, calcium and thallium were detected above the LOD and ½ of the Reporting Limit (RL) in the Method Blank (MB). The MB results for these elements that were less than one-tenth of the sample results the sample data or sample data that was less than the LOD were reported and not qualified.

Nickel was detected above the LOD and less than ½ of the Reporting Limit (RL) in the Method Blank (MB). The MB results for these elements that were less than one-tenth of the sample results the sample data were not qualified.

The Serial Dilution (L) for sample # 337815 had failures and was invalid for some elements. A Post Digestion Spike (PDS) was analyzed and was not acceptable for all and was reported with an "M" qualification for some elements..

The Duplicate (DUP) for sample # 337815 was not applicable for some elements because the parent sample results for these analytes were less than 5 times the LOQ. A Matrix Spike Duplicate (MSD) was analyzed to demonstrate precision and was acceptable for. Sample results were reported and not qualified.

The Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) for sample # 337815 exceeded recovery limits for multiple analytes. A PDS was analyzed and failing recoveries were qualified with an "M" flag in the parent sample. The elements in this sample with acceptable PDS recoveries were reported without qualification in the parent sample.

ICP Potassium and Sodium (6010C) Soil Analysis

Analytical Run # 96873

The Serial Dilutions (L) for sample # 337815 was not applicable because the parent sample results for these elements were less than 50 times the LOQ. The Post Digestion Spike for this sample had acceptable recoveries for sodium and potassium. These elements had acceptable PDS recoveries were reported without qualification.

The Duplicate (DUP) for sample # 337815 was not applicable for sodium and potassium because the parent sample results for these analytes were less than 5 times the LOQ. A Matrix Spike Duplicate (MSD) was analyzed to demonstrate precision and acceptable. Sample results for sodium and potassium were reported and not qualified.

CVAA (7471B) Mercury Soil Analysis

Analytical Run # 96829

The Serial Dilutions (L) for sample # 337815 was not applicable because the parent sample results for these elements were less than 50 times the LOQ. The Post Digestion Spike for this sample had acceptable recoveries for mercury. This element had an acceptable PDS recovery and was reported without qualification.

The Duplicate (DUP) for sample # 337815 was not applicable for mercury because the parent sample results for these analytes were less than 5 times the LOQ. A Matrix Spike Duplicate (MSD) was analyzed to demonstrate precision and acceptable. Sample results for mercury were reported and not qualified.

The Matrix Spike (MS) for sample # 337815 exceeded recovery limits for mercury. A PDS was analyzed and was acceptable. Sample results were reported and not qualified.

Inorganic Analyses:

The samples were analyzed using US EPA Method 9056M (nitrocellulose). All samples were analyzed within the holding time unless otherwise noted. The following summaries of quality control procedures are included:

Duplicate Analysis Data
Laboratory Control Spike Data
Method Blank Data
Initial Calibration Summary
Calibration Check Summary
Analysis Run Log
Prep Log

All analysis results for this SDG met the method/project specified quality control criteria with the following exceptions:

Nitrocellulose (9056M) Soil Analyses

Analytical Run # 97019

The Matrix Spike (MS) and the Matrix Spike Duplicate (MSD) for sample # 337815 had a low recovery. The parent sample result was qualified with an "M" flag.

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Data Qualifiers

Code	Description
A	Analyte averaged calibration criteria within acceptable limits.
B	Analyte detected in associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was not above the detection level.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Calibration criteria exceeded.

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MANUAL INTEGRATION REASON CODES

CTLaboratories has identified four general cases with valid reasons supporting the use of manual integration techniques. These codes are used on chromatograms in this data package to document the reasons for manual integrations per CTLaboratories' SOP SS-10 current revision.

#1: **Data system failed to select the correct peak or missed the peak entirely.**
In some cases the chromatography system selects and integrates the "wrong peak". In this case the analyst must correct the selection and force the system to integrate the proper peak. In other instances the system may miss the peak completely. In this case the analyst manually integrated the peak

#2: **Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.**
This phenomenon is common at low concentrations where the signal to noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low or high area counts for the target compound.

#3: Improperly Integrated Isomers and/or coeluting compounds.
For when the system fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations may be inaccurate, and they must be corrected by manual integration. Prime examples are compounds that are unresolved and integrated improperly when present at low concentrations in standards or samples.

#4: System Established Incorrect Baseline.
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and may be corrected via manual procedures.

#5: Miscellaneous.
Some situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the group supervisor. If the form of manual integration is not clearly covered by these four cases, then review and approval by the group supervisor or the *QA/QC* Supervisor will be required.

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Sample Delivery Group

99211

ECC
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33 BOSTON POST RD
MARLBOROUGH, MA 01752

Project Name: RVAAP
Project #:

CT Sample #	Folder #	Client Sample #	Sample Description	Matrix	Date Sampled	Date Received
337811	99211		083SB-0001M-0001-SO	SOIL	08/12/2013	08/13/2013
337812	99211		083SB-0002M-0001-SO	SOIL	08/12/2013	08/13/2013
337813	99211		083SB-0003M-0001-SO	SOIL	08/12/2013	08/13/2013
337814	99211		083SB-0003M-0001-SO	SOIL	08/12/2013	08/13/2013
337815	99211		083SB-0004M-0001-SO	SOIL	08/12/2013	08/13/2013
337816	99211		083SB-0004M-0001-SO	SOIL	08/12/2013	08/13/2013
337818	99211		083SB-0005M-0001-SO	SOIL	08/12/2013	08/13/2013
337819	99211		083SB-0005M-0001-SO	SOIL	08/12/2013	08/13/2013
337820	99211		083SB-0006M-0001-SO	SOIL	08/12/2013	08/13/2013
337821	99211		083SB-0006M-0001-SO	SOIL	08/12/2013	08/13/2013
337822	99211		083SB-0008M-0001-SO	SOIL	08/12/2013	08/13/2013
337823	99211		083SB-0008M-0001-SO	SOIL	08/12/2013	08/13/2013
337824	99211		083SB-0009M-0001-SO	SOIL	08/12/2013	08/13/2013
337825	99211		083SB-0009M-0001-SO	SOIL	08/12/2013	08/13/2013
337826	99211		083SB-0011M-0001-SO	SOIL	08/12/2013	08/13/2013
337827	99211		083SB-0011M-0001-SO	SOIL	08/12/2013	08/13/2013
337828	99211		083SB-0012M-0001-SO	SOIL	08/12/2013	08/13/2013
337829	99211		083SB-0012M-0001-SO	SOIL	08/12/2013	08/13/2013
337830	99211		083SB-0013M-0001-SO	SOIL	08/12/2013	08/13/2013
337831	99211		083SB-0013M-0001-SO	SOIL	08/12/2013	08/13/2013
337832	99211		083SB-0014-0001-SO	SOIL	08/12/2013	08/13/2013
337833	99211		083SB-0014-0001-SO	SOIL	08/12/2013	08/13/2013
337834	99211		083SB-0015M-0001-SO	SOIL	08/12/2013	08/13/2013
337835	99211		083SB-0016-0001-TB	LL TRIP BLANK	08/12/2013	08/13/2013
337836	99211		083SB-0018-0001-TB	LL TRIP BLANK	08/12/2013	08/13/2013
338807	99295		083SB-0001M-0001-SO	SOIL	08/14/2013	08/15/2013
338808	99295		083SB-0002M-0001-SO	SOIL	08/14/2013	08/15/2013
338809	99295		083SB-0020-0001-TB	LL TRIP BLANK	08/14/2013	08/15/2013
338810	99295		083SB-0015M-0001-SO	SOIL	08/14/2013	08/15/2013

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QC Batch Cross Reference Summary

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33 BOSTON POST RD
MARLBOROUGH, MA 01752

Project Name: RVAAP
Project #:
Report Date: 09/04/2013
Date Received: 08/13/2013
SDG #: 99211

Inorganic Parameters

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337811	Solids, Percent	SOIL		96720
337812	Solids, Percent	SOIL		96720
337813	Solids, Percent	SOIL		96720
337814	Solids, Percent	SOIL		96718
337815	Solids, Percent	SOIL		96720
337816	Solids, Percent	SOIL		96718
337818	Solids, Percent	SOIL		96720
337819	Solids, Percent	SOIL		96718
337820	Solids, Percent	SOIL		96720
337821	Solids, Percent	SOIL		96718
337822	Solids, Percent	SOIL		96720
337823	Solids, Percent	SOIL		96718
337824	Solids, Percent	SOIL		96720
337825	Solids, Percent	SOIL		96718
337826	Solids, Percent	SOIL		96720
337827	Solids, Percent	SOIL		96718
337828	Solids, Percent	SOIL		96720
337829	Solids, Percent	SOIL		96718
337830	Solids, Percent	SOIL		96720
337831	Solids, Percent	SOIL		96718
337832	Solids, Percent	SOIL		96720
337833	Solids, Percent	SOIL		96718
337834	Solids, Percent	SOIL		96720
338807	Solids, Percent	SOIL		96800
338808	Solids, Percent	SOIL		96800
338810	Solids, Percent	SOIL		96800

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337811	Nitrocellulose QSM	SOIL	45577	97018
337812	Nitrocellulose QSM	SOIL	45577	97018

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Project Name: RVAAP
Project #:
SDG #: 99211

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337813	Nitrocellulose QSM	SOIL	45577	97018
337815	Nitrocellulose QSM	SOIL	45577	97018
337818	Nitrocellulose QSM	SOIL	45577	97018
337820	Nitrocellulose QSM	SOIL	45577	97018
337822	Nitrocellulose QSM	SOIL	45577	97018
337824	Nitrocellulose QSM	SOIL	45577	97018
337826	Nitrocellulose QSM	SOIL	45577	97018
337828	Nitrocellulose QSM	SOIL	45577	97018
337830	Nitrocellulose QSM	SOIL	45577	97018
337832	Nitrocellulose QSM	SOIL	45577	97018
337834	Nitrocellulose QSM	SOIL	45577	97018

Metal Parameters

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337811	ICP Metals QSM	SOIL	45510	96872
337812	ICP Metals QSM	SOIL	45510	96872
337813	ICP Metals QSM	SOIL	45510	96872
337815	ICP Metals QSM	SOIL	45510	96872
337818	ICP Metals QSM	SOIL	45510	96872
337820	ICP Metals QSM	SOIL	45510	96872
337822	ICP Metals QSM	SOIL	45510	96872
337824	ICP Metals QSM	SOIL	45510	96872
337826	ICP Metals QSM	SOIL	45510	96872
337828	ICP Metals QSM	SOIL	45510	96872
337830	ICP Metals QSM	SOIL	45510	96872
337832	ICP Metals QSM	SOIL	45510	96872
337834	ICP Metals QSM	SOIL	45510	96872
337811	ICP Metals QSM	SOIL	45510	96872
337812	ICP Metals QSM	SOIL	45510	96872
337813	ICP Metals QSM	SOIL	45510	96872
337815	ICP Metals QSM	SOIL	45510	96872
337818	ICP Metals QSM	SOIL	45510	96872
337820	ICP Metals QSM	SOIL	45510	96872
337822	ICP Metals QSM	SOIL	45510	96872
337824	ICP Metals QSM	SOIL	45510	96872
337826	ICP Metals QSM	SOIL	45510	96872
337828	ICP Metals QSM	SOIL	45510	96872
337830	ICP Metals QSM	SOIL	45510	96872
337832	ICP Metals QSM	SOIL	45510	96872
337834	ICP Metals QSM	SOIL	45510	96872

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Project Name: RVAAP
Project #:
SDG #: 99211

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337811	ICP Metals QSM	SOIL	45510	96872
337812	ICP Metals QSM	SOIL	45510	96872
337813	ICP Metals QSM	SOIL	45510	96872
337815	ICP Metals QSM	SOIL	45510	96872
337818	ICP Metals QSM	SOIL	45510	96872
337820	ICP Metals QSM	SOIL	45510	96872
337822	ICP Metals QSM	SOIL	45510	96872
337824	ICP Metals QSM	SOIL	45510	96872
337826	ICP Metals QSM	SOIL	45510	96872
337828	ICP Metals QSM	SOIL	45510	96872
337830	ICP Metals QSM	SOIL	45510	96872
337832	ICP Metals QSM	SOIL	45510	96872
337834	ICP Metals QSM	SOIL	45510	96872
337811	ICP Metals QSM	SOIL	45510	96872
337812	ICP Metals QSM	SOIL	45510	96872
337813	ICP Metals QSM	SOIL	45510	96872
337815	ICP Metals QSM	SOIL	45510	96872
337818	ICP Metals QSM	SOIL	45510	96872
337818	ICP Metals QSM	SOIL	45510	96872

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337811	Potassium QSM	SOIL	45510	96873
337812	Potassium QSM	SOIL	45510	96873
337813	Potassium QSM	SOIL	45510	96873
337815	Potassium QSM	SOIL	45510	96873
337818	Potassium QSM	SOIL	45510	96873
337820	Potassium QSM	SOIL	45510	96873
337822	Potassium QSM	SOIL	45510	96873
337824	Potassium QSM	SOIL	45510	96873
337826	Potassium QSM	SOIL	45510	96873
337828	Potassium QSM	SOIL	45510	96873
337830	Potassium QSM	SOIL	45510	96873
337832	Potassium QSM	SOIL	45510	96873
337834	Potassium QSM	SOIL	45510	96873

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337811	Sodium QSM	SOIL	45510	96873
337812	Sodium QSM	SOIL	45510	96873
337813	Sodium QSM	SOIL	45510	96873
337815	Sodium QSM	SOIL	45510	96873
337818	Sodium QSM	SOIL	45510	96873
337820	Sodium QSM	SOIL	45510	96873
337822	Sodium QSM	SOIL	45510	96873

CT LABORATORIES
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Project Name: RVAAP
Project #:
SDG #: 99211

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337824	Sodium QSM	SOIL	45510	96873
337826	Sodium QSM	SOIL	45510	96873
337828	Sodium QSM	SOIL	45510	96873
337830	Sodium QSM	SOIL	45510	96873
337832	Sodium QSM	SOIL	45510	96873
337834	Sodium QSM	SOIL	45510	96873

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337811	Mercury QSM	SOIL	45457	96929
337812	Mercury QSM	SOIL	45457	96929
337813	Mercury QSM	SOIL	45457	96929
337815	Mercury QSM	SOIL	45457	96929
337818	Mercury QSM	SOIL	45457	96929
337820	Mercury QSM	SOIL	45457	96929
337822	Mercury QSM	SOIL	45457	96929
337824	Mercury QSM	SOIL	45457	96929
337826	Mercury QSM	SOIL	45457	96929
337828	Mercury QSM	SOIL	45457	96929
337830	Mercury QSM	SOIL	45457	96929
337832	Mercury QSM	SOIL	45457	96929
337834	Mercury QSM	SOIL	45457	96929

Organic Parameters

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337811	SVOC 8270 QSM	SOIL	45489	97038
337812	SVOC 8270 QSM	SOIL	45489	97038
337813	SVOC 8270 QSM	SOIL	45489	97038
337815	SVOC 8270 QSM	SOIL	45489	97038
337818	SVOC 8270 QSM	SOIL	45489	97038
337820	SVOC 8270 QSM	SOIL	45489	97038
337822	SVOC 8270 QSM	SOIL	45489	97038
337824	SVOC 8270 QSM	SOIL	45489	97038
337826	SVOC 8270 QSM	SOIL	45489	97038
337828	SVOC 8270 QSM	SOIL	45489	97038
337830	SVOC 8270 QSM	SOIL	45489	97038
337832	SVOC 8270 QSM	SOIL	45489	97038
337834	SVOC 8270 QSM	SOIL	45489	97038

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337828	PCB	SOIL	45487	96922

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337828	Pesticides	SOIL	45488	96923

CT LABORATORIES
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Project Name: RVAAP
Project #:
SDG #: 99211

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337814	VOC 8260 QSM Low Level	SOIL	45499	96824
337816	VOC 8260 QSM Low Level	SOIL	45499	96824
337819	VOC 8260 QSM Low Level	SOIL	45499	96824
337821	VOC 8260 QSM Low Level	SOIL	45499	96824
337823	VOC 8260 QSM Low Level	SOIL	45499	96824
337825	VOC 8260 QSM Low Level	SOIL	45499	96824
337827	VOC 8260 QSM Low Level	SOIL	45499	96824
337829	VOC 8260 QSM Low Level	SOIL	45499	96824
337831	VOC 8260 QSM Low Level	SOIL	45499	96824
337833	VOC 8260 QSM Low Level	SOIL	45499	96824
337835	VOC 8260 QSM Low Level	LL TRIP BLANK	45499	96824
337836	VOC 8260 QSM Low Level	LL TRIP BLANK	45499	96824
338807	VOC 8260 QSM Low Level	SOIL	45499	96824
338808	VOC 8260 QSM Low Level	SOIL	45499	96824
338809	VOC 8260 QSM Low Level	LL TRIP BLANK	45499	96824
338810	VOC 8260 QSM Low Level	SOIL	45499	96824

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337811	Explosives by 8330	SOIL	45486	97061
337812	Explosives by 8330	SOIL	45486	97061
337813	Explosives by 8330	SOIL	45486	97061
337815	Explosives by 8330	SOIL	45486	97061
337818	Explosives by 8330	SOIL	45486	97061
337820	Explosives by 8330	SOIL	45486	97061
337822	Explosives by 8330	SOIL	45486	97061
337824	Explosives by 8330	SOIL	45486	97061
337826	Explosives by 8330	SOIL	45486	97061
337828	Explosives by 8330	SOIL	45486	97061
337830	Explosives by 8330	SOIL	45486	97061
337832	Explosives by 8330	SOIL	45486	97061
337834	Explosives by 8330	SOIL	45486	97061

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337811	Explosives by 8330	SOIL	45484	97058
337812	Explosives by 8330	SOIL	45484	97058
337813	Explosives by 8330	SOIL	45484	97058
337815	Explosives by 8330	SOIL	45484	97058
337818	Explosives by 8330	SOIL	45484	97058
337820	Explosives by 8330	SOIL	45484	97058
337822	Explosives by 8330	SOIL	45484	97058
337824	Explosives by 8330	SOIL	45484	97058
337826	Explosives by 8330	SOIL	45484	97058
337828	Explosives by 8330	SOIL	45484	97058

CT LABORATORIES
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Project Name: RVAAP
Project #:
SDG #: 99211

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337830	Explosives by 8330	SOIL	45484	97058
337832	Explosives by 8330	SOIL	45484	97058
337834	Explosives by 8330	SOIL	45484	97058

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337811	Homogenization/Multi Incremental Prep	SOIL		96788
337812	Homogenization/Multi Incremental Prep	SOIL		96788
337813	Homogenization/Multi Incremental Prep	SOIL		96788
337815	Homogenization/Multi Incremental Prep	SOIL		96788
337818	Homogenization/Multi Incremental Prep	SOIL		96788
337820	Homogenization/Multi Incremental Prep	SOIL		96788
337822	Homogenization/Multi Incremental Prep	SOIL		96788
337824	Homogenization/Multi Incremental Prep	SOIL		96788
337826	Homogenization/Multi Incremental Prep	SOIL		96788
337828	Homogenization/Multi Incremental Prep	SOIL		96788
337830	Homogenization/Multi Incremental Prep	SOIL		96788
337832	Homogenization/Multi Incremental Prep	SOIL		96788
337834	Homogenization/Multi Incremental Prep	SOIL		96788

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337811	PAH by 8270 SIM	SOIL	45490	96978
337812	PAH by 8270 SIM	SOIL	45490	96978
337813	PAH by 8270 SIM	SOIL	45490	96978
337815	PAH by 8270 SIM	SOIL	45490	96978
337818	PAH by 8270 SIM	SOIL	45490	96978
337820	PAH by 8270 SIM	SOIL	45490	96978
337822	PAH by 8270 SIM	SOIL	45490	96978
337824	PAH by 8270 SIM	SOIL	45490	96978
337826	PAH by 8270 SIM	SOIL	45490	96978
337828	PAH by 8270 SIM	SOIL	45490	96978
337830	PAH by 8270 SIM	SOIL	45490	96978
337832	PAH by 8270 SIM	SOIL	45490	96978
337834	PAH by 8270 SIM	SOIL	45490	96978

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337814	Volatile Organic Compounds Total Xylene Lo	SOIL	45499	96825
337816	Volatile Organic Compounds Total Xylene Lo	SOIL	45499	96825
337819	Volatile Organic Compounds Total Xylene Lo	SOIL	45499	96825
337821	Volatile Organic Compounds Total Xylene Lo	SOIL	45499	96825
337823	Volatile Organic Compounds Total Xylene Lo	SOIL	45499	96825
337825	Volatile Organic Compounds Total Xylene Lo	SOIL	45499	96825
337827	Volatile Organic Compounds Total Xylene Lo	SOIL	45499	96825
337829	Volatile Organic Compounds Total Xylene Lo	SOIL	45499	96825
337831	Volatile Organic Compounds Total Xylene Lo	SOIL	45499	96825

CT LABORATORIES
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Project Name: RVAAP
Project #:
SDG #: 99211

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337833	Volatile Organic Compounds Total Xylene Lo	SOIL	45499	96825
337835	Volatile Organic Compounds Total Xylene Lo	LL TRIP BLANK	45499	96825
337836	Volatile Organic Compounds Total Xylene Lo	LL TRIP BLANK	45499	96825
338807	Volatile Organic Compounds Total Xylene Lo	SOIL	45499	96825
338808	Volatile Organic Compounds Total Xylene Lo	SOIL	45499	96825
338809	Volatile Organic Compounds Total Xylene Lo	LL TRIP BLANK	45499	96825
338810	Volatile Organic Compounds Total Xylene Lo	SOIL	45499	96825

CTI LAB#:	Parameter	Matrix	Prep Batch #	Analytical Run #
337814	Volatile Organic Compounds Total 1,2-DCE	SOIL	45499	96826
337816	Volatile Organic Compounds Total 1,2-DCE	SOIL	45499	96826
337819	Volatile Organic Compounds Total 1,2-DCE	SOIL	45499	96826
337821	Volatile Organic Compounds Total 1,2-DCE	SOIL	45499	96826
337823	Volatile Organic Compounds Total 1,2-DCE	SOIL	45499	96826
337825	Volatile Organic Compounds Total 1,2-DCE	SOIL	45499	96826
337827	Volatile Organic Compounds Total 1,2-DCE	SOIL	45499	96826
337829	Volatile Organic Compounds Total 1,2-DCE	SOIL	45499	96826
337831	Volatile Organic Compounds Total 1,2-DCE	SOIL	45499	96826
337833	Volatile Organic Compounds Total 1,2-DCE	SOIL	45499	96826
337835	Volatile Organic Compounds Total 1,2-DCE	LL TRIP BLANK	45499	96826
337836	Volatile Organic Compounds Total 1,2-DCE	LL TRIP BLANK	45499	96826
338807	Volatile Organic Compounds Total 1,2-DCE	SOIL	45499	96826
338808	Volatile Organic Compounds Total 1,2-DCE	SOIL	45499	96826
338809	Volatile Organic Compounds Total 1,2-DCE	LL TRIP BLANK	45499	96826
338810	Volatile Organic Compounds Total 1,2-DCE	SOIL	45499	96826

VOLATILE ORGANIC ANALYSIS
QUALITY CONTROL SUMMARY
DOCUMENTS

CT LABORATORIES
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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	7.07 (g/mL)	CTL Sample ID:	338807
% Solids:	85.1	Date Received:	08/15/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 17:17	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	0.83	U	0.25	0.83	1.7	1.7
79-34-5	1,1,2,2-Tetrachloroethane	0.83	U	0.42	0.83	1.7	1.7
79-00-5	1,1,2-Trichloroethane	0.83	U	0.33	0.83	1.7	1.7
75-34-3	1,1-Dichloroethane	0.83	U	0.33	0.83	1.7	1.7
75-35-4	1,1-Dichloroethene	0.83	U	0.33	0.83	1.7	1.7
106-93-4	1,2-Dibromoethane	0.83	U	0.33	0.83	1.7	1.7
107-06-2	1,2-Dichloroethane	0.83	U	0.42	0.83	1.7	1.7
78-87-5	1,2-Dichloropropane	0.83	U	0.33	0.83	1.7	1.7
78-93-3	2-Butanone	8.3	U	8.3	8.3	17	17
591-78-6	2-Hexanone	17	U	9.1	17	33	33
108-10-1	4-Methyl-2-pentanone	8.3	U	8.3	8.3	17	17
67-64-1	Acetone	11	J	8.3	8.3	17	17
71-43-2	Benzene	0.83	U	0.25	0.83	1.7	1.7
74-97-5	Bromochloromethane	0.83	U	0.33	0.83	1.7	1.7
75-27-4	Bromodichloromethane	0.83	U	0.33	0.83	1.7	1.7
75-25-2	Bromoform	0.83	U	0.33	0.83	1.7	1.7
74-83-9	Bromomethane	0.83	U	0.58	0.83	1.7	1.7
75-15-0	Carbon disulfide	1.7	U	0.75	1.7	3.3	3.3
56-23-5	Carbon tetrachloride	0.83	U	0.25	0.83	1.7	1.7
108-90-7	Chlorobenzene	0.83	U	0.33	0.83	1.7	1.7
75-00-3	Chloroethane	0.83	U	0.42	0.83	1.7	1.7
67-66-3	Chloroform	0.83	U	0.33	0.83	1.7	1.7
74-87-3	Chloromethane	0.83	U	0.33	0.83	1.7	1.7
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.33	0.83	1.7	1.7

CT LABORATORIES
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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	7.07 (g/mL)	CTL Sample ID:	338807
% Solids:	85.1	Date Received:	08/15/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 17:17	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	0.83	U	0.25	0.83	1.7	1.7
124-48-1	Dibromochloromethane	0.83	U	0.33	0.83	1.7	1.7
100-41-4	Ethylbenzene	0.83	U	0.33	0.83	1.7	1.7
1330-20-7	m & p-Xylene	1.7	U	0.58	1.7	3.3	3.3
1634-04-4	Methyl tert-butyl ether	0.83	U	0.33	0.83	1.7	1.7
75-09-2	Methylene chloride	6.0	J Z,B,Q	1.4	1.7	8.3	8.3
95-47-6	o-Xylene	0.83	U	0.33	0.83	1.7	1.7
100-42-5	Styrene	0.83	U	0.25	0.83	1.7	1.7
127-18-4	Tetrachloroethene	0.83	U	0.33	0.83	1.7	1.7
108-88-3	Toluene	0.83	U	0.33	0.83	1.7	1.7
1330-20-7	Total Xylene	1.7	U	0.58	1.7	3.3	3.3
156-60-5	trans-1,2-Dichloroethene	0.83	U	0.33	0.83	1.7	1.7
10061-02-6	trans-1,3-Dichloropropene	0.83	U	0.33	0.83	1.7	1.7
79-01-6	Trichloroethene	0.83	U	0.25	0.83	1.7	1.7
75-01-4	Vinyl chloride	0.83	U	0.42	0.83	1.7	1.7

CT LABORATORIES
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1A

VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.21 (g/mL)	CTL Sample ID:	338808
% Solids:	85.2	Date Received:	08/15/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 17:46	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	0.95	U	0.28	0.95	1.9	1.9
79-34-5	1,1,2,2-Tetrachloroethane	0.95	U	0.47	0.95	1.9	1.9
79-00-5	1,1,2-Trichloroethane	0.95	U	0.38	0.95	1.9	1.9
75-34-3	1,1-Dichloroethane	0.95	U	0.38	0.95	1.9	1.9
75-35-4	1,1-Dichloroethene	0.95	U	0.38	0.95	1.9	1.9
106-93-4	1,2-Dibromoethane	0.95	U	0.38	0.95	1.9	1.9
107-06-2	1,2-Dichloroethane	0.95	U	0.47	0.95	1.9	1.9
78-87-5	1,2-Dichloropropane	0.95	U	0.38	0.95	1.9	1.9
78-93-3	2-Butanone	9.5	U	9.5	9.5	19	19
591-78-6	2-Hexanone	19	U	10	19	38	38
108-10-1	4-Methyl-2-pentanone	9.5	U	9.5	9.5	19	19
67-64-1	Acetone	9.5	U	9.5	9.5	19	19
71-43-2	Benzene	0.95	U	0.28	0.95	1.9	1.9
74-97-5	Bromochloromethane	0.95	U	0.38	0.95	1.9	1.9
75-27-4	Bromodichloromethane	0.95	U	0.38	0.95	1.9	1.9
75-25-2	Bromoform	0.95	U	0.38	0.95	1.9	1.9
74-83-9	Bromomethane	0.95	U	0.66	0.95	1.9	1.9
75-15-0	Carbon disulfide	1.9	U	0.85	1.9	3.8	3.8
56-23-5	Carbon tetrachloride	0.95	U	0.28	0.95	1.9	1.9
108-90-7	Chlorobenzene	0.95	U	0.38	0.95	1.9	1.9
75-00-3	Chloroethane	0.95	U	0.47	0.95	1.9	1.9
67-66-3	Chloroform	0.95	U	0.38	0.95	1.9	1.9
74-87-3	Chloromethane	0.95	U	0.38	0.95	1.9	1.9
156-59-2	cis-1,2-Dichloroethene	0.95	U	0.38	0.95	1.9	1.9

CT LABORATORIES
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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.21 (g/mL)	CTL Sample ID:	338808
% Solids:	85.2	Date Received:	08/15/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 17:46	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	0.95	U	0.28	0.95	1.9	1.9
124-48-1	Dibromochloromethane	0.95	U	0.38	0.95	1.9	1.9
100-41-4	Ethylbenzene	0.95	U	0.38	0.95	1.9	1.9
1330-20-7	m & p-Xylene	1.9	U	0.66	1.9	3.8	3.8
1634-04-4	Methyl tert-butyl ether	0.95	U	0.38	0.95	1.9	1.9
75-09-2	Methylene chloride	5.5	J Z,B,Q	1.6	1.9	9.5	9.5
95-47-6	o-Xylene	0.95	U	0.38	0.95	1.9	1.9
100-42-5	Styrene	0.95	U	0.28	0.95	1.9	1.9
127-18-4	Tetrachloroethene	0.95	U	0.38	0.95	1.9	1.9
108-88-3	Toluene	0.95	U	0.38	0.95	1.9	1.9
1330-20-7	Total Xylene	1.9	U	0.66	1.9	3.8	3.8
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.38	0.95	1.9	1.9
10061-02-6	trans-1,3-Dichloropropene	0.95	U	0.38	0.95	1.9	1.9
79-01-6	Trichloroethene	0.95	U	0.28	0.95	1.9	1.9
75-01-4	Vinyl chloride	0.95	U	0.47	0.95	1.9	1.9

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	5.93 (g/mL)	CTL Sample ID:	337814
% Solids:	84.3	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 12:26	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	0.30	1.0	2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.50	1.0	2.0	2.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.40	1.0	2.0	2.0
75-34-3	1,1-Dichloroethane	1.0	U	0.40	1.0	2.0	2.0
75-35-4	1,1-Dichloroethene	1.0	U	0.40	1.0	2.0	2.0
106-93-4	1,2-Dibromoethane	1.0	U	0.40	1.0	2.0	2.0
107-06-2	1,2-Dichloroethane	1.0	U	0.50	1.0	2.0	2.0
78-87-5	1,2-Dichloropropane	1.0	U	0.40	1.0	2.0	2.0
78-93-3	2-Butanone	10	U	10	10	20	20
591-78-6	2-Hexanone	20	U	11	20	40	40
108-10-1	4-Methyl-2-pentanone	10	U	10	10	20	20
67-64-1	Acetone	10	U	10	10	20	20
71-43-2	Benzene	1.0	U	0.30	1.0	2.0	2.0
74-97-5	Bromochloromethane	1.0	U	0.40	1.0	2.0	2.0
75-27-4	Bromodichloromethane	1.0	U	0.40	1.0	2.0	2.0
75-25-2	Bromoform	1.0	U	0.40	1.0	2.0	2.0
74-83-9	Bromomethane	1.0	U	0.70	1.0	2.0	2.0
75-15-0	Carbon disulfide	2.0	U	0.90	2.0	4.0	4.0
56-23-5	Carbon tetrachloride	1.0	U	0.30	1.0	2.0	2.0
108-90-7	Chlorobenzene	1.0	U	0.40	1.0	2.0	2.0
75-00-3	Chloroethane	1.0	U	0.50	1.0	2.0	2.0
67-66-3	Chloroform	1.0	U	0.40	1.0	2.0	2.0
74-87-3	Chloromethane	1.0	U	0.40	1.0	2.0	2.0
156-59-2	cis-1,2-Dichloroethene	1.0	U	0.40	1.0	2.0	2.0

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	5.93 (g/mL)	CTL Sample ID:	337814
% Solids:	84.3	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 12:26	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.30	1.0	2.0	2.0
124-48-1	Dibromochloromethane	1.0	U	0.40	1.0	2.0	2.0
100-41-4	Ethylbenzene	1.0	U	0.40	1.0	2.0	2.0
1330-20-7	m & p-Xylene	2.0	U	0.70	2.0	4.0	4.0
75-09-2	Methylene chloride	7.0	J Z,B,Q	1.7	2.0	10	10
95-47-6	o-Xylene	1.0	U	0.40	1.0	2.0	2.0
100-42-5	Styrene	1.0	U	0.30	1.0	2.0	2.0
127-18-4	Tetrachloroethene	1.0	U	0.40	1.0	2.0	2.0
108-88-3	Toluene	1.0	U	0.40	1.0	2.0	2.0
1330-20-7	Total Xylene	2.0	U	0.70	2.0	4.0	4.0
156-60-5	trans-1,2-Dichloroethene	1.0	U	0.40	1.0	2.0	2.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.40	1.0	2.0	2.0
79-01-6	Trichloroethene	1.0	U	0.30	1.0	2.0	2.0
75-01-4	Vinyl chloride	1.0	U	0.50	1.0	2.0	2.0

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.13 (g/mL)	CTL Sample ID:	337816
% Solids:	81.4	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 12:55	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	1.0	U M	0.30	1.0	2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U M	0.50	1.0	2.0	2.0
79-00-5	1,1,2-Trichloroethane	1.0	U M	0.40	1.0	2.0	2.0
75-34-3	1,1-Dichloroethane	1.0	U M	0.40	1.0	2.0	2.0
75-35-4	1,1-Dichloroethene	1.0	U	0.40	1.0	2.0	2.0
106-93-4	1,2-Dibromoethane	1.0	U M	0.40	1.0	2.0	2.0
107-06-2	1,2-Dichloroethane	1.0	U M	0.50	1.0	2.0	2.0
78-87-5	1,2-Dichloropropane	1.0	U M	0.40	1.0	2.0	2.0
78-93-3	2-Butanone	10	U	10	10	20	20
591-78-6	2-Hexanone	20	U M	11	20	40	40
108-10-1	4-Methyl-2-pentanone	10	U M	10	10	20	20
67-64-1	Acetone	10	U	10	10	20	20
71-43-2	Benzene	1.0	U M	0.30	1.0	2.0	2.0
74-97-5	Bromochloromethane	1.0	U M	0.40	1.0	2.0	2.0
75-27-4	Bromodichloromethane	1.0	U M	0.40	1.0	2.0	2.0
75-25-2	Bromoform	1.0	U M	0.40	1.0	2.0	2.0
74-83-9	Bromomethane	1.0	U	0.70	1.0	2.0	2.0
75-15-0	Carbon disulfide	2.0	U	0.90	2.0	4.0	4.0
56-23-5	Carbon tetrachloride	1.0	U	0.30	1.0	2.0	2.0
108-90-7	Chlorobenzene	1.0	U M	0.40	1.0	2.0	2.0
75-00-3	Chloroethane	1.0	U	0.50	1.0	2.0	2.0
67-66-3	Chloroform	1.0	U M	0.40	1.0	2.0	2.0
74-87-3	Chloromethane	1.0	U	0.40	1.0	2.0	2.0
156-59-2	cis-1,2-Dichloroethene	1.0	U M	0.40	1.0	2.0	2.0

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.13 (g/mL)	CTL Sample ID:	337816
% Solids:	81.4	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 12:55	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers		DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	1.0	U	M	0.30	1.0	2.0	2.0
124-48-1	Dibromochloromethane	1.0	U	M	0.40	1.0	2.0	2.0
100-41-4	Ethylbenzene	1.0	U	M	0.40	1.0	2.0	2.0
1330-20-7	m & p-Xylene	2.0	U	M	0.70	2.0	4.0	4.0
75-09-2	Methylene chloride	6.5	J	Z,B,Q,M	1.7	2.0	10	10
95-47-6	o-Xylene	1.0	U	M	0.40	1.0	2.0	2.0
100-42-5	Styrene	1.0	U	M	0.30	1.0	2.0	2.0
127-18-4	Tetrachloroethene	1.0	U		0.40	1.0	2.0	2.0
108-88-3	Toluene	1.0	U	M	0.40	1.0	2.0	2.0
1330-20-7	Total Xylene	2.0	U		0.70	2.0	4.0	4.0
156-60-5	trans-1,2-Dichloroethene	1.0	U		0.40	1.0	2.0	2.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	M	0.40	1.0	2.0	2.0
79-01-6	Trichloroethene	1.0	U	M	0.30	1.0	2.0	2.0
75-01-4	Vinyl chloride	1.0	U		0.50	1.0	2.0	2.0

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.76 (g/mL)	CTL Sample ID:	337819
% Solids:	82.0	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 13:24	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	0.90	U	0.27	0.90	1.8	1.8
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.45	0.90	1.8	1.8
79-00-5	1,1,2-Trichloroethane	0.90	U	0.36	0.90	1.8	1.8
75-34-3	1,1-Dichloroethane	0.90	U	0.36	0.90	1.8	1.8
75-35-4	1,1-Dichloroethene	0.90	U	0.36	0.90	1.8	1.8
106-93-4	1,2-Dibromoethane	0.90	U	0.36	0.90	1.8	1.8
107-06-2	1,2-Dichloroethane	0.90	U	0.45	0.90	1.8	1.8
78-87-5	1,2-Dichloropropane	0.90	U	0.36	0.90	1.8	1.8
78-93-3	2-Butanone	9.0	U	9.0	9.0	18	18
591-78-6	2-Hexanone	18	U	9.9	18	36	36
108-10-1	4-Methyl-2-pentanone	9.0	U	9.0	9.0	18	18
67-64-1	Acetone	9.0	U	9.0	9.0	18	18
71-43-2	Benzene	0.90	U	0.27	0.90	1.8	1.8
74-97-5	Bromochloromethane	0.90	U	0.36	0.90	1.8	1.8
75-27-4	Bromodichloromethane	0.90	U	0.36	0.90	1.8	1.8
75-25-2	Bromoform	0.90	U	0.36	0.90	1.8	1.8
74-83-9	Bromomethane	0.90	U	0.63	0.90	1.8	1.8
75-15-0	Carbon disulfide	1.8	U	0.81	1.8	3.6	3.6
56-23-5	Carbon tetrachloride	0.90	U	0.27	0.90	1.8	1.8
108-90-7	Chlorobenzene	0.90	U	0.36	0.90	1.8	1.8
75-00-3	Chloroethane	0.90	U	0.45	0.90	1.8	1.8
67-66-3	Chloroform	0.90	U	0.36	0.90	1.8	1.8
74-87-3	Chloromethane	0.90	U	0.36	0.90	1.8	1.8
156-59-2	cis-1,2-Dichloroethene	0.90	U	0.36	0.90	1.8	1.8

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.76 (g/mL)	CTL Sample ID:	337819
% Solids:	82.0	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 13:24	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	0.90	U	0.27	0.90	1.8	1.8
124-48-1	Dibromochloromethane	0.90	U	0.36	0.90	1.8	1.8
100-41-4	Ethylbenzene	0.90	U	0.36	0.90	1.8	1.8
1330-20-7	m & p-Xylene	1.8	U	0.63	1.8	3.6	3.6
75-09-2	Methylene chloride	6.0	J Z,B,Q	1.5	1.8	9.0	9.0
95-47-6	o-Xylene	0.90	U	0.36	0.90	1.8	1.8
100-42-5	Styrene	0.90	U	0.27	0.90	1.8	1.8
127-18-4	Tetrachloroethene	0.90	U	0.36	0.90	1.8	1.8
108-88-3	Toluene	0.90	U	0.36	0.90	1.8	1.8
1330-20-7	Total Xylene	1.8	U	0.63	1.8	3.6	3.6
156-60-5	trans-1,2-Dichloroethene	0.90	U	0.36	0.90	1.8	1.8
10061-02-6	trans-1,3-Dichloropropene	0.90	U	0.36	0.90	1.8	1.8
79-01-6	Trichloroethene	0.90	U	0.27	0.90	1.8	1.8
75-01-4	Vinyl chloride	0.90	U	0.45	0.90	1.8	1.8

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.61 (g/mL)	CTL Sample ID:	337821
% Solids:	83.1	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 13:53	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	0.91	U	0.27	0.91	1.8	1.8
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U	0.46	0.91	1.8	1.8
79-00-5	1,1,2-Trichloroethane	0.91	U	0.36	0.91	1.8	1.8
75-34-3	1,1-Dichloroethane	0.91	U	0.36	0.91	1.8	1.8
75-35-4	1,1-Dichloroethene	0.91	U	0.36	0.91	1.8	1.8
106-93-4	1,2-Dibromoethane	0.91	U	0.36	0.91	1.8	1.8
107-06-2	1,2-Dichloroethane	0.91	U	0.46	0.91	1.8	1.8
78-87-5	1,2-Dichloropropane	0.91	U	0.36	0.91	1.8	1.8
78-93-3	2-Butanone	9.1	U	9.1	9.1	18	18
591-78-6	2-Hexanone	18	U	10	18	36	36
108-10-1	4-Methyl-2-pentanone	9.1	U	9.1	9.1	18	18
67-64-1	Acetone	9.1	U	9.1	9.1	18	18
71-43-2	Benzene	0.91	U	0.27	0.91	1.8	1.8
74-97-5	Bromochloromethane	0.91	U	0.36	0.91	1.8	1.8
75-27-4	Bromodichloromethane	0.91	U	0.36	0.91	1.8	1.8
75-25-2	Bromoform	0.91	U	0.36	0.91	1.8	1.8
74-83-9	Bromomethane	0.91	U	0.64	0.91	1.8	1.8
75-15-0	Carbon disulfide	1.8	U	0.82	1.8	3.6	3.6
56-23-5	Carbon tetrachloride	0.91	U	0.27	0.91	1.8	1.8
108-90-7	Chlorobenzene	0.91	U	0.36	0.91	1.8	1.8
75-00-3	Chloroethane	0.91	U	0.46	0.91	1.8	1.8
67-66-3	Chloroform	0.91	U	0.36	0.91	1.8	1.8
74-87-3	Chloromethane	0.91	U	0.36	0.91	1.8	1.8
156-59-2	cis-1,2-Dichloroethene	0.91	U	0.36	0.91	1.8	1.8

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.61 (g/mL)	CTL Sample ID:	337821
% Solids:	83.1	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 13:53	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	0.91	U	0.27	0.91	1.8	1.8
124-48-1	Dibromochloromethane	0.91	U	0.36	0.91	1.8	1.8
100-41-4	Ethylbenzene	0.91	U	0.36	0.91	1.8	1.8
1330-20-7	m & p-Xylene	1.8	U	0.64	1.8	3.6	3.6
75-09-2	Methylene chloride	7.0	J Z,B,Q	1.5	1.8	9.1	9.1
95-47-6	o-Xylene	0.91	U	0.36	0.91	1.8	1.8
100-42-5	Styrene	0.91	U	0.27	0.91	1.8	1.8
127-18-4	Tetrachloroethene	0.91	U	0.36	0.91	1.8	1.8
108-88-3	Toluene	0.91	U	0.36	0.91	1.8	1.8
1330-20-7	Total Xylene	1.8	U	0.64	1.8	3.6	3.6
156-60-5	trans-1,2-Dichloroethene	0.91	U	0.36	0.91	1.8	1.8
10061-02-6	trans-1,3-Dichloropropene	0.91	U	0.36	0.91	1.8	1.8
79-01-6	Trichloroethene	0.91	U	0.27	0.91	1.8	1.8
75-01-4	Vinyl chloride	0.91	U	0.46	0.91	1.8	1.8

CT LABORATORIES
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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.30 (g/mL)	CTL Sample ID:	337823
% Solids:	84.2	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 14:22	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	0.94	U	0.28	0.94	1.9	1.9
79-34-5	1,1,2,2-Tetrachloroethane	0.94	U	0.47	0.94	1.9	1.9
79-00-5	1,1,2-Trichloroethane	0.94	U	0.38	0.94	1.9	1.9
75-34-3	1,1-Dichloroethane	0.94	U	0.38	0.94	1.9	1.9
75-35-4	1,1-Dichloroethene	0.94	U	0.38	0.94	1.9	1.9
106-93-4	1,2-Dibromoethane	0.94	U	0.38	0.94	1.9	1.9
107-06-2	1,2-Dichloroethane	0.94	U	0.47	0.94	1.9	1.9
78-87-5	1,2-Dichloropropane	0.94	U	0.38	0.94	1.9	1.9
78-93-3	2-Butanone	9.4	U	9.4	9.4	19	19
591-78-6	2-Hexanone	19	U	10	19	38	38
108-10-1	4-Methyl-2-pentanone	9.4	U	9.4	9.4	19	19
67-64-1	Acetone	9.4	U	9.4	9.4	19	19
71-43-2	Benzene	0.94	U	0.28	0.94	1.9	1.9
74-97-5	Bromochloromethane	0.94	U	0.38	0.94	1.9	1.9
75-27-4	Bromodichloromethane	0.94	U	0.38	0.94	1.9	1.9
75-25-2	Bromoform	0.94	U	0.38	0.94	1.9	1.9
74-83-9	Bromomethane	0.94	U	0.66	0.94	1.9	1.9
75-15-0	Carbon disulfide	1.9	U	0.85	1.9	3.8	3.8
56-23-5	Carbon tetrachloride	0.94	U	0.28	0.94	1.9	1.9
108-90-7	Chlorobenzene	0.94	U	0.38	0.94	1.9	1.9
75-00-3	Chloroethane	0.94	U	0.47	0.94	1.9	1.9
67-66-3	Chloroform	0.94	U	0.38	0.94	1.9	1.9
74-87-3	Chloromethane	0.94	U	0.38	0.94	1.9	1.9
156-59-2	cis-1,2-Dichloroethene	0.94	U	0.38	0.94	1.9	1.9

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.30 (g/mL)	CTL Sample ID:	337823
% Solids:	84.2	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 14:22	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	0.94	U	0.28	0.94	1.9	1.9
124-48-1	Dibromochloromethane	0.94	U	0.38	0.94	1.9	1.9
100-41-4	Ethylbenzene	0.94	U	0.38	0.94	1.9	1.9
1330-20-7	m & p-Xylene	1.9	U	0.66	1.9	3.8	3.8
75-09-2	Methylene chloride	6.7	J Z,B,Q	1.6	1.9	9.4	9.4
95-47-6	o-Xylene	0.94	U	0.38	0.94	1.9	1.9
100-42-5	Styrene	0.94	U	0.28	0.94	1.9	1.9
127-18-4	Tetrachloroethene	0.94	U	0.38	0.94	1.9	1.9
108-88-3	Toluene	0.94	U	0.38	0.94	1.9	1.9
1330-20-7	Total Xylene	1.9	U	0.66	1.9	3.8	3.8
156-60-5	trans-1,2-Dichloroethene	0.94	U	0.38	0.94	1.9	1.9
10061-02-6	trans-1,3-Dichloropropene	0.94	U	0.38	0.94	1.9	1.9
79-01-6	Trichloroethene	0.94	U	0.28	0.94	1.9	1.9
75-01-4	Vinyl chloride	0.94	U	0.47	0.94	1.9	1.9

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.02 (g/mL)	CTL Sample ID:	337825
% Solids:	85.3	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 14:51	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	0.97	U	0.29	0.97	1.9	1.9
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.49	0.97	1.9	1.9
79-00-5	1,1,2-Trichloroethane	0.97	U	0.39	0.97	1.9	1.9
75-34-3	1,1-Dichloroethane	0.97	U	0.39	0.97	1.9	1.9
75-35-4	1,1-Dichloroethene	0.97	U	0.39	0.97	1.9	1.9
106-93-4	1,2-Dibromoethane	0.97	U	0.39	0.97	1.9	1.9
107-06-2	1,2-Dichloroethane	0.97	U	0.49	0.97	1.9	1.9
78-87-5	1,2-Dichloropropane	0.97	U	0.39	0.97	1.9	1.9
78-93-3	2-Butanone	9.7	U	9.7	9.7	19	19
591-78-6	2-Hexanone	19	U	11	19	39	39
108-10-1	4-Methyl-2-pentanone	9.7	U	9.7	9.7	19	19
67-64-1	Acetone	9.7	U	9.7	9.7	19	19
71-43-2	Benzene	0.97	U	0.29	0.97	1.9	1.9
74-97-5	Bromochloromethane	0.97	U	0.39	0.97	1.9	1.9
75-27-4	Bromodichloromethane	0.97	U	0.39	0.97	1.9	1.9
75-25-2	Bromoform	0.97	U	0.39	0.97	1.9	1.9
74-83-9	Bromomethane	0.97	U	0.68	0.97	1.9	1.9
75-15-0	Carbon disulfide	1.9	U	0.88	1.9	3.9	3.9
56-23-5	Carbon tetrachloride	0.97	U	0.29	0.97	1.9	1.9
108-90-7	Chlorobenzene	0.97	U	0.39	0.97	1.9	1.9
75-00-3	Chloroethane	0.97	U	0.49	0.97	1.9	1.9
67-66-3	Chloroform	0.97	U	0.39	0.97	1.9	1.9
74-87-3	Chloromethane	0.97	U	0.39	0.97	1.9	1.9
156-59-2	cis-1,2-Dichloroethene	0.97	U	0.39	0.97	1.9	1.9

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.02 (g/mL)	CTL Sample ID:	337825
% Solids:	85.3	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 14:51	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	0.97	U	0.29	0.97	1.9	1.9
124-48-1	Dibromochloromethane	0.97	U	0.39	0.97	1.9	1.9
100-41-4	Ethylbenzene	0.97	U	0.39	0.97	1.9	1.9
1330-20-7	m & p-Xylene	1.9	U	0.68	1.9	3.9	3.9
75-09-2	Methylene chloride	6.9	J Z,B,Q	1.7	1.9	9.7	9.7
95-47-6	o-Xylene	0.97	U	0.39	0.97	1.9	1.9
100-42-5	Styrene	0.97	U	0.29	0.97	1.9	1.9
127-18-4	Tetrachloroethene	0.97	U	0.39	0.97	1.9	1.9
108-88-3	Toluene	0.97	U	0.39	0.97	1.9	1.9
1330-20-7	Total Xylene	1.9	U	0.68	1.9	3.9	3.9
156-60-5	trans-1,2-Dichloroethene	0.97	U	0.39	0.97	1.9	1.9
10061-02-6	trans-1,3-Dichloropropene	0.97	U	0.39	0.97	1.9	1.9
79-01-6	Trichloroethene	0.97	U	0.29	0.97	1.9	1.9
75-01-4	Vinyl chloride	0.97	U	0.49	0.97	1.9	1.9

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.32 (g/mL)	CTL Sample ID:	337827
% Solids:	84.7	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 15:21	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	0.93	U	0.28	0.93	1.9	1.9
79-34-5	1,1,2,2-Tetrachloroethane	0.93	U	0.47	0.93	1.9	1.9
79-00-5	1,1,2-Trichloroethane	0.93	U	0.37	0.93	1.9	1.9
75-34-3	1,1-Dichloroethane	0.93	U	0.37	0.93	1.9	1.9
75-35-4	1,1-Dichloroethene	0.93	U	0.37	0.93	1.9	1.9
106-93-4	1,2-Dibromoethane	0.93	U	0.37	0.93	1.9	1.9
107-06-2	1,2-Dichloroethane	0.93	U	0.47	0.93	1.9	1.9
78-87-5	1,2-Dichloropropane	0.93	U	0.37	0.93	1.9	1.9
78-93-3	2-Butanone	9.3	U	9.3	9.3	19	19
591-78-6	2-Hexanone	19	U	10	19	37	37
108-10-1	4-Methyl-2-pentanone	9.3	U	9.3	9.3	19	19
67-64-1	Acetone	9.3	U	9.3	9.3	19	19
71-43-2	Benzene	0.93	U	0.28	0.93	1.9	1.9
74-97-5	Bromochloromethane	0.93	U	0.37	0.93	1.9	1.9
75-27-4	Bromodichloromethane	0.93	U	0.37	0.93	1.9	1.9
75-25-2	Bromoform	0.93	U	0.37	0.93	1.9	1.9
74-83-9	Bromomethane	0.93	U	0.65	0.93	1.9	1.9
75-15-0	Carbon disulfide	1.9	U	0.84	1.9	3.7	3.7
56-23-5	Carbon tetrachloride	0.93	U	0.28	0.93	1.9	1.9
108-90-7	Chlorobenzene	0.93	U	0.37	0.93	1.9	1.9
75-00-3	Chloroethane	0.93	U	0.47	0.93	1.9	1.9
67-66-3	Chloroform	0.93	U	0.37	0.93	1.9	1.9
74-87-3	Chloromethane	0.93	U	0.37	0.93	1.9	1.9
156-59-2	cis-1,2-Dichloroethene	0.93	U	0.37	0.93	1.9	1.9

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.32 (g/mL)	CTL Sample ID:	337827
% Solids:	84.7	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 15:21	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	0.93	U	0.28	0.93	1.9	1.9
124-48-1	Dibromochloromethane	0.93	U	0.37	0.93	1.9	1.9
100-41-4	Ethylbenzene	0.93	U	0.37	0.93	1.9	1.9
1330-20-7	m & p-Xylene	1.9	U	0.65	1.9	3.7	3.7
75-09-2	Methylene chloride	6.5	J Z,B,Q	1.6	1.9	9.3	9.3
95-47-6	o-Xylene	0.93	U	0.37	0.93	1.9	1.9
100-42-5	Styrene	0.93	U	0.28	0.93	1.9	1.9
127-18-4	Tetrachloroethene	0.93	U	0.37	0.93	1.9	1.9
108-88-3	Toluene	0.93	U	0.37	0.93	1.9	1.9
1330-20-7	Total Xylene	1.9	U	0.65	1.9	3.7	3.7
156-60-5	trans-1,2-Dichloroethene	0.93	U	0.37	0.93	1.9	1.9
10061-02-6	trans-1,3-Dichloropropene	0.93	U	0.37	0.93	1.9	1.9
79-01-6	Trichloroethene	0.93	U	0.28	0.93	1.9	1.9
75-01-4	Vinyl chloride	0.93	U	0.47	0.93	1.9	1.9

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	5.79 (g/mL)	CTL Sample ID:	337829
% Solids:	84.7	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 15:50	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	0.31	1.0	2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.51	1.0	2.0	2.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.41	1.0	2.0	2.0
75-34-3	1,1-Dichloroethane	1.0	U	0.41	1.0	2.0	2.0
75-35-4	1,1-Dichloroethene	1.0	U	0.41	1.0	2.0	2.0
106-93-4	1,2-Dibromoethane	1.0	U	0.41	1.0	2.0	2.0
107-06-2	1,2-Dichloroethane	1.0	U	0.51	1.0	2.0	2.0
78-87-5	1,2-Dichloropropane	1.0	U	0.41	1.0	2.0	2.0
78-93-3	2-Butanone	10	U	10	10	20	20
591-78-6	2-Hexanone	20	U	11	20	41	41
108-10-1	4-Methyl-2-pentanone	10	U	10	10	20	20
67-64-1	Acetone	10	U	10	10	20	20
71-43-2	Benzene	1.0	U	0.31	1.0	2.0	2.0
74-97-5	Bromochloromethane	1.0	U	0.41	1.0	2.0	2.0
75-27-4	Bromodichloromethane	1.0	U	0.41	1.0	2.0	2.0
75-25-2	Bromoform	1.0	U	0.41	1.0	2.0	2.0
74-83-9	Bromomethane	1.0	U	0.71	1.0	2.0	2.0
75-15-0	Carbon disulfide	2.0	U	0.92	2.0	4.1	4.1
56-23-5	Carbon tetrachloride	1.0	U	0.31	1.0	2.0	2.0
108-90-7	Chlorobenzene	1.0	U	0.41	1.0	2.0	2.0
75-00-3	Chloroethane	1.0	U	0.51	1.0	2.0	2.0
67-66-3	Chloroform	1.0	U	0.41	1.0	2.0	2.0
74-87-3	Chloromethane	1.0	U	0.41	1.0	2.0	2.0
156-59-2	cis-1,2-Dichloroethene	1.0	U	0.41	1.0	2.0	2.0

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	5.79 (g/mL)	CTL Sample ID:	337829
% Solids:	84.7	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 15:50	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.31	1.0	2.0	2.0
124-48-1	Dibromochloromethane	1.0	U	0.41	1.0	2.0	2.0
100-41-4	Ethylbenzene	1.0	U	0.41	1.0	2.0	2.0
1330-20-7	m & p-Xylene	2.0	U	0.71	2.0	4.1	4.1
75-09-2	Methylene chloride	7.3	J Z,B,Q	1.7	2.0	10	10
95-47-6	o-Xylene	1.0	U	0.41	1.0	2.0	2.0
100-42-5	Styrene	1.0	U	0.31	1.0	2.0	2.0
127-18-4	Tetrachloroethene	1.0	U	0.41	1.0	2.0	2.0
108-88-3	Toluene	1.0	U	0.41	1.0	2.0	2.0
1330-20-7	Total Xylene	2.0	U	0.71	2.0	4.1	4.1
156-60-5	trans-1,2-Dichloroethene	1.0	U	0.41	1.0	2.0	2.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.41	1.0	2.0	2.0
79-01-6	Trichloroethene	1.0	U	0.31	1.0	2.0	2.0
75-01-4	Vinyl chloride	1.0	U	0.51	1.0	2.0	2.0

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.57 (g/mL)	CTL Sample ID:	337831
% Solids:	84.9	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 16:19	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	0.90	U	0.27	0.90	1.8	1.8
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.45	0.90	1.8	1.8
79-00-5	1,1,2-Trichloroethane	0.90	U	0.36	0.90	1.8	1.8
75-34-3	1,1-Dichloroethane	0.90	U	0.36	0.90	1.8	1.8
75-35-4	1,1-Dichloroethene	0.90	U	0.36	0.90	1.8	1.8
106-93-4	1,2-Dibromoethane	0.90	U	0.36	0.90	1.8	1.8
107-06-2	1,2-Dichloroethane	0.90	U	0.45	0.90	1.8	1.8
78-87-5	1,2-Dichloropropane	0.90	U	0.36	0.90	1.8	1.8
78-93-3	2-Butanone	9.0	U	9.0	9.0	18	18
591-78-6	2-Hexanone	18	U	9.9	18	36	36
108-10-1	4-Methyl-2-pentanone	9.0	U	9.0	9.0	18	18
67-64-1	Acetone	9.0	U	9.0	9.0	18	18
71-43-2	Benzene	0.90	U	0.27	0.90	1.8	1.8
74-97-5	Bromochloromethane	0.90	U	0.36	0.90	1.8	1.8
75-27-4	Bromodichloromethane	0.90	U	0.36	0.90	1.8	1.8
75-25-2	Bromoform	0.90	U	0.36	0.90	1.8	1.8
74-83-9	Bromomethane	0.90	U	0.63	0.90	1.8	1.8
75-15-0	Carbon disulfide	1.8	U	0.81	1.8	3.6	3.6
56-23-5	Carbon tetrachloride	0.90	U	0.27	0.90	1.8	1.8
108-90-7	Chlorobenzene	0.90	U	0.36	0.90	1.8	1.8
75-00-3	Chloroethane	0.90	U	0.45	0.90	1.8	1.8
67-66-3	Chloroform	0.90	U	0.36	0.90	1.8	1.8
74-87-3	Chloromethane	0.90	U	0.36	0.90	1.8	1.8
156-59-2	cis-1,2-Dichloroethene	0.90	U	0.36	0.90	1.8	1.8

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.57 (g/mL)	CTL Sample ID:	337831
% Solids:	84.9	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 16:19	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	0.90	U	0.27	0.90	1.8	1.8
124-48-1	Dibromochloromethane	0.90	U	0.36	0.90	1.8	1.8
100-41-4	Ethylbenzene	0.90	U	0.36	0.90	1.8	1.8
1330-20-7	m & p-Xylene	1.8	U	0.63	1.8	3.6	3.6
75-09-2	Methylene chloride	6.5	J Z,B,Q	1.5	1.8	9.0	9.0
95-47-6	o-Xylene	0.90	U	0.36	0.90	1.8	1.8
100-42-5	Styrene	0.90	U	0.27	0.90	1.8	1.8
127-18-4	Tetrachloroethene	0.90	U	0.36	0.90	1.8	1.8
108-88-3	Toluene	0.90	U	0.36	0.90	1.8	1.8
1330-20-7	Total Xylene	1.8	U	0.63	1.8	3.6	3.6
156-60-5	trans-1,2-Dichloroethene	0.90	U	0.36	0.90	1.8	1.8
10061-02-6	trans-1,3-Dichloropropene	0.90	U	0.36	0.90	1.8	1.8
79-01-6	Trichloroethene	0.90	U	0.27	0.90	1.8	1.8
75-01-4	Vinyl chloride	0.90	U	0.45	0.90	1.8	1.8

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	5.79 (g/mL)	CTL Sample ID:	337833
% Solids:	83.3	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 16:48	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	0.31	1.0	2.1	2.1
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.52	1.0	2.1	2.1
79-00-5	1,1,2-Trichloroethane	1.0	U	0.41	1.0	2.1	2.1
75-34-3	1,1-Dichloroethane	1.0	U	0.41	1.0	2.1	2.1
75-35-4	1,1-Dichloroethene	1.0	U	0.41	1.0	2.1	2.1
106-93-4	1,2-Dibromoethane	1.0	U	0.41	1.0	2.1	2.1
107-06-2	1,2-Dichloroethane	1.0	U	0.52	1.0	2.1	2.1
78-87-5	1,2-Dichloropropane	1.0	U	0.41	1.0	2.1	2.1
78-93-3	2-Butanone	10	U	10	10	21	21
591-78-6	2-Hexanone	21	U	11	21	41	41
108-10-1	4-Methyl-2-pentanone	10	U	10	10	21	21
67-64-1	Acetone	10	U	10	10	21	21
71-43-2	Benzene	1.0	U	0.31	1.0	2.1	2.1
74-97-5	Bromochloromethane	1.0	U	0.41	1.0	2.1	2.1
75-27-4	Bromodichloromethane	1.0	U	0.41	1.0	2.1	2.1
75-25-2	Bromoform	1.0	U	0.41	1.0	2.1	2.1
74-83-9	Bromomethane	1.0	U	0.73	1.0	2.1	2.1
75-15-0	Carbon disulfide	2.1	U	0.93	2.1	4.1	4.1
56-23-5	Carbon tetrachloride	1.0	U	0.31	1.0	2.1	2.1
108-90-7	Chlorobenzene	1.0	U	0.41	1.0	2.1	2.1
75-00-3	Chloroethane	1.0	U	0.52	1.0	2.1	2.1
67-66-3	Chloroform	1.0	U	0.41	1.0	2.1	2.1
74-87-3	Chloromethane	1.0	U	0.41	1.0	2.1	2.1
156-59-2	cis-1,2-Dichloroethene	1.0	U	0.41	1.0	2.1	2.1

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	5.79 (g/mL)	CTL Sample ID:	337833
% Solids:	83.3	Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 16:48	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.31	1.0	2.1	2.1
124-48-1	Dibromochloromethane	1.0	U	0.41	1.0	2.1	2.1
100-41-4	Ethylbenzene	1.0	U	0.41	1.0	2.1	2.1
1330-20-7	m & p-Xylene	2.1	U	0.73	2.1	4.1	4.1
75-09-2	Methylene chloride	7.8	J Z,B,Q	1.8	2.1	10	10
95-47-6	o-Xylene	1.0	U	0.41	1.0	2.1	2.1
100-42-5	Styrene	1.0	U	0.31	1.0	2.1	2.1
127-18-4	Tetrachloroethene	1.0	U	0.41	1.0	2.1	2.1
108-88-3	Toluene	1.0	U	0.41	1.0	2.1	2.1
1330-20-7	Total Xylene	2.1	U	0.73	2.1	4.1	4.1
156-60-5	trans-1,2-Dichloroethene	1.0	U	0.41	1.0	2.1	2.1
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.41	1.0	2.1	2.1
79-01-6	Trichloroethene	1.0	U	0.31	1.0	2.1	2.1
75-01-4	Vinyl chloride	1.0	U	0.52	1.0	2.1	2.1

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.48 (g/mL)	CTL Sample ID:	338810
% Solids:	81.5	Date Received:	08/15/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 18:15	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	0.95	U	0.28	0.95	1.9	1.9
79-34-5	1,1,2,2-Tetrachloroethane	0.95	U	0.47	0.95	1.9	1.9
79-00-5	1,1,2-Trichloroethane	0.95	U	0.38	0.95	1.9	1.9
75-34-3	1,1-Dichloroethane	0.95	U	0.38	0.95	1.9	1.9
75-35-4	1,1-Dichloroethene	0.95	U	0.38	0.95	1.9	1.9
106-93-4	1,2-Dibromoethane	0.95	U	0.38	0.95	1.9	1.9
107-06-2	1,2-Dichloroethane	0.95	U	0.47	0.95	1.9	1.9
78-87-5	1,2-Dichloropropane	0.95	U	0.38	0.95	1.9	1.9
78-93-3	2-Butanone	9.5	U	9.5	9.5	19	19
591-78-6	2-Hexanone	19	U	10	19	38	38
108-10-1	4-Methyl-2-pentanone	9.5	U	9.5	9.5	19	19
67-64-1	Acetone	9.5	U	9.5	9.5	19	19
71-43-2	Benzene	0.95	U	0.28	0.95	1.9	1.9
74-97-5	Bromochloromethane	0.95	U	0.38	0.95	1.9	1.9
75-27-4	Bromodichloromethane	0.95	U	0.38	0.95	1.9	1.9
75-25-2	Bromoform	0.95	U	0.38	0.95	1.9	1.9
74-83-9	Bromomethane	0.95	U	0.66	0.95	1.9	1.9
75-15-0	Carbon disulfide	1.9	U	0.85	1.9	3.8	3.8
56-23-5	Carbon tetrachloride	0.95	U	0.28	0.95	1.9	1.9
108-90-7	Chlorobenzene	0.95	U	0.38	0.95	1.9	1.9
75-00-3	Chloroethane	0.95	U	0.47	0.95	1.9	1.9
67-66-3	Chloroform	0.95	U	0.38	0.95	1.9	1.9
74-87-3	Chloromethane	0.95	U	0.38	0.95	1.9	1.9
156-59-2	cis-1,2-Dichloroethene	0.95	U	0.38	0.95	1.9	1.9

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	6.48 (g/mL)	CTL Sample ID:	338810
% Solids:	81.5	Date Received:	08/15/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 18:15	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	0.95	U	0.28	0.95	1.9	1.9
124-48-1	Dibromochloromethane	0.95	U	0.38	0.95	1.9	1.9
100-41-4	Ethylbenzene	0.95	U	0.38	0.95	1.9	1.9
1330-20-7	m & p-Xylene	1.9	U	0.66	1.9	3.8	3.8
1634-04-4	Methyl tert-butyl ether	0.95	U	0.38	0.95	1.9	1.9
75-09-2	Methylene chloride	5.8	J Z,B,Q	1.6	1.9	9.5	9.5
95-47-6	o-Xylene	0.95	U	0.38	0.95	1.9	1.9
100-42-5	Styrene	0.95	U	0.28	0.95	1.9	1.9
127-18-4	Tetrachloroethene	0.95	U	0.38	0.95	1.9	1.9
108-88-3	Toluene	0.95	U	0.38	0.95	1.9	1.9
1330-20-7	Total Xylene	1.9	U	0.66	1.9	3.8	3.8
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.38	0.95	1.9	1.9
10061-02-6	trans-1,3-Dichloropropene	0.95	U	0.38	0.95	1.9	1.9
79-01-6	Trichloroethene	0.95	U	0.28	0.95	1.9	1.9
75-01-4	Vinyl chloride	0.95	U	0.47	0.95	1.9	1.9

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0016-0001-TB

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	LL TRIP BLANK	SDG No.:	99211
Sample wt/vol:	5.0 (g/mL)	CTL Sample ID:	337835
% Solids:		Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 11:58	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	0.30	1.0	2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.50	1.0	2.0	2.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.40	1.0	2.0	2.0
75-34-3	1,1-Dichloroethane	1.0	U	0.40	1.0	2.0	2.0
75-35-4	1,1-Dichloroethene	1.0	U	0.40	1.0	2.0	2.0
106-93-4	1,2-Dibromoethane	1.0	U	0.40	1.0	2.0	2.0
107-06-2	1,2-Dichloroethane	1.0	U	0.50	1.0	2.0	2.0
78-87-5	1,2-Dichloropropane	1.0	U	0.40	1.0	2.0	2.0
78-93-3	2-Butanone	10	U	10	10	20	20
591-78-6	2-Hexanone	20	U	11	20	40	40
108-10-1	4-Methyl-2-pentanone	10	U	10	10	20	20
67-64-1	Acetone	10	U	10	10	20	20
71-43-2	Benzene	1.0	U	0.30	1.0	2.0	2.0
74-97-5	Bromochloromethane	1.0	U	0.40	1.0	2.0	2.0
75-27-4	Bromodichloromethane	1.0	U	0.40	1.0	2.0	2.0
75-25-2	Bromoform	1.0	U	0.40	1.0	2.0	2.0
74-83-9	Bromomethane	1.0	U	0.70	1.0	2.0	2.0
75-15-0	Carbon disulfide	2.0	U	0.90	2.0	4.0	4.0
56-23-5	Carbon tetrachloride	1.0	U	0.30	1.0	2.0	2.0
108-90-7	Chlorobenzene	1.0	U	0.40	1.0	2.0	2.0
75-00-3	Chloroethane	1.0	U	0.50	1.0	2.0	2.0
67-66-3	Chloroform	1.0	U	0.40	1.0	2.0	2.0
74-87-3	Chloromethane	1.0	U	0.40	1.0	2.0	2.0
156-59-2	cis-1,2-Dichloroethene	1.0	U	0.40	1.0	2.0	2.0

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0016-0001-TB

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	LL TRIP BLANK	SDG No.:	99211
Sample wt/vol:	5.0 (g/mL)	CTL Sample ID:	337835
% Solids:		Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 11:58	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.30	1.0	2.0	2.0
124-48-1	Dibromochloromethane	1.0	U	0.40	1.0	2.0	2.0
100-41-4	Ethylbenzene	1.0	U	0.40	1.0	2.0	2.0
1330-20-7	m & p-Xylene	2.0	U	0.70	2.0	4.0	4.0
75-09-2	Methylene chloride	7.9	J Z,B,Q	1.7	2.0	10	10
95-47-6	o-Xylene	1.0	U	0.40	1.0	2.0	2.0
100-42-5	Styrene	1.0	U	0.30	1.0	2.0	2.0
127-18-4	Tetrachloroethene	1.0	U	0.40	1.0	2.0	2.0
108-88-3	Toluene	1.0	U	0.40	1.0	2.0	2.0
1330-20-7	Total Xylene	2.0	U	0.70	2.0	4.0	4.0
156-60-5	trans-1,2-Dichloroethene	1.0	U	0.40	1.0	2.0	2.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.40	1.0	2.0	2.0
79-01-6	Trichloroethene	1.0	U	0.30	1.0	2.0	2.0
75-01-4	Vinyl chloride	1.0	U	0.50	1.0	2.0	2.0

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VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0018-0001-TB

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	LL TRIP BLANK	SDG No.:	99211
Sample wt/vol:	5.0 (g/mL)	CTL Sample ID:	337836
% Solids:		Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 23:54	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	0.30	1.0	2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.50	1.0	2.0	2.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.40	1.0	2.0	2.0
75-34-3	1,1-Dichloroethane	1.0	U	0.40	1.0	2.0	2.0
75-35-4	1,1-Dichloroethene	1.0	U	0.40	1.0	2.0	2.0
106-93-4	1,2-Dibromoethane	1.0	U	0.40	1.0	2.0	2.0
107-06-2	1,2-Dichloroethane	1.0	U	0.50	1.0	2.0	2.0
78-87-5	1,2-Dichloropropane	1.0	U	0.40	1.0	2.0	2.0
78-93-3	2-Butanone	10	U	10	10	20	20
591-78-6	2-Hexanone	20	U	11	20	40	40
108-10-1	4-Methyl-2-pentanone	10	U	10	10	20	20
67-64-1	Acetone	10	U	10	10	20	20
71-43-2	Benzene	1.0	U	0.30	1.0	2.0	2.0
74-97-5	Bromochloromethane	1.0	U	0.40	1.0	2.0	2.0
75-27-4	Bromodichloromethane	1.0	U	0.40	1.0	2.0	2.0
75-25-2	Bromoform	1.0	U	0.40	1.0	2.0	2.0
74-83-9	Bromomethane	1.0	U Z	0.70	1.0	2.0	2.0
75-15-0	Carbon disulfide	2.0	U	0.90	2.0	4.0	4.0
56-23-5	Carbon tetrachloride	1.0	U	0.30	1.0	2.0	2.0
108-90-7	Chlorobenzene	1.0	U	0.40	1.0	2.0	2.0
75-00-3	Chloroethane	1.0	U	0.50	1.0	2.0	2.0
67-66-3	Chloroform	1.0	U	0.40	1.0	2.0	2.0
74-87-3	Chloromethane	1.0	U	0.40	1.0	2.0	2.0
156-59-2	cis-1,2-Dichloroethene	1.0	U	0.40	1.0	2.0	2.0

CT LABORATORIES
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1A

VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0018-0001-TB

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	LL TRIP BLANK	SDG No.:	99211
Sample wt/vol:	5.0 (g/mL)	CTL Sample ID:	337836
% Solids:		Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/20/2013 / 23:54	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.30	1.0	2.0	2.0
124-48-1	Dibromochloromethane	1.0	U	0.40	1.0	2.0	2.0
100-41-4	Ethylbenzene	1.0	U	0.40	1.0	2.0	2.0
1330-20-7	m & p-Xylene	2.0	U	0.70	2.0	4.0	4.0
75-09-2	Methylene chloride	9.3	J Z,B,Q	1.7	2.0	10	10
95-47-6	o-Xylene	1.0	U	0.40	1.0	2.0	2.0
100-42-5	Styrene	1.0	U	0.30	1.0	2.0	2.0
127-18-4	Tetrachloroethene	1.0	U	0.40	1.0	2.0	2.0
108-88-3	Toluene	1.0	U	0.40	1.0	2.0	2.0
1330-20-7	Total Xylene	2.0	U	0.70	2.0	4.0	4.0
156-60-5	trans-1,2-Dichloroethene	1.0	U	0.40	1.0	2.0	2.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.40	1.0	2.0	2.0
79-01-6	Trichloroethene	1.0	U	0.30	1.0	2.0	2.0
75-01-4	Vinyl chloride	1.0	U	0.50	1.0	2.0	2.0

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1A

VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0020-0001-TB

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	LL TRIP BLANK	SDG No.:	99211
Sample wt/vol:	5.0 (g/mL)	CTL Sample ID:	338809
% Solids:		Date Received:	08/15/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/21/2013 / 00:23	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
71-55-6	1,1,1-Trichloroethane	1.0	U	0.30	1.0	2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	0.50	1.0	2.0	2.0
79-00-5	1,1,2-Trichloroethane	1.0	U	0.40	1.0	2.0	2.0
75-34-3	1,1-Dichloroethane	1.0	U	0.40	1.0	2.0	2.0
75-35-4	1,1-Dichloroethene	1.0	U	0.40	1.0	2.0	2.0
106-93-4	1,2-Dibromoethane	1.0	U	0.40	1.0	2.0	2.0
107-06-2	1,2-Dichloroethane	1.0	U	0.50	1.0	2.0	2.0
78-87-5	1,2-Dichloropropane	1.0	U	0.40	1.0	2.0	2.0
78-93-3	2-Butanone	10	U	10	10	20	20
591-78-6	2-Hexanone	20	U	11	20	40	40
108-10-1	4-Methyl-2-pentanone	10	U	10	10	20	20
67-64-1	Acetone	15	J	10	10	20	20
71-43-2	Benzene	1.0	U	0.30	1.0	2.0	2.0
74-97-5	Bromochloromethane	1.0	U	0.40	1.0	2.0	2.0
75-27-4	Bromodichloromethane	1.0	U	0.40	1.0	2.0	2.0
75-25-2	Bromoform	1.0	U	0.40	1.0	2.0	2.0
74-83-9	Bromomethane	1.0	U Z	0.70	1.0	2.0	2.0
75-15-0	Carbon disulfide	2.0	U	0.90	2.0	4.0	4.0
56-23-5	Carbon tetrachloride	1.0	U	0.30	1.0	2.0	2.0
108-90-7	Chlorobenzene	1.0	U	0.40	1.0	2.0	2.0
75-00-3	Chloroethane	1.0	U	0.50	1.0	2.0	2.0
67-66-3	Chloroform	1.0	U	0.40	1.0	2.0	2.0
74-87-3	Chloromethane	1.0	U	0.40	1.0	2.0	2.0
156-59-2	cis-1,2-Dichloroethene	1.0	U	0.40	1.0	2.0	2.0

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1A

VOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0020-0001-TB

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	LL TRIP BLANK	SDG No.:	99211
Sample wt/vol:	5.0 (g/mL)	CTL Sample ID:	338809
% Solids:		Date Received:	08/15/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 08:15
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96825	Dilution Factor:	1.00
Date & Time Analyzed:	08/21/2013 / 00:23	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
10061-01-5	cis-1,3-Dichloropropene	1.0	U	0.30	1.0	2.0	2.0
124-48-1	Dibromochloromethane	1.0	U	0.40	1.0	2.0	2.0
100-41-4	Ethylbenzene	1.0	U	0.40	1.0	2.0	2.0
1330-20-7	m & p-Xylene	2.0	U	0.70	2.0	4.0	4.0
1634-04-4	Methyl tert-butyl ether	1.0	U	0.40	1.0	2.0	2.0
75-09-2	Methylene chloride	11	Z,B,Q	1.7	2.0	10	10
95-47-6	o-Xylene	1.0	U	0.40	1.0	2.0	2.0
100-42-5	Styrene	1.0	U	0.30	1.0	2.0	2.0
127-18-4	Tetrachloroethene	1.0	U	0.40	1.0	2.0	2.0
108-88-3	Toluene	1.0	U	0.40	1.0	2.0	2.0
1330-20-7	Total Xylene	2.0	U	0.70	2.0	4.0	4.0
156-60-5	trans-1,2-Dichloroethene	1.0	U	0.40	1.0	2.0	2.0
10061-02-6	trans-1,3-Dichloropropene	1.0	U	0.40	1.0	2.0	2.0
79-01-6	Trichloroethene	1.0	U	0.30	1.0	2.0	2.0
75-01-4	Vinyl chloride	1.0	U	0.50	1.0	2.0	2.0

CT LABORATORIES
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1A-2

VOLATILE ORGANICS ANALYSIS (MB)

Sample Description: **METHOD BLANK**

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:		SDG No.:	99211
Sample wt/vol:	5.00 (g/mL)	CTL Sample ID:	339693
% Solids:		Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 07:45
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96824	Dilution Factor:	1.00
Cleanup Date/Time/Type:	. . ,		
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Analysis Date/Time		Concentration	Qualifiers	DL/LOD	RL	*Control Limit*
71-55-6	1,1,1-Trichloroethane	08/20/2013	11:00	0.3	U	0.3	2.0	***1.0***
79-34-5	1,1,2,2-Tetrachloroethane	08/20/2013	11:00	0.5	U	0.5	2.0	***1.0***
79-00-5	1,1,2-Trichloroethane	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
75-34-3	1,1-Dichloroethane	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
75-35-4	1,1-Dichloroethene	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
106-93-4	1,2-Dibromoethane	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
107-06-2	1,2-Dichloroethane	08/20/2013	11:00	0.5	U	0.5	2.0	***1.0***
78-87-5	1,2-Dichloropropane	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
78-93-3	2-Butanone	08/20/2013	11:00	10	U	10	20	***10***
591-78-6	2-Hexanone	08/20/2013	11:00	11	U	11	40	***20***
108-10-1	4-Methyl-2-pentanone	08/20/2013	11:00	10	U	10	20	***10***
67-64-1	Acetone	08/20/2013	11:00	10	U	10	20	***10***
71-43-2	Benzene	08/20/2013	11:00	0.3	U	0.3	2.0	***1.0***
74-97-5	Bromochloromethane	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
75-27-4	Bromodichloromethane	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
75-25-2	Bromoform	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
74-83-9	Bromomethane	08/20/2013	11:00	0.7	U	0.7	2.0	***1.0***
75-15-0	Carbon disulfide	08/20/2013	11:00	0.9	U	0.9	4.0	***2.0***
56-23-5	Carbon tetrachloride	08/20/2013	11:00	0.3	U	0.3	2.0	***1.0***
108-90-7	Chlorobenzene	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
75-00-3	Chloroethane	08/20/2013	11:00	0.5	U	0.5	2.0	***1.0***
67-66-3	Chloroform	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
74-87-3	Chloromethane	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***

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Sample Description

METHOD BLANK

1A-2

VOLATILE ORGANICS ANALYSIS (MB)

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:		SDG No.:	99211
Sample wt/vol:	5.00 (g/mL)	CTL Sample ID:	339693
% Solids:		Date Received:	08/13/2013
Soil Extract Vol:	5.0 (mL)	Date/Time Prepared:	08/20/2013 / 07:45
Analytical Method:	EPA 8260C	Analytical Prep Batch #	45499
Analytical Run #:	96824	Dilution Factor:	1.00
Cleanup Date/Time/Type:	. . ,		
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	LS081913	Concentration Units:	ug/kg

CAS NO.	Analyte	Analysis Date/Time		Concentration	Qualifiers	DL/LOD	RL	*Control Limit*
156-59-2	cis-1,2-Dichloroethene	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
10061-01-5	cis-1,3-Dichloropropene	08/20/2013	11:00	0.3	U	0.3	2.0	***1.0***
124-48-1	Dibromochloromethane	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
100-41-4	Ethylbenzene	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
1330-20-7	m & p-Xylene	08/20/2013	11:00	0.7	U	0.7	4.0	***2.0***
75-09-2	Methylene chloride	08/20/2013	11:00	5.70	B	1.7	10	***5.0***
95-47-6	o-Xylene	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
100-42-5	Styrene	08/20/2013	11:00	0.3	U	0.3	2.0	***1.0***
127-18-4	Tetrachloroethene	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
108-88-3	Toluene	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
156-60-5	trans-1,2-Dichloroethene	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
10061-02-6	trans-1,3-Dichloropropene	08/20/2013	11:00	0.4	U	0.4	2.0	***1.0***
79-01-6	Trichloroethene	08/20/2013	11:00	0.3	U	0.3	2.0	***1.0***
75-01-4	Vinyl chloride	08/20/2013	11:00	0.5	U	0.5	2.0	***1.0***

CT LABORATORIES
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2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Analytical Method: EPA 8260C | SDG: 99211

Analytical Run #: 96824 | ICAL Calibration #: LS081913

CTLab #	337814				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	100	70	130	
Bromofluorobenzene	100	100	85	120	
d8-Toluene	100	100	85	115	
Dibromofluoromethane	100	88	70	130	
CTLab #	**337816**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	106	70	130	
Bromofluorobenzene	100	113	85	120	
d8-Toluene	100	100	85	115	
Dibromofluoromethane	100	94	70	130	
CTLab #	**337819**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	100	70	130	
Bromofluorobenzene	100	106	85	120	
d8-Toluene	100	100	85	115	
Dibromofluoromethane	100	88	70	130	
CTLab #	**337821**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	100	70	130	
Bromofluorobenzene	100	119	85	120	
d8-Toluene	100	100	85	115	
Dibromofluoromethane	100	88	70	130	
CTLab #	**337823**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	100	70	130	
Bromofluorobenzene	100	106	85	120	
d8-Toluene	100	100	85	115	
Dibromofluoromethane	100	94	70	130	
CTLab #	**337825**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	113	70	130	
Bromofluorobenzene	100	100	85	120	
d8-Toluene	100	106	85	115	
Dibromofluoromethane	100	100	70	130	

CT LABORATORIES
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2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Analytical Method: EPA 8260C | SDG: 99211

Analytical Run #: 96824 | ICAL Calibration #: LS081913

CTLab #	337827				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	106	70	130	
Bromofluorobenzene	100	113	85	120	
d8-Toluene	100	100	85	115	
Dibromofluoromethane	100	94	70	130	
CTLab #	**337829**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	106	70	130	
Bromofluorobenzene	100	100	85	120	
d8-Toluene	100	106	85	115	
Dibromofluoromethane	100	100	70	130	
CTLab #	**337831**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	100	70	130	
Bromofluorobenzene	100	100	85	120	
d8-Toluene	100	100	85	115	
Dibromofluoromethane	100	94	70	130	
CTLab #	**337833**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	106	70	130	
Bromofluorobenzene	100	106	85	120	
d8-Toluene	100	100	85	115	
Dibromofluoromethane	100	94	70	130	
CTLab #	**337835**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	94	70	130	
Bromofluorobenzene	100	100	85	120	
d8-Toluene	100	100	85	115	
Dibromofluoromethane	100	88	70	130	
CTLab #	**337836**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	94	70	130	
Bromofluorobenzene	100	94	85	120	
d8-Toluene	100	106	85	115	
Dibromofluoromethane	100	94	70	130	

CT LABORATORIES
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2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Analytical Method:	EPA 8260C	SDG:	99211
Analytical Run #:	96824	ICAL Calibration #:	LS081913

CTLab #	338807				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	119	70	130	
Bromofluorobenzene	100	100	85	120	
d8-Toluene	100	106	85	115	
Dibromofluoromethane	100	94	70	130	
CTLab #	**338808**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	106	70	130	
Bromofluorobenzene	100	94	85	120	
d8-Toluene	100	100	85	115	
Dibromofluoromethane	100	94	70	130	
CTLab #	**338809**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	94	70	130	
Bromofluorobenzene	100	100	85	120	
d8-Toluene	100	106	85	115	
Dibromofluoromethane	100	94	70	130	
CTLab #	**338810**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	113	70	130	
Bromofluorobenzene	100	106	85	120	
d8-Toluene	100	100	85	115	
Dibromofluoromethane	100	100	70	130	
CTLab #	**339693**	Sample Type:		Method Blank	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	88.0	52	115	
Bromofluorobenzene	100	100	85	120	
d8-Toluene	100	106	85	115	
Dibromofluoromethane	100	88.0	54	117	
CTLab #	**339694**	Sample Type:		Lab Control Spike	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	100	52	115	
Bromofluorobenzene	100	106	85	120	
d8-Toluene	100	100	85	115	
Dibromofluoromethane	100	100	54	117	

CT LABORATORIES
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2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Analytical Method: EPA 8260C | SDG: 99211

Analytical Run #: 96824 | ICAL Calibration #: LS081913

CTLab #	339695	Sample Type:		Matrix Spike	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	113	52	115	
Bromofluorobenzene	100	113	85	120	
d8-Toluene	100	106	85	115	
Dibromofluoromethane	100	106	54	117	
CTLab #	**339696**	Sample Type:		Matrix Spike Duplicate	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	113	52	115	
Bromofluorobenzene	100	106	85	120	
d8-Toluene	100	100	85	115	
Dibromofluoromethane	100	106	54	117	
CTLab #	**340120**	Sample Type:		Normal Field Sample	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	100	80	120	
Bromofluorobenzene	100	88.0	80	120	
d8-Toluene	100	100	80	120	
Dibromofluoromethane	100	106	80	120	
CTLab #	**340730**	Sample Type:		Normal Field Sample	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	106	80	120	
Bromofluorobenzene	100	100	80	120	
d8-Toluene	100	100	80	120	
Dibromofluoromethane	100	100	80	120	
CTLab #	**340890**	Sample Type:		Normal Field Sample	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	88.0	52	115	
Bromofluorobenzene	100	100	85	120	
d8-Toluene	100	106	85	115	
Dibromofluoromethane	100	94.0	54	117	
CTLab #	**342194**	Sample Type:		Method Reporting Limit	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	100	70	130	
Bromofluorobenzene	100	106	85	120	
d8-Toluene	100	100	85	115	
Dibromofluoromethane	100	100	70	130	

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2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Analytical Method:	EPA 8260C	SDG:	99211
Analytical Run #:	96824	ICAL Calibration #:	LS081913

CTLab #	342199	Sample Type:		Method Reporting Limit	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	100	70	130	
Bromofluorobenzene	100	100	85	120	
d8-Toluene	100	100	85	115	
Dibromofluoromethane	100	100	70	130	

CTLab #	342204	Sample Type:		Normal Field Sample	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2 Dichloroethane-d4	100	113	70	130	
Bromofluorobenzene	100	100	85	120	
d8-Toluene	100	106	85	115	
Dibromofluoromethane	100	100	70	130	

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3B

SOIL VOLATILE MATRIX SPIKE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8260C Concentration Units: ug/kg

Analytical Run #: 96824 Sample No.: 339695 Parent Sample No.: 337816

Analytical Prep Batch #: 45499 Analytical Preparation Date/Time: 08/20/2013 08:15

ICAL Calibration #: LS081913

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R	
1,1,1-Trichloroethane	08/21/2013	00:52	70-135	6.76	BDL	10.1	67	*FAIL*
1,1,2,2-Tetrachloroethane	08/21/2013	00:52	55-130	2.62	BDL	10.1	26	*FAIL*
1,1,2-Trichloroethane	08/21/2013	00:52	60-125	3.13	BDL	10.1	31	*FAIL*
1,1-Dichloroethane	08/21/2013	00:52	75-125	6.05	BDL	10.1	60	*FAIL*
1,1-Dichloroethene	08/21/2013	00:52	65-135	8.27	BDL	10.1	82	
1,2-Dibromoethane	08/21/2013	00:52	70-125	2.72	BDL	10.1	27	*FAIL*
1,2-Dichloroethane	08/21/2013	00:52	70-135	3.63	BDL	10.1	36	*FAIL*
1,2-Dichloropropane	08/21/2013	00:52	70-120	4.34	BDL	10.1	43	*FAIL*
2-Butanone	08/21/2013	00:52	30-160	49.7	BDL	101	49	
2-Hexanone	08/21/2013	00:52	45-145	34.3	BDL	101	34	*FAIL*
4-Methyl-2-pentanone	08/21/2013	00:52	45-145	37.9	BDL	101	38	*FAIL*
Acetone	08/21/2013	00:52	20-160	57.6	BDL	101	57	
Benzene	08/21/2013	00:52	75-125	5.45	BDL	10.1	54	*FAIL*
Bromochloromethane	08/21/2013	00:52	70-125	4.84	BDL	10.1	48	*FAIL*
Bromodichloromethane	08/21/2013	00:52	70-130	3.73	BDL	10.1	37	*FAIL*
Bromoform	08/21/2013	00:52	55-135	2.42	BDL	10.1	24	*FAIL*
Bromomethane	08/21/2013	00:52	30-160	4.64	BDL	10.1	46	
Carbon disulfide	08/21/2013	00:52	45-160	15.7	BDL	20.2	78	
Carbon tetrachloride	08/21/2013	00:52	65-135	7.46	BDL	10.1	74	
Chlorobenzene	08/21/2013	00:52	75-125	3.43	BDL	10.1	34	*FAIL*
Chloroethane	08/21/2013	00:52	40-155	6.15	BDL	10.1	61	
Chloroform	08/21/2013	00:52	70-125	5.14	BDL	10.1	51	*FAIL*
Chloromethane	08/21/2013	00:52	50-130	8.27	BDL	10.1	82	
cis-1,2-Dichloroethene	08/21/2013	00:52	65-125	5.45	BDL	10.1	54	*FAIL*
cis-1,3-Dichloropropene	08/21/2013	00:52	70-125	3.13	BDL	10.1	31	*FAIL*
Dibromochloromethane	08/21/2013	00:52	65-130	2.72	BDL	10.1	27	*FAIL*
Ethylbenzene	08/21/2013	00:52	75-125	4.03	BDL	10.1	40	*FAIL*
m & p-Xylene	08/21/2013	00:52	80-125	8.27	BDL	20.2	41	*FAIL*
Methylene chloride	08/21/2013	00:52	55-140	11.9	6.5	10.1	53	*FAIL*
o-Xylene	08/21/2013	00:52	75-125	3.53	BDL	10.1	35	*FAIL*
Styrene	08/21/2013	00:52	75-125	2.52	BDL	10.1	25	*FAIL*

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3B

SOIL VOLATILE MATRIX SPIKE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8260C Concentration Units: ug/kg

Analytical Run #: 96824 Sample No.: 339695 Parent Sample No.: 337816

Analytical Prep Batch #: 45499 Analytical Preparation Date/Time: 08/20/2013 08:15

ICAL Calibration #: LS081913

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R	
Tetrachloroethene	08/21/2013	00:52	65-140	6.66	BDL	10.1	66	
Toluene	08/21/2013	00:52	70-125	4.84	BDL	10.1	48	*FAIL*
trans-1,2-Dichloroethene	08/21/2013	00:52	65-135	6.76	BDL	10.1	67	
trans-1,3-Dichloropropene	08/21/2013	00:52	65-125	2.62	BDL	10.1	26	*FAIL*
Trichloroethene	08/21/2013	00:52	75-125	5.65	BDL	10.1	56	*FAIL*
Vinyl chloride	08/21/2013	00:52	60-125	7.97	BDL	10.1	79	

Spike Recovery: 26 out of 37 outside QC limits

CT LABORATORIES
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3B

SOIL VOLATILE MATRIX SPIKE DUPLICATE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8260C Concentration Units: ug/kg

Analytical Run #: 96824 Sample No.: 339696 Parent Sample No.: 339695

Analytical Prep Batch #: 45499 Analytical Preparation Date/Time: 08/20/2013 08:15

ICAL Calibration #: LS081913

Analyte	Analysis Date/Time		Spike Result	Spike Amount	%R	%RPD	Control Limits (%R)	Control Limits (%RPD)	
1,1,1-Trichloroethane	08/21/2013	01:21	7.60	9.88	77	14	70-135	30	
1,1,2,2-Tetrachloroethane	08/21/2013	01:21	2.07	9.88	21	21	55-130	30	*FAIL*
1,1,2-Trichloroethane	08/21/2013	01:21	2.77	9.88	28	10	60-125	30	*FAIL*
1,1-Dichloroethane	08/21/2013	01:21	6.22	9.88	63	5	75-125	30	*FAIL*
1,1-Dichloroethene	08/21/2013	01:21	9.48	9.88	96	16	65-135	30	
1,2-Dibromoethane	08/21/2013	01:21	2.37	9.88	24	12	70-125	30	*FAIL*
1,2-Dichloroethane	08/21/2013	01:21	3.36	9.88	34	6	70-135	30	*FAIL*
1,2-Dichloropropane	08/21/2013	01:21	4.05	9.88	41	5	70-120	30	*FAIL*
2-Butanone	08/21/2013	01:21	45.4	98.8	46	7	30-160	30	
2-Hexanone	08/21/2013	01:21	32.7	98.8	33	3	45-145	30	*FAIL*
4-Methyl-2-pentanone	08/21/2013	01:21	34.4	98.8	35	8	45-145	30	*FAIL*
Acetone	08/21/2013	01:21	55.3	98.8	56	2	20-160	30	
Benzene	08/21/2013	01:21	5.63	9.88	57	5	75-125	30	*FAIL*
Bromochloromethane	08/21/2013	01:21	4.54	9.88	46	4	70-125	30	*FAIL*
Bromodichloromethane	08/21/2013	01:21	3.36	9.88	34	8	70-130	30	*FAIL*
Bromoform	08/21/2013	01:21	2.07	9.88	21	13	55-135	30	*FAIL*
Bromomethane	08/21/2013	01:21	5.14	9.88	52	12	30-160	30	
Carbon disulfide	08/21/2013	01:21	17.0	19.8	86	10	45-160	30	
Carbon tetrachloride	08/21/2013	01:21	8.39	9.88	85	14	65-135	30	
Chlorobenzene	08/21/2013	01:21	2.96	9.88	30	12	75-125	30	*FAIL*
Chloroethane	08/21/2013	01:21	6.52	9.88	66	8	40-155	30	
Chloroform	08/21/2013	01:21	5.14	9.88	52	2	70-125	30	*FAIL*
Chloromethane	08/21/2013	01:21	8.69	9.88	88	7	50-130	30	
cis-1,2-Dichloroethene	08/21/2013	01:21	5.23	9.88	53	2	65-125	30	*FAIL*
cis-1,3-Dichloropropene	08/21/2013	01:21	2.67	9.88	27	14	70-125	30	*FAIL*
Dibromochloromethane	08/21/2013	01:21	2.57	9.88	26	4	65-130	30	*FAIL*
Ethylbenzene	08/21/2013	01:21	4.15	9.88	42	5	75-125	30	*FAIL*
m & p-Xylene	08/21/2013	01:21	8.30	19.8	42	2	80-125	30	*FAIL*
Methylene chloride	08/21/2013	01:21	12.4	9.88	60	7	55-140	30	
o-Xylene	08/21/2013	01:21	3.26	9.88	33	6	75-125	30	*FAIL*
Styrene	08/21/2013	01:21	2.27	9.88	23	8	75-125	30	*FAIL*

CT LABORATORIES
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3B

Sample Description

SOIL VOLATILE MATRIX SPIKE DUPLICATE RECOVERY

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8260C Concentration Units: ug/kg

Analytical Run #: 96824 Sample No.: 339696 Parent Sample No.: 339695

Analytical Prep Batch #: 45499 Analytical Preparation Date/Time: 08/20/2013 08:15

ICAL Calibration #: LS081913

Analyte	Analysis Date/Time		Spike Result	Spike Amount	%R	%RPD	Control Limits (%R)	Control Limits (%RPD)	
Tetrachloroethene	08/21/2013	01:21	7.11	9.88	72	9	65-140	30	
Toluene	08/21/2013	01:21	5.04	9.88	51	6	70-125	30	*FAIL*
trans-1,2-Dichloroethene	08/21/2013	01:21	7.11	9.88	72	7	65-135	30	
trans-1,3-Dichloropropene	08/21/2013	01:21	2.17	9.88	22	17	65-125	30	*FAIL*
Trichloroethene	08/21/2013	01:21	5.73	9.88	58	4	75-125	30	*FAIL*
Vinyl chloride	08/21/2013	01:21	8.89	9.88	90	13	60-125	30	

RPD or Spike Recovery: 24 out of 37 outside QC limits

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3B

SOIL VOLATILE LAB CONTROL SAMPLE

Sample Description: **LCS**

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Sample No.: 339694 | SDG No.: 99211

Analytical Method: EPA 8260C | Concentration Units: ug/kg

Sample No.: 339694 | Parent Sample No.: 0

Analytical Prep Batch #: 45499 | Analytical Preparation Date/Time: 08/20/2013 07:45

Analytical Run #: 96824 | ICAL Calibration #: LS081913

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R
1,1,1-Trichloroethane	08/20/2013	09:34	70-135	11.3		10.0	113
1,1,2,2-Tetrachloroethane	08/20/2013	09:34	55-130	10.0		10.0	100
1,1,2-Trichloroethane	08/20/2013	09:34	60-125	9.80		10.0	98
1,1-Dichloroethane	08/20/2013	09:34	75-125	10.8		10.0	108
1,1-Dichloroethene	08/20/2013	09:34	65-135	11.3		10.0	113
1,2-Dibromoethane	08/20/2013	09:34	70-125	9.60		10.0	96
1,2-Dichloroethane	08/20/2013	09:34	70-135	10.5		10.0	105
1,2-Dichloropropane	08/20/2013	09:34	70-120	10.7		10.0	107
2-Butanone	08/20/2013	09:34	30-160	127		100	127
2-Hexanone	08/20/2013	09:34	45-145	102		100	102
4-Methyl-2-pentanone	08/20/2013	09:34	45-145	108		100	108
Acetone	08/20/2013	09:34	20-160	157		100	157
Benzene	08/20/2013	09:34	75-125	10.7		10.0	107
Bromochloromethane	08/20/2013	09:34	70-125	10.5		10.0	105
Bromodichloromethane	08/20/2013	09:34	70-130	10.6		10.0	106
Bromoform	08/20/2013	09:34	55-135	10.3		10.0	103
Bromomethane	08/20/2013	09:34	30-160	10.1		10.0	101
Carbon disulfide	08/20/2013	09:34	45-160	23.3		20.0	116
Carbon tetrachloride	08/20/2013	09:34	65-135	11.2		10.0	112
Chlorobenzene	08/20/2013	09:34	75-125	10.3		10.0	103
Chloroethane	08/20/2013	09:34	40-155	12.7		10.0	127
Chloroform	08/20/2013	09:34	70-125	10.6		10.0	106
Chloromethane	08/20/2013	09:34	50-130	11.2		10.0	112
cis-1,2-Dichloroethene	08/20/2013	09:34	65-125	10.7		10.0	107
cis-1,3-Dichloropropene	08/20/2013	09:34	70-125	10.4		10.0	104
Dibromochloromethane	08/20/2013	09:34	65-130	9.70		10.0	97
Ethylbenzene	08/20/2013	09:34	75-125	10.6		10.0	106
m & p-Xylene	08/20/2013	09:34	80-125	20.9		20.0	104

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3B

Sample Description

LCS

SOIL VOLATILE LAB CONTROL SAMPLE

Lab Name: CT Laboratories Contract ECC-RVAAP

Sample No.: 339694 SDG No.: 99211

Analytical Method: EPA 8260C Concentration Units: ug/kg

Sample No.: 339694 Parent Sample No.: 0

Analytical Prep Batch #: 45499 Analytical Preparation Date/Time: 08/20/2013 07:45

Analytical Run #: 96824 ICAL Calibration #: LS081913

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R	
Methylene chloride	08/20/2013	09:34	55-140	16.6		10.0	166	*FAIL*
o-Xylene	08/20/2013	09:34	75-125	10.0		10.0	100	
Styrene	08/20/2013	09:34	75-125	9.80		10.0	98	
Tetrachloroethene	08/20/2013	09:34	65-140	12.0		10.0	120	
Toluene	08/20/2013	09:34	70-125	10.7		10.0	107	
trans-1,2-Dichloroethene	08/20/2013	09:34	65-135	11.1		10.0	111	
trans-1,3-Dichloropropene	08/20/2013	09:34	65-125	10.7		10.0	107	
Trichloroethene	08/20/2013	09:34	75-125	11.1		10.0	111	
Vinyl chloride	08/20/2013	09:34	60-125	11.7		10.0	117	

Spike Recovery: 1 out of 37 outside limits

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3B

SOIL VOLATILE METHOD REPORTING LIMIT

Sample Description: **MRL**

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Sample No.: 342194 | SDG No.: 99211

Analytical Method: EPA 8260C | Concentration Units: ug/kg

Analytical Run #: 96824 | Sample No.: 342194 | Parent Sample No.: 0

Analytical Prep Batch #: | Analytical Preparation Date/Time:

ICAL Calibration #: LS081913

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R	
1,1,1-Trichloroethane	08/20/2013	10:02	70-130	2.20		2.00	110	
1,1,2,2-Tetrachloroethane	08/20/2013	10:02	70-130	2.00		2.00	100	
1,1,2-Trichloroethane	08/20/2013	10:02	70-130	2.10		2.00	105	
1,1-Dichloroethane	08/20/2013	10:02	70-130	2.20		2.00	110	
1,1-Dichloroethene	08/20/2013	10:02	70-130	2.30		2.00	115	
1,2-Dibromoethane	08/20/2013	10:02	70-130	1.80		2.00	90	
1,2-Dichloroethane	08/20/2013	10:02	70-130	2.00		2.00	100	
1,2-Dichloropropane	08/20/2013	10:02	70-130	2.00		2.00	100	
2-Butanone	08/20/2013	10:02	70-130	21.2		20.0	106	
2-Hexanone	08/20/2013	10:02	70-130	19.6		20.0	98	
4-Methyl-2-pentanone	08/20/2013	10:02	70-130	20.6		20.0	103	
Acetone	08/20/2013	10:02	70-130	30.9		20.0	154	*FAIL*
Benzene	08/20/2013	10:02	70-130	2.00		2.00	100	
Bromochloromethane	08/20/2013	10:02	70-130	2.00		2.00	100	
Bromodichloromethane	08/20/2013	10:02	70-130	2.00		2.00	100	
Bromoform	08/20/2013	10:02	70-130	1.90		2.00	95	
Bromomethane	08/20/2013	10:02	70-130	2.40		2.00	120	
Carbon disulfide	08/20/2013	10:02	70-130	4.70		4.00	118	
Carbon tetrachloride	08/20/2013	10:02	70-130	2.00		2.00	100	
Chlorobenzene	08/20/2013	10:02	70-130	2.00		2.00	100	
Chloroethane	08/20/2013	10:02	70-130	2.30		2.00	115	
Chloroform	08/20/2013	10:02	70-130	2.30		2.00	115	
Chloromethane	08/20/2013	10:02	70-130	2.40		2.00	120	
cis-1,2-Dichloroethene	08/20/2013	10:02	70-130	2.20		2.00	110	
cis-1,3-Dichloropropene	08/20/2013	10:02	70-130	1.80		2.00	90	
Dibromochloromethane	08/20/2013	10:02	70-130	1.90		2.00	95	
Ethylbenzene	08/20/2013	10:02	70-130	2.00		2.00	100	
m & p-Xylene	08/20/2013	10:02	70-130	4.00		4.00	100	

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3B

Sample Description

SOIL VOLATILE METHOD REPORTING LIMIT

MRL

Lab Name: CT Laboratories Contract: ECC-RVAAP

Sample No.: 342194 SDG No.: 99211

Analytical Method: EPA 8260C Concentration Units: ug/kg

Analytical Run #: 96824 Sample No.: 342194 Parent Sample No.: 0

Analytical Prep Batch #: Analytical Preparation Date/Time:

ICAL Calibration #: LS081913

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R	
Methylene chloride	08/20/2013	10:02	70-130	7.70		2.00	385	*FAIL*
o-Xylene	08/20/2013	10:02	70-130	1.90		2.00	95	
Styrene	08/20/2013	10:02	70-130	1.80		2.00	90	
Tetrachloroethene	08/20/2013	10:02	70-130	2.20		2.00	110	
Toluene	08/20/2013	10:02	70-130	2.00		2.00	100	
trans-1,2-Dichloroethene	08/20/2013	10:02	70-130	2.20		2.00	110	
trans-1,3-Dichloropropene	08/20/2013	10:02	70-130	1.80		2.00	90	
Trichloroethene	08/20/2013	10:02	70-130	2.10		2.00	105	
Vinyl chloride	08/20/2013	10:02	70-130	2.60		2.00	130	

Spike Recovery: 2 out of 37 outside limits

CT LABORATORIES
delivering more than data from your environmental analyses

3B

SOIL VOLATILE METHOD REPORTING LIMIT

Sample Description: **MRL**

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Sample No.: 342199 | SDG No.: 99211

Analytical Method: EPA 8260C | Concentration Units: ug/kg

Analytical Run #: 96824 | Sample No.: 342199 | Parent Sample No.: 0

Analytical Prep Batch #: | Analytical Preparation Date/Time:

ICAL Calibration #: LS081913

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R	
1,1,1-Trichloroethane	08/21/2013	02:19	70-130	1.70		2.00	85	
1,1,2,2-Tetrachloroethane	08/21/2013	02:19	70-130	1.60		2.00	80	
1,1,2-Trichloroethane	08/21/2013	02:19	70-130	1.80		2.00	90	
1,1-Dichloroethane	08/21/2013	02:19	70-130	1.90		2.00	95	
1,1-Dichloroethene	08/21/2013	02:19	70-130	2.10		2.00	105	
1,2-Dibromoethane	08/21/2013	02:19	70-130	1.60		2.00	80	
1,2-Dichloroethane	08/21/2013	02:19	70-130	1.50		2.00	75	
1,2-Dichloropropane	08/21/2013	02:19	70-130	1.90		2.00	95	
2-Butanone	08/21/2013	02:19	70-130	18.9		20.0	94	
2-Hexanone	08/21/2013	02:19	70-130	16.6		20.0	83	
4-Methyl-2-pentanone	08/21/2013	02:19	70-130	18.3		20.0	92	
Acetone	08/21/2013	02:19	70-130	20.5		20.0	102	
Benzene	08/21/2013	02:19	70-130	1.80		2.00	90	
Bromochloromethane	08/21/2013	02:19	70-130	2.00		2.00	100	
Bromodichloromethane	08/21/2013	02:19	70-130	1.70		2.00	85	
Bromoform	08/21/2013	02:19	70-130	1.80		2.00	90	
Bromomethane	08/21/2013	02:19	70-130	1.50		2.00	75	
Carbon disulfide	08/21/2013	02:19	70-130	4.10		4.00	102	
Carbon tetrachloride	08/21/2013	02:19	70-130	1.90		2.00	95	
Chlorobenzene	08/21/2013	02:19	70-130	1.90		2.00	95	
Chloroethane	08/21/2013	02:19	70-130	1.30		2.00	65	*FAIL*
Chloroform	08/21/2013	02:19	70-130	1.90		2.00	95	
Chloromethane	08/21/2013	02:19	70-130	2.10		2.00	105	
cis-1,2-Dichloroethene	08/21/2013	02:19	70-130	1.80		2.00	90	
cis-1,3-Dichloropropene	08/21/2013	02:19	70-130	1.50		2.00	75	
Dibromochloromethane	08/21/2013	02:19	70-130	1.70		2.00	85	
Ethylbenzene	08/21/2013	02:19	70-130	1.70		2.00	85	
m & p-Xylene	08/21/2013	02:19	70-130	3.40		4.00	85	

CT LABORATORIES
delivering more than data from your environmental analyses

3B

Sample Description

SOIL VOLATILE METHOD REPORTING LIMIT

MRL

Lab Name: CT Laboratories Contract: ECC-RVAAP

Sample No.: 342199 SDG No.: 99211

Analytical Method: EPA 8260C Concentration Units: ug/kg

Analytical Run #: 96824 Sample No.: 342199 Parent Sample No.: 0

Analytical Prep Batch #: Analytical Preparation Date/Time:

ICAL Calibration #: LS081913

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R	
Methylene chloride	08/21/2013	02:19	70-130	8.40		2.00	420	*FAIL*
o-Xylene	08/21/2013	02:19	70-130	1.70		2.00	85	
Styrene	08/21/2013	02:19	70-130	1.60		2.00	80	
Tetrachloroethene	08/21/2013	02:19	70-130	2.00		2.00	100	
Toluene	08/21/2013	02:19	70-130	2.00		2.00	100	
trans-1,2-Dichloroethene	08/21/2013	02:19	70-130	1.90		2.00	95	
trans-1,3-Dichloropropene	08/21/2013	02:19	70-130	1.70		2.00	85	
Trichloroethene	08/21/2013	02:19	70-130	2.00		2.00	100	
Vinyl chloride	08/21/2013	02:19	70-130	1.80		2.00	90	

Spike Recovery: 2 out of 37 outside limits

CT LABORATORIES
delivering more than data from your environmental analyses

4A

VOLATILE METHOD BLANK SUMMARY

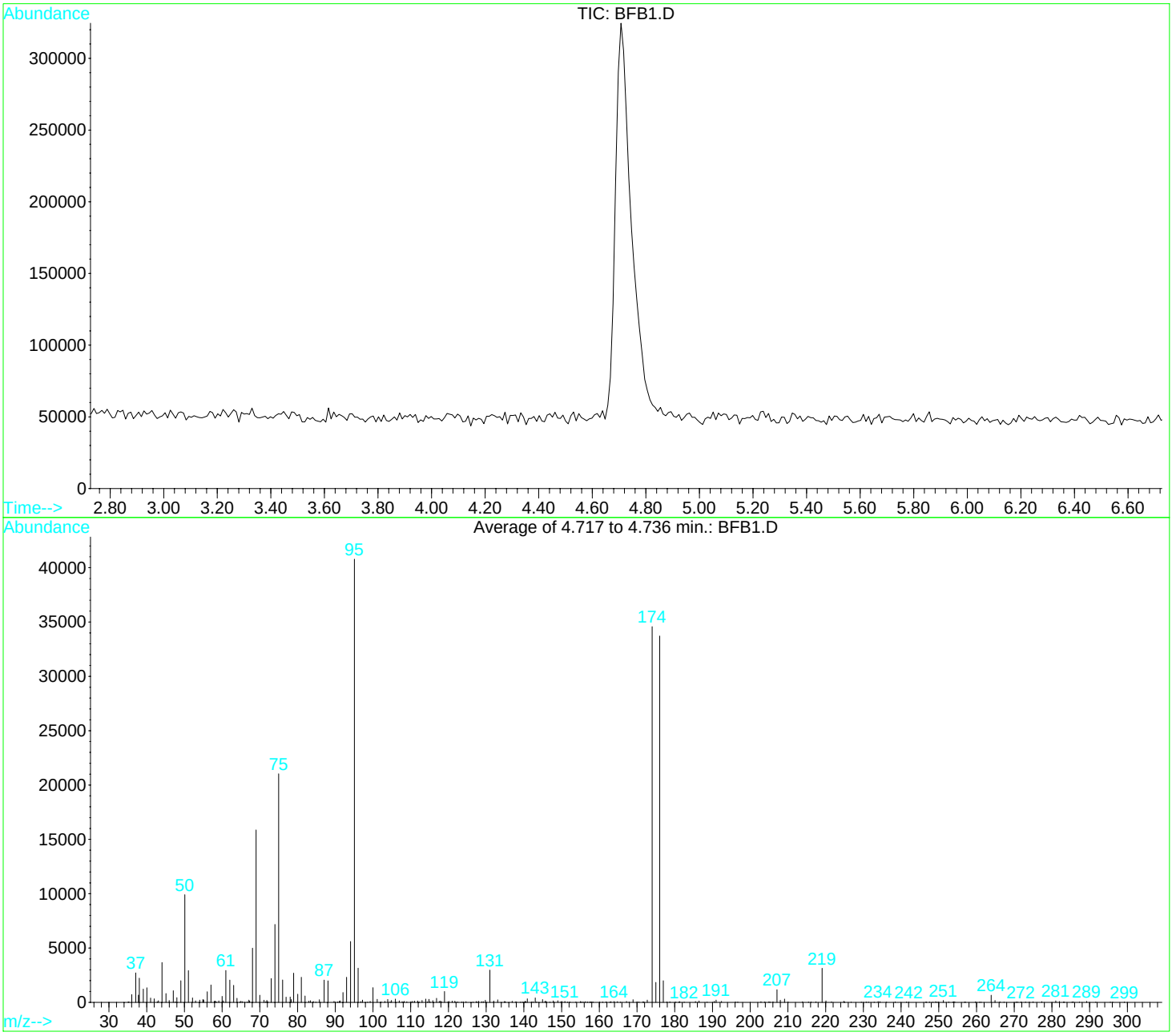
Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Sample ID:	339693	SDG No.:	99211
Matrix:	SOLID	Date Extracted:	08/20/2013
Date Analyzed:	08/20/2013	Time Analyzed:	11:00
Analytical Method:	EPA 8260C	Extraction Method:	SW5035
Analytical Run #:	96824	Extraction Batch #:	45499
		ICAL Calibration #:	LS081913

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

SEQUENCE	SAMPLE DESCRIPTION	SAMPLE ID	DATE/TIME ANALYZED
1	BFB	340067	08/20/2013 07:48
2	CCV	340120	08/20/2013 08:31
3	LCSS	339694	08/20/2013 09:34
4	MRLS	342194	08/20/2013 10:02
5	MBS	339693	08/20/2013 11:00
6	083SB-0016-0001-TB	337835	08/20/2013 11:58
7	083SB-0003M-0001-SO	337814	08/20/2013 12:26
8	083SB-0004M-0001-SO	337816	08/20/2013 12:55
9	083SB-0005M-0001-SO	337819	08/20/2013 13:24
10	083SB-0006M-0001-SO	337821	08/20/2013 13:53
11	083SB-0008M-0001-SO	337823	08/20/2013 14:22
12	083SB-0009M-0001-SO	337825	08/20/2013 14:51
13	083SB-0011M-0001-SO	337827	08/20/2013 15:21
14	083SB-0012M-0001-SO	337829	08/20/2013 15:50
15	083SB-0013M-0001-SO	337831	08/20/2013 16:19
16	083SB-0014-0001-SO	337833	08/20/2013 16:48
17	083SB-0001M-0001-SO	338807	08/20/2013 17:17
18	083SB-0002M-0001-SO	338808	08/20/2013 17:46
19	083SB-0015M-0001-SO	338810	08/20/2013 18:15
20	BFB	340727	08/20/2013 21:33
21	CCV	340730	08/20/2013 22:18
22	CCB	340890	08/20/2013 23:25
23	083SB-0018-0001-TB	337836	08/20/2013 23:54
24	083SB-0020-0001-TB	338809	08/21/2013 00:23
25	083SB-0004M-0001-SOMSS	339695	08/21/2013 00:52
26	083SB-0004M-0001-SOMSDS	339696	08/21/2013 01:21
27	MRLS	342199	08/21/2013 02:19
28	MDLS	342204	08/21/2013 02:49

Data File : M:\DATA\AUG1913\BFB1.D
Acq On : 19 Aug 2013 8:12
Sample : BFB
Misc : 50 ng
MS Integration Params: VOC.P
Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260

Vial: 1
Operator: RLD-BMS
Inst : VMS1
Multiplr: 1.00



Spectrum Information: Average of 4.717 to 4.736 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.3	9910	PASS
75	95	30	60	51.6	21035	PASS
95	95	100	100	100.0	40781	PASS
96	95	5	9	7.7	3152	PASS
173	174	0.00	2	0.6	212	PASS
174	95	50	100	84.8	34579	PASS
175	174	5	9	5.3	1837	PASS
176	174	95	101	97.5	33715	PASS
177	176	5	9	5.9	1998	PASS

pl_ilog
Injection Log Summary Report

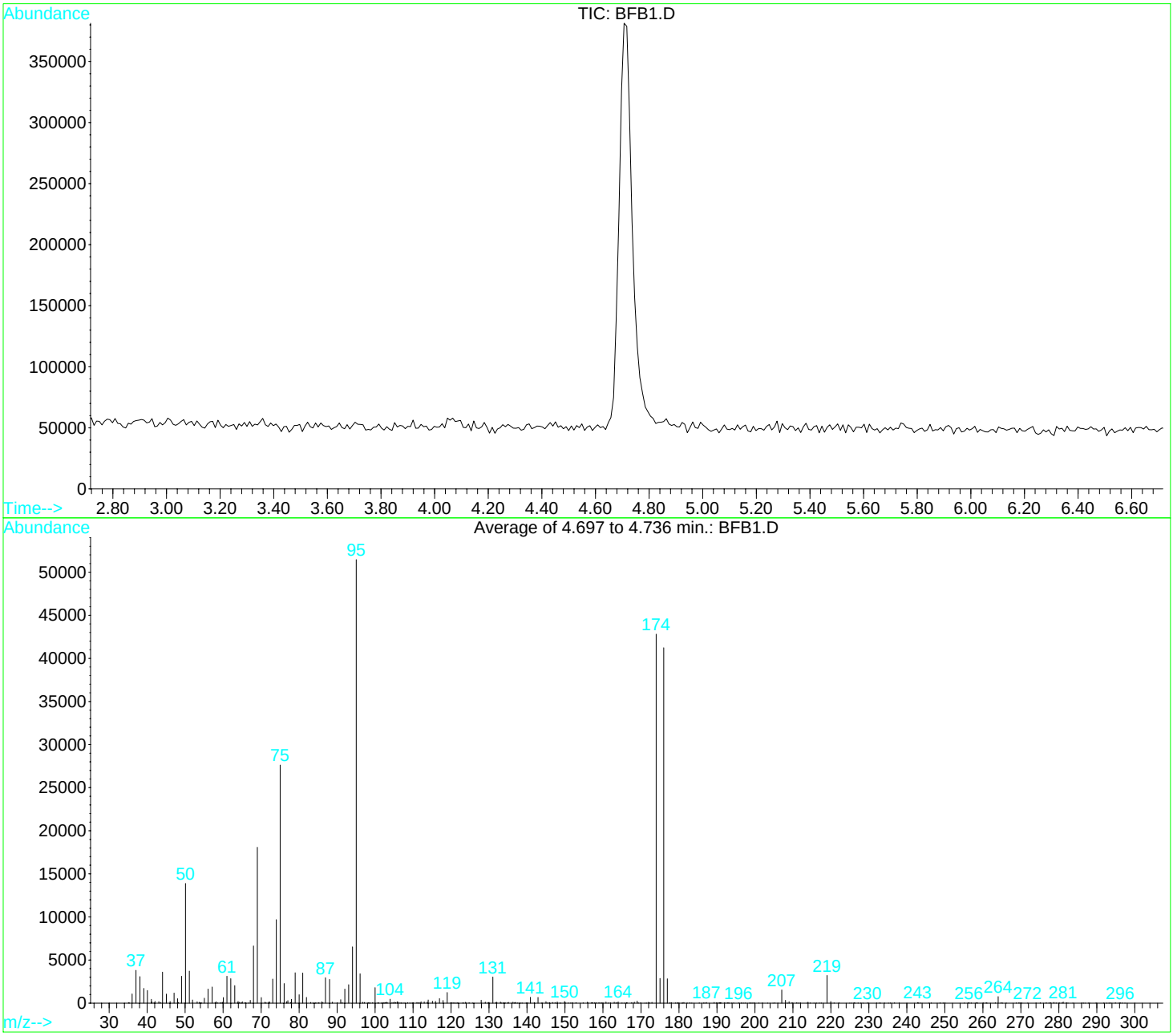
Method : M:\METHODS\LS081913.M
Title : VOC 8260
Start (Tune) File ID : M:\DATA\AUG1913\BFB1.D
Injection Date : 19 Aug 2013 Log Time Period (hrs) : ALL
Injection Time : 08:12 Total files within period : 18
Sample Directory : M:\DATA\AUG1913\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name Misc Info	Date	Time
CALLS1	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.001/0.01 mg/kg, 10	19 Aug 2013	10:07
CALLS2	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.002/0.02 mg/kg, 10	19 Aug 2013	10:36
CALLS3	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.005/0.05 mg/kg, 10	19 Aug 2013	11:05
CALLS4	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.010/0.10 mg/kg, 10	19 Aug 2013	11:33
CALLS5	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.020/0.20 mg/kg, 10	19 Aug 2013	12:02
CALLS6	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.030/0.30 mg/kg, 10	19 Aug 2013	12:31
CALLS7	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.040/0.40 mg/kg, 10	19 Aug 2013	13:00
CALLS8	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.080/0.80 mg/kg, 10	19 Aug 2013	13:58
ICV1	1.00	1.00	1.00	INITIAL CALIB. VERIF 0.010/0.1 mg/kg, 10.	19 Aug 2013	16:42
ICV2	1.00	1.00	1.00	INITIAL CALIB. VERIF 0.030/0.3 mg/kg, 10.	19 Aug 2013	17:11
ICB1	1.00	1.00	1.00	INITIAL CALIB. BLANK 10.0 mL DI Water Pur	19 Aug 2013	18:39

Data File : M:\DATA\AUG2013\BFB1.D
Acq On : 20 Aug 2013 7:48
Sample : 96824,BFB,1
Misc : 50 ng
MS Integration Params: VOC.P
Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260

Vial: 1
Operator: RLD-BMS
Inst : VMS1
Multiplr: 1.00

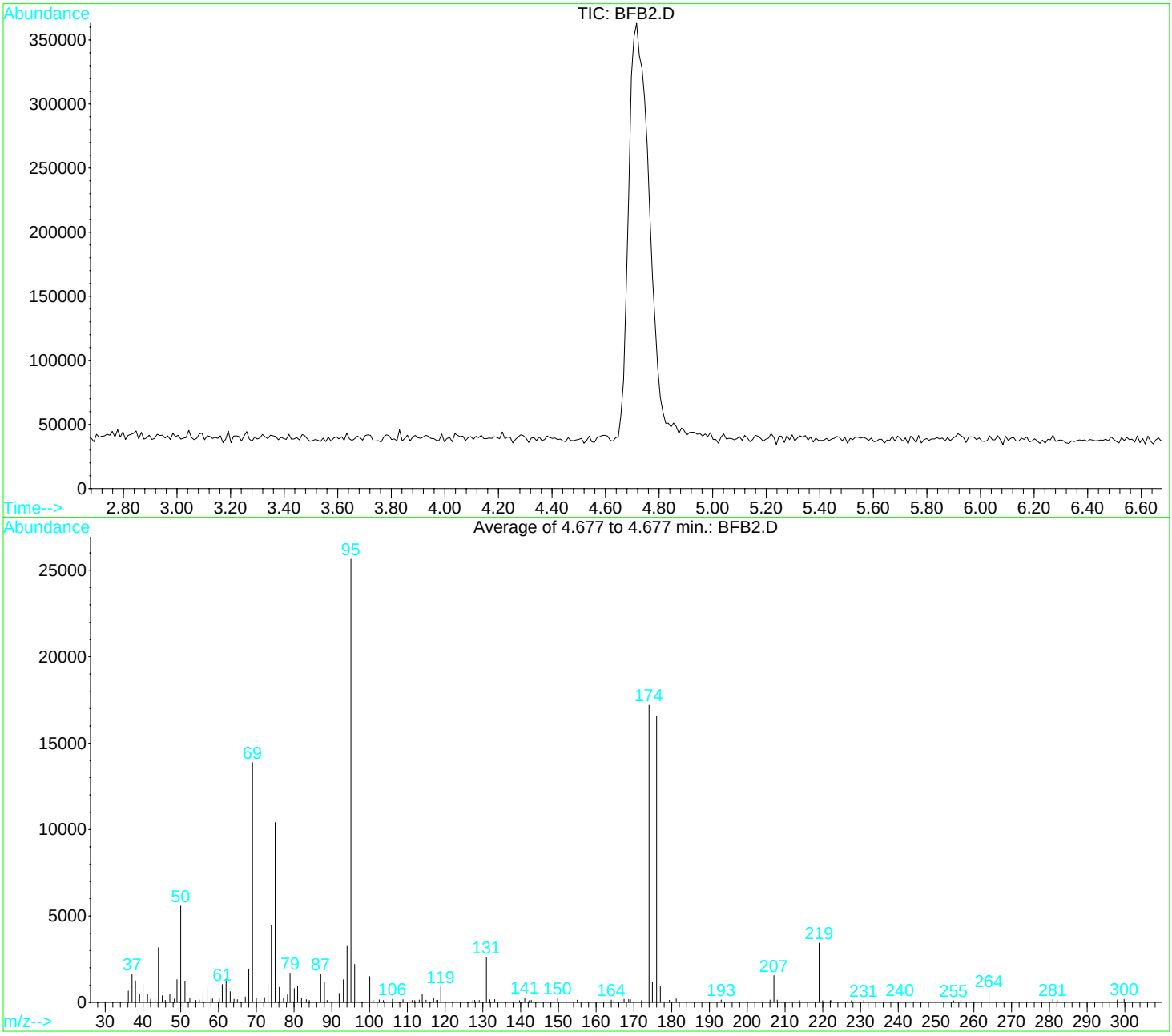


Spectrum Information: Average of 4.697 to 4.736 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	27.0	13894	PASS
75	95	30	60	53.7	27630	PASS
95	95	100	100	100.0	51458	PASS
96	95	5	9	6.6	3411	PASS
173	174	0.00	2	0.3	113	PASS
174	95	50	100	83.2	42802	PASS
175	174	5	9	6.7	2878	PASS
176	174	95	101	96.3	41224	PASS
177	176	5	9	6.9	2832	PASS

Data File : M:\DATA\AUG2013\BFB2.D
Acq On : 20 Aug 2013 21:33
Sample : 96824,BFB,1
Misc : 50 ng
MS Integration Params: VOC.P
Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260

Vial: 24
Operator: RLD-BMS
Inst : VMS1
Multiplr: 1.00



Spectrum Information: Average of 4.677 to 4.677 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	5575	PASS
75	95	30	60	40.6	10405	PASS
95	95	100	100	100.0	25640	PASS
96	95	5	9	8.6	2206	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.1	17200	PASS
175	174	5	9	6.9	1190	PASS
176	174	95	101	96.2	16552	PASS
177	176	5	9	5.7	943	PASS

Injection Log Summary Report

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Start (Tune) File ID : M:\DATA\AUG2013\BFB1.D
Injection Date : 20 Aug 2013 Log Time Period (hrs) : ALL
Injection Time : 07:48 Total files within period : 34
Sample Directory : M:\DATA\AUG2013\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name / Misc Info	Date	Time
IB1	1.00	1.00	1.00	Instrument Blank-DI H2O 10.0 mL DI Water Purged +	20 Aug 2013	08:02
CCV1	1.00	1.00	1.00	96824,CCV,1 0.010/0.10 mg/kg, 10.0 mL	20 Aug 2013	08:31
IB2	1.00	1.00	1.00	Instrument Blank-DI H2O 10.0 mL DI Water Purged +	20 Aug 2013	09:05
LCS1	1.00	1.00	1.00	96824,LCSS,1 5.0g, 0.010/0.10 mg/kg, 1	20 Aug 2013	09:34
MRL1	1.00	1.00	1.00	96824,MRLS,1 5.0g, 0.002/0.020 mg/kg,	20 Aug 2013	10:02
IB3	1.00	1.00	1.00	Instrument Blank-DI H2O 10.0 mL DI Water Purged +	20 Aug 2013	10:31
MB1	1.00	1.00	1.00	96824,MBS,1 5.00g, 10.0 mL Purged + I	20 Aug 2013	11:00
337835	1.00	1.00	1.00	96824,337835,1 5.0g, 10.0 mL Purged + IS	20 Aug 2013	11:58
337814	1.00	1.00	1.00	96824,337814,1 5.93g, 10.0 mL Purged + I	20 Aug 2013	12:26
337816	1.00	1.00	1.00	96824,337816,1 6.13g, 10.0 mL Purged + I	20 Aug 2013	12:55
337819	1.00	1.00	1.00	96824,337819,1 6.76g, 10.0 mL Purged + I	20 Aug 2013	13:24
337821	1.00	1.00	1.00	96824,337821,1 6.61g, 10.0 mL Purged + I	20 Aug 2013	13:53
337823	1.00	1.00	1.00	96824,337823,1 6.30g, 10.0 mL Purged + I	20 Aug 2013	14:22
337825	1.00	1.00	1.00	96824,337825,1 6.02g, 10.0 mL Purged + I	20 Aug 2013	14:51
337827	1.00	1.00	1.00	96824,337827,1 6.32g, 10.0 mL Purged + I	20 Aug 2013	15:21
337829	1.00	1.00	1.00	96824,337829,1 5.79g, 10.0 mL Purged + I	20 Aug 2013	15:50
337831	1.00	1.00	1.00	96824,337831,1 6.57g, 10.0 mL Purged + I	20 Aug 2013	16:19
337833	1.00	1.00	1.00	96824,337833,1 5.79g, 10.0 mL Purged + I	20 Aug 2013	16:48
338807	1.00	1.00	1.00	96824,338807,1 7.07g, 10.0 mL Purged + I	20 Aug 2013	17:17
338808	1.00	1.00	1.00	96824,338808,1 6.21g, 10.0 mL Purged + I	20 Aug 2013	17:46
338810	1.00	1.00	1.00	96824,338810,1 6.48g, 10.0 mL Purged + I	20 Aug 2013	18:15

Injection Log Summary Report

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Start (Tune) File ID : M:\DATA\AUG2013\BFB1.D
Injection Date : 20 Aug 2013 Log Time Period (hrs) : ALL
Injection Time : 07:48 Total files within period : 34
Sample Directory : M:\DATA\AUG2013\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name / Misc Info	Date	Time
BFB2	1.00	1.00	1.00	96824,BFB,1 50 ng	20 Aug 2013	21:33
IB4	1.00	1.00	1.00	Instrument Blank-DI H2O 10.0 mL DI Water Purged +	20 Aug 2013	21:48
CCV2	1.00	1.00	1.00	96824,CCV,1 0.010/0.10 mg/kg, 10.0 mL	20 Aug 2013	22:18
IB5	1.00	1.00	1.00	Instrument Blank-DI H2O 10.0 mL DI Water Purged +	20 Aug 2013	22:56
CCB1	1.00	1.00	1.00	96824,CCB,1 10.0 mL DI H2O Purged + I	20 Aug 2013	23:25
337836	1.00	1.00	1.00	96824,337836,1 5.0g, 10.0 mL Purged + IS	20 Aug 2013	23:54
338809	1.00	1.00	1.00	96824,338809,1 5.0g, 10.0 mL Purged + IS	21 Aug 2013	00:23
337816MS	1.00	1.00	1.00	96824,MSS337816,1 6.09g, 0.010/0.10 mg/kg,	21 Aug 2013	00:52
337816SD	1.00	1.00	1.00	96824,MSDS337816,1 6.22g, 0.010/0.10 mg/kg,	21 Aug 2013	01:21
IB6	1.00	1.00	1.00	Instrument Blank-DI H2O 10.0 mL DI Water Purged +	21 Aug 2013	01:50
MRL2	1.00	1.00	1.00	96824,MRLS,1 5.0g, 0.002/0.020 mg/kg,	21 Aug 2013	02:19
MDL1	1.00	1.00	1.00	96824,MDLS,1 5.0g, 0.001/0.010 mg/kg,	21 Aug 2013	02:49

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : CT Laboratories, LLC Contract :
Project : Site : Location : Group :
Lab File ID (Standard): CALLS4.D Date Analyzed : 19 Aug 2013
Instrument ID : VMS1 Time Analyzed : 11:33
GC Column : ZB-624 ID : VMS1(mm) Heated Purge (Y:N) : Y

	IS1		IS2		IS3	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	479236	7.88	340629	11.78	155589	15.06
UPPER LIMIT	958472	8.38	681258	12.28	311178	15.56
LOWER LIMIT	239618	7.38	170315	11.28	77795	14.56
File ID Sample						
337814 96824,337	631432	7.88	464463	11.79	200189	15.06
337816 96824,337	622411	7.88	436280	11.79	157511	15.07
337816MS 96824,MSS	520020	7.89	396869	11.78	149653	15.06
337816SD 96824,MSD	468085	7.89	341530	11.79	138596	15.06
337819 96824,337	607285	7.88	441661	11.79	181667	15.07
337821 96824,337	586316	7.88	403167	11.79	142086	15.07
337823 96824,337	593475	7.89	421277	11.78	165091	15.06
337825 96824,337	546222	7.88	423670	11.79	185154	15.06
337827 96824,337	570302	7.88	415345	11.79	157646	15.07
337829 96824,337	546997	7.89	422947	11.79	179956	15.06
337831 96824,337	556114	7.89	416775	11.78	180727	15.06
337833 96824,337	551035	7.88	410487	11.80	165699	15.06
337835 96824,337	649861	7.88	481018	11.79	211482	15.06
337836 96824,337	533235	7.88	402002	11.79	183129	15.07
338807 96824,338	539603	7.88	400235	11.79	177916	15.07
338808 96824,338	548197	7.89	411741	11.80	182403	15.06
338809 96824,338	521003	7.89	396473	11.79	181723	15.06
338810 96824,338	562410	7.88	427479	11.79	179158	15.07
CCB1 96824,CCB	476361	7.88	369273	11.79	161646	15.07
CCV1 96824,CCV	531229	7.88	382646	11.79	199479	15.06
CCV2 96824,CCV	580181	7.89	422026	11.79	192960	15.06
LCS1 96824,LCS	481952	7.88	353007	11.79	158508	15.06
MB1 96824,MBS	628363	7.88	467791	11.79	209216	15.06
MDL1 96824,MDL	447624	7.89	344295	11.79	153679	15.06

IS1 = FLUOROBENZENE**ISTD**
IS2 = d5-CHLOROBENZENE**ISTD**
IS3 = d4-1,4-DICHLOROBENZENE**ISTD**

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : CT Laboratories, LLC Contract :
Project : Site : Location : Group :
Lab File ID (Standard): CALLS4.D Date Analyzed : 19 Aug 2013
Instrument ID : VMS1 Time Analyzed : 11:33
GC Column : ZB-624 ID : VMS1(mm) Heated Purge (Y:N) : Y

	IS1		IS2		IS3	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	479236	7.88	340629	11.78	155589	15.06
UPPER LIMIT	958472	8.38	681258	12.28	311178	15.56
LOWER LIMIT	239618	7.38	170315	11.28	77795	14.56
File ID Sample						
MRL1 96824,MRL	478263	7.88	344616	11.79	156306	15.06
MRL2 96824,MRL	519804	7.88	393969	11.79	177713	15.07

IS1 = FLUOROBENZENE**ISTD**
IS2 = d5-CHLOROBENZENE**ISTD**
IS3 = d4-1,4-DICHLOROBENZENE**ISTD**

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

VOLATILE ORGANIC ANALYSIS
SAMPLE DATA
DOCUMENTS

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337835.D Vial: 10
Acq On : 20 Aug 2013 11:58 Operator: RLD-BMS
Sample : 96824,337835,1 Inst : VMS1
Misc : 5.0g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 12:18 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	649861	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	481018	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	211482	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	197737	0.014	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 88 %			
46) SURR12DCAd4	7.50	102	41896	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
60) SURRd8Tolule	9.86	98	626446	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.41	95	215803	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 100 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	14194	N.D.		
3) Chloromethan	2.17	50	4918	N.D.		
4) VinylChlorid	2.38	62	1601	N.D.		
5) Bromomethane	2.84	94	5488	N.D.		
6) Chloroethane	3.06	64	3137	N.D.		
7) dichloroflmethane	3.31	67	760	N.D.		
8) Trichlorofma	3.36	101	2165	N.D.		
9) Ethylether	0.00	59	0	N.D.		
10) dichlorotfluoroethan	3.31	67	760	N.D.		
11) propyleneoxide	3.90	58	799	N.D.		
12) Acrolein	4.03	56	895	N.D.		
13) 11dichlorthe	4.00	96	1511	N.D.		
14) Trichlorotfluoroeth	0.00	101	0	N.D.		
15) Acetone	4.29	43	13302	N.D.		
16) Iodomethane	4.35	142	1193	N.D.		
17) Carbon Dislf	4.38	76	8467	N.D.		
18) allylchloride	4.68	76	643	N.D.		
19) Methylacetate	0.00	74	0	N.D.		
20) Acetonitrile	4.65	41	987	N.D.		
21) Methylchlorid	4.82	84	236948	0.0079	mg/kg	90
22) tbutylalcohol	5.09	59	1029	N.D.		
23) t12dichlorte	5.19	96	723	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	5.13	53	532	N.D.		
26) Hexane	5.46	57	12028	N.D.		
27) 11dichlorota	0.00	63	0	N.D.		
28) Vinylacetate	5.83	43	561	N.D.		
29) chloroprene	0.00	53	0	N.D.		
30) Diisopether	5.78	45	1191	N.D.		
31) ETBE	0.00	59	0	N.D.		
32) 22dichloropr	6.49	77	1613	N.D.		
33) c12dichlorte	6.50	96	1150	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	6.60	54	508	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	6.85	67	823	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337835.D Vial: 10
Acq On : 20 Aug 2013 11:58 Operator: RLD-BMS
Sample : 96824,337835,1 Inst : VMS1
Misc : 5.0g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 12:18 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.88	42	4441	N.D.	
40)	Chloroform	6.99	83	574	N.D.	
41)	111trichlota	0.00	97	0	N.D.	
42)	Cyclohexane	7.08	56	819	N.D.	
44)	Carbtetraclo	7.25	119	822	N.D.	
45)	11dicloprope	0.00	110	0	N.D.	
47)	Benzene	7.54	78	1264	N.D.	
48)	12dichlorota	0.00	62	0	N.D.	
49)	TAME	7.66	73	949	N.D.	
50)	Trichloroete	8.35	95	1912	N.D.	
51)	methylcyclohexane	8.56	83	1026	N.D.	
52)	12dicloropra	8.63	63	521	N.D.	
53)	23Dicl1propene	0.00	75	0	N.D.	
54)	Dibromometha	8.78	93	671	N.D.	
55)	methylmethacrylate	8.75	69	6794	N.D.	
56)	14dioxane	0.00	88	0	N.D.	
57)	Bromodiclrma	0.00	83	0	N.D.	
58)	c13Dicloproe	9.54	75	752	N.D.	
59)	4Meth2Pentan	9.75	43	2313	N.D.	
61)	Toluene	9.96	92	1186	N.D.	
62)	t13Dicloprop	10.31	75	1109	N.D.	
63)	ethylmethacrylate	10.35	69	6843	N.D.	
64)	112Triclotha	10.46	83	656	N.D.	
65)	Tetrachlorte	0.00	166	0	N.D.	
66)	13Diclorpropa	0.00	76	0	N.D.	
68)	2Hexanone	9.75	43	2417	N.D.	
69)	Clorodibrmta	0.00	129	0	N.D.	
70)	12Dibrometha	0.00	107	0	N.D.	
71)	Chlorobenzen	11.84	112	861	N.D.	
72)	1Clhexane	11.77	91	1620	N.D.	
73)	1112Tetclota	11.94	131	2439	N.D.	
74)	Ethylbenzene	11.96	91	742	N.D.	
75)	m p-Xylene	12.11	106	1164	N.D.	
76)	o-Xylene	0.00	106	0	N.D.	
77)	Styrene	12.69	104	907	N.D.	
78)	Bromoform	0.00	173	0	N.D.	
79)	Isopropylben	13.17	105	733	N.D.	
81)	cyclohexanone	13.40	55	1764	N.D.	
83)	Bromobenzene	0.00	156	0	N.D.	
84)	1122Tetrclta	0.00	83	0	N.D.	
85)	123Triclproa	13.72	75	1137	N.D.	
86)	n-Propylbenz	13.75	91	1170	N.D.	
87)	2chlorotolue	0.00	91	0	N.D.	
88)	4chlorotolue	14.02	91	948	N.D.	
89)	135Trimebenz	14.00	105	581	N.D.	
90)	tbutylbenzen	14.48	119	1498	N.D.	
91)	124Trimetben	14.54	105	768	N.D.	
92)	sbutylbenzen	14.79	105	656	N.D.	
93)	13Diclorbenz	14.97	146	825	N.D.	
94)	pIsopropylto	14.97	119	671	N.D.	
95)	14dichlorobe	15.09	146	1365	N.D.	
96)	12dichlorobe	15.66	146	694	N.D.	
97)	nButylbenzen	15.56	91	1430	N.D.	
98)	12dibromo3cl	0.00	157	0	N.D.	
99)	135Trichlorobenzene	0.00	180	0	N.D.	
100)	124Trichlobe	17.82	180	1215	N.D.	
101)	Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337835.D Vial: 10
Acq On : 20 Aug 2013 11:58 Operator: RLD-BMS
Sample : 96824,337835,1 Inst : VMS1
Misc : 5.0g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 12:18 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

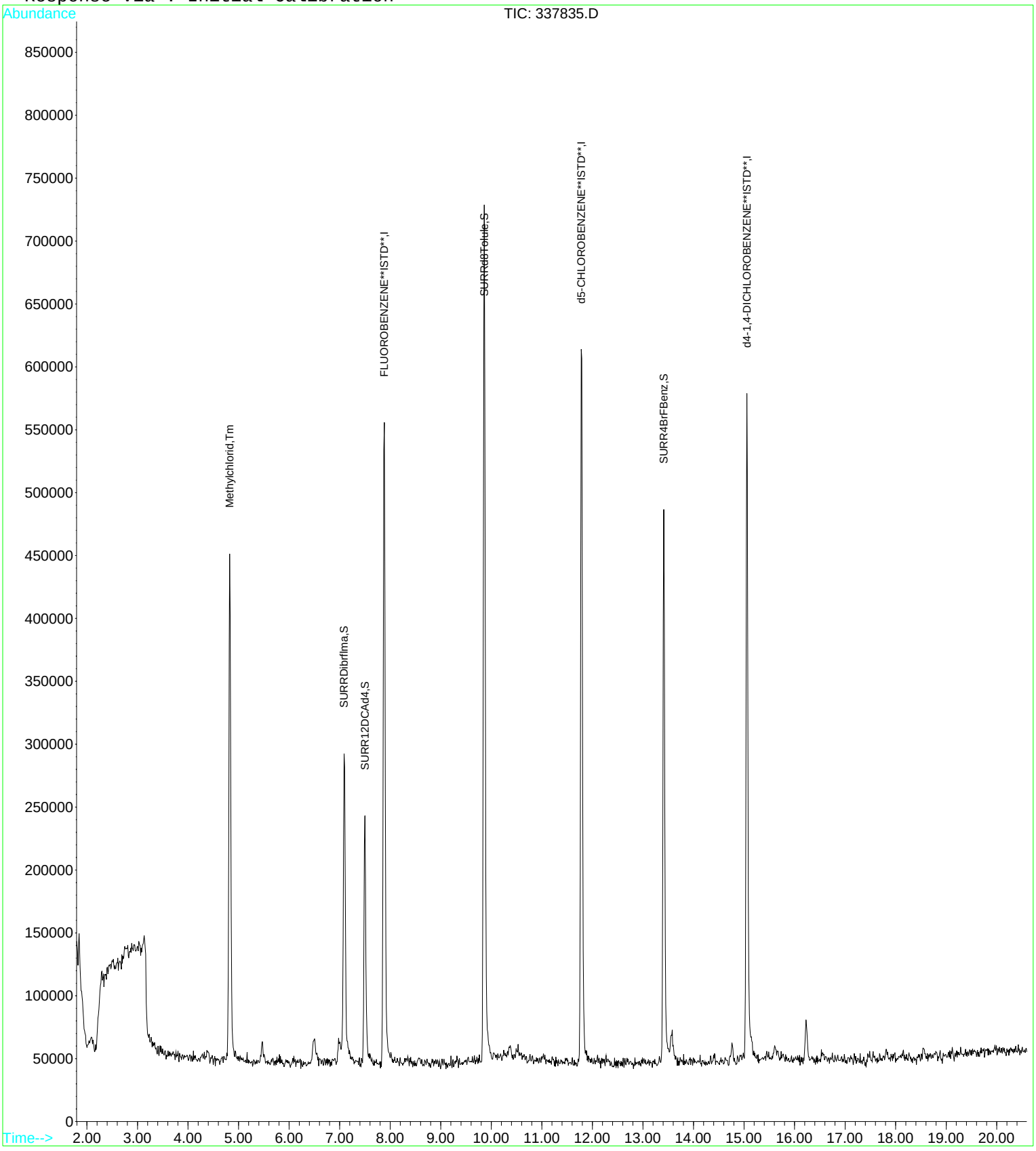
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	4069	N.D.	
103) 123Trichlben	0.00	180	0	N.D.	

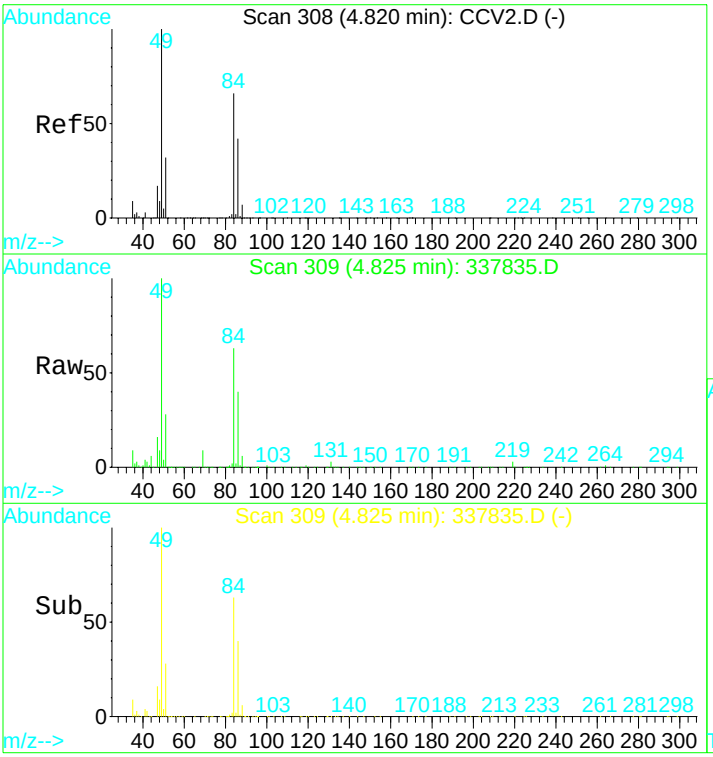
(#) = qualifier out of range (m) = manual integration
337835.D LS081913.M Thu Aug 22 12:39:37 2013 Page 84 Page 3

Quantitation Report

Data File : M:\DATA\AUG2013\337835.D Vial: 10
Acq On : 20 Aug 2013 11:58 Operator: RLD-BMS
Sample : 96824,337835,1 Inst : VMS1
Misc : 5.0g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 12:18 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

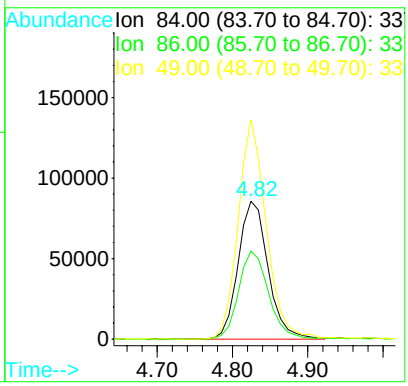




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.82 min Scan# 309
Delta R.T. -0.00 min
Lab File: 337835.D
Acq: 20 Aug 2013 11:58

Tgt Ion: 84 Resp: 236948

Ion	Ratio	Lower	Upper
84	100		
86	64.0	45.7	85.7
49	148.9	146.2	186.2



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337814.D Vial: 11
Acq On : 20 Aug 2013 12:26 Operator: RLD-BMS
Sample : 96824,337814,1 Inst : VMS1
Misc : 5.93g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 12:47 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	631432	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	464463	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	200189	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	199659	0.014	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 88 %			
46) SURR12DCAd4	7.50	102	43323	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
60) SURRd8Tolule	9.86	98	608412	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.41	95	214594	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 100 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	13292	N.D.		
3) Chloromethan	2.16	50	3982	N.D.		
4) VinylChlorid	0.00	62	0	N.D.		
5) Bromomethane	2.80	94	6700	N.D.		
6) Chloroethane	2.93	64	3097	N.D.		
7) dichloroflmethane	3.31	67	1048	N.D.		
8) Trichlorofma	3.36	101	3020	N.D.		
9) Ethylether	3.87	59	518	N.D.		
10) dichlorotfluoroethan	3.31	67	1048	N.D.		
11) propyleneoxide	3.90	58	1065	N.D.		
12) Acrolein	4.04	56	2016	N.D.		
13) 11dichlorthe	4.12	96	1044	N.D.		
14) Trichlorotfluoroeth	4.12	101	727	N.D.		
15) Acetone	4.31	43	9072	N.D.		
16) Iodomethane	0.00	142	0	N.D.		
17) Carbon Dislf	4.37	76	2720	N.D.		
18) allylchloride	4.55	76	780	N.D.		
19) Methylacetate	0.00	74	0	N.D.		
20) Acetonitrile	4.61	41	715	N.D.		
21) Methylchlorid	4.82	84	203008	0.0070	mg/kg#	88
22) tbutylalcohol	5.05	59	803	N.D.		
23) t12dichlorte	5.16	96	775	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	5.17	53	1159	N.D.		
26) Hexane	5.47	57	8016	N.D.		
27) 11dichlorota	0.00	63	0	N.D.		
28) Vinylacetate	5.81	43	1931	N.D.		
29) chloroprene	5.77	53	587	N.D.		
30) Diisopether	0.00	45	0	N.D.		
31) ETBE	6.27	59	526	N.D.		
32) 22dichloropr	6.50	77	4194	N.D.		
33) c12dichlorte	6.48	96	1112	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	0.00	54	0	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	0.00	67	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337814.D Vial: 11
Acq On : 20 Aug 2013 12:26 Operator: RLD-BMS
Sample : 96824,337814,1 Inst : VMS1
Misc : 5.93g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 12:47 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.85	42	4658	N.D.	
40)	Chloroform	6.88	83	929	N.D.	
41)	111trichlota	0.00	97	0	N.D.	
42)	Cyclohexane	7.14	56	1255	N.D.	
44)	Carbtetraclo	7.26	119	1286	N.D.	
45)	11dicloprope	7.35	110	529	N.D.	
47)	Benzene	7.52	78	1634	N.D.	
48)	12dichlorota	7.50	62	621	N.D.	
49)	TAME	7.59	73	670	N.D.	
50)	Trichloroete	8.35	95	532	N.D.	
51)	methylcyclohexane	0.00	83	0	N.D.	
52)	12dicloropra	0.00	63	0	N.D.	
53)	23Dicl1propene	8.75	75	703	N.D.	
54)	Dibromometha	8.82	93	1580	N.D.	
55)	methylmethacrylate	8.77	69	6226	N.D.	
56)	14dioxane	0.00	88	0	N.D.	
57)	Bromodiclrma	0.00	83	0	N.D.	
58)	c13Dicloproe	0.00	75	0	N.D.	
59)	4Meth2Pentan	9.73	43	3046	N.D.	
61)	Toluene	9.94	92	2206	N.D.	
62)	t13Dicloprop	10.25	75	544	N.D.	
63)	ethylmethacrylate	10.35	69	4946	N.D.	
64)	112Triclotha	0.00	83	0	N.D.	
65)	Tetrachlorte	0.00	166	0	N.D.	
66)	13Diclorpropa	10.70	76	580	N.D.	
68)	2Hexanone	9.73	43	3046	N.D.	
69)	Clorodibrmta	0.00	129	0	N.D.	
70)	12Dibrometha	11.24	107	551	N.D.	
71)	Chlorobenzen	11.83	112	920	N.D.	
72)	1Clhexane	11.79	91	1384	N.D.	
73)	1112Tetclota	11.96	131	1604	N.D.	
74)	Ethylbenzene	11.95	91	696	N.D.	
75)	m p-Xylene	12.09	106	1153	N.D.	
76)	o-Xylene	0.00	106	0	N.D.	
77)	Styrene	12.71	104	518	N.D.	
78)	Bromoform	0.00	173	0	N.D.	
79)	Isopropylben	0.00	105	0	N.D.	
81)	cyclohexanone	13.41	55	1519	N.D.	
83)	Bromobenzene	0.00	156	0	N.D.	
84)	1122Tetrclta	0.00	83	0	N.D.	
85)	123Triclproa	13.64	75	629	N.D.	
86)	n-Propylbenz	13.78	91	536	N.D.	
87)	2chlorotolue	13.78	91	536	N.D.	
88)	4chlorotolue	14.05	91	793	N.D.	
89)	135Trimebenz	13.98	105	1124	N.D.	
90)	tbutylbenzen	14.44	119	820	N.D.	
91)	124Trimetben	14.55	105	1283	N.D.	
92)	sbutylbenzen	14.66	105	756	N.D.	
93)	13Diclorbenz	0.00	146	0	N.D.	
94)	pIsopropylto	14.95	119	1954	N.D.	
95)	14dichlorobe	15.11	146	1391	N.D.	
96)	12dichlorobe	15.66	146	698	N.D.	
97)	nButylbenzen	15.59	91	599	N.D.	
98)	12dibromo3cl	0.00	157	0	N.D.	
99)	135Trichlorobenzene	17.02	180	633	N.D.	
100)	124Trichlobe	17.83	180	758	N.D.	
101)	Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337814.D Vial: 11
Acq On : 20 Aug 2013 12:26 Operator: RLD-BMS
Sample : 96824,337814,1 Inst : VMS1
Misc : 5.93g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 12:47 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

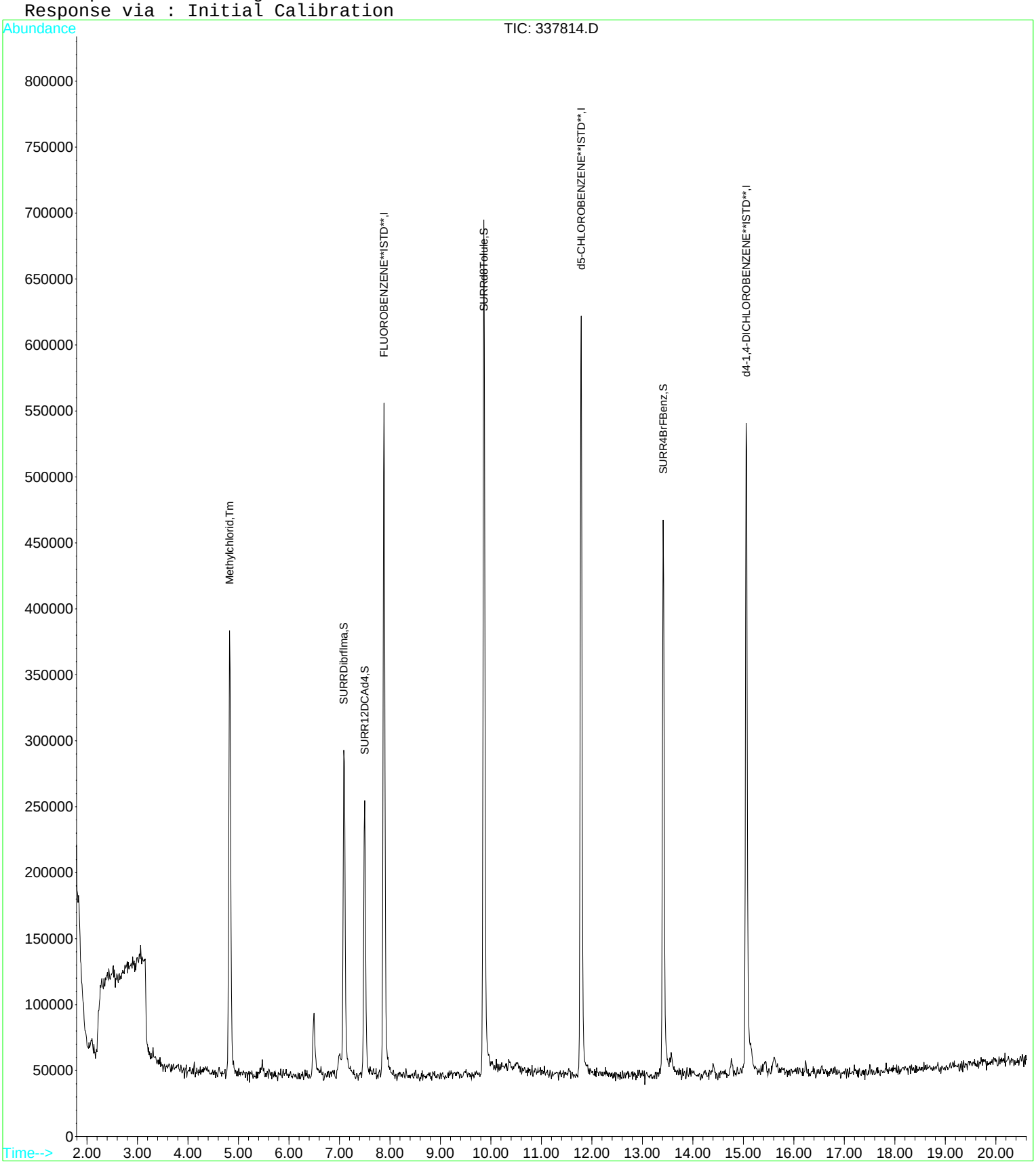
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	4053	N.D.	
103) 123Trichlben	18.47	180	965	N.D.	

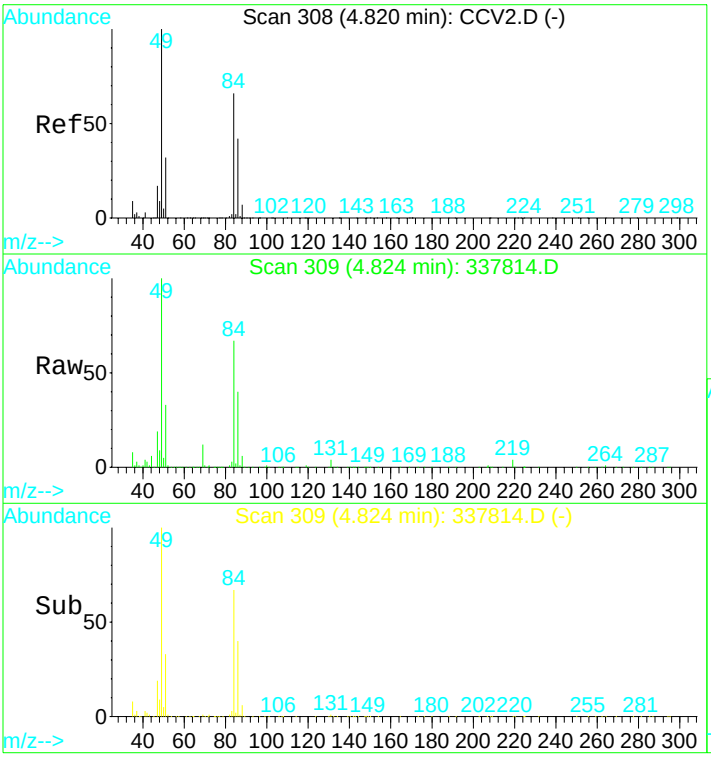
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG2013\337814.D Vial: 11
Acq On : 20 Aug 2013 12:26 Operator: RLD-BMS
Sample : 96824,337814,1 Inst : VMS1
Misc : 5.93g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 12:47 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

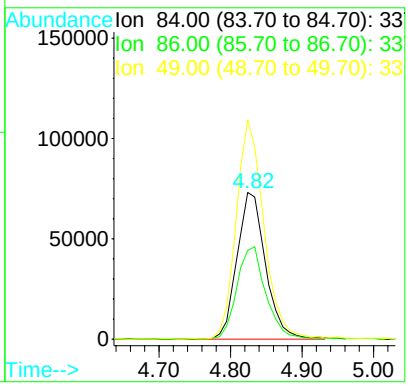




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.82 min Scan# 309
Delta R.T. -0.00 min
Lab File: 337814.D
Acq: 20 Aug 2013 12:26

Tgt Ion: 84 Resp: 203008

Ion	Ratio	Lower	Upper
84	100		
86	63.7	45.7	85.7
49	144.7	146.2	186.2#



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337816.D Vial: 12
Acq On : 20 Aug 2013 12:55 Operator: RLD-BMS
Sample : 96824,337816,1 Inst : VMS1
Misc : 6.13g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 13:16 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	622411	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	436280	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.07	152	157511	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	206076	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
46) SURR12DCAd4	7.50	102	44338	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 106 %			
60) SURRd8Tolule	9.86	98	591577	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.41	95	184622	0.018	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 113 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	11034	N.D.		
3) Chloromethan	0.00	50	0	N.D.		
4) VinylChlorid	2.26	62	1025	N.D.		
5) Bromomethane	2.89	94	5336	N.D.		
6) Chloroethane	3.01	64	6902	N.D.		
7) dichloroflmethane	3.36	67	570	N.D.		
8) Trichlorofma	3.33	101	2560	N.D.		
9) Ethylether	0.00	59	0	N.D.		
10) dichlorotfluoroethan	3.36	67	570	N.D.		
11) propyleneoxide	3.90	58	597	N.D.		
12) Acrolein	4.01	56	1044	N.D.		
13) 11dichlorthe	4.18	96	2342	N.D.		
14) Trichlorotfluoroeth	0.00	101	0	N.D.		
15) Acetone	4.28	43	9188	N.D.		
16) Iodomethane	4.43	142	862	N.D.		
17) Carbon Dislf	4.38	76	2647	N.D.		
18) allylchloride	4.71	76	742	N.D.		
19) Methylacetate	0.00	74	0	N.D.		
20) Acetonitrile	4.64	41	1006	N.D.		
21) Methylchlorid	4.82	84	185421	0.0065	mg/kg	92
22) tbutylalcohol	5.08	59	1233	N.D.		
23) t12dichlorte	5.17	96	1263	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	0.00	53	0	N.D.		
26) Hexane	5.47	57	8711	N.D.		
27) 11dichlorota	0.00	63	0	N.D.		
28) Vinylacetate	5.79	43	1565	N.D.		
29) chloroprene	0.00	53	0	N.D.		
30) Diisopether	0.00	45	0	N.D.		
31) ETBE	0.00	59	0	N.D.		
32) 22dichloropr	6.43	77	550	N.D.		
33) c12dichlorte	6.43	96	1155	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	6.70	54	877	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	6.67	67	583	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337816.D Vial: 12
Acq On : 20 Aug 2013 12:55 Operator: RLD-BMS
Sample : 96824,337816,1 Inst : VMS1
Misc : 6.13g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 13:16 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.87	42	6624	N.D.	
40)	Chloroform	0.00	83	0	N.D.	
41)	111trichlota	0.00	97	0	N.D.	
42)	Cyclohexane	7.15	56	645	N.D.	
44)	Carbtetraclo	7.26	119	948	N.D.	
45)	11dicloprope	0.00	110	0	N.D.	
47)	Benzene	7.53	78	2325	N.D.	
48)	12dichlorota	7.52	62	755	N.D.	
49)	TAME	7.65	73	584	N.D.	
50)	Trichloroete	8.41	95	657	N.D.	
51)	methylcyclohexane	0.00	83	0	N.D.	
52)	12dicloropra	0.00	63	0	N.D.	
53)	23Dicl1propene	8.66	75	654	N.D.	
54)	Dibromometha	8.79	93	999	N.D.	
55)	methylmethacrylate	8.74	69	4687	N.D.	
56)	14dioxane	0.00	88	0	N.D.	
57)	Bromodiclrma	0.00	83	0	N.D.	
58)	c13Dicloproe	0.00	75	0	N.D.	
59)	4Meth2Pentan	9.72	43	1521	N.D.	
61)	Toluene	9.94	92	1733	N.D.	
62)	t13Dicloprop	0.00	75	0	N.D.	
63)	ethylmethacrylate	10.34	69	4811	N.D.	
64)	112Triclotha	0.00	83	0	N.D.	
65)	Tetrachlorte	0.00	166	0	N.D.	
66)	13Diclorpropa	0.00	76	0	N.D.	
68)	2Hexanone	9.72	43	1521	N.D.	
69)	Clorodibrmta	0.00	129	0	N.D.	
70)	12Dibrometha	0.00	107	0	N.D.	
71)	Chlorobenzen	0.00	112	0	N.D.	
72)	1Clhexane	11.78	91	1527	N.D.	
73)	1112Tetclota	11.98	131	1243	N.D.	
74)	Ethylbenzene	11.97	91	1520	N.D.	
75)	m p-Xylene	12.13	106	923	N.D.	
76)	o-Xylene	12.69	106	544	N.D.	
77)	Styrene	12.70	104	607	N.D.	
78)	Bromoform	0.00	173	0	N.D.	
79)	Isopropylben	0.00	105	0	N.D.	
81)	cyclohexanone	13.44	55	1005	N.D.	
83)	Bromobenzene	0.00	156	0	N.D.	
84)	1122Tetrclta	0.00	83	0	N.D.	
85)	123Triclproa	13.70	75	711	N.D.	
86)	n-Propylbenz	13.76	91	932	N.D.	
87)	2chlorotolue	13.90	91	777	N.D.	
88)	4chlorotolue	14.04	91	1249	N.D.	
89)	135Trimebenz	0.00	105	0	N.D.	
90)	tbutylbenzen	14.43	119	3787	N.D.	
91)	124Trimetben	0.00	105	0	N.D.	
92)	sbutylbenzen	0.00	105	0	N.D.	
93)	13Diclorbenz	14.98	146	733	N.D.	
94)	pIsopropylto	14.98	119	863	N.D.	
95)	14dichlorobe	15.12	146	1120	N.D.	
96)	12dichlorobe	15.64	146	505	N.D.	
97)	nButylbenzen	15.59	91	768	N.D.	
98)	12dibromo3cl	0.00	157	0	N.D.	
99)	135Trichlorobenzene	0.00	180	0	N.D.	
100)	124Trichlobe	0.00	180	0	N.D.	
101)	Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337816.D Vial: 12
Acq On : 20 Aug 2013 12:55 Operator: RLD-BMS
Sample : 96824,337816,1 Inst : VMS1
Misc : 6.13g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 13:16 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

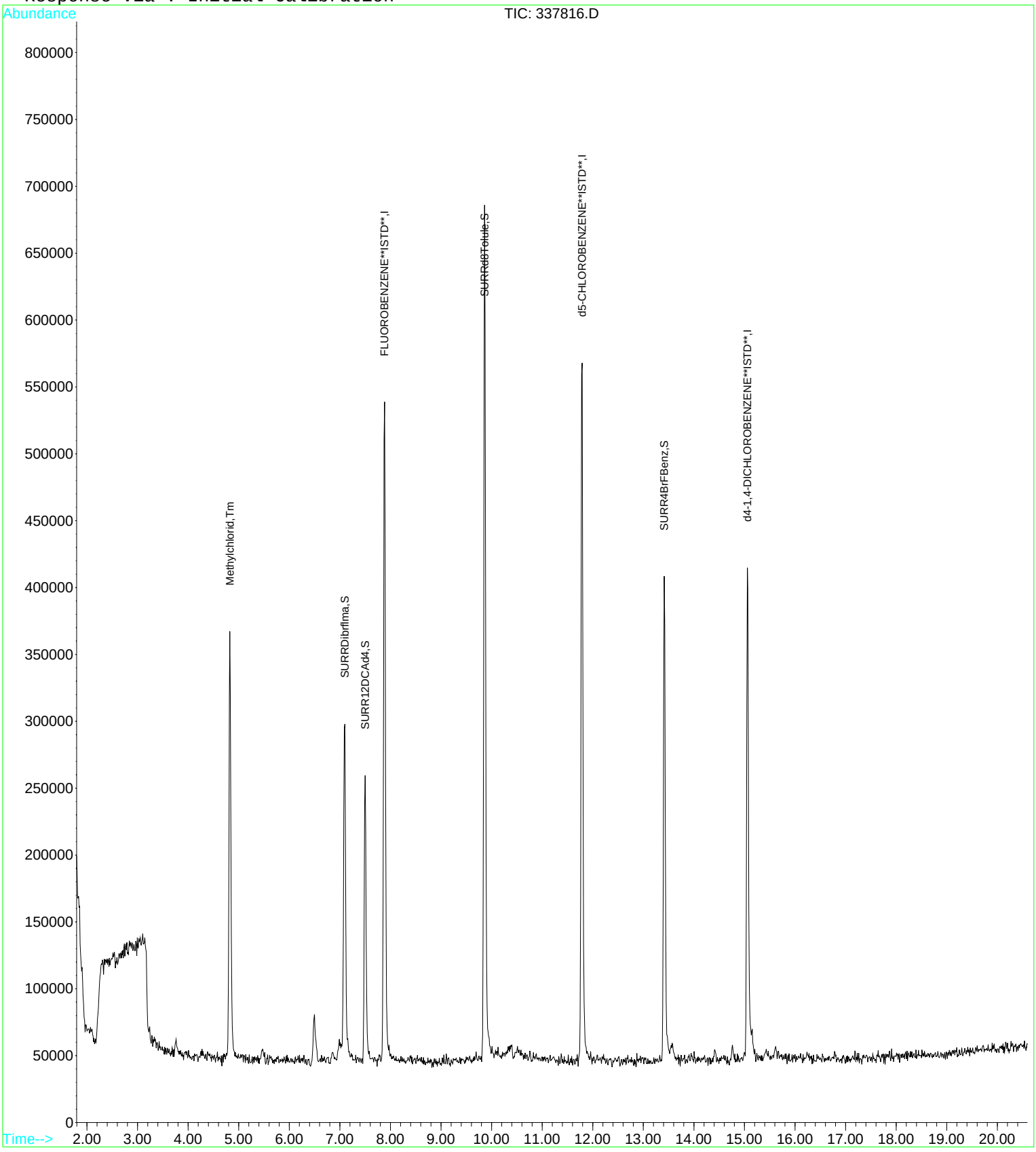
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	2924	N.D.	
103) 123Trichlben	18.46	180	830	N.D.	

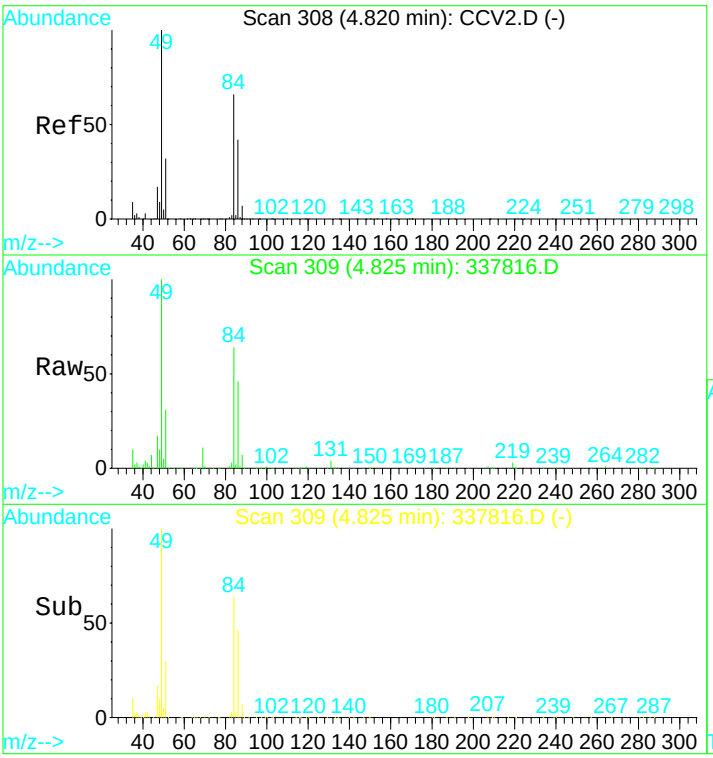
(#) = qualifier out of range (m) = manual integration
337816.D LS081913.M Thu Aug 22 12:37:54 2013 Page 94 Page 3

Quantitation Report

Data File : M:\DATA\AUG2013\337816.D Vial: 12
Acq On : 20 Aug 2013 12:55 Operator: RLD-BMS
Sample : 96824,337816,1 Inst : VMS1
Misc : 6.13g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 13:16 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

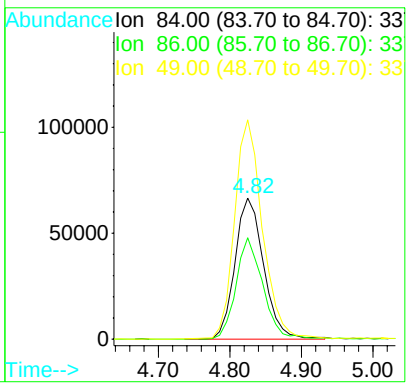




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.82 min Scan# 309
Delta R.T. -0.00 min
Lab File: 337816.D
Acq: 20 Aug 2013 12:55

Tgt Ion: 84 Resp: 185421

Ion	Ratio	Lower	Upper
84	100		
86	67.3	45.7	85.7
49	151.6	146.2	186.2



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337819.D Vial: 13
Acq On : 20 Aug 2013 13:24 Operator: RLD-BMS
Sample : 96824,337819,1 Inst : VMS1
Misc : 6.76g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 13:45 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	607285	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	441661	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.07	152	181667	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.10	113	193802	0.014	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 88 %			
46) SURR12DCAd4	7.50	102	40869	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
60) SURRd8Tolule	9.86	98	576333	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.41	95	202670	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 106 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	13344	N.D.		
3) Chloromethan	2.16	50	3658	N.D.		
4) VinylChlorid	2.28	62	2533	N.D.		
5) Bromomethane	2.82	94	3882	N.D.		
6) Chloroethane	3.01	64	1769	N.D.		
7) dichloroflmethane	3.35	67	526	N.D.		
8) Trichlorofma	3.35	101	2464	N.D.		
9) Ethylether	0.00	59	0	N.D.		
10) dichlorotfluoroethan	3.35	67	526	N.D.		
11) propyleneoxide	3.86	58	539	N.D.		
12) Acrolein	4.06	56	504	N.D.		
13) 11dichlorthe	4.19	96	1951	N.D.		
14) Trichlorotfluoroeth	0.00	101	0	N.D.		
15) Acetone	4.29	43	8832	N.D.		
16) Iodomethane	4.37	142	1036	N.D.		
17) Carbon Dislf	4.38	76	2684	N.D.		
18) allylchloride	0.00	76	0	N.D.		
19) Methylacetate	0.00	74	0	N.D.		
20) Acetonitrile	4.62	41	1022	N.D.		
21) Methylchlorid	4.82	84	186056	0.0066	mg/kg	91
22) tbutylalcohol	5.08	59	1082	N.D.		
23) t12dichlorte	5.22	96	834	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	5.16	53	545	N.D.		
26) Hexane	5.47	57	6420	N.D.		
27) 11dichlorota	0.00	63	0	N.D.		
28) Vinylacetate	5.84	43	1631	N.D.		
29) chloroprene	0.00	53	0	N.D.		
30) Diisopether	5.82	45	1249	N.D.		
31) ETBE	0.00	59	0	N.D.		
32) 22dichloropr	6.43	77	1165	N.D.		
33) c12dichlorte	6.42	96	601	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	6.67	54	541	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	6.66	67	538	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337819.D Vial: 13
Acq On : 20 Aug 2013 13:24 Operator: RLD-BMS
Sample : 96824,337819,1 Inst : VMS1
Misc : 6.76g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 13:45 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.85	42	3935	N.D.	
40)	Chloroform	6.90	83	571	N.D.	
41)	111trichlota	0.00	97	0	N.D.	
42)	Cyclohexane	7.08	56	1833	N.D.	
44)	Carbtetraclo	7.24	119	572	N.D.	
45)	11dicloprope	7.33	110	510	N.D.	
47)	Benzene	7.50	78	1443	N.D.	
48)	12dichlorota	0.00	62	0	N.D.	
49)	TAME	7.55	73	836	N.D.	
50)	Trichloroete	8.32	95	598	N.D.	
51)	methylcyclohexane	0.00	83	0	N.D.	
52)	12dicloropra	8.67	63	739	N.D.	
53)	23Dicl1propene	0.00	75	0	N.D.	
54)	Dibromometha	8.81	93	553	N.D.	
55)	methylmethacrylate	8.78	69	4870	N.D.	
56)	14dioxane	0.00	88	0	N.D.	
57)	Bromodiclrma	0.00	83	0	N.D.	
58)	c13Dicloproe	9.51	75	684	N.D.	
59)	4Meth2Pentan	9.74	43	571	N.D.	
61)	Toluene	9.95	92	1152	N.D.	
62)	t13Dicloprop	10.28	75	751	N.D.	
63)	ethylmethacrylate	10.32	69	1821	N.D.	
64)	112Triclotha	0.00	83	0	N.D.	
65)	Tetrachlorte	0.00	166	0	N.D.	
66)	13Diclorpropa	10.73	76	825	N.D.	
68)	2Hexanone	9.74	43	571	N.D.	
69)	Clorodibrmta	0.00	129	0	N.D.	
70)	12Dibrometha	0.00	107	0	N.D.	
71)	Chlorobenzen	11.82	112	682	N.D.	
72)	1Clhexane	11.80	91	1503	N.D.	
73)	1112Tetclota	11.98	131	3393	N.D.	
74)	Ethylbenzene	11.98	91	986	N.D.	
75)	m p-Xylene	12.11	106	718	N.D.	
76)	o-Xylene	0.00	106	0	N.D.	
77)	Styrene	12.72	104	683	N.D.	
78)	Bromoform	0.00	173	0	N.D.	
79)	Isopropylben	0.00	105	0	N.D.	
81)	cyclohexanone	13.38	55	1281	N.D.	
83)	Bromobenzene	0.00	156	0	N.D.	
84)	1122Tetrclta	0.00	83	0	N.D.	
85)	123Triclproa	13.75	75	907	N.D.	
86)	n-Propylbenz	13.76	91	516	N.D.	
87)	2chlorotolue	13.89	91	812	N.D.	
88)	4chlorotolue	14.05	91	908	N.D.	
89)	135Trimebenz	0.00	105	0	N.D.	
90)	tbutylbenzen	14.49	119	2873	N.D.	
91)	124Trimetben	14.52	105	607	N.D.	
92)	sbutylbenzen	14.78	105	617	N.D.	
93)	13Diclorbenz	0.00	146	0	N.D.	
94)	pIsopropylto	14.98	119	885	N.D.	
95)	14dichlorobe	15.10	146	759	N.D.	
96)	12dichlorobe	0.00	146	0	N.D.	
97)	nButylbenzen	15.57	91	587	N.D.	
98)	12dibromo3cl	0.00	157	0	N.D.	
99)	135Trichlorobenzene	0.00	180	0	N.D.	
100)	124Trichlobe	0.00	180	0	N.D.	
101)	Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337819.D Vial: 13
Acq On : 20 Aug 2013 13:24 Operator: RLD-BMS
Sample : 96824,337819,1 Inst : VMS1
Misc : 6.76g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 13:45 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

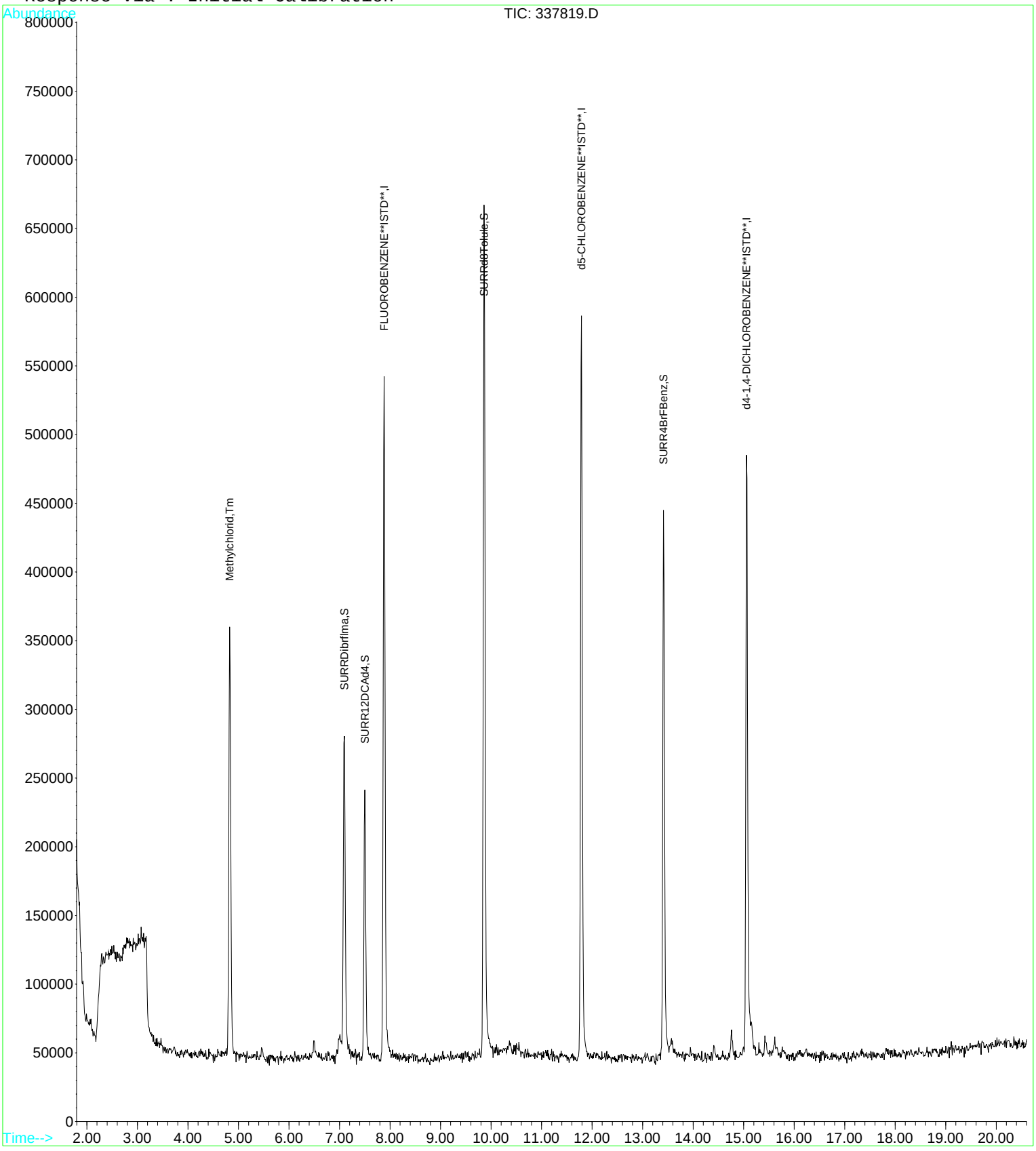
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	3206	N.D.	
103) 123Trichlben	18.45	180	587	N.D.	

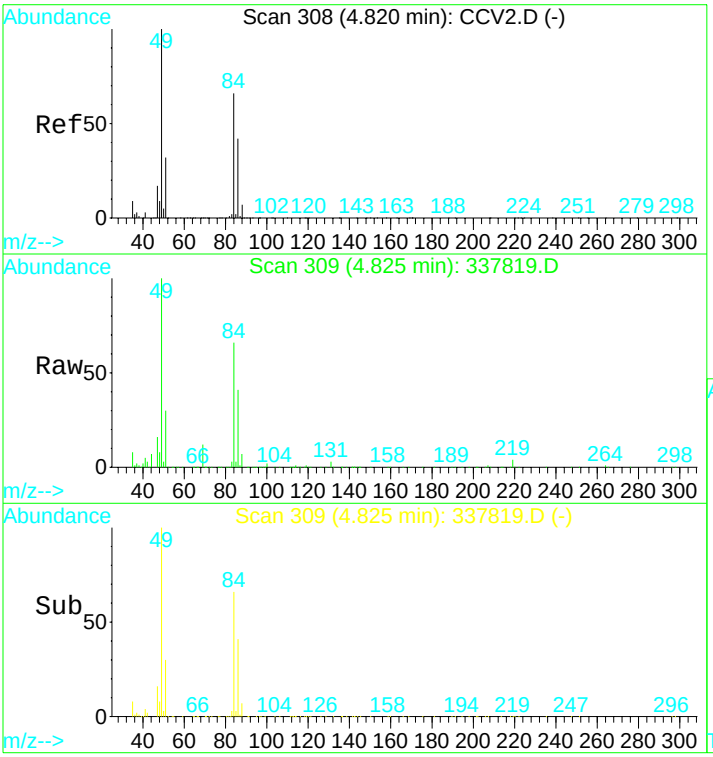
(#) = qualifier out of range (m) = manual integration
337819.D LS081913.M Thu Aug 22 12:38:10 2013 Page 99 Page 3

Quantitation Report

Data File : M:\DATA\AUG2013\337819.D Vial: 13
Acq On : 20 Aug 2013 13:24 Operator: RLD-BMS
Sample : 96824,337819,1 Inst : VMS1
Misc : 6.76g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 13:45 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

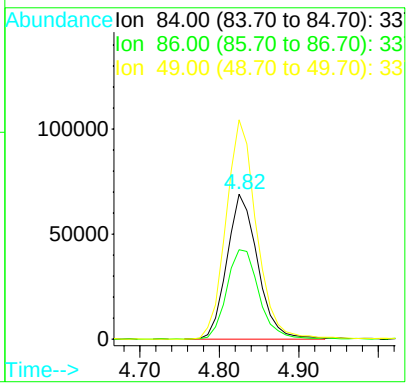




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.82 min Scan# 309
Delta R.T. -0.00 min
Lab File: 337819.D
Acq: 20 Aug 2013 13:24

Tgt Ion: 84 Resp: 186056

Ion	Ratio	Lower	Upper
84	100		
86	64.4	45.7	85.7
49	149.4	146.2	186.2



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337821.D Vial: 14
Acq On : 20 Aug 2013 13:53 Operator: RLD-BMS
Sample : 96824,337821,1 Inst : VMS1
Misc : 6.61g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 14:14 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	586316	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	403167	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.07	152	142086	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.10	113	181948	0.014	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 88 %			
46) SURR12DCAd4	7.50	102	39278	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
60) SURRd8Tolule	9.86	98	555522	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.41	95	171343	0.019	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 119 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	14403	N.D.		
3) Chloromethan	2.15	50	4470	N.D.		
4) VinylChlorid	0.00	62	0	N.D.		
5) Bromomethane	2.90	94	2526	N.D.		
6) Chloroethane	2.93	64	1616	N.D.		
7) dichloroflmethane	3.24	67	748	N.D.		
8) Trichlorofma	3.33	101	2192	N.D.		
9) Ethylether	3.82	59	580	N.D.		
10) dichlorotfluoroethan	3.24	67	748	N.D.		
11) propyleneoxide	3.91	58	548	N.D.		
12) Acrolein	4.01	56	1340	N.D.		
13) 11dichlorthe	4.17	96	2404	N.D.		
14) Trichlorotfluoroeth	4.12	101	758	N.D.		
15) Acetone	4.27	43	10434	N.D.		
16) Iodomethane	4.36	142	1234	N.D.		
17) Carbon Dislf	4.40	76	3042	N.D.		
18) allylchloride	0.00	76	0	N.D.		
19) Methylacetate	0.00	74	0	N.D.		
20) Acetonitrile	4.60	41	2348	N.D.		
21) Methylchlorid	4.82	84	208178	0.0077	mg/kg	90
22) tbutylalcohol	5.10	59	940	N.D.		
23) t12dichlorte	5.17	96	986	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	5.25	53	829	N.D.		
26) Hexane	5.47	57	7575	N.D.		
27) 11dichlorota	0.00	63	0	N.D.		
28) Vinylacetate	5.81	43	1615	N.D.		
29) chloroprene	5.91	53	545	N.D.		
30) Diisopether	0.00	45	0	N.D.		
31) ETBE	0.00	59	0	N.D.		
32) 22dichloropr	6.43	77	503	N.D.		
33) c12dichlorte	6.46	96	580	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	0.00	54	0	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	6.78	67	604	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337821.D Vial: 14
Acq On : 20 Aug 2013 13:53 Operator: RLD-BMS
Sample : 96824,337821,1 Inst : VMS1
Misc : 6.61g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 14:14 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.79	42	1732	N.D.	
40)	Chloroform	0.00	83	0	N.D.	
41)	111trichlota	0.00	97	0	N.D.	
42)	Cyclohexane	7.19	56	538	N.D.	
44)	Carbtetraclo	7.23	119	2113	N.D.	
45)	11dicloprope	0.00	110	0	N.D.	
47)	Benzene	7.54	78	1703	N.D.	
48)	12dichlorota	0.00	62	0	N.D.	
49)	TAME	0.00	73	0	N.D.	
50)	Trichloroete	0.00	95	0	N.D.	
51)	methylcyclohexane	8.50	83	568	N.D.	
52)	12dicloropra	0.00	63	0	N.D.	
53)	23Dicl1propene	0.00	75	0	N.D.	
54)	Dibromometha	8.82	93	717	N.D.	
55)	methylmethacrylate	8.75	69	2329	N.D.	
56)	14dioxane	0.00	88	0	N.D.	
57)	Bromodiclrma	0.00	83	0	N.D.	
58)	c13Dicloproe	0.00	75	0	N.D.	
59)	4Meth2Pentan	9.73	43	597	N.D.	
61)	Toluene	9.96	92	2435	N.D.	
62)	t13Dicloprop	10.29	75	613	N.D.	
63)	ethylmethacrylate	10.31	69	7802	N.D.	
64)	112Triclotha	0.00	83	0	N.D.	
65)	Tetrachlorte	0.00	166	0	N.D.	
66)	13Diclorpropa	10.72	76	613	N.D.	
68)	2Hexanone	9.73	43	842	N.D.	
69)	Clorodibrmta	0.00	129	0	N.D.	
70)	12Dibrometha	0.00	107	0	N.D.	
71)	Chlorobenzen	11.81	112	647	N.D.	
72)	1Clhexane	11.80	91	992	N.D.	
73)	1112Tetclota	11.96	131	1480	N.D.	
74)	Ethylbenzene	11.94	91	1308	N.D.	
75)	m p-Xylene	12.10	106	959	N.D.	
76)	o-Xylene	12.66	106	521	N.D.	
77)	Styrene	12.68	104	737	N.D.	
78)	Bromoform	0.00	173	0	N.D.	
79)	Isopropylben	13.17	105	521	N.D.	
81)	cyclohexanone	13.35	55	883	N.D.	
83)	Bromobenzene	0.00	156	0	N.D.	
84)	1122Tetrclta	0.00	83	0	N.D.	
85)	123Triclproa	13.69	75	596	N.D.	
86)	n-Propylbenz	13.75	91	610	N.D.	
87)	2chlorotolue	13.89	91	836	N.D.	
88)	4chlorotolue	14.07	91	1245	N.D.	
89)	135Trimebenz	14.02	105	709	N.D.	
90)	tbutylbenzen	14.46	119	749	N.D.	
91)	124Trimetben	14.53	105	723	N.D.	
92)	sbutylbenzen	0.00	105	0	N.D.	
93)	13Diclorbenz	14.98	146	709	N.D.	
94)	pIsopropylto	14.98	119	1953	N.D.	
95)	14dichlorobe	15.09	146	796	N.D.	
96)	12dichlorobe	15.63	146	524	N.D.	
97)	nButylbenzen	15.60	91	1165	N.D.	
98)	12dibromo3cl	0.00	157	0	N.D.	
99)	135Trichlorobenzene	0.00	180	0	N.D.	
100)	124Trichlobe	17.85	180	606	N.D.	
101)	Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337821.D Vial: 14
Acq On : 20 Aug 2013 13:53 Operator: RLD-BMS
Sample : 96824,337821,1 Inst : VMS1
Misc : 6.61g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 14:14 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

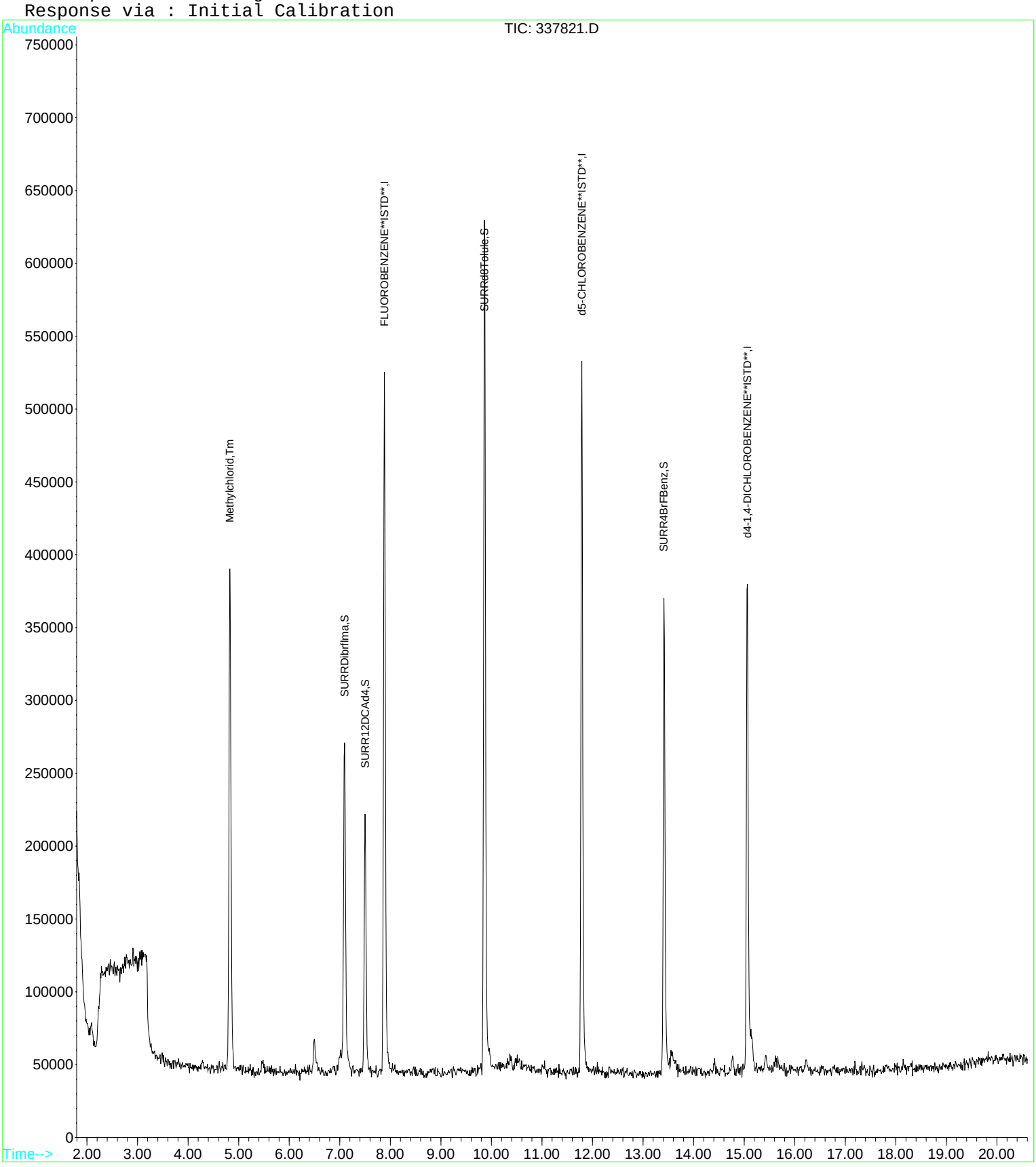
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	1776	N.D.	
103) 123Trichlben	0.00	180	0	N.D.	

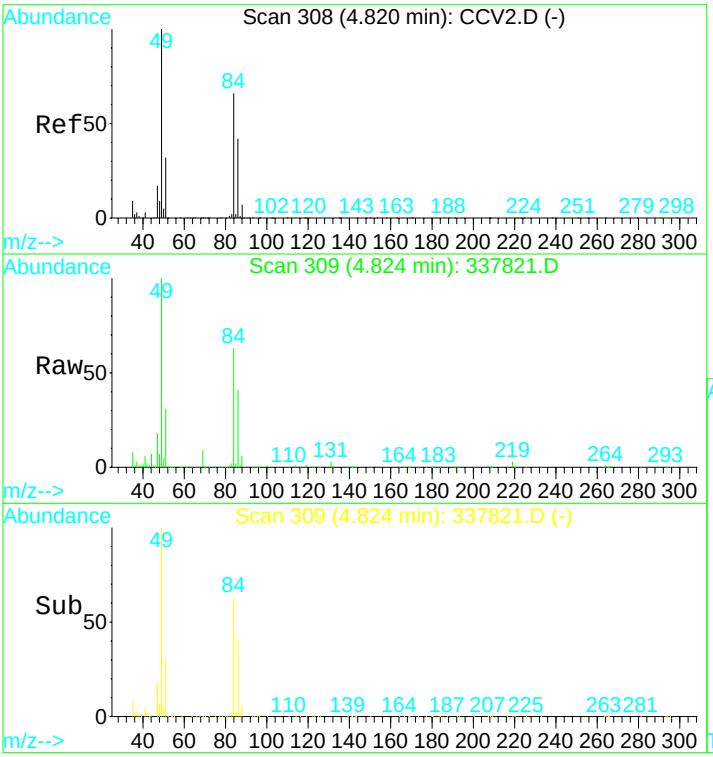
(#) = qualifier out of range (m) = manual integration
337821.D LS081913.M Thu Aug 22 12:38:19 2013 Page 104 Page 3

Quantitation Report

Data File : M:\DATA\AUG2013\337821.D Vial: 14
Acq On : 20 Aug 2013 13:53 Operator: RLD-BMS
Sample : 96824,337821,1 Inst : VMS1
Misc : 6.61g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 14:14 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

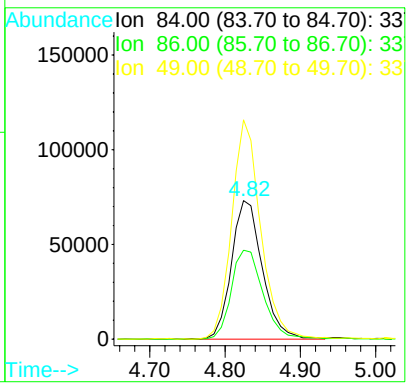




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.82 min Scan# 309
Delta R.T. -0.00 min
Lab File: 337821.D
Acq: 20 Aug 2013 13:53

Tgt Ion: 84 Resp: 208178

Ion	Ratio	Lower	Upper
84	100		
86	66.3	45.7	85.7
49	148.4	146.2	186.2



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337823.D Vial: 15
Acq On : 20 Aug 2013 14:22 Operator: RLD-BMS
Sample : 96824,337823,1 Inst : VMS1
Misc : 6.30g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 14:43 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.89	96	593475	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.78	117	421277	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	165091	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	197101	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
46) SURR12DCAd4	7.51	102	41113	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
60) SURRd8Tolule	9.87	98	565666	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.42	95	184069	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 106 %			
Target Compounds						Qvalue
2) Dichlorodi	1.90	85	14975	N.D.		
3) Chloromethan	2.17	50	4227	N.D.		
4) VinylChlorid	2.32	62	1231	N.D.		
5) Bromomethane	2.82	94	3118	N.D.		
6) Chloroethane	2.94	64	4229	N.D.		
7) dichloroflmethane	3.29	67	755	N.D.		
8) Trichlorofma	3.34	101	2151	N.D.		
9) Ethylether	0.00	59	0	N.D.		
10) dichlorotfluoroethan	3.29	67	755	N.D.		
11) propyleneoxide	3.90	58	630	N.D.		
12) Acrolein	4.03	56	771	N.D.		
13) 11dichlorthe	4.10	96	1264	N.D.		
14) Trichlorotfluoroeth	4.15	101	851	N.D.		
15) Acetone	4.28	43	24025	N.D.		
16) Iodomethane	4.37	142	606	N.D.		
17) Carbon Dislf	4.39	76	3330	N.D.		
18) allylchloride	0.00	76	0	N.D.		
19) Methylacetate	0.00	74	0	N.D.		
20) Acetonitrile	4.65	41	811	N.D.		
21) Methylchlorid	4.83	84	194598	0.0071	mg/kg	91
22) tbutylalcohol	5.08	59	1059	N.D.		
23) t12dichlorte	5.17	96	1024	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	5.19	53	700	N.D.		
26) Hexane	5.46	57	9847	N.D.		
27) 11dichlorota	0.00	63	0	N.D.		
28) Vinylacetate	5.78	43	1366	N.D.		
29) chloroprene	5.77	53	606	N.D.		
30) Diisopether	5.73	45	1214	N.D.		
31) ETBE	6.20	59	561	N.D.		
32) 22dichloropr	6.48	77	4721	N.D.		
33) c12dichlorte	0.00	96	0	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	6.59	54	595	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	0.00	67	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337823.D Vial: 15
Acq On : 20 Aug 2013 14:22 Operator: RLD-BMS
Sample : 96824,337823,1 Inst : VMS1
Misc : 6.30g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 14:43 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.87	42	3844	N.D.	
40)	Chloroform	0.00	83	0	N.D.	
41)	111trichlota	0.00	97	0	N.D.	
42)	Cyclohexane	7.08	56	741	N.D.	
44)	Carbtetraclo	7.27	119	1730	N.D.	
45)	11dicloprope	0.00	110	0	N.D.	
47)	Benzene	7.60	78	717	N.D.	
48)	12dichlorota	7.66	62	565	N.D.	
49)	TAME	7.68	73	783	N.D.	
50)	Trichloroete	0.00	95	0	N.D.	
51)	methylcyclohexane	8.52	83	627	N.D.	
52)	12dicloropra	8.71	63	576	N.D.	
53)	23Dicl1propene	0.00	75	0	N.D.	
54)	Dibromometha	8.84	93	656	N.D.	
55)	methylmethacrylate	8.78	69	2989	N.D.	
56)	14dioxane	0.00	88	0	N.D.	
57)	Bromodiclrma	0.00	83	0	N.D.	
58)	c13Dicloproe	9.50	75	718	N.D.	
59)	4Meth2Pentan	9.73	43	1071	N.D.	
61)	Toluene	9.97	92	2095	N.D.	
62)	t13Dicloprop	10.20	75	555	N.D.	
63)	ethylmethacrylate	10.39	69	9109	N.D.	
64)	112Triclotha	0.00	83	0	N.D.	
65)	Tetrachlorte	0.00	166	0	N.D.	
66)	13Diclorpropa	0.00	76	0	N.D.	
68)	2Hexanone	9.73	43	1071	N.D.	
69)	Clorodibrmta	0.00	129	0	N.D.	
70)	12Dibrometha	0.00	107	0	N.D.	
71)	Chlorobenzen	11.84	112	503	N.D.	
72)	1Clhexane	11.77	91	1631	N.D.	
73)	1112Tetclota	11.90	131	5950	N.D.	
74)	Ethylbenzene	11.96	91	688	N.D.	
75)	m p-Xylene	12.15	106	1122	N.D.	
76)	o-Xylene	0.00	106	0	N.D.	
77)	Styrene	12.72	104	551	N.D.	
78)	Bromoform	0.00	173	0	N.D.	
79)	Isopropylben	0.00	105	0	N.D.	
81)	cyclohexanone	13.36	55	627	N.D.	
83)	Bromobenzene	0.00	156	0	N.D.	
84)	1122Tetrclta	0.00	83	0	N.D.	
85)	123Triclproa	13.73	75	754	N.D.	
86)	n-Propylbenz	13.74	91	1003	N.D.	
87)	2chlorotolue	0.00	91	0	N.D.	
88)	4chlorotolue	0.00	91	0	N.D.	
89)	135Trimebenz	14.01	105	604	N.D.	
90)	tbutylbenzen	14.45	119	1075	N.D.	
91)	124Trimetben	14.54	105	1066	N.D.	
92)	sbutylbenzen	0.00	105	0	N.D.	
93)	13Diclorbenz	15.06	146	519	N.D.	
94)	pIsopropylto	15.01	119	1103	N.D.	
95)	14dichlorobe	15.06	146	598	N.D.	
96)	12dichlorobe	15.64	146	619	N.D.	
97)	nButylbenzen	15.57	91	1015	N.D.	
98)	12dibromo3cl	0.00	157	0	N.D.	
99)	135Trichlorobenzene	16.99	180	537	N.D.	
100)	124Trichlobe	17.83	180	608	N.D.	
101)	Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337823.D Vial: 15
Acq On : 20 Aug 2013 14:22 Operator: RLD-BMS
Sample : 96824,337823,1 Inst : VMS1
Misc : 6.30g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 14:43 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

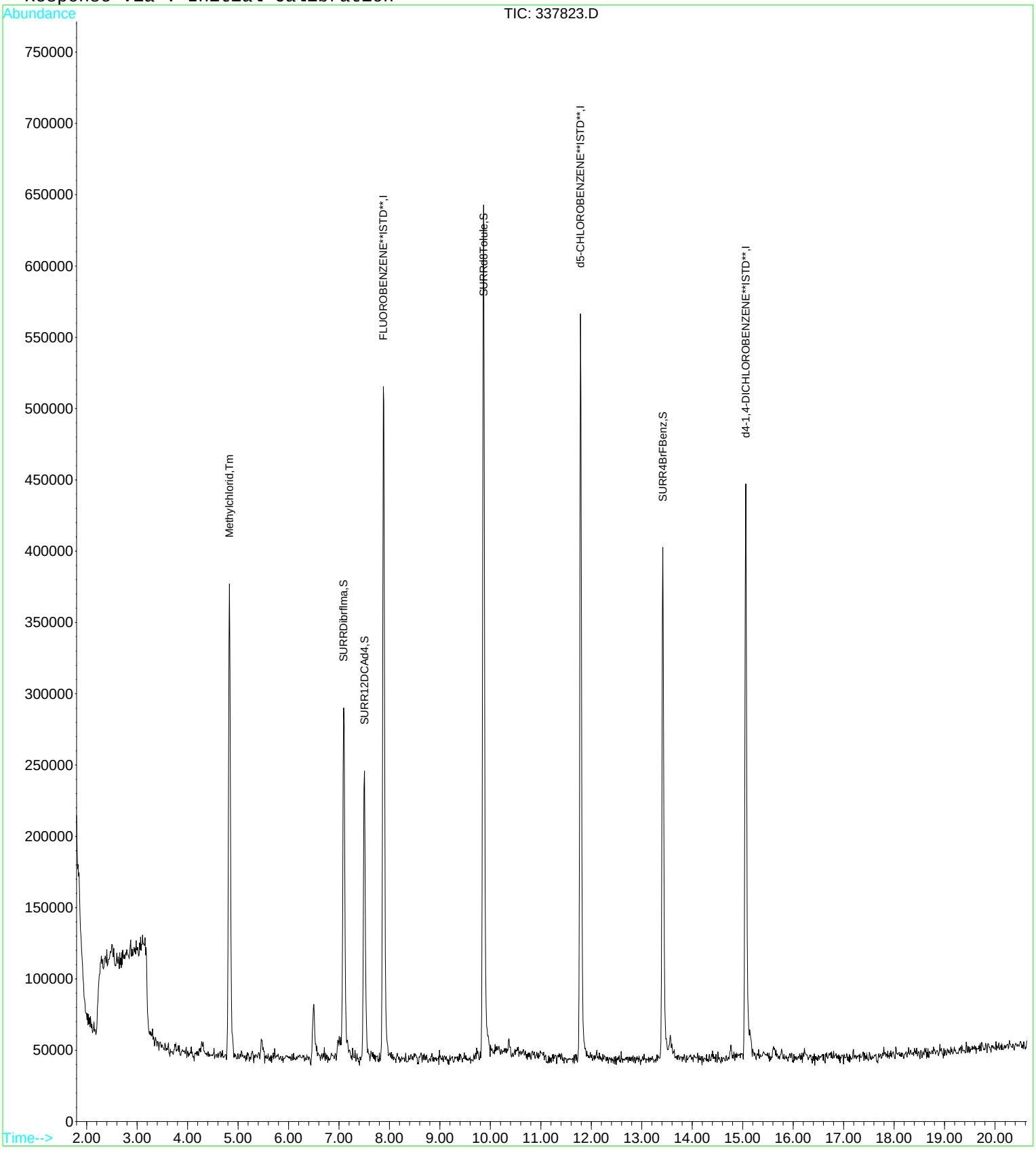
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.16	128	2211	N.D.	
103) 123Trichlben	0.00	180	0	N.D.	

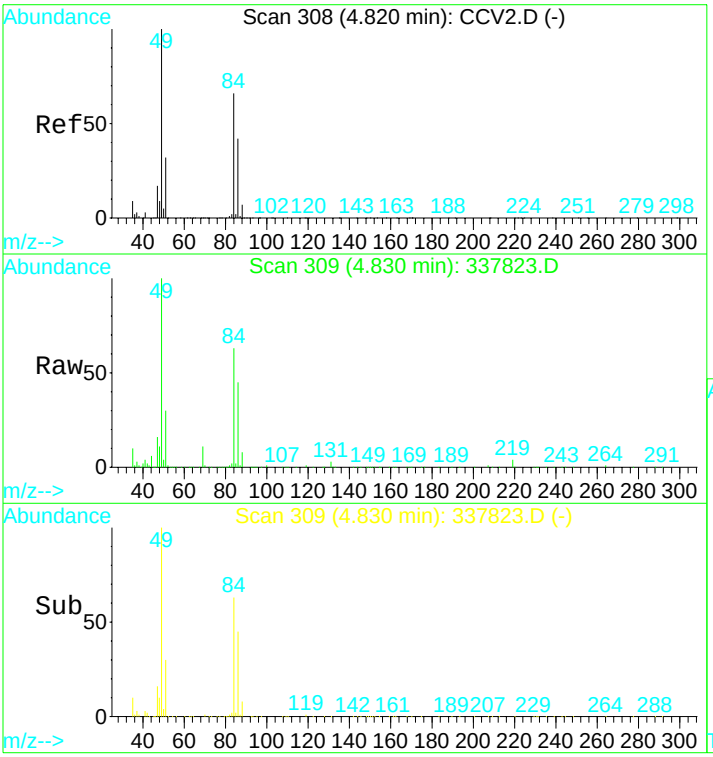
(#) = qualifier out of range (m) = manual integration
337823.D LS081913.M Thu Aug 22 12:38:31 2013 Page 109 Page 3

Quantitation Report

Data File : M:\DATA\AUG2013\337823.D Vial: 15
Acq On : 20 Aug 2013 14:22 Operator: RLD-BMS
Sample : 96824,337823,1 Inst : VMS1
Misc : 6.30g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 14:43 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

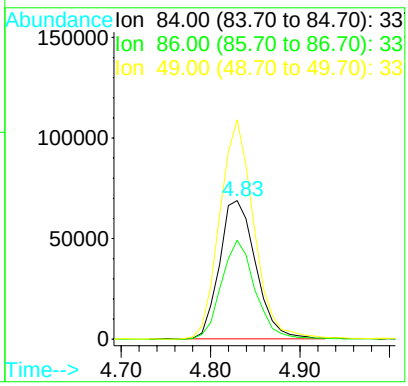




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.83 min Scan# 309
Delta R.T. 0.00 min
Lab File: 337823.D
Acq: 20 Aug 2013 14:22

Tgt Ion: 84 Resp: 194598

Ion	Ratio	Lower	Upper
84	100		
86	66.2	45.7	85.7
49	149.0	146.2	186.2



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337825.D Vial: 16
Acq On : 20 Aug 2013 14:51 Operator: RLD-BMS
Sample : 96824,337825,1 Inst : VMS1
Misc : 6.02g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 15:12 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	546222	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	423670	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	185154	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	190187	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
46) SURR12DCAd4	7.51	102	42291	0.018	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 113 %			
60) SURRd8Tolule	9.87	98	533724	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 106 %			
82) SURR4BrFBenz	13.42	95	195259	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 100 %			
Target Compounds						Qvalue
2) Dichlorodi	1.90	85	13190	N.D.		
3) Chloromethan	2.15	50	4419	N.D.		
4) VinylChlorid	0.00	62	0	N.D.		
5) Bromomethane	2.80	94	17075	N.D.		
6) Chloroethane	2.86	64	4809	N.D.		
7) dichloroflmethane	3.31	67	558	N.D.		
8) Trichlorofma	3.31	101	3461	N.D.		
9) Ethylether	0.00	59	0	N.D.		
10) dichlorotfluoroethan	3.31	67	558	N.D.		
11) propyleneoxide	3.89	58	825	N.D.		
12) Acrolein	4.00	56	903	N.D.		
13) 11dichlorthe	4.17	96	1072	N.D.		
14) Trichlorotfluoroeth	0.00	101	0	N.D.		
15) Acetone	4.29	43	9782	N.D.		
16) Iodomethane	4.32	142	5160	N.D.		
17) Carbon Dislf	4.37	76	2540	N.D.		
18) allylchloride	4.60	76	646	N.D.		
19) Methylacetate	4.73	74	580	N.D.		
20) Acetonitrile	4.59	41	1579	N.D.		
21) Methylchlorid	4.82	84	178632	0.0071	mg/kg	89
22) tbutylalcohol	5.09	59	602	N.D.		
23) t12dichlorte	5.13	96	751	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	5.23	53	619	N.D.		
26) Hexane	5.46	57	7692	N.D.		
27) 11dichlorota	5.74	63	632	N.D.		
28) Vinylacetate	5.82	43	2981	N.D.		
29) chloroprene	5.81	53	1049	N.D.		
30) Diisopether	5.73	45	1084	N.D.		
31) ETBE	0.00	59	0	N.D.		
32) 22dichloropr	6.36	77	669	N.D.		
33) c12dichlorte	6.44	96	1113	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	6.61	54	527	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	6.80	67	770	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337825.D Vial: 16
Acq On : 20 Aug 2013 14:51 Operator: RLD-BMS
Sample : 96824,337825,1 Inst : VMS1
Misc : 6.02g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 15:12 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) Tetrahydofur	6.77	42	1263	N.D.	
40) Chloroform	6.89	83	686	N.D.	
41) 111trichlota	0.00	97	0	N.D.	
42) Cyclohexane	7.11	56	1111	N.D.	
44) Carbtetraclo	7.27	119	1540	N.D.	
45) 11dicloprope	0.00	110	0	N.D.	
47) Benzene	7.55	78	593	N.D.	
48) 12dichlorota	0.00	62	0	N.D.	
49) TAME	0.00	73	0	N.D.	
50) Trichloroete	8.36	95	1110	N.D.	
51) methylcyclohexane	0.00	83	0	N.D.	
52) 12dicloropra	8.63	63	577	N.D.	
53) 23Dicl1propene	0.00	75	0	N.D.	
54) Dibromometha	0.00	93	0	N.D.	
55) methylmethacrylate	8.78	69	5911	N.D.	
56) 14dioxane	0.00	88	0	N.D.	
57) Bromodiclrma	0.00	83	0	N.D.	
58) c13Dicloproe	9.60	75	691	N.D.	
59) 4Meth2Pentan	9.69	43	627	N.D.	
61) Toluene	9.94	92	1631	N.D.	
62) t13Dicloprop	0.00	75	0	N.D.	
63) ethylmethacrylate	10.30	69	6907	N.D.	
64) 112Triclotha	0.00	83	0	N.D.	
65) Tetrachlorte	0.00	166	0	N.D.	
66) 13Diclorpropa	0.00	76	0	N.D.	
68) 2Hexanone	9.74	43	878	N.D.	
69) Clorodibrmta	0.00	129	0	N.D.	
70) 12Dibrometha	0.00	107	0	N.D.	
71) Chlorobenzen	11.81	112	681	N.D.	
72) 1Clhexane	11.79	91	1444	N.D.	
73) 1112Tetclota	11.91	131	2655	N.D.	
74) Ethylbenzene	11.95	91	773	N.D.	
75) m p-Xylene	12.10	106	539	N.D.	
76) o-Xylene	0.00	106	0	N.D.	
77) Styrene	12.70	104	568	N.D.	
78) Bromoform	0.00	173	0	N.D.	
79) Isopropylben	0.00	105	0	N.D.	
81) cyclohexanone	13.42	55	2084	N.D.	
83) Bromobenzene	0.00	156	0	N.D.	
84) 1122Tetrclta	0.00	83	0	N.D.	
85) 123Triclproa	13.71	75	936	N.D.	
86) n-Propylbenz	13.74	91	502	N.D.	
87) 2chlorotolue	13.92	91	773	N.D.	
88) 4chlorotolue	14.06	91	552	N.D.	
89) 135Trimebenz	0.00	105	0	N.D.	
90) tbutylbenzen	14.46	119	1032	N.D.	
91) 124Trimetben	14.55	105	1235	N.D.	
92) sbutylbenzen	14.78	105	669	N.D.	
93) 13Diclorbenz	14.99	146	513	N.D.	
94) pIsopropylto	14.98	119	1129	N.D.	
95) 14dichlorobe	15.08	146	943	N.D.	
96) 12dichlorobe	0.00	146	0	N.D.	
97) nButylbenzen	15.56	91	861	N.D.	
98) 12dibromo3cl	0.00	157	0	N.D.	
99) 135Trichlorobenzene	0.00	180	0	N.D.	
100) 124Trichlobe	0.00	180	0	N.D.	
101) Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337825.D Vial: 16
Acq On : 20 Aug 2013 14:51 Operator: RLD-BMS
Sample : 96824,337825,1 Inst : VMS1
Misc : 6.02g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 15:12 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

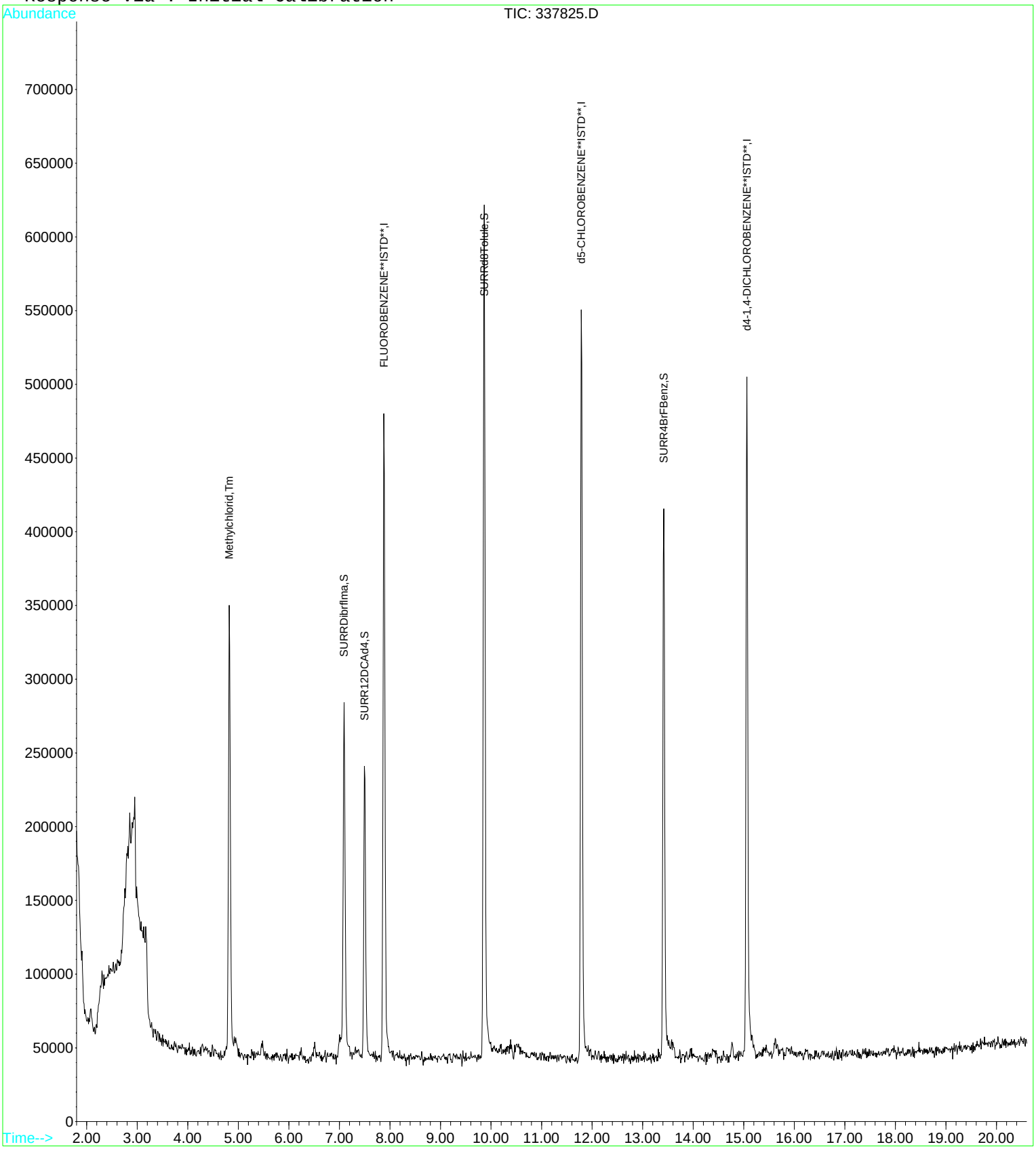
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.16	128	2625	N.D.	
103) 123Trichlben	0.00	180	0	N.D.	

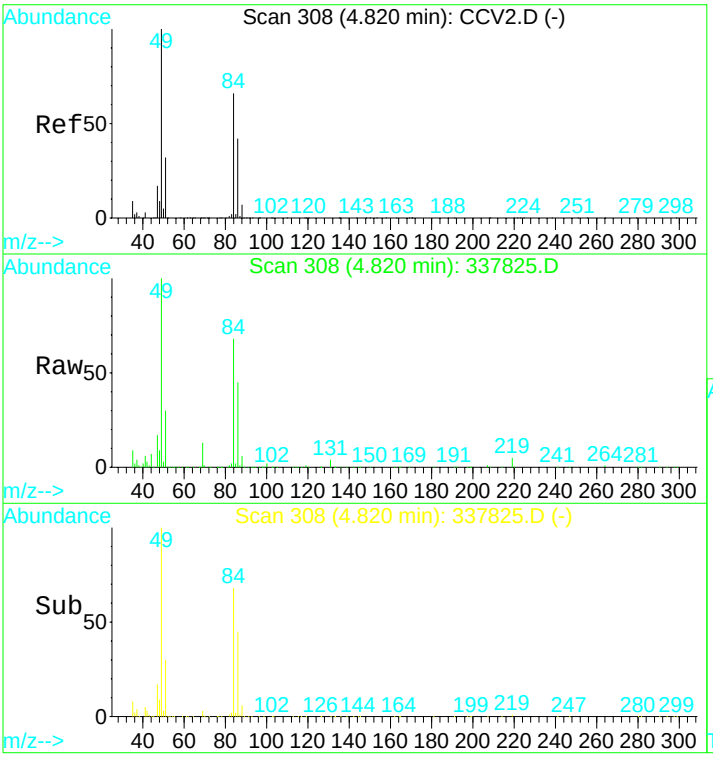
(#) = qualifier out of range (m) = manual integration
337825.D LS081913.M Thu Aug 22 12:38:41 2013 Page 114 Page 3

Quantitation Report

Data File : M:\DATA\AUG2013\337825.D Vial: 16
Acq On : 20 Aug 2013 14:51 Operator: RLD-BMS
Sample : 96824,337825,1 Inst : VMS1
Misc : 6.02g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 15:12 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

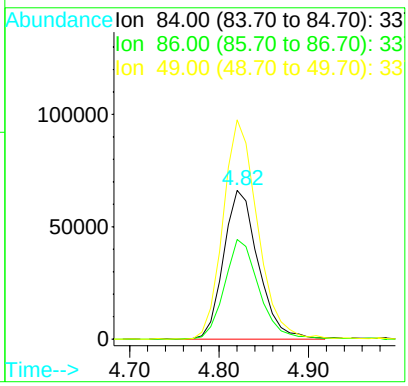




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.82 min Scan# 308
Delta R.T. -0.00 min
Lab File: 337825.D
Acq: 20 Aug 2013 14:51

Tgt Ion: 84 Resp: 178632

Ion	Ratio	Lower	Upper
84	100		
86	66.5	45.7	85.7
49	146.6	146.2	186.2



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337827.D Vial: 17
Acq On : 20 Aug 2013 15:21 Operator: RLD-BMS
Sample : 96824,337827,1 Inst : VMS1
Misc : 6.32g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 15:42 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	570302	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	415345	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.07	152	157646	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.10	113	188735	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
46) SURR12DCAd4	7.50	102	42441	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 106 %			
60) SURRd8Tolule	9.86	98	548661	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.41	95	181950	0.018	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 113 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	13372	N.D.		
3) Chloromethan	2.16	50	5453	N.D.		
4) VinylChlorid	2.37	62	1488	N.D.		
5) Bromomethane	2.73	94	4328	N.D.		
6) Chloroethane	2.97	64	2338	N.D.		
7) dichloroflmethane	3.38	67	835	N.D.		
8) Trichlorofma	3.35	101	1388	N.D.		
9) Ethylether	0.00	59	0	N.D.		
10) dichlorotfluoroethan	3.25	67	1117	N.D.		
11) propyleneoxide	3.91	58	508	N.D.		
12) Acrolein	3.98	56	731	N.D.		
13) 11dichlorthe	4.11	96	1312	N.D.		
14) Trichlorotfluoroeth	0.00	101	0	N.D.		
15) Acetone	4.30	43	10454	N.D.		
16) Iodomethane	4.34	142	916	N.D.		
17) Carbon Dislf	4.39	76	3152	N.D.		
18) allylchloride	0.00	76	0	N.D.		
19) Methylacetate	0.00	74	0	N.D.		
20) Acetonitrile	4.59	41	1647	N.D.		
21) Methylchlorid	4.82	84	182984	0.0070	mg/kg#	89
22) tbutylalcohol	0.00	59	0	N.D.		
23) t12dichlorte	5.14	96	537	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	5.25	53	819	N.D.		
26) Hexane	5.48	57	6747	N.D.		
27) 11dichlorota	0.00	63	0	N.D.		
28) Vinylacetate	5.77	43	1532	N.D.		
29) chloroprene	5.77	53	707	N.D.		
30) Diisopether	0.00	45	0	N.D.		
31) ETBE	6.18	59	663	N.D.		
32) 22dichloropr	6.50	77	545	N.D.		
33) c12dichlorte	6.51	96	517	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	6.63	54	519	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	6.84	67	1357	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337827.D Vial: 17
Acq On : 20 Aug 2013 15:21 Operator: RLD-BMS
Sample : 96824,337827,1 Inst : VMS1
Misc : 6.32g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 15:42 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.88	42	4597	N.D.	
40)	Chloroform	0.00	83	0	N.D.	
41)	111trichlota	0.00	97	0	N.D.	
42)	Cyclohexane	7.11	56	763	N.D.	
44)	Carbtetraclo	7.24	119	1297	N.D.	
45)	11dicloprope	0.00	110	0	N.D.	
47)	Benzene	7.59	78	535	N.D.	
48)	12dichlorota	7.57	62	594	N.D.	
49)	TAME	7.65	73	582	N.D.	
50)	Trichloroete	0.00	95	0	N.D.	
51)	methylcyclohexane	8.54	83	677	N.D.	
52)	12dicloropra	0.00	63	0	N.D.	
53)	23Dicl1propene	8.67	75	523	N.D.	
54)	Dibromometha	8.78	93	546	N.D.	
55)	methylmethacrylate	8.77	69	9627	N.D.	
56)	14dioxane	8.73	88	509	N.D.	
57)	Bromodiclrma	0.00	83	0	N.D.	
58)	c13Dicloproe	9.61	75	554	N.D.	
59)	4Meth2Pentan	9.72	43	924	N.D.	
61)	Toluene	9.95	92	1296	N.D.	
62)	t13Dicloprop	10.23	75	549	N.D.	
63)	ethylmethacrylate	10.33	69	7026	N.D.	
64)	112Triclotha	0.00	83	0	N.D.	
65)	Tetrachlorte	0.00	166	0	N.D.	
66)	13Diclorpropa	0.00	76	0	N.D.	
68)	2Hexanone	9.72	43	924	N.D.	
69)	Clorodibrmta	0.00	129	0	N.D.	
70)	12Dibrometha	0.00	107	0	N.D.	
71)	Chlorobenzen	11.83	112	747	N.D.	
72)	1Clhexane	11.80	91	634	N.D.	
73)	1112Tetclota	11.97	131	4180	N.D.	
74)	Ethylbenzene	11.97	91	1021	N.D.	
75)	m p-Xylene	12.14	106	534	N.D.	
76)	o-Xylene	0.00	106	0	N.D.	
77)	Styrene	12.70	104	1031	N.D.	
78)	Bromoform	0.00	173	0	N.D.	
79)	Isopropylben	0.00	105	0	N.D.	
81)	cyclohexanone	13.31	55	1104	N.D.	
83)	Bromobenzene	0.00	156	0	N.D.	
84)	1122Tetrclta	0.00	83	0	N.D.	
85)	123Triclproa	13.73	75	1012	N.D.	
86)	n-Propylbenz	13.74	91	665	N.D.	
87)	2chlorotolue	13.91	91	559	N.D.	
88)	4chlorotolue	0.00	91	0	N.D.	
89)	135Trimebenz	0.00	105	0	N.D.	
90)	tbutylbenzen	14.47	119	1279	N.D.	
91)	124Trimetben	14.53	105	672	N.D.	
92)	sbutylbenzen	0.00	105	0	N.D.	
93)	13Diclorbenz	0.00	146	0	N.D.	
94)	pIsopropylto	14.97	119	1244	N.D.	
95)	14dichlorobe	15.11	146	556	N.D.	
96)	12dichlorobe	0.00	146	0	N.D.	
97)	nButylbenzen	0.00	91	0	N.D.	
98)	12dibromo3cl	0.00	157	0	N.D.	
99)	135Trichlorobenzene	0.00	180	0	N.D.	
100)	124Trichlobe	17.84	180	573	N.D.	
101)	Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337827.D Vial: 17
Acq On : 20 Aug 2013 15:21 Operator: RLD-BMS
Sample : 96824,337827,1 Inst : VMS1
Misc : 6.32g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 15:42 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

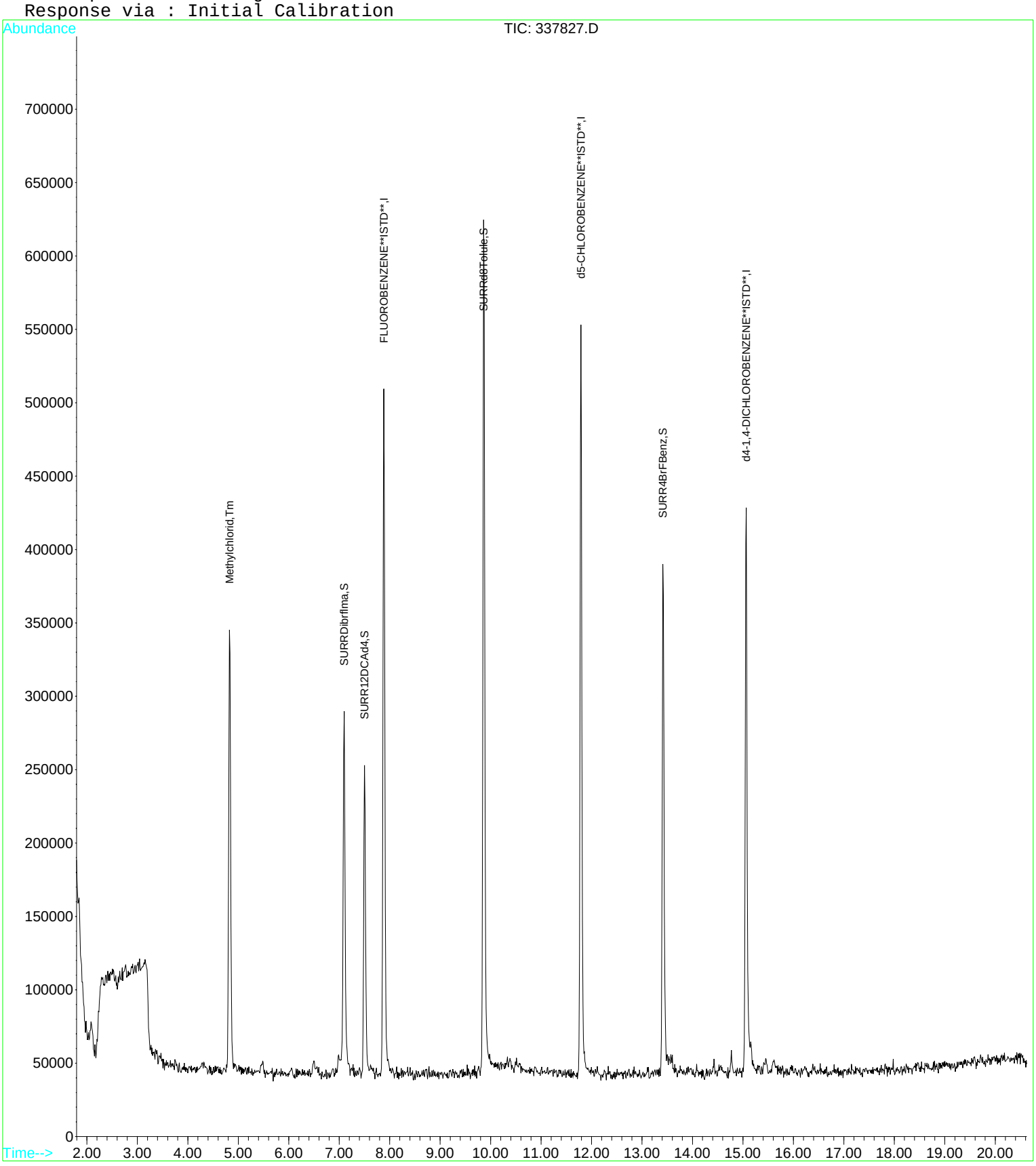
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.16	128	1936	N.D.	
103) 123Trichlben	0.00	180	0	N.D.	

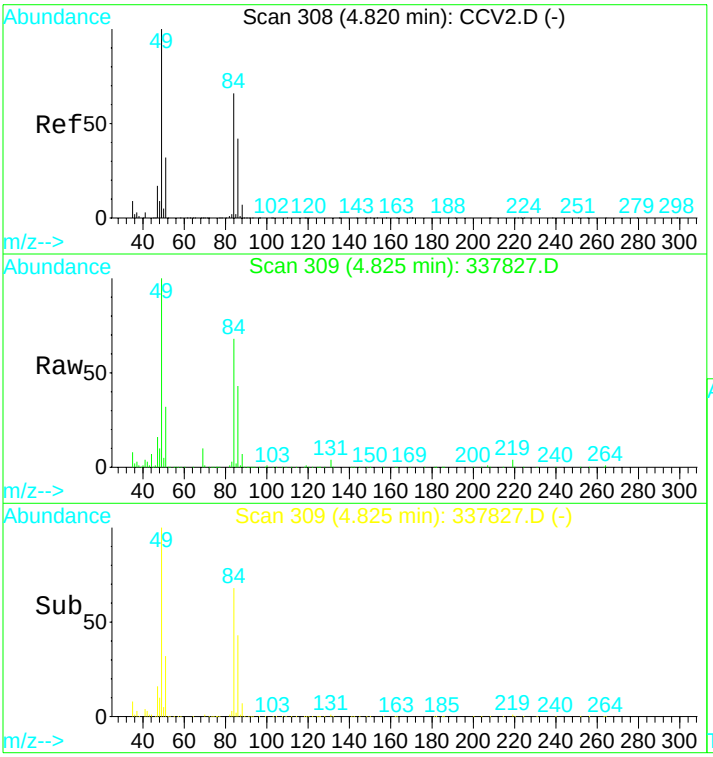
(#) = qualifier out of range (m) = manual integration
337827.D LS081913.M Thu Aug 22 12:38:54 2013 Page 119 Page 3

Quantitation Report

Data File : M:\DATA\AUG2013\337827.D Vial: 17
Acq On : 20 Aug 2013 15:21 Operator: RLD-BMS
Sample : 96824,337827,1 Inst : VMS1
Misc : 6.32g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 15:42 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

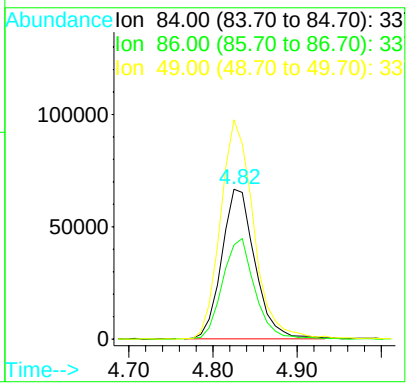




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.82 min Scan# 309
Delta R.T. -0.00 min
Lab File: 337827.D
Acq: 20 Aug 2013 15:21

Tgt Ion: 84 Resp: 182984

Ion	Ratio	Lower	Upper
84	100		
86	65.3	45.7	85.7
49	145.6	146.2	186.2#



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337829.D Vial: 18
Acq On : 20 Aug 2013 15:50 Operator: RLD-BMS
Sample : 96824,337829,1 Inst : VMS1
Misc : 5.79g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 16:11 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.89	96	546997	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	422947	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	179956	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	188362	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
46) SURR12DCAd4	7.51	102	38905	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 106 %			
60) SURRd8Tolule	9.87	98	542044	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 106 %			
82) SURR4BrFBenz	13.42	95	192251	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 100 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	11500	N.D.		
3) Chloromethan	2.16	50	4907	N.D.		
4) VinylChlorid	2.30	62	2002	N.D.		
5) Bromomethane	2.72	94	3975	N.D.		
6) Chloroethane	2.96	64	2110	N.D.		
7) dichloroflmethane	3.33	67	1024	N.D.		
8) Trichlorofma	3.33	101	1164	N.D.		
9) Ethylether	0.00	59	0	N.D.		
10) dichlorotfluoroethan	3.33	67	1024	N.D.		
11) propyleneoxide	0.00	58	0	N.D.		
12) Acrolein	4.06	56	1020	N.D.		
13) 11dichlorthe	0.00	96	0	N.D.		
14) Trichlorotfluoroeth	0.00	101	0	N.D.		
15) Acetone	4.29	43	11213	N.D.		
16) Iodomethane	4.34	142	851	N.D.		
17) Carbon Dislf	4.38	76	2712	N.D.		
18) allylchloride	0.00	76	0	N.D.		
19) Methylacetate	0.00	74	0	N.D.		
20) Acetonitrile	4.71	41	3894	N.D.		
21) Methylchlorid	4.83	84	180955	0.0072	mg/kg	89
22) tbutylalcohol	5.08	59	1172	N.D.		
23) t12dichlorte	5.14	96	627	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	5.30	53	670	N.D.		
26) Hexane	5.47	57	5686	N.D.		
27) 11dichlorota	0.00	63	0	N.D.		
28) Vinylacetate	5.79	43	1569	N.D.		
29) chloroprene	5.77	53	694	N.D.		
30) Diisopether	0.00	45	0	N.D.		
31) ETBE	0.00	59	0	N.D.		
32) 22dichloropr	6.50	77	1399	N.D.		
33) c12dichlorte	6.43	96	741	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	0.00	54	0	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	6.77	67	613	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337829.D Vial: 18
Acq On : 20 Aug 2013 15:50 Operator: RLD-BMS
Sample : 96824,337829,1 Inst : VMS1
Misc : 5.79g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 16:11 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) Tetrahydofur	6.88	42	4698	N.D.	
40) Chloroform	0.00	83	0	N.D.	
41) 111trichlota	0.00	97	0	N.D.	
42) Cyclohexane	7.13	56	1064	N.D.	
44) Carbtetraclo	7.29	119	1233	N.D.	
45) 11dicloprope	0.00	110	0	N.D.	
47) Benzene	7.56	78	1305	N.D.	
48) 12dichlorota	0.00	62	0	N.D.	
49) TAME	0.00	73	0	N.D.	
50) Trichloroete	8.35	95	1073	N.D.	
51) methylcyclohexane	0.00	83	0	N.D.	
52) 12dicloropra	8.73	63	503	N.D.	
53) 23Dicl1propene	0.00	75	0	N.D.	
54) Dibromometha	8.83	93	657	N.D.	
55) methylmethacrylate	8.77	69	1388	N.D.	
56) 14dioxane	0.00	88	0	N.D.	
57) Bromodiclrma	0.00	83	0	N.D.	
58) c13Dicloproe	0.00	75	0	N.D.	
59) 4Meth2Pentan	9.72	43	1213	N.D.	
61) Toluene	9.96	92	833	N.D.	
62) t13Dicloprop	10.38	75	615	N.D.	
63) ethylmethacrylate	10.36	69	1851	N.D.	
64) 112Triclotha	0.00	83	0	N.D.	
65) Tetrachlorte	0.00	166	0	N.D.	
66) 13Diclorpropa	10.67	76	643	N.D.	
68) 2Hexanone	9.72	43	1213	N.D.	
69) Clorodibrmta	0.00	129	0	N.D.	
70) 12Dibrometha	0.00	107	0	N.D.	
71) Chlorobenzen	0.00	112	0	N.D.	
72) 1Clhexane	11.80	91	1587	N.D.	
73) 1112Tetclota	11.99	131	4623	N.D.	
74) Ethylbenzene	0.00	91	0	N.D.	
75) m p-Xylene	0.00	106	0	N.D.	
76) o-Xylene	0.00	106	0	N.D.	
77) Styrene	12.71	104	544	N.D.	
78) Bromoform	0.00	173	0	N.D.	
79) Isopropylben	0.00	105	0	N.D.	
81) cyclohexanone	13.37	55	766	N.D.	
83) Bromobenzene	0.00	156	0	N.D.	
84) 1122Tetrclta	0.00	83	0	N.D.	
85) 123Triclproa	0.00	75	0	N.D.	
86) n-Propylbenz	13.77	91	767	N.D.	
87) 2chlorotolue	0.00	91	0	N.D.	
88) 4chlorotolue	14.07	91	757	N.D.	
89) 135Trimebenz	0.00	105	0	N.D.	
90) tbutylbenzen	14.47	119	1336	N.D.	
91) 124Trimetben	14.53	105	891	N.D.	
92) sbutylbenzen	14.78	105	520	N.D.	
93) 13Diclorbenz	0.00	146	0	N.D.	
94) pIsopropylto	14.98	119	1305	N.D.	
95) 14dichlorobe	15.10	146	686	N.D.	
96) 12dichlorobe	0.00	146	0	N.D.	
97) nButylbenzen	0.00	91	0	N.D.	
98) 12dibromo3cl	0.00	157	0	N.D.	
99) 135Trichlorobenzene	0.00	180	0	N.D.	
100) 124Trichlobe	17.83	180	1048	N.D.	
101) Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337829.D Vial: 18
Acq On : 20 Aug 2013 15:50 Operator: RLD-BMS
Sample : 96824,337829,1 Inst : VMS1
Misc : 5.79g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 16:11 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

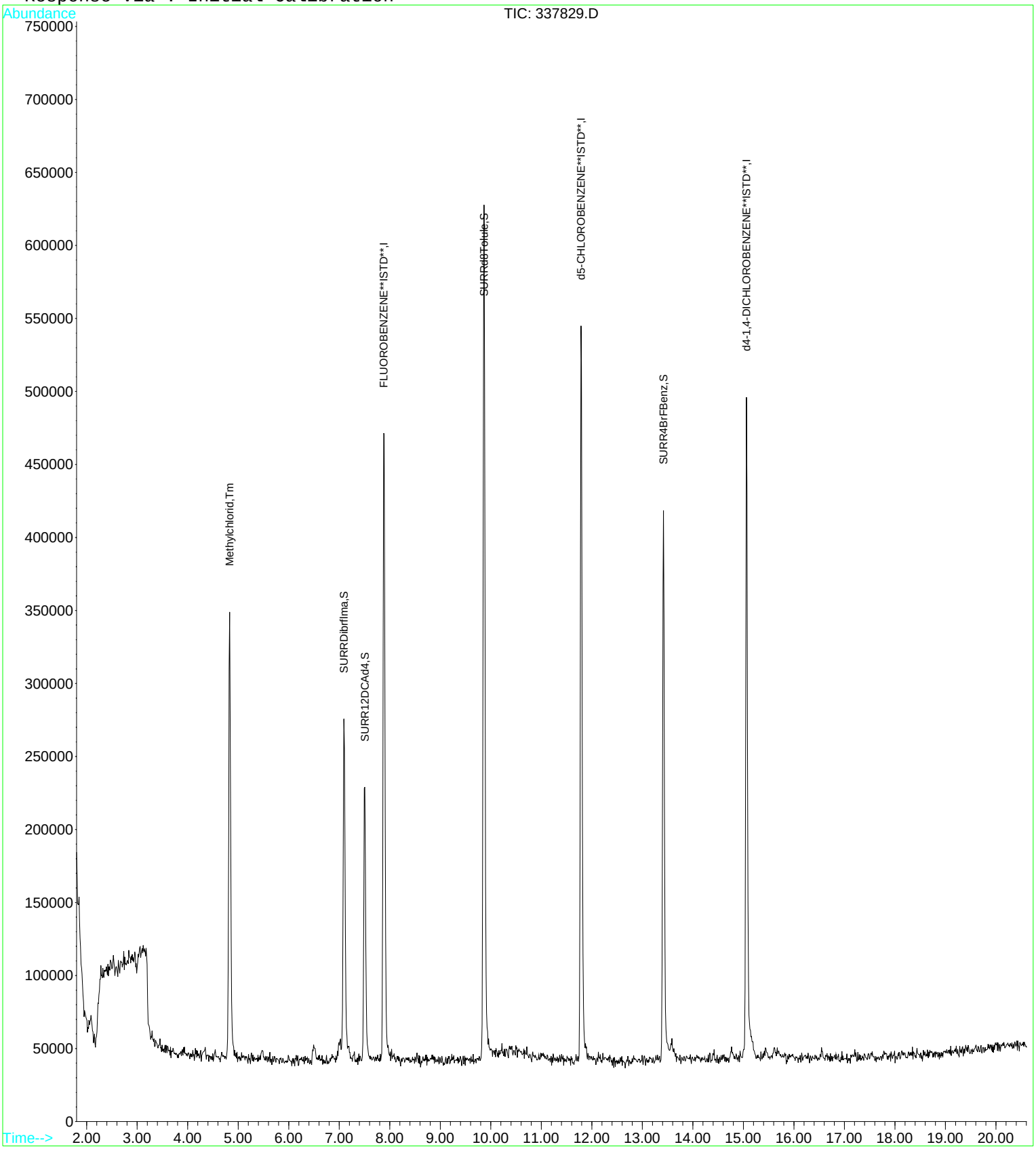
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.17	128	1909	N.D.	
103) 123Trichlben	0.00	180	0	N.D.	

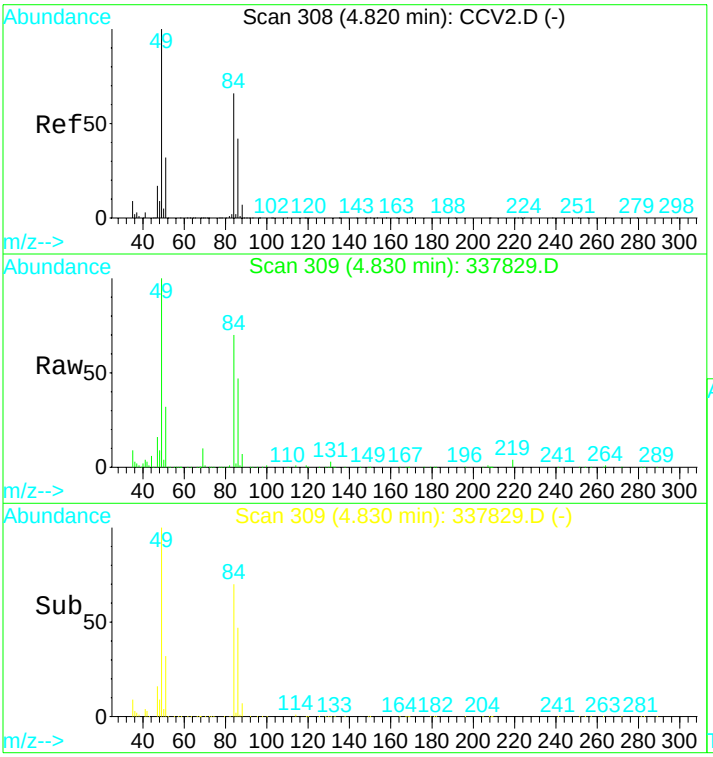
(#) = qualifier out of range (m) = manual integration
337829.D LS081913.M Thu Aug 22 12:39:05 2013 Page 124 Page 3

Quantitation Report

Data File : M:\DATA\AUG2013\337829.D Vial: 18
Acq On : 20 Aug 2013 15:50 Operator: RLD-BMS
Sample : 96824,337829,1 Inst : VMS1
Misc : 5.79g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 16:11 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

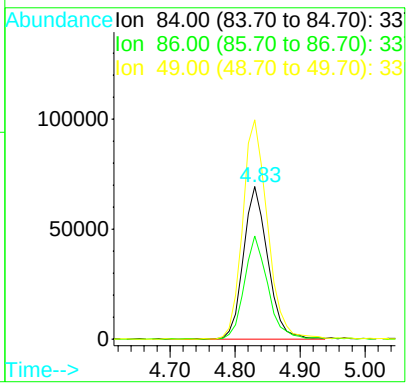




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.83 min Scan# 309
Delta R.T. 0.01 min
Lab File: 337829.D
Acq: 20 Aug 2013 15:50

Tgt Ion: 84 Resp: 180955

Ion	Ratio	Lower	Upper
84	100		
86	65.3	45.7	85.7
49	146.6	146.2	186.2



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337831.D Vial: 19
Acq On : 20 Aug 2013 16:19 Operator: RLD-BMS
Sample : 96824,337831,1 Inst : VMS1
Misc : 6.57g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 16:40 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.89	96	556114	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.78	117	416775	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	180727	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	179343	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
46) SURR12DCAd4	7.51	102	37933	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
60) SURRd8Tolule	9.87	98	530099	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.42	95	184039	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 100 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	16967	N.D.		
3) Chloromethan	2.22	50	6341	N.D.		
4) VinylChlorid	2.37	62	2057	N.D.		
5) Bromomethane	2.90	94	4271	N.D.		
6) Chloroethane	2.91	64	6239	N.D.		
7) dichloroflmethane	3.31	67	1590	N.D.		
8) Trichlorofma	3.33	101	2505	N.D.		
9) Ethylether	0.00	59	0	N.D.		
10) dichlorotfluoroethan	3.31	67	1590	N.D.		
11) propyleneoxide	3.89	58	580	N.D.		
12) Acrolein	4.04	56	1219	N.D.		
13) 11dichlorthe	0.00	96	0	N.D.		
14) Trichlorotfluoroeth	0.00	101	0	N.D.		
15) Acetone	4.30	43	14174	N.D.		
16) Iodomethane	0.00	142	0	N.D.		
17) Carbon Dislf	4.39	76	2715	N.D.		
18) allylchloride	4.57	76	591	N.D.		
19) Methylacetate	4.69	74	730	N.D.		
20) Acetonitrile	4.58	41	1757	N.D.		
21) Methylchlorid	4.83	84	184707	0.0072	mg/kg	89
22) tbutylalcohol	5.08	59	772	N.D.		
23) t12dichlorte	5.17	96	529	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	0.00	53	0	N.D.		
26) Hexane	5.47	57	6851	N.D.		
27) 11dichlorota	0.00	63	0	N.D.		
28) Vinylacetate	5.81	43	616	N.D.		
29) chloroprene	0.00	53	0	N.D.		
30) Diisopether	5.83	45	1487	N.D.		
31) ETBE	0.00	59	0	N.D.		
32) 22dichloropr	6.50	77	2226	N.D.		
33) c12dichlorte	6.43	96	1480	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	6.52	54	593	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	0.00	67	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337831.D Vial: 19
Acq On : 20 Aug 2013 16:19 Operator: RLD-BMS
Sample : 96824,337831,1 Inst : VMS1
Misc : 6.57g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 16:40 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) Tetrahydofur	6.86	42	2948	N.D.	
40) Chloroform	0.00	83	0	N.D.	
41) 111trichlota	0.00	97	0	N.D.	
42) Cyclohexane	7.07	56	764	N.D.	
44) Carbtetraclo	7.30	119	825	N.D.	
45) 11dicloprope	0.00	110	0	N.D.	
47) Benzene	7.52	78	1182	N.D.	
48) 12dichlorota	0.00	62	0	N.D.	
49) TAME	0.00	73	0	N.D.	
50) Trichloroete	8.34	95	1065	N.D.	
51) methylcyclohexane	8.55	83	675	N.D.	
52) 12dicloropra	8.56	63	532	N.D.	
53) 23Dicl1propene	0.00	75	0	N.D.	
54) Dibromometha	8.79	93	600	N.D.	
55) methylmethacrylate	8.75	69	4404	N.D.	
56) 14dioxane	0.00	88	0	N.D.	
57) Bromodiclrma	0.00	83	0	N.D.	
58) c13Dicloproe	0.00	75	0	N.D.	
59) 4Meth2Pentan	9.73	43	1458	N.D.	
61) Toluene	9.95	92	1596	N.D.	
62) t13Dicloprop	0.00	75	0	N.D.	
63) ethylmethacrylate	10.34	69	1214	N.D.	
64) 112Triclotha	0.00	83	0	N.D.	
65) Tetrachlorte	0.00	166	0	N.D.	
66) 13Diclorpropa	0.00	76	0	N.D.	
68) 2Hexanone	9.73	43	1458	N.D.	
69) Clorodibrmta	0.00	129	0	N.D.	
70) 12Dibrometha	0.00	107	0	N.D.	
71) Chlorobenzen	11.81	112	701	N.D.	
72) 1Clhexane	11.79	91	836	N.D.	
73) 1112Tetclota	11.96	131	825	N.D.	
74) Ethylbenzene	11.96	91	624	N.D.	
75) m p-Xylene	12.11	106	539	N.D.	
76) o-Xylene	0.00	106	0	N.D.	
77) Styrene	0.00	104	0	N.D.	
78) Bromoform	0.00	173	0	N.D.	
79) Isopropylben	0.00	105	0	N.D.	
81) cyclohexanone	13.38	55	846	N.D.	
83) Bromobenzene	0.00	156	0	N.D.	
84) 1122Tetrclta	0.00	83	0	N.D.	
85) 123Triclproa	13.66	75	699	N.D.	
86) n-Propylbenz	0.00	91	0	N.D.	
87) 2chlorotolue	13.90	91	1005	N.D.	
88) 4chlorotolue	14.06	91	660	N.D.	
89) 135Trimebenz	0.00	105	0	N.D.	
90) tbutylbenzen	14.46	119	951	N.D.	
91) 124Trimetben	0.00	105	0	N.D.	
92) sbutylbenzen	0.00	105	0	N.D.	
93) 13Diclorbenz	0.00	146	0	N.D.	
94) pIsopropylto	14.95	119	2172	N.D.	
95) 14dichlorobe	15.10	146	783	N.D.	
96) 12dichlorobe	15.62	146	560	N.D.	
97) nButylbenzen	15.61	91	507	N.D.	
98) 12dibromo3cl	0.00	157	0	N.D.	
99) 135Trichlorobenzene	0.00	180	0	N.D.	
100) 124Trichlobe	17.83	180	519	N.D.	
101) Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337831.D Vial: 19
Acq On : 20 Aug 2013 16:19 Operator: RLD-BMS
Sample : 96824,337831,1 Inst : VMS1
Misc : 6.57g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 16:40 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

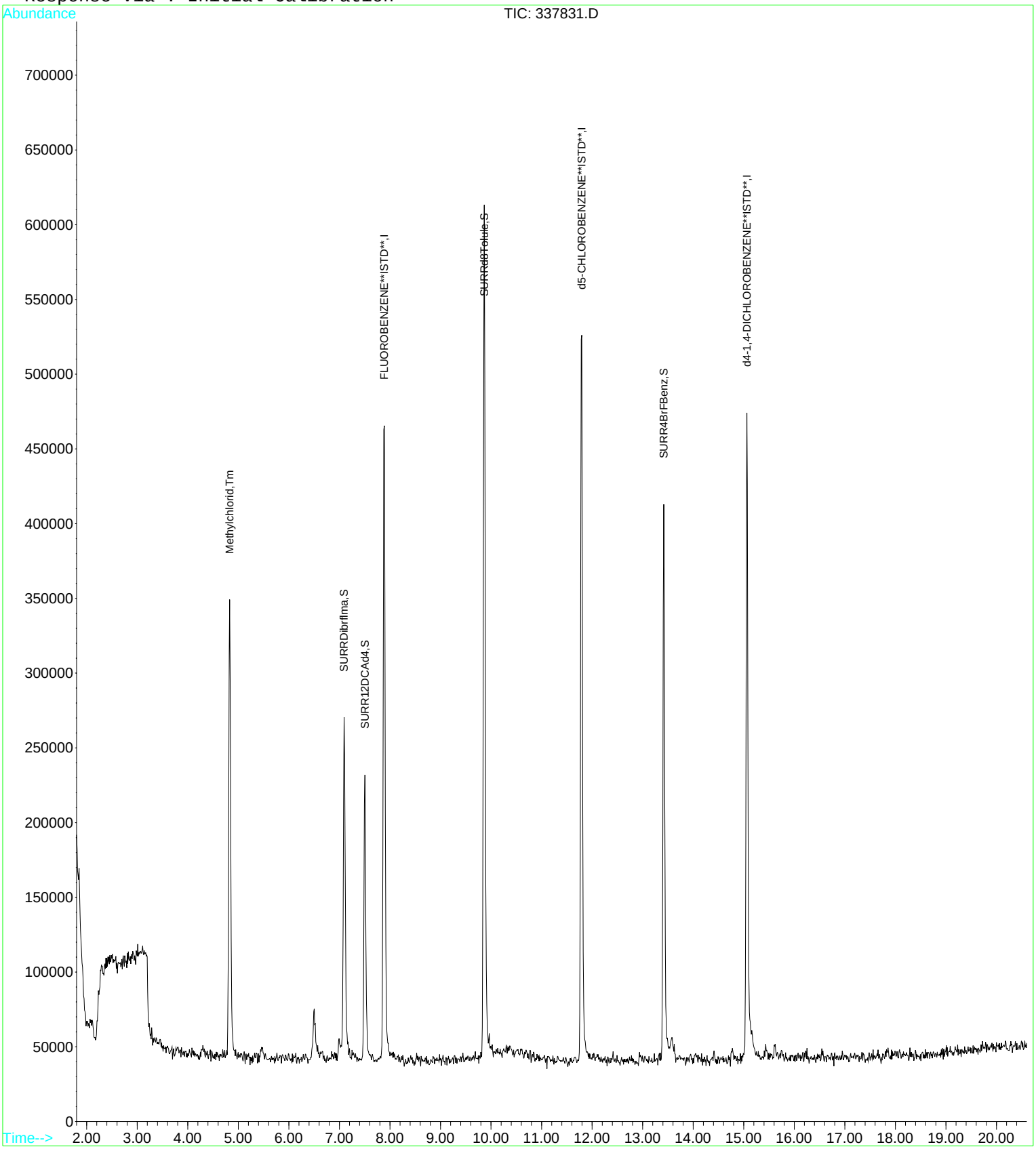
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	1562	N.D.	
103) 123Trichlben	18.45	180	543	N.D.	

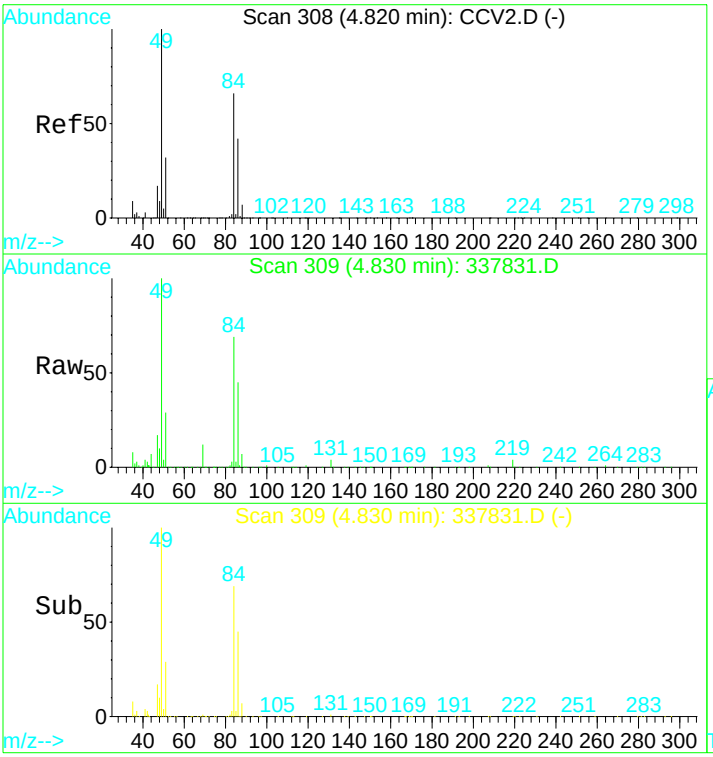
(#) = qualifier out of range (m) = manual integration
337831.D LS081913.M Thu Aug 22 12:39:16 2013 Page 129 Page 3

Quantitation Report

Data File : M:\DATA\AUG2013\337831.D Vial: 19
Acq On : 20 Aug 2013 16:19 Operator: RLD-BMS
Sample : 96824,337831,1 Inst : VMS1
Misc : 6.57g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 16:40 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

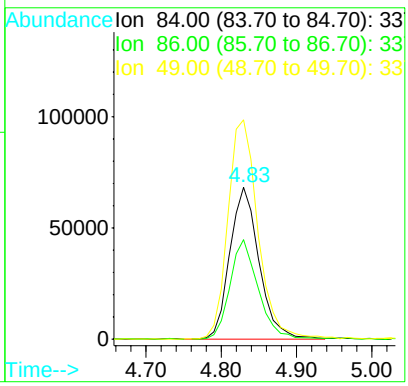




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.83 min Scan# 309
Delta R.T. 0.00 min
Lab File: 337831.D
Acq: 20 Aug 2013 16:19

Tgt Ion: 84 Resp: 184707

Ion	Ratio	Lower	Upper
84	100		
86	63.2	45.7	85.7
49	148.0	146.2	186.2



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337833.D Vial: 20
Acq On : 20 Aug 2013 16:48 Operator: RLD-BMS
Sample : 96824,337833,1 Inst : VMS1
Misc : 5.79g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 17:09 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	551035	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.80	117	410487	0.02	mg/kg	0.02 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	165699	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	182872	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
46) SURR12DCAd4	7.50	102	41057	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 106 %			
60) SURRd8Tolule	9.87	98	535241	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.42	95	183002	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 106 %			
Target Compounds						Qvalue
2) Dichlorodi	1.90	85	12326	N.D.		
3) Chloromethan	2.15	50	6874	N.D.		
4) VinylChlorid	2.32	62	1843	N.D.		
5) Bromomethane	2.86	94	2591	N.D.		
6) Chloroethane	3.08	64	6018	N.D.		
7) dichloroflmethane	3.32	67	934	N.D.		
8) Trichlorofma	3.36	101	2506	N.D.		
9) Ethylether	0.00	59	0	N.D.		
10) dichlorotfluoroethan	3.32	67	934	N.D.		
11) propyleneoxide	3.84	58	632	N.D.		
12) Acrolein	3.98	56	848	N.D.		
13) 11dichlorthe	4.18	96	1192	N.D.		
14) Trichlorotfluoroeth	0.00	101	0	N.D.		
15) Acetone	4.31	43	11581	N.D.		
16) Iodomethane	0.00	142	0	N.D.		
17) Carbon Dislf	4.38	76	1971	N.D.		
18) allylchloride	0.00	76	0	N.D.		
19) Methylacetate	0.00	74	0	N.D.		
20) Acetonitrile	4.63	41	816	N.D.		
21) Methylchlorid	4.83	84	191079	0.0075	mg/kg#	88
22) tbutylalcohol	0.00	59	0	N.D.		
23) t12dichlorte	5.16	96	645	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	5.21	53	513	N.D.		
26) Hexane	5.48	57	6951	N.D.		
27) 11dichlorota	0.00	63	0	N.D.		
28) Vinylacetate	5.78	43	700	N.D.		
29) chloroprene	5.79	53	705	N.D.		
30) Diisopether	5.76	45	1464	N.D.		
31) ETBE	0.00	59	0	N.D.		
32) 22dichloropr	6.51	77	3099	N.D.		
33) c12dichlorte	6.45	96	583	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	0.00	54	0	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	0.00	67	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337833.D Vial: 20
Acq On : 20 Aug 2013 16:48 Operator: RLD-BMS
Sample : 96824,337833,1 Inst : VMS1
Misc : 5.79g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 17:09 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) Tetrahydofur	6.86	42	4655	N.D.	
40) Chloroform	0.00	83	0	N.D.	
41) 111trichlota	0.00	97	0	N.D.	
42) Cyclohexane	7.05	56	1326	N.D.	
44) Carbtetraclo	7.24	119	1305	N.D.	
45) 11dicloprope	0.00	110	0	N.D.	
47) Benzene	7.55	78	1265	N.D.	
48) 12dichlorota	7.48	62	508	N.D.	
49) TAME	7.60	73	623	N.D.	
50) Trichloroete	0.00	95	0	N.D.	
51) methylcyclohexane	0.00	83	0	N.D.	
52) 12dicloropra	8.69	63	516	N.D.	
53) 23Dicl1propene	0.00	75	0	N.D.	
54) Dibromometha	8.84	93	611	N.D.	
55) methylmethacrylate	8.72	69	3954	N.D.	
56) 14dioxane	0.00	88	0	N.D.	
57) Bromodiclrma	0.00	83	0	N.D.	
58) c13Dicloproe	9.51	75	576	N.D.	
59) 4Meth2Pentan	9.71	43	875	N.D.	
61) Toluene	9.95	92	1053	N.D.	
62) t13Dicloprop	10.18	75	535	N.D.	
63) ethylmethacrylate	10.34	69	3811	N.D.	
64) 112Triclotha	0.00	83	0	N.D.	
65) Tetrachlorte	0.00	166	0	N.D.	
66) 13Diclorpropa	0.00	76	0	N.D.	
68) 2Hexanone	9.71	43	875	N.D.	
69) Clorodibrmta	0.00	129	0	N.D.	
70) 12Dibrometha	0.00	107	0	N.D.	
71) Chlorobenzen	11.80	112	704	N.D.	
72) 1Clhexane	11.80	91	959	N.D.	
73) 1112Tetclota	11.95	131	3484	N.D.	
74) Ethylbenzene	11.97	91	1253	N.D.	
75) m p-Xylene	12.13	106	601	N.D.	
76) o-Xylene	0.00	106	0	N.D.	
77) Styrene	0.00	104	0	N.D.	
78) Bromoform	0.00	173	0	N.D.	
79) Isopropylben	13.19	105	516	N.D.	
81) cyclohexanone	13.35	55	1728	N.D.	
83) Bromobenzene	0.00	156	0	N.D.	
84) 1122Tetrclta	13.57	83	5030	N.D.	
85) 123Triclproa	0.00	75	0	N.D.	
86) n-Propylbenz	0.00	91	0	N.D.	
87) 2chlorotolue	0.00	91	0	N.D.	
88) 4chlorotolue	0.00	91	0	N.D.	
89) 135Trimebenz	14.00	105	833	N.D.	
90) tbutylbenzen	14.44	119	1162	N.D.	
91) 124Trimetben	14.58	105	779	N.D.	
92) sbutylbenzen	0.00	105	0	N.D.	
93) 13Diclorbenz	0.00	146	0	N.D.	
94) pIsopropylto	14.99	119	1107	N.D.	
95) 14dichlorobe	0.00	146	0	N.D.	
96) 12dichlorobe	0.00	146	0	N.D.	
97) nButylbenzen	15.58	91	907	N.D.	
98) 12dibromo3cl	0.00	157	0	N.D.	
99) 135Trichlorobenzene	0.00	180	0	N.D.	
100) 124Trichlobe	17.85	180	577	N.D.	
101) Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337833.D Vial: 20
Acq On : 20 Aug 2013 16:48 Operator: RLD-BMS
Sample : 96824,337833,1 Inst : VMS1
Misc : 5.79g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 17:09 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

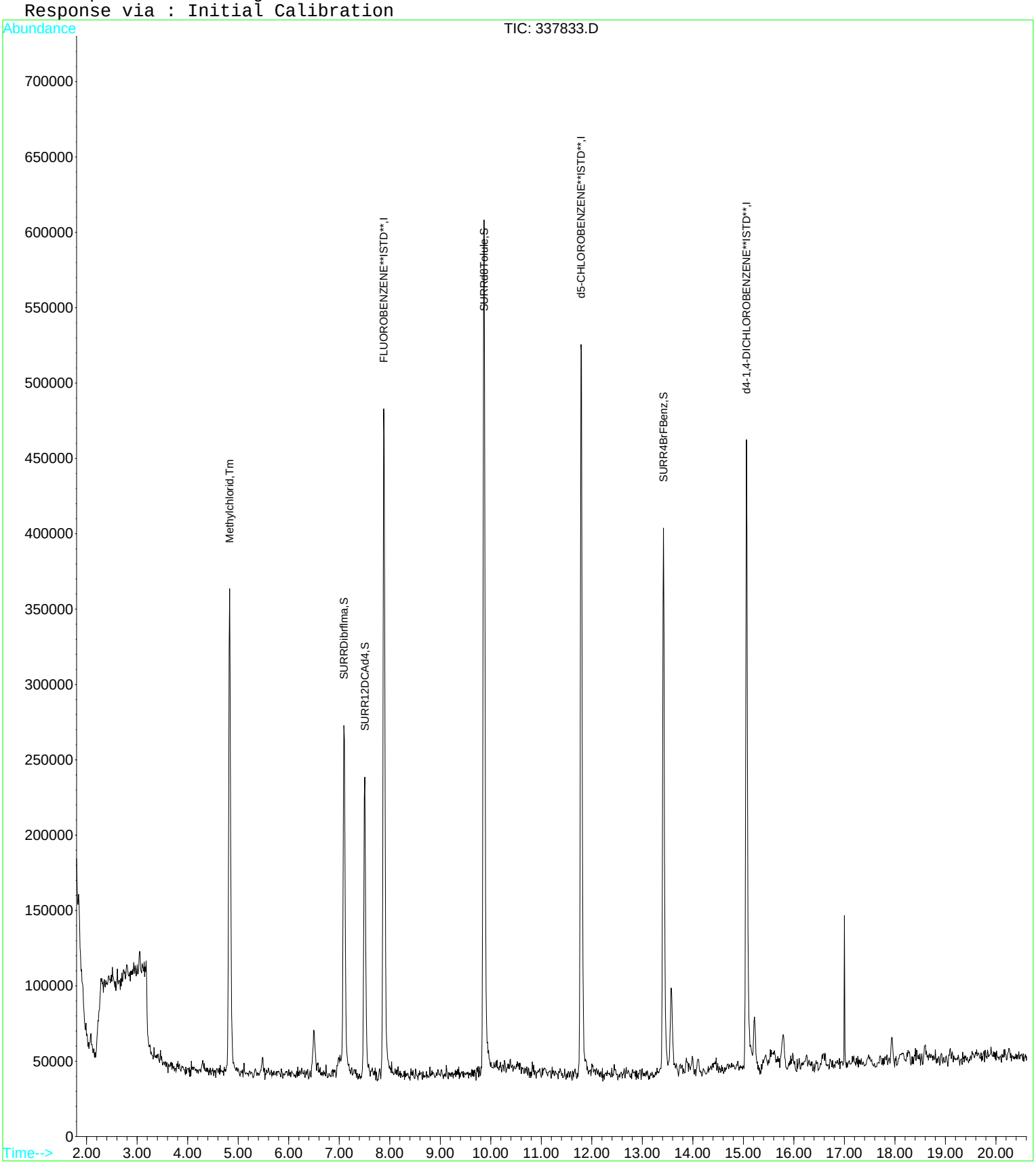
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.16	128	2620	N.D.	
103) 123Trichlben	0.00	180	0	N.D.	

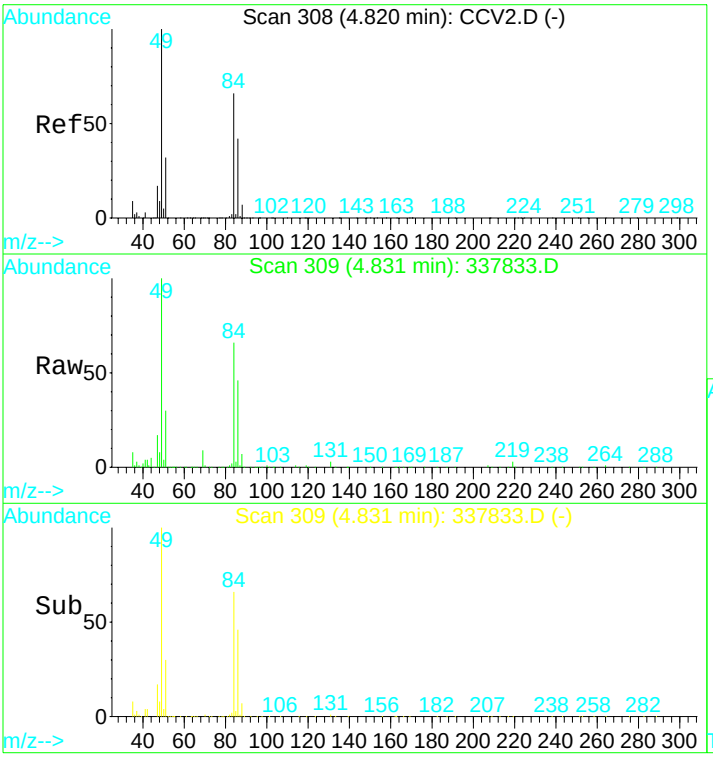
(#) = qualifier out of range (m) = manual integration
337833.D LS081913.M Thu Aug 22 12:39:23 2013 Page 134 Page 3

Quantitation Report

Data File : M:\DATA\AUG2013\337833.D Vial: 20
Acq On : 20 Aug 2013 16:48 Operator: RLD-BMS
Sample : 96824,337833,1 Inst : VMS1
Misc : 5.79g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 17:09 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

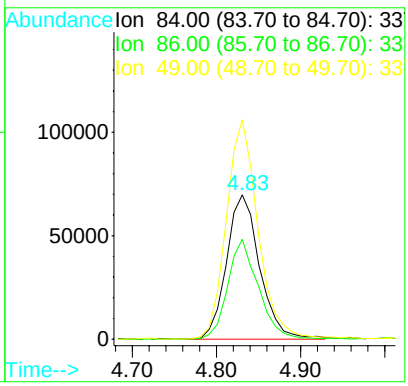




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.83 min Scan# 309
Delta R.T. 0.01 min
Lab File: 337833.D
Acq: 20 Aug 2013 16:48

Tgt Ion: 84 Resp: 191079

Ion	Ratio	Lower	Upper
84	100		
86	63.7	45.7	85.7
49	145.2	146.2	186.2#



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\338807.D Vial: 21
Acq On : 20 Aug 2013 17:17 Operator: RLD-BMS
Sample : 96824,338807,1 Inst : VMS1
Misc : 7.07g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 17:38 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	539603	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	400235	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.07	152	177916	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.10	113	182199	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
46) SURR12DCAd4	7.50	102	43929	0.019	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 119 %			
60) SURRd8Tolule	9.86	98	537301	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 106 %			
82) SURR4BrFBenz	13.41	95	189089	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 100 %			
Target Compounds						Qvalue
2) Dichlorodi	1.90	85	11731	N.D.		
3) Chloromethan	2.16	50	3887	N.D.		
4) VinylChlorid	2.38	62	1313	N.D.		
5) Bromomethane	2.87	94	4700	N.D.		
6) Chloroethane	2.98	64	3254	N.D.		
7) dichloroflmethane	0.00	67	0	N.D.		
8) Trichlorofma	3.35	101	1480	N.D.		
9) Ethylether	0.00	59	0	N.D.		
10) dichlorotfluoroethan	0.00	67	0	N.D.		
11) propyleneoxide	0.00	58	0	N.D.		
12) Acrolein	4.02	56	1039	N.D.		
13) 11dichlorthe	4.18	96	2486	N.D.		
14) Trichlorotfluoroeth	4.12	101	1652	N.D.		
15) Acetone	4.27	43	68686	0.0133	mg/kg	94
16) Iodomethane	4.32	142	1103	N.D.		
17) Carbon Dislf	4.39	76	16799	N.D.		
18) allylchloride	4.55	76	531	N.D.		
19) Methylacetate	0.00	74	0	N.D.		
20) Acetonitrile	4.62	41	691	N.D.		
21) Methylchlorid	4.82	84	180059	0.0072	mg/kg	92
22) tbutylalcohol	5.08	59	1492	N.D.		
23) t12dichlorte	5.13	96	526	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	0.00	53	0	N.D.		
26) Hexane	5.47	57	27448	N.D.		
27) 11dichlorota	5.78	63	573	N.D.		
28) Vinylacetate	5.81	43	1571	N.D.		
29) chloroprene	5.74	53	907	N.D.		
30) Diisopether	5.71	45	1630	N.D.		
31) ETBE	0.00	59	0	N.D.		
32) 22dichloropr	6.50	77	3791	N.D.		
33) c12dichlorte	6.43	96	1025	N.D.		
34) 2Butanone	6.57	72	1928	N.D.		
35) Ethylacetate	6.54	88	895	N.D.		
36) propionitrile	0.00	54	0	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	0.00	67	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\338807.D Vial: 21
Acq On : 20 Aug 2013 17:17 Operator: RLD-BMS
Sample : 96824,338807,1 Inst : VMS1
Misc : 7.07g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 17:38 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.78	42	1080	N.D.	
40)	Chloroform	0.00	83	0	N.D.	
41)	111trichlota	0.00	97	0	N.D.	
42)	Cyclohexane	7.13	56	3568	N.D.	
44)	Carbtetraclo	7.26	119	1144	N.D.	
45)	11dicloprope	0.00	110	0	N.D.	
47)	Benzene	7.55	78	3306	N.D.	
48)	12dichlorota	7.63	62	1097	N.D.	
49)	TAME	0.00	73	0	N.D.	
50)	Trichloroete	8.34	95	551	N.D.	
51)	methylcyclohexane	8.53	83	1649	N.D.	
52)	12dicloropra	8.55	63	794	N.D.	
53)	23Dicl1propene	0.00	75	0	N.D.	
54)	Dibromometha	8.86	93	679	N.D.	
55)	methylmethacrylate	8.74	69	4407	N.D.	
56)	14dioxane	0.00	88	0	N.D.	
57)	Bromodiclrma	0.00	83	0	N.D.	
58)	c13Dicloproe	9.48	75	597	N.D.	
59)	4Meth2Pentan	9.75	43	2044	N.D.	
61)	Toluene	9.95	92	3717	N.D.	
62)	t13Dicloprop	10.37	75	1275	N.D.	
63)	ethylmethacrylate	10.34	69	1578	N.D.	
64)	112Triclotha	0.00	83	0	N.D.	
65)	Tetrachlorte	0.00	166	0	N.D.	
66)	13Diclorpropa	0.00	76	0	N.D.	
68)	2Hexanone	9.75	43	2044	N.D.	
69)	Clorodibrmta	0.00	129	0	N.D.	
70)	12Dibrometha	0.00	107	0	N.D.	
71)	Chlorobenzen	11.75	112	671	N.D.	
72)	1Clhexane	11.76	91	760	N.D.	
73)	1112Tetclota	11.93	131	2092	N.D.	
74)	Ethylbenzene	11.95	91	2582	N.D.	
75)	m p-Xylene	12.11	106	1498	N.D.	
76)	o-Xylene	12.66	106	650	N.D.	
77)	Styrene	12.70	104	561	N.D.	
78)	Bromoform	0.00	173	0	N.D.	
79)	Isopropylben	13.18	105	778	N.D.	
81)	cyclohexanone	13.39	55	985	N.D.	
83)	Bromobenzene	0.00	156	0	N.D.	
84)	1122Tetrclta	0.00	83	0	N.D.	
85)	123Triclproa	13.68	75	956	N.D.	
86)	n-Propylbenz	13.75	91	1183	N.D.	
87)	2chlorotolue	0.00	91	0	N.D.	
88)	4chlorotolue	14.05	91	897	N.D.	
89)	135Trimebenz	14.00	105	1380	N.D.	
90)	tbutylbenzen	14.44	119	1367	N.D.	
91)	124Trimetben	14.53	105	1255	N.D.	
92)	sbutylbenzen	14.76	105	847	N.D.	
93)	13Diclorbenz	0.00	146	0	N.D.	
94)	pIsopropylto	14.98	119	2004	N.D.	
95)	14dichlorobe	15.10	146	800	N.D.	
96)	12dichlorobe	0.00	146	0	N.D.	
97)	nButylbenzen	15.61	91	1546	N.D.	
98)	12dibromo3cl	0.00	157	0	N.D.	
99)	135Trichlorobenzene	0.00	180	0	N.D.	
100)	124Trichlobe	17.84	180	730	N.D.	
101)	Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\338807.D Vial: 21
Acq On : 20 Aug 2013 17:17 Operator: RLD-BMS
Sample : 96824,338807,1 Inst : VMS1
Misc : 7.07g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 17:38 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

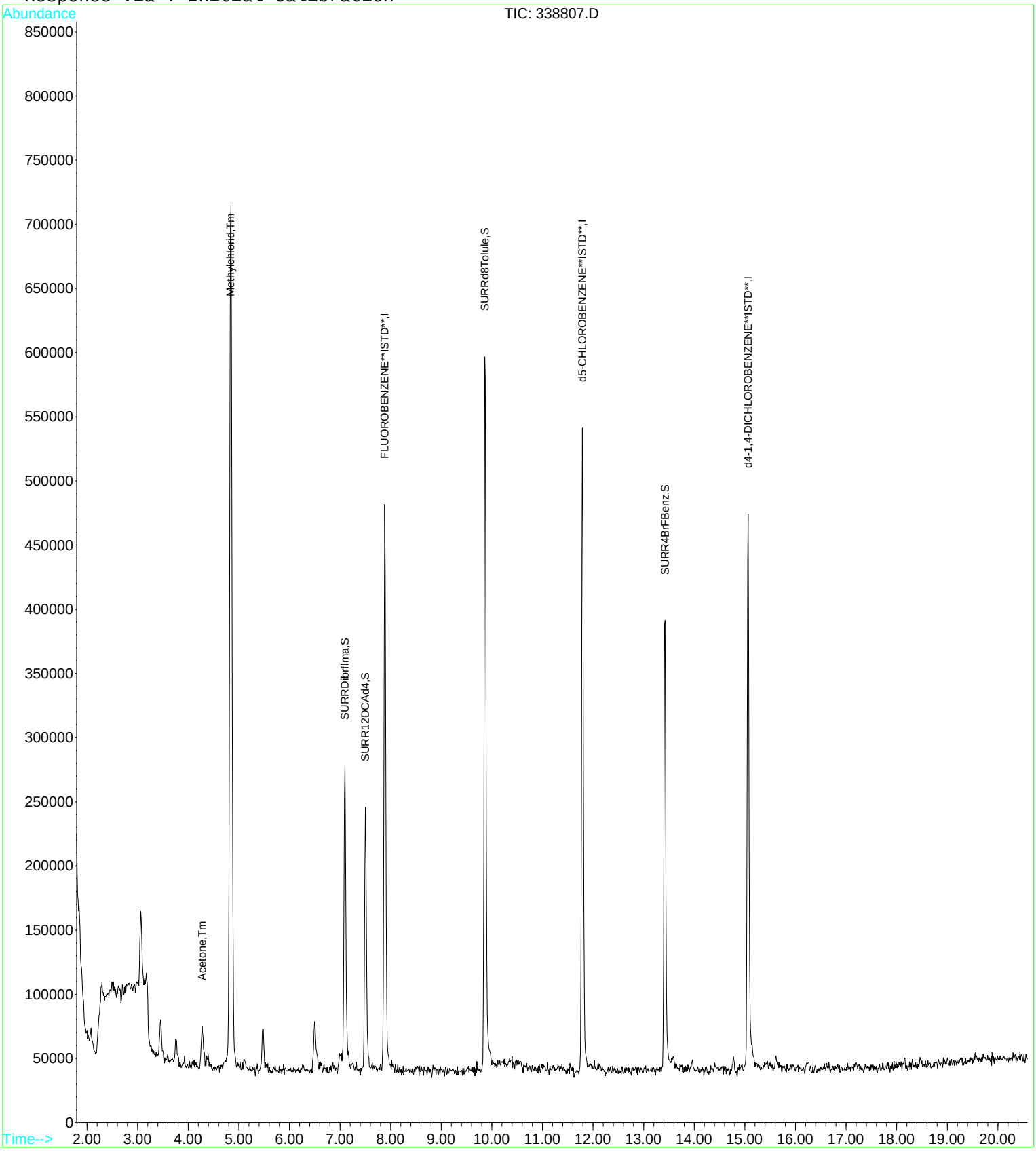
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.14	128	2128	N.D.	
103) 123Trichlben	0.00	180	0	N.D.	

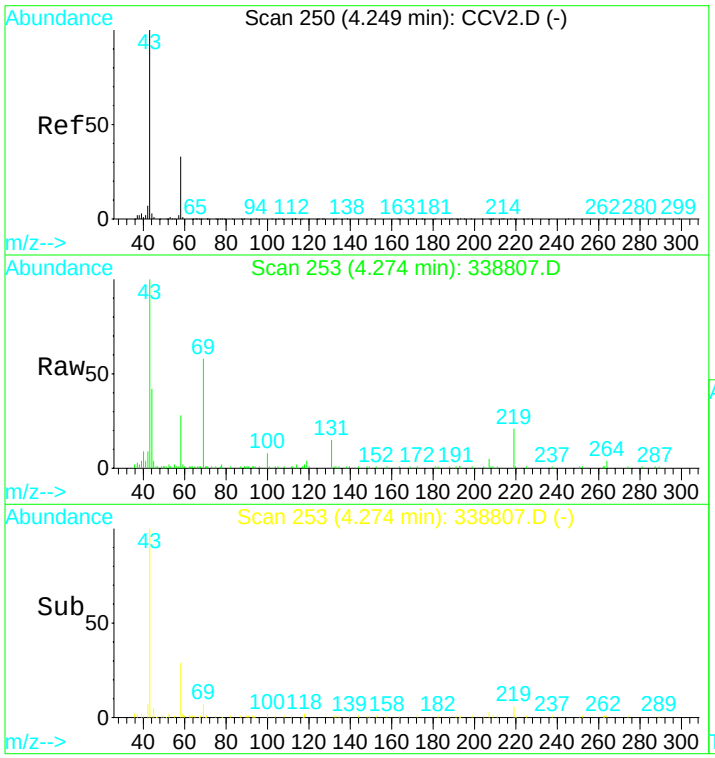
(#) = qualifier out of range (m) = manual integration
338807.D LS081913.M Thu Aug 22 12:40:13 2013

Quantitation Report

Data File : M:\DATA\AUG2013\338807.D Vial: 21
Acq On : 20 Aug 2013 17:17 Operator: RLD-BMS
Sample : 96824,338807,1 Inst : VMS1
Misc : 7.07g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 17:38 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

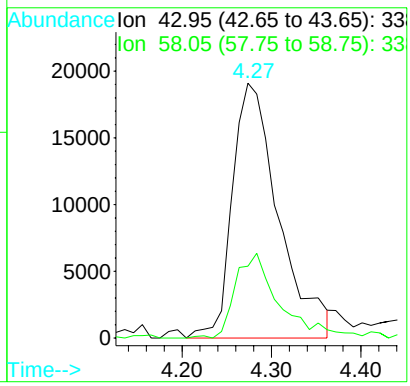


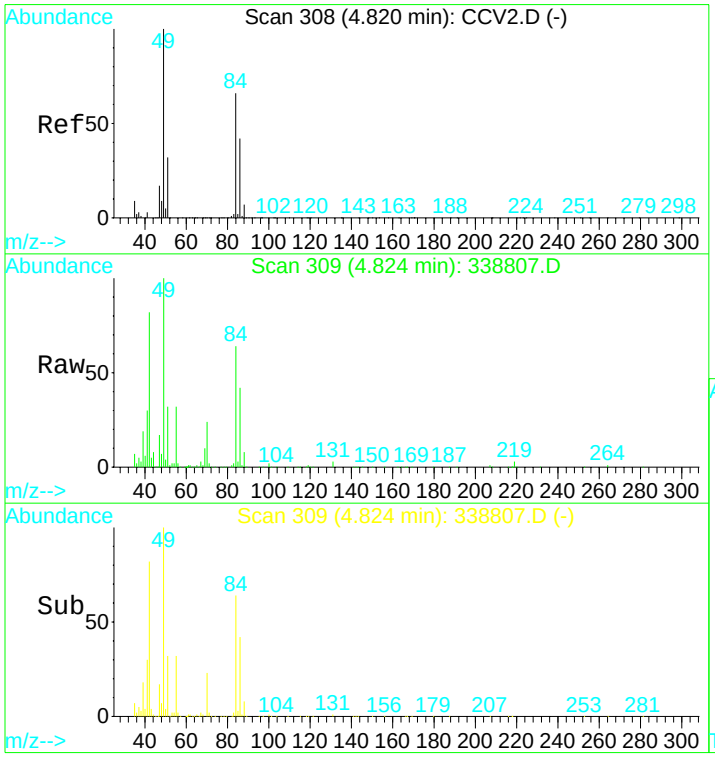


#15
Acetone
Concen: 0.01 mg/kg
RT: 4.27 min Scan# 253
Delta R.T. 0.02 min
Lab File: 338807.D
Acq: 20 Aug 2013 17:17

Tgt Ion: 43 Resp: 68686

Ion	Ratio	Lower	Upper
43	100		
58	30.4	7.4	47.4

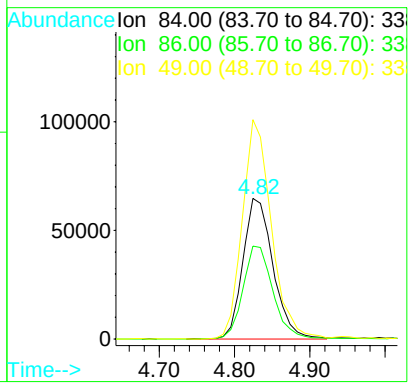




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.82 min Scan# 309
Delta R.T. -0.00 min
Lab File: 338807.D
Acq: 20 Aug 2013 17:17

Tgt Ion: 84 Resp: 180059

Ion	Ratio	Lower	Upper
84	100		
86	65.7	45.7	85.7
49	150.3	146.2	186.2



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\338808.D Vial: 22
Acq On : 20 Aug 2013 17:46 Operator: RLD-BMS
Sample : 96824,338808,1 Inst : VMS1
Misc : 6.21g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 18:07 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.89	96	548197	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.80	117	411741	0.02	mg/kg	0.02 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	182403	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	179786	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
46) SURR12DCAd4	7.51	102	39172	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 106 %			
60) SURRd8Tolule	9.87	98	527201	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.42	95	182864	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 94 %			
Target Compounds						Qvalue
2) Dichlorodi	1.90	85	10952	N.D.		
3) Chloromethan	2.16	50	2541	N.D.		
4) VinylChlorid	0.00	62	0	N.D.		
5) Bromomethane	2.83	94	2389	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) dichloroflmethane	3.37	67	513	N.D.		
8) Trichlorofma	0.00	101	0	N.D.		
9) Ethylether	0.00	59	0	N.D.		
10) dichlorotfluoroethan	3.37	67	513	N.D.		
11) propyleneoxide	3.95	58	540	N.D.		
12) Acrolein	4.04	56	686	N.D.		
13) 11dichlorthe	0.00	96	0	N.D.		
14) Trichlorotfluoroeth	0.00	101	0	N.D.		
15) Acetone	4.29	43	2857	N.D.		
16) Iodomethane	0.00	142	0	N.D.		
17) Carbon Dislf	4.39	76	7141	N.D.		
18) allylchloride	0.00	76	0	N.D.		
19) Methylacetate	0.00	74	0	N.D.		
20) Acetonitrile	4.59	41	510	N.D.		
21) Methylchlorid	4.83	84	146842	0.0058	mg/kg#	89
22) tbutylalcohol	5.09	59	1492	N.D.		
23) t12dichlorte	5.10	96	609	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	0.00	53	0	N.D.		
26) Hexane	5.47	57	7447	N.D.		
27) 11dichlorota	0.00	63	0	N.D.		
28) Vinylacetate	5.78	43	1103	N.D.		
29) chloroprene	5.87	53	519	N.D.		
30) Diisopether	0.00	45	0	N.D.		
31) ETBE	0.00	59	0	N.D.		
32) 22dichloropr	6.44	77	610	N.D.		
33) c12dichlorte	6.41	96	580	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	0.00	54	0	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	6.83	67	594	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\338808.D Vial: 22
Acq On : 20 Aug 2013 17:46 Operator: RLD-BMS
Sample : 96824,338808,1 Inst : VMS1
Misc : 6.21g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 18:07 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) Tetrahydofur	6.87	42	3984	N.D.	
40) Chloroform	6.90	83	589	N.D.	
41) 111trichlota	0.00	97	0	N.D.	
42) Cyclohexane	7.09	56	919	N.D.	
44) Carbtetraclo	7.24	119	2252	N.D.	
45) 11dicloprope	0.00	110	0	N.D.	
47) Benzene	7.56	78	1505	N.D.	
48) 12dichlorota	0.00	62	0	N.D.	
49) TAME	7.66	73	609	N.D.	
50) Trichloroete	8.35	95	793	N.D.	
51) methylcyclohexane	0.00	83	0	N.D.	
52) 12dicloropra	0.00	63	0	N.D.	
53) 23Dicl1propene	8.72	75	836	N.D.	
54) Dibromometha	8.79	93	631	N.D.	
55) methylmethacrylate	8.77	69	1996	N.D.	
56) 14dioxane	0.00	88	0	N.D.	
57) Bromodiclrma	0.00	83	0	N.D.	
58) c13Dicloproe	0.00	75	0	N.D.	
59) 4Meth2Pentan	9.75	43	1595	N.D.	
61) Toluene	9.97	92	926	N.D.	
62) t13Dicloprop	10.34	75	835	N.D.	
63) ethylmethacrylate	10.37	69	1507	N.D.	
64) 112Triclotha	0.00	83	0	N.D.	
65) Tetrachlorte	0.00	166	0	N.D.	
66) 13Diclorpropa	0.00	76	0	N.D.	
68) 2Hexanone	9.75	43	1595	N.D.	
69) Clorodibrmta	0.00	129	0	N.D.	
70) 12Dibrometha	0.00	107	0	N.D.	
71) Chlorobenzen	0.00	112	0	N.D.	
72) 1Clhexane	11.79	91	1217	N.D.	
73) 1112Tetclota	11.98	131	1498	N.D.	
74) Ethylbenzene	0.00	91	0	N.D.	
75) m p-Xylene	12.10	106	543	N.D.	
76) o-Xylene	0.00	106	0	N.D.	
77) Styrene	0.00	104	0	N.D.	
78) Bromoform	0.00	173	0	N.D.	
79) Isopropylben	0.00	105	0	N.D.	
81) cyclohexanone	13.41	55	1558	N.D.	
83) Bromobenzene	0.00	156	0	N.D.	
84) 1122Tetrclta	0.00	83	0	N.D.	
85) 123Triclproa	13.71	75	564	N.D.	
86) n-Propylbenz	13.74	91	659	N.D.	
87) 2chlorotolue	0.00	91	0	N.D.	
88) 4chlorotolue	0.00	91	0	N.D.	
89) 135Trimebenz	13.91	105	580	N.D.	
90) tbutylbenzen	14.41	119	1658	N.D.	
91) 124Trimetben	14.54	105	767	N.D.	
92) sbutylbenzen	0.00	105	0	N.D.	
93) 13Diclorbenz	14.97	146	635	N.D.	
94) pIsopropylto	14.94	119	5977	N.D.	
95) 14dichlorobe	15.08	146	809	N.D.	
96) 12dichlorobe	0.00	146	0	N.D.	
97) nButylbenzen	0.00	91	0	N.D.	
98) 12dibromo3cl	0.00	157	0	N.D.	
99) 135Trichlorobenzene	0.00	180	0	N.D.	
100) 124Trichlobe	0.00	180	0	N.D.	
101) Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\338808.D Vial: 22
Acq On : 20 Aug 2013 17:46 Operator: RLD-BMS
Sample : 96824,338808,1 Inst : VMS1
Misc : 6.21g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 18:07 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

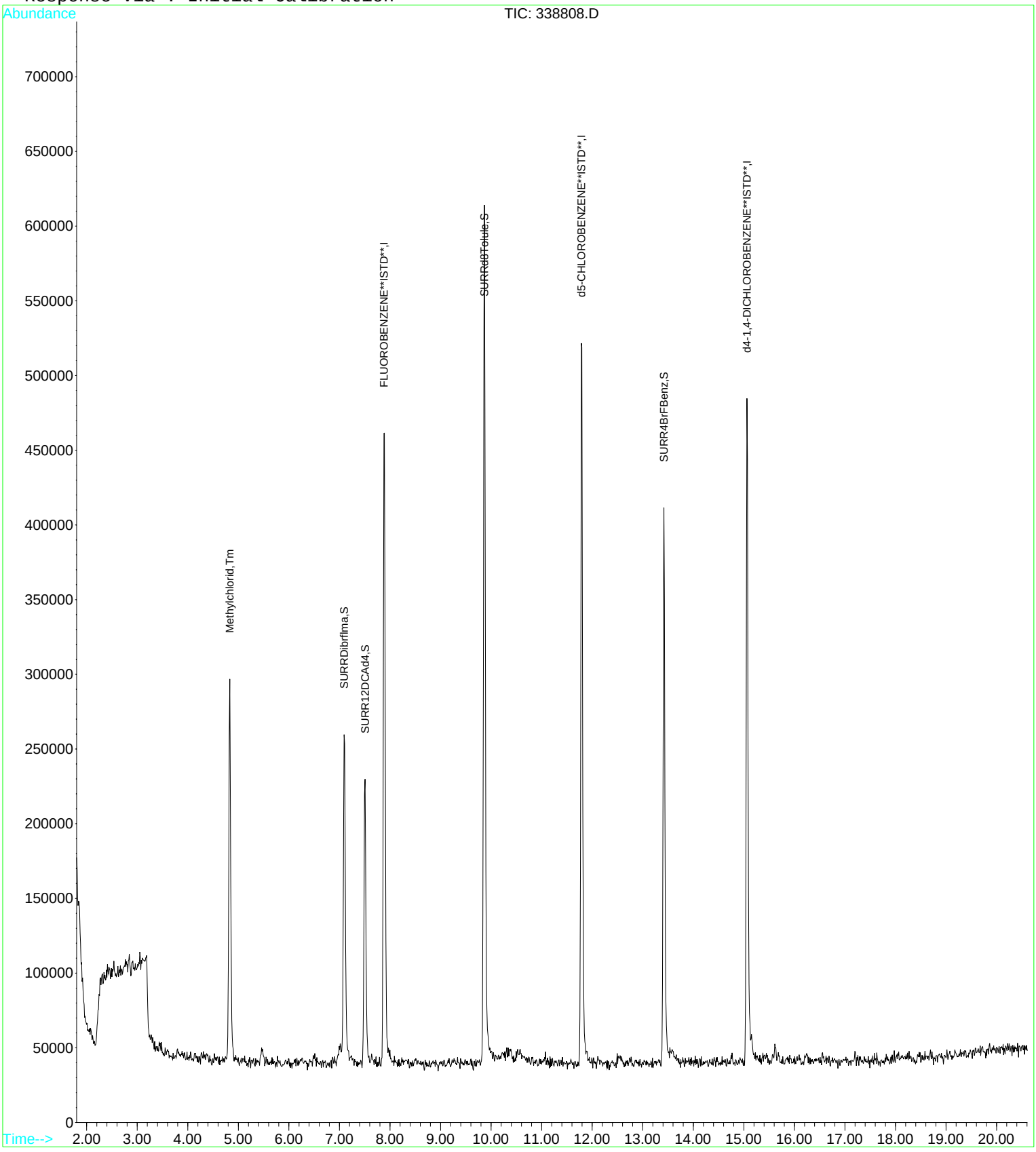
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	1310	N.D.	
103) 123Trichlben	0.00	180	0	N.D.	

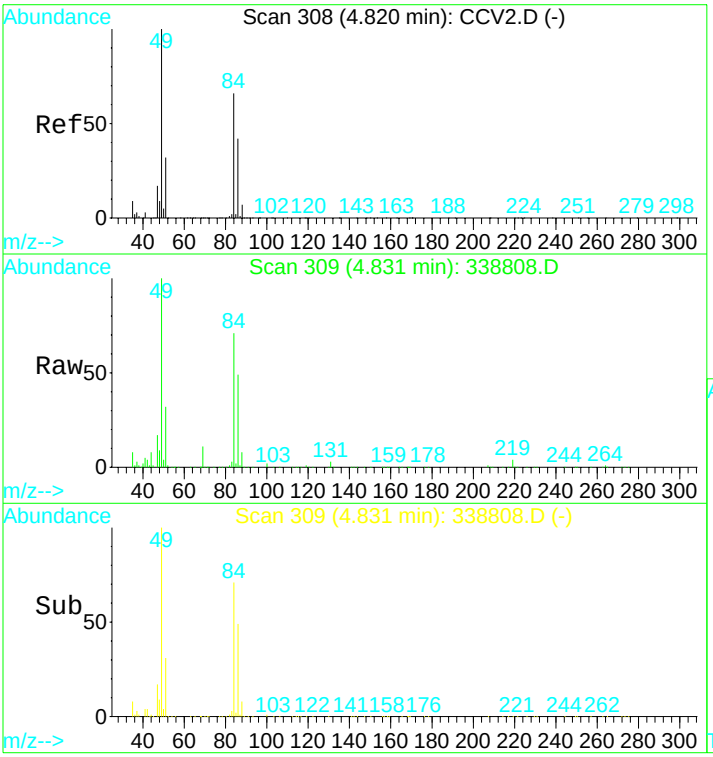
(#) = qualifier out of range (m) = manual integration
338808.D LS081913.M Thu Aug 22 12:40:24 2013 Page 144 Page 3

Quantitation Report

Data File : M:\DATA\AUG2013\338808.D Vial: 22
Acq On : 20 Aug 2013 17:46 Operator: RLD-BMS
Sample : 96824,338808,1 Inst : VMS1
Misc : 6.21g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 18:07 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

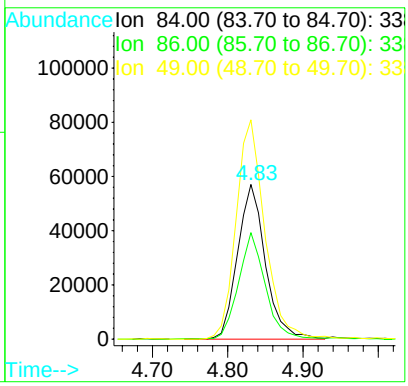




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.83 min Scan# 309
Delta R.T. 0.01 min
Lab File: 338808.D
Acq: 20 Aug 2013 17:46

Tgt Ion: 84 Resp: 146842

Ion	Ratio	Lower	Upper
84	100		
86	66.2	45.7	85.7
49	145.9	146.2	186.2#



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\338810.D Vial: 23
Acq On : 20 Aug 2013 18:15 Operator: RLD-BMS
Sample : 96824,338810,1 Inst : VMS1
Misc : 6.48g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 18:36 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	562410	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	427479	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.07	152	179158	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.10	113	192060	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
46) SURR12DCAd4	7.50	102	43550	0.018	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 113 %			
60) SURRd8Tolule	9.86	98	546484	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.41	95	196357	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 106 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	14334	N.D.		
3) Chloromethan	2.17	50	4123	N.D.		
4) VinylChlorid	2.31	62	1078	N.D.		
5) Bromomethane	2.87	94	3987	N.D.		
6) Chloroethane	2.97	64	2594	N.D.		
7) dichloroflmethane	3.39	67	736	N.D.		
8) Trichlorofma	3.35	101	2525	N.D.		
9) Ethylether	3.75	59	2865	N.D.		
10) dichlorotfluoroethan	3.39	67	736	N.D.		
11) propyleneoxide	3.82	58	681	N.D.		
12) Acrolein	4.04	56	661	N.D.		
13) 11dichlorthe	4.11	96	1834	N.D.		
14) Trichlorotfluoroeth	0.00	101	0	N.D.		
15) Acetone	4.28	43	28623	N.D.		
16) Iodomethane	4.31	142	573	N.D.		
17) Carbon Dislf	4.38	76	10851	N.D.		
18) allylchloride	0.00	76	0	N.D.		
19) Methylacetate	0.00	74	0	N.D.		
20) Acetonitrile	4.53	41	1103	N.D.		
21) Methylchlorid	4.82	84	159476	0.0061	mg/kg	90
22) tbutylalcohol	5.08	59	1133	N.D.		
23) t12dichlorte	5.12	96	619	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	5.17	53	678	N.D.		
26) Hexane	5.47	57	40893	N.D.		
27) 11dichlorota	5.74	63	610	N.D.		
28) Vinylacetate	5.80	43	902	N.D.		
29) chloroprene	0.00	53	0	N.D.		
30) Diisopether	5.79	45	1063	N.D.		
31) ETBE	6.28	59	577	N.D.		
32) 22dichloropr	6.42	77	745	N.D.		
33) c12dichlorte	6.41	96	1358	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	0.00	54	0	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	0.00	67	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\338810.D Vial: 23
Acq On : 20 Aug 2013 18:15 Operator: RLD-BMS
Sample : 96824,338810,1 Inst : VMS1
Misc : 6.48g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 18:36 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) Tetrahydofur	6.87	42	3747	N.D.	
40) Chloroform	0.00	83	0	N.D.	
41) 111trichlota	0.00	97	0	N.D.	
42) Cyclohexane	7.14	56	11516	N.D.	
44) Carbtetraclo	7.24	119	528	N.D.	
45) 11dicloprope	7.19	110	560	N.D.	
47) Benzene	7.54	78	7247	N.D.	
48) 12dichlorota	0.00	62	0	N.D.	
49) TAME	7.69	73	818	N.D.	
50) Trichloroete	8.37	95	1494	N.D.	
51) methylcyclohexane	8.55	83	1554	N.D.	
52) 12dicloropra	0.00	63	0	N.D.	
53) 23Dicl1propene	0.00	75	0	N.D.	
54) Dibromometha	8.83	93	666	N.D.	
55) methylmethacrylate	8.77	69	6596	N.D.	
56) 14dioxane	0.00	88	0	N.D.	
57) Bromodiclrma	0.00	83	0	N.D.	
58) c13Dicloproe	0.00	75	0	N.D.	
59) 4Meth2Pentan	9.74	43	593	N.D.	
61) Toluene	9.96	92	4860	N.D.	
62) t13Dicloprop	0.00	75	0	N.D.	
63) ethylmethacrylate	10.30	69	3155	N.D.	
64) 112Triclotha	0.00	83	0	N.D.	
65) Tetrachlorte	10.66	166	518	N.D.	
66) 13Diclorpropa	10.77	76	561	N.D.	
68) 2Hexanone	9.74	43	593	N.D.	
69) Clorodibrmta	0.00	129	0	N.D.	
70) 12Dibrometha	0.00	107	0	N.D.	
71) Chlorobenzen	0.00	112	0	N.D.	
72) 1Clhexane	11.79	91	1160	N.D.	
73) 1112Tetclota	11.94	131	1766	N.D.	
74) Ethylbenzene	11.94	91	888	N.D.	
75) m p-Xylene	0.00	106	0	N.D.	
76) o-Xylene	12.66	106	792	N.D.	
77) Styrene	0.00	104	0	N.D.	
78) Bromoform	0.00	173	0	N.D.	
79) Isopropylben	0.00	105	0	N.D.	
81) cyclohexanone	13.36	55	603	N.D.	
83) Bromobenzene	0.00	156	0	N.D.	
84) 1122Tetrclta	0.00	83	0	N.D.	
85) 123Triclproa	13.65	75	565	N.D.	
86) n-Propylbenz	0.00	91	0	N.D.	
87) 2chlorotolue	13.87	91	606	N.D.	
88) 4chlorotolue	0.00	91	0	N.D.	
89) 135Trimebenz	14.00	105	617	N.D.	
90) tbutylbenzen	14.46	119	748	N.D.	
91) 124Trimetben	0.00	105	0	N.D.	
92) sbutylbenzen	0.00	105	0	N.D.	
93) 13Diclorbenz	0.00	146	0	N.D.	
94) pIsopropylto	14.96	119	706	N.D.	
95) 14dichlorobe	15.10	146	679	N.D.	
96) 12dichlorobe	0.00	146	0	N.D.	
97) nButylbenzen	15.63	91	500	N.D.	
98) 12dibromo3cl	0.00	157	0	N.D.	
99) 135Trichlorobenzene	0.00	180	0	N.D.	
100) 124Trichlobe	0.00	180	0	N.D.	
101) Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\338810.D Vial: 23
Acq On : 20 Aug 2013 18:15 Operator: RLD-BMS
Sample : 96824,338810,1 Inst : VMS1
Misc : 6.48g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 18:36 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

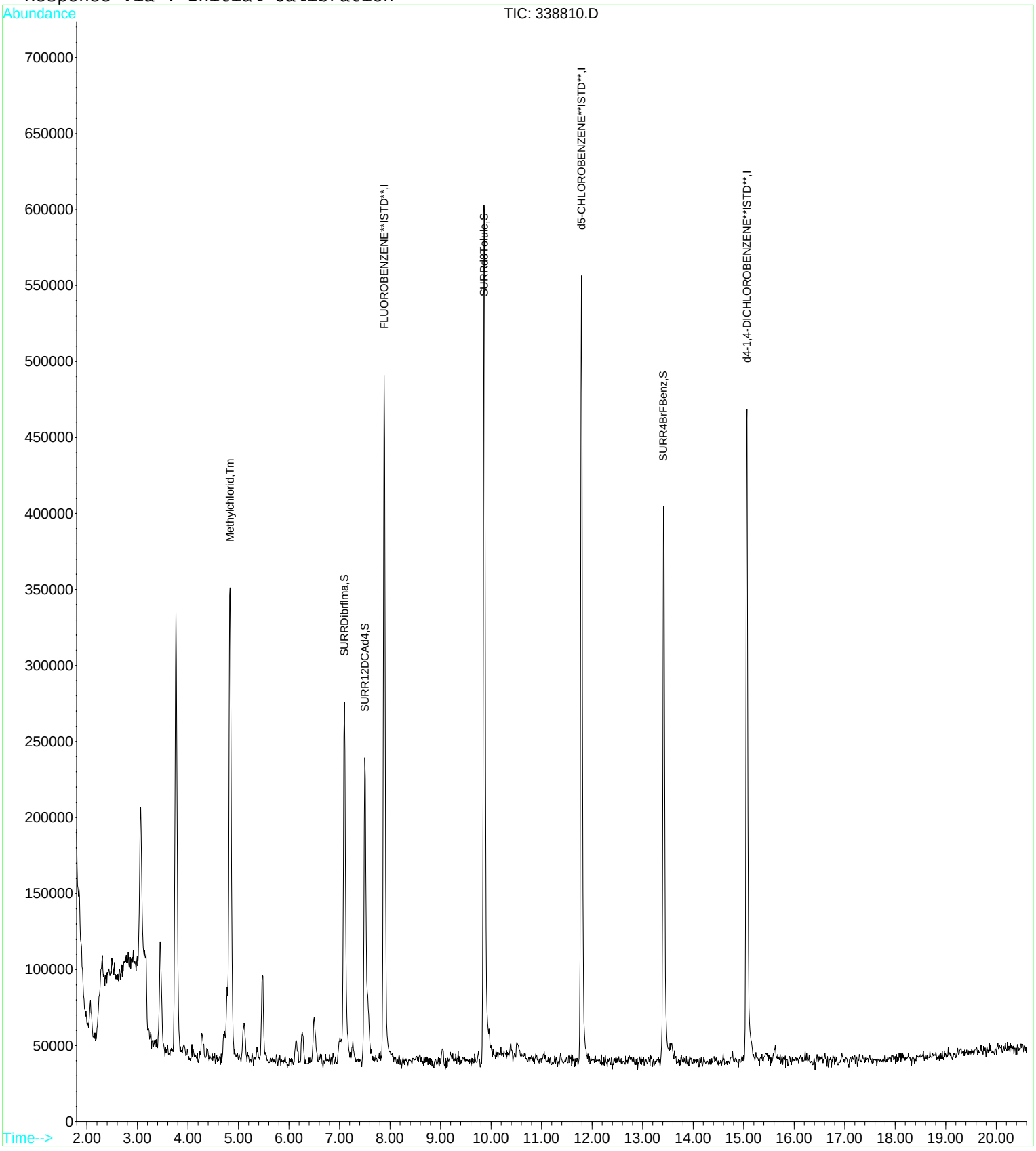
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.16	128	1068	N.D.	
103) 123Trichlben	0.00	180	0	N.D.	

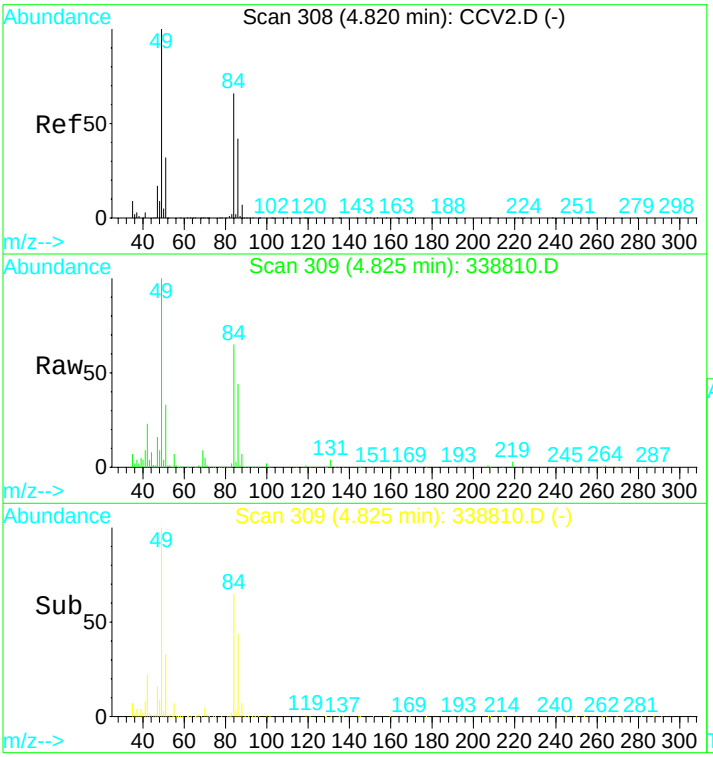
(#) = qualifier out of range (m) = manual integration
338810.D LS081913.M Thu Aug 22 12:40:49 2013 Page 149 Page 3

Quantitation Report

Data File : M:\DATA\AUG2013\338810.D Vial: 23
Acq On : 20 Aug 2013 18:15 Operator: RLD-BMS
Sample : 96824,338810,1 Inst : VMS1
Misc : 6.48g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 18:36 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

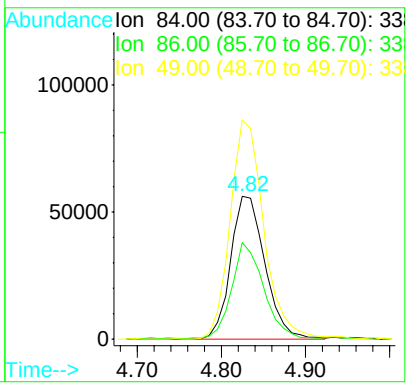




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.82 min Scan# 309
Delta R.T. -0.00 min
Lab File: 338810.D
Acq: 20 Aug 2013 18:15

Tgt Ion: 84 Resp: 159476

Ion	Ratio	Lower	Upper
84	100		
86	60.8	45.7	85.7
49	150.8	146.2	186.2



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337836.D Vial: 29
Acq On : 20 Aug 2013 23:54 Operator: RLD-BMS
Sample : 96824,337836,1 Inst : VMS1
Misc : 5.0g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 0:15 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	533235	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	402002	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.07	152	183129	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.10	113	170590	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
46) SURR12DCAd4	7.50	102	34557	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
60) SURRd8Tolule	9.86	98	518933	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 106 %			
82) SURR4BrFBenz	13.41	95	184399	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 94 %			
Target Compounds						Qvalue
2) Dichlorodi	1.90	85	13428	N.D.		
3) Chloromethan	2.15	50	4786	N.D.		
4) VinylChlorid	0.00	62	0	N.D.		
5) Bromomethane	2.83	94	3940	N.D.		
6) Chloroethane	3.05	64	2219	N.D.		
7) dichloroflmethane	3.30	67	647	N.D.		
8) Trichlorofma	3.35	101	3260	N.D.		
9) Ethylether	0.00	59	0	N.D.		
10) dichlorotfluoroethan	3.34	67	577	N.D.		
11) propyleneoxide	3.96	58	684	N.D.		
12) Acrolein	4.10	56	830	N.D.		
13) 11dichlorthe	0.00	96	0	N.D.		
14) Trichlorotfluoroeth	0.00	101	0	N.D.		
15) Acetone	4.29	43	8779	N.D.		
16) Iodomethane	4.33	142	574	N.D.		
17) Carbon Dislf	4.39	76	3000	N.D.		
18) allylchloride	0.00	76	0	N.D.		
19) Methylacetate	0.00	74	0	N.D.		
20) Acetonitrile	4.63	41	913	N.D.		
21) Methylchlorid	4.82	84	226820	0.0093	mg/kg#	88
22) tbutylalcohol	5.08	59	659	N.D.		
23) t12dichlorte	5.16	96	524	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	5.28	53	637	N.D.		
26) Hexane	5.47	57	11247	N.D.		
27) 11dichlorota	0.00	63	0	N.D.		
28) Vinylacetate	5.79	43	1576	N.D.		
29) chloroprene	0.00	53	0	N.D.		
30) Diisopether	5.74	45	1350	N.D.		
31) ETBE	6.22	59	533	N.D.		
32) 22dichloropr	6.51	77	2792	N.D.		
33) c12dichlorte	6.49	96	1005	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	0.00	54	0	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	0.00	67	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337836.D Vial: 29
Acq On : 20 Aug 2013 23:54 Operator: RLD-BMS
Sample : 96824,337836,1 Inst : VMS1
Misc : 5.0g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 0:15 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	0.00	42	0	N.D.	
40)	Chloroform	0.00	83	0	N.D.	
41)	111trichlota	0.00	97	0	N.D.	
42)	Cyclohexane	7.06	56	592	N.D.	
44)	Carbtetraclo	7.27	119	507	N.D.	
45)	11dicloprope	0.00	110	0	N.D.	
47)	Benzene	7.54	78	986	N.D.	
48)	12dichlorota	0.00	62	0	N.D.	
49)	TAME	0.00	73	0	N.D.	
50)	Trichloroete	8.35	95	1561	N.D.	
51)	methylcyclohexane	0.00	83	0	N.D.	
52)	12dicloropra	0.00	63	0	N.D.	
53)	23Dicl1propene	8.67	75	608	N.D.	
54)	Dibromometha	8.76	93	577	N.D.	
55)	methylmethacrylate	8.77	69	674	N.D.	
56)	14dioxane	0.00	88	0	N.D.	
57)	Bromodiclrma	0.00	83	0	N.D.	
58)	c13Dicloproe	0.00	75	0	N.D.	
59)	4Meth2Pentan	9.73	43	1010	N.D.	
61)	Toluene	9.95	92	2548	N.D.	
62)	t13Dicloprop	10.33	75	925	N.D.	
63)	ethylmethacrylate	10.34	69	1171	N.D.	
64)	112Triclotha	0.00	83	0	N.D.	
65)	Tetrachlorte	0.00	166	0	N.D.	
66)	13Diclorpropa	0.00	76	0	N.D.	
68)	2Hexanone	9.73	43	1010	N.D.	
69)	Clorodibrmta	0.00	129	0	N.D.	
70)	12Dibrometha	0.00	107	0	N.D.	
71)	Chlorobenzen	11.82	112	568	N.D.	
72)	1Clhexane	11.80	91	752	N.D.	
73)	1112Tetclota	11.95	131	1733	N.D.	
74)	Ethylbenzene	11.98	91	1222	N.D.	
75)	m p-Xylene	12.11	106	884	N.D.	
76)	o-Xylene	0.00	106	0	N.D.	
77)	Styrene	12.70	104	668	N.D.	
78)	Bromoform	0.00	173	0	N.D.	
79)	Isopropylben	0.00	105	0	N.D.	
81)	cyclohexanone	13.42	55	1368	N.D.	
83)	Bromobenzene	0.00	156	0	N.D.	
84)	1122Tetrclta	13.68	83	505	N.D.	
85)	123Triclproa	13.75	75	580	N.D.	
86)	n-Propylbenz	13.75	91	1008	N.D.	
87)	2chlorotolue	13.89	91	513	N.D.	
88)	4chlorotolue	0.00	91	0	N.D.	
89)	135Trimebenz	14.00	105	564	N.D.	
90)	tbutylbenzen	14.46	119	645	N.D.	
91)	124Trimetben	14.55	105	933	N.D.	
92)	sbutylbenzen	0.00	105	0	N.D.	
93)	13Diclorbenz	15.00	146	572	N.D.	
94)	pIsopropylto	14.97	119	1110	N.D.	
95)	14dichlorobe	15.09	146	1044	N.D.	
96)	12dichlorobe	0.00	146	0	N.D.	
97)	nButylbenzen	15.60	91	707	N.D.	
98)	12dibromo3cl	0.00	157	0	N.D.	
99)	135Trichlorobenzene	0.00	180	0	N.D.	
100)	124Trichlobe	17.82	180	837	N.D.	
101)	Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337836.D Vial: 29
Acq On : 20 Aug 2013 23:54 Operator: RLD-BMS
Sample : 96824,337836,1 Inst : VMS1
Misc : 5.0g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 0:15 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

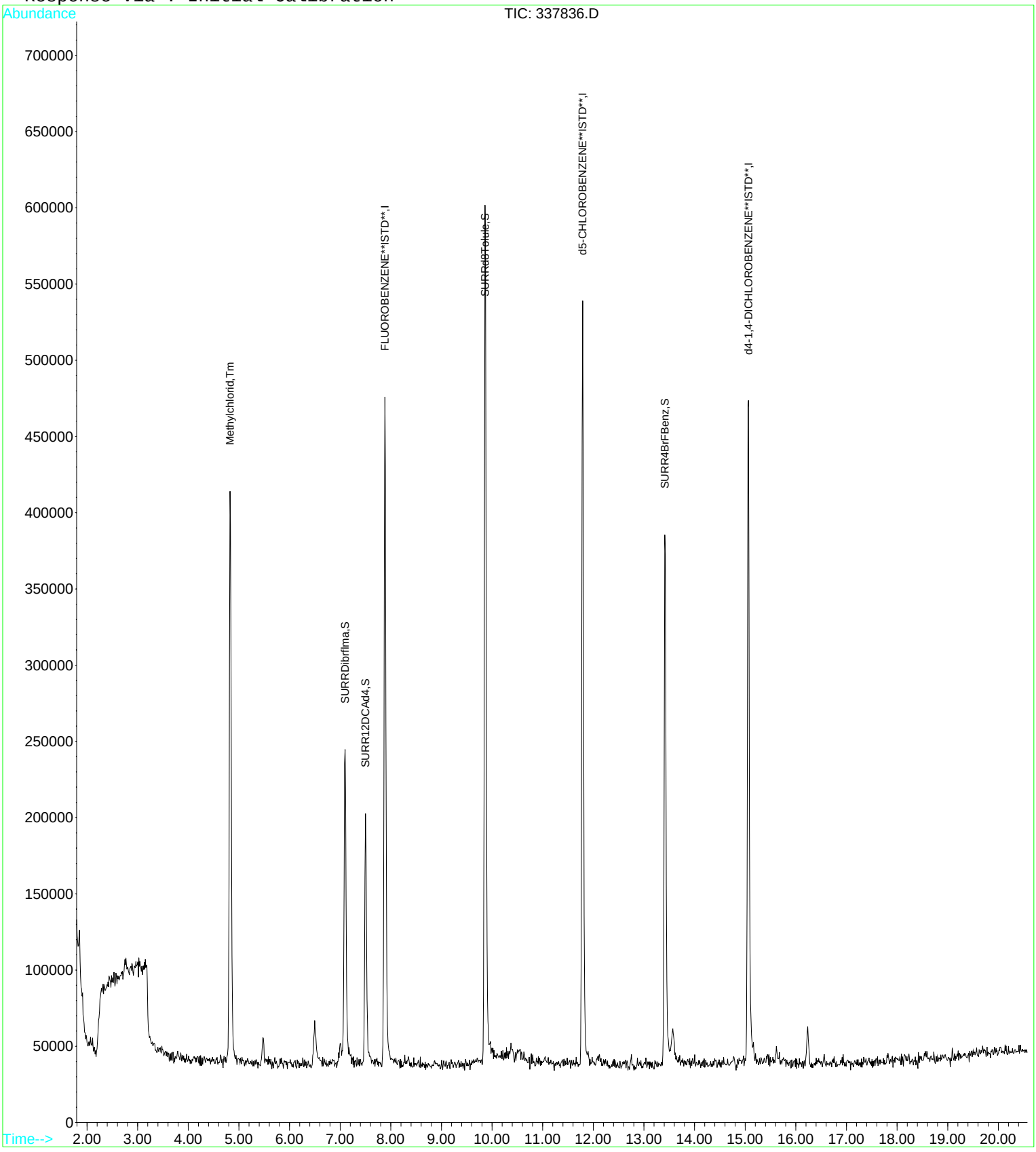
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	4064	N.D.	
103) 123Trichlben	18.45	180	981	N.D.	

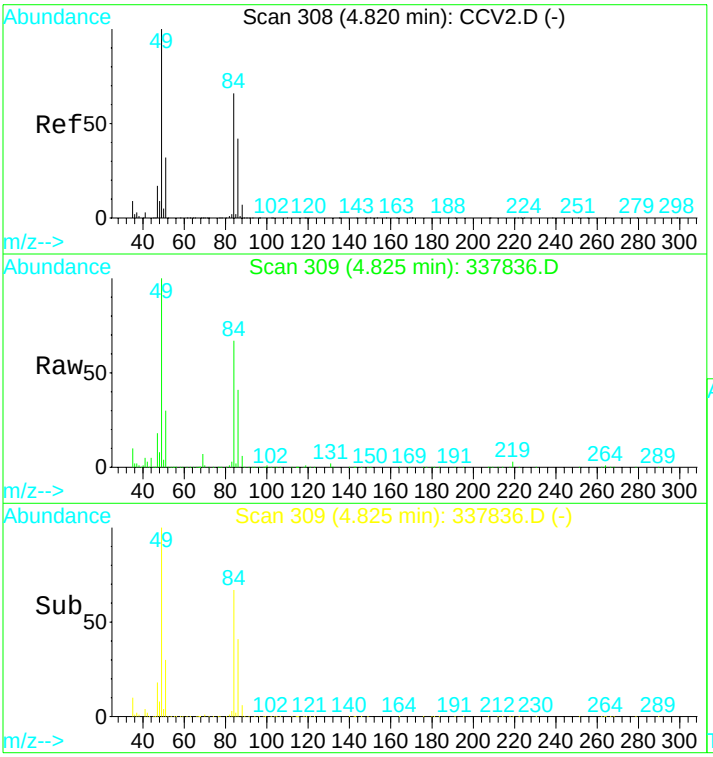
(#) = qualifier out of range (m) = manual integration
337836.D LS081913.M Thu Aug 22 12:39:48 2013 Page 154 Page 3

Quantitation Report

Data File : M:\DATA\AUG2013\337836.D Vial: 29
Acq On : 20 Aug 2013 23:54 Operator: RLD-BMS
Sample : 96824,337836,1 Inst : VMS1
Misc : 5.0g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 0:15 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

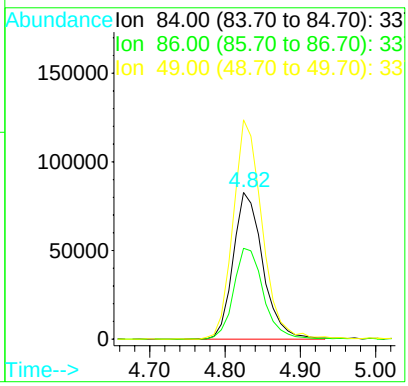




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.82 min Scan# 309
Delta R.T. -0.00 min
Lab File: 337836.D
Acq: 20 Aug 2013 23:54

Tgt Ion: 84 Resp: 226820

Ion	Ratio	Lower	Upper
84	100		
86	61.9	45.7	85.7
49	145.3	146.2	186.2#



Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG2013\338809.D Vial: 30
Acq On : 21 Aug 2013 00:23 Operator: RLD-BMS
Sample : 96824,338809,1 Inst : VMS1
Misc : 5.0g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 22 12:41 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.89	96	521003	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	396473	0.02	mg/kg	0.01 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	181723	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.10	113	172899	0.015	mg/kg	0.01
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
46) SURR12DCAd4	7.50	102	33544	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
60) SURRd8Tolule	9.86	98	520092	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 106 %			
82) SURR4BrFBenz	13.41	95	186195	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 100 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	29012	0.0013	mg/kg	93
3) Chloromethan	2.16	50	6504	N.D.		
4) VinylChlorid	2.38	62	1508	N.D.		
5) Bromomethane	2.83	94	3711	N.D.		
6) Chloroethane	2.92	64	3951	N.D.		
7) dichloroflmethane	0.00	67	0	N.D.		
8) Trichlorofma	3.34	101	8795	N.D.		
9) Ethylether	0.00	59	0	N.D. d		
10) dichlorotfluoroethan	0.00	67	0	N.D.		
11) propyleneoxide	3.79	58	2237	N.D.		
12) Acrolein	4.05	56	906	N.D.		
13) 11dichlorthe	0.00	96	0	N.D.		
14) Trichlorotfluoroeth	0.00	101	0	N.D.		
15) Acetone	4.27	43	75858	0.0152	mg/kg	92
16) Iodomethane	4.33	142	1075	N.D.		
17) Carbon Dislf	4.39	76	4730	N.D.		
18) allylchloride	0.00	76	0	N.D.		
19) Methylacetate	4.74	74	522	N.D.		
20) Acetonitrile	4.61	41	708	N.D.		
21) Methylchlorid	4.83	84	268982	0.0113	mg/kg	89
22) tbutylalcohol	5.07	59	5323	N.D.		
23) t12dichlorte	5.17	96	915	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	0.00	53	0	N.D.		
26) Hexane	5.49	57	23000	N.D.		
27) 11dichlorota	0.00	63	0	N.D.		
28) Vinylacetate	5.82	43	643	N.D.		
29) chloroprene	5.78	53	688	N.D.		
30) Diisopether	0.00	45	0	N.D.		
31) ETBE	6.24	59	1682	N.D.		
32) 22dichloropr	6.50	77	5187	N.D.		
33) c12dichlorte	6.48	96	641	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	0.00	54	0	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	6.79	67	525	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG2013\338809.D Vial: 30
Acq On : 21 Aug 2013 00:23 Operator: RLD-BMS
Sample : 96824,338809,1 Inst : VMS1
Misc : 5.0g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 22 12:41 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.89	42	3570	N.D.	
40)	Chloroform	6.89	83	6956	N.D.	
41)	111trichlota	0.00	97	0	N.D.	
42)	Cyclohexane	7.10	56	636	N.D.	
44)	Carbtetraclo	7.24	119	717	N.D.	
45)	11dicloprope	0.00	110	0	N.D.	
47)	Benzene	7.53	78	933	N.D.	
48)	12dichlorota	0.00	62	0	N.D.	
49)	TAME	7.61	73	879	N.D.	
50)	Trichloroete	8.33	95	996	N.D.	
51)	methylcyclohexane	0.00	83	0	N.D.	
52)	12dicloropra	0.00	63	0	N.D.	
53)	23Dicl1propene	0.00	75	0	N.D.	
54)	Dibromometha	8.82	93	607	N.D.	
55)	methylmethacrylate	8.76	69	1234	N.D.	
56)	14dioxane	0.00	88	0	N.D.	
57)	Bromodiclrma	0.00	83	0	N.D.	
58)	c13Dicloproe	0.00	75	0	N.D.	
59)	4Meth2Pentan	9.75	43	1727	N.D.	
61)	Toluene	9.95	92	11464	N.D.	
62)	t13Dicloprop	10.33	75	576	N.D.	
63)	ethylmethacrylate	10.34	69	5920	N.D.	
64)	112Triclotha	0.00	83	0	N.D.	
65)	Tetrachlorte	0.00	166	0	N.D.	
66)	13Diclorpropa	0.00	76	0	N.D.	
68)	2Hexanone	9.73	43	1721	N.D.	
69)	Clorodibrmta	0.00	129	0	N.D.	
70)	12Dibrometha	0.00	107	0	N.D.	
71)	Chlorobenzen	11.85	112	633	N.D.	
72)	1Clhexane	11.78	91	1380	N.D.	
73)	1112Tetclota	11.96	131	2147	N.D.	
74)	Ethylbenzene	11.95	91	4305	N.D.	
75)	m p-Xylene	12.11	106	6092	N.D.	
76)	o-Xylene	12.67	106	1415	N.D.	
77)	Styrene	12.70	104	3070	N.D.	
78)	Bromoform	0.00	173	0	N.D.	
79)	Isopropylben	13.17	105	839	N.D.	
81)	cyclohexanone	13.42	55	946	N.D.	
83)	Bromobenzene	0.00	156	0	N.D.	
84)	1122Tetrclta	0.00	83	0	N.D.	
85)	123Triclproa	13.68	75	607	N.D.	
86)	n-Propylbenz	13.74	91	613	N.D.	
87)	2chlorotolue	13.90	91	687	N.D.	
88)	4chlorotolue	14.04	91	549	N.D.	
89)	135Trimebenz	14.00	105	1157	N.D.	
90)	tbutylbenzen	14.43	119	1696	N.D.	
91)	124Trimetben	14.54	105	1879	N.D.	
92)	sbutylbenzen	14.78	105	846	N.D.	
93)	13Diclorbenz	0.00	146	0	N.D.	
94)	pIsopropylto	14.97	119	3274	N.D.	
95)	14dichlorobe	15.09	146	908	N.D.	
96)	12dichlorobe	0.00	146	0	N.D.	
97)	nButylbenzen	0.00	91	0	N.D.	
98)	12dibromo3cl	0.00	157	0	N.D.	
99)	135Trichlorobenzene	0.00	180	0	N.D.	
100)	124Trichlobe	0.00	180	0	N.D.	
101)	Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG2013\338809.D Vial: 30
Acq On : 21 Aug 2013 00:23 Operator: RLD-BMS
Sample : 96824,338809,1 Inst : VMS1
Misc : 5.0g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 22 12:41 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

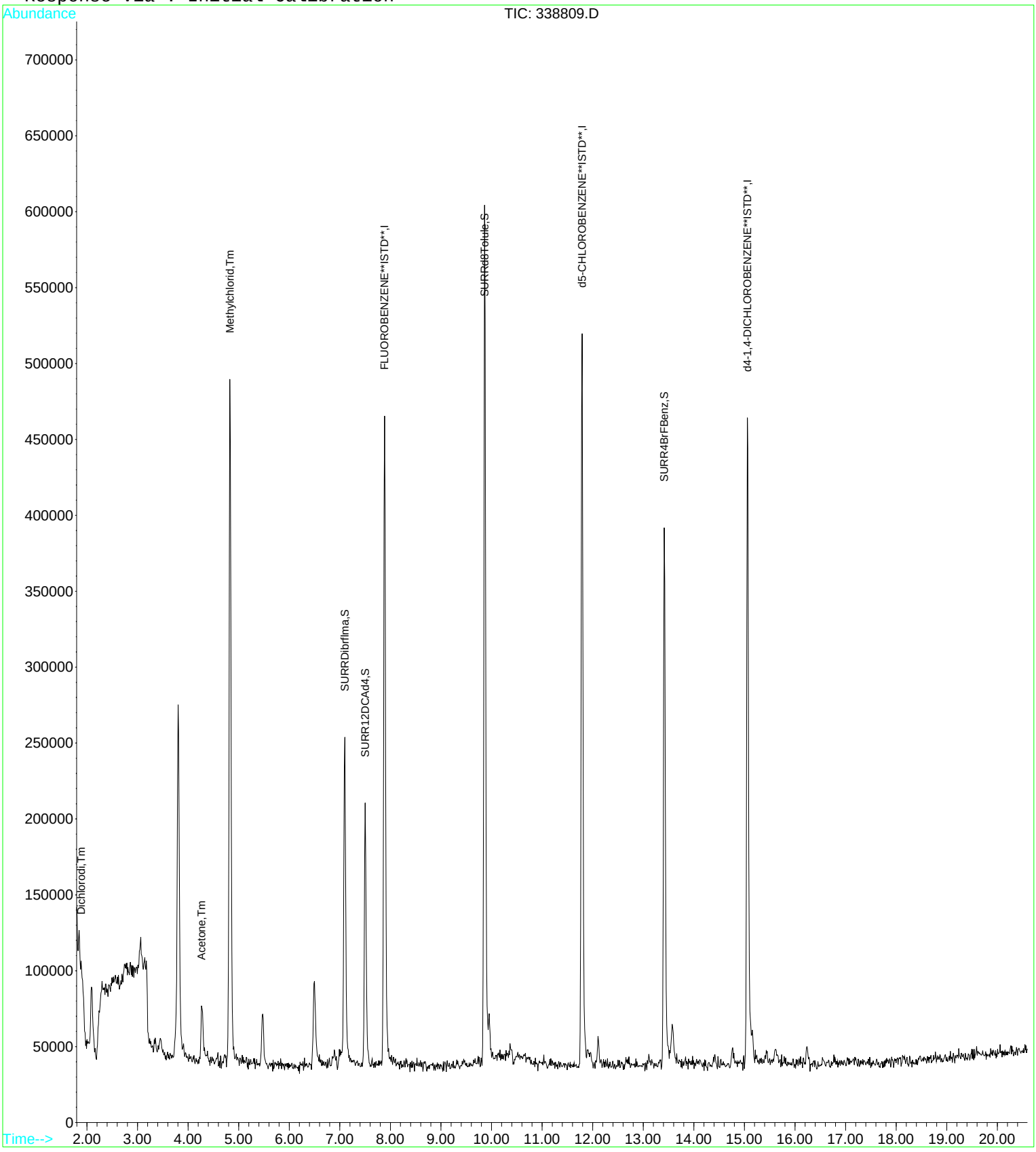
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	1855	N.D.	
103) 123Trichlben	18.46	180	627	N.D.	

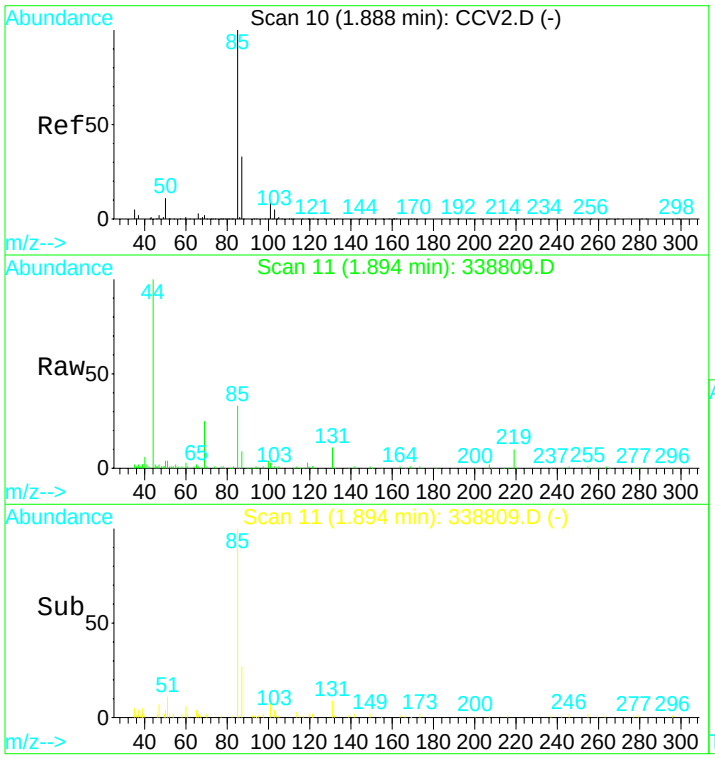
(#) = qualifier out of range (m) = manual integration
338809.D LS081913.M Thu Aug 22 12:42:06 2013 Page 159 Page 3

Quantitation Report

Data File : M:\DATA\AUG2013\338809.D Vial: 30
Acq On : 21 Aug 2013 00:23 Operator: RLD-BMS
Sample : 96824,338809,1 Inst : VMS1
Misc : 5.0g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 22 12:41 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

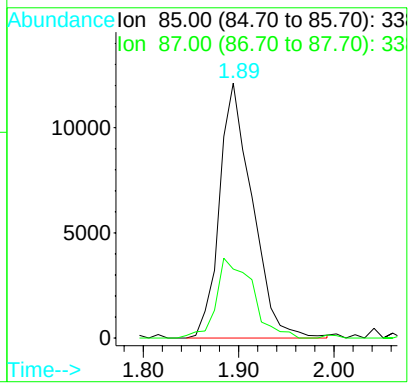


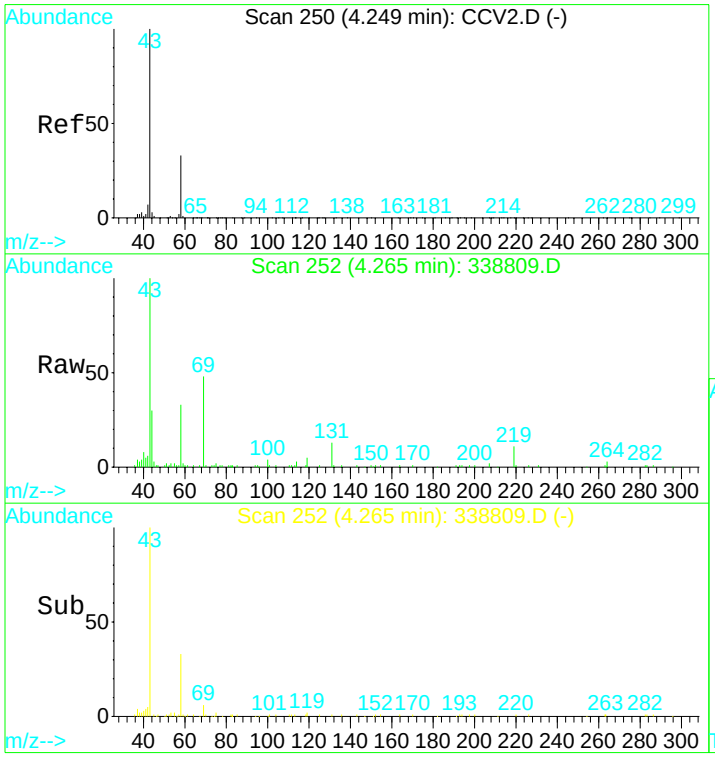


#2
Dichlorodi
Concen: 0.00 mg/kg
RT: 1.89 min Scan# 11
Delta R.T. 0.00 min
Lab File: 338809.D
Acq: 21 Aug 2013 00:23

Tgt Ion: 85 Resp: 29012

Ion	Ratio	Lower	Upper
85	100		
87	34.6	10.5	50.5

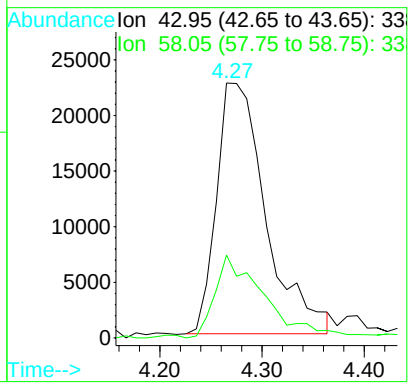


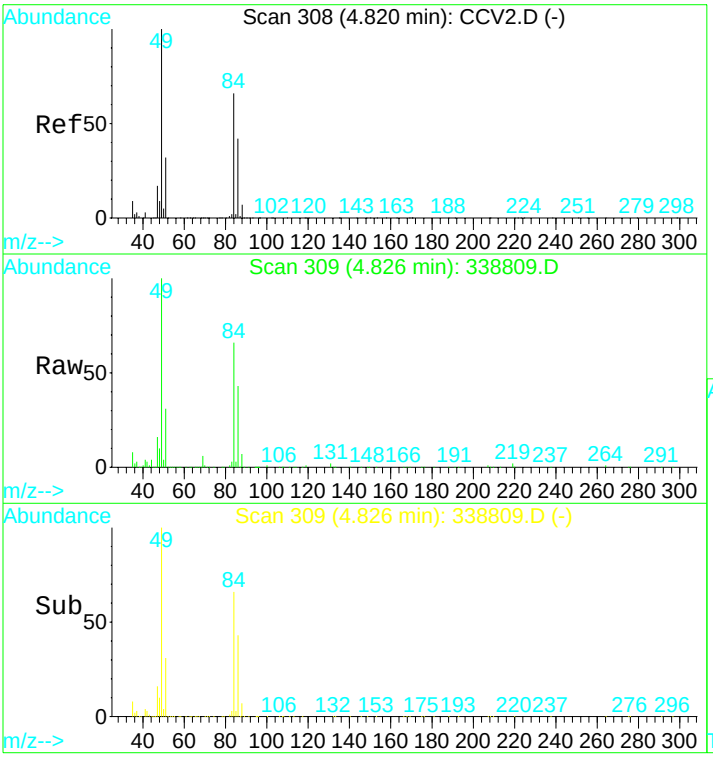


#15
Acetone
Concen: 0.02 mg/kg
RT: 4.27 min Scan# 252
Delta R.T. 0.01 min
Lab File: 338809.D
Acq: 21 Aug 2013 00:23

Tgt Ion: 43 Resp: 75858

Ion	Ratio	Lower	Upper
43	100		
58	31.5	7.4	47.4

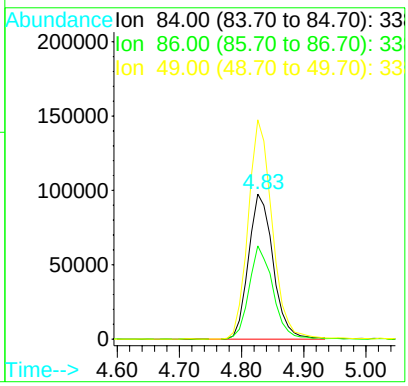




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.83 min Scan# 309
Delta R.T. 0.00 min
Lab File: 338809.D
Acq: 21 Aug 2013 00:23

Tgt Ion: 84 Resp: 268982

Ion	Ratio	Lower	Upper
84	100		
86	62.0	45.7	85.7
49	147.1	146.2	186.2



VOLATILE ORGANIC ANALYSIS
INITIAL CALIBRATION
DOCUMENTS

Response Factor Report VMS1

Method : C:\INSTARCH\VMS1\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

RJ 08/23/2013

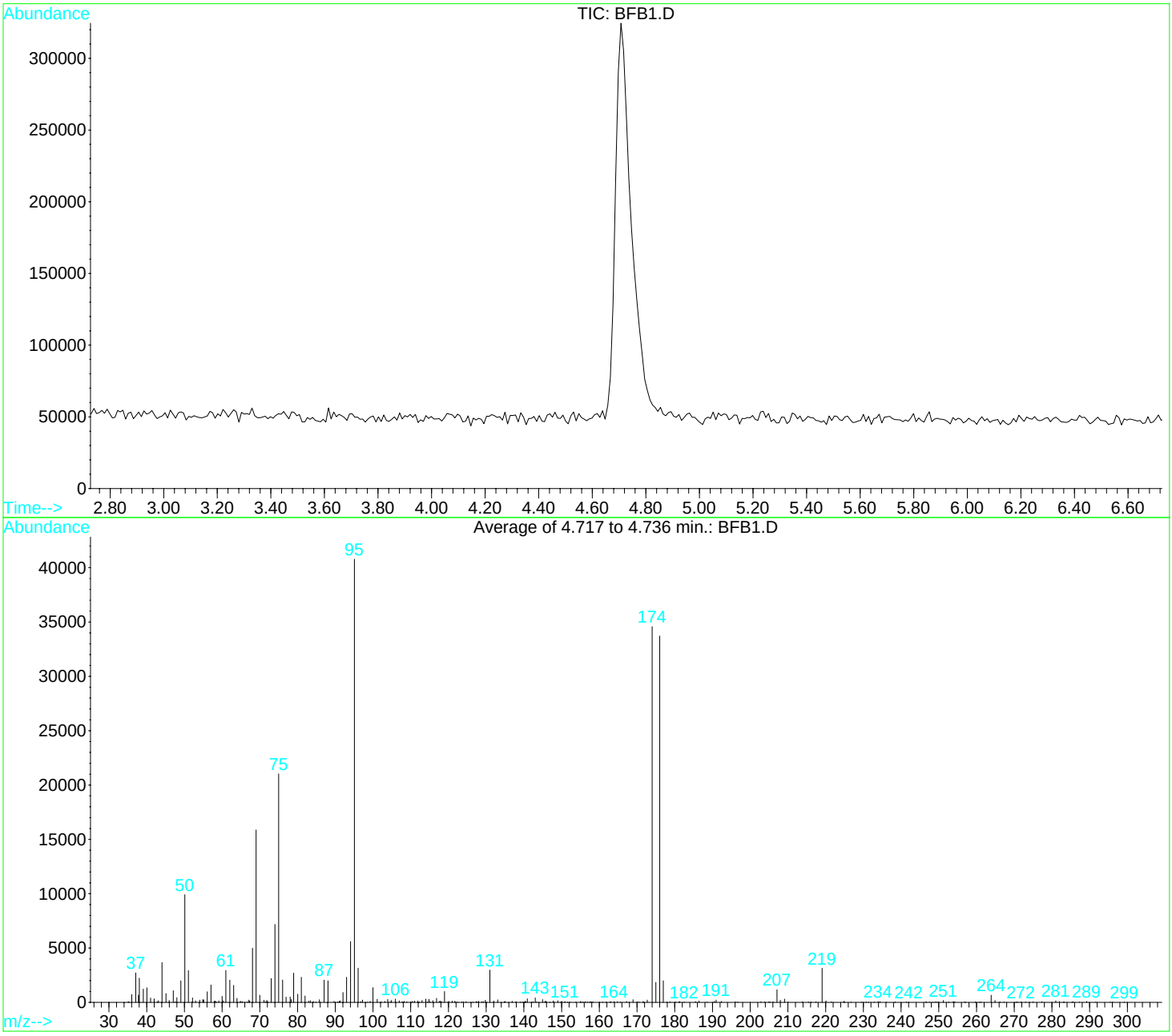
Calibration Files mg/kg
1 0.001/0.010 =CALLS1.D 2 0.002/0.020 =CALLS2.D 3 0.005/0.050 =CALLS3.D
4 0.010/0.100 =CALLS4.D 5 0.020/0.200 =CALLS5.D 6 0.030/0.300 =CALLS6.D
7 0.040/0.400 =CALLS7.D 8 0.080/0.800 =CALLS8.D

		Compound	1	2	3	4	5	6	7	8	Avg	%RSD
1)	I	FLUOROBENZENE**ISTD**	----------ISTD----------									
2)	Tm	Dichlorodi	1.031	0.974	0.882	0.922	0.854	0.865	0.796	0.750	0.884	10.29
3)	PTm	Chlorometha	1.203	1.167	1.122	1.127	1.050	1.032	0.993	0.985	1.085	7.50
4)	CTm	VinylChlori	0.957	1.029	1.041	1.144	1.071	1.072	1.029	1.002	1.043	5.30
5)	Tm	Bromomethan	1.062	0.766	0.769	0.753	0.745	0.750	0.765		0.801	14.38
6)	Tm	Chloroethan	0.656	0.696	0.666	0.688	0.629	0.658	0.630	0.638	0.658	3.79
7)	T	dichloroflm	1.683	1.612	1.672	1.714	1.608	1.582	1.553	1.555	1.622	3.75
8)	Tm	Trichlorofm	0.815	0.958	1.037	1.110	1.051	1.053	0.998	0.978	1.000	8.87
9)	T	Ethylether	0.637	0.518	0.512	0.463	0.527	0.503	0.501	0.598	0.532	10.63
10)	T	dichlorotfl	1.683	1.612	1.672	1.714	1.608	1.582	1.553	1.555	1.622	3.75
11)	T	propyleneox	0.123	0.134	0.125	0.118	0.132	0.123	0.119		0.125	5.05
12)	T	Acrolein	0.111	0.112	0.112	0.097	0.116	0.111	0.107		0.110	5.61
13)	CTm	11dichlorth	0.536	0.572	0.575	0.595	0.584	0.598	0.581	0.591	0.579	3.39
14)	T	Trichlorotf	0.365	0.487	0.588	0.631	0.606	0.665	0.600	0.593	-----	
									QO	A= -0.006	R=0.999	
										B= 0.641		
15)	Tm	Acetone	0.234	0.208	0.211	0.170	0.197	0.165	0.159		0.192	14.68
16)	T	Iodomethane	0.347	0.407	0.497	0.610	0.671	0.715	0.734	0.783	-----	
									QO	A= 0.016	R=1.000	
										B= 0.657		
17)	Tm	Carbon Disl	1.654	1.884	1.977	2.049	1.984	1.977	1.925	1.941	1.924	6.19
18)	T	allylchlori	0.149	0.165	0.163	0.177	0.176	0.173	0.172	0.170	0.168	5.32
19)	T	Methylaceta	0.309	0.325	0.290	0.290	0.369	0.344	0.332		0.323	8.95
20)	T	Acetonitril	0.211	0.218	0.226	0.227	0.214	0.215	0.210	0.214	0.217	2.96
21)	Tm	Methylchlor	5.560	3.159	1.704	1.162	0.934	0.846	0.778	0.760	-----	
									QO	A= -0.046	R=1.000	
										B= 0.938		
22)	T	tbutylalcoh	0.057	0.053	0.051	0.044	0.058	0.053	0.049		0.052#	9.32
23)	Tm	t12dichlort	0.600	0.637	0.647	0.661	0.649	0.657	0.641	0.642	0.642	2.91
24)	Tm	MtBE	1.359	1.412	1.393	1.313	1.528	1.514	1.479	1.908	1.488	12.46
25)	T	Acrylonitri	0.188	0.165	0.191	0.178	0.204	0.193	0.187		0.187	6.58
26)	T	Hexane	0.585	0.653	0.744	0.802	0.812	0.871	0.805	0.828	0.762	12.72
27)	PTm	11dichlorot	1.363	1.393	1.378	1.364	1.326	1.317	1.308	1.308	1.345	2.51
28)	T	Vinylacetat	0.566	0.623	0.751	0.832	1.081	1.140	1.107	1.040	-----	
									QO	A= -0.002	R=0.999	
										B= 1.125		
29)	T	chloroprene	0.783	0.811	0.990	1.062	1.117	1.142	1.110	1.144	1.020	14.37
30)	Tm	Diisopether	2.480	2.547	2.606	2.567	2.704	2.712	2.692	3.042	2.669	6.45
31)	T	ETBE	1.984	1.980	1.977	1.872	1.978	2.006	1.995	2.327	2.015	6.58
32)	Tm	22dichlorop	0.800	0.910	0.960	0.996	0.952	0.951	0.955	0.952	0.934	6.33
33)	Tm	c12dichlort	0.704	0.755	0.738	0.755	0.723	0.727	0.725	0.736	0.733	2.36
34)	Tm	2Butanone	0.050	0.046	0.046	0.045	0.056	0.052	0.051		0.050#	8.32
35)	T	Ethylacetat	0.014	0.011	0.014	0.015	0.016	0.015	0.014		0.014#	9.56
36)	T	propionitri	0.075	0.067	0.069	0.064	0.078	0.072	0.069		0.071#	6.45
37)	Tm	Bromochlorm	0.345	0.325	0.323	0.310	0.322	0.317	0.314	0.351	0.326	4.53
38)	T	methacrylon	0.209	0.179	0.170	0.176	0.210	0.195	0.199		0.191	8.37
39)	Tm	Tetrahydofu	0.179	0.176	0.170	0.150	0.187	0.171	0.163		0.171	6.84
40)	CTm	Chloroform	1.286	1.250	1.269	1.248	1.213	1.212	1.185	1.203	1.233	2.85
41)	Tm	111trichlot	0.721	0.810	0.924	0.989	0.951	0.957	0.954	0.955	0.908	10.22
42)	T	Cyclohexane	0.667	0.805	0.977	1.135	1.129	1.175	1.134	1.131	-----	
									QO	A= -0.005	R=1.000	
										B= 1.150		
43)	S	SURRDibrflm	0.435	0.451	0.446	0.446	0.441	0.441	0.424	0.441	0.441	1.85
44)	Tm	Carbtetracl	0.561	0.641	0.696	0.752	0.756	0.768	0.752	0.755	0.710	10.42
45)	Tm	11dicloprop	0.200	0.217	0.232	0.260	0.264	0.294	0.273	0.275	0.252	12.80
46)	S	SURR12DCAd4	0.080	0.085	0.083	0.084	0.087	0.083	0.086	0.093	0.085#	4.57
47)	Tm	Benzene	2.238	2.257	2.254	2.317	2.359	2.397	2.350	2.434	2.326	3.09
48)	Tm	12dichlorot	0.950	0.807	0.885	0.874	0.891	0.871	0.851	0.959	0.886	5.60
49)	T	TAME	1.555	1.565	1.516	1.464	1.595	1.598	1.575	1.967	1.604	9.54
50)	Tm	Trichloroet	0.499	0.567	0.596	0.596	0.612	0.632	0.608	0.625	0.592	7.16
51)	T	methylcyclo	0.499	0.689	0.768	0.891	0.878	0.997	0.903	0.915	-----	
									QO	A= -0.004	R=0.999	
										B= 0.932		
52)	CTm	12dicloropr	0.659	0.630	0.647	0.694	0.713	0.733	0.736	0.779	0.699	7.29

```
 53) T   23Dicl1prop 0.745 0.938 0.912 0.965 0.981 1.024 1.029 1.098 0.962  10.94
 54) Tm  Dibromometh 0.422 0.451 0.442 0.434 0.451 0.441 0.430 0.512 0.448   6.19
 55) T   methylmetha 0.552 0.391 0.371 0.307 0.359 0.337 0.326 0.490 -----
                                                        QO A=  0.063 R=0.997
                                                           B=  0.236
 56) T   14dioxane   0.005 0.004 0.004 0.004 0.005 0.005 0.004       0.004#  7.92
 57) Tm  Bromodiclrm 0.840 0.807 0.875 0.841 0.885 0.889 0.873 0.944 0.869   4.73
 58) Tm  c13Diclopro 0.788 0.787 0.867 0.898 0.980 1.027 1.032 1.156 0.942  13.77
 59) Tm  4Meth2Penta 0.579 0.594 0.574 0.511 0.611 0.570 0.543 0.786 0.596  13.87
 60) S   SURRd8Tolul 1.212 1.215 1.209 1.222 1.155 1.136 1.142 1.138 1.179   3.30
 61) CTm Toluene     1.447 1.403 1.408 1.412 1.360 1.385 1.336 1.357 1.389   2.62
 62) Tm  t13Diclopro 0.605 0.670 0.654 0.715 0.799 0.838 0.828       0.730  12.67
 63) T   ethylmethac 0.764 0.667 0.700 0.625 0.694 0.663 0.655 0.911 0.710  12.80
 64) Tm  112Tricloth 0.446 0.401 0.397 0.379 0.421 0.418 0.414 0.509 0.423   9.41
 65) Tm  Tetrachlort 0.420 0.481 0.521 0.539 0.522 0.559 0.514 0.517 0.509   8.29
 66) Tm  13Diclorpro 0.880 0.834 0.864 0.796 0.876 0.876 0.860 1.058 0.880   8.76

 67) I   d5-CHLOROBENZENE**IST ----------------ISTD---------------------
 68) T   2Hexanone   0.813 0.838 0.824 0.719 0.899 0.855 0.810 1.160 0.865  14.99
 69) Tm  Clorodibrmt 0.681 0.736 0.762 0.706 0.814 0.827 0.817 0.980 0.790  11.84
 70) Tm  12Dibrometh 0.721 0.662 0.677 0.609 0.743 0.749 0.714 0.915 0.724  12.46
 71) PTm Chlorobenze 1.971 1.992 2.063 2.045 2.064 2.132 2.058 2.088 2.051   2.49
 72) T   1Clhexane   0.893 1.026 1.069 1.187 1.200 1.368 1.213 1.216 1.147  12.66
 73) Tm  1112Tetclot 0.894 0.861 0.741 0.691 0.729 0.755 0.741 0.800 0.777   8.95
 74) CTm Ethylbenzen 3.116 3.321 3.633 3.626 3.757 3.920 3.756 3.781 3.614   7.37
 75) Tm  m p-Xylene  1.096 1.147 1.223 1.267 1.302 1.383 1.290 1.298 1.251   7.40
 76) Tm  o-Xylene    1.158 1.222 1.247 1.216 1.244 1.318 1.299 1.534 1.280   8.91
 77) Tm  Styrene     2.067 2.058 2.157 2.146 2.256 2.336 2.292 2.777 2.261  10.25
 78) PTm Bromoform   0.385 0.462 0.449 0.429 0.507 0.499 0.489       0.460   9.44
 79) Tm  Isopropylbe 2.508 2.948 3.157 3.228 3.359 3.549 3.315 3.938 3.250  12.89

 80) I   d4-1,4-DICHLOROBENZEN ----------------ISTD---------------------
 81) T   cyclohexano 0.055 0.056 0.054 0.048 0.059 0.050 0.047       0.053#  8.81
 82) S   SURR4BrFBen 1.410 1.396 1.325 1.342 1.272 1.190 1.194 1.297 1.303   6.35
 83) Tm  Bromobenzen 1.919 1.809 1.744 1.764 1.749 1.702 1.597 1.781 1.758   5.21
 84) PTm 1122Tetrclt 2.036 1.978 2.032 1.719 1.965 1.790 1.693 2.618 1.979  14.79
 85) Tm  123Triclpro 1.993 1.860 1.880 1.624 1.950 1.754 1.683       1.821   7.55
 86) Tm  n-Propylben 7.455 7.713 8.691 8.843 8.710 8.813 8.031 8.796 8.382   6.69
 87) Tm  2chlorotolu 4.874 4.671 5.126 4.723 4.730 4.663 4.295 4.727 4.726   4.89
 88) Tm  4chlorotolu 5.127 4.945 5.540 5.474 5.544 5.447 5.004 5.374 5.307   4.61
 89) Tm  135Trimeben 4.914 4.961 5.393 5.367 5.255 5.322 4.936 5.359 5.188   4.10
 90) Tm  tbutylbenze 3.548 4.316 4.381 4.473 4.349 4.782 4.733 4.419 4.375   8.61
 91) Tm  124Trimetbe 4.997 4.587 5.288 5.120 5.144 5.808 5.510 5.158 5.201   6.90
 92) Tm  sbutylbenze 5.594 6.256 7.105 7.445 7.255 8.429 7.959 7.310 7.169  12.51
 93) Tm  13Diclorben 3.067 2.963 3.168 2.992 3.201 3.373 3.152 3.106 3.128   4.14
 94) Tm  pIsopropylt 4.650 4.763 5.310 5.361 5.848 6.265 5.771 5.698 5.458  10.10
 95) Tm  14dichlorob 3.117 2.955 3.089 3.000 3.205 3.386 3.064 3.084 3.113   4.28
 96) Tm  12dichlorob 2.768 2.568 2.951 2.842 3.069 3.179 3.013 3.054 2.930   6.69
 97) Tm  nButylbenze 4.520 4.624 5.312 5.534 5.959 6.791 5.983 5.785 5.564  13.46
 98) Tm  12dibromo3c 0.290 0.300 0.267 0.235 0.323 0.327 0.334       0.297  12.07
 99) T   135Trichlor 1.784 1.937 2.011 2.018 2.103 2.507 2.331 2.061 2.094  10.84
100) Tm  124Trichlob 1.399 1.612 1.689 1.579 1.798 2.097 1.949 1.813 1.742  12.68
101) Tm  Hexachlorob 0.610 0.855 0.921 1.059 1.079 1.347 1.296 1.068 -----
                                                        QO A= -0.075 R=0.995
                                                           B=  1.375
102) Tm  Naphthalene 2.795 2.894 2.914 2.842 3.598 3.704 3.908 3.222 3.235  13.69
103) Tm  123Trichlbe 1.261 1.472 1.519 1.476 1.677 1.896 1.856 1.772 1.616  13.64
 ------------------------------------------------------------------------------
                                            Total Average %RSD   8.15
 ------------------------------------------------------------------------------
 L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
 (#) = Out of Range

          LS081913.M        Thu Aug 22 12:00:47 2013
```

Data File : M:\DATA\AUG1913\BFB1.D
Acq On : 19 Aug 2013 8:12
Sample : BFB
Misc : 50 ng
MS Integration Params: VOC.P
Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260

Vial: 1
Operator: RLD-BMS
Inst : VMS1
Multiplr: 1.00



Spectrum Information: Average of 4.717 to 4.736 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.3	9910	PASS
75	95	30	60	51.6	21035	PASS
95	95	100	100	100.0	40781	PASS
96	95	5	9	7.7	3152	PASS
173	174	0.00	2	0.6	212	PASS
174	95	50	100	84.8	34579	PASS
175	174	5	9	5.3	1837	PASS
176	174	95	101	97.5	33715	PASS
177	176	5	9	5.9	1998	PASS

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG1913\CALLS1.D Vial: 5
Acq On : 19 Aug 2013 10:07 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.001/0.01 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:14 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	469225	0.02 mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.78	117	335439	0.02 mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	146394	0.02 mg/kg	0.00 NA%
System Monitoring Compounds					
43) SURRDibrflma	7.09	113	163143	0.016 mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %		
46) SURR12DCAd4	7.50	102	30103	0.015 mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %		
60) SURRd8Tolule	9.86	98	454939	0.016 mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %		
82) SURR4BrFBenz	13.41	95	165147	0.017 mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 106 %		
Target Compounds					Qvalue
2) Dichlorodi	1.89	85	24197	0.0011 mg/kg	100
3) Chloromethan	2.16	50	28222	0.0011 mg/kg	94
4) VinylChlorid	2.31	62	22442	0.0008 mg/kg	78
5) Bromomethane	2.82	94	24918	0.0014 mg/kg	94
6) Chloroethane	2.98	64	15401	0.0010 mg/kg	85
7) dichloroflmethane	3.32	67	39493	0.0010 mg/kg#	74
8) Trichlorofma	3.34	101	19132	0.0007 mg/kg	90
9) Ethylether	3.80	59	14934	0.0014 mg/kg	99
10) dichlorotfluoroethan	3.32	67	39493	0.0010 mg/kg	96
11) propyleneoxide	3.91	58	28971	0.0105 mg/kg	85
12) Acrolein	4.04	56	12982	0.0057 mg/kg	95
13) 11dichlorthe	4.11	96	12573	0.0009 mg/kg#	79
14) Trichlorotfluoroeth	4.10	101	17131	0.0012 mg/kg	93
15) Acetone	4.27	43	54942m	0.0137 mg/kg	97
16) Iodomethane	4.32	142	16295	No Calib	
17) Carbon Dislf	4.38	76	77632	0.0016 mg/kg	89
18) allylchloride	4.64	76	14029	0.0034 mg/kg#	89
19) Methylacetate	4.71	74	7259	0.0011 mg/kg	70
20) Acetonitrile	4.63	41	49394	0.0092 mg/kg	97
21) Methylchlorid	4.83	84	130444	No Calib	
22) tbutylalcohol	5.07	59	67063	0.0651 mg/kg	97
23) t12dichlorte	5.17	96	14080	0.0009 mg/kg	93
24) MtBE	5.15	73	31886	0.0010 mg/kg#	98
25) Acrylonitrile	5.21	53	22033	0.0053 mg/kg	91
26) Hexane	5.48	57	27447m	0.0015 mg/kg	89
27) 11dichlorota	5.72	63	31978	0.0010 mg/kg	95
28) Vinylacetate	5.81	43	132797	No Calib	
29) chloroprene	5.82	53	36749m	0.0015 mg/kg	93
30) Diisopether	5.78	45	58190	0.0010 mg/kg	97
31) ETBE	6.23	59	46544	0.0011 mg/kg	97
32) 22dichloropr	6.44	77	18759	0.0008 mg/kg	89
33) c12dichlorte	6.49	96	16505	0.0009 mg/kg	93
34) 2Butanone	6.54	72	11812	0.0111 mg/kg	78
35) Ethylacetate	6.60	88	1666	0.0052 mg/kg#	83
36) propionitrile	6.63	54	17554	0.0117 mg/kg	95
37) Bromochlorma	6.78	128	8105	0.0011 mg/kg	96
38) methacrylonitrile	6.78	67	9795	0.0024 mg/kg#	87

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG1913\CALLS1.D Vial: 5
Acq On : 19 Aug 2013 10:07 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.001/0.01 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:14 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.84	42	41944	0.0119 mg/kg	90
40)	Chloroform	6.89	83	30163	0.0010 mg/kg	97
41)	111trichlota	7.05	97	16904	0.0007 mg/kg	95
42)	Cyclohexane	7.10	56	15648m	0.0006 mg/kg#	32
44)	Carbtetraclo	7.26	119	13158	0.0007 mg/kg	98
45)	11dicloprope	7.26	110	4690	0.0008 mg/kg#	80
47)	Benzene	7.53	78	52506	0.0010 mg/kg#	1
48)	12dichlorota	7.59	62	22287	0.0011 mg/kg	98
49)	TAME	7.64	73	36474	0.0011 mg/kg	88
50)	Trichloroete	8.34	95	11710	0.0008 mg/kg	93
51)	methylcyclohexane	8.52	83	11708	0.0006 mg/kg	94
52)	12dicloropra	8.62	63	15464	0.0009 mg/kg	99
53)	23Dicl1propene	8.69	75	17474	0.0008 mg/kg	93
54)	Dibromometha	8.81	93	9910	0.0010 mg/kg	85
55)	methylmethacrylate	8.77	69	12960	No Calib #	
56)	14dioxane	8.82	88	5609	0.0578 mg/kg#	73
57)	Bromodiclrma	9.00	83	19715	0.0010 mg/kg	93
58)	c13Dicloproe	9.56	75	18481	0.0009 mg/kg	100
59)	4Meth2Pentan	9.72	43	135829	0.0113 mg/kg	98
61)	Toluene	9.94	92	33956	0.0010 mg/kg	95
62)	t13Dicloprop	10.28	75	14190	0.0008 mg/kg#	63
63)	ethylmethacrylate	10.34	69	35861	0.0024 mg/kg	85
64)	112Triclotha	10.52	83	10464	0.0012 mg/kg	91
65)	Tetrachlorte	10.65	166	9858	0.0008 mg/kg	95
66)	13Diclorpropa	10.74	76	20648	0.0011 mg/kg	97
68)	2Hexanone	9.72	43	136374	0.0113 mg/kg	97
69)	Clorodibrmta	11.04	129	11425	0.0010 mg/kg	91
70)	12Dibrometha	11.19	107	12098	0.0012 mg/kg	84
71)	Chlorobenzen	11.83	112	33051	0.0010 mg/kg#	79
72)	1Clhexane	11.76	91	14978	0.0008 mg/kg#	74
73)	1112Tetclota	11.93	131	14988	0.0013 mg/kg#	81
74)	Ethylbenzene	11.95	91	52256	0.0009 mg/kg	100
75)	m p-Xylene	12.11	106	36756	0.0017 mg/kg	100
76)	o-Xylene	12.66	106	19430	0.0010 mg/kg	98
77)	Styrene	12.69	104	34676	0.0010 mg/kg	95
78)	Bromoform	13.00	173	6462	0.0009 mg/kg	87
79)	Isopropylben	13.16	105	42072	0.0008 mg/kg	94
81)	cyclohexanone	13.36	55	8031	0.0229 mg/kg#	1
83)	Bromobenzene	13.62	156	14050	0.0011 mg/kg#	88
84)	1122Tetrclta	13.66	83	14904	0.0012 mg/kg	99
85)	123Triclproa	13.71	75	14588	0.0012 mg/kg	95
86)	n-Propylbenz	13.74	91	54565	0.0008 mg/kg	99
87)	2chlorotolue	13.89	91	35673	0.0010 mg/kg	98
88)	4chlorotolue	14.04	91	37529	0.0009 mg/kg	94
89)	135Trimebenz	13.98	105	35968	0.0009 mg/kg	91
90)	tbutylbenzen	14.45	119	25970	0.0008 mg/kg	97
91)	124Trimetben	14.53	105	36578	0.0010 mg/kg	91
92)	sbutylbenzen	14.76	105	40947m	0.0008 mg/kg	98
93)	13Diclorbenz	14.97	146	22447	0.0010 mg/kg	96
94)	pIsopropylto	14.98	119	34036	0.0009 mg/kg	93
95)	14dichlorobe	15.09	146	22819	0.0010 mg/kg	91
96)	12dichlorobe	15.64	146	20263	0.0010 mg/kg	96
97)	nButylbenzen	15.57	91	33084m	0.0008 mg/kg	95
98)	12dibromo3cl	16.75	157	2125	0.0012 mg/kg	92
99)	135Trichlorobenzene	17.00	180	13061	0.0009 mg/kg	93
100)	124Trichlobe	17.83	180	10237	0.0009 mg/kg	93
101)	Hexachlorobu	18.02	225	4464	0.0006 mg/kg	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG1913\CALLS1.D Vial: 5
Acq On : 19 Aug 2013 10:07 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.001/0.01 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:14 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

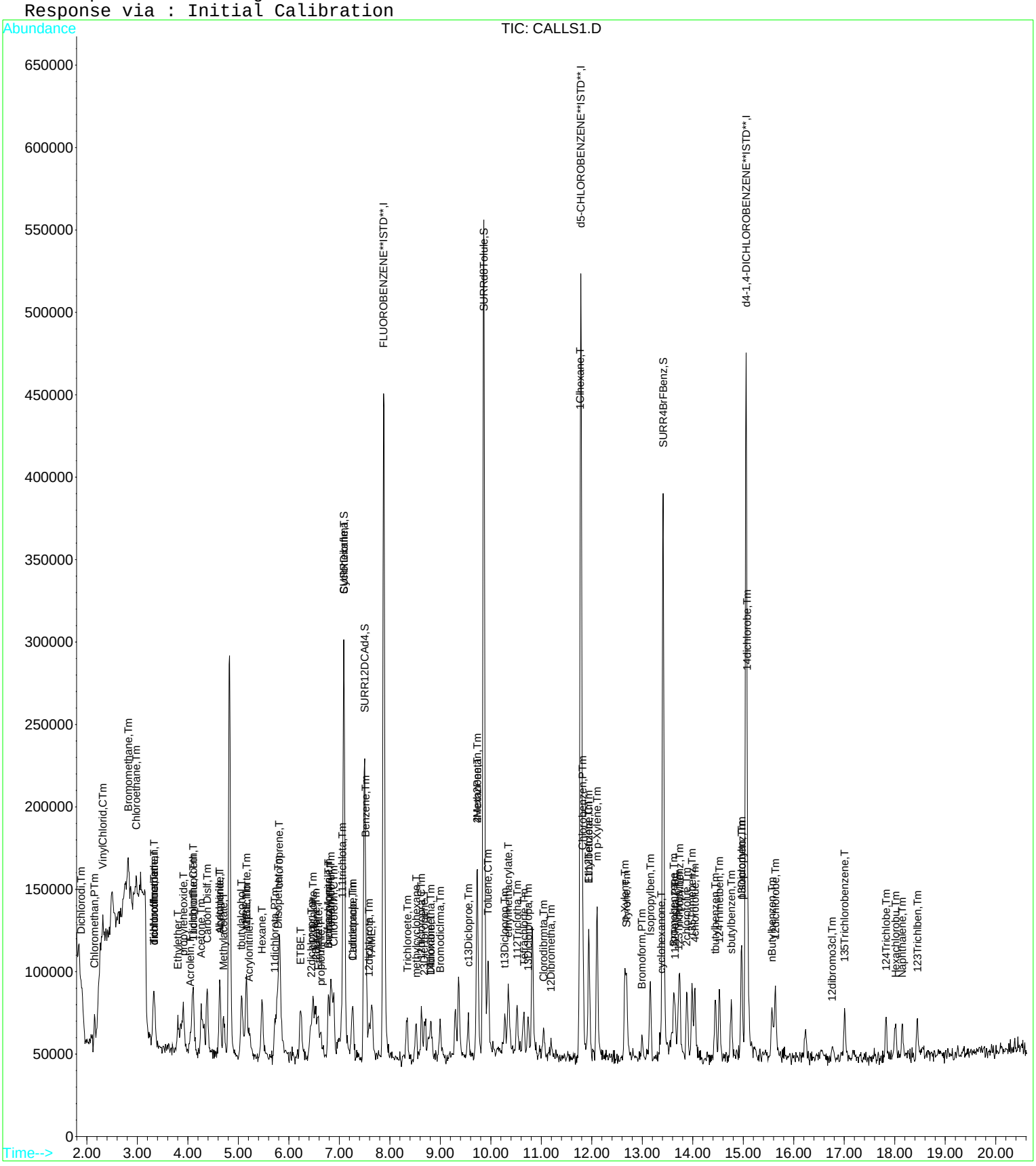
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) Naphthalene	18.15	128	20455m	0.0010	mg/kg	95
103) 123Trichlben	18.45	180	9231m	0.0009	mg/kg	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

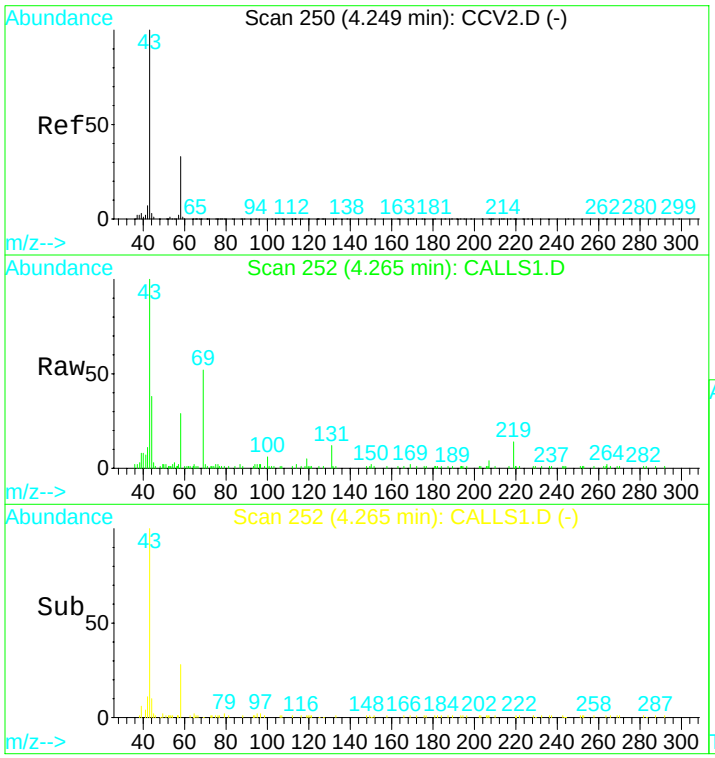
Data File : M:\DATA\AUG1913\CALLS1.D Vial: 5
Acq On : 19 Aug 2013 10:07 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.001/0.01 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:14 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



After Manual Integration

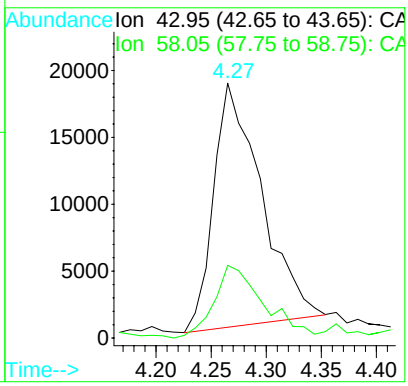
RJ 08/23/2013

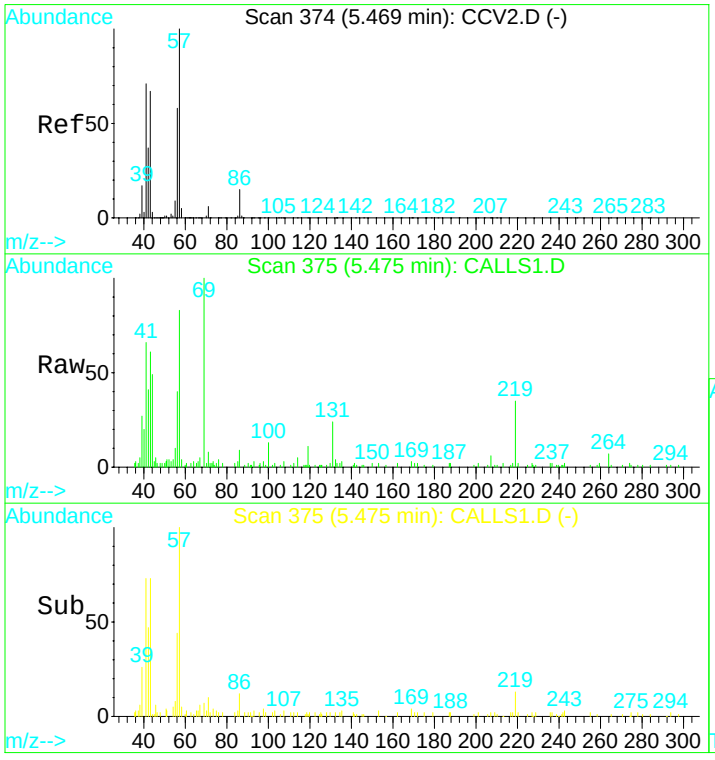


#15
Acetone
Concen: 0.01 mg/kg m
RT: 4.27 min Scan# 252
Delta R.T. 0.01 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

Tgt Ion: 43 Resp: 54942

Ion	Ratio	Lower	Upper
43	100		
58	31.4	7.4	47.4

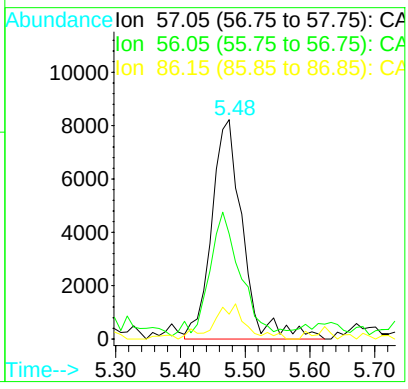




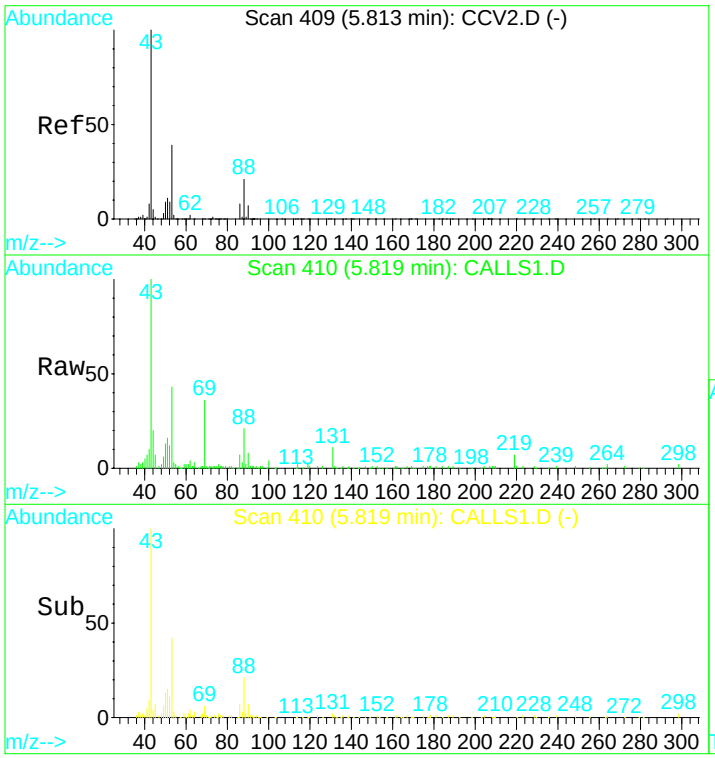
#26
Hexane
Concen: 0.00 mg/kg m
RT: 5.48 min Scan# 375
Delta R.T. 0.01 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

Tgt Ion: 57 Resp: 27447

Ion	Ratio	Lower	Upper
57	100		
56	56.8	34.9	74.9
86	10.8	0.0	36.1



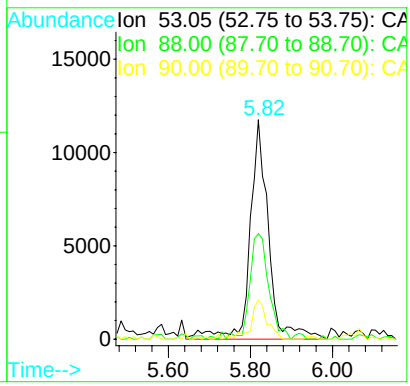
BMS
09/03/13



#29
chloroprene
Concen: 0.00 mg/kg m
RT: 5.82 min Scan# 410
Delta R.T. 0.00 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

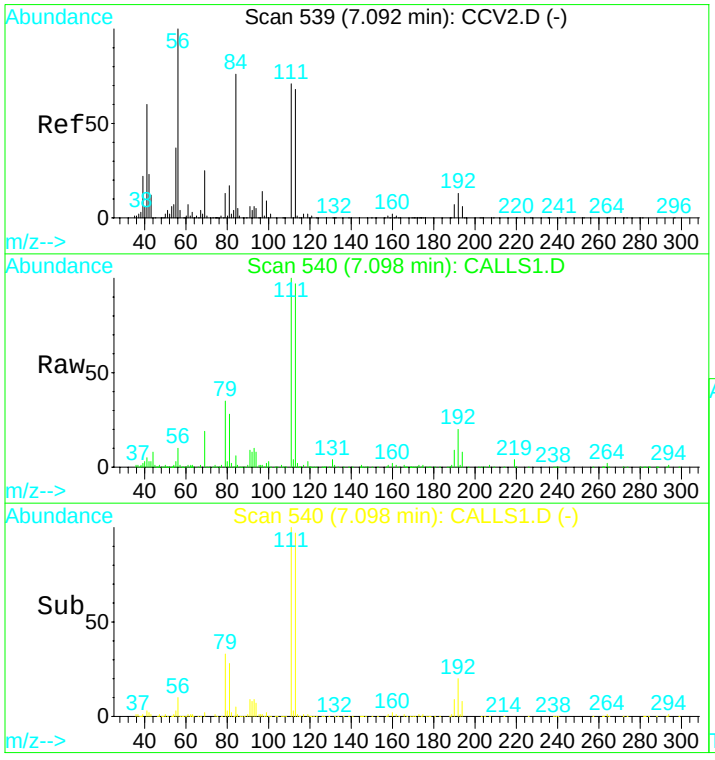
Tgt Ion: 53 Resp: 36749

Ion	Ratio	Lower	Upper
53	100		
88	47.7	33.4	73.4
90	15.7	0.0	36.6



After Manual Integration

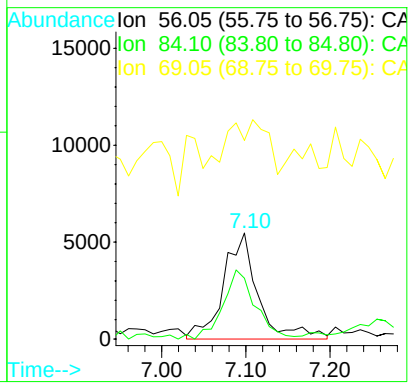
RJ 08/23/2013



#42
Cyclohexane
Concen: 0.00 mg/kg m
RT: 7.10 min Scan# 540
Delta R.T. 0.00 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

Tgt Ion: 56 Resp: 15648

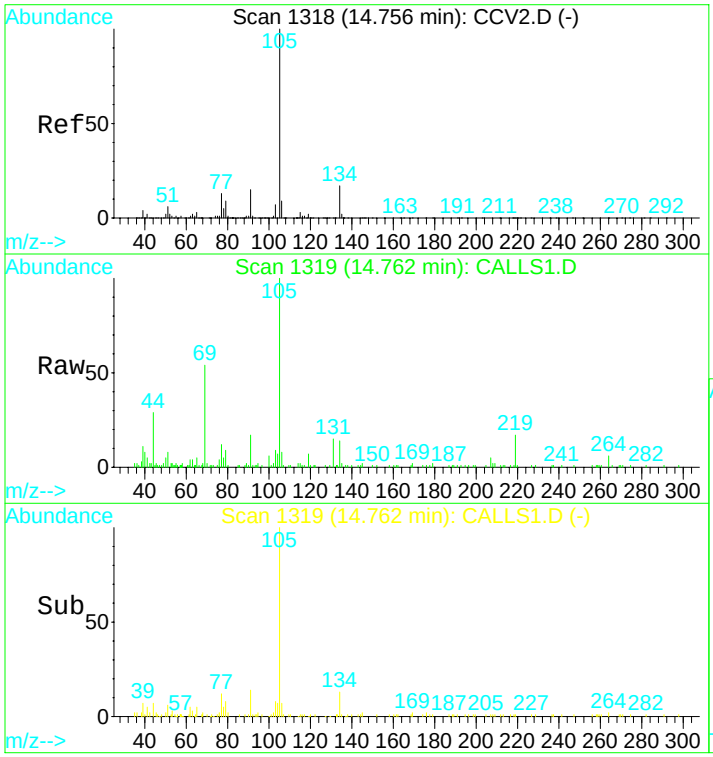
Ion	Ratio	Lower	Upper
56	100		
84	0.0	54.7	94.7#
69	31.7	8.6	48.6



BMS
09/03/13

After Manual Integration

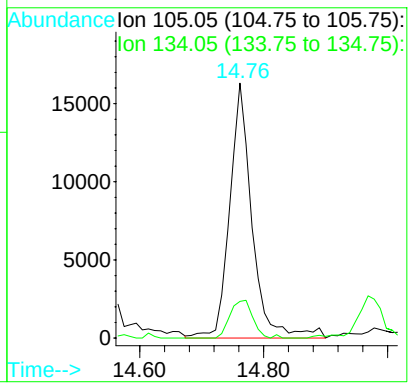
RJ 08/23/2013

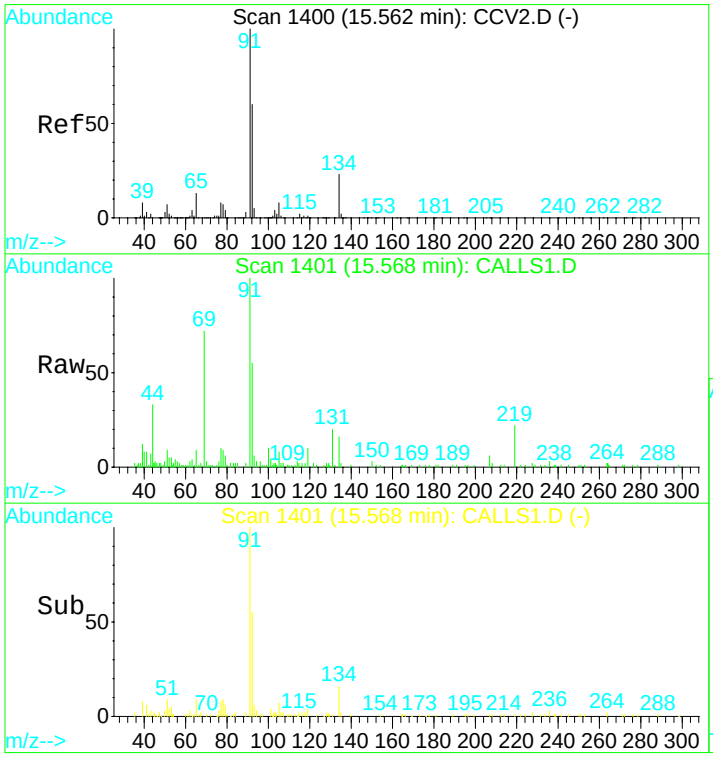


#92
sbutylbenzen
Concen: 0.00 mg/kg m
RT: 14.76 min Scan# 1319
Delta R.T. 0.00 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

Tgt Ion:105 Resp: 40947

Ion	Ratio	Lower	Upper
105	100		
134	14.9	0.0	36.9

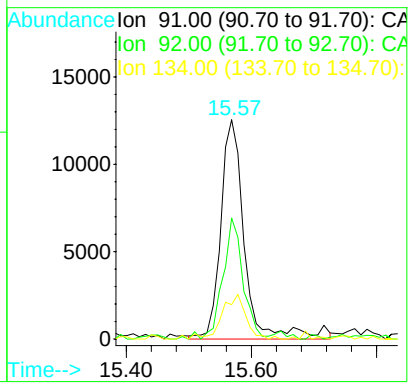




#97
nButylbenzen
Concen: 0.00 mg/kg m
RT: 15.57 min Scan# 1401
Delta R.T. 0.00 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

Tgt Ion: 91 Resp: 33084

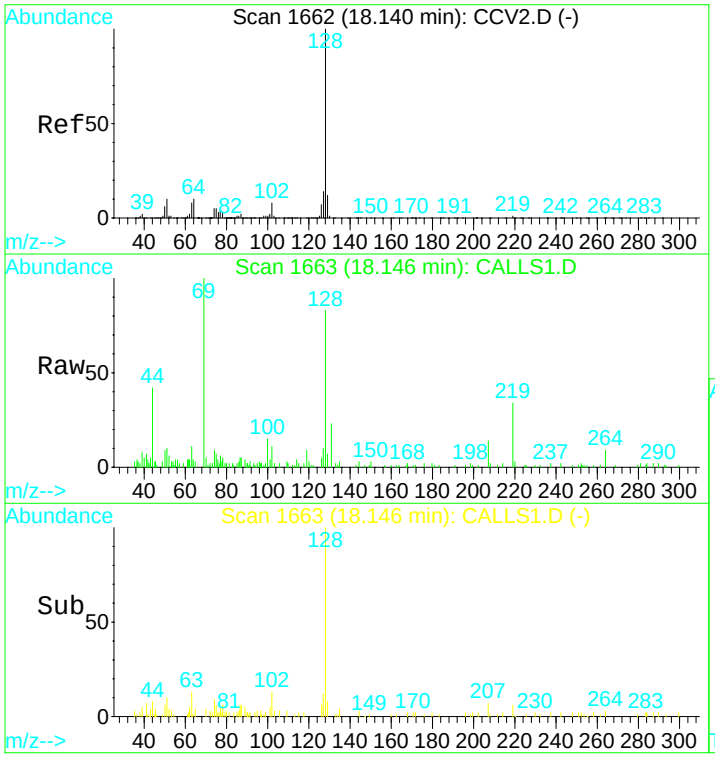
Ion	Ratio	Lower	Upper
91	100		
92	47.5	36.3	76.3
134	20.8	0.9	40.9



BMS
09/03/13

After Manual Integration

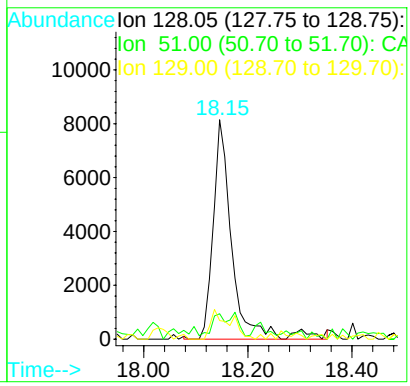
RJ 08/23/2013

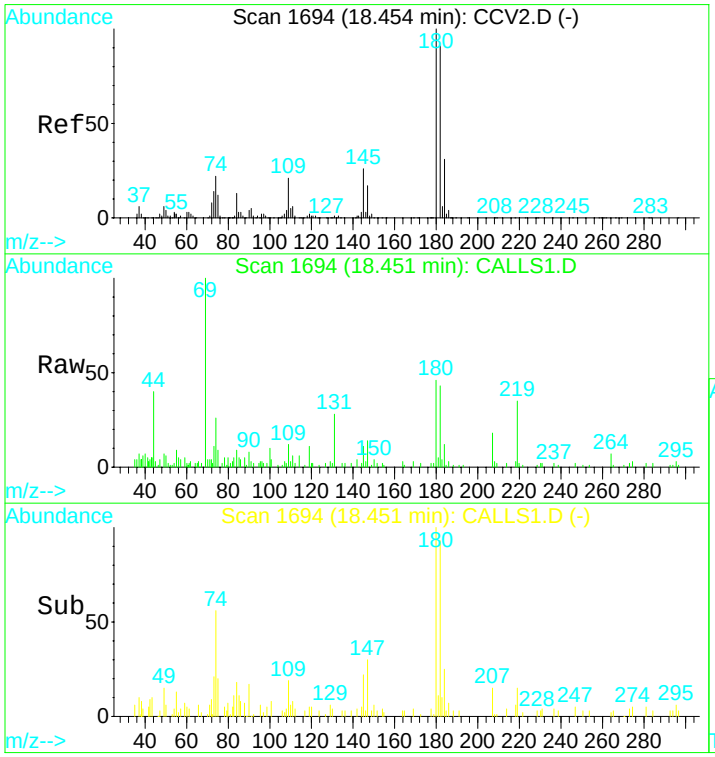


#102
Naphthalene
Concen: 0.00 mg/kg m
RT: 18.15 min Scan# 1663
Delta R.T. 0.00 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

Tgt Ion:128 Resp: 20455

Ion	Ratio	Lower	Upper
128	100		
51	13.0	0.0	32.1
129	13.9	0.0	32.0

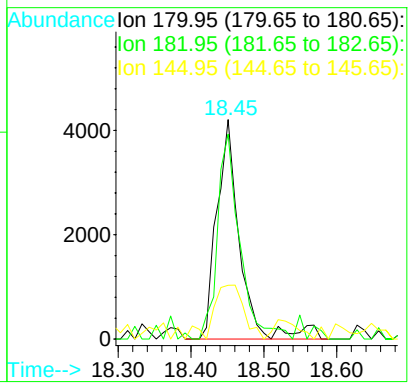




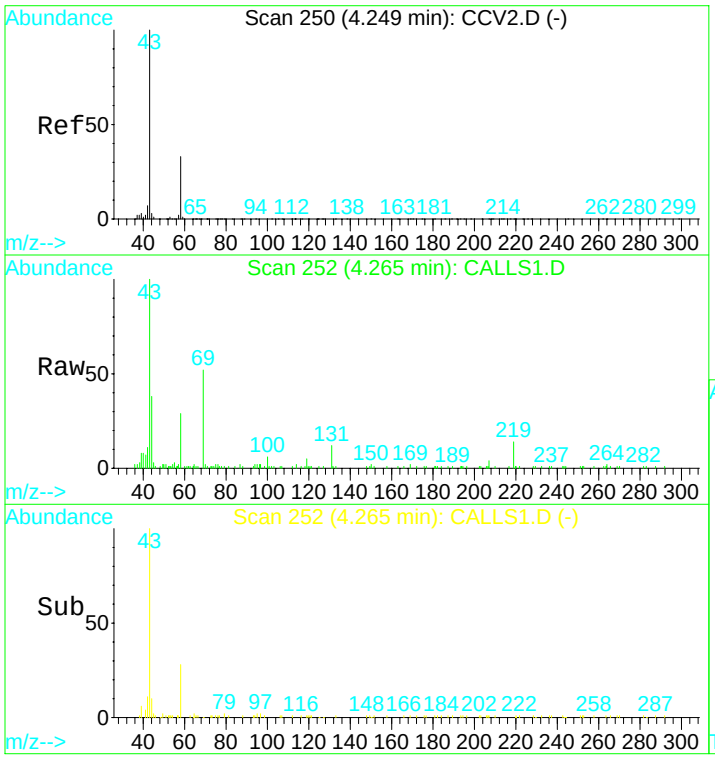
#103
123Trichlben
Concen: 0.00 mg/kg m
RT: 18.45 min Scan# 1694
Delta R.T. 0.00 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

Tgt Ion:180 Resp: 9231

Ion	Ratio	Lower	Upper
180	100		
182	90.5	76.2	116.2
145	34.6	10.2	50.2



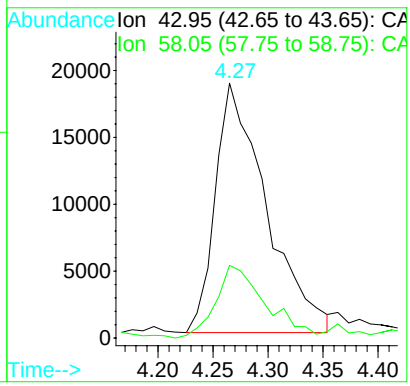
BMS
09/03/13



#15
Acetone
Concen: 0.01 mg/kg
RT: 4.27 min Scan# 252
Delta R.T. 0.01 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

Tgt Ion: 43 Resp: 59976

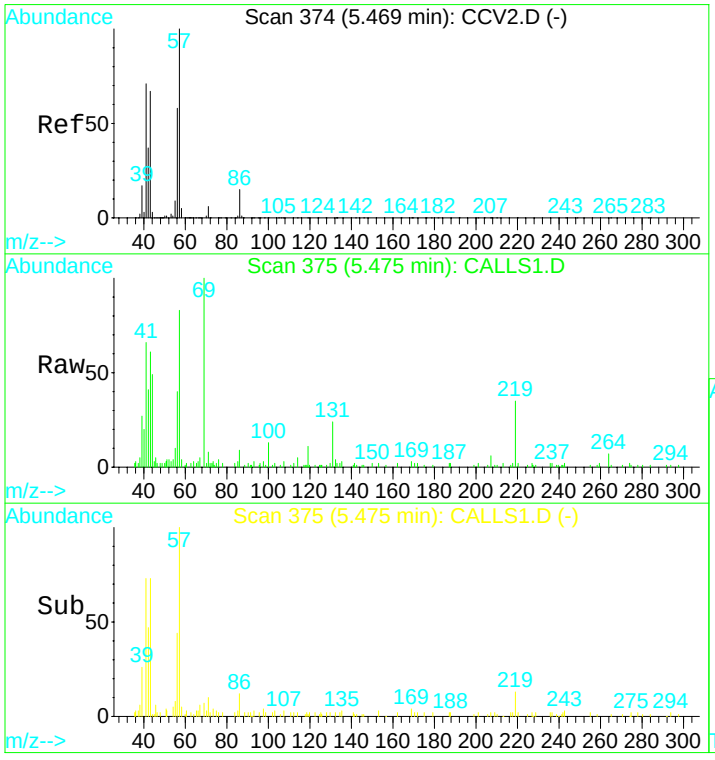
Ion	Ratio	Lower	Upper
43	100		
58	28.8	7.4	47.4



Before Manual Integration

RJ 08/23/2013

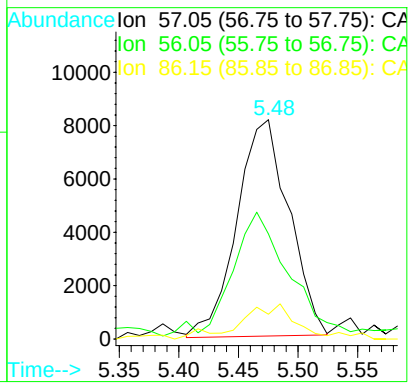
REASON # 2



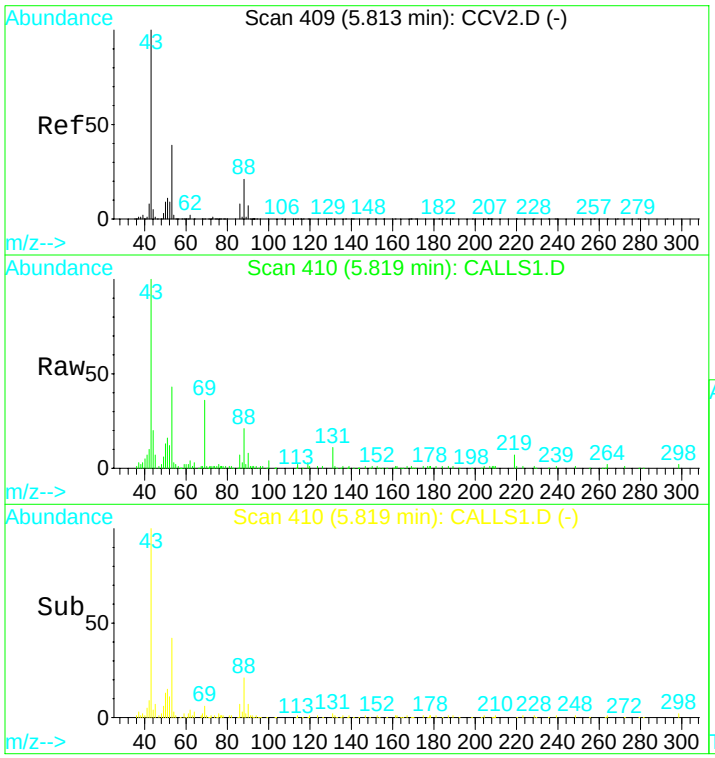
#26
Hexane
Concen: 0.00 mg/kg
RT: 5.48 min Scan# 375
Delta R.T. 0.01 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

Tgt Ion: 57 Resp: 24740

Ion	Ratio	Lower	Upper
57	100		
56	63.0	34.9	74.9
86	12.0	0.0	36.1



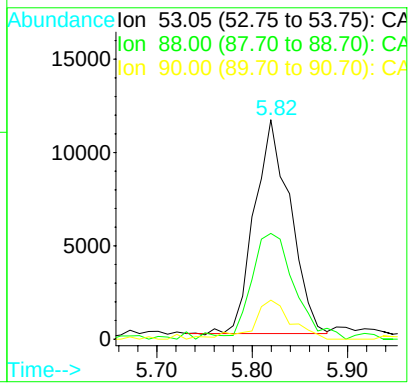
REASON # 2



#29
chloroprene
Concen: 0.00 mg/kg
RT: 5.82 min Scan# 410
Delta R.T. 0.00 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

Tgt Ion: 53 Resp: 29977

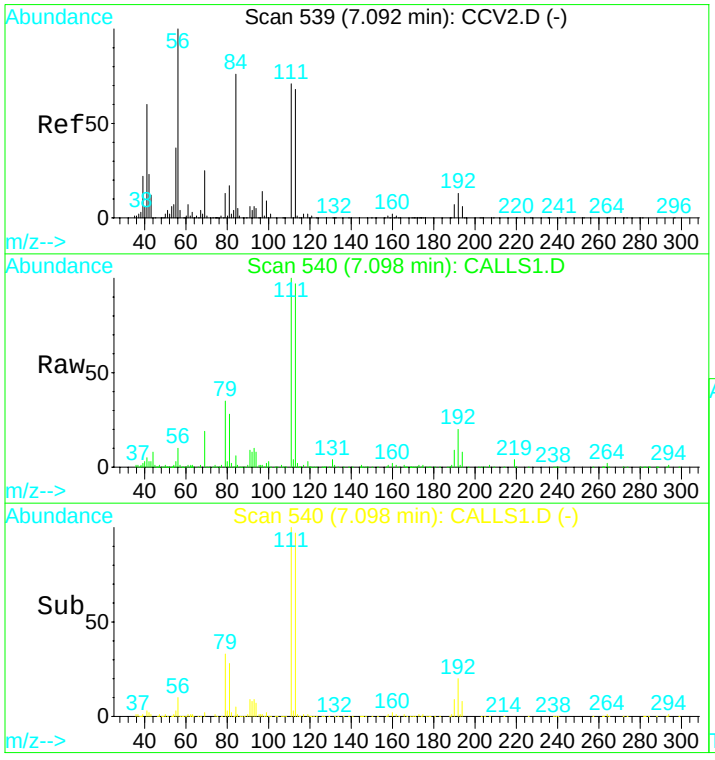
Ion	Ratio	Lower	Upper
53	100		
88	58.5	33.4	73.4
90	19.2	0.0	36.6



Before Manual Integration

RJ 08/23/2013

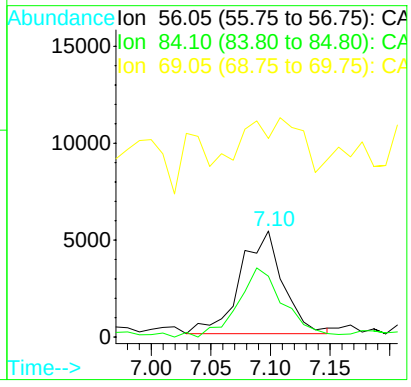
REASON # 2



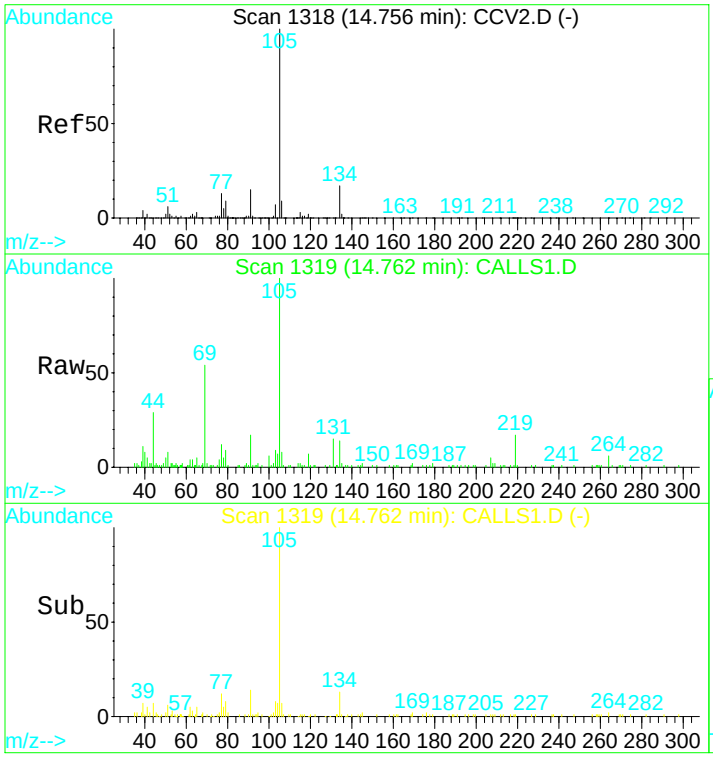
#42
Cyclohexane
Concen: 0.00 mg/kg
RT: 7.10 min Scan# 540
Delta R.T. 0.00 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

Tgt Ion: 56 Resp: 13301

Ion	Ratio	Lower	Upper
56	100		
84	0.0	54.7	94.7#
69	37.3	8.6	48.6



REASON # 2



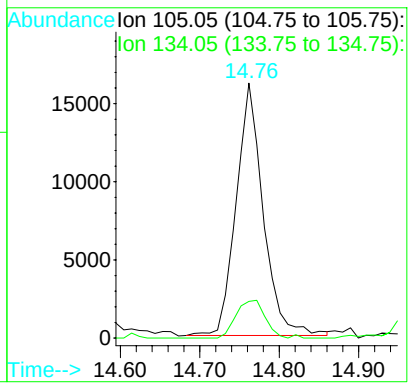
#92
sbutylbenzen
Concen: 0.00 mg/kg
RT: 14.76 min Scan# 1319
Delta R.T. 0.00 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

Tgt Ion:105 Resp: 38232

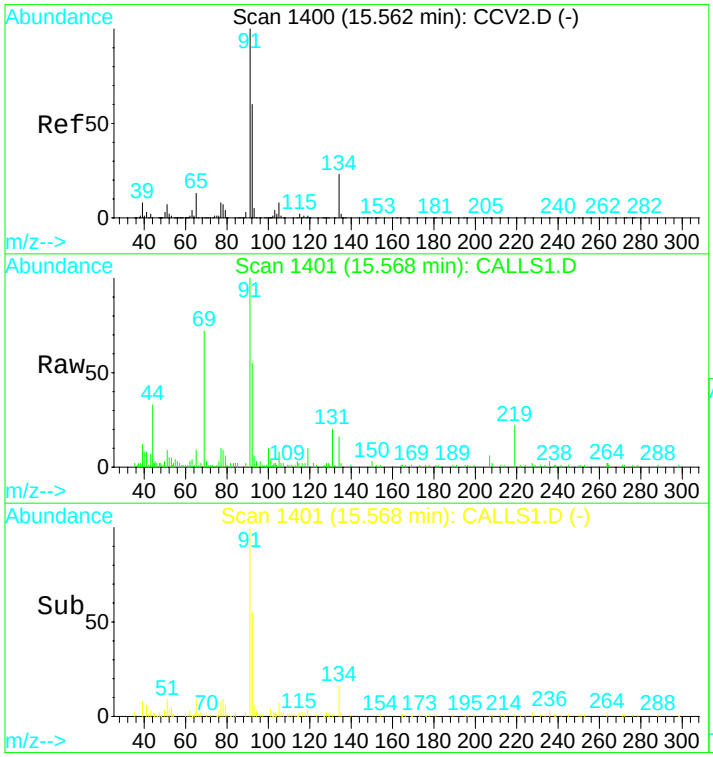
Ion	Ratio	Lower	Upper
105	100		
134	16.0	0.0	36.9

Before Manual Integration

08/23/2013



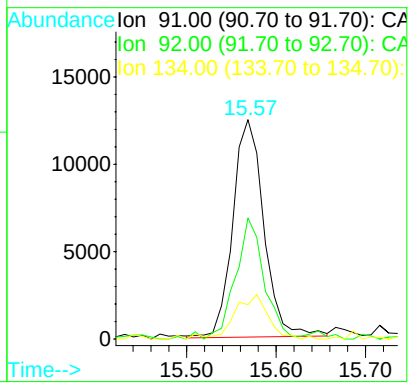
REASON # 2



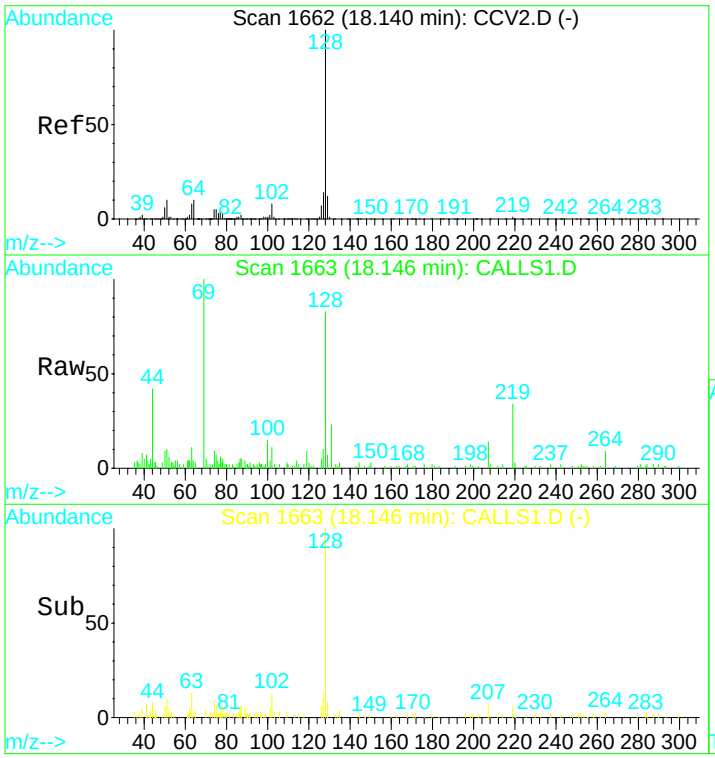
#97
nButylbenzen
Concen: 0.00 mg/kg
RT: 15.57 min Scan# 1401
Delta R.T. 0.00 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

Tgt Ion: 91 Resp: 30136

Ion	Ratio	Lower	Upper
91	100		
92	52.1	36.3	76.3
134	22.8	0.9	40.9



REASON # 2



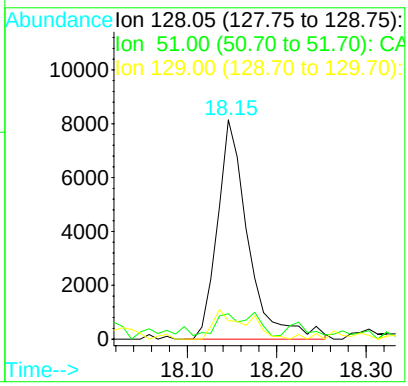
#102
Naphthalene
Concen: 0.00 mg/kg
RT: 18.15 min Scan# 1663
Delta R.T. 0.00 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

Before Manual Integration

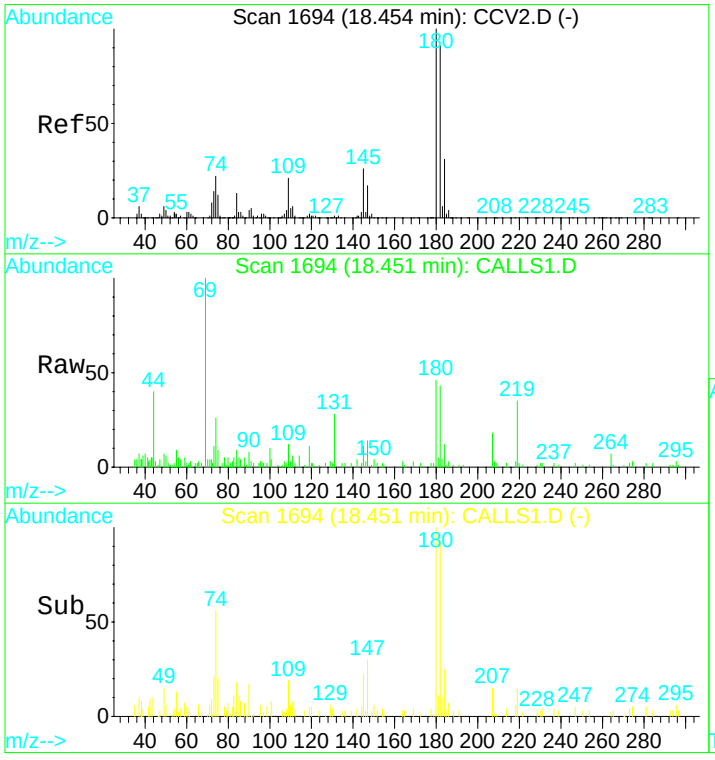
08/23/2013

Tgt Ion:128 Resp: 19413

Ion	Ratio	Lower	Upper
128	100		
51	13.7	0.0	32.1
129	14.6	0.0	32.0



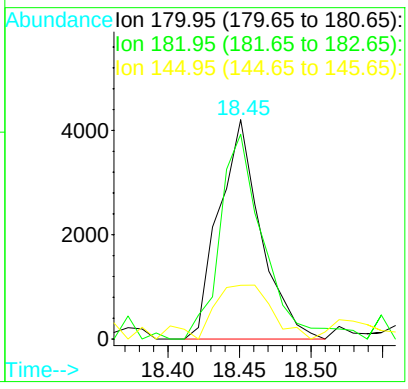
REASON # 2



#103
123Trichlben
Concen: 0.00 mg/kg
RT: 18.45 min Scan# 1694
Delta R.T. 0.00 min
Lab File: CALLS1.D
Acq: 19 Aug 2013 10:07

Tgt Ion:180 Resp: 8580

Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.2	116.2
145	37.2	10.2	50.2



REASON # 2

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG1913\CALLS2.D Vial: 6
Acq On : 19 Aug 2013 10:36 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.002/0.02 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:16 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	458823	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.78	117	325125	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	145312	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	165693	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
46) SURR12DCAd4	7.50	102	31021	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
60) SURRd8Tolule	9.86	98	445950	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.41	95	162336	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 100 %			
Target Compounds						Qvalue
2) Dichlorodi	1.90	85	44681	0.0020	mg/kg	97
3) Chloromethan	2.15	50	53542	0.0020	mg/kg	94
4) VinylChlorid	2.31	62	47233	0.0020	mg/kg	83
5) Bromomethane	2.81	94	35123	0.0017	mg/kg	93
6) Chloroethane	2.97	64	31914	0.0021	mg/kg	99
7) dichloroflmethane	3.32	67	73974	0.0019	mg/kg#	73
8) Trichlorofma	3.34	101	43959	0.0020	mg/kg	98
9) Ethylether	3.81	59	23754	0.0019	mg/kg	96
10) dichlorotfluoroethan	3.32	67	73974	0.0019	mg/kg	97
11) propyleneoxide	3.91	58	61603	0.0223	mg/kg	93
12) Acrolein	4.04	56	25778	0.0108	mg/kg	94
13) 11dichlorthe	4.10	96	26251	0.0020	mg/kg	93
14) Trichlorotfluoroeth	4.10	101	44715	0.0039	mg/kg	97
15) Acetone	4.27	43	95635m	0.0195	mg/kg	99
16) Iodomethane	4.32	142	37390	0.0043	mg/kg	96
17) Carbon Dislf	4.38	76	172914	0.0041	mg/kg	100
18) allylchloride	4.63	76	30264	0.0081	mg/kg	95
19) Methylacetate	4.71	74	14922	0.0022	mg/kg	85
20) Acetonitrile	4.63	41	99876	0.0199	mg/kg	98
21) Methylchlorid	4.82	84	144961	0.0011	mg/kg	97
22) tbutylalcohol	5.06	59	121309	0.1046	mg/kg	95
23) t12dichlorte	5.16	96	29215	0.0020	mg/kg	95
24) MtBE	5.14	73	64787	0.0021	mg/kg#	90
25) Acrylonitrile	5.20	53	37908	0.0090	mg/kg	95
26) Hexane	5.47	57	59893	0.0039	mg/kg	96
27) 11dichlorota	5.72	63	63928	0.0020	mg/kg	99
28) Vinylacetate	5.80	43	285882	0.0231	mg/kg	99
29) chloroprene	5.82	53	74388	0.0038	mg/kg	98
30) Diisopether	5.78	45	116857	0.0020	mg/kg	98
31) ETBE	6.24	59	90851	0.0021	mg/kg	98
32) 22dichloropr	6.44	77	41768	0.0020	mg/kg	99
33) c12dichlorte	6.48	96	34653	0.0021	mg/kg	99
34) 2Butanone	6.52	72	21049	0.0192	mg/kg	84
35) Ethylacetate	6.57	88	2609	0.0082	mg/kg#	39
36) propionitrile	6.63	54	30893	0.0194	mg/kg	93
37) Bromochlorma	6.78	128	14934	0.0020	mg/kg	98
38) methacrylonitrile	6.80	67	16400	0.0037	mg/kg#	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG1913\CALLS2.D Vial: 6
Acq On : 19 Aug 2013 10:36 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.002/0.02 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:16 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.84	42	80583	0.0213 mg/kg	97
40)	Chloroform	6.89	83	57349	0.0020 mg/kg	99
41)	111trichlota	7.06	97	37165	0.0019 mg/kg	99
42)	Cyclohexane	7.09	56	36927	0.0019 mg/kg	90
44)	Carbtetraclo	7.26	119	29412	0.0020 mg/kg	100
45)	11dicloprope	7.26	110	9958	0.0019 mg/kg#	90
47)	Benzene	7.53	78	103554	0.0020 mg/kg#	40
48)	12dichlorota	7.59	62	37046	0.0018 mg/kg	94
49)	TAME	7.64	73	71785	0.0021 mg/kg	89
50)	Trichloroete	8.34	95	26019	0.0021 mg/kg	99
51)	methylcyclohexane	8.52	83	31616	0.0020 mg/kg	94
52)	12dicloropra	8.63	63	28894	0.0019 mg/kg	89
53)	23Dicl1propene	8.70	75	43055	0.0022 mg/kg	93
54)	Dibromometha	8.81	93	20678	0.0021 mg/kg	98
55)	methylmethacrylate	8.76	69	17921	0.0014 mg/kg	80
56)	14dioxane	8.82	88	10065	0.0984 mg/kg	96
57)	Bromodiclrma	9.00	83	37007	0.0019 mg/kg	97
58)	c13Dicloproe	9.54	75	36131	0.0019 mg/kg	97
59)	4Meth2Pentan	9.73	43	272520	0.0218 mg/kg	99
61)	Toluene	9.95	92	64367	0.0020 mg/kg	96
62)	t13Dicloprop	10.28	75	30737	0.0020 mg/kg	90
63)	ethylmethacrylate	10.35	69	61230	0.0038 mg/kg	93
64)	112Triclotha	10.53	83	18394	0.0019 mg/kg	94
65)	Tetrachlorte	10.65	166	22048	0.0020 mg/kg	97
66)	13Diclorpropa	10.74	76	38246	0.0020 mg/kg	99
68)	2Hexanone	9.73	43	272520	0.0219 mg/kg	99
69)	Clorodibrmta	11.05	129	23931	0.0021 mg/kg	97
70)	12Dibrometha	11.18	107	21509	0.0020 mg/kg	93
71)	Chlorobenzen	11.82	112	64761	0.0020 mg/kg	89
72)	1Clhexane	11.76	91	33369	0.0020 mg/kg	85
73)	1112Tetclota	11.93	131	27988	0.0022 mg/kg	86
74)	Ethylbenzene	11.94	91	107987	0.0020 mg/kg	99
75)	m p-Xylene	12.10	106	74554	0.0039 mg/kg	98
76)	o-Xylene	12.66	106	39743	0.0021 mg/kg	95
77)	Styrene	12.69	104	66900	0.0020 mg/kg	99
78)	Bromoform	12.99	173	15007	0.0023 mg/kg	96
79)	Isopropylben	13.15	105	95842	0.0021 mg/kg	100
81)	cyclohexanone	13.35	55	16379	0.0439 mg/kg#	64
83)	Bromobenzene	13.62	156	26292	0.0020 mg/kg	97
84)	1122Tetrclta	13.65	83	28746	0.0021 mg/kg	96
85)	123Triclproa	13.71	75	27024	0.0021 mg/kg	92
86)	n-Propylbenz	13.74	91	112086	0.0019 mg/kg	99
87)	2chlorotolue	13.88	91	67882	0.0019 mg/kg	96
88)	4chlorotolue	14.04	91	71850	0.0019 mg/kg	93
89)	135Trimebenz	13.99	105	72084	0.0019 mg/kg	100
90)	tbutylbenzen	14.45	119	62718	0.0022 mg/kg	96
91)	124Trimetben	14.53	105	66651	0.0018 mg/kg	100
92)	sbutylbenzen	14.77	105	90913	0.0020 mg/kg	99
93)	13Diclorbenz	14.96	146	43054	0.0020 mg/kg	99
94)	pIsopropylto	14.97	119	69216	0.0019 mg/kg	97
95)	14dichlorobe	15.09	146	42946	0.0019 mg/kg	94
96)	12dichlorobe	15.64	146	37312	0.0018 mg/kg	90
97)	nButylbenzen	15.57	91	67193	0.0019 mg/kg	99
98)	12dibromo3cl	16.77	157	4364	0.0023 mg/kg	87
99)	135Trichlorobenzene	17.01	180	28143	0.0020 mg/kg	97
100)	124Trichlobe	17.83	180	23426	0.0022 mg/kg	92
101)	Hexachlorobu	18.02	225	12430	0.0021 mg/kg	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG1913\CALLS2.D Vial: 6
Acq On : 19 Aug 2013 10:36 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.002/0.02 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:16 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

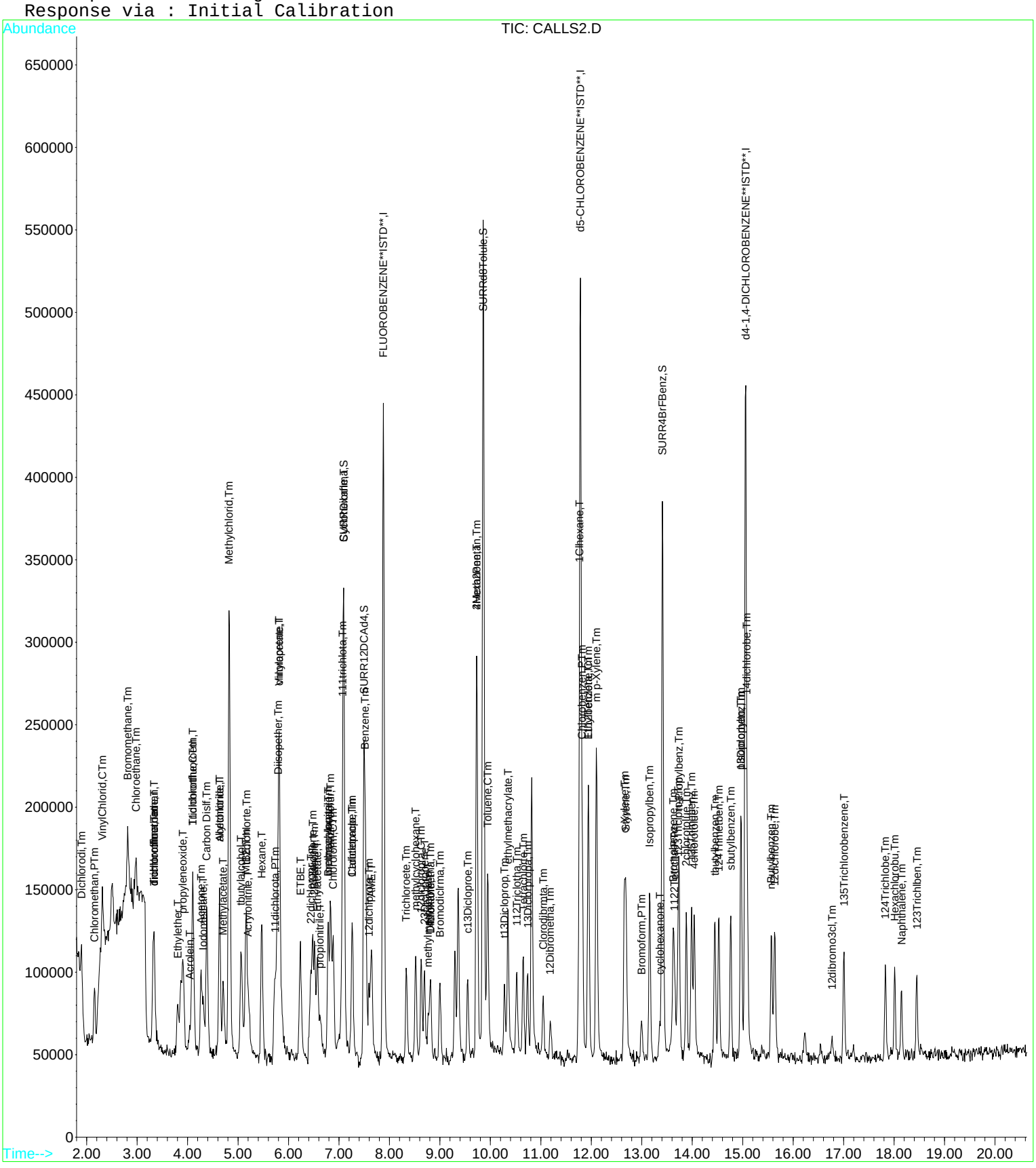
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	42053	0.0021 mg/kg	97
103) 123Trichlben	18.45	180	21395	0.0022 mg/kg	94

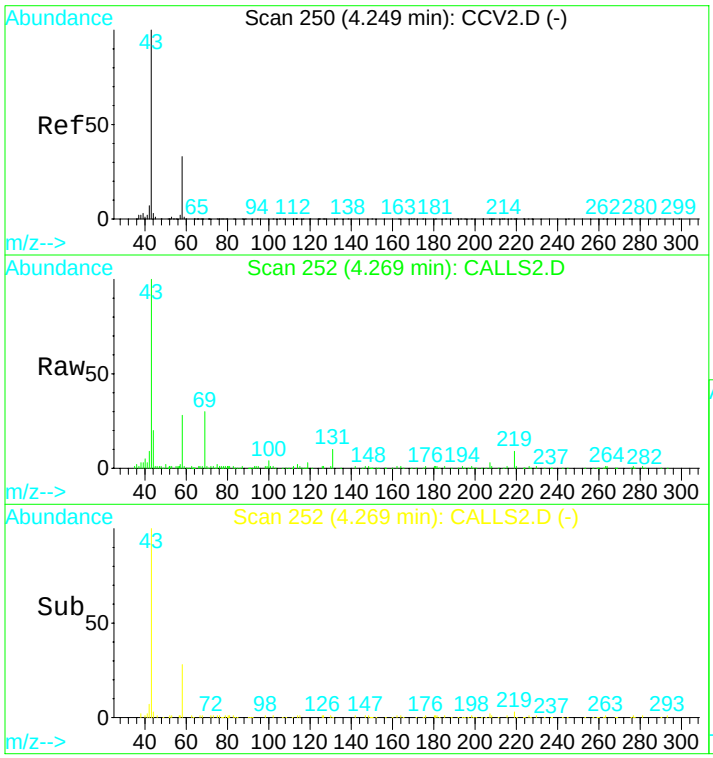
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG1913\CALLS2.D Vial: 6
Acq On : 19 Aug 2013 10:36 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.002/0.02 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:16 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

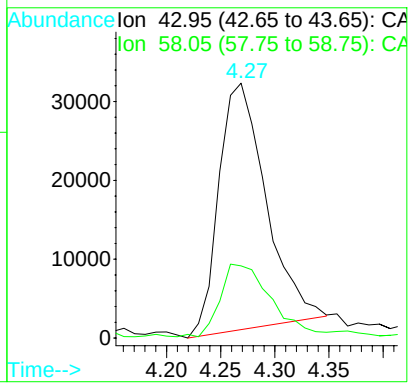




#15
Acetone
Concen: 0.02 mg/kg m
RT: 4.27 min Scan# 252
Delta R.T. 0.01 min
Lab File: CALLS2.D
Acq: 19 Aug 2013 10:36

Tgt Ion: 43 Resp: 95635

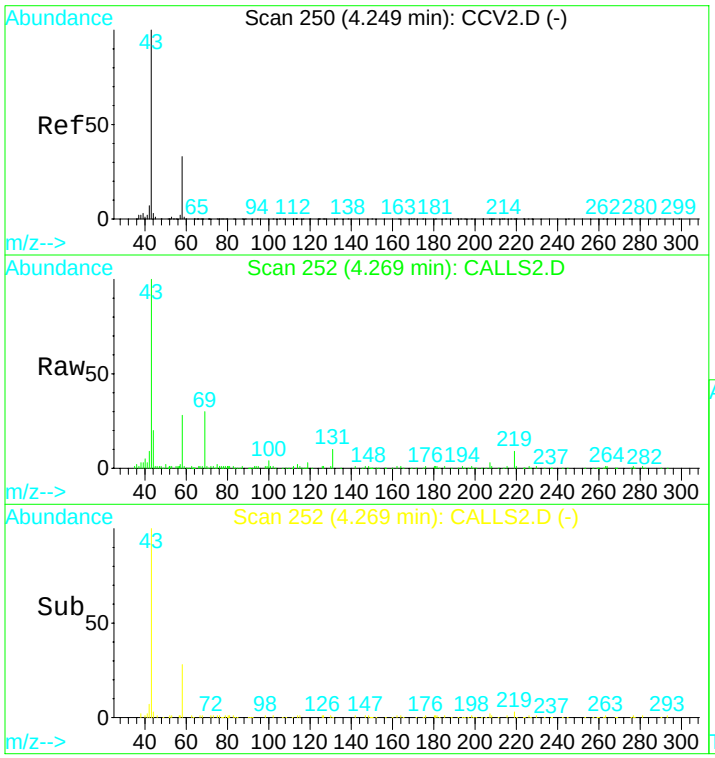
Ion	Ratio	Lower	Upper
43	100		
58	31.8	7.4	47.4



After Manual Integration

RJ 08/23/2013

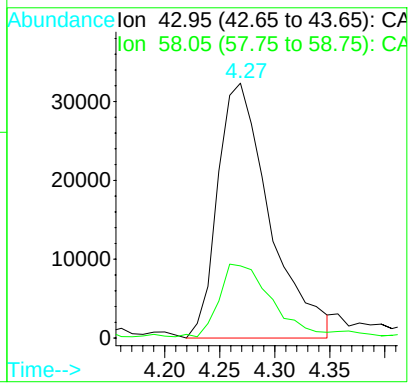
BMS
09/03/13



#15
Acetone
Concen: 0.02 mg/kg
RT: 4.27 min Scan# 252
Delta R.T. 0.01 min
Lab File: CALLS2.D
Acq: 19 Aug 2013 10:36

Tgt Ion: 43 Resp: 106287

Ion	Ratio	Lower	Upper
43	100		
58	28.3	7.4	47.4



Before Manual Integration

RJ 08/23/2013

REASON # 2

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\CALLS3.D Vial: 7
Acq On : 19 Aug 2013 11:05 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.005/0.05 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 13:10 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	471657	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.78	117	329258	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.05	152	147790	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	168169	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
46) SURR12DCAd4	7.50	102	31200	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
60) SURRd8Tolule	9.86	98	456269	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.41	95	156660	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 94 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	103996	0.0045	mg/kg	94
3) Chloromethan	2.15	50	132344	0.0048	mg/kg	95
4) VinylChlorid	2.31	62	122722	0.0050	mg/kg	96
5) Bromomethane	2.81	94	90661	0.0045	mg/kg	98
6) Chloroethane	2.97	64	78482	0.0049	mg/kg	96
7) dichloroflmethane	3.32	67	197107	0.0050	mg/kg	92
8) Trichlorofma	3.34	101	122228	0.0054	mg/kg	99
9) Ethylether	3.81	59	60377	0.0047	mg/kg	94
10) dichlorotfluoroethan	3.32	67	197107	0.0050	mg/kg	99
11) propyleneoxide	3.90	58	147489	0.0500	mg/kg	98
12) Acrolein	4.03	56	66208	0.0263	mg/kg	95
13) 11dichlorthe	4.10	96	67849	0.0051	mg/kg	99
14) Trichlorotfluoroeth	4.10	101	138598	0.0119	mg/kg	98
15) Acetone	4.26	43	249037	0.0477	mg/kg	99
16) Iodomethane	4.32	142	117155	0.0103	mg/kg	99
17) Carbon Dislf	4.39	76	466274	0.0106	mg/kg	98
18) allylchloride	4.63	76	76998	0.0199	mg/kg#	90
19) Methylacetate	4.70	74	34228	0.0047	mg/kg	98
20) Acetonitrile	4.63	41	265936	0.0516	mg/kg	99
21) Methylchlorid	4.83	84	200888	0.0023	mg/kg	97
22) tbutylalcohol	5.06	59	302253	0.2497	mg/kg	99
23) t12dichlorte	5.16	96	76236	0.0051	mg/kg	97
24) MtBE	5.14	73	164227	0.0051	mg/kg#	97
25) Acrylonitrile	5.20	53	112889	0.0270	mg/kg	96
26) Hexane	5.47	57	175362	0.0112	mg/kg	100
27) 11dichlorota	5.72	63	162493	0.0050	mg/kg	99
28) Vinylacetate	5.80	43	885857	0.0538	mg/kg	100
29) chloroprene	5.81	53	233446	0.0118	mg/kg	98
30) Diisopether	5.77	45	307321	0.0051	mg/kg	99
31) ETBE	6.24	59	233093	0.0051	mg/kg	99
32) 22dichloropr	6.44	77	113208	0.0053	mg/kg	99
33) c12dichlorte	6.47	96	87059	0.0050	mg/kg	99
34) 2Butanone	6.51	72	54624	0.0492	mg/kg	82
35) Ethylacetate	6.57	88	8467	0.0275	mg/kg	96
36) propionitrile	6.62	54	81652	0.0504	mg/kg	96
37) Bromochlorma	6.78	128	38102	0.0049	mg/kg	96
38) methacrylonitrile	6.78	67	40203	0.0091	mg/kg#	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\CALLS3.D Vial: 7
Acq On : 19 Aug 2013 11:05 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.005/0.05 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 13:10 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.83	42	200110	0.0504 mg/kg	99
40)	Chloroform	6.89	83	149627	0.0050 mg/kg	98
41)	111trichlota	7.06	97	108958	0.0055 mg/kg	98
42)	Cyclohexane	7.09	56	115198	0.0058 mg/kg	94
44)	Carbtetraclo	7.25	119	82126	0.0053 mg/kg	100
45)	11dicloprope	7.26	110	27368	0.0051 mg/kg	93
47)	Benzene	7.53	78	265722	0.0050 mg/kg	80
48)	12dichlorota	7.59	62	104402	0.0050 mg/kg	99
49)	TAME	7.64	73	178798	0.0049 mg/kg	98
50)	Trichloroete	8.33	95	70294	0.0054 mg/kg	97
51)	methylcyclohexane	8.52	83	90519	0.0055 mg/kg	95
52)	12dicloropra	8.63	63	76313	0.0049 mg/kg#	93
53)	23Dicl1propene	8.70	75	107552	0.0052 mg/kg	99
54)	Dibromometha	8.80	93	52074	0.0051 mg/kg	98
55)	methylmethacrylate	8.75	69	43690	0.0049 mg/kg	97
56)	14dioxane	8.82	88	23497	0.2247 mg/kg	84
57)	Bromodiclrma	9.00	83	103118	0.0053 mg/kg	99
58)	c13Dicloproe	9.55	75	102231	0.0053 mg/kg	98
59)	4Meth2Pentan	9.73	43	676537	0.0511 mg/kg	100
61)	Toluene	9.95	92	166018	0.0050 mg/kg	98
62)	t13Dicloprop	10.28	75	77157	0.0049 mg/kg	98
63)	ethylmethacrylate	10.34	69	165192	0.0102 mg/kg	99
64)	112Triclotha	10.52	83	46831	0.0049 mg/kg	98
65)	Tetrachlorte	10.65	166	61449	0.0054 mg/kg	98
66)	13Diclorpropa	10.73	76	101845	0.0052 mg/kg	93
68)	2Hexanone	9.73	43	678420	0.0522 mg/kg	100
69)	Clorodibrmta	11.05	129	62700	0.0054 mg/kg	97
70)	12Dibrometha	11.19	107	55691	0.0051 mg/kg	99
71)	Chlorobenzen	11.82	112	169826	0.0052 mg/kg	97
72)	1Clhexane	11.76	91	87996	0.0052 mg/kg	93
73)	1112Tetclota	11.93	131	60994	0.0045 mg/kg	94
74)	Ethylbenzene	11.94	91	299010	0.0054 mg/kg	99
75)	m p-Xylene	12.10	106	201340	0.0105 mg/kg	96
76)	o-Xylene	12.66	106	102629	0.0052 mg/kg	99
77)	Styrene	12.69	104	177543	0.0052 mg/kg	99
78)	Bromoform	12.99	173	36948	0.0053 mg/kg	96
79)	Isopropylben	13.15	105	259857	0.0055 mg/kg	98
81)	cyclohexanone	13.36	55	40129	0.1024 mg/kg#	70
83)	Bromobenzene	13.62	156	64420	0.0048 mg/kg	91
84)	1122Tetrclta	13.65	83	75069	0.0053 mg/kg	100
85)	123Triclproa	13.71	75	69468	0.0051 mg/kg	98
86)	n-Propylbenz	13.73	91	321098	0.0054 mg/kg	100
87)	2chlorotolue	13.88	91	189378	0.0054 mg/kg	97
88)	4chlorotolue	14.04	91	204690	0.0053 mg/kg	100
89)	135Trimebenz	13.99	105	199263	0.0053 mg/kg	96
90)	tbutylbenzen	14.45	119	161865	0.0053 mg/kg	98
91)	124Trimetben	14.53	105	195383	0.0054 mg/kg	95
92)	sbutylbenzen	14.76	105	262494	0.0056 mg/kg	100
93)	13Diclorbenz	14.96	146	117060	0.0053 mg/kg	94
94)	pIsopropylto	14.97	119	196195	0.0054 mg/kg	99
95)	14dichlorobe	15.09	146	114123	0.0051 mg/kg	98
96)	12dichlorobe	15.64	146	109034	0.0054 mg/kg	99
97)	nButylbenzen	15.56	91	196279	0.0056 mg/kg	99
98)	12dibromo3cl	16.76	157	9882	0.0049 mg/kg	94
99)	135Trichlorobenzene	17.01	180	74311	0.0053 mg/kg	97
100)	124Trichlobe	17.83	180	62388	0.0055 mg/kg	97
101)	Hexachlorobu	18.02	225	34021	0.0055 mg/kg	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\CALLS3.D Vial: 7
Acq On : 19 Aug 2013 11:05 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.005/0.05 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 13:10 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

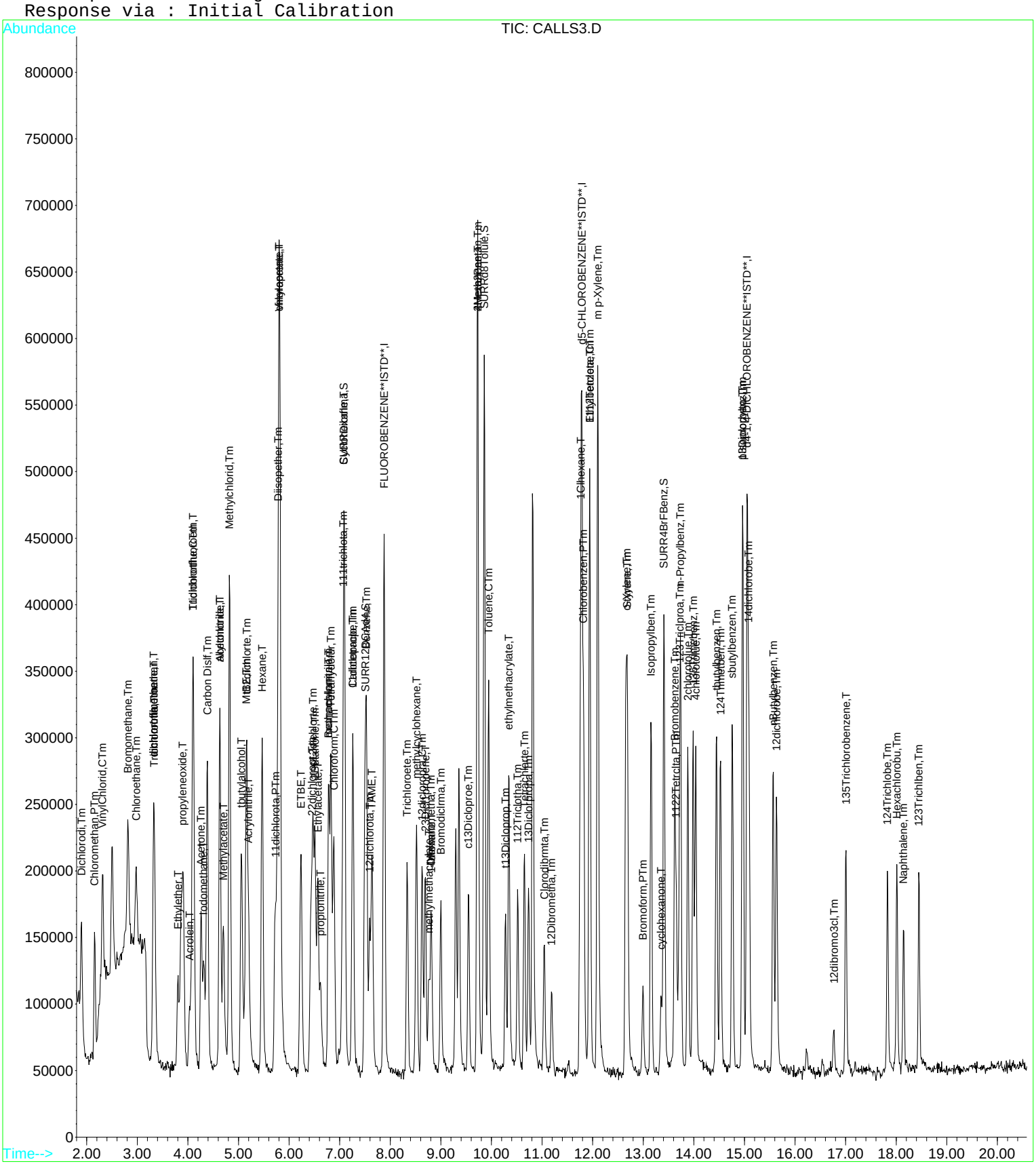
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) Naphthalene	18.15	128	107663	0.0052	mg/kg	99
103) 123Trichlben	18.45	180	56109	0.0055	mg/kg	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG1913\CALLS3.D Vial: 7
Acq On : 19 Aug 2013 11:05 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.005/0.05 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 13:10 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\CALLS4.D Vial: 8
Acq On : 19 Aug 2013 11:33 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 13:10 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	479236	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.78	117	340629	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	155589	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	170976	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
46) SURR12DCAd4	7.50	102	32260	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
60) SURRd8Tolule	9.86	98	468518	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.41	95	167069	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 100 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	220930	0.0097	mg/kg	100
3) Chloromethan	2.16	50	270094	0.0097	mg/kg	100
4) VinylChlorid	2.32	62	274073	0.0110	mg/kg	100
5) Bromomethane	2.82	94	180530	0.0090	mg/kg	100
6) Chloroethane	2.98	64	164788	0.0102	mg/kg	100
7) dichloroflmethane	3.32	67	410743	0.0103	mg/kg	100
8) Trichlorofma	3.34	101	265878	0.0113	mg/kg	100
9) Ethylether	3.80	59	110970	0.0087	mg/kg	100
10) dichlorotfluoroethan	3.32	67	410743	0.0103	mg/kg	100
11) propyleneoxide	3.91	58	282008	0.0941	mg/kg	100
12) Acrolein	4.03	56	116548	0.0449	mg/kg	100
13) 11dichlorthe	4.10	96	142592	0.0104	mg/kg	100
14) Trichlorotfluoroeth	4.10	101	302572	0.0244	mg/kg	100
15) Acetone	4.25	43	406846	0.0776	mg/kg	100
16) Iodomethane	4.31	142	292096	0.0200	mg/kg	100
17) Carbon Dislf	4.38	76	981957	0.0217	mg/kg	100
18) allylchloride	4.63	76	169504	0.0432	mg/kg	99
19) Methylacetate	4.70	74	69579	0.0096	mg/kg	100
20) Acetonitrile	4.63	41	544234	0.1030	mg/kg	100
21) Methylchlorid	4.83	84	278345	0.0065	mg/kg	100
22) tbutylalcohol	5.05	59	526178	0.4280	mg/kg	100
23) t12dichlorte	5.16	96	158493	0.0104	mg/kg	100
24) MtBE	5.15	73	314561	0.0096	mg/kg#	98
25) Acrylonitrile	5.20	53	213541	0.0493	mg/kg	100
26) Hexane	5.46	57	384426	0.0235	mg/kg	100
27) 11dichlorota	5.72	63	326821	0.0099	mg/kg	100
28) Vinylacetate	5.80	43	1993457	0.0998	mg/kg	100
29) chloroprene	5.82	53	509076	0.0243	mg/kg	100
30) Diisopether	5.78	45	615170	0.0101	mg/kg	100
31) ETBE	6.23	59	448657	0.0096	mg/kg	99
32) 22dichloropr	6.44	77	238711	0.0109	mg/kg	100
33) c12dichlorte	6.48	96	180866	0.0102	mg/kg	100
34) 2Butanone	6.51	72	107963	0.0960	mg/kg	100
35) Ethylacetate	6.58	88	17516	0.0546	mg/kg#	89
36) propionitrile	6.63	54	153588	0.0931	mg/kg	100
37) Bromochlorma	6.78	128	74253	0.0095	mg/kg	100
38) methacrylonitrile	6.78	67	84482	0.0192	mg/kg	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\CALLS4.D Vial: 8
Acq On : 19 Aug 2013 11:33 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 13:10 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) Tetrahydofur	6.82	42	360552	0.0892 mg/kg	100
40) Chloroform	6.89	83	299084	0.0099 mg/kg	100
41) 111trichlota	7.06	97	237098	0.0115 mg/kg	100
42) Cyclohexane	7.10	56	272060	0.0130 mg/kg	100
44) Carbtetraclo	7.26	119	180104	0.0113 mg/kg	100
45) 11dicloprope	7.27	110	62315	0.0114 mg/kg	100
47) Benzene	7.53	78	555153	0.0102 mg/kg	100
48) 12dichlorota	7.59	62	209436	0.0099 mg/kg	99
49) TAME	7.64	73	350880	0.0096 mg/kg	100
50) Trichloroete	8.34	95	142783	0.0106 mg/kg	100
51) methylcyclohexane	8.52	83	213498	0.0125 mg/kg	100
52) 12dicloropra	8.62	63	166317	0.0106 mg/kg	100
53) 23Dicl1propene	8.69	75	231265	0.0108 mg/kg	100
54) Dibromometha	8.81	93	103946	0.0099 mg/kg	100
55) methylmethacrylate	8.76	69	73447	0.0100 mg/kg	100
56) 14dioxane	8.82	88	49550	0.4784 mg/kg	100
57) Bromodiclrma	9.01	83	201625	0.0100 mg/kg	100
58) c13Dicloproe	9.55	75	215069	0.0107 mg/kg	100
59) 4Meth2Pentan	9.72	43	1224133	0.0905 mg/kg	100
61) Toluene	9.94	92	338451	0.0100 mg/kg	100
62) t13Dicloprop	10.28	75	171391	0.0108 mg/kg	100
63) ethylmethacrylate	10.34	69	299467	0.0181 mg/kg	100
64) 112Triclotha	10.52	83	90826	0.0093 mg/kg	100
65) Tetrachlorte	10.65	166	129087	0.0110 mg/kg	100
66) 13Diclorpropa	10.74	76	190630	0.0094 mg/kg	100
68) 2Hexanone	9.72	43	1224133	0.0900 mg/kg	100
69) Clorodibrmta	11.05	129	120180	0.0098 mg/kg	100
70) 12Dibrometha	11.19	107	103751	0.0091 mg/kg	100
71) Chlorobenzen	11.83	112	348246	0.0101 mg/kg	100
72) 1Clhexane	11.76	91	202179	0.0114 mg/kg	100
73) 1112Tetclota	11.94	131	117759	0.0087 mg/kg	100
74) Ethylbenzene	11.95	91	617644	0.0106 mg/kg	100
75) m p-Xylene	12.11	106	431565	0.0214 mg/kg	100
76) o-Xylene	12.66	106	207068	0.0100 mg/kg	100
77) Styrene	12.69	104	365469	0.0102 mg/kg	100
78) Bromoform	12.99	173	73060	0.0099 mg/kg	100
79) Isopropylben	13.16	105	549763	0.0109 mg/kg	100
81) cyclohexanone	13.36	55	74396	0.1793 mg/kg	98
83) Bromobenzene	13.63	156	137252	0.0098 mg/kg	100
84) 1122Tetrclta	13.66	83	133698	0.0089 mg/kg	100
85) 123Triclproa	13.71	75	126351	0.0088 mg/kg	100
86) n-Propylbenz	13.74	91	687956	0.0108 mg/kg	100
87) 2chlorotolue	13.89	91	367449	0.0097 mg/kg	100
88) 4chlorotolue	14.04	91	425852	0.0104 mg/kg	100
89) 135Trimebenz	13.99	105	417520	0.0104 mg/kg	100
90) tbutylbenzen	14.45	119	347943	0.0107 mg/kg	100
91) 124Trimetben	14.53	105	398281	0.0102 mg/kg	100
92) sbutylbenzen	14.76	105	579198	0.0114 mg/kg	100
93) 13Diclorbenz	14.97	146	232734	0.0098 mg/kg	100
94) pIsopropylto	14.97	119	417052	0.0107 mg/kg	100
95) 14dichlorobe	15.10	146	233395	0.0098 mg/kg	99
96) 12dichlorobe	15.64	146	221056	0.0102 mg/kg	100
97) nButylbenzen	15.57	91	430499	0.0113 mg/kg	100
98) 12dibromo3cl	16.77	157	18292	0.0086 mg/kg	100
99) 135Trichlorobenzene	17.01	180	157012	0.0104 mg/kg	100
100) 124Trichlobe	17.83	180	122804	0.0101 mg/kg	100
101) Hexachlorobu	18.02	225	82398	0.0123 mg/kg	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\CALLS4.D Vial: 8
Acq On : 19 Aug 2013 11:33 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 13:10 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

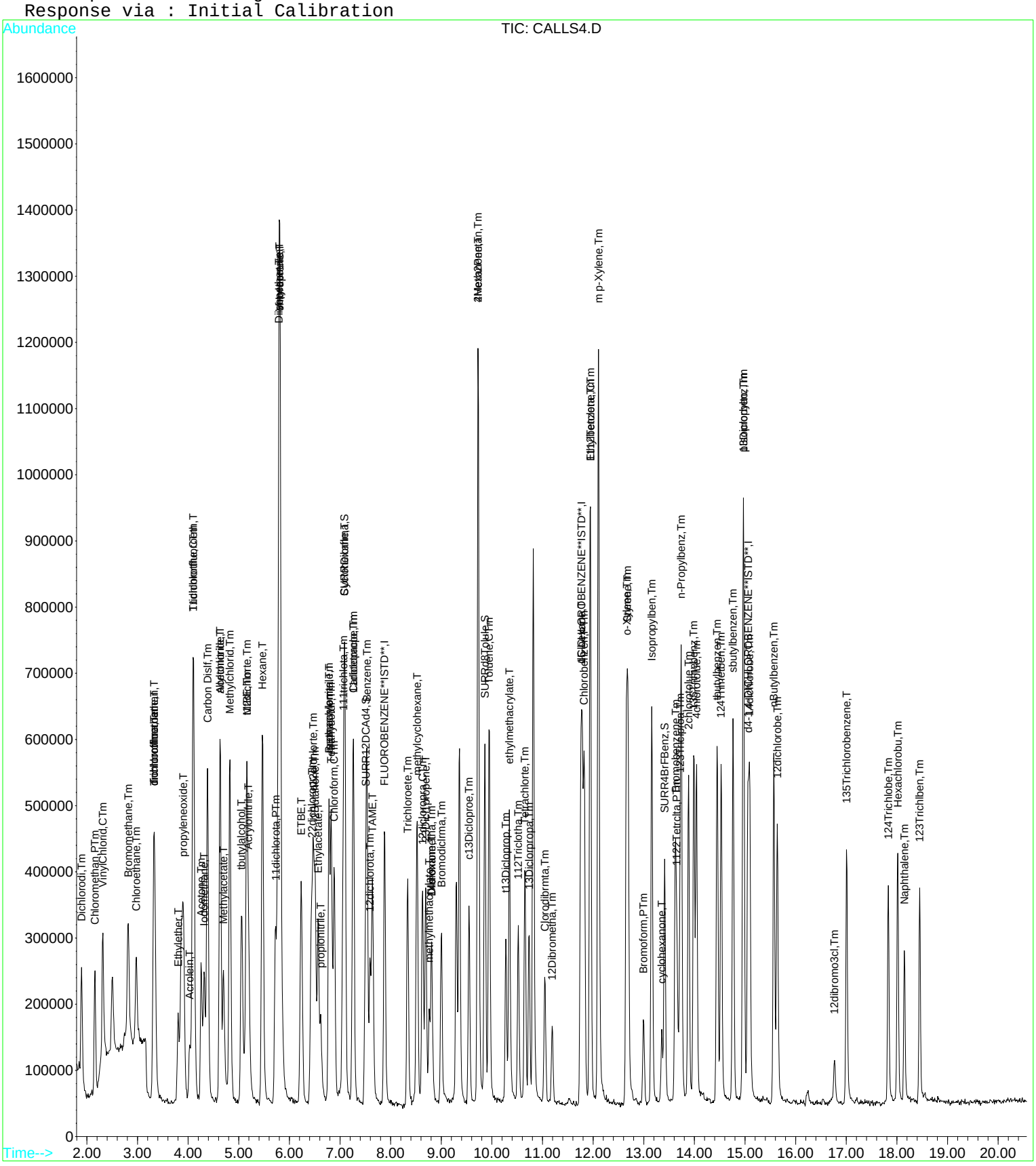
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) Naphthalene	18.15	128	221123	0.0101	mg/kg	100
103) 123Trichlben	18.45	180	114793	0.0105	mg/kg	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG1913\CALLS4.D Vial: 8
Acq On : 19 Aug 2013 11:33 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 13:10 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\CALLS5.D Vial: 9
Acq On : 19 Aug 2013 12:02 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.020/0.20 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 13:11 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	515088	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.78	117	350043	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	169198	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	181689	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
46) SURR12DCAd4	7.50	102	35872	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 106 %			
60) SURRd8Tolule	9.86	98	475914	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 94 %			
82) SURR4BrFBenz	13.41	95	172163	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 94 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	440105	0.0179	mg/kg	97
3) Chloromethan	2.16	50	540794	0.0182	mg/kg	100
4) VinylChlorid	2.32	62	551816	0.0205	mg/kg	98
5) Bromomethane	2.82	94	383978	0.0178	mg/kg	98
6) Chloroethane	2.97	64	324102	0.0186	mg/kg	99
7) dichloroflmethane	3.32	67	828429	0.0193	mg/kg	98
8) Trichlorofma	3.35	101	541567	0.0215	mg/kg	99
9) Ethylether	3.80	59	271703	0.0198	mg/kg	95
10) dichlorotfluoroethan	3.32	67	828429	0.0193	mg/kg	100
11) propyleneoxide	3.91	58	680594	0.2112	mg/kg	98
12) Acrolein	4.03	56	299833	0.1076	mg/kg	97
13) 11dichlorthe	4.11	96	300955	0.0205	mg/kg	96
14) Trichlorotfluoroeth	4.11	101	624061	0.0468	mg/kg	98
15) Acetone	4.25	43	1015952	0.1805	mg/kg	99
16) Iodomethane	4.32	142	690757	0.0343	mg/kg	99
17) Carbon Dislf	4.38	76	2044232	0.0420	mg/kg	100
18) allylchloride	4.63	76	362475	0.0860	mg/kg	93
19) Methylacetate	4.70	74	190284	0.0243	mg/kg	92
20) Acetonitrile	4.63	41	1101564	0.1942	mg/kg	98
21) Methylchlorid	4.82	84	480959	Below	Cal	96
22) tbutylalcohol	5.05	59	1503770	1.1380	mg/kg	99
23) t12dichlorte	5.16	96	334149	0.0204	mg/kg	99
24) MtBE	5.15	73	787048	0.0223	mg/kg#	98
25) Acrylonitrile	5.19	53	526239	0.1131	mg/kg	99
26) Hexane	5.47	57	836048	0.0476	mg/kg	99
27) 11dichlorota	5.72	63	682989	0.0193	mg/kg	99
28) Vinylacetate	5.80	43	5569942	0.2050	mg/kg	99
29) chloroprene	5.82	53	1150752	0.0510	mg/kg	100
30) Diisopether	5.77	45	1392702	0.0212	mg/kg	99
31) ETBE	6.23	59	1018735	0.0203	mg/kg	100
32) 22dichloropr	6.44	77	490109	0.0208	mg/kg	97
33) c12dichlorte	6.48	96	372279	0.0196	mg/kg	96
34) 2Butanone	6.51	72	290273	0.2403	mg/kg	93
35) Ethylacetate	6.57	88	40170	0.1144	mg/kg#	83
36) propionitrile	6.61	54	399245	0.2251	mg/kg	97
37) Bromochlorma	6.78	128	165763	0.0197	mg/kg	94
38) methacrylonitrile	6.78	67	216143	0.0457	mg/kg	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\CALLS5.D Vial: 9
Acq On : 19 Aug 2013 12:02 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.020/0.20 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 13:11 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.82	42	961785	0.2214 mg/kg	99
40)	Chloroform	6.89	83	624955	0.0192 mg/kg	99
41)	111trichlota	7.06	97	489637	0.0221 mg/kg	98
42)	Cyclohexane	7.10	56	581515	0.0259 mg/kg	99
44)	Carbtetraclo	7.25	119	389646	0.0228 mg/kg	100
45)	11dicloprope	7.26	110	135871	0.0232 mg/kg	99
47)	Benzene	7.53	78	1215177	0.0208 mg/kg	93
48)	12dichlorota	7.59	62	459058	0.0203 mg/kg	99
49)	TAME	7.64	73	821398	0.0209 mg/kg	99
50)	Trichloroete	8.34	95	315127	0.0217 mg/kg	98
51)	methylcyclohexane	8.52	83	452470	0.0247 mg/kg	99
52)	12dicloropra	8.63	63	367275	0.0217 mg/kg#	96
53)	23Dicl1propene	8.69	75	505337	0.0220 mg/kg	98
54)	Dibromometha	8.81	93	232116	0.0206 mg/kg	100
55)	methylmethacrylate	8.76	69	185004	Below Cal	94
56)	14dioxane	8.82	88	127079	1.1415 mg/kg	96
57)	Bromodiclrma	9.00	83	455699	0.0210 mg/kg	99
58)	c13Dicloproe	9.55	75	505034	0.0235 mg/kg	99
59)	4Meth2Pentan	9.72	43	3145335	0.2164 mg/kg	98
61)	Toluene	9.94	92	700457	0.0192 mg/kg	99
62)	t13Dicloprop	10.27	75	411629	0.0242 mg/kg	99
63)	ethylmethacrylate	10.34	69	714875	0.0403 mg/kg	98
64)	112Triclotha	10.52	83	216913	0.0208 mg/kg	98
65)	Tetrachlorte	10.66	166	269075	0.0213 mg/kg	99
66)	13Diclorpropa	10.74	76	451213	0.0208 mg/kg	99
68)	2Hexanone	9.72	43	3145335	0.2250 mg/kg	98
69)	Clorodibrmta	11.04	129	284852	0.0226 mg/kg	97
70)	12Dibrometha	11.19	107	260079	0.0223 mg/kg	98
71)	Chlorobenzen	11.82	112	722467	0.0205 mg/kg	99
72)	1Clhexane	11.75	91	420041	0.0230 mg/kg	99
73)	1112Tetclota	11.94	131	255313	0.0183 mg/kg	97
74)	Ethylbenzene	11.95	91	1315254	0.0219 mg/kg	98
75)	m p-Xylene	12.10	106	911501	0.0440 mg/kg	99
76)	o-Xylene	12.65	106	435390	0.0205 mg/kg	98
77)	Styrene	12.68	104	789651	0.0214 mg/kg	99
78)	Bromoform	13.00	173	177547	0.0235 mg/kg	98
79)	Isopropylben	13.16	105	1175904	0.0227 mg/kg	98
81)	cyclohexanone	13.35	55	200433	0.4442 mg/kg	91
83)	Bromobenzene	13.63	156	295906	0.0193 mg/kg	99
84)	1122Tetrclta	13.66	83	332523	0.0202 mg/kg	100
85)	123Triclproa	13.71	75	329918	0.0212 mg/kg	99
86)	n-Propylbenz	13.74	91	1473655	0.0213 mg/kg	99
87)	2chlorotolue	13.88	91	800252	0.0195 mg/kg	99
88)	4chlorotolue	14.04	91	938097	0.0210 mg/kg	98
89)	135Trimebenz	13.98	105	889216	0.0204 mg/kg	99
90)	tbutylbenzen	14.45	119	735891	0.0208 mg/kg	100
91)	124Trimetben	14.52	105	870294	0.0206 mg/kg	98
92)	sbutylbenzen	14.76	105	1227571	0.0223 mg/kg	99
93)	13Diclorbenz	14.96	146	541678	0.0210 mg/kg	99
94)	pIsopropylto	14.97	119	989442	0.0233 mg/kg	98
95)	14dichlorobe	15.09	146	542283	0.0211 mg/kg	98
96)	12dichlorobe	15.64	146	519234	0.0221 mg/kg	97
97)	nButylbenzen	15.57	91	1008321	0.0243 mg/kg	99
98)	12dibromo3cl	16.77	157	54698	0.0237 mg/kg	88
99)	135Trichlorobenzene	17.00	180	355747	0.0217 mg/kg	98
100)	124Trichlobe	17.83	180	304252	0.0229 mg/kg	98
101)	Hexachlorobu	18.02	225	182549	0.0251 mg/kg	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\CALLS5.D Vial: 9
Acq On : 19 Aug 2013 12:02 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.020/0.20 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 13:11 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

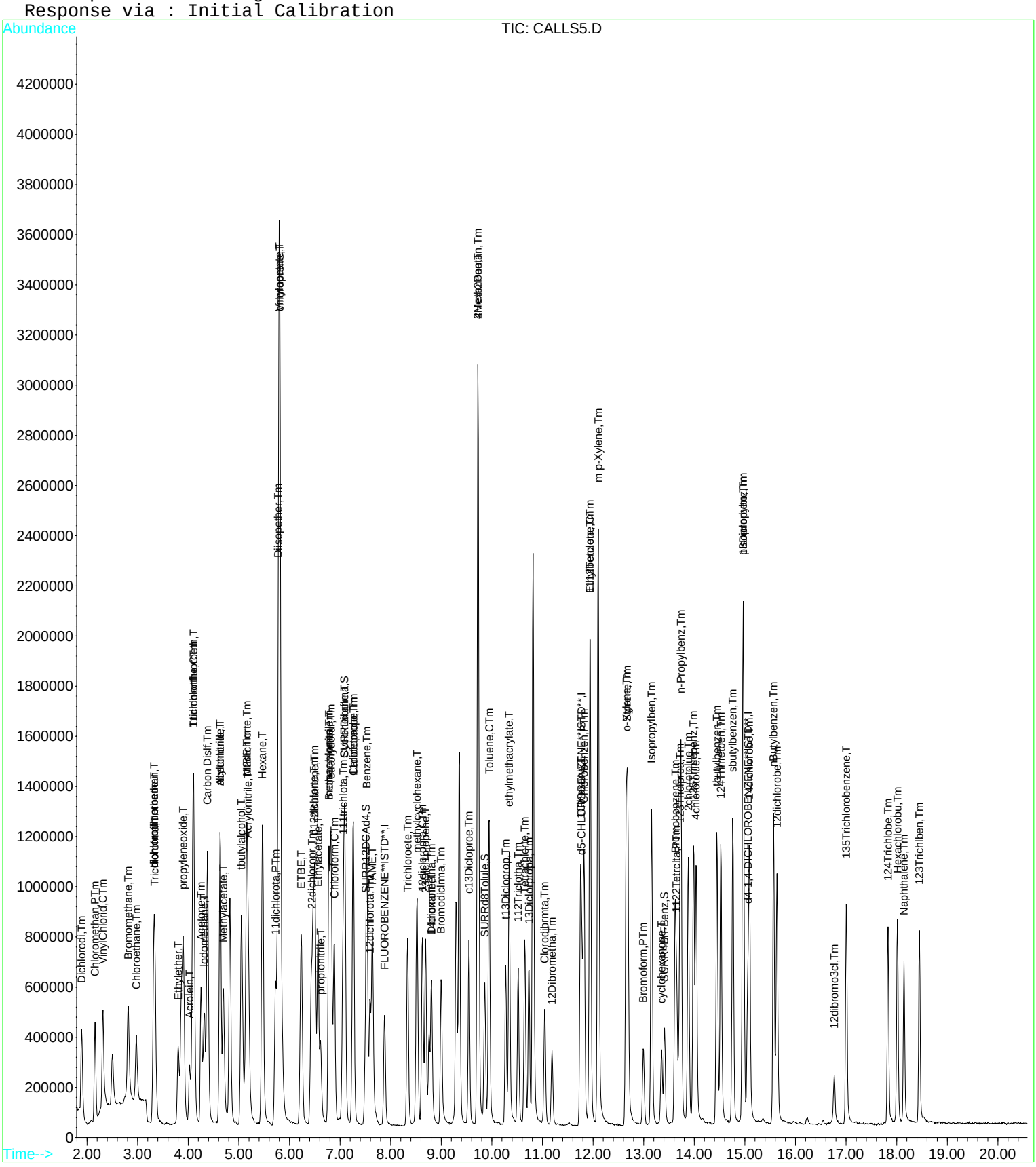
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) Naphthalene	18.14	128	608729	0.0255	mg/kg	99
103) 123Trichlben	18.45	180	283802	0.0238	mg/kg	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG1913\CALLS5.D Vial: 9
Acq On : 19 Aug 2013 12:02 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.020/0.20 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 13:11 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\CALLS6.D Vial: 10
Acq On : 19 Aug 2013 12:31 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.030/0.30 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:19 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 15:19:00 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.87	96	544723	0.02	mg/kg	-0.01 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	364361	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	189454	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	192044	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
46) SURR12DCAd4	7.49	102	36330	0.016	mg/kg	-0.01
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
60) SURRd8Tolule	9.86	98	495210	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 94 %			
82) SURR4BrFBenz	13.41	95	180317	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 94 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	706847	0.0287	mg/kg	96
3) Chloromethan	2.16	50	843177	0.0282	mg/kg	99
4) VinylChlorid	2.32	62	876276	0.0307	mg/kg	98
5) Bromomethane	2.81	94	613025	0.0281	mg/kg	99
6) Chloroethane	2.98	64	537517	0.0299	mg/kg	95
7) dichloroflmethane	3.32	67	1292677	0.0291	mg/kg	99
8) Trichlorofma	3.34	101	860183	0.0315	mg/kg	99
9) Ethylether	3.80	59	411275	0.0289	mg/kg	96
10) dichlorotfluoroethan	3.32	67	1292677	0.0291	mg/kg	100
11) propyleneoxide	3.90	58	1002518	0.2948	mg/kg	97
12) Acrolein	4.03	56	454324	0.1523	mg/kg	98
13) 11dichlorthe	4.11	96	488451	0.0311	mg/kg	94
14) Trichlorotfluoroeth	4.10	101	1086347	0.0642	mg/kg	99
15) Acetone	4.25	43	1350359	0.2581	mg/kg	100
16) Iodomethane	4.32	142	1167866	0.0609	mg/kg	98
17) Carbon Dislf	4.38	76	3230250	0.0617	mg/kg	100
18) allylchloride	4.63	76	566720	0.1239	mg/kg	95
19) Methylacetate	4.70	74	281453	0.0320	mg/kg	95
20) Acetonitrile	4.63	41	1755814	0.2969	mg/kg	100
21) Methylchlorid	4.82	84	691112	0.0279	mg/kg	95
22) tbutylalcohol	5.05	59	2174821	1.5268	mg/kg	100
23) t12dichlorte	5.16	96	536710	0.0307	mg/kg	100
24) MtBE	5.15	73	1236816	0.0318	mg/kg#	97
25) Acrylonitrile	5.19	53	788652	0.1550	mg/kg	98
26) Hexane	5.46	57	1423722	0.0694	mg/kg#	90
27) 11dichlorota	5.72	63	1076282	0.0293	mg/kg	99
28) Vinylacetate	5.80	43	9314317	0.3128	mg/kg	98
29) chloroprene	5.82	53	1866324	0.0684	mg/kg	100
30) Diisopether	5.77	45	2215706	0.0311	mg/kg	98
31) ETBE	6.23	59	1639158	0.0305	mg/kg	99
32) 22dichloropr	6.44	77	777231	0.0306	mg/kg	99
33) c12dichlorte	6.48	96	593750	0.0298	mg/kg	95
34) 2Butanone	6.51	72	428487	0.3167	mg/kg	91
35) Ethylacetate	6.57	88	61994	0.1597	mg/kg#	81
36) propionitrile	6.62	54	586916	0.3054	mg/kg	97
37) Bromochlorma	6.78	128	258758	0.0295	mg/kg	93
38) methacrylonitrile	6.77	67	319289	0.0613	mg/kg	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\CALLS6.D Vial: 10
Acq On : 19 Aug 2013 12:31 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.030/0.30 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:19 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 15:19:00 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
39)	Tetrahydofur	6.82	42	1399538	0.3009	mg/kg	100
40)	Chloroform	6.88	83	990227	0.0294	mg/kg	100
41)	111trichlota	7.06	97	781989	0.0319	mg/kg	98
42)	Cyclohexane	7.10	56	959879	0.0308	mg/kg	99
44)	Carbtetraclo	7.25	119	627749	0.0327	mg/kg	100
45)	11dicloprope	7.26	110	240295	0.0355	mg/kg	94
47)	Benzene	7.53	78	1958367	0.0311	mg/kg	91
48)	12dichlorota	7.59	62	711584	0.0298	mg/kg	98
49)	TAME	7.64	73	1305559	0.0309	mg/kg	98
50)	Trichloroete	8.34	95	516088	0.0323	mg/kg	98
51)	methylcyclohexane	8.52	83	814504	0.0323	mg/kg	98
52)	12dicloropra	8.63	63	598944	0.0320	mg/kg	100
53)	23Dicl1propene	8.69	75	836699	0.0326	mg/kg	98
54)	Dibromometha	8.80	93	360204	0.0302	mg/kg	100
55)	methylmethacrylate	8.76	69	275601	0.0301	mg/kg	95
56)	14dioxane	8.81	88	195574	1.5970	mg/kg	95
57)	Bromodiclrma	9.00	83	726378	0.0311	mg/kg	98
58)	c13Dicloproe	9.55	75	839365	0.0338	mg/kg	97
59)	4Meth2Pentan	9.72	43	4658818	0.3007	mg/kg	99
61)	Toluene	9.94	92	1131901	0.0298	mg/kg	98
62)	t13Dicloprop	10.27	75	685046	0.0345	mg/kg	100
63)	ethylmethacrylate	10.34	69	1084194	0.0584	mg/kg	96
64)	112Triclotha	10.52	83	341469	0.0305	mg/kg	98
65)	Tetrachlorte	10.66	166	456633	0.0330	mg/kg	97
66)	13Diclorpropa	10.74	76	715500	0.0307	mg/kg	98
68)	2Hexanone	9.72	43	4672313	0.3118	mg/kg	99
69)	Clorodibrmta	11.04	129	451810	0.0325	mg/kg	96
70)	12Dibrometha	11.19	107	409088	0.0322	mg/kg	97
71)	Chlorobenzen	11.82	112	1165191	0.0313	mg/kg	99
72)	1Clhexane	11.75	91	747768	0.0361	mg/kg	99
73)	1112Tetclota	11.94	131	412906	0.0293	mg/kg	99
74)	Ethylbenzene	11.95	91	2142682	0.0328	mg/kg	99
75)	m p-Xylene	12.10	106	1511937	0.0667	mg/kg	99
76)	o-Xylene	12.66	106	720336	0.0318	mg/kg	99
77)	Styrene	12.68	104	1276742	0.0320	mg/kg	100
78)	Bromoform	13.00	173	272977	0.0326	mg/kg	98
79)	Isopropylben	13.16	105	1939478	0.0338	mg/kg	99
81)	cyclohexanone	13.35	55	284462	0.5691	mg/kg	90
83)	Bromobenzene	13.62	156	483775	0.0291	mg/kg	97
84)	1122Tetrclta	13.66	83	508736	0.0285	mg/kg	100
85)	123Triclproa	13.71	75	498317	0.0289	mg/kg	100
86)	n-Propylbenz	13.74	91	2504583	0.0318	mg/kg	100
87)	2chlorotolue	13.89	91	1325145	0.0296	mg/kg	100
88)	4chlorotolue	14.04	91	1547990	0.0308	mg/kg	99
89)	135Trimebenz	13.98	105	1512289	0.0309	mg/kg	99
90)	tbutylbenzen	14.45	119	1359032	0.0328	mg/kg	99
91)	124Trimetben	14.52	105	1650592	0.0335	mg/kg	99
92)	sbutylbenzen	14.76	105	2395438	0.0354	mg/kg	99
93)	13Diclorbenz	14.96	146	958475	0.0323	mg/kg	100
94)	pIsopropylto	14.97	119	1780447	0.0347	mg/kg	99
95)	14dichlorobe	15.10	146	962285	0.0326	mg/kg	99
96)	12dichlorobe	15.64	146	903480	0.0327	mg/kg	98
97)	nButylbenzen	15.57	91	1929782	0.0319	mg/kg	99
98)	12dibromo3cl	16.77	157	92829	0.0330	mg/kg	86
99)	135Trichlorobenzene	17.00	180	712364	0.0358	mg/kg	98
100)	124Trichlobe	17.83	180	595865	0.0363	mg/kg	98
101)	Hexachlorobu	18.02	225	382792	0.0395	mg/kg	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\CALLS6.D Vial: 10
Acq On : 19 Aug 2013 12:31 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.030/0.30 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:19 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 15:19:00 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

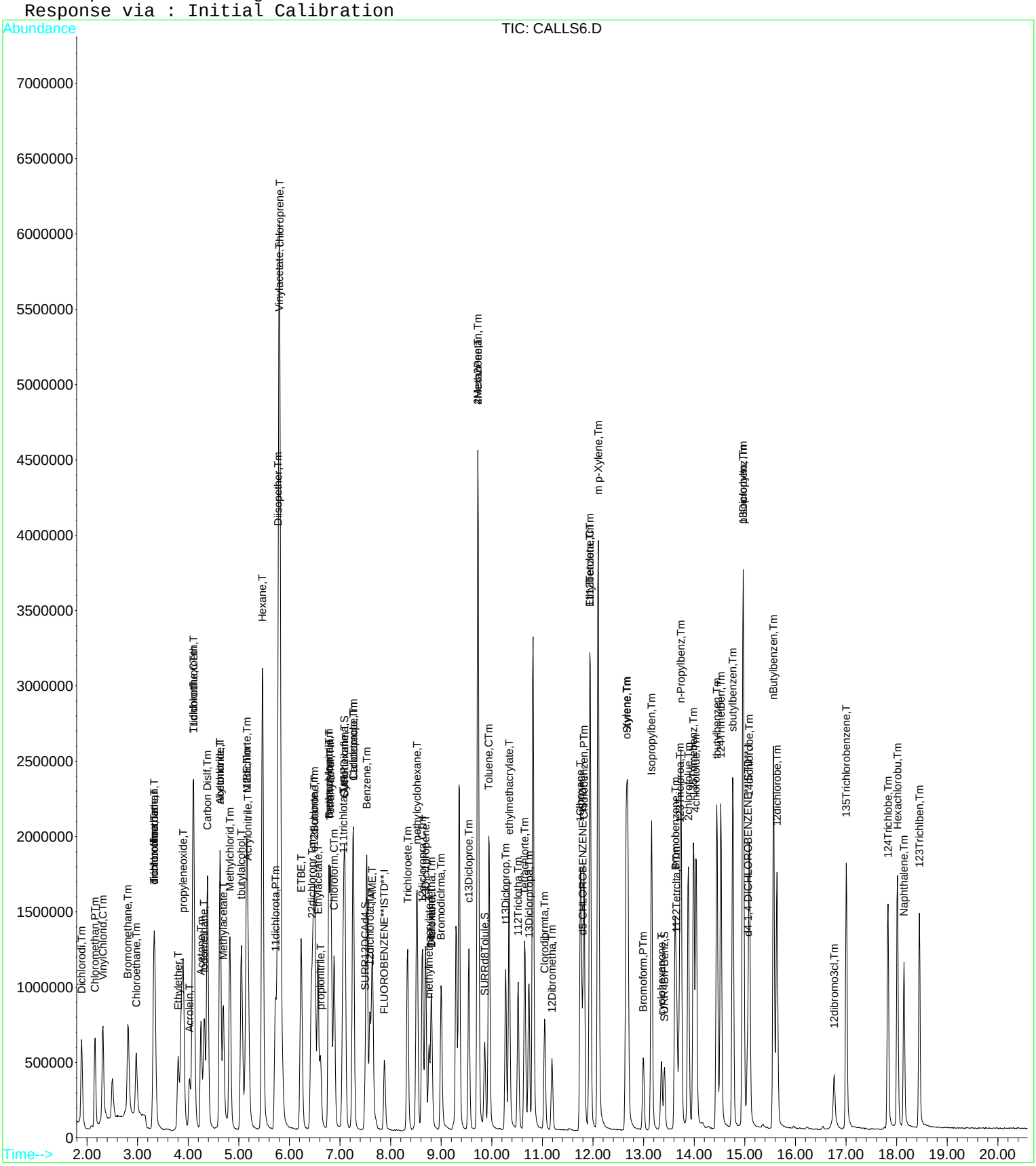
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) Naphthalene	18.14	128	1052717	0.0343	mg/kg	97
103) 123Trichlben	18.45	180	538825	0.0357	mg/kg	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG1913\CALLS6.D Vial: 10
Acq On : 19 Aug 2013 12:31 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.030/0.30 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:19 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\CALLS7.D Vial: 11
Acq On : 19 Aug 2013 13:00 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.040/0.40 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 14:14 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	564518	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.78	117	379143	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	198816	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	191710	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
46) SURR12DCAd4	7.50	102	38926	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
60) SURRd8Tolule	9.86	98	515546	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 94 %			
82) SURR4BrFBenz	13.41	95	189898	0.014	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 88 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	898850	0.0346	mg/kg	98
3) Chloromethan	2.15	50	1120684	0.0355	mg/kg	100
4) VinylChlorid	2.31	62	1161221	0.0391	mg/kg	99
5) Bromomethane	2.81	94	863323	0.0379	mg/kg	99
6) Chloroethane	2.97	64	711586	0.0379	mg/kg	97
7) dichloroflmethane	3.31	67	1752977	0.0377	mg/kg	99
8) Trichlorofma	3.34	101	1126494	0.0398	mg/kg	98
9) Ethylether	3.80	59	565262	0.0380	mg/kg	95
10) dichlorotfluoroethan	3.31	67	1752977	0.0377	mg/kg	99
11) propyleneoxide	3.91	58	1339171	0.3769	mg/kg	99
12) Acrolein	4.02	56	601435	0.1936	mg/kg	99
13) 11dichlorthe	4.10	96	656482	0.0403	mg/kg	94
14) Trichlorotfluoroeth	4.10	101	1353828	0.0861	mg/kg	99
15) Acetone	4.25	43	1790052	0.3077	mg/kg	98
16) Iodomethane	4.32	142	1658374	0.0766	mg/kg	99
17) Carbon Dislf	4.38	76	4347482	0.0802	mg/kg	100
18) allylchloride	4.63	76	774945	0.1641	mg/kg	94
19) Methylacetate	4.69	74	374481	0.0413	mg/kg	95
20) Acetonitrile	4.63	41	2374373	0.3854	mg/kg	99
21) Methylchlorid	4.82	84	878876	Below	Cal	98
22) tbutylalcohol	5.05	59	2779463	1.8647	mg/kg	99
23) t12dichlorte	5.16	96	723425	0.0399	mg/kg	99
24) MtBE	5.14	73	1670295	0.0417	mg/kg#	100
25) Acrylonitrile	5.19	53	1057063	0.2006	mg/kg	98
26) Hexane	5.47	57	1818722	0.0799	mg/kg	99
27) 11dichlorota	5.73	63	1476430	0.0385	mg/kg	98
28) Vinylacetate	5.79	43	12493393	0.3594	mg/kg	98
29) chloroprene	5.81	53	2506894	0.0925	mg/kg	100
30) Diisopether	5.77	45	3039651	0.0414	mg/kg	98
31) ETBE	6.23	59	2252972	0.0406	mg/kg	100
32) 22dichloropr	6.43	77	1078000	0.0411	mg/kg	100
33) c12dichlorte	6.47	96	818149	0.0395	mg/kg	96
34) 2Butanone	6.50	72	579752	0.4158	mg/kg	94
35) Ethylacetate	6.56	88	81553	0.2032	mg/kg#	84
36) propionitrile	6.61	54	780283	0.3904	mg/kg	96
37) Bromochlorma	6.78	128	354538	0.0388	mg/kg	92
38) methacrylonitrile	6.78	67	448666	0.0837	mg/kg	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\CALLS7.D Vial: 11
Acq On : 19 Aug 2013 13:00 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.040/0.40 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 14:14 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
39)	Tetrahydofur	6.82	42	1838797	0.3785	mg/kg	98
40)	Chloroform	6.89	83	1337442	0.0380	mg/kg	100
41)	111trichlota	7.06	97	1077242	0.0428	mg/kg	98
42)	Cyclohexane	7.09	56	1279880	0.0470	mg/kg	98
44)	Carbtetraclo	7.25	119	849343	0.0432	mg/kg	100
45)	11dicloprope	7.26	110	307861	0.0446	mg/kg	98
47)	Benzene	7.53	78	2653357	0.0408	mg/kg	90
48)	12dichlorota	7.59	62	960873	0.0387	mg/kg	96
49)	TAME	7.63	73	1778768	0.0407	mg/kg	99
50)	Trichloroete	8.33	95	686533	0.0417	mg/kg	99
51)	methylcyclohexane	8.52	83	1019232	0.0459	mg/kg	98
52)	12dicloropra	8.63	63	831188	0.0433	mg/kg	95
53)	23Dicl1propene	8.69	75	1161942	0.0444	mg/kg	97
54)	Dibromometha	8.80	93	485323	0.0391	mg/kg	100
55)	methylmethacrylate	8.76	69	367761	0.0387	mg/kg	96
56)	14dioxane	8.81	88	251956	1.9828	mg/kg	94
57)	Bromodiclrma	9.00	83	985574	0.0408	mg/kg	99
58)	c13Dicloproe	9.54	75	1165195	0.0463	mg/kg	97
59)	4Meth2Pentan	9.73	43	6133730	0.3792	mg/kg	99
61)	Toluene	9.95	92	1507951	0.0381	mg/kg	98
62)	t13Dicloprop	10.27	75	934550	0.0464	mg/kg	99
63)	ethylmethacrylate	10.34	69	1478907	0.0764	mg/kg	99
64)	112Triclotha	10.52	83	467739	0.0404	mg/kg	97
65)	Tetrachlorte	10.65	166	579851	0.0405	mg/kg	97
66)	13Diclorpropa	10.73	76	971182	0.0403	mg/kg	98
68)	2Hexanone	9.73	43	6140467	0.3928	mg/kg	99
69)	Clorodibrmta	11.05	129	619876	0.0434	mg/kg	95
70)	12Dibrometha	11.18	107	541356	0.0412	mg/kg	99
71)	Chlorobenzen	11.82	112	1560428	0.0403	mg/kg	99
72)	1Clhexane	11.76	91	919542	0.0432	mg/kg	97
73)	1112Tetclota	11.94	131	561601	0.0380	mg/kg	100
74)	Ethylbenzene	11.94	91	2848093	0.0422	mg/kg	99
75)	m p-Xylene	12.10	106	1956268	0.0835	mg/kg	99
76)	o-Xylene	12.66	106	984724	0.0421	mg/kg	97
77)	Styrene	12.69	104	1738217	0.0423	mg/kg	98
78)	Bromoform	12.99	173	371169	0.0430	mg/kg	98
79)	Isopropylben	13.15	105	2514074	0.0424	mg/kg	100
81)	cyclohexanone	13.35	55	371602	0.6952	mg/kg	83
83)	Bromobenzene	13.62	156	634856	0.0359	mg/kg	99
84)	1122Tetrclta	13.65	83	673102	0.0353	mg/kg	98
85)	123Triclproa	13.71	75	669369	0.0365	mg/kg	100
86)	n-Propylbenz	13.74	91	3193450	0.0384	mg/kg	99
87)	2chlorotolue	13.88	91	1707973	0.0358	mg/kg	100
88)	4chlorotolue	14.04	91	1989608	0.0374	mg/kg	100
89)	135Trimebenz	13.99	105	1962546	0.0380	mg/kg	99
90)	tbutylbenzen	14.45	119	1882012	0.0439	mg/kg	100
91)	124Trimetben	14.53	105	2190966	0.0427	mg/kg	99
92)	sbutylbenzen	14.77	105	3164848	0.0458	mg/kg	99
93)	13Diclorbenz	14.96	146	1253157	0.0403	mg/kg	99
94)	pIsopropylto	14.97	119	2294537	0.0430	mg/kg	99
95)	14dichlorobe	15.09	146	1218315	0.0392	mg/kg	98
96)	12dichlorobe	15.63	146	1197891	0.0416	mg/kg	99
97)	nButylbenzen	15.57	91	2378983	0.0439	mg/kg	99
98)	12dibromo3cl	16.76	157	132818	0.0460	mg/kg	87
99)	135Trichlorobenzene	17.01	180	926912	0.0453	mg/kg	99
100)	124Trichlobe	17.83	180	774977	0.0460	mg/kg	99
101)	Hexachlorobu	18.02	225	515458	0.0530	mg/kg	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\CALLS7.D Vial: 11
Acq On : 19 Aug 2013 13:00 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.040/0.40 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 14:14 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 13:09:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

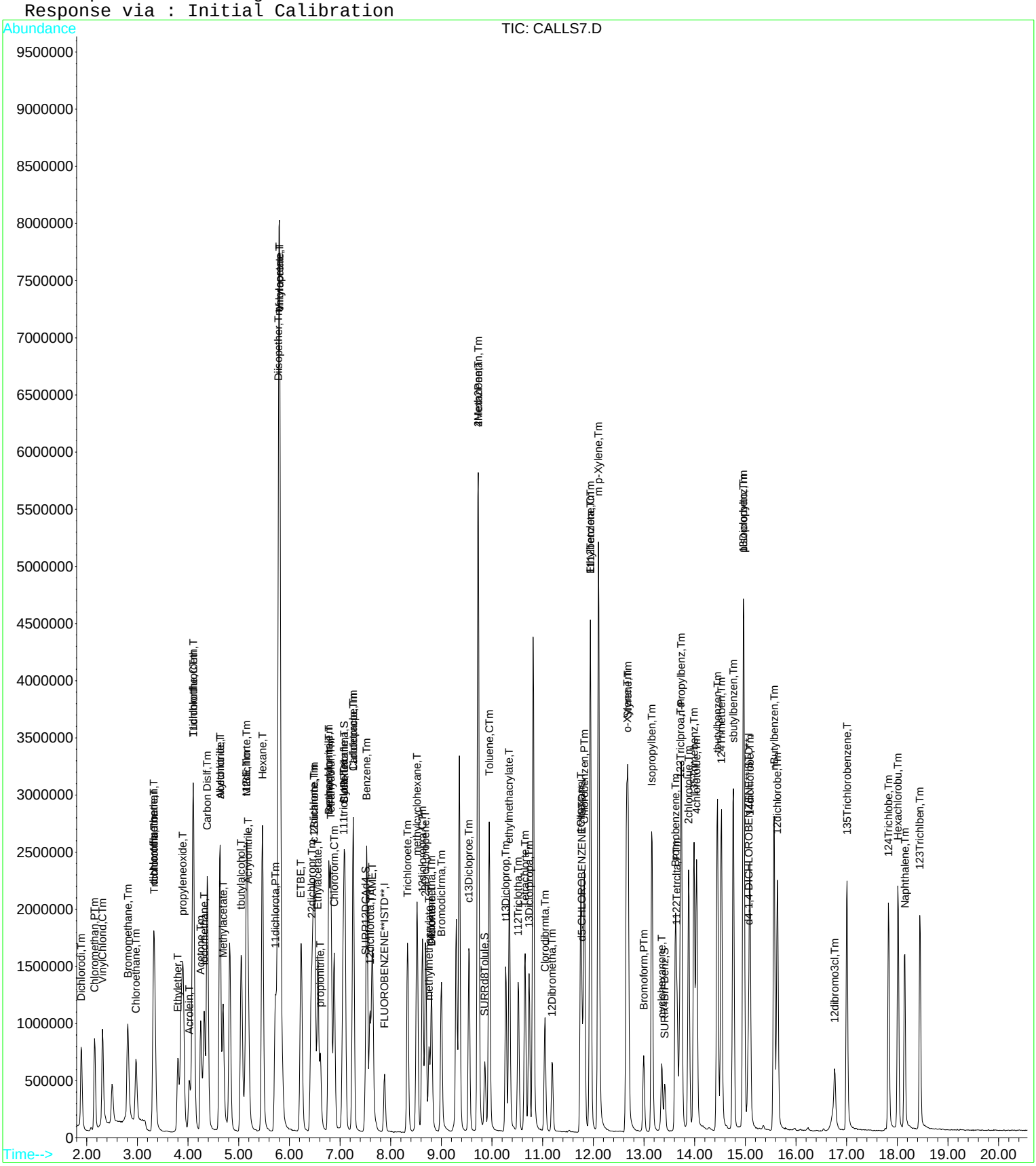
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) Naphthalene	18.15	128	1554083	0.0504	mg/kg	97
103) 123Trichlben	18.45	180	738122	0.0484	mg/kg	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG1913\CALLS7.D Vial: 11
Acq On : 19 Aug 2013 13:00 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.040/0.40 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 14:14 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG1913\CALLS8.D Vial: 13
Acq On : 19 Aug 2013 13:58 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.080/0.80 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:24 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 15:24:35 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.89	96	597684	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.78	117	405074	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	231540	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	210880	0.018	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 113 %			
46) SURR12DCAd4	7.50	102	44604	0.020	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 125 %			
60) SURRd8Tolule	9.86	98	544292	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 106 %			
82) SURR4BrFBenz	13.41	95	240332	0.018	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 113 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	1794063	0.0679	mg/kg	97
3) Chloromethan	2.16	50	2355306	0.0726	mg/kg	99
4) VinylChlorid	2.32	62	2395090	0.0768	mg/kg	98
5) Bromomethane	2.81	94	2360880	0.0958	mg/kg	98
6) Chloroethane	2.97	64	1525210	0.0776	mg/kg	97
7) dichloroflmethane	3.32	67	3717611	0.0767	mg/kg	97
8) Trichlorofma	3.34	101	2338600	0.0783	mg/kg	98
9) Ethylether	3.80	59	1428940	0.0898	mg/kg	95
10) dichlorotfluoroethan	3.32	67	3717611	0.0767	mg/kg	99
11) propyleneoxide	3.90	58	4522221	0.4377	mg/kg	98
12) Acrolein	4.02	56	2052376	0.3381	mg/kg	99
13) 11dichlorthe	4.11	96	1412746	0.0816	mg/kg	92
14) Trichlorotfluoroeth	4.10	101	2836492	0.0960	mg/kg	100
15) Acetone	4.25	43	6246072	0.4225	mg/kg	99
16) Iodomethane	4.31	142	3743566	0.0953	mg/kg	100
17) Carbon Dislf	4.38	76	9279052	0.1433	mg/kg	100
18) allylchloride	4.63	76	1622996	0.2343	mg/kg	96
19) Methylacetate	4.69	74	1284905	0.1229	mg/kg	96
20) Acetonitrile	4.63	41	5108399	0.3740	mg/kg	100
21) Methylchlorid	4.83	84	1817066	0.0812	mg/kg	96
22) tbutylalcohol	5.05	59	13389034	0.6007	mg/kg	98
23) t12dichlorte	5.16	96	1535721	0.0801	mg/kg	99
24) MtBE	5.15	73	4560404	0.1025	mg/kg#	36
25) Acrylonitrile	5.19	53	3482250	0.3373	mg/kg	99
26) Hexane	5.47	57	3957903	0.1530	mg/kg	98
27) 11dichlorota	5.72	63	3127769	0.0778	mg/kg	99
28) Vinylacetate	5.80	43	24871243	Below	Cal	88
29) chloroprene	5.82	53	5469431	0.1574	mg/kg	99
30) Diisopether	5.77	45	7272262	0.0912	mg/kg	99
31) ETBE	6.23	59	5562473	0.0924	mg/kg	99
32) 22dichloropr	6.44	77	2275137	0.0815	mg/kg	99
33) c12dichlorte	6.47	96	1758953	0.0803	mg/kg	97
34) 2Butanone	6.50	72	2201817	0.4646	mg/kg	94
35) Ethylacetate	6.57	88	298326	0.3556	mg/kg#	84
36) propionitrile	6.62	54	2764583	0.4484	mg/kg	97
37) Bromochlorma	6.78	128	839500	0.0862	mg/kg	92
38) methacrylonitrile	6.77	67	1469751	0.2015	mg/kg#	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG1913\CALLS8.D Vial: 13
Acq On : 19 Aug 2013 13:58 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.080/0.80 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:24 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 15:24:35 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.81	42	7022597	0.4549 mg/kg	98
40)	Chloroform	6.88	83	2876168	0.0780 mg/kg	99
41)	111trichlota	7.06	97	2282764	0.0842 mg/kg	97
42)	Cyclohexane	7.10	56	2704637	0.0800 mg/kg	99
44)	Carbtetraclo	7.26	119	1806053	0.0851 mg/kg	99
45)	11dicloprope	7.27	110	657795	0.0874 mg/kg	98
47)	Benzene	7.53	78	5818888	0.0837 mg/kg	88
48)	12dichlorota	7.59	62	2293519	0.0866 mg/kg	98
49)	TAME	7.64	73	4702884	0.0981 mg/kg	99
50)	Trichloroete	8.34	95	1493965	0.0845 mg/kg	100
51)	methylcyclohexane	8.52	83	2188628	0.0800 mg/kg	98
52)	12dicloropra	8.63	63	1861334	0.0891 mg/kg	97
53)	23Dicl1propene	8.69	75	2625528	0.0914 mg/kg	97
54)	Dibromometha	8.80	93	1223956	0.0915 mg/kg	98
55)	methylmethacrylate	8.76	69	1172572	0.0803 mg/kg	96
56)	14dioxane	8.81	88	880075	0.5896 mg/kg	94
57)	Bromodiclrma	9.00	83	2257373	0.0869 mg/kg	98
58)	c13Dicloproe	9.55	75	2762942	0.0982 mg/kg	97
59)	4Meth2Pentan	9.72	43	18791925	0.4248 mg/kg	85
61)	Toluene	9.94	92	3244065	0.0782 mg/kg	98
62)	t13Dicloprop	10.28	75	2429394	0.1062 mg/kg	99
63)	ethylmethacrylate	10.34	69	4353917	0.1769 mg/kg	99
64)	112Triclotha	10.52	83	1216612	0.0962 mg/kg	98
65)	Tetrachlorte	10.65	166	1235874	0.0812 mg/kg	96
66)	13Diclorpropa	10.73	76	2529329	0.0961 mg/kg	99
68)	2Hexanone	9.72	43	18791925	0.4277 mg/kg	85
69)	Clorodibrmta	11.04	129	1587117	0.0992 mg/kg	96
70)	12Dibrometha	11.19	107	1482545	0.1012 mg/kg	98
71)	Chlorobenzen	11.82	112	3382892	0.0814 mg/kg	100
72)	1Clhexane	11.75	91	1970353	0.0848 mg/kg	96
73)	1112Tetclota	11.94	131	1295729	0.0824 mg/kg	99
74)	Ethylbenzene	11.95	91	6125950	0.0837 mg/kg	99
75)	m p-Xylene	12.11	106	4207563	0.1470 mg/kg	99
76)	o-Xylene	12.66	106	2485579	0.0959 mg/kg	100
77)	Styrene	12.69	104	4500232	0.0983 mg/kg	98
78)	Bromoform	12.99	173	1274158	0.1256 mg/kg	98
79)	Isopropylben	13.16	105	6380756	0.0969 mg/kg	100
81)	cyclohexanone	13.35	55	1710947	0.5334 mg/kg	88
83)	Bromobenzene	13.62	156	1649274	0.0810 mg/kg	97
84)	1122Tetrclta	13.65	83	2424700	0.1058 mg/kg	100
85)	123Triclproa	13.71	75	2593961	0.1153 mg/kg	97
86)	n-Propylbenz	13.74	91	8146472	0.0840 mg/kg	100
87)	2chlorotolue	13.89	91	4377540	0.0800 mg/kg	99
88)	4chlorotolue	14.03	91	4977416	0.0810 mg/kg	99
89)	135Trimebenz	13.98	105	4963637	0.0826 mg/kg	100
90)	tbutylbenzen	14.45	119	4092389	0.0808 mg/kg	100
91)	124Trimetben	14.53	105	4777247	0.0793 mg/kg	100
92)	sbutylbenzen	14.76	105	6770156	0.0816 mg/kg	100
93)	13Diclorbenz	14.96	146	2876738	0.0794 mg/kg	100
94)	pIsopropylto	14.97	119	5277067	0.0835 mg/kg	97
95)	14dichlorobe	15.09	146	2856376	0.0793 mg/kg	98
96)	12dichlorobe	15.64	146	2828786	0.0834 mg/kg	99
97)	nButylbenzen	15.57	91	5357814	0.0832 mg/kg	98
98)	12dibromo3cl	16.77	157	421746	0.1151 mg/kg	91
99)	135Trichlorobenzene	17.00	180	1908759	0.0787 mg/kg	99
100)	124Trichlobe	17.83	180	1679304	0.0833 mg/kg	98
101)	Hexachlorobu	18.02	225	988738	0.0791 mg/kg	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG1913\CALLS8.D Vial: 13
Acq On : 19 Aug 2013 13:58 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.080/0.80 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:24 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 15:24:35 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

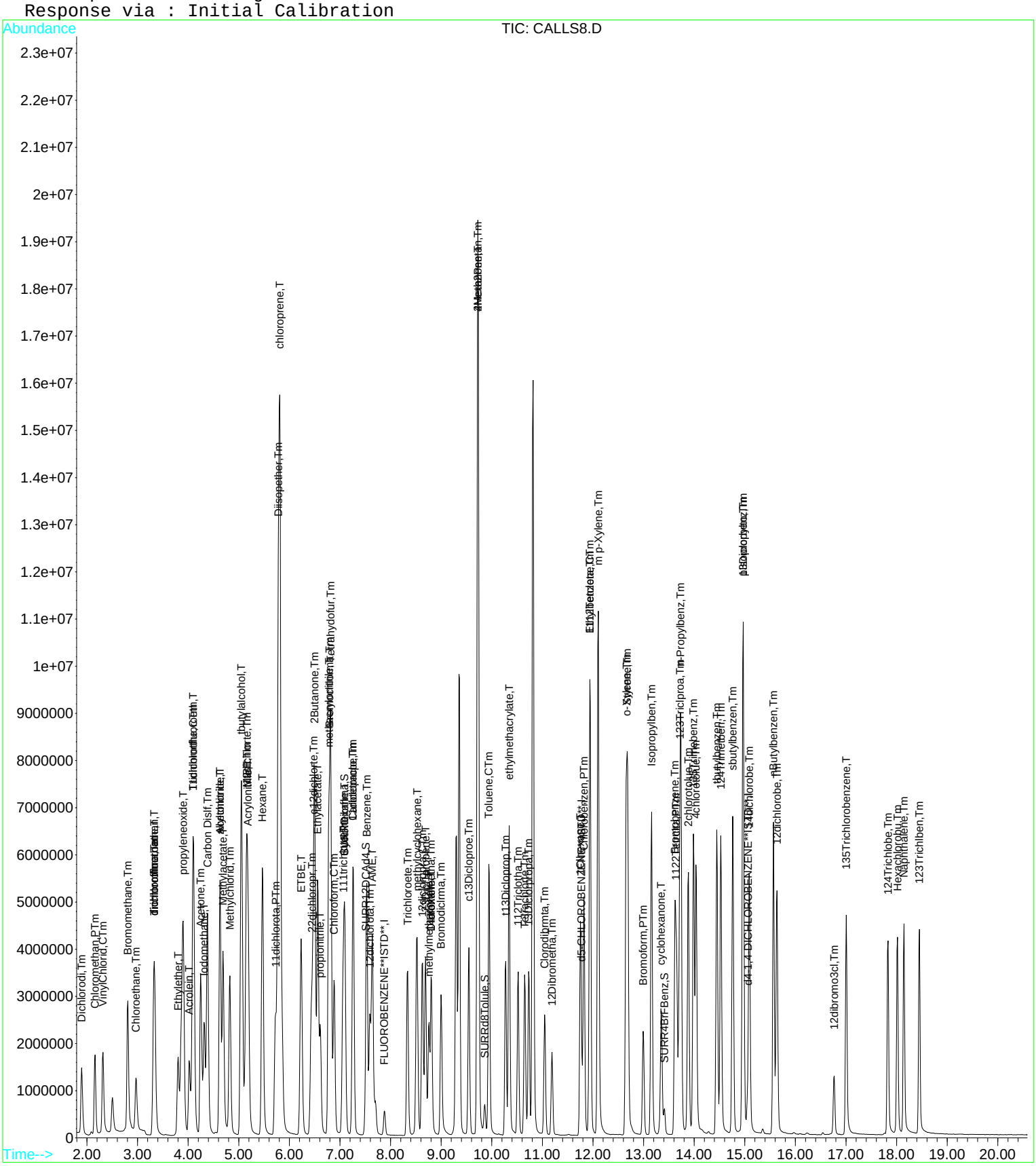
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) Naphthalene	18.15	128	2983830	0.0771	mg/kg	97
103) 123Trichlben	18.45	180	1640808	0.0877	mg/kg	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG1913\CALLS8.D Vial: 13
Acq On : 19 Aug 2013 13:58 Operator: RLD-BMS
Sample : L.L. SOIL CALIB. STD. Inst : VMS1
Misc : 0.080/0.80 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 15:24 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : M:\DATA\AUG1913\ICV1.D Vial: 15
Acq On : 19 Aug 2013 16:42 Operator: RLD-BMS
Sample : INITIAL CALIB. VERIF. Inst : VMS1
Misc : 0.010/0.1 mg/kg, 10.0 mL Purged + ISTD/S Multiplr: 1.00
MS Integration Params: VOC.P

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	FLUOROBENZENE**ISTD**	1.000	1.000	0.0	107	0.00
2	Tm	Dichlorodi	0.884	1.011	-14.4	118	0.00
3	PTm	Chloromethan	1.085	1.241	-14.4	118	0.00
4	CTm	VinylChlorid	1.043	1.203	-15.3	113	0.00
5	Tm	Bromomethane	0.801	0.734	8.4	105	0.00
6	Tm	Chloroethane	0.658	0.699	-6.2	109	0.00
7	T	dichloroflmethane	1.622	1.819	-12.1	114	0.00
8	Tm	Trichlorofma	1.000	0.937	6.3	91	0.01
9	T	Ethylether	0.532	0.556	-4.5	129	0.00
10	T	dichlorotfluoroethan	1.622	1.819	-12.1	114	0.00
11	T	propyleneoxide	0.125	0.125	0.0	115	0.00
12	T	Acrolein	0.110	0.105	4.5	116	0.00
13	CTm	11dichlorthe	0.579	0.656	-13.3	119	0.01
14	T	Trichlorotfluoroeth	0.567	0.697	-22.9#	119	0.00
15	Tm	Acetone	0.192	0.201	-4.7	127	0.00
16	T	Iodomethane	0.595	0.714	-20.0	126	0.01
17	Tm	Carbon Dislf	1.924	2.245	-16.7	118	0.00
18	T	allylchloride	0.168	0.188	-11.9	114	0.00
19	T	Methylacetate	0.323	0.332	-2.8	123	0.00
20	T	Acetonitrile	0.217	0.237	-9.2	112	0.00
21	Tm	Methylchlorid	1.863	1.181	36.6#	109	0.00
22	T	tbutylalcohol	0.052	0.048#	7.7	118	0.00
23	Tm	t12dichlorte	0.642	0.728	-13.4	118	0.00
24	Tm	MtBE	1.488	1.397	6.1	114	0.00
25	T	Acrylonitrile	0.187	0.186	0.5	112	0.00
26	T	Hexane	0.762	0.883	-15.9	118	0.01
27	PTm	11dichlorota	1.345	1.490	-10.8	117	0.00
28	T	Vinylacetate	0.893	0.918	-2.8	119	0.00
29	T	chloroprene	1.020	1.161	-13.8	117	0.00
30	Tm	Diisopether	2.669	2.680	-0.4	112	0.00
31	T	ETBE	2.015	1.985	1.5	114	0.00
32	Tm	22dichloropr	0.934	1.096	-17.3	118	0.00
33	Tm	c12dichlorte	0.733	0.808	-10.2	115	0.00
34	Tm	2Butanone	0.050	0.056#	-12.0	133	0.00
35	T	Ethylacetate	0.014	0.014#	0.0	105	0.00
36	T	propionitrile	0.071	0.065#	8.5	110	0.00
37	Tm	Bromochlorma	0.326	0.324	0.6	112	0.00
38	T	methacrylonitrile	0.191	0.182	4.7	111	0.00
39	Tm	Tetrahydofur	0.171	0.162	5.3	116	0.00
40	CTm	Chloroform	1.233	1.301	-5.5	112	0.00
41	Tm	111trichlota	0.908	1.017	-12.0	110	0.00
42	T	Cyclohexane	1.019	1.238	-21.5#	117	0.00
43	S	SURRDibrflma	0.441	0.439	0.5	106	0.00
44	Tm	Carbtetraclo	0.710	0.814	-14.6	116	0.00
45	Tm	11dicloprope	0.252	0.285	-13.1	118	0.00
46	S	SURR12DCAd4	0.085	0.082#	3.5	104	0.00
47	Tm	Benzene	2.326	2.467	-6.1	114	0.00
48	Tm	12dichlorota	0.886	0.907	-2.4	111	0.00
49	T	TAME	1.604	1.547	3.6	113	0.00
50	Tm	Trichloroete	0.592	0.648	-9.5	117	0.00
51	T	methylcyclohexane	0.818	1.011	-23.6#	122	0.00
52	CTm	12dicloropra	0.699	0.747	-6.9	116	0.00
53	T	23Dicl1propene	0.962	1.029	-7.0	115	0.00
54	Tm	Dibromometha	0.448	0.451	-0.7	112	0.00
55	T	methylmethacrylate	0.392	0.323	17.6	113	0.00
56	T	14dioxane	0.004	0.004#	0.0	113	0.00
57	Tm	Bromodiclrma	0.869	0.902	-3.8	115	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : M:\DATA\AUG1913\ICV1.D Vial: 15
Acq On : 19 Aug 2013 16:42 Operator: RLD-BMS
Sample : INITIAL CALIB. VERIF. Inst : VMS1
Misc : 0.010/0.1 mg/kg, 10.0 mL Purged + ISTD/S Multiplr: 1.00
MS Integration Params: VOC.P

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
58	Tm	c13Dicloproe	0.942	0.993	-5.4	119	0.00
59	Tm	4Meth2Pentan	0.596	0.554	7.0	117	0.00
60	S	SURRd8Tolule	1.179	1.154	2.1	101	0.00
61	CTm	Toluene	1.389	1.479	-6.5	112	0.00
62	Tm	t13Dicloprop	0.730	0.790	-8.2	119	0.00
63	T	ethylmethacrylate	0.710	0.658	7.3	113	0.00
64	Tm	112Triclotha	0.423	0.404	4.5	115	0.00
65	Tm	Tetrachlorte	0.509	0.596	-17.1	119	0.00
66	Tm	13Diclorpropa	0.880	0.852	3.2	115	0.00
67	I	d5-CHLOROBENZENE**ISTD**	1.000	1.000	0.0	103	0.00
68	T	2Hexanone	0.865	0.814	5.9	117	0.00
69	Tm	Clorodibrmta	0.790	0.774	2.0	113	0.00
70	Tm	12Dibrometha	0.724	0.705	2.6	120	0.00
71	PTm	Chlorobenzen	2.051	2.275	-10.9	115	0.00
72	T	1Clhexane	1.147	1.321	-15.2	115	0.00
73	Tm	1112Tetclota	0.777	0.761	2.1	114	0.00
74	CTm	Ethylbenzene	3.614	4.116	-13.9	117	0.00
75	Tm	m p-Xylene	1.251	1.424	-13.8	116	0.00
76	Tm	o-Xylene	1.280	1.384	-8.1	118	0.00
77	Tm	Styrene	2.261	2.439	-7.9	118	0.00
78	PTm	Bromoform	0.460	0.458	0.4	110	0.01
79	Tm	Isopropylben	3.250	3.588	-10.4	115	0.00
80	I	d4-1,4-DICHLOROBENZENE**IST	1.000	1.000	0.0	102	0.00
81	T	cyclohexanone	0.053	0.055#	-3.8	117	0.00
82	S	SURR4BrFBenz	1.303	1.376	-5.6	104	0.00
83	Tm	Bromobenzene	1.758	1.988	-13.1	114	0.00
84	PTm	1122Tetrclta	1.979	1.957	1.1	116	0.00
85	Tm	123Triclproa	1.821	1.942	-6.6	121	0.00
86	Tm	n-Propylbenz	8.382	9.944	-18.6	114	0.00
87	Tm	2chlorotolue	4.726	5.548	-17.4	119	0.00
88	Tm	4chlorotolue	5.307	4.318	18.6	80	0.00
89	Tm	135Trimebenz	5.188	5.714	-10.1	108	0.00
90	Tm	tbutylbenzen	4.375	5.096	-16.5	116	0.00
91	Tm	124Trimetben	5.201	6.167	-18.6	122	0.00
92	Tm	sbutylbenzen	7.169	8.549	-19.2	117	0.00
93	Tm	13Diclorbenz	3.128	3.510	-12.2	119	0.00
94	Tm	pIsopropylto	5.458	6.135	-12.4	116	0.00
95	Tm	14dichlorobe	3.113	3.521	-13.1	119	0.00
96	Tm	12dichlorobe	2.930	3.176	-8.4	114	0.00
97	Tm	nButylbenzen	5.564	6.481	-16.5	119	0.00
98	Tm	12dibromo3cl	0.297	0.310	-4.4	134	0.00
99	T	135Trichlorobenzene	2.094	2.343	-11.9	118	0.00
100	Tm	124Trichlobe	1.742	2.060	-18.3	133	0.00
101	Tm	Hexachlorobu	1.029	1.260	-22.4#	121	0.00
102	Tm	Naphthalene	3.235	3.378	-4.4	121	0.00
103	Tm	123Trichlben	1.616	1.754	-8.5	121	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : M:\DATA\AUG1913\ICV1.D Vial: 15
Acq On : 19 Aug 2013 16:42 Operator: RLD-BMS
Sample : INITIAL CALIB. VERIF. Inst : VMS1
Misc : 0.010/0.1 mg/kg, 10.0 mL Purged + ISTD/S Multiplr: 1.00
MS Integration Params: VOC.P

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	FLUOROBENZENE**ISTD**	0.020	0.020	0.0	107	0.00
2	Tm	Dichlorodi	0.010	0.011	-10.0	118	0.00
3	PTm	Chloromethan	0.010	0.011	-10.0	118	0.00
4	CTm	VinylChlorid	0.010	0.012	-20.0	113	0.00
5	Tm	Bromomethane	0.010	0.009	10.0	105	0.00
6	Tm	Chloroethane	0.010	0.011	-10.0	109	0.00
7	T	dichloroflmethane	0.010	0.011	-10.0	114	0.00
8	Tm	Trichlorofma	0.010	0.009	10.0	91	0.01
9	T	Ethylether	0.010	0.010	0.0	129	0.00
10	T	dichlorotfluoroethan	0.010	0.011	-10.0	114	0.00
11	T	propyleneoxide	0.100	0.101	-1.0	115	0.00
12	T	Acrolein	0.050	0.048	4.0	116	0.00
13	CTm	11dichlorthe	0.010	0.011	-10.0	119	0.01
14	T	Trichlorotfluoroeth	0.020	0.022	-10.0	119	0.00
15	Tm	Acetone	0.100	0.105	-5.0	127	0.00
16	T	Iodomethane	0.020	0.021	-5.0	126	0.01
17	Tm	Carbon Dislf	0.020	0.023	-15.0	118	0.00
18	T	allylchloride	0.040	0.045	-12.5	114	0.00
19	T	Methylacetate	0.010	0.010	0.0	123	0.00
20	T	Acetonitrile	0.100	0.109	-9.0	112	0.00
21	Tm	Methylchlorid	0.010	0.013	-30.0#	109	0.00
22	T	tbutylalcohol	0.500	0.462	7.6	118	0.00
23	Tm	t12dichlorte	0.010	0.011	-10.0	118	0.00
24	Tm	MtBE	0.010	0.009	10.0	114	0.00
25	T	Acrylonitrile	0.050	0.050	0.0	112	0.00
26	T	Hexane	0.020	0.023	-15.0	118	0.01
27	PTm	11dichlorota	0.010	0.011	-10.0	117	0.00
28	T	Vinylacetate	0.100	0.082	18.0	119	0.00
29	T	chloroprene	0.020	0.023	-15.0	117	0.00
30	Tm	Diisopether	0.010	0.010	0.0	112	0.00
31	T	ETBE	0.010	0.010	0.0	114	0.00
32	Tm	22dichloropr	0.010	0.012	-20.0	118	0.00
33	Tm	c12dichlorte	0.010	0.011	-10.0	115	0.00
34	Tm	2Butanone	0.100	0.112	-12.0	133	0.00
35	T	Ethylacetate	0.050	0.050	0.0	105	0.00
36	T	propionitrile	0.100	0.093	7.0	110	0.00
37	Tm	Bromochlorma	0.010	0.010	0.0	112	0.00
38	T	methacrylonitrile	0.020	0.019	5.0	111	0.00
39	Tm	Tetrahydofur	0.100	0.095	5.0	116	0.00
40	CTm	Chloroform	0.010	0.011	-10.0	112	0.00
41	Tm	111trichlota	0.010	0.011	-10.0	110	0.00
42	T	Cyclohexane	0.010	0.011	-10.0	117	0.00
43	S	SURRDibrflma	0.016	0.016	0.0	106	0.00
44	Tm	Carbtetraclo	0.010	0.011	-10.0	116	0.00
45	Tm	11dicloprope	0.010	0.011	-10.0	118	0.00
46	S	SURR12DCAd4	0.016	0.015	6.3	104	0.00
47	Tm	Benzene	0.010	0.011	-10.0	114	0.00
48	Tm	12dichlorota	0.010	0.010	0.0	111	0.00
49	T	TAME	0.010	0.010	0.0	113	0.00
50	Tm	Trichloroete	0.010	0.011	-10.0	117	0.00
51	T	methylcyclohexane	0.010	0.011	-10.0	122	0.00
52	CTm	12dicloropra	0.010	0.011	-10.0	116	0.00
53	T	23Dicl1propene	0.010	0.011	-10.0	115	0.00
54	Tm	Dibromometha	0.010	0.010	0.0	112	0.00
55	T	methylmethacrylate	0.010	0.012	-20.0	113	0.00
56	T	14dioxane	0.500	0.485	3.0	113	0.00
57	Tm	Bromodiclrma	0.010	0.010	0.0	115	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : M:\DATA\AUG1913\ICV1.D Vial: 15
Acq On : 19 Aug 2013 16:42 Operator: RLD-BMS
Sample : INITIAL CALIB. VERIF. Inst : VMS1
Misc : 0.010/0.1 mg/kg, 10.0 mL Purged + ISTD/S Multiplr: 1.00
MS Integration Params: VOC.P

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
58	Tm	c13Dicloproe	0.010	0.011	-10.0	119	0.00
59	Tm	4Meth2Pentan	0.100	0.093	7.0	117	0.00
60	S	SURRd8Tolule	0.016	0.016	0.0	101	0.00
61	CTm	Toluene	0.010	0.011	-10.0	112	0.00
62	Tm	t13Dicloprop	0.010	0.011	-10.0	119	0.00
63	T	ethylmethacrylate	0.020	0.019	5.0	113	0.00
64	Tm	112Triclotha	0.010	0.010	0.0	115	0.00
65	Tm	Tetrachlorte	0.010	0.012	-20.0	119	0.00
66	Tm	13Diclorpropa	0.010	0.010	0.0	115	0.00
67	I	d5-CHLOROBENZENE**ISTD**	0.020	0.020	0.0	103	0.00
68	T	2Hexanone	0.100	0.094	6.0	117	0.00
69	Tm	Clorodibrmta	0.010	0.010	0.0	113	0.00
70	Tm	12Dibrometha	0.010	0.010	0.0	120	0.00
71	PTm	Chlorobenzen	0.010	0.011	-10.0	115	0.00
72	T	1Clhexane	0.010	0.012	-20.0	115	0.00
73	Tm	1112Tetclota	0.010	0.010	0.0	114	0.00
74	CTm	Ethylbenzene	0.010	0.011	-10.0	117	0.00
75	Tm	m p-Xylene	0.020	0.023	-15.0	116	0.00
76	Tm	o-Xylene	0.010	0.011	-10.0	118	0.00
77	Tm	Styrene	0.010	0.011	-10.0	118	0.00
78	PTm	Bromoform	0.010	0.010	0.0	110	0.01
79	Tm	Isopropylben	0.010	0.011	-10.0	115	0.00
80	I	d4-1,4-DICHLOROBENZENE**IST	0.020	0.020	0.0	102	0.00
81	T	cyclohexanone	0.200	0.209	-4.5	117	0.00
82	S	SURR4BrFBenz	0.016	0.017	-6.3	104	0.00
83	Tm	Bromobenzene	0.010	0.011	-10.0	114	0.00
84	PTm	1122Tetrclta	0.010	0.010	0.0	116	0.00
85	Tm	123Triclproa	0.010	0.011	-10.0	121	0.00
86	Tm	n-Propylbenz	0.010	0.012	-20.0	114	0.00
87	Tm	2chlorotolue	0.010	0.012	-20.0	119	0.00
88	Tm	4chlorotolue	0.010	0.008	20.0	80	0.00
89	Tm	135Trimebenz	0.010	0.011	-10.0	108	0.00
90	Tm	tbutylbenzen	0.010	0.012	-20.0	116	0.00
91	Tm	124Trimetben	0.010	0.012	-20.0	122	0.00
92	Tm	sbutylbenzen	0.010	0.012	-20.0	117	0.00
93	Tm	13Diclorbenz	0.010	0.011	-10.0	119	0.00
94	Tm	pIsopropylto	0.010	0.011	-10.0	116	0.00
95	Tm	14dichlorobe	0.010	0.011	-10.0	119	0.00
96	Tm	12dichlorobe	0.010	0.011	-10.0	114	0.00
97	Tm	nButylbenzen	0.010	0.012	-20.0	119	0.00
98	Tm	12dibromo3cl	0.010	0.010	0.0	134	0.00
99	T	135Trichlorobenzene	0.010	0.011	-10.0	118	0.00
100	Tm	124Trichlobe	0.010	0.012	-20.0	133	0.00
101	Tm	Hexachlorobu	0.010	0.009	10.0	121	0.00
102	Tm	Naphthalene	0.010	0.010	0.0	121	0.00
103	Tm	123Trichlben	0.010	0.011	-10.0	121	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\ICV1.D Vial: 15
Acq On : 19 Aug 2013 16:42 Operator: RLD-BMS
Sample : INITIAL CALIB. VERIF. Inst : VMS1
Misc : 0.010/0.1 mg/kg, 10.0 mL Purged + ISTD/S Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 7:50 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 07:50:32 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	514839	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.78	117	352278	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	158102	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	180653	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
46) SURR12DCAd4	7.50	102	33661	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
60) SURRd8Tolule	9.87	98	475490	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.42	95	174038	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 106 %			
Target Compounds						Qvalue
2) Dichlorodi	1.90	85	260377	0.0114	mg/kg	99
3) Chloromethan	2.16	50	319535	0.0114	mg/kg	99
4) VinylChlorid	2.32	62	309549	0.0115	mg/kg	99
5) Bromomethane	2.82	94	188971	0.0092	mg/kg	96
6) Chloroethane	2.98	64	180026	0.0106	mg/kg	90
7) dichloroflmethane	3.32	67	468318	0.0112	mg/kg	99
8) Trichlorofma	3.35	101	241300	0.0094	mg/kg	98
9) Ethylether	3.81	59	143191	0.0104	mg/kg	89
10) dichlorotfluoroethan	3.32	67	468318	0.0112	mg/kg	100
11) propyleneoxide	3.91	58	323059	0.1005	mg/kg	97
12) Acrolein	4.03	56	135131	0.0479	mg/kg	98
13) 11dichlorthe	4.11	96	168988	0.0113	mg/kg	97
14) Trichlorotfluoroeth	4.10	101	358801	0.0220	mg/kg	98
15) Acetone	4.26	43	516878	0.1045	mg/kg	100
16) Iodomethane	4.33	142	367632	0.0212	mg/kg	100
17) Carbon Dislf	4.39	76	1156021	0.0233	mg/kg	100
18) allylchloride	4.63	76	193644	0.0447	mg/kg	97
19) Methylacetate	4.70	74	85474	0.0103	mg/kg	96
20) Acetonitrile	4.63	41	609617	0.1093	mg/kg	98
21) Methylchlorid	4.83	84	303946	0.0130	mg/kg	98
22) tbutylalcohol	5.05	59	621936	0.4620	mg/kg	99
23) t12dichlorte	5.16	96	187334	0.0113	mg/kg	99
24) MtBE	5.15	73	359659	0.0094	mg/kg#	99
25) Acrylonitrile	5.20	53	239686	0.0499	mg/kg	97
26) Hexane	5.48	57	454727	0.0232	mg/kg	99
27) 11dichlorota	5.72	63	383642	0.0111	mg/kg	97
28) Vinylacetate	5.80	43	2363934	0.0822	mg/kg	99
29) chloroprene	5.82	53	597588	0.0228	mg/kg	99
30) Diisopether	5.77	45	689868	0.0100	mg/kg	97
31) ETBE	6.24	59	511089	0.0099	mg/kg	99
32) 22dichloropr	6.44	77	282206	0.0117	mg/kg	99
33) c12dichlorte	6.48	96	208041	0.0110	mg/kg	99
34) 2Butanone	6.51	72	143672	0.1123	mg/kg	97
35) Ethylacetate	6.57	88	18477	0.0504	mg/kg#	93
36) propionitrile	6.62	54	168444	0.0927	mg/kg	99
37) Bromochlorma	6.79	128	83487	0.0099	mg/kg	97
38) methacrylonitrile	6.79	67	93899	0.0191	mg/kg	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\ICV1.D Vial: 15
Acq On : 19 Aug 2013 16:42 Operator: RLD-BMS
Sample : INITIAL CALIB. VERIF. Inst : VMS1
Misc : 0.010/0.1 mg/kg, 10.0 mL Purged + ISTD/S Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 7:50 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 07:50:32 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
39) Tetrahydofur	6.83	42	417663	0.0950	mg/kg	98
40) Chloroform	6.88	83	335001	0.0106	mg/kg	100
41) 111trichlota	7.06	97	261809	0.0112	mg/kg	98
42) Cyclohexane	7.10	56	318711	0.0108	mg/kg	99
44) Carbtetraclo	7.26	119	209657	0.0115	mg/kg	98
45) 11dicloprope	7.27	110	73287	0.0113	mg/kg	98
47) Benzene	7.53	78	635031	0.0106	mg/kg	99
48) 12dichlorota	7.59	62	233357	0.0102	mg/kg	97
49) TAME	7.64	73	398158	0.0096	mg/kg	98
50) Trichloroete	8.34	95	166863	0.0110	mg/kg	99
51) methylcyclohexane	8.53	83	260197	0.0109	mg/kg	98
52) 12dicloropra	8.63	63	192294	0.0107	mg/kg	94
53) 23Dicl1propene	8.69	75	264906	0.0107	mg/kg	98
54) Dibromometha	8.81	93	115972	0.0101	mg/kg	98
55) methylmethacrylate	8.76	69	83111	0.0118	mg/kg	98
56) 14dioxane	8.82	88	56194	0.4855	mg/kg	96
57) Bromodiclrma	9.00	83	232096	0.0104	mg/kg	99
58) c13Dicloproe	9.55	75	255496	0.0105	mg/kg	97
59) 4Meth2Pentan	9.73	43	1426883	0.0930	mg/kg	99
61) Toluene	9.94	92	380609	0.0106	mg/kg	97
62) t13Dicloprop	10.28	75	203250	0.0108	mg/kg	99
63) ethylmethacrylate	10.35	69	338707	0.0185	mg/kg	99
64) 112Triclotha	10.52	83	104112	0.0096	mg/kg	98
65) Tetrachlorte	10.65	166	153359	0.0117	mg/kg	98
66) 13Diclorpropa	10.73	76	219321	0.0097	mg/kg	99
68) 2Hexanone	9.73	43	1434572	0.0942	mg/kg	99
69) Clorodibrmta	11.05	129	136382	0.0098	mg/kg	94
70) 12Dibrometha	11.19	107	124104	0.0097	mg/kg	98
71) Chlorobenzen	11.82	112	400796	0.0111	mg/kg	100
72) 1Clhexane	11.75	91	232631	0.0115	mg/kg	97
73) 1112Tetclota	11.94	131	134107	0.0098	mg/kg	100
74) Ethylbenzene	11.95	91	725066	0.0114	mg/kg	98
75) m p-Xylene	12.11	106	501564	0.0228	mg/kg	100
76) o-Xylene	12.66	106	243781	0.0108	mg/kg	99
77) Styrene	12.69	104	429623	0.0108	mg/kg	99
78) Bromoform	13.00	173	80675	0.0100	mg/kg	98
79) Isopropylben	13.16	105	631915	0.0110	mg/kg	100
81) cyclohexanone	13.36	55	87194	0.2090	mg/kg	89
83) Bromobenzene	13.62	156	157149	0.0113	mg/kg	99
84) 1122Tetrclta	13.65	83	154664	0.0099	mg/kg	99
85) 123Triclproa	13.71	75	153478	0.0107	mg/kg	96
86) n-Propylbenz	13.74	91	786098	0.0119	mg/kg	99
87) 2chlorotolue	13.89	91	438550	0.0117	mg/kg	98
88) 4chlorotolue	14.04	91	341316	0.0081	mg/kg	78
89) 135Trimebenz	13.99	105	451735	0.0110	mg/kg	98
90) tbutylbenzen	14.45	119	402816	0.0116	mg/kg	98
91) 124Trimetben	14.53	105	487525	0.0119	mg/kg	99
92) sbutylbenzen	14.76	105	675806	0.0119	mg/kg	99
93) 13Diclorbenz	14.96	146	277433	0.0112	mg/kg	99
94) pIsopropylto	14.97	119	485015	0.0112	mg/kg	98
95) 14dichlorobe	15.09	146	278346	0.0113	mg/kg	99
96) 12dichlorobe	15.64	146	251100	0.0108	mg/kg	97
97) nButylbenzen	15.57	91	512312	0.0116	mg/kg	99
98) 12dibromo3cl	16.77	157	24525	0.0105	mg/kg	91
99) 135Trichlorobenzene	17.01	180	185200	0.0112	mg/kg	97
100) 124Trichlobe	17.83	180	162873	0.0118	mg/kg	97
101) Hexachlorobu	18.02	225	99629	0.0094	mg/kg	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\ICV1.D Vial: 15
Acq On : 19 Aug 2013 16:42 Operator: RLD-BMS
Sample : INITIAL CALIB. VERIF. Inst : VMS1
Misc : 0.010/0.1 mg/kg, 10.0 mL Purged + ISTD/S Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 7:50 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 07:50:32 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

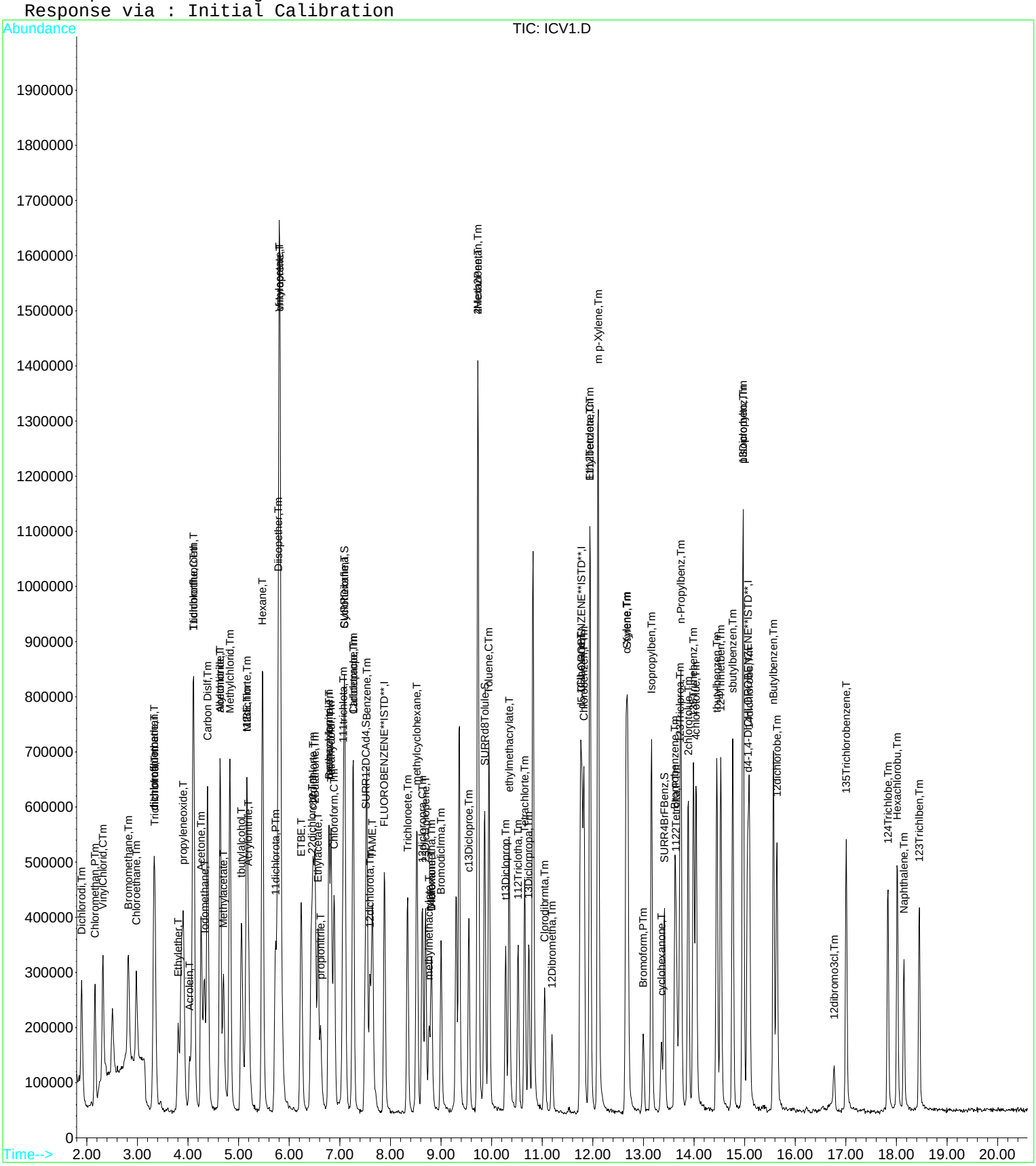
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	267009	0.0104 mg/kg	98
103) 123Trichlben	18.45	180	138627	0.0109 mg/kg	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG1913\ICV1.D Vial: 15
Acq On : 19 Aug 2013 16:42 Operator: RLD-BMS
Sample : INITIAL CALIB. VERIF. Inst : VMS1
Misc : 0.010/0.1 mg/kg, 10.0 mL Purged + ISTD/S Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 7:50 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



Evaluate Continuing Calibration Report

Data File : M:\DATA\AUG1913\ICV2.D Vial: 16
Acq On : 19 Aug 2013 17:11 Operator: RLD-BMS
Sample : INITIAL CALIB. VERIF. Inst : VMS1
Misc : 0.030/0.3 mg/kg, 10.0 mL Purged + ISTD/S Multiplr: 1.00
MS Integration Params: VOC.P

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	FLUOROBENZENE**ISTD**	0.020	0.020	0.0	99	0.00
2	Tm	Dichlorodi	0.030	0.031	-3.3	106	0.00
3	PTm	Chloromethan	0.030	0.031	-3.3	109	0.00
4	CTm	VinylChlorid	0.030	0.033	-10.0	106	0.00
5	Tm	Bromomethane	0.030	0.030	0.0	107	0.00
6	Tm	Chloroethane	0.030	0.036	-20.0	118	0.00
7	T	dichloroflmethane	0.030	0.032	-6.7	108	0.00
8	Tm	Trichlorofma	0.030	0.034	-13.3	107	0.00
9	T	Ethylether	0.030	0.029	3.3	102	0.00
10	T	dichlorotfluoroethan	0.030	0.032	-6.7	108	0.00
11	T	propyleneoxide	0.300	0.325	-8.3	109	0.00
12	T	Acrolein	0.150	0.157	-4.7	102	0.00
13	CTm	11dichlorthe	0.030	0.034	-13.3	109	0.00
14	T	Trichlorotfluoroeth	0.060	0.065	-8.3	100	0.00
15	Tm	Acetone	0.300	0.400	-33.3#	153	0.00
16	T	Iodomethane	0.060	0.068	-13.3	111	0.00
17	Tm	Carbon Dislf	0.060	0.068	-13.3	109	0.00
18	T	allylchloride	0.120	0.133	-10.8	106	0.00
19	T	Methylacetate	0.030	0.033	-10.0	103	0.00
20	T	Acetonitrile	0.300	0.318	-6.0	106	0.00
21	Tm	Methylchlorid	0.030	0.032	-6.7	106	0.00
22	T	tbutylalcohol	1.500	1.615	-7.7	104	0.00
23	Tm	t12dichlorte	0.030	0.033	-10.0	108	0.00
24	Tm	MtBE	0.030	0.031	-3.3	100	0.00
25	T	Acrylonitrile	0.150	0.167	-11.3	107	-0.01
26	T	Hexane	0.060	0.081	-35.0#	117	0.01
27	PTm	11dichlorota	0.030	0.032	-6.7	106	0.00
28	T	Vinylacetate	0.300	0.325	-8.3	103	0.00
29	T	chloroprene	0.060	0.072	-20.0	106	0.00
30	Tm	Diisopether	0.030	0.031	-3.3	100	0.00
31	T	ETBE	0.030	0.030	0.0	101	0.00
32	Tm	22dichloropr	0.030	0.035	-16.7	113	0.00
33	Tm	c12dichlorte	0.030	0.032	-6.7	106	0.00
34	Tm	2Butanone	0.300	0.378	-26.0#	118	0.00
35	T	Ethylacetate	0.150	0.173	-15.3	107	0.00
36	T	propionitrile	0.300	0.329	-9.7	106	0.00
37	Tm	Bromochlorma	0.030	0.030	0.0	103	0.00
38	T	methacrylonitrile	0.060	0.068	-13.3	110	0.00
39	Tm	Tetrahydofur	0.300	0.326	-8.7	107	0.00
40	CTm	Chloroform	0.030	0.030	0.0	102	0.00
41	Tm	111trichlota	0.030	0.034	-13.3	106	0.00
42	T	Cyclohexane	0.030	0.033	-10.0	106	0.00
43	S	SURRDibrflma	0.016	0.016	0.0	97	0.00
44	Tm	Carbtetraclo	0.030	0.035	-16.7	105	0.00
45	Tm	11dicloprope	0.030	0.036	-20.0	102	0.00
46	S	SURR12DCAd4	0.016	0.016	0.0	101	0.00
47	Tm	Benzene	0.030	0.033	-10.0	104	0.00
48	Tm	12dichlorota	0.030	0.031	-3.3	103	0.00
49	T	TAME	0.030	0.030	0.0	99	0.00
50	Tm	Trichloroete	0.030	0.033	-10.0	103	0.00
51	T	methylcyclohexane	0.030	0.032	-6.7	99	0.00
52	CTm	12dicloropra	0.030	0.033	-10.0	103	0.00
53	T	23Dicl1propene	0.030	0.033	-10.0	103	0.00
54	Tm	Dibromometha	0.030	0.030	0.0	101	0.00
55	T	methylmethacrylate	0.030	0.032	-6.7	107	0.00
56	T	14dioxane	1.500	1.670	-11.3	103	0.00
57	Tm	Bromodiclrma	0.030	0.031	-3.3	100	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : M:\DATA\AUG1913\ICV2.D Vial: 16
Acq On : 19 Aug 2013 17:11 Operator: RLD-BMS
Sample : INITIAL CALIB. VERIF. Inst : VMS1
Misc : 0.030/0.3 mg/kg, 10.0 mL Purged + ISTD/S Multiplr: 1.00
MS Integration Params: VOC.P

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
58	Tm	c13Dicloproe	0.030	0.033	-10.0	101	0.00
59	Tm	4Meth2Pentan	0.300	0.308	-2.7	106	0.00
60	S	SURRd8Tolule	0.016	0.015	6.3	99	0.00
61	CTm	Toluene	0.030	0.032	-6.7	104	0.00
62	Tm	t13Dicloprop	0.030	0.036	-20.0	103	0.00
63	T	ethylmethacrylate	0.060	0.059	1.7	105	0.00
64	Tm	112Triclotha	0.030	0.030	0.0	101	0.00
65	Tm	Tetrachlorte	0.030	0.034	-13.3	102	0.00
66	Tm	13Diclorpropa	0.030	0.030	0.0	101	0.00
67	I	d5-CHLOROBENZENE**ISTD**	0.020	0.020	0.0	98	0.00
68	T	2Hexanone	0.300	0.320	-6.7	106	0.00
69	Tm	Clorodibrmta	0.030	0.032	-6.7	101	-0.01
70	Tm	12Dibrometha	0.030	0.032	-6.7	101	0.00
71	PTm	Chlorobenzen	0.030	0.033	-10.0	103	-0.01
72	T	1Clhexane	0.030	0.036	-20.0	100	0.00
73	Tm	1112Tetclota	0.030	0.030	0.0	100	0.00
74	CTm	Ethylbenzene	0.030	0.034	-13.3	104	0.00
75	Tm	m p-Xylene	0.060	0.070	-16.7	103	0.00
76	Tm	o-Xylene	0.030	0.032	-6.7	103	0.00
77	Tm	Styrene	0.030	0.032	-6.7	103	0.00
78	PTm	Bromoform	0.030	0.034	-13.3	104	0.00
79	Tm	Isopropylben	0.030	0.034	-13.3	102	0.00
80	I	d4-1,4-DICHLOROBENZENE**IST	0.020	0.020	0.0	95	0.00
81	T	cyclohexanone	0.600	0.630	-5.0	106	0.00
82	S	SURR4BrFBenz	0.016	0.015	6.3	96	0.00
83	Tm	Bromobenzene	0.030	0.030	0.0	98	0.00
84	PTm	1122Tetrclta	0.030	0.030	0.0	104	0.00
85	Tm	123Triclproa	0.030	0.032	-6.7	106	0.01
86	Tm	n-Propylbenz	0.030	0.034	-13.3	103	0.00
87	Tm	2chlorotolue	0.030	0.031	-3.3	100	0.00
88	Tm	4chlorotolue	0.030	0.033	-10.0	103	0.00
89	Tm	135Trimebenz	0.030	0.033	-10.0	102	-0.01
90	Tm	tbutylbenzen	0.030	0.036	-20.0	104	0.00
91	Tm	124Trimetben	0.030	0.035	-16.7	100	0.00
92	Tm	sbutylbenzen	0.030	0.037	-23.3#	100	0.00
93	Tm	13Diclorbenz	0.030	0.034	-13.3	99	0.00
94	Tm	pIsopropylto	0.030	0.036	-20.0	99	0.00
95	Tm	14dichlorobe	0.030	0.033	-10.0	98	0.00
96	Tm	12dichlorobe	0.030	0.035	-16.7	102	0.00
97	Tm	nButylbenzen	0.030	0.040	-33.3#	104	0.00
98	Tm	12dibromo3cl	0.030	0.037	-23.3#	108	0.00
99	T	135Trichlorobenzene	0.030	0.043	-43.3#	115	-0.01
100	Tm	124Trichlobe	0.030	0.039	-30.0#	103	0.00
101	Tm	Hexachlorobu	0.030	0.033	-10.0	97	0.00
102	Tm	Naphthalene	0.030	0.038	-26.7#	106	0.00
103	Tm	123Trichlben	0.030	0.038	-26.7#	102	0.00

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\ICV2.D Vial: 16
Acq On : 19 Aug 2013 17:11 Operator: RLD-BMS
Sample : INITIAL CALIB. VERIF. Inst : VMS1
Misc : 0.030/0.3 mg/kg, 10.0 mL Purged + ISTD/S Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 17:31 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 15:41:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	538057	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	357837	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	180904	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	185582	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
46) SURR12DCAd4	7.50	102	36823	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
60) SURRd8Tolule	9.86	98	491060	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 94 %			
82) SURR4BrFBenz	13.41	95	173503	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 94 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	747489	0.0314	mg/kg	96
3) Chloromethan	2.16	50	915488	0.0314	mg/kg	99
4) VinylChlorid	2.32	62	931960	0.0332	mg/kg	100
5) Bromomethane	2.82	94	654522	0.0304	mg/kg	97
6) Chloroethane	2.98	64	636301	0.0360	mg/kg	97
7) dichloroflmethane	3.33	67	1392459	0.0319	mg/kg	98
8) Trichlorofma	3.35	101	917927	0.0341	mg/kg	99
9) Ethylether	3.80	59	420248	0.0293	mg/kg	95
10) dichlorotfluoroethan	3.33	67	1392459	0.0319	mg/kg	100
11) propyleneoxide	3.91	58	1091055	0.3248	mg/kg	97
12) Acrolein	4.03	56	463147	0.1572	mg/kg	97
13) 11dichlorthe	4.11	96	533573	0.0342	mg/kg	94
14) Trichlorotfluoroeth	4.11	101	1091409	0.0653	mg/kg	100
15) Acetone	4.25	43	2064621	0.3995	mg/kg	100
16) Iodomethane	4.32	142	1301339	0.0680	mg/kg	99
17) Carbon Dislf	4.38	76	3510392	0.0678	mg/kg	100
18) allylchloride	4.64	76	602715	0.1332	mg/kg	96
19) Methylacetate	4.70	74	289382	0.0333	mg/kg	95
20) Acetonitrile	4.64	41	1855392	0.3183	mg/kg	97
21) Methylchlorid	4.83	84	735582	0.0316	mg/kg	97
22) tbutylalcohol	5.05	59	2272544	1.6152	mg/kg	99
23) t12dichlorte	5.17	96	577875	0.0335	mg/kg	99
24) MtBE	5.15	73	1239992	0.0310	mg/kg#	96
25) Acrylonitrile	5.19	53	840082	0.1672	mg/kg	97
26) Hexane	5.47	57	1667418	0.0813	mg/kg	98
27) 11dichlorota	5.73	63	1140170	0.0315	mg/kg	99
28) Vinylacetate	5.80	43	9563536	0.3255	mg/kg	98
29) chloroprene	5.82	53	1976097	0.0720	mg/kg	100
30) Diisopether	5.78	45	2226520	0.0310	mg/kg	98
31) ETBE	6.23	59	1651995	0.0305	mg/kg	99
32) 22dichloropr	6.44	77	877267	0.0349	mg/kg	99
33) c12dichlorte	6.48	96	629266	0.0319	mg/kg	96
34) 2Butanone	6.51	72	504946	0.3778	mg/kg	93
35) Ethylacetate	6.57	88	66498	0.1734	mg/kg#	84
36) propionitrile	6.62	54	624976	0.3292	mg/kg	96
37) Bromochlorma	6.78	128	265241	0.0302	mg/kg	94
38) methacrylonitrile	6.78	67	350077	0.0681	mg/kg	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\ICV2.D Vial: 16
Acq On : 19 Aug 2013 17:11 Operator: RLD-BMS
Sample : INITIAL CALIB. VERIF. Inst : VMS1
Misc : 0.030/0.3 mg/kg, 10.0 mL Purged + ISTD/S Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 17:31 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 15:41:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
39) Tetrahydofur	6.82	42	1497939	0.3260	mg/kg	99
40) Chloroform	6.89	83	1011538	0.0305	mg/kg	99
41) 111trichlota	7.06	97	831423	0.0341	mg/kg	98
42) Cyclohexane	7.10	56	1014051	0.0330	mg/kg	98
44) Carbtetraclo	7.25	119	659624	0.0345	mg/kg	99
45) 11dicloprope	7.26	110	244089	0.0360	mg/kg	96
47) Benzene	7.53	78	2039923	0.0326	mg/kg	91
48) 12dichlorota	7.59	62	734969	0.0308	mg/kg	98
49) TAME	7.64	73	1297329	0.0301	mg/kg	99
50) Trichloroete	8.34	95	529555	0.0333	mg/kg	99
51) methylcyclohexane	8.52	83	802641	0.0322	mg/kg	99
52) 12dicloropra	8.63	63	619055	0.0329	mg/kg	97
53) 23Dicl1propene	8.69	75	859904	0.0332	mg/kg	98
54) Dibromometha	8.81	93	365460	0.0303	mg/kg	98
55) methylmethacrylate	8.76	69	294236	0.0324	mg/kg	94
56) 14dioxane	8.81	88	201989	1.6698	mg/kg	96
57) Bromodiclrma	9.01	83	729601	0.0312	mg/kg	99
58) c13Dicloproe	9.55	75	846652	0.0334	mg/kg	97
59) 4Meth2Pentan	9.72	43	4939756	0.3081	mg/kg	98
61) Toluene	9.95	92	1180200	0.0316	mg/kg	97
62) t13Dicloprop	10.27	75	702985	0.0358	mg/kg	99
63) ethylmethacrylate	10.34	69	1136015	0.0595	mg/kg	100
64) 112Triclotha	10.52	83	343898	0.0302	mg/kg	98
65) Tetrachlorte	10.65	166	464096	0.0339	mg/kg	97
66) 13Diclorpropa	10.74	76	721853	0.0305	mg/kg	100
68) 2Hexanone	9.72	43	4946055	0.3197	mg/kg	98
69) Clorodibrmta	11.04	129	457793	0.0324	mg/kg	96
70) 12Dibrometha	11.19	107	412417	0.0319	mg/kg	97
71) Chlorobenzen	11.82	112	1198281	0.0326	mg/kg	99
72) 1Clhexane	11.76	91	746731	0.0364	mg/kg	98
73) 1112Tetclota	11.94	131	412678	0.0297	mg/kg	100
74) Ethylbenzene	11.95	91	2223583	0.0344	mg/kg	99
75) m p-Xylene	12.10	106	1556640	0.0696	mg/kg	99
76) o-Xylene	12.66	106	740775	0.0324	mg/kg	99
77) Styrene	12.69	104	1314186	0.0325	mg/kg	100
78) Bromoform	13.00	173	283652	0.0345	mg/kg	97
79) Isopropylben	13.16	105	1984600	0.0341	mg/kg	99
81) cyclohexanone	13.35	55	300794	0.6303	mg/kg	91
83) Bromobenzene	13.63	156	473557	0.0298	mg/kg	97
84) 1122Tetrclta	13.66	83	531116	0.0297	mg/kg	97
85) 123Triclproa	13.72	75	527018	0.0320	mg/kg	99
86) n-Propylbenz	13.74	91	2585016	0.0341	mg/kg	99
87) 2chlorotolue	13.89	91	1323761	0.0310	mg/kg	100
88) 4chlorotolue	14.04	91	1590287	0.0331	mg/kg	100
89) 135Trimebenz	13.98	105	1543375	0.0329	mg/kg	100
90) tbutylbenzen	14.45	119	1409141	0.0356	mg/kg	99
91) 124Trimetben	14.52	105	1652623	0.0351	mg/kg	99
92) sbutylbenzen	14.76	105	2398563	0.0370	mg/kg	100
93) 13Diclorbenz	14.97	146	952172	0.0337	mg/kg	99
94) pIsopropylto	14.98	119	1766444	0.0358	mg/kg	98
95) 14dichlorobe	15.10	146	941365	0.0334	mg/kg	99
96) 12dichlorobe	15.64	146	925386	0.0349	mg/kg	99
97) nButylbenzen	15.57	91	2015576	0.0401	mg/kg	99
98) 12dibromo3cl	16.77	157	99889	0.0372	mg/kg	87
99) 135Trichlorobenzene	17.00	180	822183	0.0434	mg/kg	99
100) 124Trichlobe	17.83	180	613436	0.0389	mg/kg	99
101) Hexachlorobu	18.02	225	372301	0.0329	mg/kg	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG1913\ICV2.D Vial: 16
Acq On : 19 Aug 2013 17:11 Operator: RLD-BMS
Sample : INITIAL CALIB. VERIF. Inst : VMS1
Misc : 0.030/0.3 mg/kg, 10.0 mL Purged + ISTD/S Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 17:31 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 15:41:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

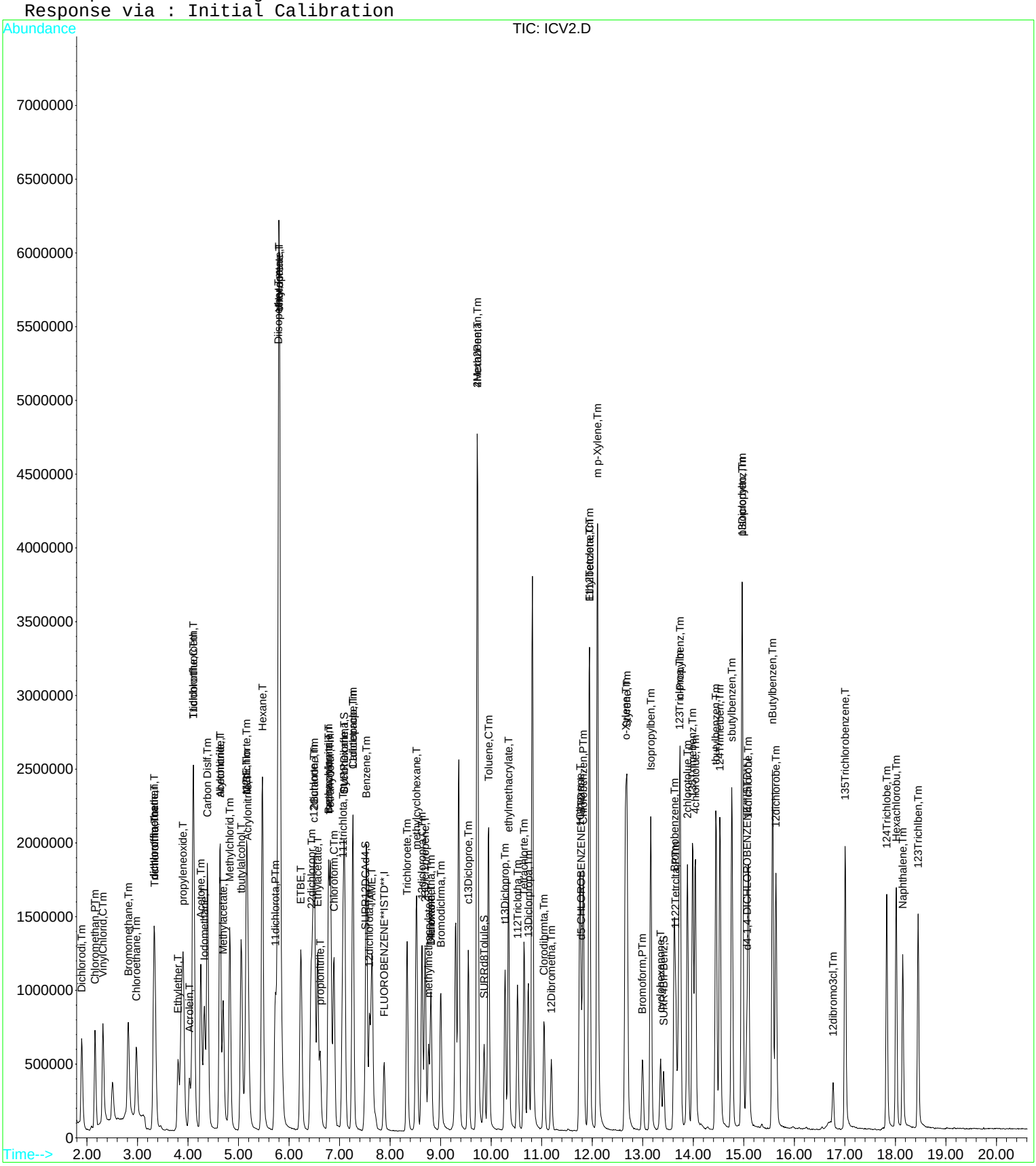
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) Naphthalene	18.15	128	1115228	0.0381	mg/kg	98
103) 123Trichlben	18.45	180	550525	0.0377	mg/kg	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG1913\ICV2.D Vial: 16
Acq On : 19 Aug 2013 17:11 Operator: RLD-BMS
Sample : INITIAL CALIB. VERIF. Inst : VMS1
Misc : 0.030/0.3 mg/kg, 10.0 mL Purged + ISTD/S Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 19 17:31 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG1913\ICB1.D Vial: 19
Acq On : 19 Aug 2013 18:39 Operator: RLD-BMS
Sample : INITIAL CALIB. BLANK Inst : VMS1
Misc : 10.0 mL DI Water Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 22 12:21 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 15:41:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	449928	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	306894	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.07	152	141542	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.10	113	144649	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
46) SURR12DCAd4	7.50	102	29185	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
60) SURRd8Tolule	9.86	98	428889	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.41	95	150321	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 100 %			
Target Compounds						Qvalue
2) Dichlorodi	1.90	85	10333	N.D.		
3) Chloromethan	2.16	50	8978	N.D.		
4) VinylChlorid	2.38	62	3129	N.D.		
5) Bromomethane	2.76	94	3431	N.D.		
6) Chloroethane	2.93	64	4470	N.D.		
7) dichloroflmethane	3.32	67	1133	N.D.		
8) Trichlorofma	3.36	101	2758	N.D.		
9) Ethylether	0.00	59	0	N.D. d		
10) dichlorotfluoroethan	3.32	67	1133	N.D.		
11) propyleneoxide	3.92	58	981	N.D.		
12) Acrolein	4.03	56	1051	N.D.		
13) 11dichlorthe	4.01	96	2274	N.D.		
14) Trichlorotfluoroeth	0.00	101	0	N.D.		
15) Acetone	4.28	43	15540	N.D.		
16) Iodomethane	4.34	142	1654	N.D.		
17) Carbon Dislf	4.39	76	11223	N.D.		
18) allylchloride	4.58	76	770	N.D.		
19) Methylacetate	4.75	74	620	N.D.		
20) Acetonitrile	4.66	41	1110	N.D.		
21) Methylchlorid	4.82	84	145408	0.0070	mg/kg	98
22) tbutylalcohol	5.07	59	2217	N.D.		
23) t12dichlorte	5.14	96	567	N.D.		
24) MtBE	5.16	73	6135	N.D.		
25) Acrylonitrile	5.21	53	764	N.D.		
26) Hexane	5.47	57	27512	N.D.		
27) 11dichlorota	5.74	63	573	N.D.		
28) Vinylacetate	5.77	43	1327	N.D.		
29) chloroprene	5.81	53	590	N.D.		
30) Diisopether	5.81	45	1626	N.D.		
31) ETBE	6.22	59	763	N.D.		
32) 22dichloropr	6.43	77	658	N.D.		
33) c12dichlorte	6.45	96	619	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	6.64	54	527	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	6.77	67	748	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG1913\ICB1.D Vial: 19
Acq On : 19 Aug 2013 18:39 Operator: RLD-BMS
Sample : INITIAL CALIB. BLANK Inst : VMS1
Misc : 10.0 mL DI Water Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 22 12:21 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 15:41:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) Tetrahydofur	6.86	42	7036	N.D.	
40) Chloroform	6.89	83	9113	N.D.	
41) 111trichlota	0.00	97	0	N.D.	
42) Cyclohexane	7.13	56	879	N.D.	
44) Carbtetraclo	7.25	119	886	N.D.	
45) 11dicloprope	0.00	110	0	N.D.	
47) Benzene	7.54	78	1354	N.D.	
48) 12dichlorota	7.61	62	1306	N.D.	
49) TAME	7.63	73	568	N.D.	
50) Trichloroete	8.36	95	1178	N.D.	
51) methylcyclohexane	8.50	83	998	N.D.	
52) 12dicloropra	8.56	63	519	N.D.	
53) 23Dicl1propene	8.66	75	791	N.D.	
54) Dibromometha	8.81	93	883	N.D.	
55) methylmethacrylate	8.74	69	2957	N.D.	
56) 14dioxane	8.90	88	646	N.D.	
57) Bromodiclrma	9.00	83	732	N.D.	
58) c13Dicloproe	9.49	75	615	N.D.	
59) 4Meth2Pentan	9.74	43	3547	N.D.	
61) Toluene	9.95	92	4620	N.D.	
62) t13Dicloprop	10.26	75	747	N.D.	
63) ethylmethacrylate	10.36	69	3158	N.D.	
64) 112Triclotha	10.56	83	518	N.D.	
65) Tetrachlorte	0.00	166	0	N.D.	
66) 13Diclorpropa	10.73	76	508	N.D.	
68) 2Hexanone	9.74	43	3547	N.D.	
69) Clorodibrmta	0.00	129	0	N.D.	
70) 12Dibrometha	0.00	107	0	N.D.	
71) Chlorobenzen	11.84	112	1569	N.D.	
72) 1Clhexane	11.80	91	684	N.D.	
73) 1112Tetclota	11.97	131	1333	N.D.	
74) Ethylbenzene	11.96	91	2270	N.D.	
75) m p-Xylene	12.09	106	1854	N.D.	
76) o-Xylene	12.67	106	927	N.D.	
77) Styrene	12.69	104	2155	N.D.	
78) Bromoform	0.00	173	0	N.D.	
79) Isopropylben	13.11	105	3152	N.D.	
81) cyclohexanone	13.32	55	887	N.D.	
83) Bromobenzene	0.00	156	0	N.D.	
84) 1122Tetrclta	0.00	83	0	N.D.	
85) 123Triclproa	13.71	75	579	N.D.	
86) n-Propylbenz	13.75	91	1659	N.D.	
87) 2chlorotolue	13.89	91	538	N.D.	
88) 4chlorotolue	14.04	91	1053	N.D.	
89) 135Trimebenz	14.01	105	879	N.D.	
90) tbutylbenzen	14.42	119	1757	N.D.	
91) 124Trimetben	14.53	105	1478	N.D.	
92) sbutylbenzen	14.77	105	1258	N.D.	
93) 13Diclorbenz	14.96	146	1512	N.D.	
94) pIsopropylto	15.00	119	830	N.D.	
95) 14dichlorobe	15.10	146	2322	N.D.	
96) 12dichlorobe	15.67	146	917	N.D.	
97) nButylbenzen	15.57	91	2457	N.D.	
98) 12dibromo3cl	0.00	157	0	N.D.	
99) 135Trichlorobenzene	17.00	180	1050	N.D.	
100) 124Trichlobe	17.84	180	1681	N.D.	
101) Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG1913\ICB1.D Vial: 19
Acq On : 19 Aug 2013 18:39 Operator: RLD-BMS
Sample : INITIAL CALIB. BLANK Inst : VMS1
Misc : 10.0 mL DI Water Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 22 12:21 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Mon Aug 19 15:41:16 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

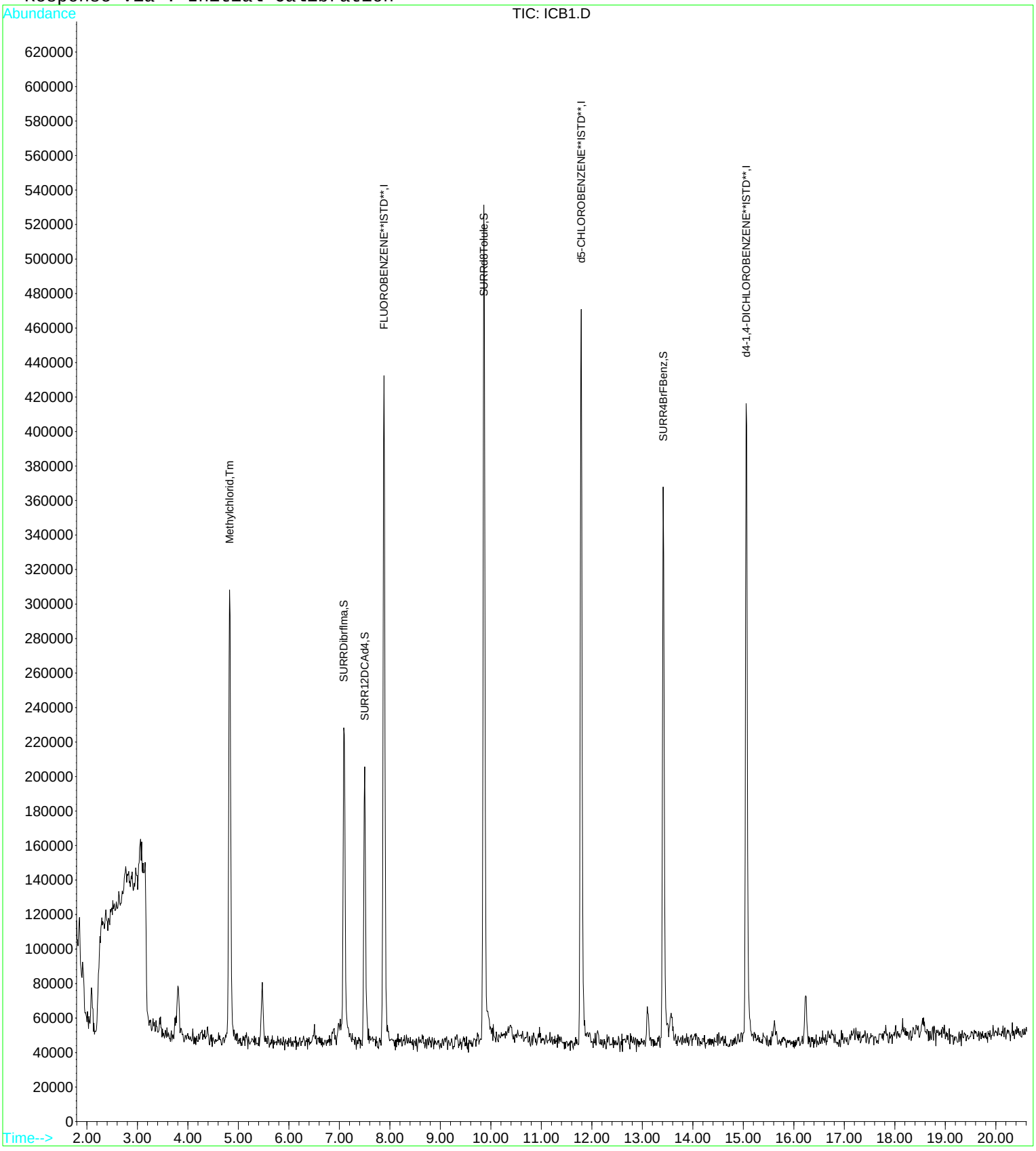
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	8634	N.D.	
103) 123Trichlben	18.46	180	1591	N.D.	

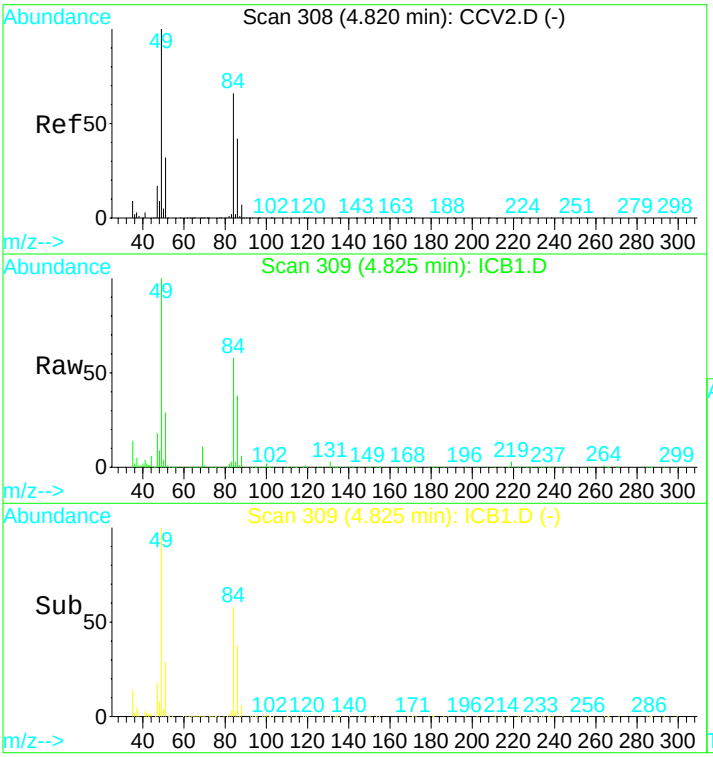
(#) = qualifier out of range (m) = manual integration
ICB1.D LS081913.M Thu Aug 22 12:21:45 2013

Quantitation Report

Data File : M:\DATA\AUG1913\ICB1.D Vial: 19
Acq On : 19 Aug 2013 18:39 Operator: RLD-BMS
Sample : INITIAL CALIB. BLANK Inst : VMS1
Misc : 10.0 mL DI Water Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 22 12:21 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

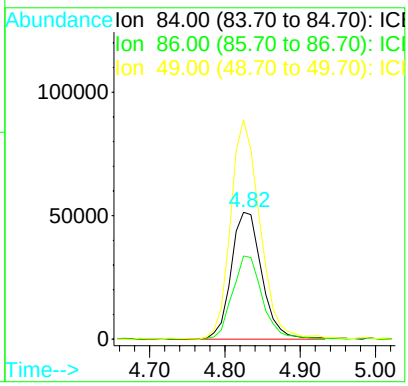




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.82 min Scan# 309
Delta R.T. -0.00 min
Lab File: ICB1.D
Acq: 19 Aug 2013 18:39

Tgt Ion: 84 Resp: 145408

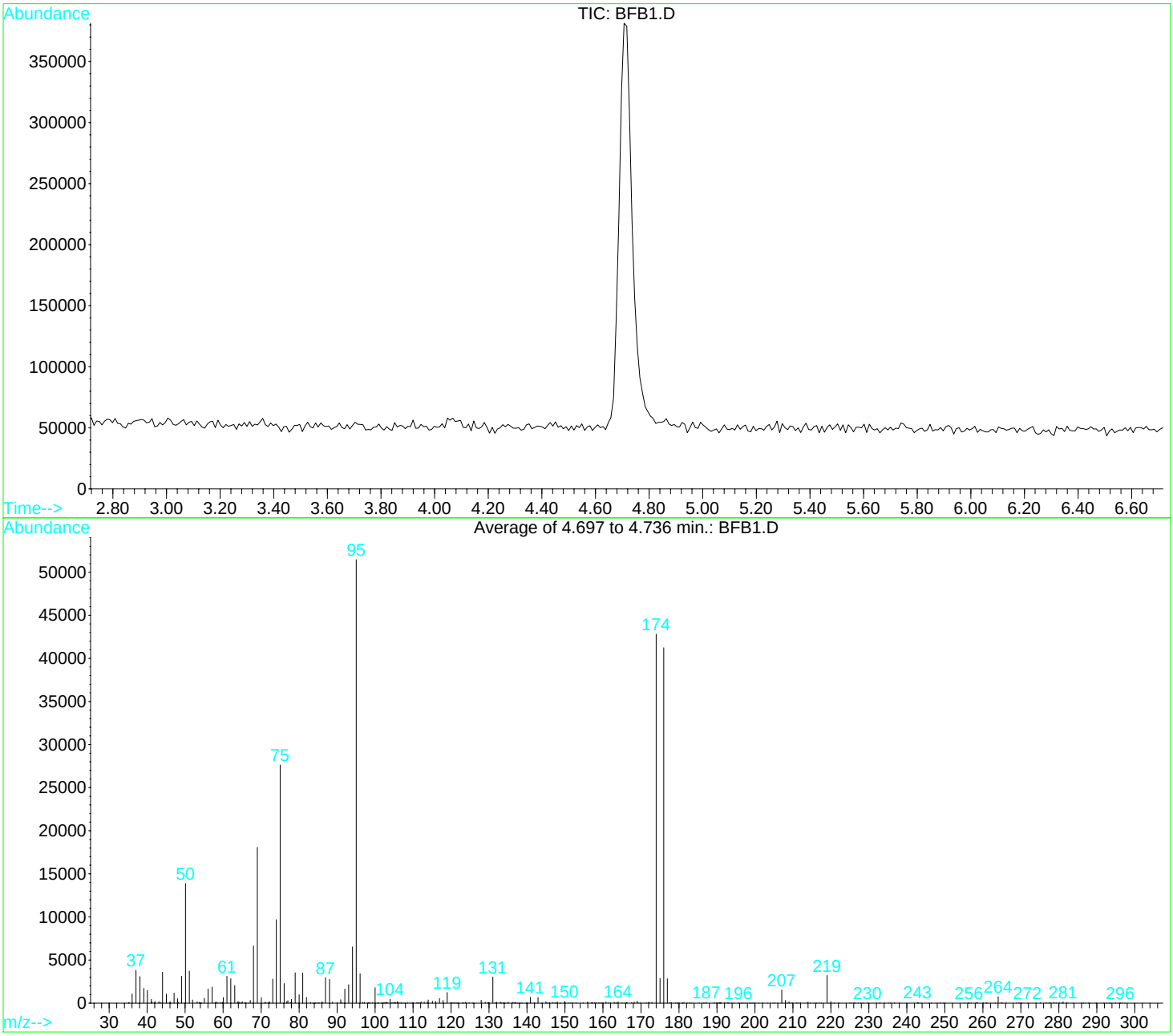
Ion	Ratio	Lower	Upper
84	100		
86	62.2	45.7	85.7
49	165.6	146.2	186.2



VOLATILE ORGANIC ANALYSIS
CONTINUING CALIBRATION
DOCUMENTS

Data File : M:\DATA\AUG2013\BFB1.D
Acq On : 20 Aug 2013 7:48
Sample : 96824,BFB,1
Misc : 50 ng
MS Integration Params: VOC.P
Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260

Vial: 1
Operator: RLD-BMS
Inst : VMS1
Multiplr: 1.00



Spectrum Information: Average of 4.697 to 4.736 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	27.0	13894	PASS
75	95	30	60	53.7	27630	PASS
95	95	100	100	100.0	51458	PASS
96	95	5	9	6.6	3411	PASS
173	174	0.00	2	0.3	113	PASS
174	95	50	100	83.2	42802	PASS
175	174	5	9	6.7	2878	PASS
176	174	95	101	96.3	41224	PASS
177	176	5	9	6.9	2832	PASS

Evaluate Continuing Calibration Report

Data File : M:\DATA\AUG2013\CCV1.D Vial: 3
Acq On : 20 Aug 2013 8:31 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	FLUOROBENZENE**ISTD**	1.000	1.000	0.0	111	0.00
2	Tm	Dichlorodi	0.884	0.976	-10.4	117	0.00
3	PTm	Chloromethan	1.085	1.176	-8.4	116	0.00
4	CTm	VinylChlorid	1.043	1.185	-13.6	115	0.00
5	Tm	Bromomethane	0.801	0.818	-2.1	120	0.00
6	Tm	Chloroethane	0.658	0.731	-11.1	118	0.00
7	T	dichloroflmethane	1.622	1.780	-9.7	115	0.00
8	Tm	Trichlorofma	1.000	1.174	-17.4	117	0.00
9	T	Ethylether	0.532	0.525	1.3	126	0.00
10	T	dichlorotfluoroethan	1.622	1.780	-9.7	115	0.00
11	T	propyleneoxide	0.125	0.125	0.0	118	0.00
12	T	Acrolein	0.110	0.101	8.2	115	0.00
13	CTm	11dichlorthe	0.579	0.666	-15.0	124	0.00
14	T	Trichlorotfluoroeth	0.567	0.671	-18.3	118	0.00
15	Tm	Acetone	0.192	0.212	-10.4	139	0.00
16	T	Iodomethane	0.595	0.641	-7.7	117	0.00
17	Tm	Carbon Dislf	1.924	2.182	-13.4	118	0.00
18	T	allylchloride	0.168	0.189	-12.5	119	0.00
19	T	Methylacetate	0.323	0.305	5.6	117	0.00
20	T	Acetonitrile	0.217	0.229	-5.5	112	0.00
21	Tm	Methylchlorid	1.863	1.073	42.4#	102	0.00
22	T	tbutylalcohol	0.052	0.050#	3.8	127	0.00
23	Tm	t12dichlorte	0.642	0.674	-5.0	113	0.00
24	Tm	MtBE	1.488	1.395	6.2	118	0.00
25	T	Acrylonitrile	0.187	0.187	0.0	116	0.00
26	T	Hexane	0.762	0.999	-31.1#	138	0.01
27	PTm	11dichlorota	1.345	1.423	-5.8	116	0.00
28	T	Vinylacetate	0.893	0.896	-0.3	119	0.00
29	T	chloroprene	1.020	1.137	-11.5	119	0.00
30	Tm	Diisopether	2.669	2.616	2.0	113	0.00
31	T	ETBE	2.015	1.913	5.1	113	0.00
32	Tm	22dichloropr	0.934	1.060	-13.5	118	0.00
33	Tm	c12dichlorte	0.733	0.750	-2.3	110	0.00
34	Tm	2Butanone	0.050	0.054#	-8.0	133	0.01
35	T	Ethylacetate	0.014	0.014#	0.0	103	0.00
36	T	propionitrile	0.071	0.068#	4.2	117	0.00
37	Tm	Bromochlorma	0.326	0.325	0.3	116	0.00
38	T	methacrylonitrile	0.191	0.173	9.4	108	0.00
39	Tm	Tetrahydofur	0.171	0.163	4.7	120	0.00
40	CTm	Chloroform	1.233	1.263	-2.4	112	0.00
41	Tm	111trichlota	0.908	1.010	-11.2	113	0.00
42	T	Cyclohexane	1.019	1.209	-18.6	118	0.00
43	S	SURRDibrflma	0.441	0.458	-3.9	114	0.00
44	Tm	Carbtetraclo	0.710	0.789	-11.1	116	0.00
45	Tm	11dicloprope	0.252	0.287	-13.9	122	0.00
46	S	SURR12DCAd4	0.085	0.084#	1.2	110	0.00
47	Tm	Benzene	2.326	2.411	-3.7	115	0.00
48	Tm	12dichlorota	0.886	0.868	2.0	110	0.00
49	T	TAME	1.604	1.534	4.4	116	0.00
50	Tm	Trichloroete	0.592	0.619	-4.6	115	0.00
51	T	methylcyclohexane	0.818	0.937	-14.5	117	0.00
52	CTm	12dicloropra	0.699	0.729	-4.3	116	0.00
53	T	23Dicl1propene	0.962	1.007	-4.7	116	0.00
54	Tm	Dibromometha	0.448	0.444	0.9	114	0.00
55	T	methylmethacrylate	0.392	0.317	19.1	115	0.00
56	T	14dioxane	0.004	0.004#	0.0	112	0.00
57	Tm	Bromodiclrma	0.869	0.885	-1.8	117	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : M:\DATA\AUG2013\CCV1.D Vial: 3
Acq On : 20 Aug 2013 8:31 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
58	Tm	c13Dicloproe	0.942	0.929	1.4	115	0.00
59	Tm	4Meth2Pentan	0.596	0.553	7.2	120	0.00
60	S	SURRd8Tolule	1.179	1.207	-2.4	109	0.00
61	CTm	Toluene	1.389	1.433	-3.2	112	0.00
62	Tm	t13Dicloprop	0.730	0.747	-2.3	116	0.00
63	T	ethylmethacrylate	0.710	0.656	7.6	116	0.00
64	Tm	112Triclotha	0.423	0.400	5.4	117	0.00
65	Tm	Tetrachlorte	0.509	0.600	-17.9	123	0.00
66	Tm	13Diclorpropa	0.880	0.855	2.8	119	0.00
67	I	d5-CHLOROBENZENE**ISTD**	1.000	1.000	0.0	112	0.00
68	T	2Hexanone	0.865	0.770	11.0	120	0.00
69	Tm	Clorodibrmta	0.790	0.722	8.6	115	0.00
70	Tm	12Dibrometha	0.724	0.656	9.4	121	0.00
71	PTm	Chlorobenzen	2.051	2.109	-2.8	116	0.00
72	T	1Clhexane	1.147	1.265	-10.3	120	0.00
73	Tm	1112Tetclota	0.777	0.717	7.7	116	0.00
74	CTm	Ethylbenzene	3.614	3.783	-4.7	117	0.00
75	Tm	m p-Xylene	1.251	1.335	-6.7	118	0.00
76	Tm	o-Xylene	1.280	1.293	-1.0	119	0.00
77	Tm	Styrene	2.261	2.233	1.2	117	0.00
78	PTm	Bromoform	0.460	0.448	2.6	117	0.00
79	Tm	Isopropylben	3.250	3.337	-2.7	116	0.00
80	I	d4-1,4-DICHLOROBENZENE**IST	1.000	1.000	0.0	128	0.00
81	T	cyclohexanone	0.053	0.045#	15.1	121	0.00
82	S	SURR4BrFBenz	1.303	1.170	10.2	112	0.00
83	Tm	Bromobenzene	1.758	1.602	8.9	116	0.00
84	PTm	1122Tetrclta	1.979	1.588	19.8	118	0.00
85	Tm	123Triclproa	1.821	1.587	12.9	125	0.01
86	Tm	n-Propylbenz	8.382	8.302	1.0	120	0.00
87	Tm	2chlorotolue	4.726	4.814	-1.9	131	0.00
88	Tm	4chlorotolue	5.307	5.698	-7.4	133	0.00
89	Tm	135Trimebenz	5.188	5.498	-6.0	131	0.00
90	Tm	tbutylbenzen	4.375	4.665	-6.6	134	0.00
91	Tm	124Trimetben	5.201	5.423	-4.3	136	0.00
92	Tm	sbutylbenzen	7.169	7.613	-6.2	131	0.00
93	Tm	13Diclorbenz	3.128	3.328	-6.4	143	0.00
94	Tm	pIsopropylto	5.458	5.935	-8.7	142	0.00
95	Tm	14dichlorobe	3.113	3.633	-16.7	155	0.00
96	Tm	12dichlorobe	2.930	3.544	-21.0#	160	0.00
97	Tm	nButylbenzen	5.564	6.642	-19.4	154	0.00
98	Tm	12dibromo3cl	0.297	0.319	-7.4	174	0.00
99	T	135Trichlorobenzene	2.094	2.483	-18.6	158	0.00
100	Tm	124Trichlobe	1.742	1.686	3.2	137	0.00
101	Tm	Hexachlorobu	1.029	1.047	-1.7	127	0.00
102	Tm	Naphthalene	3.235	2.679	17.2	121	0.00
103	Tm	123Trichlben	1.616	1.489	7.9	129	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : M:\DATA\AUG2013\CCV1.D Vial: 3
Acq On : 20 Aug 2013 8:31 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	FLUOROBENZENE**ISTD**	0.020	0.020	0.0	111	0.00
2	Tm	Dichlorodi	0.010	0.011	-10.0	117	0.00
3	PTm	Chloromethan	0.010	0.011	-10.0	116	0.00
4	CTm	VinylChlorid	0.010	0.011	-10.0	115	0.00
5	Tm	Bromomethane	0.010	0.010	0.0	120	0.00
6	Tm	Chloroethane	0.010	0.011	-10.0	118	0.00
7	T	dichloroflmethane	0.010	0.011	-10.0	115	0.00
8	Tm	Trichlorofma	0.010	0.012	-20.0	117	0.00
9	T	Ethylether	0.010	0.010	0.0	126	0.00
10	T	dichlorotfluoroethan	0.010	0.011	-10.0	115	0.00
11	T	propyleneoxide	0.100	0.100	0.0	118	0.00
12	T	Acrolein	0.050	0.046	8.0	115	0.00
13	CTm	11dichlorthe	0.010	0.012	-20.0	124	0.00
14	T	Trichlorotfluoroeth	0.020	0.021	-5.0	118	0.00
15	Tm	Acetone	0.100	0.110	-10.0	139	0.00
16	T	Iodomethane	0.020	0.019	5.0	117	0.00
17	Tm	Carbon Dislf	0.020	0.023	-15.0	118	0.00
18	T	allylchloride	0.040	0.045	-12.5	119	0.00
19	T	Methylacetate	0.010	0.009	10.0	117	0.00
20	T	Acetonitrile	0.100	0.106	-6.0	112	0.00
21	Tm	Methylchlorid	0.010	0.012	-20.0	102	0.00
22	T	tbutylalcohol	0.500	0.482	3.6	127	0.00
23	Tm	t12dichlorte	0.010	0.011	-10.0	113	0.00
24	Tm	MtBE	0.010	0.009	10.0	118	0.00
25	T	Acrylonitrile	0.050	0.050	0.0	116	0.00
26	T	Hexane	0.020	0.026	-30.0#	138	0.01
27	PTm	11dichlorota	0.010	0.011	-10.0	116	0.00
28	T	Vinylacetate	0.100	0.080	20.0#	119	0.00
29	T	chloroprene	0.020	0.022	-10.0	119	0.00
30	Tm	Diisopether	0.010	0.010	0.0	113	0.00
31	T	ETBE	0.010	0.009	10.0	113	0.00
32	Tm	22dichloropr	0.010	0.011	-10.0	118	0.00
33	Tm	c12dichlorte	0.010	0.010	0.0	110	0.00
34	Tm	2Butanone	0.100	0.109	-9.0	133	0.01
35	T	Ethylacetate	0.050	0.048	4.0	103	0.00
36	T	propionitrile	0.100	0.096	4.0	117	0.00
37	Tm	Bromochlorma	0.010	0.010	0.0	116	0.00
38	T	methacrylonitrile	0.020	0.018	10.0	108	0.00
39	Tm	Tetrahydofur	0.100	0.096	4.0	120	0.00
40	CTm	Chloroform	0.010	0.010	0.0	112	0.00
41	Tm	111trichlota	0.010	0.011	-10.0	113	0.00
42	T	Cyclohexane	0.010	0.011	-10.0	118	0.00
43	S	SURRDibrflma	0.016	0.017	-6.3	114	0.00
44	Tm	Carbtetraclo	0.010	0.011	-10.0	116	0.00
45	Tm	11dicloprope	0.010	0.011	-10.0	122	0.00
46	S	SURR12DCAd4	0.016	0.016	0.0	110	0.00
47	Tm	Benzene	0.010	0.010	0.0	115	0.00
48	Tm	12dichlorota	0.010	0.010	0.0	110	0.00
49	T	TAME	0.010	0.010	0.0	116	0.00
50	Tm	Trichloroete	0.010	0.010	0.0	115	0.00
51	T	methylcyclohexane	0.010	0.010	0.0	117	0.00
52	CTm	12dicloropra	0.010	0.010	0.0	116	0.00
53	T	23Dicl1propene	0.010	0.010	0.0	116	0.00
54	Tm	Dibromometha	0.010	0.010	0.0	114	0.00
55	T	methylmethacrylate	0.010	0.012	-20.0	115	0.00
56	T	14dioxane	0.500	0.463	7.4	112	0.00
57	Tm	Bromodiclrma	0.010	0.010	0.0	117	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : M:\DATA\AUG2013\CCV1.D Vial: 3
Acq On : 20 Aug 2013 8:31 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
58	Tm	c13Dicloproe	0.010	0.010	0.0	115	0.00
59	Tm	4Meth2Pentan	0.100	0.093	7.0	120	0.00
60	S	SURRd8Tolule	0.016	0.016	0.0	109	0.00
61	CTm	Toluene	0.010	0.010	0.0	112	0.00
62	Tm	t13Dicloprop	0.010	0.010	0.0	116	0.00
63	T	ethylmethacrylate	0.020	0.018	10.0	116	0.00
64	Tm	112Triclotha	0.010	0.009	10.0	117	0.00
65	Tm	Tetrachlorte	0.010	0.012	-20.0	123	0.00
66	Tm	13Diclorpropa	0.010	0.010	0.0	119	0.00
67	I	d5-CHLOROBENZENE**ISTD**	0.020	0.020	0.0	112	0.00
68	T	2Hexanone	0.100	0.089	11.0	120	0.00
69	Tm	Clorodibrmta	0.010	0.009	10.0	115	0.00
70	Tm	12Dibrometha	0.010	0.009	10.0	121	0.00
71	PTm	Chlorobenzen	0.010	0.010	0.0	116	0.00
72	T	1Clhexane	0.010	0.011	-10.0	120	0.00
73	Tm	1112Tetclota	0.010	0.009	10.0	116	0.00
74	CTm	Ethylbenzene	0.010	0.010	0.0	117	0.00
75	Tm	m p-Xylene	0.020	0.021	-5.0	118	0.00
76	Tm	o-Xylene	0.010	0.010	0.0	119	0.00
77	Tm	Styrene	0.010	0.010	0.0	117	0.00
78	PTm	Bromoform	0.010	0.010	0.0	117	0.00
79	Tm	Isopropylben	0.010	0.010	0.0	116	0.00
80	I	d4-1,4-DICHLOROBENZENE**IST	0.020	0.020	0.0	128	0.00
81	T	cyclohexanone	0.200	0.171	14.5	121	0.00
82	S	SURR4BrFBenz	0.016	0.014	12.5	112	0.00
83	Tm	Bromobenzene	0.010	0.009	10.0	116	0.00
84	PTm	1122Tetrclta	0.010	0.008	20.0	118	0.00
85	Tm	123Triclproa	0.010	0.009	10.0	125	0.01
86	Tm	n-Propylbenz	0.010	0.010	0.0	120	0.00
87	Tm	2chlorotolue	0.010	0.010	0.0	131	0.00
88	Tm	4chlorotolue	0.010	0.011	-10.0	133	0.00
89	Tm	135Trimebenz	0.010	0.011	-10.0	131	0.00
90	Tm	tbutylbenzen	0.010	0.011	-10.0	134	0.00
91	Tm	124Trimetben	0.010	0.010	0.0	136	0.00
92	Tm	sbutylbenzen	0.010	0.011	-10.0	131	0.00
93	Tm	13Diclorbenz	0.010	0.011	-10.0	143	0.00
94	Tm	pIsopropylto	0.010	0.011	-10.0	142	0.00
95	Tm	14dichlorobe	0.010	0.012	-20.0	155	0.00
96	Tm	12dichlorobe	0.010	0.012	-20.0	160	0.00
97	Tm	nButylbenzen	0.010	0.012	-20.0	154	0.00
98	Tm	12dibromo3cl	0.010	0.011	-10.0	174	0.00
99	T	135Trichlorobenzene	0.010	0.012	-20.0	158	0.00
100	Tm	124Trichlobe	0.010	0.010	0.0	137	0.00
101	Tm	Hexachlorobu	0.010	0.008	20.0	127	0.00
102	Tm	Naphthalene	0.010	0.008	20.0	121	0.00
103	Tm	123Trichlben	0.010	0.009	10.0	129	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG2013\CCV1.D Vial: 3
Acq On : 20 Aug 2013 8:31 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 8:59 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:02 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	531229	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	382646	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	199479	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	194614	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 106 %			
46) SURR12DCAd4	7.50	102	35520	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
60) SURRd8Tolule	9.86	98	513002	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.41	95	186734	0.014	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 88 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	259351	0.0110	mg/kg	94
3) Chloromethan	2.16	50	312483	0.0108	mg/kg	99
4) VinylChlorid	2.32	62	314669	0.0114	mg/kg	99
5) Bromomethane	2.82	94	217315	0.0102	mg/kg	99
6) Chloroethane	2.98	64	194128	0.0111	mg/kg	96
7) dichloroflmethane	3.32	67	472860	0.0110	mg/kg	100
8) Trichlorofma	3.34	101	311888	0.0117	mg/kg	99
9) Ethylether	3.80	59	139440	0.0099	mg/kg	93
10) dichlorotfluoroethan	3.32	67	472860	0.0110	mg/kg	100
11) propyleneoxide	3.91	58	331871	0.1001	mg/kg	98
12) Acrolein	4.03	56	133744	0.0460	mg/kg	98
13) 11dichlorthe	4.11	96	176996	0.0115	mg/kg	89
14) Trichlorotfluoroeth	4.11	101	356255	0.0211	mg/kg	99
15) Acetone	4.25	43	563699	0.1105	mg/kg	99
16) Iodomethane	4.32	142	340702	0.0191	mg/kg	100
17) Carbon Dislf	4.38	76	1159122	0.0227	mg/kg	100
18) allylchloride	4.64	76	201257	0.0451	mg/kg	93
19) Methylacetate	4.71	74	81109	0.0095	mg/kg	96
20) Acetonitrile	4.64	41	608719	0.1058	mg/kg	98
21) Methylchlorid	4.82	84	284894	0.0118	mg/kg	98
22) tbutylalcohol	5.05	59	669222	0.4818	mg/kg	100
23) t12dichlorte	5.17	96	179038	0.0105	mg/kg	96
24) MtBE	5.15	73	370532	0.0094	mg/kg#	98
25) Acrylonitrile	5.20	53	248354	0.0501	mg/kg	100
26) Hexane	5.47	57	530658	0.0262	mg/kg	100
27) 11dichlorota	5.73	63	378023	0.0106	mg/kg	99
28) Vinylacetate	5.80	43	2379718	0.0802	mg/kg	99
29) chloroprene	5.82	53	603830	0.0223	mg/kg	99
30) Diisopether	5.78	45	694969	0.0098	mg/kg	99
31) ETBE	6.24	59	508137	0.0095	mg/kg	99
32) 22dichloropr	6.44	77	281593	0.0113	mg/kg	99
33) c12dichlorte	6.48	96	199111	0.0102	mg/kg	93
34) 2Butanone	6.52	72	144076	0.1092	mg/kg	94
35) Ethylacetate	6.58	88	18017	0.0476	mg/kg	94
36) propionitrile	6.63	54	180100	0.0961	mg/kg	98
37) Bromochlorma	6.79	128	86376	0.0100	mg/kg	95
38) methacrylonitrile	6.78	67	91649	0.0181	mg/kg#	84

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG2013\CCV1.D Vial: 3
Acq On : 20 Aug 2013 8:31 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 8:59 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:02 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
39)	Tetrahydofur	6.83	42	433803	0.0956	mg/kg	99
40)	Chloroform	6.89	83	335570	0.0102	mg/kg	100
41)	111trichlota	7.07	97	268400	0.0111	mg/kg	98
42)	Cyclohexane	7.10	56	321236	0.0105	mg/kg	97
44)	Carbtetraclo	7.25	119	209535	0.0111	mg/kg	98
45)	11dicloprope	7.27	110	76283	0.0114	mg/kg#	91
47)	Benzene	7.53	78	640440	0.0104	mg/kg	99
48)	12dichlorota	7.60	62	230519	0.0098	mg/kg	99
49)	TAME	7.65	73	407532	0.0096	mg/kg	99
50)	Trichloroete	8.34	95	164535	0.0105	mg/kg	99
51)	methylcyclohexane	8.52	83	248822	0.0101	mg/kg	99
52)	12dicloropra	8.63	63	193747	0.0104	mg/kg	99
53)	23Dicl1propene	8.70	75	267366	0.0105	mg/kg	94
54)	Dibromometha	8.81	93	117991	0.0099	mg/kg	99
55)	methylmethacrylate	8.76	69	84265	0.0116	mg/kg	97
56)	14dioxane	8.82	88	55250	0.4626	mg/kg	89
57)	Bromodiclrma	9.01	83	235094	0.0102	mg/kg	99
58)	c13Dicloproe	9.55	75	246792	0.0099	mg/kg	98
59)	4Meth2Pentan	9.73	43	1469973	0.0929	mg/kg	99
61)	Toluene	9.95	92	380649	0.0103	mg/kg	97
62)	t13Dicloprop	10.27	75	198452	0.0102	mg/kg	98
63)	ethylmethacrylate	10.34	69	348679	0.0185	mg/kg	95
64)	112Triclotha	10.52	83	106292	0.0095	mg/kg	98
65)	Tetrachlorte	10.66	166	159255	0.0118	mg/kg	99
66)	13Diclorpropa	10.74	76	227089	0.0097	mg/kg	97
68)	2Hexanone	9.73	43	1473300	0.0891	mg/kg	99
69)	Clorodibrmta	11.05	129	138162	0.0091	mg/kg	97
70)	12Dibrometha	11.19	107	125471	0.0091	mg/kg	100
71)	Chlorobenzen	11.83	112	403537	0.0103	mg/kg	98
72)	1Clhexane	11.76	91	241957	0.0110	mg/kg	98
73)	1112Tetclota	11.94	131	137182	0.0092	mg/kg	98
74)	Ethylbenzene	11.95	91	723701	0.0105	mg/kg	98
75)	m p-Xylene	12.10	106	510879	0.0213	mg/kg	96
76)	o-Xylene	12.66	106	247355	0.0101	mg/kg	97
77)	Styrene	12.69	104	427304	0.0099	mg/kg	100
78)	Bromoform	13.00	173	85747	0.0097	mg/kg	97
79)	Isopropylben	13.16	105	638514	0.0103	mg/kg	100
81)	cyclohexanone	13.35	55	89874	0.1708	mg/kg	90
83)	Bromobenzene	13.63	156	159744	0.0091	mg/kg	98
84)	1122Tetrclta	13.66	83	158425	0.0080	mg/kg	98
85)	123Triclproa	13.72	75	158327	0.0087	mg/kg	97
86)	n-Propylbenz	13.74	91	828018	0.0099	mg/kg	99
87)	2chlorotolue	13.89	91	480179	0.0102	mg/kg	97
88)	4chlorotolue	14.04	91	568287	0.0107	mg/kg	100
89)	135Trimebenz	13.99	105	548370	0.0106	mg/kg	100
90)	tbutylbenzen	14.45	119	465327	0.0107	mg/kg	97
91)	124Trimetben	14.53	105	540878	0.0104	mg/kg	99
92)	sbutylbenzen	14.77	105	759360	0.0106	mg/kg	100
93)	13Diclorbenz	14.97	146	331954	0.0106	mg/kg	99
94)	pIsopropylto	14.98	119	591906	0.0109	mg/kg	99
95)	14dichlorobe	15.10	146	362336	0.0117	mg/kg	99
96)	12dichlorobe	15.64	146	353480	0.0121	mg/kg	98
97)	nButylbenzen	15.57	91	662473	0.0119	mg/kg	99
98)	12dibromo3cl	16.77	157	31843	0.0108	mg/kg	81
99)	135Trichlorobenzene	17.01	180	247656	0.0119	mg/kg	99
100)	124Trichlobe	17.83	180	168112	0.0097	mg/kg	98
101)	Hexachlorobu	18.02	225	104439	0.0078	mg/kg	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG2013\CCV1.D Vial: 3
Acq On : 20 Aug 2013 8:31 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 8:59 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:02 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

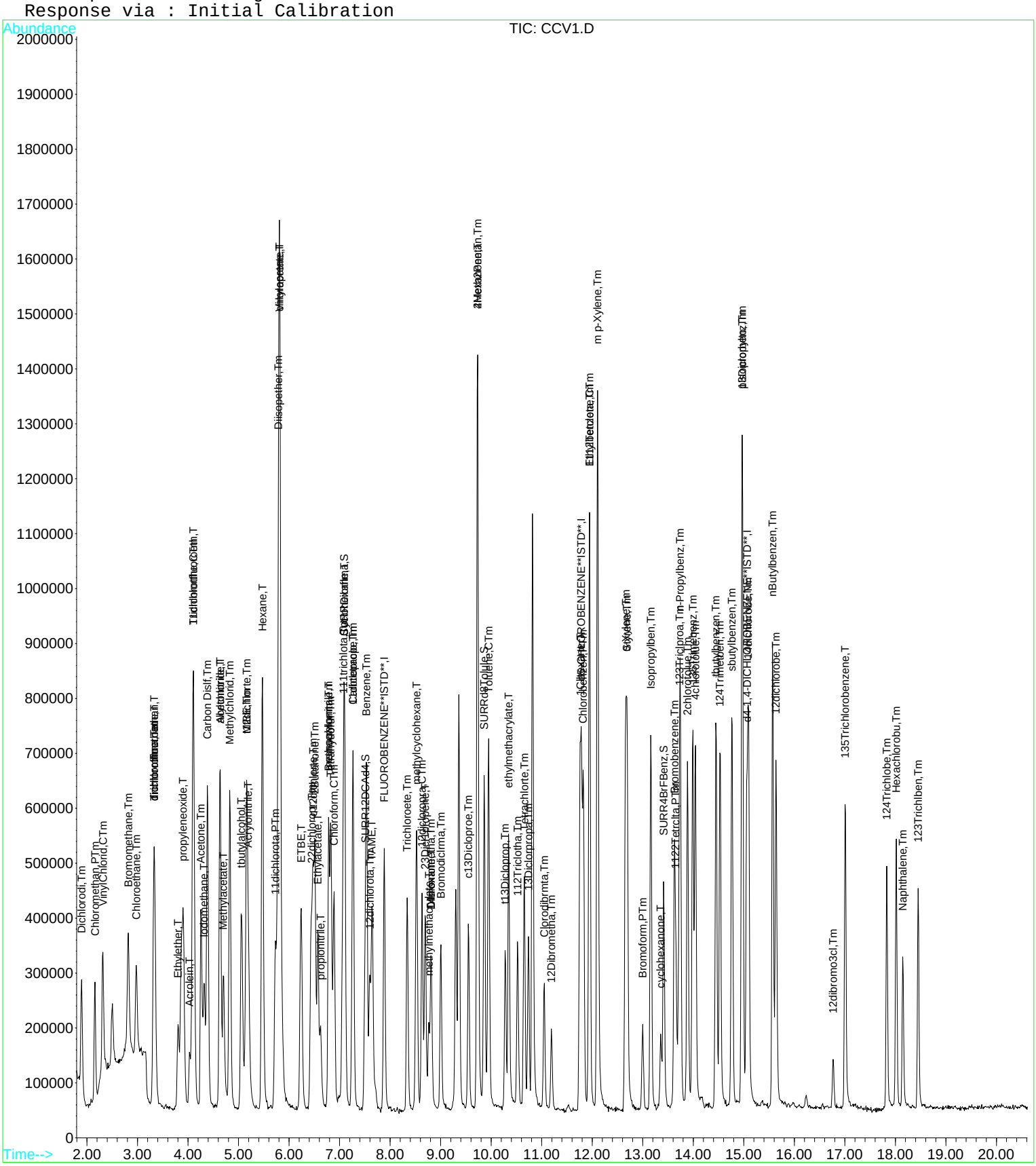
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) Naphthalene	18.14	128	267220	0.0083	mg/kg	98
103) 123Trichlben	18.45	180	148549	0.0092	mg/kg	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

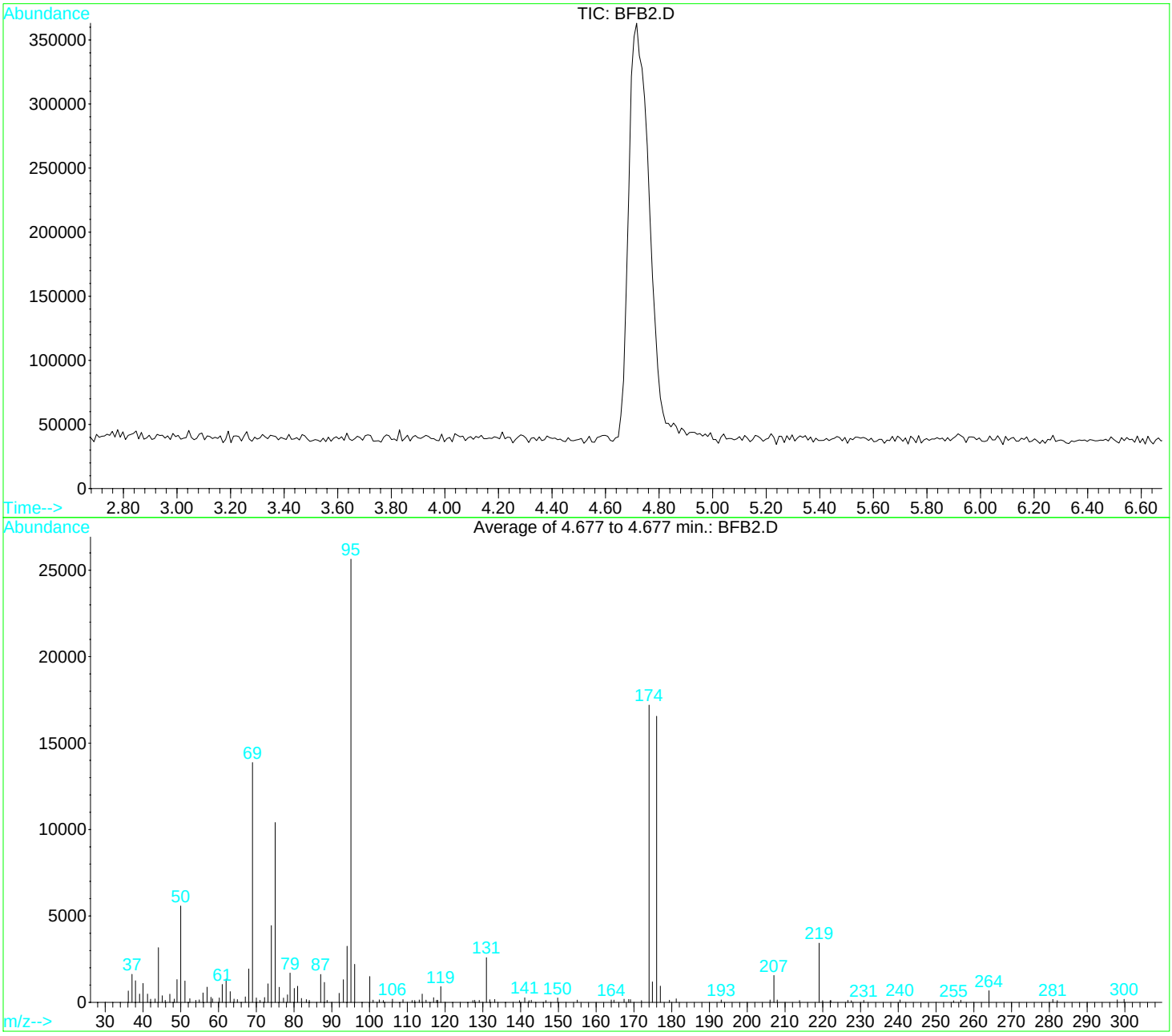
Data File : M:\DATA\AUG2013\CCV1.D Vial: 3
Acq On : 20 Aug 2013 8:31 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 8:59 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



Data File : M:\DATA\AUG2013\BFB2.D
Acq On : 20 Aug 2013 21:33
Sample : 96824,BFB,1
Misc : 50 ng
MS Integration Params: VOC.P
Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260

Vial: 24
Operator: RLD-BMS
Inst : VMS1
Multiplr: 1.00



Spectrum Information: Average of 4.677 to 4.677 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.7	5575	PASS
75	95	30	60	40.6	10405	PASS
95	95	100	100	100.0	25640	PASS
96	95	5	9	8.6	2206	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.1	17200	PASS
175	174	5	9	6.9	1190	PASS
176	174	95	101	96.2	16552	PASS
177	176	5	9	5.7	943	PASS

Evaluate Continuing Calibration Report

Data File : M:\DATA\AUG2013\CCV2.D Vial: 26
Acq On : 20 Aug 2013 22:18 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	FLUOROBENZENE**ISTD**	1.000	1.000	0.0	121	0.00
2	Tm	Dichlorodi	0.884	0.947	-7.1	124	0.00
3	PTm	Chloromethan	1.085	1.183	-9.0	127	0.00
4	CTm	VinylChlorid	1.043	1.025	1.7	109	0.00
5	Tm	Bromomethane	0.801	0.591	26.2#	95	0.00
6	Tm	Chloroethane	0.658	0.569	13.5	100	0.00
7	T	dichloroflmethane	1.622	1.728	-6.5	122	0.00
8	Tm	Trichlorofma	1.000	1.110	-11.0	121	0.01
9	T	Ethylether	0.532	0.520	2.3	136	0.00
10	T	dichlorotfluoroethan	1.622	1.728	-6.5	122	0.00
11	T	propyleneoxide	0.125	0.126	-0.8	129	0.00
12	T	Acrolein	0.110	0.100	9.1	125	0.00
13	CTm	11dichlorthe	0.579	0.661	-14.2	134	0.01
14	T	Trichlorotfluoroeth	0.567	0.694	-22.4#	133	0.00
15	Tm	Acetone	0.192	0.230	-19.8	164	0.00
16	T	Iodomethane	0.595	0.625	-5.0	124	0.01
17	Tm	Carbon Dislf	1.924	2.210	-14.9	131	0.00
18	T	allylchloride	0.168	0.181	-7.7	124	0.01
19	T	Methylacetate	0.323	0.331	-2.5	138	0.01
20	T	Acetonitrile	0.217	0.230	-6.0	122	0.00
21	Tm	Methylchlorid	1.863	1.341	28.0#	140	0.00
22	T	tbutylalcohol	0.052	0.048#	7.7	134	0.01
23	Tm	t12dichlorte	0.642	0.710	-10.6	130	0.01
24	Tm	MtBE	1.488	1.388	6.7	128	0.00
25	T	Acrylonitrile	0.187	0.190	-1.6	129	0.00
26	T	Hexane	0.762	1.074	-40.9#	162	0.01
27	PTm	11dichlorota	1.345	1.360	-1.1	121	0.00
28	T	Vinylacetate	0.893	0.829	7.2	121	0.00
29	T	chloroprene	1.020	1.010	1.0	115	0.00
30	Tm	Diisopether	2.669	2.523	5.5	119	0.00
31	T	ETBE	2.015	1.809	10.2	117	0.00
32	Tm	22dichloropr	0.934	0.971	-4.0	118	0.00
33	Tm	c12dichlorte	0.733	0.780	-6.4	125	0.00
34	Tm	2Butanone	0.050	0.057#	-14.0	152	0.00
35	T	Ethylacetate	0.014	0.015#	-7.1	125	0.00
36	T	propionitrile	0.071	0.069#	2.8	130	0.00
37	Tm	Bromochlorma	0.326	0.363	-11.3	142	0.00
38	T	methacrylonitrile	0.191	0.184	3.7	126	0.00
39	Tm	Tetrahydofur	0.171	0.160	6.4	129	0.01
40	CTm	Chloroform	1.233	1.204	2.4	117	0.00
41	Tm	111trichlota	0.908	0.941	-3.6	115	0.01
42	T	Cyclohexane	1.019	1.159	-13.7	124	0.00
43	S	SURRDibrflma	0.441	0.431	2.3	117	0.00
44	Tm	Carbtetraclo	0.710	0.768	-8.2	124	0.00
45	Tm	11dicloprope	0.252	0.295	-17.1	137	0.01
46	S	SURR12DCAd4	0.085	0.093#	-9.4	133	0.00
47	Tm	Benzene	2.326	2.455	-5.5	128	0.00
48	Tm	12dichlorota	0.886	0.768	13.3	106	0.00
49	T	TAME	1.604	1.481	7.7	122	0.00
50	Tm	Trichloroete	0.592	0.645	-9.0	131	0.00
51	T	methylcyclohexane	0.818	0.992	-21.3#	135	0.00
52	CTm	12dicloropra	0.699	0.711	-1.7	124	0.01
53	T	23Dicl1propene	0.962	0.979	-1.8	123	0.00
54	Tm	Dibromometha	0.448	0.415	7.4	116	0.00
55	T	methylmethacrylate	0.392	0.301	23.2#	119	0.00
56	T	14dioxane	0.004	0.005#	-25.0#	132	0.00
57	Tm	Bromodiclrma	0.869	0.825	5.1	119	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : M:\DATA\AUG2013\CCV2.D Vial: 26
Acq On : 20 Aug 2013 22:18 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
58	Tm	c13Dicloproe	0.942	0.902	4.2	122	0.00
59	Tm	4Meth2Pentan	0.596	0.520	12.8	123	0.00
60	S	SURRd8Tolule	1.179	1.195	-1.4	118	0.00
61	CTm	Toluene	1.389	1.489	-7.2	128	0.01
62	Tm	t13Dicloprop	0.730	0.711	2.6	120	0.00
63	T	ethylmethacrylate	0.710	0.625	12.0	121	0.00
64	Tm	112Triclotha	0.423	0.395	6.6	126	0.00
65	Tm	Tetrachlorte	0.509	0.648	-27.3#	146	0.01
66	Tm	13Diclorpropa	0.880	0.811	7.8	123	0.00
67	I	d5-CHLOROBENZENE**ISTD**	1.000	1.000	0.0	124	0.01
68	T	2Hexanone	0.865	0.717	17.1	124	0.00
69	Tm	Clorodibrmta	0.790	0.772	2.3	136	0.00
70	Tm	12Dibrometha	0.724	0.652	9.9	133	0.00
71	PTm	Chlorobenzen	2.051	2.194	-7.0	133	0.00
72	T	1Clhexane	1.147	1.264	-10.2	132	0.00
73	Tm	1112Tetclota	0.777	0.752	3.2	135	0.00
74	CTm	Ethylbenzene	3.614	3.706	-2.5	127	0.00
75	Tm	m p-Xylene	1.251	1.379	-10.2	135	0.00
76	Tm	o-Xylene	1.280	1.351	-5.5	138	0.00
77	Tm	Styrene	2.261	2.276	-0.7	131	0.00
78	PTm	Bromoform	0.460	0.458	0.4	132	0.01
79	Tm	Isopropylben	3.250	3.409	-4.9	131	0.00
80	I	d4-1,4-DICHLOROBENZENE**IST	1.000	1.000	0.0	124	0.00
81	T	cyclohexanone	0.053	0.047#	11.3	123	0.00
82	S	SURR4BrFBenz	1.303	1.291	0.9	119	0.00
83	Tm	Bromobenzene	1.758	1.940	-10.4	136	0.00
84	PTm	1122Tetrclta	1.979	1.770	10.6	128	0.00
85	Tm	123Triclproa	1.821	1.650	9.4	126	0.00
86	Tm	n-Propylbenz	8.382	9.250	-10.4	130	0.00
87	Tm	2chlorotolue	4.726	4.942	-4.6	130	0.00
88	Tm	4chlorotolue	5.307	5.860	-10.4	133	0.00
89	Tm	135Trimebenz	5.188	5.856	-12.9	135	0.00
90	Tm	tbutylbenzen	4.375	4.851	-10.9	135	0.00
91	Tm	124Trimetben	5.201	5.617	-8.0	136	0.00
92	Tm	sbutylbenzen	7.169	8.106	-13.1	135	0.00
93	Tm	13Diclorbenz	3.128	3.461	-10.6	143	0.00
94	Tm	pIsopropylto	5.458	6.254	-14.6	145	0.01
95	Tm	14dichlorobe	3.113	3.405	-9.4	141	0.00
96	Tm	12dichlorobe	2.930	3.146	-7.4	137	0.00
97	Tm	nButylbenzen	5.564	6.108	-9.8	137	0.00
98	Tm	12dibromo3cl	0.297	0.297	0.0	157	0.00
99	T	135Trichlorobenzene	2.094	2.498	-19.3	153	0.00
100	Tm	124Trichlobe	1.742	2.037	-16.9	160	0.00
101	Tm	Hexachlorobu	1.029	1.355	-31.7#	159	0.00
102	Tm	Naphthalene	3.235	3.211	0.7	140	0.00
103	Tm	123Trichlben	1.616	1.800	-11.4	151	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : M:\DATA\AUG2013\CCV2.D Vial: 26
Acq On : 20 Aug 2013 22:18 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	FLUOROBENZENE**ISTD**	0.020	0.020	0.0	121	0.00
2	Tm	Dichlorodi	0.010	0.011	-10.0	124	0.00
3	PTm	Chloromethan	0.010	0.011	-10.0	127	0.00
4	CTm	VinylChlorid	0.010	0.010	0.0	109	0.00
5	Tm	Bromomethane	0.010	0.007	30.0#	95	0.00
6	Tm	Chloroethane	0.010	0.009	10.0	100	0.00
7	T	dichloroflmethane	0.010	0.011	-10.0	122	0.00
8	Tm	Trichlorofma	0.010	0.011	-10.0	121	0.01
9	T	Ethylether	0.010	0.010	0.0	136	0.00
10	T	dichlorotfluoroethan	0.010	0.011	-10.0	122	0.00
11	T	propyleneoxide	0.100	0.101	-1.0	129	0.00
12	T	Acrolein	0.050	0.046	8.0	125	0.00
13	CTm	11dichlorthe	0.010	0.011	-10.0	134	0.01
14	T	Trichlorotfluoroeth	0.020	0.022	-10.0	133	0.00
15	Tm	Acetone	0.100	0.120	-20.0	164	0.00
16	T	Iodomethane	0.020	0.019	5.0	124	0.01
17	Tm	Carbon Dislf	0.020	0.023	-15.0	131	0.00
18	T	allylchloride	0.040	0.043	-7.5	124	0.01
19	T	Methylacetate	0.010	0.010	0.0	138	0.01
20	T	Acetonitrile	0.100	0.106	-6.0	122	0.00
21	Tm	Methylchlorid	0.010	0.015	-50.0#	140	0.00
22	T	tbutylalcohol	0.500	0.463	7.4	134	0.01
23	Tm	t12dichlorte	0.010	0.011	-10.0	130	0.01
24	Tm	MtBE	0.010	0.009	10.0	128	0.00
25	T	Acrylonitrile	0.050	0.051	-2.0	129	0.00
26	T	Hexane	0.020	0.028	-40.0#	162	0.01
27	PTm	11dichlorota	0.010	0.010	0.0	121	0.00
28	T	Vinylacetate	0.100	0.074	26.0#	121	0.00
29	T	chloroprene	0.020	0.020	0.0	115	0.00
30	Tm	Diisopether	0.010	0.009	10.0	119	0.00
31	T	ETBE	0.010	0.009	10.0	117	0.00
32	Tm	22dichloropr	0.010	0.010	0.0	118	0.00
33	Tm	c12dichlorte	0.010	0.011	-10.0	125	0.00
34	Tm	2Butanone	0.100	0.114	-14.0	152	0.00
35	T	Ethylacetate	0.050	0.053	-6.0	125	0.00
36	T	propionitrile	0.100	0.098	2.0	130	0.00
37	Tm	Bromochlorma	0.010	0.011	-10.0	142	0.00
38	T	methacrylonitrile	0.020	0.019	5.0	126	0.00
39	Tm	Tetrahydofur	0.100	0.094	6.0	129	0.01
40	CTm	Chloroform	0.010	0.010	0.0	117	0.00
41	Tm	111trichlota	0.010	0.010	0.0	115	0.01
42	T	Cyclohexane	0.010	0.010	0.0	124	0.00
43	S	SURRDibrflma	0.016	0.016	0.0	117	0.00
44	Tm	Carbtetraclo	0.010	0.011	-10.0	124	0.00
45	Tm	11dicloprope	0.010	0.012	-20.0	137	0.01
46	S	SURR12DCAd4	0.016	0.017	-6.3	133	0.00
47	Tm	Benzene	0.010	0.011	-10.0	128	0.00
48	Tm	12dichlorota	0.010	0.009	10.0	106	0.00
49	T	TAME	0.010	0.009	10.0	122	0.00
50	Tm	Trichloroete	0.010	0.011	-10.0	131	0.00
51	T	methylcyclohexane	0.010	0.011	-10.0	135	0.00
52	CTm	12dicloropra	0.010	0.010	0.0	124	0.01
53	T	23Dicl1propene	0.010	0.010	0.0	123	0.00
54	Tm	Dibromometha	0.010	0.009	10.0	116	0.00
55	T	methylmethacrylate	0.010	0.011	-10.0	119	0.00
56	T	14dioxane	0.500	0.502	-0.4	132	0.00
57	Tm	Bromodiclrma	0.010	0.009	10.0	119	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : M:\DATA\AUG2013\CCV2.D Vial: 26
Acq On : 20 Aug 2013 22:18 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Multiple Level Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
58	Tm	c13Dicloproe	0.010	0.010	0.0	122	0.00
59	Tm	4Meth2Pentan	0.100	0.087	13.0	123	0.00
60	S	SURRd8Tolule	0.016	0.016	0.0	118	0.00
61	CTm	Toluene	0.010	0.011	-10.0	128	0.01
62	Tm	t13Dicloprop	0.010	0.010	0.0	120	0.00
63	T	ethylmethacrylate	0.020	0.018	10.0	121	0.00
64	Tm	112Triclotha	0.010	0.009	10.0	126	0.00
65	Tm	Tetrachlorte	0.010	0.013	-30.0#	146	0.01
66	Tm	13Diclorpropa	0.010	0.009	10.0	123	0.00
67	I	d5-CHLOROBENZENE**ISTD**	0.020	0.020	0.0	124	0.01
68	T	2Hexanone	0.100	0.083	17.0	124	0.00
69	Tm	Clorodibrmta	0.010	0.010	0.0	136	0.00
70	Tm	12Dibrometha	0.010	0.009	10.0	133	0.00
71	PTm	Chlorobenzen	0.010	0.011	-10.0	133	0.00
72	T	1Clhexane	0.010	0.011	-10.0	132	0.00
73	Tm	1112Tetclota	0.010	0.010	0.0	135	0.00
74	CTm	Ethylbenzene	0.010	0.010	0.0	127	0.00
75	Tm	m p-Xylene	0.020	0.022	-10.0	135	0.00
76	Tm	o-Xylene	0.010	0.011	-10.0	138	0.00
77	Tm	Styrene	0.010	0.010	0.0	131	0.00
78	PTm	Bromoform	0.010	0.010	0.0	132	0.01
79	Tm	Isopropylben	0.010	0.010	0.0	131	0.00
80	I	d4-1,4-DICHLOROBENZENE**IST	0.020	0.020	0.0	124	0.00
81	T	cyclohexanone	0.200	0.179	10.5	123	0.00
82	S	SURR4BrFBenz	0.016	0.016	0.0	119	0.00
83	Tm	Bromobenzene	0.010	0.011	-10.0	136	0.00
84	PTm	1122Tetrclta	0.010	0.009	10.0	128	0.00
85	Tm	123Triclproa	0.010	0.009	10.0	126	0.00
86	Tm	n-Propylbenz	0.010	0.011	-10.0	130	0.00
87	Tm	2chlorotolue	0.010	0.010	0.0	130	0.00
88	Tm	4chlorotolue	0.010	0.011	-10.0	133	0.00
89	Tm	135Trimebenz	0.010	0.011	-10.0	135	0.00
90	Tm	tbutylbenzen	0.010	0.011	-10.0	135	0.00
91	Tm	124Trimetben	0.010	0.011	-10.0	136	0.00
92	Tm	sbutylbenzen	0.010	0.011	-10.0	135	0.00
93	Tm	13Diclorbenz	0.010	0.011	-10.0	143	0.00
94	Tm	pIsopropylto	0.010	0.011	-10.0	145	0.01
95	Tm	14dichlorobe	0.010	0.011	-10.0	141	0.00
96	Tm	12dichlorobe	0.010	0.011	-10.0	137	0.00
97	Tm	nButylbenzen	0.010	0.011	-10.0	137	0.00
98	Tm	12dibromo3cl	0.010	0.010	0.0	157	0.00
99	T	135Trichlorobenzene	0.010	0.012	-20.0	153	0.00
100	Tm	124Trichlobe	0.010	0.012	-20.0	160	0.00
101	Tm	Hexachlorobu	0.010	0.010	0.0	159	0.00
102	Tm	Naphthalene	0.010	0.010	0.0	140	0.00
103	Tm	123Trichlben	0.010	0.011	-10.0	151	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\CCV2.D Vial: 26
Acq On : 20 Aug 2013 22:18 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 22:39 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.89	96	580181	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	422026	0.02	mg/kg	0.01 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	192960	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	200006	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
46) SURR12DCAd4	7.51	102	42986	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 106 %			
60) SURRd8Tolule	9.87	98	554777	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.42	95	199352	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 100 %			
Target Compounds						Qvalue
2) Dichlorodi	1.90	85	274828	0.0107	mg/kg	97
3) Chloromethan	2.16	50	343162	0.0109	mg/kg	98
4) VinylChlorid	2.31	62	297478	0.0098	mg/kg	97
5) Bromomethane	2.82	94	171355	0.0074	mg/kg	97
6) Chloroethane	2.98	64	164926	0.0086	mg/kg	99
7) dichloroflmethane	3.32	67	501237	0.0106	mg/kg	95
8) Trichlorofma	3.35	101	322075	0.0111	mg/kg	99
9) Ethylether	3.81	59	150978	0.0098	mg/kg	99
10) dichlorotfluoroethan	3.32	67	501237	0.0106	mg/kg	100
11) propyleneoxide	3.91	58	364539	0.1007	mg/kg	90
12) Acrolein	4.03	56	145267	0.0457	mg/kg	98
13) 11dichlorthe	4.11	96	191620	0.0114	mg/kg#	84
14) Trichlorotfluoroeth	4.10	101	402534	0.0219	mg/kg	95
15) Acetone	4.26	43	667205	0.1197	mg/kg	92
16) Iodomethane	4.33	142	362632	0.0186	mg/kg	93
17) Carbon Dislf	4.39	76	1282069	0.0230	mg/kg	99
18) allylchloride	4.64	76	210472	0.0432	mg/kg#	86
19) Methylacetate	4.71	74	96116	0.0103	mg/kg	90
20) Acetonitrile	4.63	41	666257	0.1060	mg/kg	85
21) Methylchlorid	4.83	84	389041	0.0148	mg/kg	91
22) tbutylalcohol	5.07	59	702633	0.4631	mg/kg	100
23) t12dichlorte	5.17	96	206010	0.0111	mg/kg	95
24) MtBE	5.15	73	402626	0.0093	mg/kg#	100
25) Acrylonitrile	5.20	53	274934	0.0507	mg/kg	98
26) Hexane	5.48	57	623261	0.0282	mg/kg	98
27) 11dichlorota	5.72	63	394478	0.0101	mg/kg	98
28) Vinylacetate	5.80	43	2405915	0.0742	mg/kg	97
29) chloroprene	5.82	53	585823	0.0198	mg/kg	89
30) Diisopether	5.78	45	731915	0.0095	mg/kg	97
31) ETBE	6.24	59	524715	0.0090	mg/kg	97
32) 22dichloropr	6.44	77	281571	0.0104	mg/kg	96
33) c12dichlorte	6.48	96	226187	0.0106	mg/kg	94
34) 2Butanone	6.51	72	164391	0.1141	mg/kg	99
35) Ethylacetate	6.57	88	21876	0.0529	mg/kg#	92
36) propionitrile	6.63	54	199831	0.0976	mg/kg	97
37) Bromochlorma	6.79	128	105203	0.0111	mg/kg#	80
38) methacrylonitrile	6.79	67	106592	0.0192	mg/kg	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\CCV2.D Vial: 26
Acq On : 20 Aug 2013 22:18 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 22:39 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) Tetrahydofur	6.84	42	465209	0.0939 mg/kg	99
40) Chloroform	6.90	83	349289	0.0098 mg/kg	97
41) 111trichlota	7.07	97	272940	0.0104 mg/kg	96
42) Cyclohexane	7.10	56	336143	0.0101 mg/kg	98
44) Carbtetraclo	7.26	119	222804	0.0108 mg/kg	99
45) 11dicloprope	7.28	110	85670	0.0117 mg/kg#	84
47) Benzene	7.53	78	712063	0.0106 mg/kg	99
48) 12dichlorota	7.59	62	222734	0.0087 mg/kg	99
49) TAME	7.64	73	429627	0.0092 mg/kg	98
50) Trichloroete	8.34	95	187036	0.0109 mg/kg	91
51) methylcyclohexane	8.53	83	287681	0.0107 mg/kg	95
52) 12dicloropra	8.64	63	206208	0.0102 mg/kg	95
53) 23Dicl1propene	8.70	75	284022	0.0102 mg/kg	97
54) Dibromometha	8.81	93	120463	0.0093 mg/kg	92
55) methylmethacrylate	8.76	69	87400	0.0111 mg/kg	95
56) 14dioxane	8.82	88	65530	0.5024 mg/kg	94
57) Bromodiclrma	9.01	83	239264	0.0095 mg/kg	99
58) c13Dicloproe	9.55	75	261682	0.0096 mg/kg	97
59) 4Meth2Pentan	9.73	43	1508870	0.0873 mg/kg	97
61) Toluene	9.95	92	431993	0.0107 mg/kg	98
62) t13Dicloprop	10.28	75	206263	0.0097 mg/kg	99
63) ethylmethacrylate	10.35	69	362549	0.0176 mg/kg	95
64) 112Triclotha	10.53	83	114574	0.0093 mg/kg	98
65) Tetrachlorte	10.66	166	187891	0.0127 mg/kg	99
66) 13Diclorpropa	10.74	76	235372	0.0092 mg/kg	99
68) 2Hexanone	9.73	43	1511974	0.0829 mg/kg	97
69) Clorodibrmta	11.06	129	162952	0.0098 mg/kg	98
70) 12Dibrometha	11.19	107	137550	0.0090 mg/kg	99
71) Chlorobenzen	11.83	112	462901	0.0107 mg/kg	97
72) 1Clhexane	11.76	91	266645	0.0110 mg/kg	94
73) 1112Tetclota	11.94	131	158595	0.0097 mg/kg	98
74) Ethylbenzene	11.95	91	781958	0.0103 mg/kg	97
75) m p-Xylene	12.11	106	582009	0.0221 mg/kg	91
76) o-Xylene	12.66	106	285028	0.0106 mg/kg#	87
77) Styrene	12.69	104	480273	0.0101 mg/kg	94
78) Bromoform	13.00	173	96675	0.0100 mg/kg	96
79) Isopropylben	13.16	105	719399	0.0105 mg/kg	98
81) cyclohexanone	13.36	55	91234	0.1792 mg/kg	80
83) Bromobenzene	13.63	156	187124	0.0110 mg/kg	93
84) 1122Tetrclta	13.66	83	170785	0.0089 mg/kg	98
85) 123Triclproa	13.71	75	159237	0.0091 mg/kg	94
86) n-Propylbenz	13.74	91	892486	0.0110 mg/kg	96
87) 2chlorotolue	13.89	91	476847	0.0105 mg/kg	96
88) 4chlorotolue	14.05	91	565346	0.0110 mg/kg	96
89) 135Trimebenz	13.99	105	564943	0.0113 mg/kg	97
90) tbutylbenzen	14.45	119	468003	0.0111 mg/kg	95
91) 124Trimetben	14.53	105	541974	0.0108 mg/kg	96
92) sbutylbenzen	14.77	105	782032	0.0113 mg/kg	97
93) 13Diclorbenz	14.97	146	333935	0.0111 mg/kg	98
94) pIsopropylto	14.98	119	603398	0.0115 mg/kg	96
95) 14dichlorobe	15.10	146	328491	0.0109 mg/kg	98
96) 12dichlorobe	15.64	146	303560	0.0107 mg/kg	99
97) nButylbenzen	15.57	91	589268	0.0110 mg/kg	96
98) 12dibromo3cl	16.77	157	28651	0.0100 mg/kg	81
99) 135Trichlorobenzene	17.01	180	240984	0.0119 mg/kg	100
100) 124Trichlobe	17.83	180	196558	0.0117 mg/kg	97
101) Hexachlorobu	18.02	225	130698	0.0101 mg/kg	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\CCV2.D Vial: 26
Acq On : 20 Aug 2013 22:18 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 22:39 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

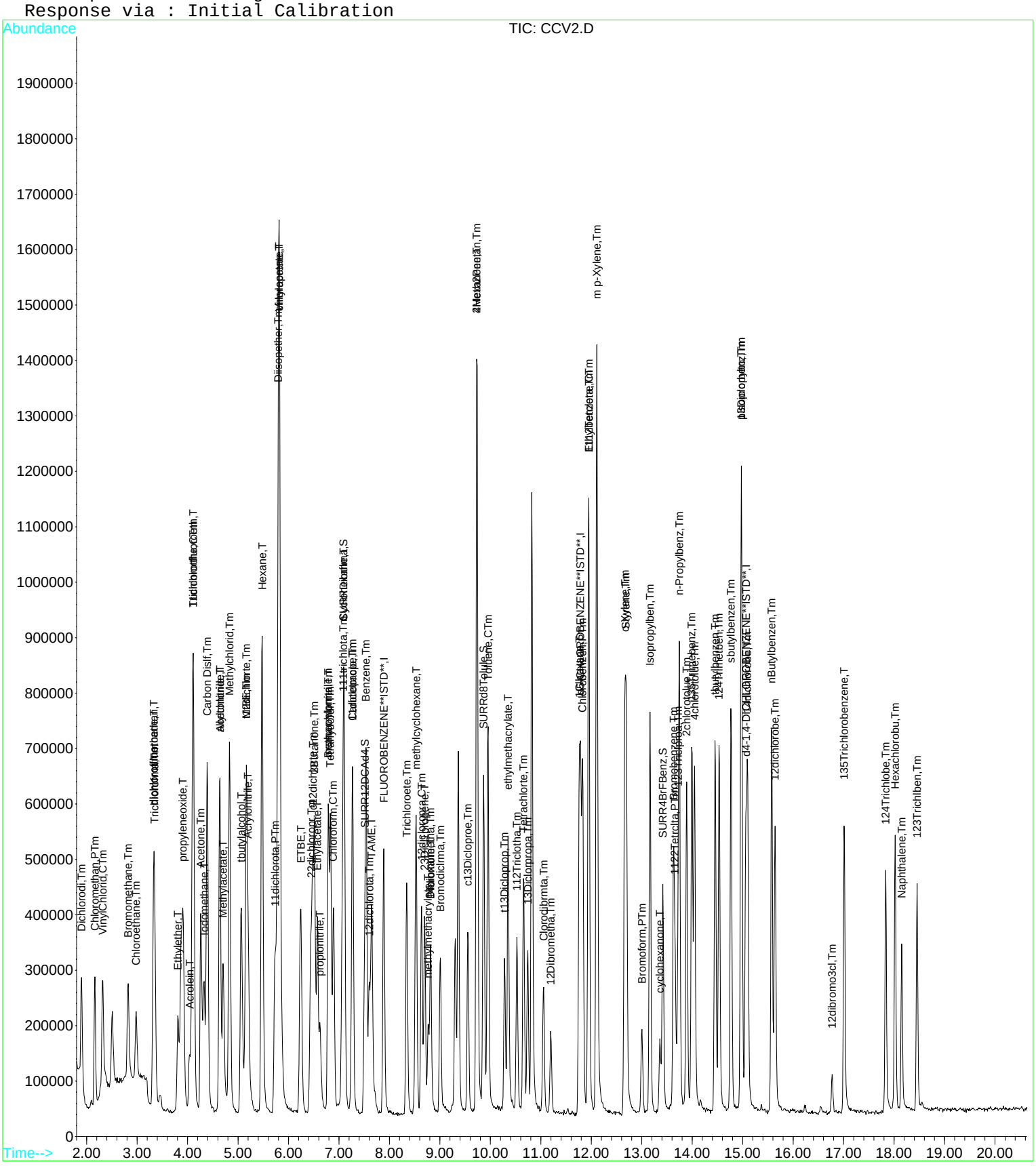
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) Naphthalene	18.15	128	309823	0.0099	mg/kg	96
103) 123Trichlben	18.45	180	173668	0.0111	mg/kg	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG2013\CCV2.D Vial: 26
Acq On : 20 Aug 2013 22:18 Operator: RLD-BMS
Sample : 96824,CCV,1 Inst : VMS1
Misc : 0.010/0.10 mg/kg, 10.0 mL Purged + ISTD/ Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 22:39 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\CCB1.D Vial: 28
Acq On : 20 Aug 2013 23:25 Operator: RLD-BMS
Sample : 96824,CCB,1 Inst : VMS1
Misc : 10.0 mL DI H2O Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 23:46 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	476361	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	369273	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.07	152	161646	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.10	113	156113	0.015	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 94 %			
46) SURR12DCAd4	7.50	102	29385	0.014	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 88 %			
60) SURRd8Tolule	9.87	98	469214	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 106 %			
82) SURR4BrFBenz	13.41	95	170580	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 100 %			
Target Compounds						Qvalue
2) Dichlorodi	1.90	85	11609	N.D.		
3) Chloromethan	2.26	50	4561	N.D.		
4) VinylChlorid	2.30	62	1179	N.D.		
5) Bromomethane	2.84	94	5536	N.D.		
6) Chloroethane	2.97	64	3126	N.D.		
7) dichloroflmethane	3.33	67	655	N.D.		
8) Trichlorofma	3.35	101	1541	N.D.		
9) Ethylether	3.82	59	2024	N.D.		
10) dichlorotfluoroethan	3.33	67	655	N.D.		
11) propyleneoxide	0.00	58	0	N.D.		
12) Acrolein	4.05	56	1342	N.D.		
13) 11dichlorthe	4.07	96	1098	N.D.		
14) Trichlorotfluoroeth	4.11	101	1314	N.D.		
15) Acetone	4.29	43	9455	N.D.		
16) Iodomethane	4.37	142	1460	N.D.		
17) Carbon Dislf	4.39	76	4544	N.D.		
18) allylchloride	4.63	76	724	N.D.		
19) Methylacetate	0.00	74	0	N.D.		
20) Acetonitrile	4.65	41	561	N.D.		
21) Methylchlorid	4.83	84	155438	0.0071	mg/kg	92
22) tbutylalcohol	5.08	59	852	N.D.		
23) t12dichlorte	5.06	96	516	N.D.		
24) MtBE	0.00	73	0	N.D.		
25) Acrylonitrile	5.25	53	547	N.D.		
26) Hexane	5.47	57	38353	N.D.		
27) 11dichlorota	5.78	63	646	N.D.		
28) Vinylacetate	5.80	43	589	N.D.		
29) chloroprene	5.82	53	822	N.D.		
30) Diisopether	0.00	45	0	N.D.		
31) ETBE	0.00	59	0	N.D.		
32) 22dichloropr	6.50	77	606	N.D.		
33) c12dichlorte	6.41	96	544	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	0.00	54	0	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	6.83	67	557	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\CCB1.D Vial: 28
Acq On : 20 Aug 2013 23:25 Operator: RLD-BMS
Sample : 96824,CCB,1 Inst : VMS1
Misc : 10.0 mL DI H2O Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 23:46 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) Tetrahydofur	6.88	42	4738	N.D.	
40) Chloroform	6.90	83	673	N.D.	
41) 111trichlota	0.00	97	0	N.D.	
42) Cyclohexane	7.12	56	902	N.D.	
44) Carbtetraclo	7.30	119	532	N.D.	
45) 11dicloprope	0.00	110	0	N.D.	
47) Benzene	7.56	78	734	N.D.	
48) 12dichlorota	7.61	62	784	N.D.	
49) TAME	0.00	73	0	N.D.	
50) Trichloroete	0.00	95	0	N.D.	
51) methylcyclohexane	8.51	83	671	N.D.	
52) 12dicloropra	8.69	63	791	N.D.	
53) 23Dicl1propene	0.00	75	0	N.D.	
54) Dibromometha	8.78	93	619	N.D.	
55) methylmethacrylate	8.76	69	9092	N.D.	
56) 14dioxane	0.00	88	0	N.D.	
57) Bromodiclrma	0.00	83	0	N.D.	
58) c13Dicloproe	0.00	75	0	N.D.	
59) 4Meth2Pentan	9.72	43	1081	N.D.	
61) Toluene	9.95	92	802	N.D.	
62) t13Dicloprop	10.28	75	949	N.D.	
63) ethylmethacrylate	10.38	69	5803	N.D.	
64) 112Triclotha	0.00	83	0	N.D.	
65) Tetrachlorte	10.64	166	783	N.D.	
66) 13Diclorpropa	10.73	76	602	N.D.	
68) 2Hexanone	9.72	43	1081	N.D.	
69) Clorodibrmta	0.00	129	0	N.D.	
70) 12Dibrometha	0.00	107	0	N.D.	
71) Chlorobenzen	11.84	112	1504	N.D.	
72) 1Clhexane	11.78	91	2074	N.D.	
73) 1112Tetclota	11.94	131	2777	N.D.	
74) Ethylbenzene	11.98	91	1619	N.D.	
75) m p-Xylene	12.11	106	1756	N.D.	
76) o-Xylene	12.67	106	554	N.D.	
77) Styrene	12.71	104	1215	N.D.	
78) Bromoform	0.00	173	0	N.D.	
79) Isopropylben	13.16	105	1476	N.D.	
81) cyclohexanone	13.36	55	583	N.D.	
83) Bromobenzene	13.64	156	514	N.D.	
84) 1122Tetrclta	13.56	83	515	N.D.	
85) 123Triclproa	13.73	75	842	N.D.	
86) n-Propylbenz	13.75	91	2727	N.D.	
87) 2chlorotolue	13.89	91	1243	N.D.	
88) 4chlorotolue	14.05	91	1199	N.D.	
89) 135Trimebenz	13.99	105	1480	N.D.	
90) tbutylbenzen	14.45	119	3514	N.D.	
91) 124Trimetben	14.54	105	1502	N.D.	
92) sbutylbenzen	14.77	105	2769	N.D.	
93) 13Diclorbenz	14.99	146	1466	N.D.	
94) pIsopropylto	14.97	119	6091	N.D.	
95) 14dichlorobe	15.09	146	1601	N.D.	
96) 12dichlorobe	15.67	146	817	N.D.	
97) nButylbenzen	15.57	91	3446	N.D.	
98) 12dibromo3cl	0.00	157	0	N.D.	
99) 135Trichlorobenzene	17.01	180	1493	N.D.	
100) 124Trichlobe	17.83	180	2481	N.D.	
101) Hexachlorobu	18.03	225	914	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\CCB1.D Vial: 28
Acq On : 20 Aug 2013 23:25 Operator: RLD-BMS
Sample : 96824,CCB,1 Inst : VMS1
Misc : 10.0 mL DI H2O Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 23:46 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

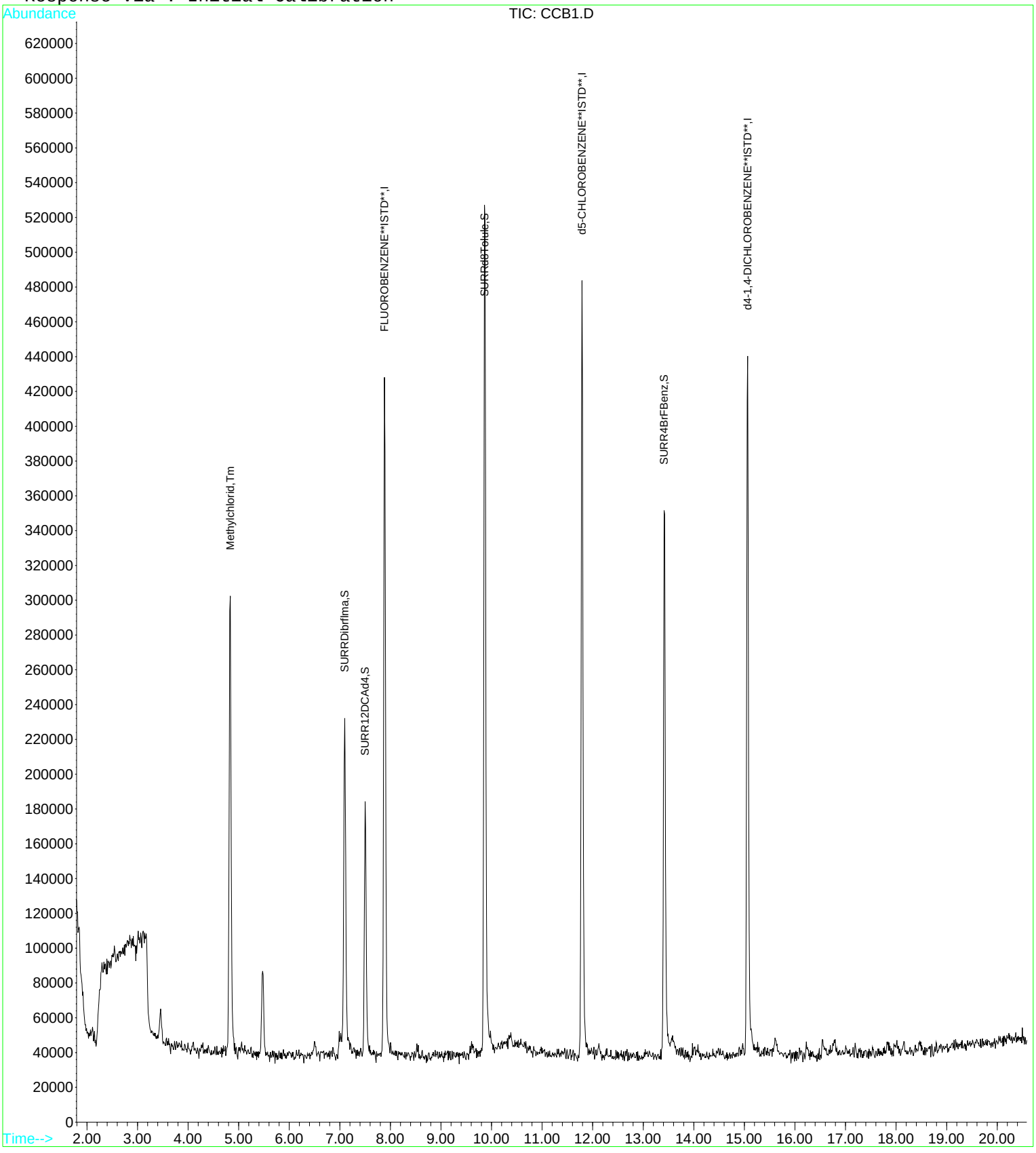
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	4651	N.D.	
103) 123Trichlben	18.46	180	1394	N.D.	

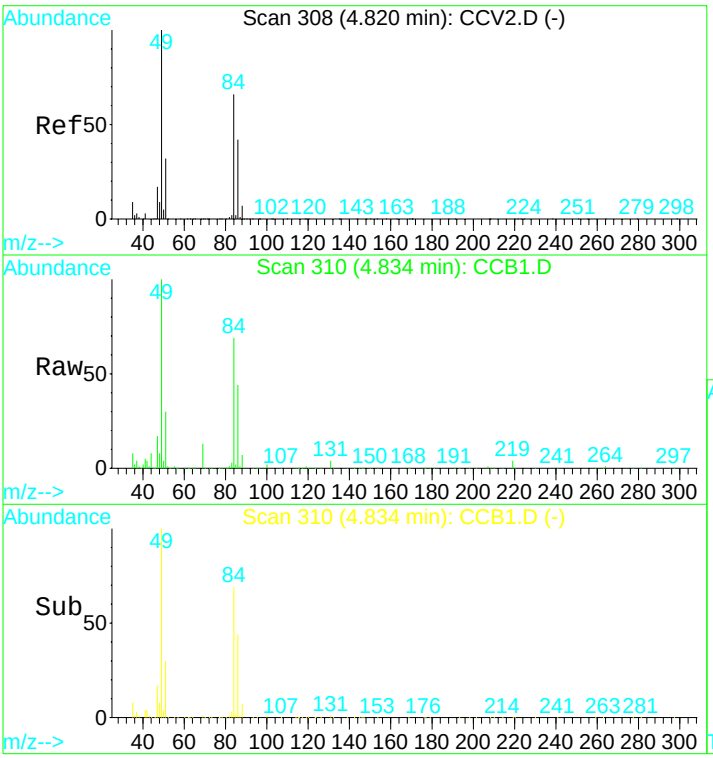
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG2013\CCB1.D Vial: 28
Acq On : 20 Aug 2013 23:25 Operator: RLD-BMS
Sample : 96824,CCB,1 Inst : VMS1
Misc : 10.0 mL DI H2O Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 23:46 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

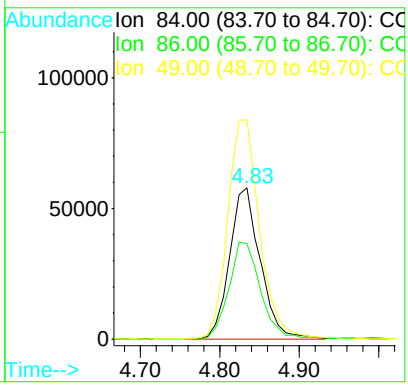




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.83 min Scan# 310
Delta R.T. 0.01 min
Lab File: CCB1.D
Acq: 20 Aug 2013 23:25

Tgt Ion: 84 Resp: 155438

Ion	Ratio	Lower	Upper
84	100		
86	66.4	45.7	85.7
49	151.0	146.2	186.2



VOLATILE ORGANIC ANALYSIS
QUALITY CONTROL
DOCUMENTS

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\LCS1.D Vial: 5
Acq On : 20 Aug 2013 9:34 Operator: RLD-BMS
Sample : 96824,LCSS,1 Inst : VMS1
Misc : 5.0g, 0.010/0.10 mg/kg, 10 mL Purged + I Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 9:54 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	481952	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	353007	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	158508	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	174865	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
46) SURR12DCAd4	7.50	102	32942	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
60) SURRd8Tolule	9.86	98	462723	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.41	95	170512	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 106 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	243571	0.0114	mg/kg	96
3) Chloromethan	2.16	50	291676	0.0112	mg/kg	99
4) VinylChlorid	2.32	62	293790	0.0117	mg/kg	96
5) Bromomethane	2.82	94	195129	0.0101	mg/kg	99
6) Chloroethane	2.98	64	200666	0.0127	mg/kg	95
7) dichloroflmethane	3.32	67	436953	0.0112	mg/kg	95
8) Trichlorofma	3.34	101	288014	0.0120	mg/kg	100
9) Ethylether	3.80	59	134365	0.0105	mg/kg	95
10) dichlorotfluoroethan	3.32	67	436953	0.0112	mg/kg	99
11) propyleneoxide	3.91	58	340065	0.1130	mg/kg	97
12) Acrolein	4.03	56	135051	0.0512	mg/kg	95
13) 11dichlorthe	4.11	96	157969	0.0113	mg/kg	97
14) Trichlorotfluoroeth	4.11	101	336090	0.0220	mg/kg	99
15) Acetone	4.25	43	725504	0.1567	mg/kg	98
16) Iodomethane	4.32	142	316798	0.0195	mg/kg	99
17) Carbon Dislf	4.38	76	1078190	0.0233	mg/kg	99
18) allylchloride	4.63	76	179947	0.0444	mg/kg	99
19) Methylacetate	4.70	74	85275	0.0110	mg/kg	98
20) Acetonitrile	4.63	41	577484	0.1106	mg/kg	99
21) Methylchlorid	4.83	84	360522	0.0166	mg/kg	96
22) tbutylalcohol	5.06	59	690584	0.5480	mg/kg	98
23) t12dichlorte	5.16	96	171669	0.0111	mg/kg	100
24) MtBE	5.15	73	371325	0.0104	mg/kg#	97
25) Acrylonitrile	5.20	53	248856	0.0553	mg/kg	100
26) Hexane	5.46	57	502354	0.0273	mg/kg	100
27) 11dichlorota	5.73	63	350984	0.0108	mg/kg	99
28) Vinylacetate	5.80	43	2316454	0.0861	mg/kg	99
29) chloroprene	5.82	53	559814	0.0228	mg/kg	99
30) Diisopether	5.78	45	639084	0.0099	mg/kg	98
31) ETBE	6.23	59	482156	0.0099	mg/kg	99
32) 22dichloropr	6.44	77	255648	0.0114	mg/kg	98
33) c12dichlorte	6.48	96	189565	0.0107	mg/kg	97
34) 2Butanone	6.51	72	151883	0.1269	mg/kg	92
35) Ethylacetate	6.57	88	19712	0.0574	mg/kg	94
36) propionitrile	6.62	54	188831	0.1110	mg/kg	97
37) Bromochlorma	6.78	128	82111	0.0105	mg/kg	95
38) methacrylonitrile	6.78	67	99086	0.0215	mg/kg	93

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\LCS1.D Vial: 5
Acq On : 20 Aug 2013 9:34 Operator: RLD-BMS
Sample : 96824,LCSS,1 Inst : VMS1
Misc : 5.0g, 0.010/0.10 mg/kg, 10 mL Purged + I Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 9:54 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
39) Tetrahydofur	6.82	42	448524	0.1090	mg/kg	100
40) Chloroform	6.89	83	316356	0.0106	mg/kg	98
41) 111trichlota	7.06	97	247844	0.0113	mg/kg	99
42) Cyclohexane	7.10	56	299002	0.0108	mg/kg	100
44) Carbtetraclo	7.26	119	191882	0.0112	mg/kg	99
45) 11dicloprope	7.26	110	69813	0.0115	mg/kg	93
47) Benzene	7.53	78	600992	0.0107	mg/kg	99
48) 12dichlorota	7.59	62	223986	0.0105	mg/kg	96
49) TAME	7.65	73	384505	0.0099	mg/kg	99
50) Trichloroete	8.34	95	158010	0.0111	mg/kg	99
51) methylcyclohexane	8.52	83	239491	0.0107	mg/kg	98
52) 12dicloropra	8.63	63	180921	0.0107	mg/kg	97
53) 23Dicl1propene	8.69	75	248547	0.0107	mg/kg	97
54) Dibromometha	8.81	93	112378	0.0104	mg/kg	98
55) methylmethacrylate	8.76	69	88183	0.0132	mg/kg	96
56) 14dioxane	8.82	88	57187	0.5278	mg/kg	91
57) Bromodiclrma	9.00	83	221834	0.0106	mg/kg	96
58) c13Dicloproe	9.55	75	235519	0.0104	mg/kg	96
59) 4Meth2Pentan	9.72	43	1548601	0.1078	mg/kg	99
61) Toluene	9.95	92	356571	0.0107	mg/kg	99
62) t13Dicloprop	10.28	75	188521	0.0107	mg/kg	98
63) ethylmethacrylate	10.34	69	341829	0.0200	mg/kg	96
64) 112Triclotha	10.52	83	99796	0.0098	mg/kg	97
65) Tetrachlorte	10.66	166	146880	0.0120	mg/kg	96
66) 13Diclorpropa	10.74	76	214866	0.0101	mg/kg	98
68) 2Hexanone	9.72	43	1551716	0.1017	mg/kg	99
69) Clorodibrmta	11.04	129	135566	0.0097	mg/kg	97
70) 12Dibrometha	11.19	107	122372	0.0096	mg/kg	97
71) Chlorobenzen	11.83	112	371955	0.0103	mg/kg	99
72) 1Clhexane	11.76	91	230297	0.0114	mg/kg	98
73) 1112Tetclota	11.94	131	125854	0.0092	mg/kg	96
74) Ethylbenzene	11.95	91	675437	0.0106	mg/kg	98
75) m p-Xylene	12.11	106	462212	0.0209	mg/kg	98
76) o-Xylene	12.66	106	225320	0.0100	mg/kg	98
77) Styrene	12.69	104	391645	0.0098	mg/kg	100
78) Bromoform	13.00	173	83481	0.0103	mg/kg	99
79) Isopropylben	13.16	105	602117	0.0105	mg/kg	100
81) cyclohexanone	13.35	55	94981	0.2271	mg/kg	87
83) Bromobenzene	13.63	156	143526	0.0103	mg/kg	96
84) 1122Tetrclta	13.66	83	156853	0.0100	mg/kg	100
85) 123Triclproa	13.71	75	153252	0.0106	mg/kg	94
86) n-Propylbenz	13.74	91	784690	0.0118	mg/kg	99
87) 2chlorotolue	13.89	91	413875	0.0110	mg/kg	98
88) 4chlorotolue	14.04	91	472706	0.0112	mg/kg	99
89) 135Trimebenz	13.98	105	461007	0.0112	mg/kg	99
90) tbutylbenzen	14.45	119	373928	0.0108	mg/kg	99
91) 124Trimetben	14.53	105	451680	0.0110	mg/kg	100
92) sbutylbenzen	14.76	105	653244	0.0115	mg/kg	99
93) 13Diclorbenz	14.97	146	260889	0.0105	mg/kg	98
94) pIsopropylto	14.98	119	479170	0.0111	mg/kg	98
95) 14dichlorobe	15.10	146	270252	0.0110	mg/kg	98
96) 12dichlorobe	15.64	146	246794	0.0106	mg/kg	99
97) nButylbenzen	15.57	91	512792	0.0116	mg/kg	99
98) 12dibromo3cl	16.77	157	26043	0.0111	mg/kg	92
99) 135Trichlorobenzene	17.01	180	223906	0.0135	mg/kg	99
100) 124Trichlobe	17.83	180	176299	0.0128	mg/kg	99
101) Hexachlorobu	18.02	225	130830	0.0124	mg/kg	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\LCS1.D Vial: 5
Acq On : 20 Aug 2013 9:34 Operator: RLD-BMS
Sample : 96824,LCSS,1 Inst : VMS1
Misc : 5.0g, 0.010/0.10 mg/kg, 10 mL Purged + I Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 9:54 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

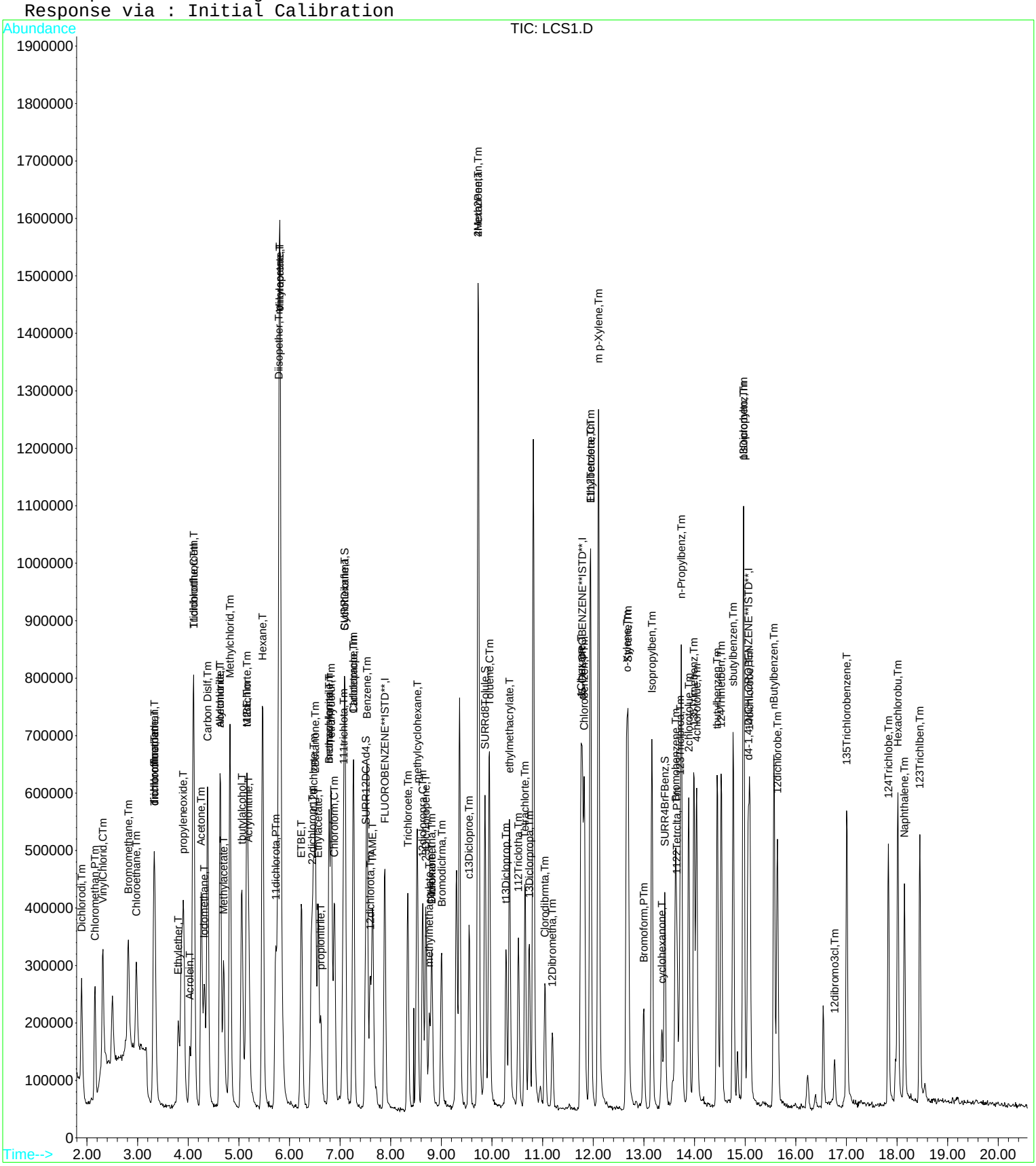
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	377430	0.0147 mg/kg	98
103) 123Trichlben	18.45	180	192820	0.0151 mg/kg	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG2013\LCS1.D Vial: 5
Acq On : 20 Aug 2013 9:34 Operator: RLD-BMS
Sample : 96824,LCSS,1 Inst : VMS1
Misc : 5.0g, 0.010/0.10 mg/kg, 10 mL Purged + I Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 9:54 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG2013\MRL1.D Vial: 6
Acq On : 20 Aug 2013 10:02 Operator: RLD-BMS
Sample : 96824,MRLS,1 Inst : VMS1
Misc : 5.0g, 0.002/0.020 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 10:23 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	478263	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	344616	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	156306	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.10	113	171207	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
46) SURR12DCAd4	7.50	102	31978	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
60) SURRd8Tolule	9.86	98	464857	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.41	95	169642	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 106 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	62475	0.0030	mg/kg	98
3) Chloromethan	2.16	50	63389	0.0024	mg/kg	97
4) VinylChlorid	2.32	62	64001	0.0026	mg/kg	85
5) Bromomethane	2.82	94	46191	0.0024	mg/kg	93
6) Chloroethane	2.98	64	35867	0.0023	mg/kg	87
7) dichloroflmethane	3.32	67	88828	0.0023	mg/kg#	75
8) Trichlorofma	3.34	101	60071	0.0025	mg/kg	99
9) Ethylether	3.81	59	40459	0.0032	mg/kg	96
10) dichlorotfluoroethan	3.32	67	88828	0.0023	mg/kg#	97
11) propyleneoxide	3.91	58	66053	0.0221	mg/kg	99
12) Acrolein	4.04	56	21912	0.0084	mg/kg	82
13) 11dichlorthe	4.11	96	32020	0.0023	mg/kg	93
14) Trichlorotfluoroeth	4.10	101	63611	0.0042	mg/kg	98
15) Acetone	4.26	43	142018	0.0309	mg/kg	97
16) Iodomethane	4.31	142	52500	0.0033	mg/kg	99
17) Carbon Dislf	4.38	76	216163	0.0047	mg/kg	99
18) allylchloride	4.64	76	35722	0.0089	mg/kg	95
19) Methylacetate	4.71	74	13819	0.0018	mg/kg	94
20) Acetonitrile	4.63	41	117205	0.0226	mg/kg	97
21) Methylchlorid	4.83	84	169954	0.0077	mg/kg	96
22) tbutylalcohol	5.06	59	143307	0.1146	mg/kg	100
23) t12dichlorte	5.17	96	34245	0.0022	mg/kg	97
24) MtBE	5.15	73	71797	0.0020	mg/kg#	93
25) Acrylonitrile	5.22	53	41570	0.0093	mg/kg	94
26) Hexane	5.46	57	113389	0.0062	mg/kg	97
27) 11dichlorota	5.72	63	70679	0.0022	mg/kg	95
28) Vinylacetate	5.81	43	324455	0.0121	mg/kg	100
29) chloroprene	5.82	53	98788	0.0041	mg/kg	99
30) Diisopether	5.78	45	125827	0.0020	mg/kg	98
31) ETBE	6.24	59	92231	0.0019	mg/kg	97
32) 22dichloropr	6.44	77	47713	0.0021	mg/kg	97
33) c12dichlorte	6.48	96	39106	0.0022	mg/kg	98
34) 2Butanone	6.53	72	25223	0.0212	mg/kg	83
35) Ethylacetate	6.59	88	3791	0.0111	mg/kg	96
36) propionitrile	6.64	54	32403	0.0192	mg/kg	98
37) Bromochlorma	6.79	128	15681	0.0020	mg/kg	96
38) methacrylonitrile	6.79	67	15459	0.0034	mg/kg#	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG2013\MRL1.D Vial: 6
Acq On : 20 Aug 2013 10:02 Operator: RLD-BMS
Sample : 96824,MRLS,1 Inst : VMS1
Misc : 5.0g, 0.002/0.020 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 10:23 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) Tetrahydofur	6.83	42	78343	0.0192 mg/kg	93
40) Chloroform	6.88	83	66900	0.0023 mg/kg	99
41) 111trichlota	7.06	97	48067	0.0022 mg/kg	99
42) Cyclohexane	7.10	56	57492	0.0021 mg/kg	91
44) Carbtetraclo	7.26	119	34712	0.0020 mg/kg	100
45) 11dicloprope	7.26	110	12497	0.0021 mg/kg#	89
47) Benzene	7.53	78	112306	0.0020 mg/kg#	39
48) 12dichlorota	7.59	62	42565	0.0020 mg/kg	99
49) TAME	7.65	73	78839	0.0021 mg/kg	98
50) Trichloroete	8.34	95	29907	0.0021 mg/kg	93
51) methylcyclohexane	8.51	83	43682	0.0020 mg/kg	94
52) 12dicloropra	8.63	63	32932	0.0020 mg/kg	87
53) 23Dicl1propene	8.70	75	48038	0.0021 mg/kg	94
54) Dibromometha	8.82	93	21440	0.0020 mg/kg	95
55) methylmethacrylate	8.77	69	19555	0.0033 mg/kg	86
56) 14dioxane	8.83	88	12271	0.1141 mg/kg	95
57) Bromodiclrma	9.01	83	42605	0.0020 mg/kg	97
58) c13Dicloproe	9.56	75	39642	0.0018 mg/kg	98
59) 4Meth2Pentan	9.73	43	293212	0.0206 mg/kg	98
61) Toluene	9.95	92	67149	0.0020 mg/kg	93
62) t13Dicloprop	10.28	75	31965	0.0018 mg/kg	96
63) ethylmethacrylate	10.34	69	64455	0.0038 mg/kg	95
64) 112Triclotha	10.53	83	21042	0.0021 mg/kg	94
65) Tetrachlorte	10.66	166	27221	0.0022 mg/kg	94
66) 13Diclorpropa	10.73	76	40581	0.0019 mg/kg	98
68) 2Hexanone	9.73	43	291869	0.0196 mg/kg	98
69) Clorodibrmta	11.05	129	26339	0.0019 mg/kg	98
70) 12Dibrometha	11.20	107	22865	0.0018 mg/kg	96
71) Chlorobenzen	11.83	112	71535	0.0020 mg/kg	90
72) 1Clhexane	11.76	91	47342	0.0024 mg/kg	94
73) 1112Tetclota	11.94	131	32798	0.0025 mg/kg#	79
74) Ethylbenzene	11.95	91	125291	0.0020 mg/kg	98
75) m p-Xylene	12.11	106	85683	0.0040 mg/kg	99
76) o-Xylene	12.66	106	42087	0.0019 mg/kg	93
77) Styrene	12.70	104	70020	0.0018 mg/kg	96
78) Bromoform	12.99	173	15134	0.0019 mg/kg	91
79) Isopropylben	13.16	105	106787	0.0019 mg/kg	99
81) cyclohexanone	13.35	55	20275	0.0492 mg/kg#	1
83) Bromobenzene	13.62	156	28219	0.0021 mg/kg	94
84) 1122Tetrclta	13.66	83	31008	0.0020 mg/kg	97
85) 123Triclproa	13.71	75	29925	0.0021 mg/kg	100
86) n-Propylbenz	13.74	91	134012	0.0020 mg/kg	100
87) 2chlorotolue	13.89	91	74414	0.0020 mg/kg	98
88) 4chlorotolue	14.04	91	86320	0.0021 mg/kg	97
89) 135Trimebenz	13.98	105	84311	0.0021 mg/kg	99
90) tbutylbenzen	14.45	119	71384	0.0021 mg/kg	99
91) 124Trimetben	14.53	105	79897	0.0020 mg/kg	96
92) sbutylbenzen	14.76	105	113440	0.0020 mg/kg	99
93) 13Diclorbenz	14.97	146	46812	0.0019 mg/kg	95
94) pIsopropylto	14.98	119	86865	0.0020 mg/kg	99
95) 14dichlorobe	15.10	146	52407	0.0022 mg/kg	98
96) 12dichlorobe	15.64	146	45564	0.0020 mg/kg	95
97) nButylbenzen	15.57	91	90546	0.0021 mg/kg	99
98) 12dibromo3cl	16.78	157	5463	0.0024 mg/kg	90
99) 135Trichlorobenzene	17.01	180	37357	0.0023 mg/kg	97
100) 124Trichlobe	17.83	180	29073	0.0021 mg/kg	96
101) Hexachlorobu	18.02	225	17986	0.0017 mg/kg	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : M:\DATA\AUG2013\MRL1.D Vial: 6
Acq On : 20 Aug 2013 10:02 Operator: RLD-BMS
Sample : 96824,MRLS,1 Inst : VMS1
Misc : 5.0g, 0.002/0.020 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 10:23 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

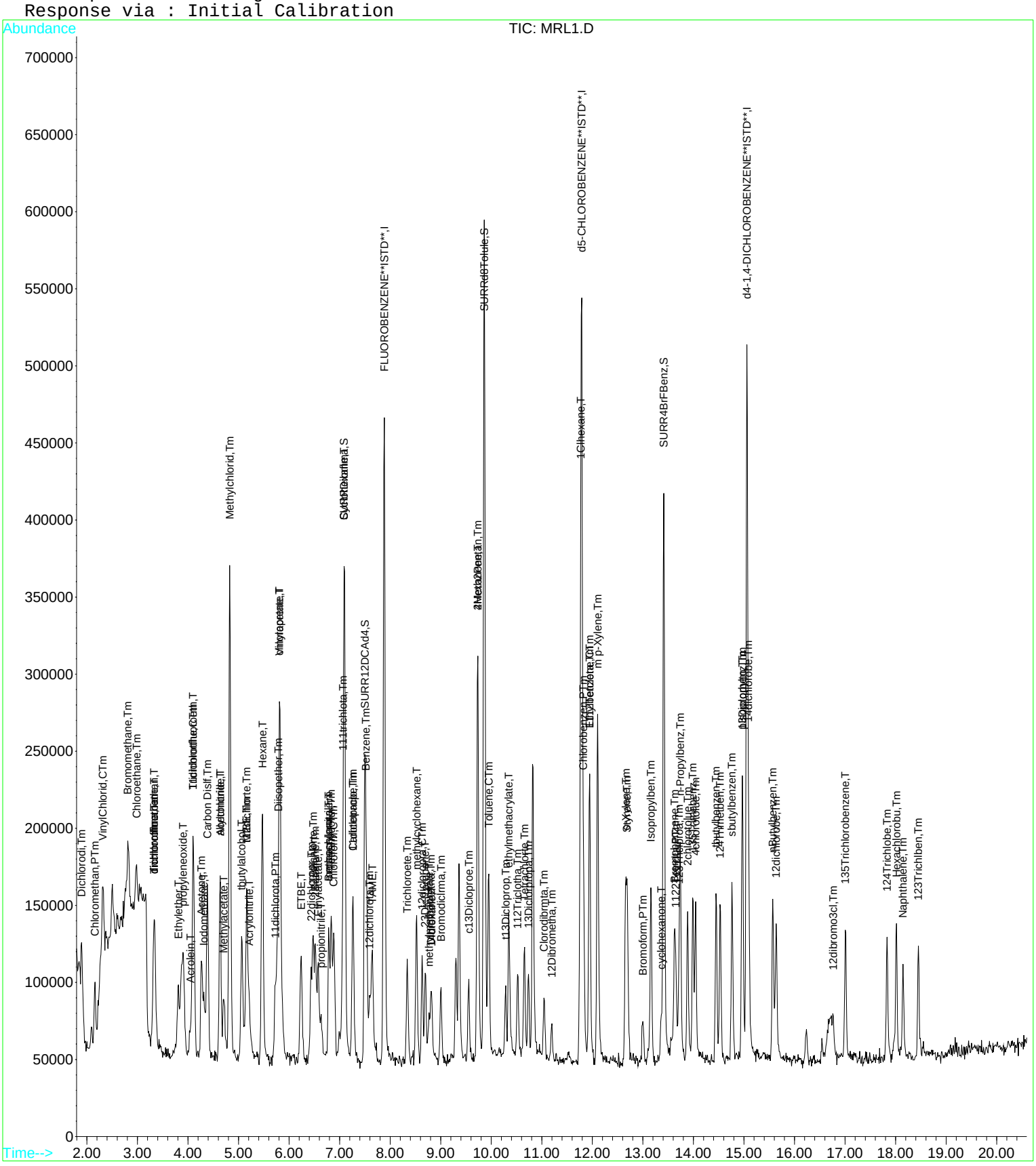
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	62219	0.0025 mg/kg	96
103) 123Trichlben	18.45	180	27661	0.0022 mg/kg	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG2013\MRL1.D Vial: 6
Acq On : 20 Aug 2013 10:02 Operator: RLD-BMS
Sample : 96824,MRLS,1 Inst : VMS1
Misc : 5.0g, 0.002/0.020 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 10:23 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\MB1.D Vial: 8
Acq On : 20 Aug 2013 11:00 Operator: RLD-BMS
Sample : 96824,MBS,1 Inst : VMS1
Misc : 5.00g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 11:21 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	628363	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	467791	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	209216	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	195190	0.014	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 88 %			
46) SURR12DCAd4	7.50	102	37764	0.014	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 88 %			
60) SURRd8Tolule	9.86	98	619729	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 106 %			
82) SURR4BrFBenz	13.41	95	217536	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 100 %			
Target Compounds						Qvalue
2) Dichlorodi	1.89	85	14274	N.D.		
3) Chloromethan	2.15	50	5670	N.D.		
4) VinylChlorid	2.32	62	1283	N.D.		
5) Bromomethane	2.90	94	2425	N.D.		
6) Chloroethane	2.95	64	2535	N.D.		
7) dichloroflmethane	3.36	67	680	N.D.		
8) Trichlorofma	3.36	101	1808	N.D.		
9) Ethylether	3.81	59	7774	N.D.		
10) dichlorotfluoroethan	3.27	67	967	N.D.		
11) propyleneoxide	3.99	58	784	N.D.		
12) Acrolein	4.06	56	842	N.D.		
13) 11dichlorthe	4.03	96	1405	N.D.		
14) Trichlorotfluoroeth	0.00	101	0	N.D.		
15) Acetone	4.27	43	14653	N.D.		
16) Iodomethane	4.32	142	1141	N.D.		
17) Carbon Dislf	4.38	76	4817	N.D.		
18) allylchloride	4.60	76	627	N.D.		
19) Methylacetate	0.00	74	0	N.D.		
20) Acetonitrile	4.70	41	4366	N.D.		
21) Methylchlorid	4.82	84	164561	0.0057	mg/kg#	86
22) tbutylalcohol	5.08	59	1828	N.D.		
23) t12dichlorte	5.18	96	578	N.D.		
24) MtBE	5.15	73	4404	N.D.		
25) Acrylonitrile	5.11	53	584	N.D.		
26) Hexane	5.47	57	23321	N.D.		
27) 11dichlorota	0.00	63	0	N.D.		
28) Vinylacetate	5.80	43	1473	N.D.		
29) chloroprene	0.00	53	0	N.D.		
30) Diisopether	5.80	45	1018	N.D.		
31) ETBE	0.00	59	0	N.D.		
32) 22dichloropr	6.41	77	819	N.D.		
33) c12dichlorte	6.52	96	1014	N.D.		
34) 2Butanone	0.00	72	0	N.D.		
35) Ethylacetate	0.00	88	0	N.D.		
36) propionitrile	6.60	54	763	N.D.		
37) Bromochlorma	0.00	128	0	N.D.		
38) methacrylonitrile	0.00	67	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\MB1.D Vial: 8
Acq On : 20 Aug 2013 11:00 Operator: RLD-BMS
Sample : 96824,MBS,1 Inst : VMS1
Misc : 5.00g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 11:21 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.84	42	7228	N.D.	
40)	Chloroform	6.89	83	2634	N.D.	
41)	111trichlota	0.00	97	0	N.D.	
42)	Cyclohexane	7.08	56	971	N.D.	
44)	Carbtetraclo	7.25	119	1504	N.D.	
45)	11dicloprope	0.00	110	0	N.D.	
47)	Benzene	7.52	78	2879	N.D.	
48)	12dichlorota	0.00	62	0	N.D.	
49)	TAME	7.71	73	998	N.D.	
50)	Trichloroete	0.00	95	0	N.D.	
51)	methylcyclohexane	0.00	83	0	N.D.	
52)	12dicloropra	8.53	63	704	N.D.	
53)	23Dicl1propene	8.69	75	789	N.D.	
54)	Dibromometha	8.79	93	1058	N.D.	
55)	methylmethacrylate	8.81	69	11139	N.D.	
56)	14dioxane	8.83	88	710	N.D.	
57)	Bromodiclrma	0.00	83	0	N.D.	
58)	c13Dicloproe	9.61	75	620	N.D.	
59)	4Meth2Pentan	9.73	43	4805	N.D.	
61)	Toluene	9.93	92	1287	N.D.	
62)	t13Dicloprop	10.25	75	558	N.D.	
63)	ethylmethacrylate	10.35	69	876	N.D.	
64)	112Triclotha	0.00	83	0	N.D.	
65)	Tetrachlorte	0.00	166	0	N.D.	
66)	13Diclorpropa	10.78	76	796	N.D.	
68)	2Hexanone	9.73	43	4805	N.D.	
69)	Clorodibrmta	0.00	129	0	N.D.	
70)	12Dibrometha	0.00	107	0	N.D.	
71)	Chlorobenzen	11.82	112	1473	N.D.	
72)	1Clhexane	11.79	91	1551	N.D.	
73)	1112Tetclota	11.94	131	565	N.D.	
74)	Ethylbenzene	11.96	91	1712	N.D.	
75)	m p-Xylene	12.10	106	1552	N.D.	
76)	o-Xylene	12.65	106	535	N.D.	
77)	Styrene	12.69	104	2529	N.D.	
78)	Bromoform	0.00	173	0	N.D.	
79)	Isopropylben	13.12	105	1432	N.D.	
81)	cyclohexanone	13.35	55	2616	N.D.	
83)	Bromobenzene	0.00	156	0	N.D.	
84)	1122Tetrclta	13.69	83	720	N.D.	
85)	123Triclproa	13.74	75	1265	N.D.	
86)	n-Propylbenz	13.74	91	947	N.D.	
87)	2chlorotolue	13.88	91	982	N.D.	
88)	4chlorotolue	14.06	91	1709	N.D.	
89)	135Trimebenz	13.99	105	588	N.D.	
90)	tbutylbenzen	14.44	119	559	N.D.	
91)	124Trimetben	14.54	105	1583	N.D.	
92)	sbutylbenzen	14.69	105	551	N.D.	
93)	13Diclorbenz	14.98	146	1105	N.D.	
94)	pIsopropylto	14.98	119	1292	N.D.	
95)	14dichlorobe	15.09	146	1124	N.D.	
96)	12dichlorobe	15.66	146	858	N.D.	
97)	nButylbenzen	15.57	91	1780	N.D.	
98)	12dibromo3cl	0.00	157	0	N.D.	
99)	135Trichlorobenzene	17.00	180	744	N.D.	
100)	124Trichlobe	17.83	180	1444	N.D.	
101)	Hexachlorobu	0.00	225	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\MB1.D Vial: 8
Acq On : 20 Aug 2013 11:00 Operator: RLD-BMS
Sample : 96824,MBS,1 Inst : VMS1
Misc : 5.00g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 11:21 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 08:59:51 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

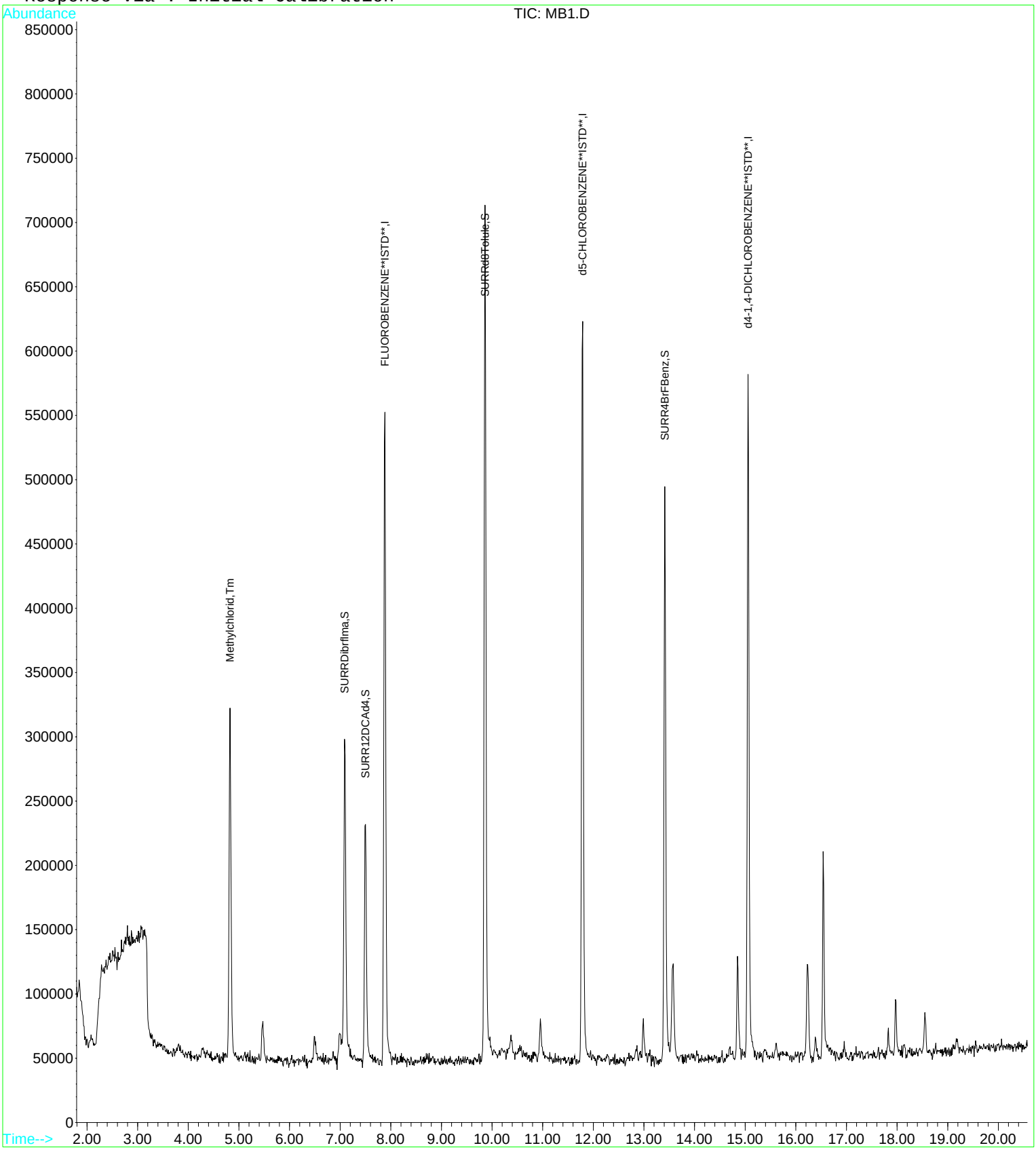
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	5787	N.D.	
103) 123Trichlben	18.46	180	1118	N.D.	

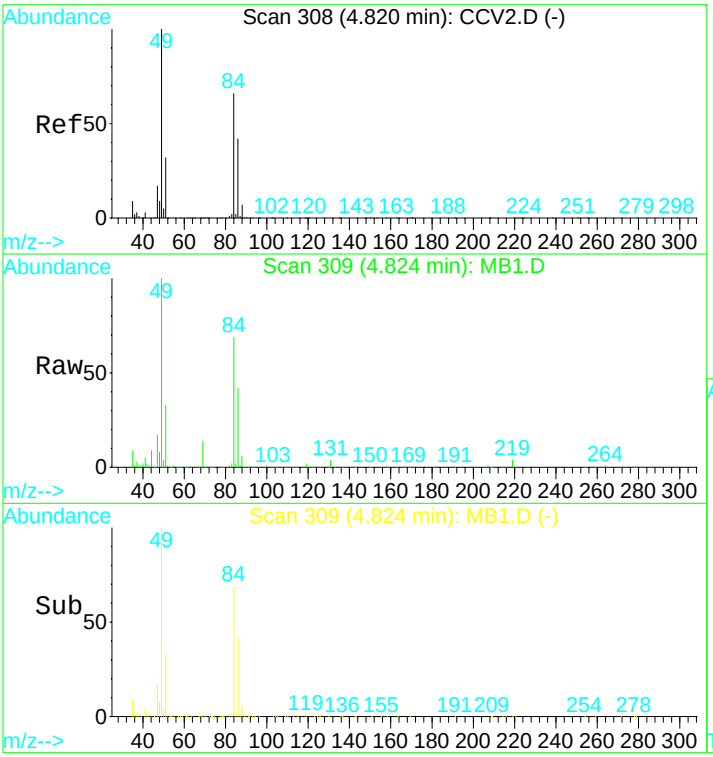
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG2013\MB1.D Vial: 8
Acq On : 20 Aug 2013 11:00 Operator: RLD-BMS
Sample : 96824,MBS,1 Inst : VMS1
Misc : 5.00g, 10.0 mL Purged + ISTD/SSTD Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 20 11:21 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration

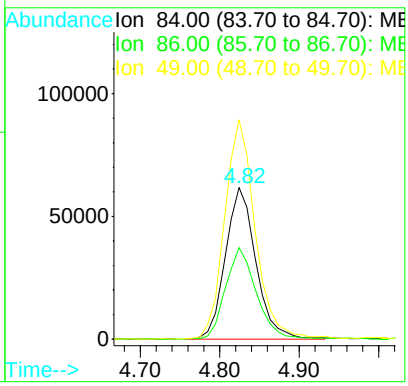




#21
Methylchlorid
Concen: 0.01 mg/kg
RT: 4.82 min Scan# 309
Delta R.T. -0.00 min
Lab File: MB1.D
Acq: 20 Aug 2013 11:00

Tgt Ion: 84 Resp: 164561

Ion	Ratio	Lower	Upper
84	100		
86	60.8	45.7	85.7
49	143.9	146.2	186.2#



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337816MS.D Vial: 31
Acq On : 21 Aug 2013 00:52 Operator: RLD-BMS
Sample : 96824,MSS337816,1 Inst : VMS1
Misc : 6.09g, 0.010/0.10 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 1:13 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.89	96	520020	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.78	117	396869	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	149653	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	190721	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 106 %			
46) SURR12DCAd4	7.49	102	40754	0.018	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 113 %			
60) SURRd8Tolule	9.87	98	506821	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 106 %			
82) SURR4BrFBenz	13.42	95	172250	0.018	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 113 %			
Target Compounds						Qvalue
2) Dichlorodi	1.90	85	226074	0.0098	mg/kg	96
3) Chloromethan	2.16	50	229992	0.0082	mg/kg	98
4) VinylChlorid	2.32	62	214855	0.0079	mg/kg	99
5) Bromomethane	2.82	94	94893	0.0046	mg/kg	99
6) Chloroethane	2.98	64	103582	0.0061	mg/kg	96
7) dichloroflmethane	3.32	67	310256	0.0074	mg/kg	96
8) Trichlorofma	3.35	101	224409	0.0086	mg/kg	99
9) Ethylether	3.82	59	60808	0.0044	mg/kg	99
10) dichlorotfluoroethan	3.32	67	310256	0.0074	mg/kg	99
11) propyleneoxide	3.91	58	165278	0.0509	mg/kg	91
12) Acrolein	4.04	56	61962	0.0218	mg/kg	97
13) 11dichlorthe	4.11	96	122736	0.0082	mg/kg#	84
14) Trichlorotfluoroeth	4.10	101	277798	0.0168	mg/kg	95
15) Acetone	4.27	43	285266	0.0571	mg/kg	91
16) Iodomethane	4.33	142	193978	0.0112	mg/kg	94
17) Carbon Dislf	4.39	76	777931	0.0156	mg/kg	100
18) allylchloride	4.64	76	118069	0.0270	mg/kg#	89
19) Methylacetate	4.70	74	44055	0.0052	mg/kg	99
20) Acetonitrile	4.64	41	384261	0.0682	mg/kg	85
21) Methylchlorid	4.83	84	279934	0.0118	mg/kg	90
22) tbutylalcohol	5.06	59	340268	0.2502	mg/kg	99
23) t12dichlorte	5.17	96	112141	0.0067	mg/kg	94
24) MtBE	5.15	73	167881	0.0043	mg/kg#	94
25) Acrylonitrile	5.20	53	111292	0.0229	mg/kg	96
26) Hexane	5.47	57	394453	0.0199	mg/kg	99
27) 11dichlorota	5.72	63	209633	0.0060	mg/kg	98
28) Vinylacetate	5.78	43	162332	0.0056	mg/kg	84
29) chloroprene	5.82	53	336117	0.0127	mg/kg	96
30) Diisopether	5.78	45	314047	0.0045	mg/kg	98
31) ETBE	6.24	59	229650	0.0044	mg/kg	96
32) 22dichloropr	6.44	77	166685	0.0069	mg/kg	100
33) c12dichlorte	6.49	96	103361	0.0054	mg/kg	98
34) 2Butanone	6.52	72	63693	0.0493	mg/kg	99
35) Ethylacetate	6.58	88	7190	0.0194	mg/kg	97
36) propionitrile	6.63	54	83858	0.0457	mg/kg	94
37) Bromochlorma	6.79	128	40932	0.0048	mg/kg#	80
38) methacrylonitrile	6.80	67	37380	0.0075	mg/kg#	83

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337816MS.D Vial: 31
Acq On : 21 Aug 2013 00:52 Operator: RLD-BMS
Sample : 96824,MSS337816,1 Inst : VMS1
Misc : 6.09g, 0.010/0.10 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 1:13 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.84	42	204874	0.0461 mg/kg	99
40)	Chloroform	6.88	83	163513	0.0051 mg/kg	98
41)	111trichlota	7.07	97	158190	0.0067 mg/kg	93
42)	Cyclohexane	7.10	56	218658	0.0073 mg/kg	97
44)	Carbtetraclo	7.26	119	136404	0.0074 mg/kg	98
45)	11dicloprope	7.27	110	45572	0.0070 mg/kg#	84
47)	Benzene	7.53	78	323620	0.0054 mg/kg	87
48)	12dichlorota	7.60	62	82337	0.0036 mg/kg	98
49)	TAME	7.64	73	173523	0.0042 mg/kg	97
50)	Trichloroete	8.34	95	85599	0.0056 mg/kg	90
51)	methylcyclohexane	8.53	83	179189	0.0074 mg/kg	96
52)	12dicloropra	8.64	63	77899	0.0043 mg/kg	97
53)	23Dicl1propene	8.69	75	106150	0.0042 mg/kg	99
54)	Dibromometha	8.81	93	45651	0.0039 mg/kg	95
55)	methylmethacrylate	8.77	69	43370	0.0065 mg/kg	90
56)	14dioxane	8.82	88	40505	0.3465 mg/kg	94
57)	Bromodiclrma	9.00	83	84345	0.0037 mg/kg	100
58)	c13Dicloproe	9.56	75	76227	0.0031 mg/kg	96
59)	4Meth2Pentan	9.74	43	582805	0.0376 mg/kg	99
61)	Toluene	9.95	92	173832	0.0048 mg/kg	98
62)	t13Dicloprop	10.28	75	50180	0.0026 mg/kg	95
63)	ethylmethacrylate	10.35	69	95749	0.0052 mg/kg	97
64)	112Triclotha	10.52	83	34422	0.0031 mg/kg	95
65)	Tetrachlorte	10.66	166	86696	0.0066 mg/kg	98
66)	13Diclorpropa	10.74	76	70831	0.0031 mg/kg	99
68)	2Hexanone	9.74	43	582805	0.0340 mg/kg	98
69)	Clorodibrmta	11.06	129	42914	0.0027 mg/kg	95
70)	12Dibrometha	11.19	107	38384	0.0027 mg/kg	94
71)	Chlorobenzen	11.83	112	137416	0.0034 mg/kg	97
72)	1Clhexane	11.76	91	125135	0.0055 mg/kg	98
73)	1112Tetclota	11.94	131	57654	0.0037 mg/kg	92
74)	Ethylbenzene	11.95	91	287803	0.0040 mg/kg	95
75)	m p-Xylene	12.11	106	203202	0.0082 mg/kg	90
76)	o-Xylene	12.66	106	88723	0.0035 mg/kg#	87
77)	Styrene	12.70	104	111576	0.0025 mg/kg	97
78)	Bromoform	12.99	173	21607	0.0024 mg/kg	96
79)	Isopropylben	13.16	105	275081	0.0043 mg/kg	95
81)	cyclohexanone	13.36	55	48575	0.1230 mg/kg	83
83)	Bromobenzene	13.63	156	38511	0.0029 mg/kg	93
84)	1122Tetrclta	13.66	83	38248	0.0026 mg/kg	96
85)	123Triclproa	13.71	75	39073	0.0029 mg/kg	86
86)	n-Propylbenz	13.74	91	288129	0.0046 mg/kg	95
87)	2chlorotolue	13.89	91	118062	0.0033 mg/kg	92
88)	4chlorotolue	14.05	91	125291	0.0032 mg/kg	97
89)	135Trimebenz	13.99	105	170904	0.0044 mg/kg	94
90)	tbutylbenzen	14.45	119	178557	0.0055 mg/kg	94
91)	124Trimetben	14.53	105	134277	0.0035 mg/kg	97
92)	sbutylbenzen	14.76	105	277111	0.0052 mg/kg	98
93)	13Diclorbenz	14.97	146	54708	0.0023 mg/kg	94
94)	pIsopropylto	14.98	119	181641	0.0044 mg/kg	93
95)	14dichlorobe	15.10	146	56368	0.0024 mg/kg	96
96)	12dichlorobe	15.65	146	41784	0.0019 mg/kg	98
97)	nButylbenzen	15.57	91	155861	0.0037 mg/kg	96
98)	12dibromo3cl	16.77	157	4929	0.0022 mg/kg	90
99)	135Trichlorobenzene	17.02	180	25471	0.0016 mg/kg	93
100)	124Trichlobe	17.83	180	16035	0.0012 mg/kg	88
101)	Hexachlorobu	18.02	225	32918	0.0032 mg/kg	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337816MS.D Vial: 31
Acq On : 21 Aug 2013 00:52 Operator: RLD-BMS
Sample : 96824,MSS337816,1 Inst : VMS1
Misc : 6.09g, 0.010/0.10 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 1:13 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

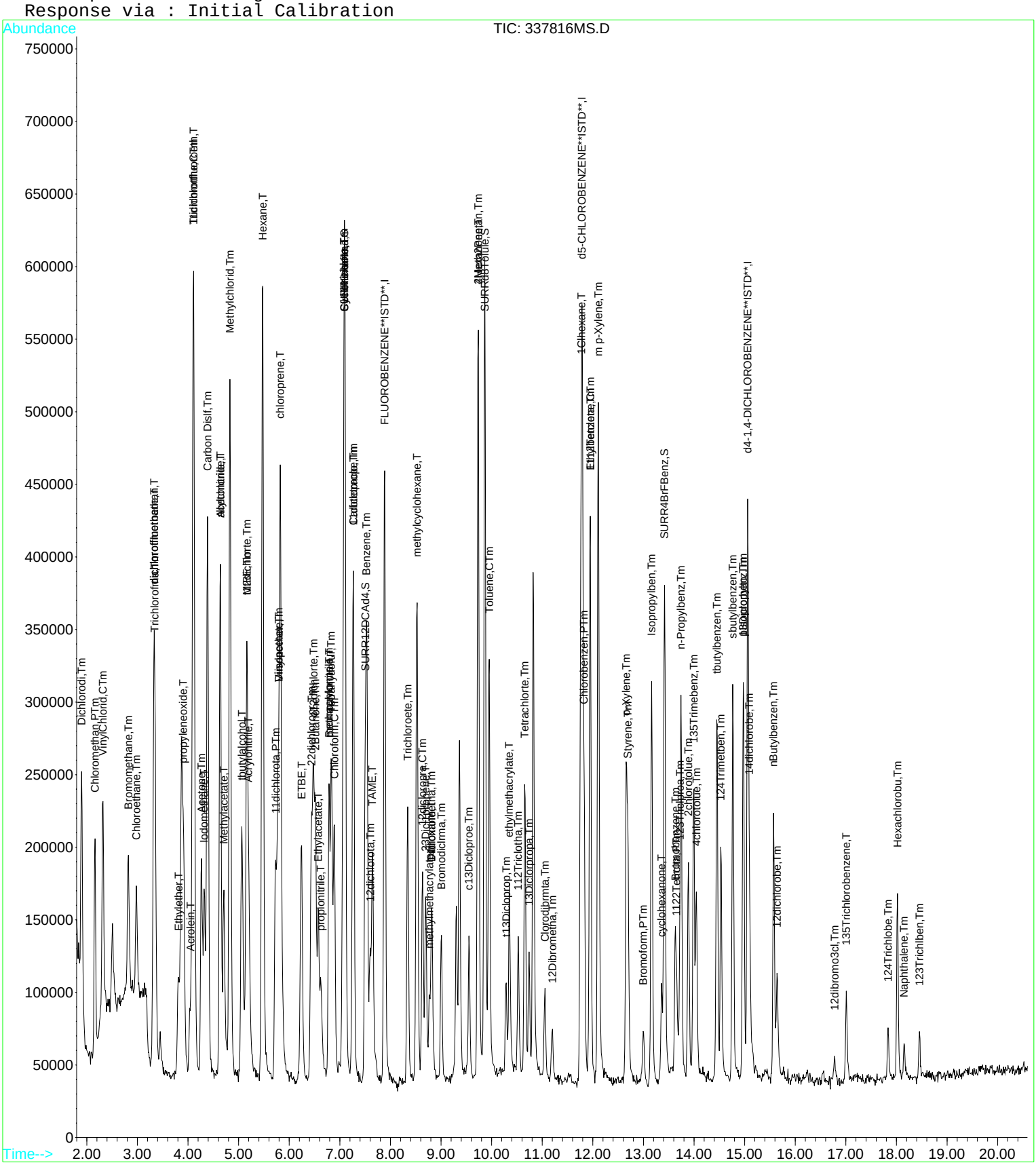
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.16	128	27190	0.0011 mg/kg	98
103) 123Trichlben	18.45	180	11800	0.0010 mg/kg	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG2013\337816MS.D Vial: 31
Acq On : 21 Aug 2013 00:52 Operator: RLD-BMS
Sample : 96824,MSS337816,1 Inst : VMS1
Misc : 6.09g, 0.010/0.10 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 1:13 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337816SD.D Vial: 32
Acq On : 21 Aug 2013 1:21 Operator: RLD-BMS
Sample : 96824,MSDS337816,1 Inst : VMS1
Misc : 6.22g, 0.010/0.10 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 1:42 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.89	96	468085	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	341530	0.02	mg/kg	0.01 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	138596	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.09	113	172371	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 106 %			
46) SURR12DCAd4	7.50	102	35391	0.018	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 113 %			
60) SURRd8Tolule	9.87	98	446262	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.42	95	156074	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 106 %			
Target Compounds						Qvalue
2) Dichlorodi	1.90	85	229578	0.0111	mg/kg	95
3) Chloromethan	2.16	50	223794	0.0088	mg/kg	98
4) VinylChlorid	2.31	62	219833	0.0090	mg/kg	100
5) Bromomethane	2.82	94	98466	0.0052	mg/kg	97
6) Chloroethane	2.98	64	101147	0.0066	mg/kg	98
7) dichloroflmethane	3.32	67	303088	0.0080	mg/kg	93
8) Trichlorofma	3.34	101	231785	0.0099	mg/kg	99
9) Ethylether	3.81	59	55409	0.0044	mg/kg	97
10) dichlorotfluoroethan	3.32	67	303088	0.0080	mg/kg	99
11) propyleneoxide	3.91	58	136999	0.0469	mg/kg	90
12) Acrolein	4.03	56	54360	0.0212	mg/kg	95
13) 11dichlorthe	4.11	96	130278	0.0096	mg/kg#	80
14) Trichlorotfluoroeth	4.10	101	296981	0.0200	mg/kg	96
15) Acetone	4.27	43	251844	0.0560	mg/kg	92
16) Iodomethane	4.33	142	191806	0.0123	mg/kg	94
17) Carbon Dislf	4.39	76	772381	0.0172	mg/kg	99
18) allylchloride	4.64	76	116252	0.0295	mg/kg#	87
19) Methylacetate	4.71	74	35505	0.0047	mg/kg	96
20) Acetonitrile	4.64	41	367187	0.0724	mg/kg	86
21) Methylchlorid	4.83	84	268693	0.0126	mg/kg	91
22) tbutylalcohol	5.06	59	350286	0.2862	mg/kg	97
23) t12dichlorte	5.17	96	107690	0.0072	mg/kg	96
24) MtBE	5.15	73	140748	0.0040	mg/kg#	89
25) Acrylonitrile	5.20	53	95982	0.0220	mg/kg	95
26) Hexane	5.48	57	437119	0.0245	mg/kg	99
27) 11dichlorota	5.73	63	199542	0.0063	mg/kg	98
28) Vinylacetate	5.78	43	116756	0.0044	mg/kg	86
29) chloroprene	5.83	53	334250	0.0140	mg/kg	94
30) Diisopether	5.78	45	277054	0.0044	mg/kg	97
31) ETBE	6.24	59	186086	0.0039	mg/kg	96
32) 22dichloropr	6.44	77	169695	0.0078	mg/kg	98
33) c12dichlorte	6.48	96	90987	0.0053	mg/kg	97
34) 2Butanone	6.52	72	53462	0.0460	mg/kg	91
35) Ethylacetate	6.58	88	6110	0.0183	mg/kg#	91
36) propionitrile	6.63	54	75054	0.0454	mg/kg	94
37) Bromochlorma	6.79	128	34974	0.0046	mg/kg#	83
38) methacrylonitrile	6.79	67	32547	0.0073	mg/kg#	88

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337816SD.D Vial: 32
Acq On : 21 Aug 2013 1:21 Operator: RLD-BMS
Sample : 96824,MSDS337816,1 Inst : VMS1
Misc : 6.22g, 0.010/0.10 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 1:42 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
39)	Tetrahydofur	6.84	42	162154	0.0406	mg/kg	93
40)	Chloroform	6.89	83	149606	0.0052	mg/kg	97
41)	111trichlota	7.07	97	164097	0.0077	mg/kg	95
42)	Cyclohexane	7.10	56	238008	0.0089	mg/kg	98
44)	Carbtetraclo	7.26	119	140775	0.0085	mg/kg	99
45)	11dicloprope	7.27	110	45416	0.0077	mg/kg#	87
47)	Benzene	7.53	78	311652	0.0057	mg/kg	92
48)	12dichlorota	7.60	62	70637	0.0034	mg/kg	95
49)	TAME	7.65	73	143509	0.0038	mg/kg	96
50)	Trichloroete	8.34	95	79871	0.0058	mg/kg	92
51)	methylcyclohexane	8.53	83	191131	0.0088	mg/kg	95
52)	12dicloropra	8.64	63	66686	0.0041	mg/kg	98
53)	23Dicl1propene	8.69	75	89618	0.0040	mg/kg	95
54)	Dibromometha	8.81	93	36394	0.0035	mg/kg	93
55)	methylmethacrylate	8.76	69	36205	0.0061	mg/kg	89
56)	14dioxane	8.82	88	45082	0.4284	mg/kg	91
57)	Bromodiclrma	9.01	83	68413	0.0034	mg/kg	98
58)	c13Dicloproe	9.55	75	59284	0.0027	mg/kg	96
59)	4Meth2Pentan	9.74	43	485801	0.0348	mg/kg	99
61)	Toluene	9.95	92	164838	0.0051	mg/kg	97
62)	t13Dicloprop	10.29	75	37709	0.0022	mg/kg	94
63)	ethylmethacrylate	10.36	69	73476	0.0044	mg/kg	97
64)	112Triclotha	10.52	83	27248	0.0028	mg/kg	94
65)	Tetrachlorte	10.65	166	85608	0.0072	mg/kg	98
66)	13Diclorpropa	10.74	76	57439	0.0028	mg/kg	99
68)	2Hexanone	9.74	43	489326	0.0331	mg/kg	100
69)	Clorodibrmta	11.06	129	34776	0.0026	mg/kg	94
70)	12Dibrometha	11.19	107	29748	0.0024	mg/kg	93
71)	Chlorobenzen	11.83	112	106394	0.0030	mg/kg	97
72)	1Clhexane	11.76	91	126071	0.0064	mg/kg	99
73)	1112Tetclota	11.95	131	43049	0.0032	mg/kg	96
74)	Ethylbenzene	11.95	91	257178	0.0042	mg/kg	95
75)	m p-Xylene	12.11	106	180079	0.0084	mg/kg	89
76)	o-Xylene	12.66	106	72818	0.0033	mg/kg	90
77)	Styrene	12.70	104	88090	0.0023	mg/kg	99
78)	Bromoform	13.00	173	16321	0.0021	mg/kg	95
79)	Isopropylben	13.16	105	250147	0.0045	mg/kg	96
81)	cyclohexanone	13.36	55	53294	0.1458	mg/kg	84
83)	Bromobenzene	13.63	156	26317	0.0022	mg/kg	95
84)	1122Tetrclta	13.66	83	29312	0.0021	mg/kg	96
85)	123Triclproa	13.72	75	29351	0.0023	mg/kg	89
86)	n-Propylbenz	13.74	91	264922	0.0046	mg/kg	97
87)	2chlorotolue	13.89	91	97186	0.0030	mg/kg	95
88)	4chlorotolue	14.05	91	96989	0.0026	mg/kg	94
89)	135Trimebenz	14.00	105	143311	0.0040	mg/kg	94
90)	tbutylbenzen	14.46	119	162116	0.0053	mg/kg	96
91)	124Trimetben	14.53	105	109277	0.0030	mg/kg	96
92)	sbutylbenzen	14.77	105	250257	0.0050	mg/kg	96
93)	13Diclorbenz	14.97	146	40630	0.0019	mg/kg	97
94)	pIsopropylto	14.98	119	163656	0.0043	mg/kg	96
95)	14dichlorobe	15.10	146	39657	0.0018	mg/kg	96
96)	12dichlorobe	15.64	146	30540	0.0015	mg/kg	98
97)	nButylbenzen	15.57	91	136615	0.0035	mg/kg	98
98)	12dibromo3cl	16.78	157	3530	0.0017	mg/kg	83
99)	135Trichlorobenzene	17.02	180	21004	0.0014	mg/kg	95
100)	124Trichlobe	17.84	180	10464	0.0009	mg/kg	92
101)	Hexachlorobu	18.02	225	29339	0.0031	mg/kg	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\337816SD.D Vial: 32
Acq On : 21 Aug 2013 1:21 Operator: RLD-BMS
Sample : 96824,MSDS337816,1 Inst : VMS1
Misc : 6.22g, 0.010/0.10 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 1:42 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

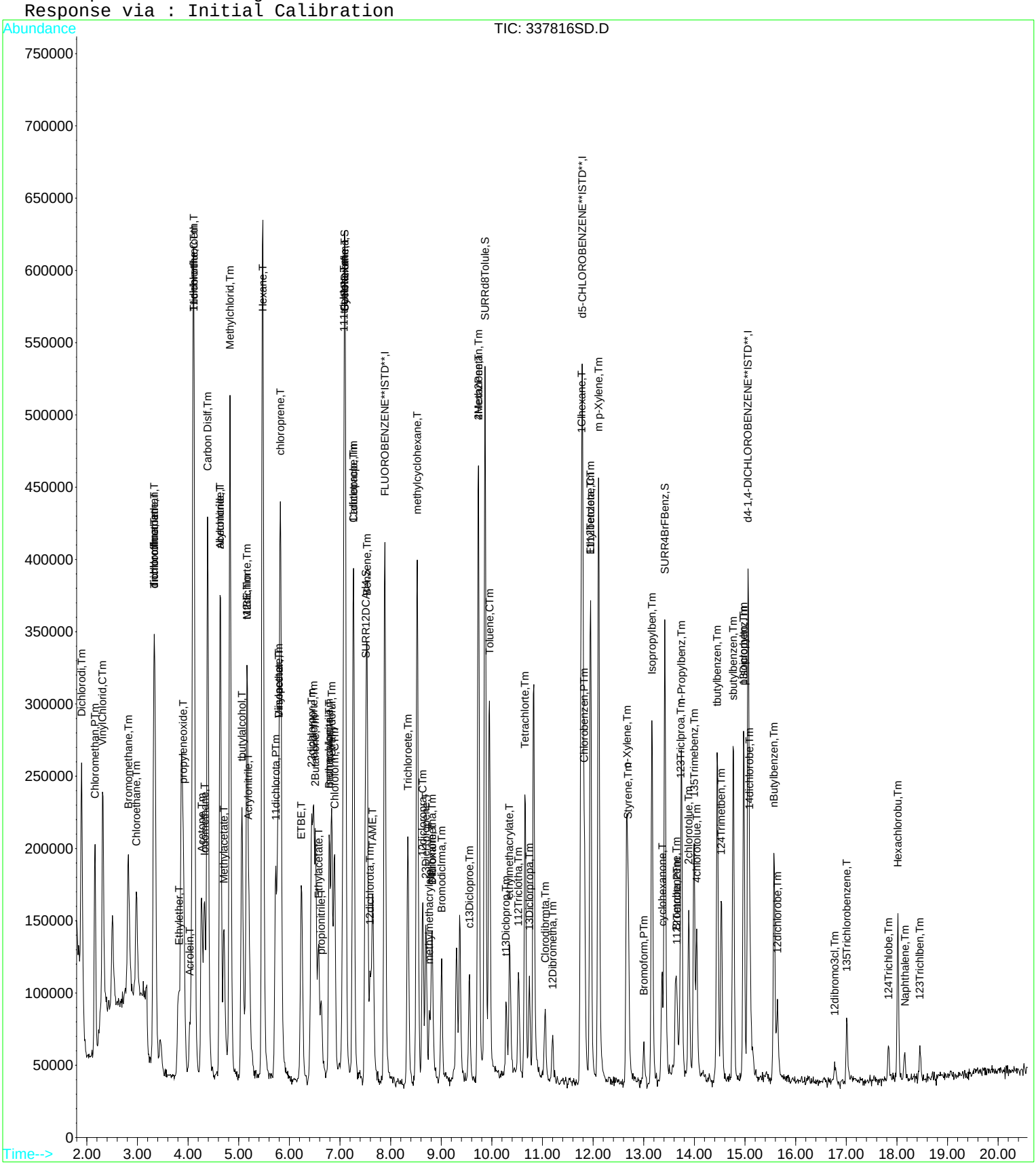
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
102) Naphthalene	18.16	128	18898	0.0008	mg/kg	97
103) 123Trichlben	18.45	180	9053	0.0008	mg/kg	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG2013\337816SD.D Vial: 32
Acq On : 21 Aug 2013 1:21 Operator: RLD-BMS
Sample : 96824,MSDS337816,1 Inst : VMS1
Misc : 6.22g, 0.010/0.10 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 1:42 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\MRL2.D Vial: 34
Acq On : 21 Aug 2013 2:19 Operator: RLD-BMS
Sample : 96824,MRLS,1 Inst : VMS1
Misc : 5.0g, 0.002/0.020 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 2:39 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.88	96	519804	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	393969	0.02	mg/kg	0.00 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.07	152	177713	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.10	113	181592	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
46) SURR12DCAd4	7.51	102	35925	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
60) SURRd8Tolule	9.87	98	501237	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 100 %			
82) SURR4BrFBenz	13.41	95	184927	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 100 %			
Target Compounds						Qvalue
2) Dichlorodi	1.90	85	53755	0.0023	mg/kg	95
3) Chloromethan	2.16	50	58393	0.0021	mg/kg	97
4) VinylChlorid	2.32	62	48715	0.0018	mg/kg	98
5) Bromomethane	2.82	94	31738	0.0015	mg/kg	82
6) Chloroethane	2.98	64	22966	0.0013	mg/kg#	58
7) dichloroflmethane	3.32	67	78164	0.0019	mg/kg	87
8) Trichlorofma	3.35	101	52719	0.0020	mg/kg	98
9) Ethylether	3.81	59	24631	0.0018	mg/kg	89
10) dichlorotfluoroethan	3.32	67	78164	0.0019	mg/kg	99
11) propyleneoxide	3.92	58	69339	0.0214	mg/kg	89
12) Acrolein	4.05	56	24816	0.0087	mg/kg	92
13) 11dichlorthe	4.11	96	30876	0.0021	mg/kg#	82
14) Trichlorotfluoroeth	4.11	101	61078	0.0037	mg/kg	96
15) Acetone	4.26	43	102206	0.0205	mg/kg	88
16) Iodomethane	4.32	142	49081	0.0029	mg/kg	94
17) Carbon Dislf	4.39	76	205888	0.0041	mg/kg	97
18) allylchloride	4.64	76	34162	0.0078	mg/kg#	88
19) Methylacetate	4.71	74	17260	0.0021	mg/kg	100
20) Acetonitrile	4.64	41	111601	0.0198	mg/kg	85
21) Methylchlorid	4.83	84	200389	0.0084	mg/kg#	88
22) tbutylalcohol	5.06	59	131229	0.0965	mg/kg	99
23) t12dichlorte	5.18	96	31514	0.0019	mg/kg	99
24) MtBE	5.15	73	69807	0.0018	mg/kg#	93
25) Acrylonitrile	5.22	53	43191	0.0089	mg/kg	99
26) Hexane	5.47	57	109652	0.0055	mg/kg	98
27) 11dichlorota	5.73	63	66331	0.0019	mg/kg	100
28) Vinylacetate	5.81	43	281507	0.0096	mg/kg	99
29) chloroprene	5.82	53	86220	0.0033	mg/kg	94
30) Diisopether	5.78	45	129585	0.0019	mg/kg	98
31) ETBE	6.24	59	93265	0.0018	mg/kg	99
32) 22dichloropr	6.45	77	42914	0.0018	mg/kg	97
33) c12dichlorte	6.49	96	34900	0.0018	mg/kg	92
34) 2Butanone	6.53	72	24430	0.0189	mg/kg	91
35) Ethylacetate	6.58	88	3952	0.0107	mg/kg#	81
36) propionitrile	6.63	54	33411	0.0182	mg/kg	96
37) Bromochlorma	6.79	128	17258	0.0020	mg/kg#	85
38) methacrylonitrile	6.80	67	17617	0.0035	mg/kg	95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\MRL2.D Vial: 34
Acq On : 21 Aug 2013 2:19 Operator: RLD-BMS
Sample : 96824,MRLS,1 Inst : VMS1
Misc : 5.0g, 0.002/0.020 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 2:39 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39)	Tetrahydofur	6.84	42	89649	0.0202 mg/kg	97
40)	Chloroform	6.89	83	59719	0.0019 mg/kg	94
41)	111trichlota	7.07	97	41196	0.0017 mg/kg	97
42)	Cyclohexane	7.10	56	51231	0.0017 mg/kg	96
44)	Carbtetraclo	7.26	119	35089	0.0019 mg/kg	96
45)	11dicloprope	7.26	110	11573	0.0018 mg/kg	96
47)	Benzene	7.54	78	110762	0.0018 mg/kg#	48
48)	12dichlorota	7.60	62	35422	0.0015 mg/kg	91
49)	TAME	7.65	73	74525	0.0018 mg/kg	96
50)	Trichloroete	8.35	95	30644	0.0020 mg/kg	98
51)	methylcyclohexane	8.53	83	41543	0.0017 mg/kg	98
52)	12dicloropra	8.64	63	34246	0.0019 mg/kg	88
53)	23Dicl1propene	8.70	75	42195	0.0017 mg/kg	99
54)	Dibromometha	8.81	93	21010	0.0018 mg/kg	91
55)	methylmethacrylate	8.77	69	24399	0.0038 mg/kg	77
56)	14dioxane	8.83	88	12766	0.1092 mg/kg	84
57)	Bromodiclrma	9.01	83	38436	0.0017 mg/kg	97
58)	c13Dicloproe	9.56	75	37500	0.0015 mg/kg	96
59)	4Meth2Pentan	9.73	43	283293	0.0183 mg/kg	99
61)	Toluene	9.96	92	71366	0.0020 mg/kg	96
62)	t13Dicloprop	10.29	75	31961	0.0017 mg/kg	96
63)	ethylmethacrylate	10.35	69	74158	0.0040 mg/kg	88
64)	112Triclotha	10.53	83	20032	0.0018 mg/kg	97
65)	Tetrachlorte	10.66	166	27003	0.0020 mg/kg	95
66)	13Diclorpropa	10.75	76	41491	0.0018 mg/kg	89
68)	2Hexanone	9.73	43	283293	0.0166 mg/kg	99
69)	Clorodibrmta	11.05	129	27193	0.0017 mg/kg	96
70)	12Dibrometha	11.20	107	22865	0.0016 mg/kg	98
71)	Chlorobenzen	11.83	112	76280	0.0019 mg/kg	97
72)	1Clhexane	11.76	91	40415	0.0018 mg/kg	90
73)	1112Tetclota	11.95	131	31180	0.0020 mg/kg	88
74)	Ethylbenzene	11.96	91	121867	0.0017 mg/kg	96
75)	m p-Xylene	12.11	106	84970	0.0034 mg/kg	97
76)	o-Xylene	12.67	106	42454	0.0017 mg/kg	91
77)	Styrene	12.69	104	70562	0.0016 mg/kg	99
78)	Bromoform	13.00	173	16216	0.0018 mg/kg	95
79)	Isopropylben	13.16	105	109675	0.0017 mg/kg	97
81)	cyclohexanone	13.36	55	19664	0.0419 mg/kg#	79
83)	Bromobenzene	13.63	156	30152	0.0019 mg/kg	93
84)	1122Tetrclta	13.66	83	28691	0.0016 mg/kg	94
85)	123Triclproa	13.72	75	28640	0.0018 mg/kg	96
86)	n-Propylbenz	13.75	91	125474	0.0017 mg/kg	93
87)	2chlorotolue	13.89	91	72542	0.0017 mg/kg	91
88)	4chlorotolue	14.04	91	83840	0.0018 mg/kg	95
89)	135Trimebenz	13.99	105	84509	0.0018 mg/kg	96
90)	tbutylbenzen	14.46	119	75329	0.0019 mg/kg	95
91)	124Trimetben	14.53	105	81416	0.0018 mg/kg	94
92)	sbutylbenzen	14.77	105	114261	0.0018 mg/kg	99
93)	13Diclorbenz	14.97	146	49743	0.0018 mg/kg	95
94)	pIsopropylto	14.98	119	81667	0.0017 mg/kg	96
95)	14dichlorobe	15.09	146	51734	0.0019 mg/kg	97
96)	12dichlorobe	15.65	146	45794	0.0018 mg/kg	98
97)	nButylbenzen	15.58	91	78484	0.0016 mg/kg	96
98)	12dibromo3cl	16.79	157	4167	0.0016 mg/kg	91
99)	135Trichlorobenzene	17.01	180	31796	0.0017 mg/kg	91
100)	124Trichlobe	17.84	180	27886	0.0018 mg/kg	96
101)	Hexachlorobu	18.02	225	17802	0.0015 mg/kg	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\MRL2.D Vial: 34
Acq On : 21 Aug 2013 2:19 Operator: RLD-BMS
Sample : 96824,MRLS,1 Inst : VMS1
Misc : 5.0g, 0.002/0.020 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 2:39 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

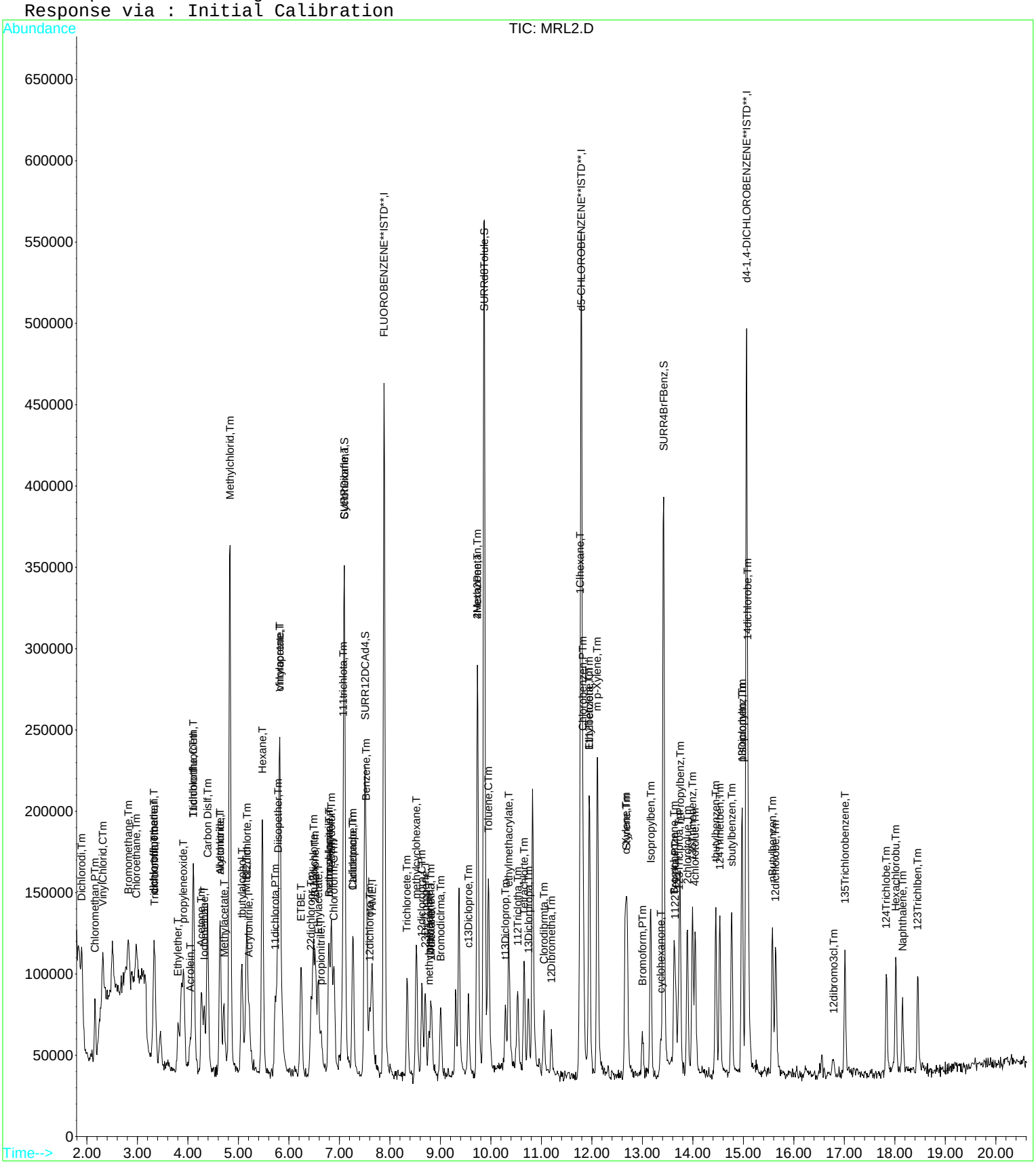
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.15	128	49691	0.0017 mg/kg	94
103) 123Trichlben	18.46	180	26497	0.0018 mg/kg	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG2013\MRL2.D Vial: 34
Acq On : 21 Aug 2013 2:19 Operator: RLD-BMS
Sample : 96824,MRLS,1 Inst : VMS1
Misc : 5.0g, 0.002/0.020 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 2:39 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\MDL1.D Vial: 35
Acq On : 21 Aug 2013 2:49 Operator: RLD-BMS
Sample : 96824,MDLS,1 Inst : VMS1
Misc : 5.0g, 0.001/0.010 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 3:10 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) FLUOROBENZENE**ISTD**	7.89	96	447624	0.02	mg/kg	0.00 NA%
67) d5-CHLOROBENZENE**ISTD**	11.79	117	344295	0.02	mg/kg	0.01 NA%
80) d4-1,4-DICHLOROBENZENE**IS	15.06	152	153679	0.02	mg/kg	0.00 NA%
System Monitoring Compounds						
43) SURRDibrflma	7.10	113	159608	0.016	mg/kg	0.01
Spiked Amount 0.016	Range 70 - 130		Recovery = 100 %			
46) SURR12DCAd4	7.50	102	33760	0.018	mg/kg	0.00
Spiked Amount 0.016	Range 70 - 130		Recovery = 113 %			
60) SURRd8Tolule	9.86	98	443992	0.017	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 115		Recovery = 106 %			
82) SURR4BrFBenz	13.42	95	161304	0.016	mg/kg	0.00
Spiked Amount 0.016	Range 85 - 120		Recovery = 100 %			
Target Compounds						Qvalue
2) Dichlorodi	1.90	85	32998	0.0017	mg/kg	96
3) Chloromethan	2.16	50	28045	0.0012	mg/kg	96
4) VinylChlorid	2.32	62	21656	0.0009	mg/kg	66
5) Bromomethane	2.81	94	15745	0.0009	mg/kg	88
6) Chloroethane	2.98	64	11121	0.0008	mg/kg#	63
7) dichloroflmethane	3.33	67	34708	0.0010	mg/kg	93
8) Trichlorofma	3.35	101	24613	0.0011	mg/kg	94
9) Ethylether	3.80	59	9658	0.0008	mg/kg#	78
10) dichlorotfluoroethan	3.33	67	34708	0.0010	mg/kg#	97
11) propyleneoxide	3.92	58	27221	0.0097	mg/kg	92
12) Acrolein	4.04	56	10949	0.0045	mg/kg	94
13) 11dichlorthe	4.11	96	13561	0.0010	mg/kg	89
14) Trichlorotfluoroeth	4.11	101	25371	0.0018	mg/kg	92
15) Acetone	4.28	43	42354	0.0099	mg/kg	88
16) Iodomethane	4.32	142	19485	0.0013	mg/kg	95
17) Carbon Dislf	4.38	76	92600	0.0022	mg/kg	97
18) allylchloride	4.64	76	15071	0.0040	mg/kg#	90
19) Methylacetate	4.72	74	6782	0.0009	mg/kg	80
20) Acetonitrile	4.64	41	49761	0.0103	mg/kg	90
21) Methylchlorid	4.83	84	169213	0.0082	mg/kg	92
22) tbutylalcohol	5.07	59	49308	0.0421	mg/kg	96
23) t12dichlorte	5.17	96	14834	0.0010	mg/kg	91
24) MtBE	5.16	73	25404	0.0008	mg/kg	73
25) Acrylonitrile	5.23	53	17760	0.0042	mg/kg	93
26) Hexane	5.48	57	68509	0.0040	mg/kg	98
27) 11dichlorota	5.73	63	29918	0.0010	mg/kg	99
28) Vinylacetate	5.82	43	85988	0.0034	mg/kg	97
29) chloroprene	5.83	53	39136	0.0017	mg/kg	96
30) Diisopether	5.78	45	49845	0.0008	mg/kg	95
31) ETBE	6.24	59	37900	0.0008	mg/kg	94
32) 22dichloropr	6.44	77	18858	0.0009	mg/kg	87
33) c12dichlorte	6.48	96	16963	0.0010	mg/kg	94
34) 2Butanone	6.54	72	8266	0.0074	mg/kg	96
35) Ethylacetate	6.61	88	1418	0.0044	mg/kg#	79
36) propionitrile	6.65	54	13570	0.0086	mg/kg	91
37) Bromochlorma	6.80	128	6540	0.0009	mg/kg#	84
38) methacrylonitrile	6.81	67	8583	0.0020	mg/kg#	1

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\MDL1.D Vial: 35
Acq On : 21 Aug 2013 2:49 Operator: RLD-BMS
Sample : 96824,MDLS,1 Inst : VMS1
Misc : 5.0g, 0.001/0.010 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 3:10 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
39) Tetrahydofur	6.84	42	31034	0.0081 mg/kg	83
40) Chloroform	6.88	83	23447	0.0008 mg/kg	92
41) 111trichlota	7.07	97	17221	0.0008 mg/kg	91
42) Cyclohexane	7.10	56	20338	0.0008 mg/kg	92
44) Carbtetraclo	7.26	119	15998	0.0010 mg/kg	93
45) 11dicloprope	7.28	110	5733	0.0010 mg/kg#	89
47) Benzene	7.54	78	50843	0.0010 mg/kg#	1
48) 12dichlorota	7.60	62	14827	0.0007 mg/kg	98
49) TAME	7.64	73	32443	0.0009 mg/kg	93
50) Trichloroete	8.34	95	12157	0.0009 mg/kg#	85
51) methylcyclohexane	8.53	83	19636	0.0009 mg/kg	92
52) 12dicloropra	8.64	63	13979	0.0009 mg/kg	88
53) 23Dicl1propene	8.71	75	15642	0.0007 mg/kg	91
54) Dibromometha	8.81	93	9821	0.0010 mg/kg	91
55) methylmethacrylate	8.77	69	14710	0.0027 mg/kg	92
56) 14dioxane	8.85	88	4236	0.0421 mg/kg#	82
57) Bromodiclrma	9.01	83	16126	0.0008 mg/kg	97
58) c13Dicloproe	9.56	75	16353	0.0008 mg/kg	96
59) 4Meth2Pentan	9.74	43	117471	0.0088 mg/kg	98
61) Toluene	9.95	92	30138	0.0010 mg/kg	95
62) t13Dicloprop	10.29	75	11959	0.0007 mg/kg	97
63) ethylmethacrylate	10.37	69	33744	0.0021 mg/kg	82
64) 112Triclotha	10.53	83	7740	0.0008 mg/kg#	79
65) Tetrachlorte	10.66	166	12801	0.0011 mg/kg	94
66) 13Diclorpropa	10.74	76	16597	0.0008 mg/kg	92
68) 2Hexanone	9.74	43	117398	0.0079 mg/kg	98
69) Clorodibrmta	11.04	129	11033	0.0008 mg/kg#	77
70) 12Dibrometha	11.20	107	10129	0.0008 mg/kg	96
71) Chlorobenzen	11.83	112	31806	0.0009 mg/kg	89
72) 1Clhexane	11.76	91	19419	0.0010 mg/kg	95
73) 1112Tetclota	11.95	131	14070	0.0011 mg/kg	80
74) Ethylbenzene	11.95	91	51329	0.0008 mg/kg	95
75) m p-Xylene	12.11	106	40205	0.0019 mg/kg#	86
76) o-Xylene	12.66	106	21046	0.0010 mg/kg#	76
77) Styrene	12.70	104	31302	0.0008 mg/kg	97
78) Bromoform	13.00	173	6982	0.0009 mg/kg	87
79) Isopropylben	13.16	105	49208	0.0009 mg/kg	94
81) cyclohexanone	13.37	55	8057	0.0199 mg/kg#	1
83) Bromobenzene	13.63	156	13149	0.0010 mg/kg	94
84) 1122Tetrclta	13.67	83	12229	0.0008 mg/kg	97
85) 123Triclproa	13.73	75	10778	0.0008 mg/kg	94
86) n-Propylbenz	13.75	91	56031	0.0009 mg/kg	92
87) 2chlorotolue	13.90	91	30482	0.0008 mg/kg	94
88) 4chlorotolue	14.04	91	35743	0.0009 mg/kg	94
89) 135Trimebenz	14.00	105	35106	0.0009 mg/kg	86
90) tbutylbenzen	14.45	119	31711	0.0009 mg/kg	94
91) 124Trimetben	14.54	105	36026	0.0009 mg/kg	92
92) sbutylbenzen	14.77	105	51154	0.0009 mg/kg	98
93) 13Diclorbenz	14.97	146	22115	0.0009 mg/kg	95
94) pIsopropylto	14.98	119	37356	0.0009 mg/kg	98
95) 14dichlorobe	15.10	146	22440	0.0009 mg/kg	85
96) 12dichlorobe	15.65	146	19818	0.0009 mg/kg	97
97) nButylbenzen	15.57	91	36556	0.0009 mg/kg	94
98) 12dibromo3cl	16.76	157	2305	0.0010 mg/kg#	72
99) 135Trichlorobenzene	17.01	180	14999	0.0009 mg/kg	96
100) 124Trichlobe	17.83	180	11627	0.0009 mg/kg	94
101) Hexachlorobu	18.02	225	8753	0.0008 mg/kg	91

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\DATA\AUG2013\MDL1.D Vial: 35
Acq On : 21 Aug 2013 2:49 Operator: RLD-BMS
Sample : 96824,MDLS,1 Inst : VMS1
Misc : 5.0g, 0.001/0.010 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 3:10 2013 Quant Results File: LS081913.RES

Quant Method : C:\INSTARCH\V...\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Tue Aug 20 22:40:38 2013
Response via : Initial Calibration
DataAcq Meth : LS081913

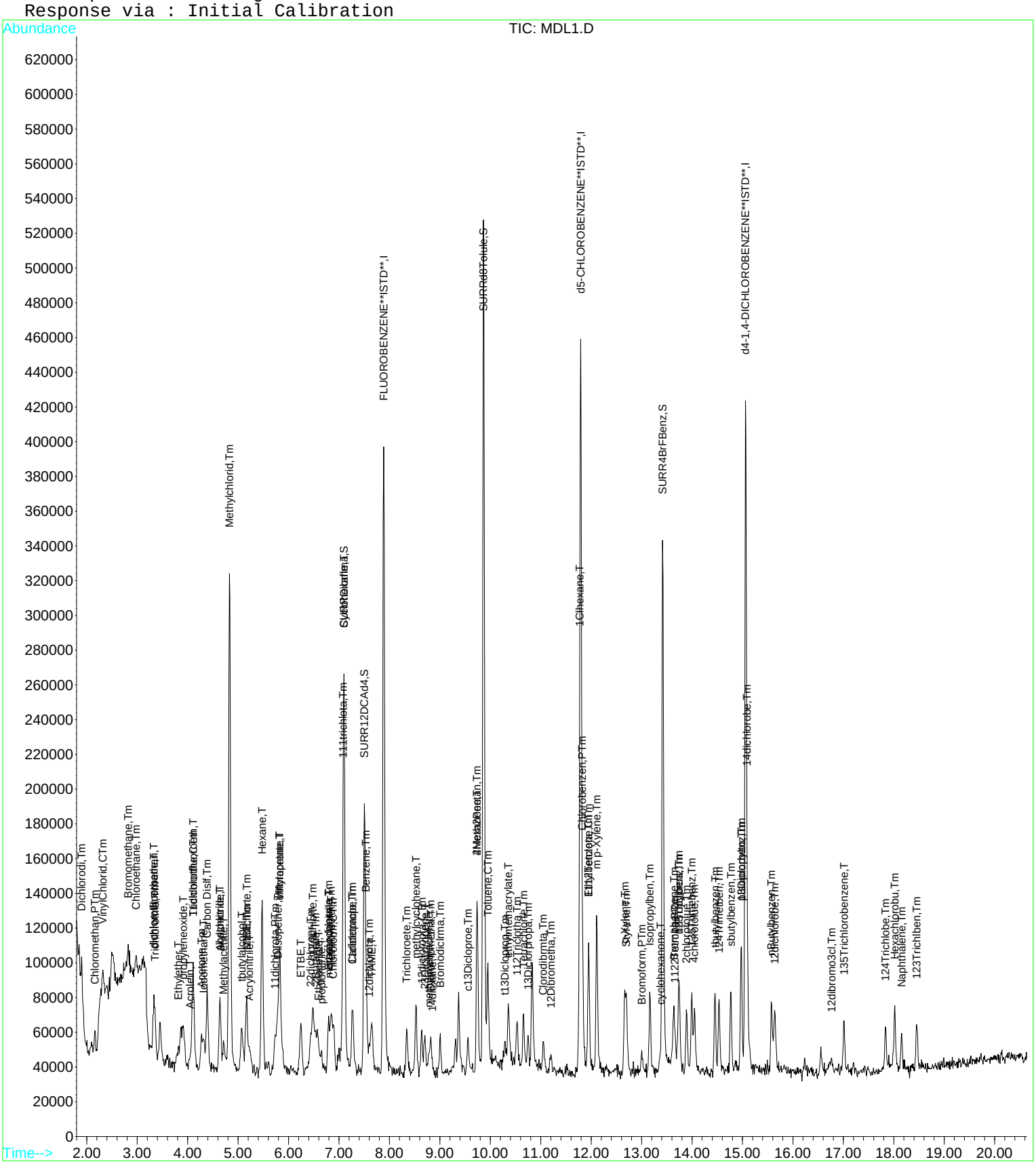
Compound	R.T.	QIon	Response	Conc Unit	Qvalue
102) Naphthalene	18.16	128	23592	0.0009 mg/kg	97
103) 123Trichlben	18.45	180	11742	0.0009 mg/kg	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\DATA\AUG2013\MDL1.D Vial: 35
Acq On : 21 Aug 2013 2:49 Operator: RLD-BMS
Sample : 96824,MDLS,1 Inst : VMS1
Misc : 5.0g, 0.001/0.010 mg/kg, 10 mL Purged + Multiplr: 1.00
MS Integration Params: VOC.P
Quant Time: Aug 21 3:10 2013 Quant Results File: LS081913.RES

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Last Update : Thu Aug 22 10:33:13 2013
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
LOGBOOK
DOCUMENTS

V 8260 QSM LL SOIL Analytical Run # 96824 on 8/23/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
	340067						V 8260 QSM LL SOIL				
				BFB				0			
	340120						V 8260 QSM LL SOIL				
				CCV				0			
	339694						VOC 8260 QSM LL				
				LCSS				45499			
	342194						V 8260 QSM LL SOIL				
				MRLS							
	339693						VOC 8260 QSM LL				
				MBS				45499			
99211	337835	083SB-0016-0001-TB	8/12/2013 0800		ECC	RVAAP	VOC 8260 QSM LL	45499	M	**4**	
99211	337814	083SB-0003M-0001-SO	8/12/2013 1141		ECC	RVAAP	VOC 8260 QSM LL	45499	S	**4**	
99211	337816	083SB-0004M-0001-SO	8/12/2013 1215	Designated MS/MSD	ECC	RVAAP	VOC 8260 QSM LL	45499	S	**4**	
99211	337819	083SB-0005M-0001-SO	8/12/2013 1245		ECC	RVAAP	VOC 8260 QSM LL	45499	S	**4**	
99211	337821	083SB-0006M-0001-SO	8/12/2013 1245		ECC	RVAAP	VOC 8260 QSM LL	45499	S	**4**	
99211	337823	083SB-0008M-0001-SO	8/12/2013 1315		ECC	RVAAP	VOC 8260 QSM LL	45499	S	**4**	
99211	337825	083SB-0009M-0001-SO	8/12/2013 1415		ECC	RVAAP	VOC 8260 QSM LL	45499	S	**4**	
99211	337827	083SB-0011M-0001-SO	8/12/2013 1440		ECC	RVAAP	VOC 8260 QSM LL	45499	S	**4**	
99211	337829	083SB-0012M-0001-SO	8/12/2013 1455		ECC	RVAAP	VOC 8260 QSM LL	45499	S	**4**	
99211	337831	083SB-0013M-0001-SO	8/12/2013 1510		ECC	RVAAP	VOC 8260 QSM LL	45499	S	**4**	
99211	337833	083SB-0014-0001-SO	8/12/2013 1415		ECC	RVAAP	VOC 8260 QSM LL	45499	S	**4**	
99295	338807	083SB-0001M-0001-SO	8/14/2013 0900		ECC	RVAAP	VOC 8260 QSM LL	45499	S	**4**	
99295	338808	083SB-0002M-0001-SO	8/14/2013 0905		ECC	RVAAP	VOC 8260 QSM LL	45499	S	**4**	
99295	338810	083SB-0015M-0001-SO	8/14/2013 0910		ECC	RVAAP	VOC 8260 QSM LL	45499	S	**4**	

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

V 8260 QSM LL SOIL Analytical Run
96824 on 8/23/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)		CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
	340727							V 8260 QSM LL SOIL				
				BFB					0			
	340730							V 8260 QSM LL SOIL				
				CCV					0			
	340890							V 8260 QSM LL SOIL				
				CCB					0			
99211	337836		8/12/2013 0800			ECC	RVAAP	VOC 8260 QSM LL		M	**4**	
		083SB-0018-0001-TB							45499			
99295	338809		8/14/2013 99293			ECC	RVAAP	VOC 8260 QSM LL		M	**4**	
		083SB-0020-0001-TB							45499			
	339695		8/12/2013 1215					VOC 8260 QSM LL				
		083SB-0004M-0001-SO		MSS	337816				45499			
	339696		8/12/2013 1215					VOC 8260 QSM LL				
		083SB-0004M-0001-SO		MSDS	339695				45499			
	342199							V 8260 QSM LL SOIL				
				MRLS								
	342204							V 8260 QSM LL SOIL				
				MDLS								

28 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

V 8260 QSM LL SOIL Analytical Run # 96825 on 8/23/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
99211	337835	083SB-0016-0001-TB	8/12/2013 0800		ECC	RVAAP	VOC 8260 LL TXYL QSM	45499	M	**4**	
99211	337814	083SB-0003M-0001-SO	8/12/2013 1141		ECC	RVAAP	VOC 8260 LL TXYL QSM	45499	S	**4**	
99211	337816	083SB-0004M-0001-SO	8/12/2013 1215	Designated MS/MSD	ECC	RVAAP	VOC 8260 LL TXYL QSM	45499	S	**4**	
99211	337819	083SB-0005M-0001-SO	8/12/2013 1245		ECC	RVAAP	VOC 8260 LL TXYL QSM	45499	S	**4**	
99211	337821	083SB-0006M-0001-SO	8/12/2013 1315		ECC	RVAAP	VOC 8260 LL TXYL QSM	45499	S	**4**	
99211	337823	083SB-0008M-0001-SO	8/12/2013 1415		ECC	RVAAP	VOC 8260 LL TXYL QSM	45499	S	**4**	
99211	337825	083SB-0009M-0001-SO	8/12/2013 1440		ECC	RVAAP	VOC 8260 LL TXYL QSM	45499	S	**4**	
99211	337827	083SB-0011M-0001-SO	8/12/2013 1455		ECC	RVAAP	VOC 8260 LL TXYL QSM	45499	S	**4**	
99211	337829	083SB-0012M-0001-SO	8/12/2013 1510		ECC	RVAAP	VOC 8260 LL TXYL QSM	45499	S	**4**	
99211	337831	083SB-0013M-0001-SO	8/12/2013 1415		ECC	RVAAP	VOC 8260 LL TXYL QSM	45499	S	**4**	
99211	337833	083SB-0014-0001-SO	8/12/2013 0900		ECC	RVAAP	VOC 8260 LL TXYL QSM	45499	S	**4**	
99295	338807	083SB-0001M-0001-SO	8/14/2013 0905		ECC	RVAAP	VOC 8260 LL TXYL QSM	45499	S	**4**	
99295	338808	083SB-0002M-0001-SO	8/14/2013 0910		ECC	RVAAP	VOC 8260 LL TXYL QSM	45499	S	**4**	
99295	338810	083SB-0015M-0001-SO	8/12/2013 0800		ECC	RVAAP	VOC 8260 LL TXYL QSM	45499	M	**4**	
99211	337836	083SB-0018-0001-TB	8/14/2013 99293		ECC	RVAAP	VOC 8260 LL TXYL QSM	45499	M	**4**	
99295	338809	083SB-0020-0001-TB									

16 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

V 8260 QSM LL SOIL Analytical Run # 96826 on 8/23/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
99211	337835	083SB-0016-0001-TB	8/12/2013 0800		ECC	RVAAP	VOC 8260 LL TDCE QSM	45499	M	4	
99211	337814	083SB-0003M-0001-SO	8/12/2013 1141		ECC	RVAAP	VOC 8260 LL TDCE QSM	45499	S	4	
99211	337816	083SB-0004M-0001-SO	8/12/2013 1215	Designated MS/MSD	ECC	RVAAP	VOC 8260 LL TDCE QSM	45499	S	4	
99211	337819	083SB-0005M-0001-SO	8/12/2013 1245		ECC	RVAAP	VOC 8260 LL TDCE QSM	45499	S	4	
99211	337821	083SB-0006M-0001-SO	8/12/2013 1315		ECC	RVAAP	VOC 8260 LL TDCE QSM	45499	S	4	
99211	337823	083SB-0008M-0001-SO	8/12/2013 1415		ECC	RVAAP	VOC 8260 LL TDCE QSM	45499	S	4	
99211	337825	083SB-0009M-0001-SO	8/12/2013 1440		ECC	RVAAP	VOC 8260 LL TDCE QSM	45499	S	4	
99211	337827	083SB-0011M-0001-SO	8/12/2013 1455		ECC	RVAAP	VOC 8260 LL TDCE QSM	45499	S	4	
99211	337829	083SB-0012M-0001-SO	8/12/2013 1510		ECC	RVAAP	VOC 8260 LL TDCE QSM	45499	S	4	
99211	337831	083SB-0013M-0001-SO	8/12/2013 1415		ECC	RVAAP	VOC 8260 LL TDCE QSM	45499	S	4	
99211	337833	083SB-0014-0001-SO	8/12/2013 0900		ECC	RVAAP	VOC 8260 LL TDCE QSM	45499	S	4	
99295	338807	083SB-0001M-0001-SO	8/14/2013 0905		ECC	RVAAP	VOC 8260 LL TDCE QSM	45499	S	4	
99295	338808	083SB-0002M-0001-SO	8/14/2013 0910		ECC	RVAAP	VOC 8260 LL TDCE QSM	45499	S	4	
99295	338810	083SB-0015M-0001-SO	8/12/2013 0800		ECC	RVAAP	VOC 8260 LL TDCE QSM	45499	M	4	
99211	337836	083SB-0018-0001-TB	8/14/2013 99293		ECC	RVAAP	VOC 8260 LL TDCE QSM	45499	M	4	
99295	338809	083SB-0020-0001-TB						45499			

16 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

PREP WORKSHEET
on 8/23/2013

Prep Batch **45,499** Date Prepped: 8/20/2013 Prepped By RLD

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
	339693	MBS		VOC 8260 QSM LL	SOLID	5.0	5.00			
	339694	LCSS		VOC 8260 QSM LL	SOLID	5.0	5.00			
99211	337814			VOC 8260 QSM LL	SOIL	5.0	5.93		N	
	337814			VOC 8260 LL TDCE	SOIL	5.0	5.93		N	
	337814			VOC 8260 LL TXYL QSM	SOIL	5.0	5.93		N	
	337816	*		VOC 8260 QSM LL	SOIL	5.0	6.13		N	
	337816	*		VOC 8260 LL TXYL QSM	SOIL	5.0	6.13		N	
	337816	*		VOC 8260 LL TDCE	SOIL	5.0	6.13		N	
	337819			VOC 8260 QSM LL	SOIL	5.0	6.76		N	
	337819			VOC 8260 LL TXYL QSM	SOIL	5.0	6.76		N	
	337819			VOC 8260 LL TDCE	SOIL	5.0	6.76		N	
	337821			VOC 8260 QSM LL	SOIL	5.0	6.61		N	
	337821			VOC 8260 LL TXYL QSM	SOIL	5.0	6.61		N	
	337821			VOC 8260 LL TDCE	SOIL	5.0	6.61		N	
	337823			VOC 8260 QSM LL	SOIL	5.0	6.30		N	
	337823			VOC 8260 LL TXYL QSM	SOIL	5.0	6.30		N	
	337823			VOC 8260 LL TDCE	SOIL	5.0	6.30		N	
	337825			VOC 8260 QSM LL	SOIL	5.0	6.02		N	

PREP WORKSHEET
on 8/23/2013

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
99211	337825			VOC 8260 LL TXYL QSM	SOIL	5.0	6.02		N	
	337825			VOC 8260 LL TDCE	SOIL	5.0	6.02		N	
	337827			VOC 8260 QSM LL	SOIL	5.0	6.32		N	
	337827			VOC 8260 LL TXYL QSM	SOIL	5.0	6.32		N	
	337827			VOC 8260 LL TDCE	SOIL	5.0	6.32		N	
	337829			VOC 8260 QSM LL	SOIL	5.0	5.79		N	
	337829			VOC 8260 LL TXYL QSM	SOIL	5.0	5.79		N	
	337829			VOC 8260 LL TDCE	SOIL	5.0	5.79		N	
	337831			VOC 8260 QSM LL	SOIL	5.0	6.57		N	
	337831			VOC 8260 LL TXYL QSM	SOIL	5.0	6.57		N	
	337831			VOC 8260 LL TDCE	SOIL	5.0	6.57		N	
	337833			VOC 8260 QSM LL	SOIL	5.0	5.79		N	
	337833			VOC 8260 LL TXYL QSM	SOIL	5.0	5.79		N	
	337833			VOC 8260 LL TDCE	SOIL	5.0	5.79		N	
	337835			VOC 8260 LL TDCE	LL TRIP BLANK	5.0	5.0		N	
	337835			VOC 8260 LL TXYL QSM	LL TRIP BLANK	5.0	5.0		N	
	337835			VOC 8260 QSM LL	LL TRIP BLANK	5.0	5.0		N	
	337836			VOC 8260 LL TDCE	LL TRIP BLANK	5.0	5.0		N	
	337836			VOC 8260 LL TXYL QSM	LL TRIP BLANK	5.0	5.0		N	

PREP WORKSHEET
on 8/23/2013

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
99211	337836			VOC 8260 QSM LL	LL TRIP BLANK	5.0	5.0		N	
99295	338807			VOC 8260 LL TDCE	SOIL	5.0	7.07		N	
	338807			VOC 8260 LL TXYL QSM	SOIL	5.0	7.07		N	
	338807			VOC 8260 QSM LL	SOIL	5.0	7.07		N	
	338808			VOC 8260 QSM LL	SOIL	5.0	6.21		N	
	338808			VOC 8260 LL TXYL QSM	SOIL	5.0	6.21		N	
	338808			VOC 8260 LL TDCE	SOIL	5.0	6.21		N	
	338809			VOC 8260 QSM LL	LL TRIP BLANK	5.0	5.0		N	
	338809			VOC 8260 LL TXYL QSM	LL TRIP BLANK	5.0	5.0		N	
	338809			VOC 8260 LL TDCE	LL TRIP BLANK	5.0	5.0		N	
	338810			VOC 8260 QSM LL	SOIL	5.0	6.48		N	
	338810			VOC 8260 LL TXYL QSM	SOIL	5.0	6.48		N	
	338810			VOC 8260 LL TDCE	SOIL	5.0	6.48		N	
	339695	MSS	337816	VOC 8260 QSM LL	SOIL	5.0	6.09			
	339696	MSDS	339695	VOC 8260 QSM LL	SOIL	5.0	6.22			

Notes:_____

VOC SOILS LOW LEVEL - PREP BENCHSHEET

Prep Batch #:	45499
Method:	8260
Analyst:	RLD
Date:	8/20/2013
Start Time:	09:15

NON-LUST

	Sample ID	Sample Weight B (g)	Sample Weight C (g)	Sample Weight A (g)		DI H20 (mL)
1	337814	6.34		5.93		5.0
2	337816	6.71		6.13		5.0
3	337819	6.76		6.76		5.0
4	337821	7.20		6.61		5.0
5	337823	5.25		6.30		5.0
6	337825	6.49		6.02		5.0
7	337827	6.69		6.32		5.0
8	337829	6.18		5.79		5.0
9	337831	6.50		6.57		5.0
10	337833	6.17		5.79		5.0
11	337835	5.0		5.0		5.0
12	337836	5.0		5.0		5.0
13	338807	6.45		7.07		5.0
14	338808	6.19		6.21		5.0
15	338809	5.0		5.0		5.0
16	338810	6.05		6.48		5.0
17						5.0
18	MSS337816			6.09		5.0
19	MSDS337816			6.22		5.0
20						5.0

Injection Log Summary Report

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Start (Tune) File ID : M:\DATA\AUG2013\BFB1.D
Injection Date : 20 Aug 2013 Log Time Period (hrs) : ALL
Injection Time : 07:48 Total files within period : 34
Sample Directory : M:\DATA\AUG2013\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name / Misc Info	Date	Time
IB1	1.00	1.00	1.00	Instrument Blank-DI H2O 10.0 mL DI Water Purged +	20 Aug 2013	08:02
CCV1	1.00	1.00	1.00	96824,CCV,1 0.010/0.10 mg/kg, 10.0 mL	20 Aug 2013	08:31
IB2	1.00	1.00	1.00	Instrument Blank-DI H2O 10.0 mL DI Water Purged +	20 Aug 2013	09:05
LCS1	1.00	1.00	1.00	96824,LCSS,1 5.0g, 0.010/0.10 mg/kg, 1	20 Aug 2013	09:34
MRL1	1.00	1.00	1.00	96824,MRLS,1 5.0g, 0.002/0.020 mg/kg,	20 Aug 2013	10:02
IB3	1.00	1.00	1.00	Instrument Blank-DI H2O 10.0 mL DI Water Purged +	20 Aug 2013	10:31
MB1	1.00	1.00	1.00	96824,MBS,1 5.00g, 10.0 mL Purged + I	20 Aug 2013	11:00
337835	1.00	1.00	1.00	96824,337835,1 5.0g, 10.0 mL Purged + IS	20 Aug 2013	11:58
337814	1.00	1.00	1.00	96824,337814,1 5.93g, 10.0 mL Purged + I	20 Aug 2013	12:26
337816	1.00	1.00	1.00	96824,337816,1 6.13g, 10.0 mL Purged + I	20 Aug 2013	12:55
337819	1.00	1.00	1.00	96824,337819,1 6.76g, 10.0 mL Purged + I	20 Aug 2013	13:24
337821	1.00	1.00	1.00	96824,337821,1 6.61g, 10.0 mL Purged + I	20 Aug 2013	13:53
337823	1.00	1.00	1.00	96824,337823,1 6.30g, 10.0 mL Purged + I	20 Aug 2013	14:22
337825	1.00	1.00	1.00	96824,337825,1 6.02g, 10.0 mL Purged + I	20 Aug 2013	14:51
337827	1.00	1.00	1.00	96824,337827,1 6.32g, 10.0 mL Purged + I	20 Aug 2013	15:21
337829	1.00	1.00	1.00	96824,337829,1 5.79g, 10.0 mL Purged + I	20 Aug 2013	15:50
337831	1.00	1.00	1.00	96824,337831,1 6.57g, 10.0 mL Purged + I	20 Aug 2013	16:19
337833	1.00	1.00	1.00	96824,337833,1 5.79g, 10.0 mL Purged + I	20 Aug 2013	16:48
338807	1.00	1.00	1.00	96824,338807,1 7.07g, 10.0 mL Purged + I	20 Aug 2013	17:17
338808	1.00	1.00	1.00	96824,338808,1 6.21g, 10.0 mL Purged + I	20 Aug 2013	17:46
338810	1.00	1.00	1.00	96824,338810,1 6.48g, 10.0 mL Purged + I	20 Aug 2013	18:15

Injection Log Summary Report

Method : M:\METHODS\LS081913.M (RTE Integrator)
Title : VOC 8260
Start (Tune) File ID : M:\DATA\AUG2013\BFB1.D
Injection Date : 20 Aug 2013 Log Time Period (hrs) : ALL
Injection Time : 07:48 Total files within period : 34
Sample Directory : M:\DATA\AUG2013\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name / Misc Info	Date	Time
BFB2	1.00	1.00	1.00	96824,BFB,1 50 ng	20 Aug 2013	21:33
IB4	1.00	1.00	1.00	Instrument Blank-DI H2O 10.0 mL DI Water Purged +	20 Aug 2013	21:48
CCV2	1.00	1.00	1.00	96824,CCV,1 0.010/0.10 mg/kg, 10.0 mL	20 Aug 2013	22:18
IB5	1.00	1.00	1.00	Instrument Blank-DI H2O 10.0 mL DI Water Purged +	20 Aug 2013	22:56
CCB1	1.00	1.00	1.00	96824,CCB,1 10.0 mL DI H2O Purged + I	20 Aug 2013	23:25
337836	1.00	1.00	1.00	96824,337836,1 5.0g, 10.0 mL Purged + IS	20 Aug 2013	23:54
338809	1.00	1.00	1.00	96824,338809,1 5.0g, 10.0 mL Purged + IS	21 Aug 2013	00:23
337816MS	1.00	1.00	1.00	96824,MSS337816,1 6.09g, 0.010/0.10 mg/kg,	21 Aug 2013	00:52
337816SD	1.00	1.00	1.00	96824,MSDS337816,1 6.22g, 0.010/0.10 mg/kg,	21 Aug 2013	01:21
IB6	1.00	1.00	1.00	Instrument Blank-DI H2O 10.0 mL DI Water Purged +	21 Aug 2013	01:50
MRL2	1.00	1.00	1.00	96824,MRLS,1 5.0g, 0.002/0.020 mg/kg,	21 Aug 2013	02:19
MDL1	1.00	1.00	1.00	96824,MDLS,1 5.0g, 0.001/0.010 mg/kg,	21 Aug 2013	02:49

8260 ISTD/SSTD 80ug/ml VOCO4 3919
8260 BFB STD. 50ug/ml VOCO4 3918
8260 ICV STD. 100ug/ml VOCO4 3929
8260 CCV/CALIB. 100ug/ml VOCO4 3930

INDEPENDENT DATA REVIEW CHECKLIST		Method: GCMS (EPA SW-846 8260C)					
Analysis Date	LIMs Run #(s):	Analyst/Data Interpreter	Independent Reviewer	Date of Review	Approved?		Instrument
					Yes	No	
08/20/2013	96824,96825,96826,96830,96831, & 96832	RLD	BMS	08/26/2013	Yes		VMS1
Instructions: Complete one checklist per analytical run. Enter the appropriate response for each question. Each "No" response requires an explanation in the Comments section and may require the initiation of a Nonconformance Report.							

Requirement:	Acceptance criteria	Analyst Review		Independent Review		Comments:
		Yes	No	Yes	No	
I. BFB Tune Check						
Was a BFB tune check analyzed with acceptable results?	Relative abundance criteria met?	Yes		Yes		If No, Do not proceed with analyses.
II. Initial Calibration Verification (ICV)						
Was initial calibration performed using a minimum of five standard concentration levels (minimum of 6 levels for quadratic curves)?	Lowest standard at or below RL?	Yes		Yes		If no, recalibrate with required # of levels
Were the Average Relative Response Factors (ARRF) acceptable?	ARRF≥ specified limits (see SOP)	Yes		Yes		If no, analyses stopped, recalibrate.
Was a second-source ICV analyzed?	Required before sample analyses.	Yes		Yes		If no, analyze prior to sample analyses.
Were Relative Response Factors (RRF) acceptable?	RRF≥ specified limits (see SOP)	Yes		Yes		If no, analyses stopped, reanalyze or recalibrate if needed.
Were all target compound %Deviation or %Drift acceptable?	%D < 20% or project/program specific		No		No	If no, reanalyzed ICV to address failures (Methylene chloride high on ICV1).
Was Initial Calibration Blank (ICB) analyzed?	Required before sample analyses.	Yes		Yes		If no, analyzed ICB before sample analyses.
Were the ICB results for all target analytes less than the limit of detection (LOD).	<LOD or < project/program specific limits		No		No	If no, analyze another ICB to address detects (Methylene chloride detected).
III. Continuing Calibration Verification (CCV)						
Was an acceptable BFB tune check run at the beginning of every twelve hour shift?	Relative abundance criteria met?	Yes		Yes		If no, reanalyze BFB until acceptable; re-tuning the instrument may be necessary.
Was a CCV analyzed after every 12 hour tune check?	Required before sample analyses.	Yes		Yes		If no, analyzed CCV after acceptable tune check.
Were RRF compounds acceptable?	RRF≥ specified limits (see SOP)	Yes		Yes		If no, analyses stopped, reanalyze or recalibrate if needed.
Were all target compound %Deviation or %Drift acceptable?	%D < 20% or project/program specific		No		No	If no, reanalysis or recalibration may be required.
If necessary, were the results for outlying compounds qualified?		Yes		Yes		If yes, results qualified "Z"

IV. Blanks						
Was a Method Blank (MB) analyzed prior to analysis of samples?	1 per 20 samples or project/program specific.	Yes		Yes		If no, analyze a MB with each sample batch.
Were the MB results for all target analytes less than the limit of detection (LOD)?	*All target analytes <LOD or < project/program specific limits (<1/2 RL for DoD-QSM)		No		No	If no, reanalyze MB an all affected data if possible or see SOP for more detailed criteria
If analytes were detected in the MB with no associated positives in the samples, no further action is needed. If the analyte detects in the MB were greater than the acceptance criteria and there were detects in the samples, was the data qualified.?		Yes		Yes		If yes, affected results qualified "B"
V. Laboratory Control Spike (LCS)						
Was a LCS analyzed at the required frequency?	1 per 20 samples or project/program specific.	Yes		Yes		If no, analyze a LCS with each sample batch.
Were the LCS recoveries for all analytes within acceptance criteria?	Default 70-130%, or see internally generated limits, or project/program specified limits.		No		No	If no, Reanalyze LCS and all affected data if possible or data requires qualification.
If applicable, were associated sample detects (and non-detects for low recoveries) qualified?		Yes		Yes		If yes, affected results qualified "Q"
VI. Matrix Spike/Matrix Spike Duplicate (MS/MSD)						
Was a Martrix Spike (MS) and a Matrix Spike Duplicate (MSD) analyzed at the required frequency?	1 per 20 samples or project/program specific.	Yes		Yes		If no, analyze a MS/MSD pair with each sample batch.
Were the MS/MSD recoveries for all analytes within acceptance criteria?	Default 70-130%, or see internally generated limits, or project/program specified limits.		No		No	If no, qualify detects (with an "M" flag) in the parent sample, also qualify non-detects if MS/MSD recoveries were low.
Is the relative percent difference (RPD) for each analyte between the MS and MSD acceptable?	Default 20%, or see internally generated limits, or client specific	Yes		Yes		If no, affected results qualified "Y"
VII. Sample Analyses						
Are chromatogram characteristics, including peak shapes and areas, consistent with those of the CCV?		Yes		Yes		If no, instrument maintenance may be required to correct problems.
Were surrogate recoveries for all samples and QC within acceptance criteria?	Default 70-130%, or see internally generated program limits, or client specified limits.	Yes		Yes		If no, samples with high surrogate recoveries and no associated analyte detects were not reanalyzed. Low surrogate recoveries require reanalysis.
If possible, were the affected samples reanalyzed?						IF no, see below **
**Were reported sample results with failing surrogate recoveries qualified?						If yes, affected results qualified "S"
Were all samples having analytes detected in amounts exceeding the calibration range diluted and reanalyzed? If not qualify (X).	Target upper middle range of calibration curve.	Yes		Yes		
Did all samples meet hold time and preservation criteria as defined by method/program?	H2O sample: pH < 2 = 14 days, pH >2 = 7 days. Soil samples: 14 days (other criteria may apply)	Yes		Yes		If no, see below: If analyzed past hold, qualify "H" If improperly preserved qualify "T"
Were all samples and QC injected within 12 hours of BFB tune check?		Yes		Yes		If no, affected samples reanalyzed
Were internal standard recoveries acceptable relevant to associated ICAL?	Response = -50 to +200%; Ret. time = +/- 30 sec.	Yes		Yes		If no, affected samples reanalyzed

VIII. Records and Reporting						
Is sequence file / injection log present in the data package?		Yes		Yes		If no, include sequence run with raw data.
Were all data, calculations, and values verified in LIMS upon completion of data capture?		Yes		Yes		If no, recapture the data and verify data prior to validation.
Were reported results with amounts exceeding acceptance criteria flagged with appropriate qualifier and, if needed, a NCR completed?		Yes		Yes		If no, apply appropriate qualifiers.
Were manual integrations addressed properly and were the audit trails turned on (where applicable)?	Manual integration must be initialed, dated, and reason given, along with before & after chromatograms. Audit trail must be on (if available).	Yes		Yes		IF No, address manual integration and/or turn on audit trail feature and document reason why it may have been turned off.
Was the integrity of the sample kept intact? If not, was a NCR completed?		Yes		Yes		If No, include proper qualification and nonconformity documentation.

Non-applicable Yes/No cells are left blank

Comments:

pl_ilog
Injection Log Summary Report

Method : M:\METHODS\LS081913.M
Title : VOC 8260
Start (Tune) File ID : M:\DATA\AUG1913\BFB1.D
Injection Date : 19 Aug 2013 Log Time Period (hrs) : ALL
Injection Time : 08:12 Total files within period : 18
Sample Directory : M:\DATA\AUG1913\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name Misc Info	Date	Time
CALLS1	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.001/0.01 mg/kg, 10	19 Aug 2013	10:07
CALLS2	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.002/0.02 mg/kg, 10	19 Aug 2013	10:36
CALLS3	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.005/0.05 mg/kg, 10	19 Aug 2013	11:05
CALLS4	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.010/0.10 mg/kg, 10	19 Aug 2013	11:33
CALLS5	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.020/0.20 mg/kg, 10	19 Aug 2013	12:02
CALLS6	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.030/0.30 mg/kg, 10	19 Aug 2013	12:31
CALLS7	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.040/0.40 mg/kg, 10	19 Aug 2013	13:00
CALLS8	1.00	1.00	1.00	L.L. SOIL CALIB. STD 0.080/0.80 mg/kg, 10	19 Aug 2013	13:58
ICV1	1.00	1.00	1.00	INITIAL CALIB. VERIF 0.010/0.1 mg/kg, 10.	19 Aug 2013	16:42
ICV2	1.00	1.00	1.00	INITIAL CALIB. VERIF 0.030/0.3 mg/kg, 10.	19 Aug 2013	17:11
ICB1	1.00	1.00	1.00	INITIAL CALIB. BLANK 10.0 mL DI Water Pur	19 Aug 2013	18:39

8260 ISTD/SSTD 80ug/ml VOCO4 3919
8260 BFB STD. 50ug/ml VOCO4 3918
8260 ICV STD. 100ug/ml VOCO4 3929
8260 CCV/CALIB. 100ug/ml VOCO4 3930

Standard Prep	Log ID # Concentration	Solvent/Lot	Prep (FV = Final Volume)	Final Concentration	Expiration Date	Prepped By Date	ID #
8260 ICV/ Spiking Std.	(1) V660 2000ug/ml 8/8/13 SMS (2) V666 1000/10000ug/ml (3) V672 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	8/14/13	BMS 8/7/13	VOCO4 3925
8260 CCV/ Calib. Std.	(1) V667 2000ug/ml (2) V665 1000/10000ug/ml (3) V671 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	8/14/13	BMS 8/7/13	VOCO4 3926
8015 CCV/Calib. Std.	V656 - 50000 ug/mL	B&J MEOH DD471	0.2 mL of std. into 10 mL of MeOH	1000 ug/mL	02/07/13	EJC 08/07/13	VOC04 3927
8015 ICV/Spiking Std.	V632 - 5000 ug/mL BSC 8/7/13	B&J MEOH DD471	1 mL of std. into 5 mL of MeOH	1000 ug/mL	02/07/13	EJC 08/07/13	VOC04 3928
8260 ICV/ Spiking Std. 8/16/13	(1) V660 2000ug/ml (2) V666 1000/10000ug/ml (3) V672 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	8/23/13	RLD 8/16/13	VOCO4 3929
8260 CCV/ Calib. Std.	(1) V667 2000ug/ml (2) V665 1000/10000ug/ml (3) V671 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	8/23/13	RLD 8/16/13	VOCO4 3930

Standard Prep 6/10/13 BMS	Log ID # Concentration	Solvent/Lot	Prep	Final Concentration	Expiration Date	Prepped By Date	ID #
PVOC/GRO ISTD	V639 - 2000 ug/mL	B&J MEOH DD471	1 mL of std. into 25 mL of MeOH	80 ug/mL	01/01/14	BMS 07/01/13	VOC04 3909
PVOC/GRO SSTD	V648 - 2000 ug/mL	B&J MEOH DD471	0.5 mL of std. into 10 mL of MeOH	100 ug/mL	01/01/14	BMS 07/01/13	VOC04 3910
PVOC/GRO ISTD/SSTD	V639 - 2000 ug/mL V648 - 2000 ug/mL	B&J MEOH DD471	1 mL of each into 25 mL of MeOH	80 ug/mL	01/01/14	BMS 07/01/13	VOC04 3911
PVOC/GRO CCV/Calib. Std.	V651 - 1000/10000 ug/mL	B&J MEOH DD471	1 mL of std. into 10 mL of MeOH	100/1000ug/mL	01/01/14	BMS 07/01/13	VOC04 3912
PVOC/GRO ICV/Spiking Std.	V631 - 1000/10000 ug/mL	B&J MEOH DD471	1 mL of std. into 10 mL of MeOH	100/1000ug/mL	01/01/14	BMS 07/01/13	VOC04 3913
8260 ICV/ Spiking Std. RD 7/15/13	(1) V660 2000ug/ml (2) V664 1000/10000ug/ml (3) V662 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	7/12/13	RLD 7/5/13	VOCO4 3914
8260 CCV/ Calib. Std.	(1) V655 2000ug/ml (2) V663 1000/10000ug/ml (3) V661 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	7/12/13	RLD 7/5/13	VOCO4 3915
8260 ICV/ Spiking Std. RD 7/15/13	(1) V660 2000ug/ml (2) V664 1000/10000ug/ml (3) V662 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	7/22/13	RLD 7/15/13	VOCO4 3916
8260 CCV/ Calib. Std.	(1) V655 2000ug/ml (2) V663 1000/10000ug/ml (3) V661 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	7/22/13	RLD 7/15/13	VOCO4 3917
8260 BFB Std. RD 7/23/13	(1) V583 2000ug/ml	B&J MEOH DD471	75 ul of (1) + 2925 ul of MeOH	50 ug/ml	8/23/13	RLD 7/23/13	VOCO4 3918
8260 VMS1 ISTD/SSTD	(1) V620 2500ug/ml	B&J MEOH DD471	320 ul of (1) into 10 mL FV of MEOH	80 ug/ml	8/23/13	RLD 7/23/13	VOCO4 3919
8260 VMS3 ISTD/SSTD	(1) V620 2500ug/ml	B&J MEOH DD471	64 uL of (1) into 10 mL FV of MEOH	16 ug/ml	8/23/13	RLD 7/23/13	VOCO4 3920
8260 ICV/ Spiking Std.	(1) V660 2000ug/ml (2) V664 1000/10000ug/ml (3) V662 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	7/30/13	RLD 7/23/13	VOCO4 3921
8260 CCV/ Calib. Std.	(1) V655 2000ug/ml (2) V663 1000/10000ug/ml (3) V661 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	7/30/13	RLD 7/23/13	VOCO4 3922
8260 ICV/ Spiking Std. RD 7/30/13	(1) V660 2000ug/ml (2) V666 1000/10000ug/ml (3) V662 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	8/6/13	RLD 7/30/13	VOCO4 3923
8260 CCV/ Calib. Std.	(1) V655 2000ug/ml (2) V665 1000/10000ug/ml (3) V661 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	8/6/13	RLD 7/30/13	VOCO4 3924

Standard Prep	Log ID # Concentration	Solvent/Lot	Prep (FV = Final Volume)	Final Concentration	Expiration Date	Prepped By Date	ID #
8260 ICV/ Spiking Std.	(1) V660 2000ug/ml (2) V664 1000/10000ug/ml (3) V662 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	6/3/13	RLD 5/27/13	VOCO4 3894
8260 CCV/ Calib. Std.	(1) V655 2000ug/ml (2) V663 1000/10000ug/ml (3) V661 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	6/3/13	RLD 5/27/20	VOCO4 3895
8260 TBA ICV/Spiking Std.	(1) VOC04 3894 (t-butyl alcohol = 5000 ug/ml)	B&J MEOH DD471	200 ul of (1) into 10 ml FV of MeOH	100 ug/ml	6/27/13	RLD 5/27/13	VOCO4 3896
8260 TBA CCV/Calib. Std.	(1) VOC04 3895 (t-butyl alcohol = 5000 ug/ml)	B&J MEOH DD471	200 ul of (1) into 10 ml FV of MeOH	100 ug/ml	6/27/13	RLD 5/27/13	VOCO4 3897
8260 ICV/ Spiking Std. 6/4/13	(1) V660 2000ug/ml (2) V664 1000/10000ug/ml (3) V662 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	6/11/13	RLD 6/4/13	VOCO4 3898
8260 CCV/ Calib. Std.	(1) V655 2000ug/ml (2) V663 1000/10000ug/ml (3) V661 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	6/11/13	RLD 6/4/13	VOCO4 3899
8260 ICV/ Spiking Std. 6/11/13	(1) V660 2000ug/ml (2) V664 1000/10000ug/ml (3) V662 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	6/18/13	RLD 6/11/13	VOCO4 3900
8260 CCV/ Calib. Std.	(1) V655 2000ug/ml (2) V663 1000/10000ug/ml (3) V661 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	6/18/13	RLD 6/11/13	VOCO4 3901
8260 ICV/ Spiking Std. 6/18/13	(1) V660 2000ug/ml (2) V664 1000/10000ug/ml (3) V662 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	6/25/13	RLD 6/18/13	VOCO4 3902
8260 CCV/ Calib. Std.	(1) V655 2000ug/ml (2) V663 1000/10000ug/ml (3) V661 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	6/25/13	RLD 6/18/13	VOCO4 3903
8260 BFB Std. 6/25/13	(1) V583 2000ug/ml	B&J MEOH DD471	75 ul of (1) + 2925 ul of MeOH	50 ug/ml	7/25/13	RLD 6/25/13	VOCO4 3904
8260 VMS1 ISTD/SSTD	(1) V620 2500ug/ml	B&J MEOH DD471	320 ul of (1) into 10 mL FV of MEOH	80 ug/ml	7/25/13	RLD 6/25/13	VOCO4 3905
8260 VMS3 ISTD/SSTD	(1) V620 2500ug/ml	B&J MEOH DD471	0.064 mL of (1) into 10 mL FV of MEOH	16 ug/ml	7/25/13	RLD 6/25/13	VOCO4 3906
8260 ICV/ Spiking Std.	(1) V660 2000ug/ml (2) V664 1000/10000ug/ml (3) V662 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	7/2/13	RLD 6/25/13	VOCO4 3907
8260 CCV/ Calib. Std.	(1) V655 2000ug/ml (2) V663 1000/10000ug/ml (3) V661 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	7/2/13	RLD 6/25/13	VOCO4 3908

Standard Prep	Log ID # Concentration	Solvent/Lot	Prep (FV = Final Volume)	Final Concentration	Expiration Date	Prepped By Date	ID #
8260 ICV/ Spiking Std. RD 4/18/13	(1) V660 2000ug/ml (2) V659 1000/10000ug/ml (3) V662 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	4/25/13	RLD 4/18/13	VOCO4 3878
8260 CCV/ Calib. Std.	(1) V655 2000ug/ml (2) V658 1000/10000ug/ml (3) V661 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	4/25/13	RLD 4/18/13	VOCO4 3879
8260 BFB Std. RD 4/25/13	(1) V583 2000ug/ml	B&J MEOH DD471	75 ul of (1) + 2925 ul of MeOH	50 ug/ml	5/25/13	RLD 4/25/13	VOCO4 3880
8260 VMS1 ISTD/SSTD	(1) V620 2500ug/ml	B&J MEOH DD471	320 ul of (1) into 10 mL FV of MEOH	80 ug/ml	5/25/13	RLD 4/25/13	VOCO4 3881
8260 VMS3 ISTD/SSTD	(1) VOC04 3881 80ug/ml	B&J MEOH DD471	2.0 mL of (1) into 10 mL FV of MEOH	16 ug/ml	5/25/13	RLD 4/25/13	VOCO4 3882
8260 ICV/ Spiking Std.	(1) V660 2000ug/ml (2) V659 1000/10000ug/ml (3) V662 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	5/2/13	RLD 4/25/13	VOCO4 3883
8260 CCV/ Calib. Std.	(1) V655 2000ug/ml (2) V658 1000/10000ug/ml (3) V661 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	5/2/13	RLD 4/25/13	VOCO4 3884
8260 ICV/ Spiking Std. RD 5/9/13	(1) V660 2000ug/ml (2) V659 1000/10000ug/ml (3) V662 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	5/9/13	RLD 5/2/13	VOCO4 3885
8260 CCV/ Calib. Std.	(1) V655 2000ug/ml (2) V658 1000/10000ug/ml (3) V661 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	5/9/13	RLD 5/2/13	VOCO4 3886
8260 ICV/ Spiking Std. RD 5/19/13	(1) V660 2000ug/ml (2) V659 1000/10000ug/ml (3) V662 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	5/20/13	RLD 5/13/13	VOCO4 3887
8260 CCV/ Calib. Std.	(1) V655 2000ug/ml (2) V658 1000/10000ug/ml (3) V661 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	5/20/13	RLD 5/13/13	VOCO4 3888
8260 ICV/ Spiking Std. RD 5/20/13	(1) V660 2000ug/ml (2) V659 1000/10000ug/ml (3) V662 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	5/27/13	RLD 5/20/13	VOCO4 3889
8260 CCV/ Calib. Std.	(1) V655 2000ug/ml (2) V658 1000/10000ug/ml (3) V661 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	5/27/13	RLD RD 5/20/13 5/20/13	VOCO4 3890
8260 BFB Std. RD 5/24/13	(1) V583 2000ug/ml	B&J MEOH DD471	75 ul of (1) + 2925 ul of MeOH	50 ug/ml	6/25/13	RLD 5/26/13	VOCO4 3891
8260 VMS1 ISTD/SSTD	(1) V620 2500ug/ml	B&J MEOH DD471	320 ul of (1) into 10 mL FV of MEOH	80 ug/ml	6/25/13	RLD 5/26/13	VOCO4 3892
8260 VMS3 ISTD/SSTD	(1) VOC04 3892 80ug/ml	B&J MEOH DD471	2.0 mL of (1) into 10 mL FV of MEOH	16 ug/ml	6/25/13	RLD 5/26/13	VOCO4 3893

Standard Prep	Log ID # Concentration	Solvent/Lot	Prep (FV = Final Volume)	Final Concentration	Expiration Date	Prepped By Date	ID #
8260 TBA ICV/Spiking Std.	(1) VOC04 3860 (t-butyl alcohol = 5000 ug/ml)	B&J MEOH DD471	200 ul of (1) into 10 ml FV of MeOH	100 ug/ml	3/26/13	RLD 2/26/13	VOCO4 3862
8260 TBA CCV/Calib. Std.	(1) VOC04 3861 (t-butyl alcohol = 5000 ug/ml)	B&J MEOH DD471	200 ul of (1) into 10 ml FV of MeOH	100 ug/ml	3/26/13	RLD 2/26/13	VOCO4 3863
8260 ICV/ Spiking Std.	(1) V641 2000ug/ml (2) V650 1000/10000ug/ml (3) V654 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	3/13/13	RLD 3/6/13	VOCO4 3864
8260 CCV/ Calib. Std.	(1) V640 2000ug/ml (2) V649 1000/10000ug/ml (3) V653 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	3/13/13	RLD 3/6/13	VOCO4 3865
8260 ICV/ Spiking Std.	(1) V641 2000ug/ml (2) V659 1000/10000ug/ml (3) V654 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	3/20/13	RLD 3/13/13	VOCO4 3866
8260 CCV/ Calib. Std.	(1) V640 2000ug/ml (2) V658 1000/10000ug/ml (3) V653 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	3/20/13	RLD 3/13/13	VOCO4 3867
8260 BFB Std.	(1) V583 2000ug/ml	B&J MEOH DD471	75 ul of (1) + 2925 ul of MeOH	50 ug/ml	4/25/13	RLD 3/25/13	VOCO4 3868
8260 VMS1 ISTD/SSTD	(1) V620 2500ug/ml	B&J MEOH DD471	300 ul of (1) into 10 mL FV of MEOH	80 ug/ml	4/25/13	RLD 3/25/13	VOCO4 3869
8260 VMS3 ISTD/SSTD	(1) VOC04 3869 80ug/ml	B&J MEOH DD471	2.0 mL of (1) into 10 mL FV of MEOH	16 ug/ml	4/25/13	RLD 3/25/13	VOCO4 3870
8260 ICV/ Spiking Std.	(1) V641 2000ug/ml (2) V659 1000/10000ug/ml (3) V654 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	4/1/13	RLD 3/25/13	VOCO4 3871
8260 CCV/ Calib. Std.	(1) V640 2000ug/ml (2) V658 1000/10000ug/ml (3) V653 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	4/1/13	RLD 3/25/13	VOCO4 3872
8260 ICV/ Spiking Std.	(1) V641 2000ug/ml (2) V659 1000/10000ug/ml (3) V654 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	4/10/13	RLD 4/3/13	VOCO4 3873
8260 CCV/ Calib. Std.	(1) V640 2000ug/ml (2) V658 1000/10000ug/ml (3) V653 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	4/10/13	RLD 4/3/13	VOCO4 3874
PVOC/GRO ISTD/SSTD	V639 - 2000 ug/mL V648 - 2000 ug/mL	B&J MEOH DD471	1 mL of each into 25 mL of MeOH	80 ug/mL	10/03/13	BMS 04/03/13	VOC04 3875
8260 ICV/ Spiking Std.	(1) V641 2000ug/ml (2) V659 1000/10000ug/ml (3) V654 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	4/18/11	RLD 4/11/13	VOCO4 3876
8260 CCV/ Calib. Std.	(1) V640 2000ug/ml (2) V658 1000/10000ug/ml (3) V653 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	4/18/11	RLD 4/11/13	VOCO4 3877

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Standard Prep	Log ID # Concentration	Solvent/Lot	Prep	Final Concentration	Expiration Date	Prepped By Date	ID #
8015 CCV/Calib. Std.	V614 - 50000 ug/mL	B&J MEOH DD471	0.2 mL of std. into 10 mL of MeOH	1000 ug/mL	07/28/13	BMS 01/28/13	VOC04 3845
8015 ICV/Spiking Std.	V632 - 5000 ug/mL	B&J MEOH DD471	1 mL of std. into 5 mL of MeOH	1000 ug/mL	07/28/13	BMS 01/28/13	VOC04 3846
AK CCV/Calib. Std.	V630 - 50000 ug/mL	B&J MEOH DD471	0.2 mL of std. into 10 mL of MeOH	1000 ug/mL	07/28/13	BMS 01/28/13	VOC04 3847
8260 BFB Std. RD 1/31/13	(1) V583 2000ug/ml	B&J MEOH DD471	75 ul of (1) + 2925 ul of MeOH	50 ug/ml	2/28/13	RLD 1/31/13	VOCO4 3848
8260 VMS1 ISTD/SSTD	(1) V620 2500ug/ml	B&J MEOH DD471	300 ul of (1) into 10 mL FV of MEOH	80 ug/ml	2/28/13	RLD 1/31/13	VOCO4 3849
8260 VMS3 ISTD/SSTD	(1) VOC04 ~~3831~~ 3849 80ug/ml RD 1/31/13	B&J MEOH DD471	2.0 mL of (1) into 10 mL FV of MEOH	16 ug/ml	2/28/13	RLD 1/31/13	VOCO4 3850
8260 ICV/ Spiking Std.	(1) V641 2000ug/ml (2) V650 1000/10000ug/ml (3) V654 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	2/7/13	RLD 1/31/13	VOCO4 3851
8260 CCV/ Calib. Std.	(1) V640 2000ug/ml (2) V649 1000/10000ug/ml (3) V653 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	2/7/13	RLD 1/31/13	VOCO4 3852
8260 ICV/ Spiking Std. RD 2/7/13	(1) V641 2000ug/ml (2) V650 1000/10000ug/ml (3) V654 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	2/14/13	RLD 2/7/13	VOCO4 3853
8260 CCV/ Calib. Std.	(1) V640 2000ug/ml (2) V649 1000/10000ug/ml (3) V653 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	2/14/13	RLD 2/7/13	VOCO4 3854
8260 ICV/ Spiking Std. RD 2/18/13	(1) V641 2000ug/ml (2) V650 1000/10000ug/ml (3) V654 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	2/25/13	RLD 2/18/13	VOCO4 3855
8260 CCV/ Calib. Std.	(1) V640 2000ug/ml (2) V649 1000/10000ug/ml (3) V653 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	2/25/13	RLD 2/18/13	VOCO4 3856
8260 BFB Std. RD 2/26/13	(1) V583 2000ug/ml	B&J MEOH DD471	75 ul of (1) + 2925 ul of MeOH	50 ug/ml	3/26/13	RLD 2/26/13	VOCO4 3857
8260 VMS1 ISTD/SSTD	(1) V620 2500ug/ml	B&J MEOH DD471	300 ul of (1) into 10 mL FV of MEOH	80 ug/ml	3/26/13	RLD 2/26/13	VOCO4 3858
8260 VMS3 ISTD/SSTD	(1) VOC04 3858 80ug/ml	B&J MEOH DD471	2.0 mL of (1) into 10 mL FV of MEOH	16 ug/ml	3/26/13	RLD 2/26/13	VOCO4 3859
8260 ICV/ Spiking Std.	(1) V641 2000ug/ml (2) V650 1000/10000ug/ml (3) V654 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	3/5/13	RLD 2/26/13	VOCO4 3860
8260 CCV/ Calib. Std.	(1) V640 2000ug/ml (2) V649 1000/10000ug/ml (3) V653 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	3/5/13	RLD 2/26/13	VOCO4 3861

Standard Prep	Log ID # Concentration	Solvent/Lot	Prep (FV = Final Volume)	Final Concentration	Expiration Date	Prepped By Date	ID #
8260 BFB Std. RD 12/31/12	(1) V583 2000ug/ml	B&J MEOH DD471	75 ul of (1) + 2925 ul of MeOH	50 ug/ml	1/31/13	RLD 12/31/12	VOCO4 3830
8260 VMS1 ISTD/SSTD	(1) V620 2500ug/ml	B&J MEOH DD471	300 ul of (1) into 10 mL FV of MEOH	80 ug/ml	1/31/13	RLD 12/31/12	VOCO4 3831
8260 VMS3 ISTD/SSTD	(1) VOC04 3831 80ug/ml	B&J MEOH DD471	2.0 mL of (1) into 10 mL FV of MEOH	16 ug/ml	1/31/13	RLD 12/31/12	VOCO4 3832
8260 ICV/ Spiking Std.	(1) V641 2000ug/ml (2) V650 1000/10000ug/ml (3) V643 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	1/7/13	RLD 12/31/12	VOCO4 3833
8260 CCV/ Calib. Std.	(1) V640 2000ug/ml (2) V649 1000/10000ug/ml (3) V642 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	1/7/13	RLD 12/31/12	VOCO4 3834
PVOC/GRO ISTD	V639 - 2000 ug/mL 01/03/13 BMS	B&J MEOH DD471	1 mL of std. into 25 mL of MeOH	80 ug/mL	07/03/13	BMS 01/03/13	VOC04 3835
PVOC/GRO SSTD	V610 - 2000 ug/mL	B&J MEOH DD471	0.5 mL of std. into 10 mL of MeOH	100 ug/mL	07/03/13	BMS 01/03/13	VOC04 3836
PVOC/GRO CCV/Calib. Std.	V613 - 1000/10000 ug/mL	B&J MEOH DD471	1 mL of std. into 10 mL of MeOH	100/1000ug/mL	07/03/13	BMS 01/03/13	VOC04 3837
PVOC/GRO ICV/Spiking Std.	V631 - 1000/10000 ug/mL	B&J MEOH DD471	1 mL of std. into 10 mL of MeOH	100/1000ug/mL	07/03/13	BMS 01/03/13	VOC04 3838
8260 ICV/ Spiking Std.	(1) V641 2000ug/ml 01/07/13 BMS (2) V650 1000/10000ug/ml (3) V643 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	1/14/13	RLD 1/7/13	VOCO4 3839
8260 CCV/ Calib. Std.	(1) V640 2000ug/ml (2) V649 1000/10000ug/ml (3) V642 1000/10000ug/ml	B&J MEOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MEOH	100 ug/ml	1/14/13	RLD 1/7/13	VOCO4 3840
8260 ICV/ Spiking Std. RD 1/23/13	(1) V641 2000ug/ml (2) V650 1000/10000ug/ml (3) V643 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	1/22/13	RLD 1/15/13	VOCO4 3841
8260 CCV/ Calib. Std.	(1) V640 2000ug/ml (2) V649 1000/10000ug/ml (3) V642 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	1/22/13	RLD 1/15/13	VOCO4 3842
8260 ICV/ Spiking Std. RD 1/23/13	(1) V641 2000ug/ml (2) V650 1000/10000ug/ml (3) V643 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	1/30/13	RLD 1/23/13	VOCO4 3843
8260 CCV/ Calib. Std.	(1) V640 2000ug/ml (2) V649 1000/10000ug/ml (3) V642 1000/10000ug/ml	B&J MeOH DD471	150 ul of (1) + 300 ul of (2) + 300 ul of (3) + 2250 ul of MeOH	100 ug/ml	1/30/13	RLD 1/23/13	VOCO4 3844

CTI VOLATILE STANDARDS LOGBOOK 1

CTI STANDARD NUMBER (EXAMPLE = CTIV001*)	COMPOUND or SOLUTION NAME	COMPOUND / SOLUTION SUPPLIER	STANDARD'S PART NUMBER	STANDARD'S LOT #	STANDARD CONCENTRATION [1] and EXPIRATION DATE	NEAT (N) or SOLUTION (S) (If neat list % purity, if solution list solvent)	DATE REC'D and ANALYST'S INITIALS	COMMENTS
V6666	8260 Addition	SPEX	VO-CTWI-12	C1130701014	1000-10,000 ug/mL 09/29/13	MeOH	07/08/13 BMS	2 x 1mL
V6667	VOC Mix	ULTRA	DWM-588	CK-1488	2000 ug/mL 06/30/16	MeOH	07/08/13 BMS	4 x 1mL
V6668	8260 Istd./Sstd. Mix	ULTRA	STM-540	CK-2154	2500 ug/mL 07/31/16	MeOH	07/08/13 BMS	4 x 1mL
V6669	Fluorobenzene	ULTRA	STS-160	CE-4128A	2000 ug/mL 01/31/15	MeOH	07/08/13 BMS	4 x 1mL
V6670	Unleaded Gasoline	ULTRA	RGO-601	CH-0979	5000 ug/mL 04/30/15	MeOH	07/08/13 BMS	4 x 1mL
V6671	8260 Special Addition	SPEX	VO-CTWI-5	C1130726021	1000-50000 ug/mL 01/22/14	MeOH	08/02/13 BMS	2 x 1mL
V6672	8260 Special Addition	SPEX	VO-CTWI-5	C1130726023	1000-50000 ug/mL 01/22/14	MeOH	08/02/13 BMS	2 x 1mL

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V647	Allyl chloride	SPEX	S-210	R1100624004	1000 ug/mL 06/23/13	MeOH	10/15/12 BmS	1 mL
V648	α,α,α-Trifluorotoluene	ULTRA	STS-220N	CE-1903A	2000 ug/mL 07/31/14	MeOH	12/03/12 BmS	4 x 1
V649	8260 Addition	SPEX	VO-CTWI-4	C1121219008	1000-10000 ug/mL 03/19/13	MeOH	12/27/12 BmS	2 x 1
V650	8260 Addition	SPEX	VO-CTWI-4	C1121219009	1000-10000 ug/mL 03/19/13	MeOH	12/27/12 BmS	2 x 1
V651	Pvoc/GRO Mix	RESTEK	30095	A090307	1000 ug/mL 09/19	MeOH	01/09/13 BmS	2 x 1
V652	Pvoc/GRO Mix	RESTEK	30095	A091998	1000 ug/mL 12/19	MeOH	01/09/13 BmS	2 x 1
V653	8260 Special Addition	SPEX-Certiprep	VO-CTWI-5	C1130107010	1000-50000 ug/mL, 7/6/13	MeOH	1/15/13 RD	2 x 1 ml
V654	8260 Special Addition	SPEX-Certiprep	VO-CTWI-5	C1130107011	1000-50000 ug/mL, 7/6/13	MeOH	1/15/13 RD	2 x 1 ml
V655	8260 VOC Mix	Ultra Scientific	DWM-588	CJ-4427	2000 ug/mL, 1/31/16	MeOH	1/15/13 RD	4 x 1 mL
V656	Unleaded Gas Composite	RESTEK	30205	A087768	50,000 ug/mL 05/19	MeOH	02/01/13 BmS	1 mL
V657	Unleaded Gas Composite	RESTEK	30205	A092370	50,000 ug/mL 01/20	MeOH	02/01/13 BmS	1 mL
V658	8260 Addition (new mix)	SPEX-Certiprep	VO-CTWI-12	C1130305009	1000-10000 ug/mL 6/3/13	MeOH	3/12/13 RD	2 x 1 ml (Formerly VO-CTWI-4)
V659	8260 Addition (New mix)	SPEX-Certiprep	VO-CTWI-12	C1130305010	1000-10000 ug/mL 6/3/13	MeOH	3/12/13 RD	2 x 1 mL
V660	VOC Mix (8260)	Accustandard	M-502-10X	212071035	2000 ug/ml 7/25/15	MeOH	3/19/13 RD	5 x 1 ml
V661	8260 Special Addition	SPEX-Certiprep	VO-CTWI-5	C1130327006	1000-50000 ug/mL 9/23/13	MeOH	4/3/13 RD	3 x 1 mL
V662	8260 Special Addition	SPEX-Certiprep	VO-CTWI-5	C1130327007	1000-50000 ug/mL 9/23/13	MeOH	4/3/13 RD	3 x 1 mL
V663	8260 Addition	SPEX	VO-CTWI-12	C1130507004	1000-10000 ug/mL 08/05/13	MeOH	05/14/13 BmS	2 x 1 mL
V664	8260 Addition	SPEX	VO-CTWI-12	C1130507005	1000-10000 ug/mL 08/05/13	MeOH	05/14/13 BmS	2 x 1 mL
V665	8260 Addition	SPEX	VO-CTWI-12	C1130701013	1000-10,000 ug/mL 09/29/13	MeOH	07/08/13 BmS	2 x 1 mL

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V628	8260 Spec I Additives mix	SPEX	VO-CTWI-5	111112A018	1000-50000ug/mL 5/2x/12	MeOH	3/12/12 AP6	2x1 - 2
V629	4bromo Trifluorotoluene	RESTEK	30083	A084034	10,000 ug/mL 10/2020	MeOH	03/26/12 Bms	2x1
V630	Unleaded Gas Composite	RESTEK	30205	A081012	50,000 ug/mL 05/2018	MeOH	03/26/12 Bms	2x1
V631	Pvoc/GRO Mix	ULTRA	UST-100	CH-2581	1000 ug/mL 09/30/2014	MeOH	04/17/12 Bms	4x1
V632	Unleaded Gas Std.	ULTRA	RGO-601	CH-0979	5000 ug/mL 04/30/2015	MeOH	04/17/12 Bms	2x1
V633	8260 Additives mix	SPEX	VO-CTWI-4	C112041001B	1000-10000ug/mL 7/9/12	MeOH	4/18/12 AP6	2x1
V634	8260 Additives mix	SPEX	VO-CTWI-4	C112041001A	1000-10000ug/mL 7/9/12	MeOH	4/18/12 AP6	2x1
V635	8260 Special Addition	SPEX	VO-CTWI-5	C1120620003	1000-50,000 ug/mL 12/17/12	MeOH	06/27/12 Bms	2x1
V636	8260 Special Addition	SPEX	VO-CTWI-5	C1120620004	1000-50,000 ug/mL 12/17/12	MeOH	06/27/12 Bms	2x1
V637	8260 Addition	SPEX	VO-CTWI-4	C1120703021	1000-10,000 ug/mL 10/01/12	MeOH	07/13/12 Bms	2x1
V638	8260 Addition	SPEX	VO-CTWI-4	C1120703022	1000-10,000 ug/mL 10/01/12	MeOH	07/13/12 Bms	2x1
V639	Fluorobenzene	ULTRA	STS-160	CE-4128A	2000 ug/mL 01/31/15	MeOH	09/10/12 Bms	4x1
V640	VOC Mix (8260)	ULTRA	DWM-588	CJ-3132	2000 ug/mL 09/30/15	MeOH	09/10/12 Bms	4x1
V641	VOC Mix (8260)	AccuStandard	M-502-10X	212061172	2000 ug/mL 06/27/15	MeOH	09/10/12 Bms	5x1
V642	8260 Special Addition	SPEX	VO-CTWI-5	C1120910009	1000-50000 ug/mL 03/09/13	MeOH	09/17/12 Bms	3x1
V643	8260 Special Addition	SPEX	VO-CTWI-5	C1120910010	1000-50000 ug/mL 03/09/13	MeOH	09/17/12 Bms	3x1
V644	8260 Addition	SPEX	VO-CTWI-4	C1120920011	1000-10,000 ug/mL 12/19/12	MeOH	09/28/12 Bms	2x1
V645	8260 Addition	SPEX	VO-CTWI-4	C1120920012	1000-10000 ug/mL 12/19/12	MeOH	09/28/12 Bms	2x1
V646	Acetonitrile	SPEX	S-145	C1100518007	1000 ug/mL 05/17/13	MeOH	10/15/12 Bms	1

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V609	Fluorobenzene	ULTRA	STS-160	CE-4128	2000 ug/mL 12/31/12	MeOH	09/19/11 BmS	4x1
V610	para-Trifluorotoluene	ULTRA	STS-220N	CE-1903A	2000 ug/mL 07/31/14	MeOH	09/19/11 BmS	4x1
V611	8260 SPEX Add.	SPEX	VO-CTWI-5	C1110914008	1000-10,000 2000 ug/mL 3/12/12	meoH	9/21/11 AP6	2x1
V612	8260 SPEX Add	SPEX	VO-CTWI-5	C1110914009	1000-10,000 2000 ug/mL 3/12/12	meoH	9/21/11 AP6	2x1
V613	PVOC/GRO Mix	RESTEK	30095	A072677	1000 ug/mL 3/17	MeOH	09/30/11 BmS	4x1
V614	Unleaded Gasoline	RESTEK	30205	A076842	50,000 ug/mL 10/17	MeOH	09/30/11 BmS	2x1
V615	SPEX SAE Add	SPEX	VO-CTWI-5	C1110914008	1000-10,000 2000 ug/mL 3/12/12	meoH	11/23/11 AP6	1x1
V616	8260 SPEX Add	SPEX	VO-CTWI-5	C1111123007	1000-10,000 2000 ug/mL 5/21/12	meoH	12/6/11 AP6	2x1
V617	8260 SPEX Add	SPEX	VO-CTWI-5	C1111129018	1000-10,000 2000 ug/mL 5/27/12	meoH	12/6/11 AP6	2x1
V618	Carbon Dioxide	Air Gas	X02He99C37A1894	Cylinder # XE0016953	10,000 ppmV 12/2014	1% CO_2/He	RS 12/19/11	1 cylinder @ 28.7 CF
V619	Methane, Ethene, Ethane Std.	Airgas	X04HE99C353Q80	Cylinder # 4774237	200 ppmV 12/2014	Helium	BmS 12/27/11	1 cylinder @ 31.6 CF
V620	8260 ISTD/SSTD mix	ULTRA	STM-540	CH-2681	2500 ug/mL 9/30/14	meoH	AP6 1/4/12	4x1
V621	Methane, Ethene, Ethane Std.	PRAXAIR	HE ET200EMIC-AQ	917830501	200 ppm 01/11/13	Helium	BmS 01/11/12	Re-Certified (V488)
V622	8260 Add.	SPEX	VO-CTWI-4	T1120105008	1000-10000 ug/mL 4/4/12	meoH	AP6 1/13/12	2x1
V623	8260 Add.	SPEX	VO-CTWI-4	T1120105009	1000-10000 ug/mL 4/4/12	meoH	AP6 1/13/12	2x1
V624	8260 VOC Mix	AccuStandard	M-502-10X	211071302	2000 ug/mL 8/1/14	MeOH	BmS 1/23/12	5x1
V625	8260 VOC Mix	ULTRA	DWM-588	CH-3655	2000 ug/mL 12/31/14	MeOH	BmS 02/24/12	4x1
V626	Carbon Dioxide Std.	Linde	5764 Mix	08499A7020ZE	10,000 ppm 03/02/13	Helium	BmS 03/02/12	Re-certified (CTLV 392)
V627	8260 Special Acetone mix	SPEX	VO-CTWI-5	C1111123007	1000-50000 ug/mL 5/21/12	meoH	AP6 3/12/12	2x1

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V590	Tetrachloroethene	ULTRA	EPA-1049	CG-3919	5000 ug/mL 12/31/14	MeOH	02/09/11 BmS	1
V591	8260 Addition	SPEX	VO-CTWI-4	C1110210015	1000 ug/mL 08/14/11	MeOH	02/18/11 BmS	2x1
V592	8260 Addition	SPEX	VO-CTWI-4	C1110210016	1000 ug/mL 08/14/11	MeOH	02/18/11 BmS	2x1
V593	8260 VOC mix	AccuStd.	M-502-10X	211011188	2000 ug/mL 2/9/14	meoH	2/28/11 APG	~~5x1~~ 5x1
V594	8260 Special Add	SPEX	VO-CTWI-5	C1110222024	1000 ug/mL 8/28/11	meoH	3/4/11 APG	2x1
V595	8260 Special Add	SPEX	VO-CTWI-5	C1110222025	1000 ug/mL 8/28/11	meoH	3/4/11 APG	2x1
V596	Unleaded Gasoline Std.	RESTEK	30096	A077232	5000 ug/mL 11/17	MeOH	04/08/11 BmS	2x1
V597	Unleaded Gasoline Std.	ULTRA	RGO-601	CE-3569	5000 ug/mL 8/12	MeOH	04/15/11 BmS	2x1
V598	8260 Special Add'n	SPEX	VO-CTWI-5	C1110222024	1000 ug/mL 10/26/11	MeOH	05/03/11 BmS	2x1
V599	8260 Special Add'n	SPEX	VO-CTWI-5	C1110222025	1000 ug/mL 10/26/11	MeOH	05/03/11 BmS	2x1
V600	8260 Addition	SPEX	VO-CTWI-4	C1110210015	1000 ug/mL 11/02/11	MeOH	05/11/11 BmS	2x1
V601	8260 Addition	SPEX	VO-CTWI-4	C1110210016	1000 ug/mL 11/02/11	MeOH	05/11/11 BmS	2x1
V602	8260 Addition	SPEX	VO-CTWI-4	C1110520004	1000 ug/mL 8/21/11	meoH	5/26/11 APG	2x1
V603	8260 Adj.	SPEX	VO-CTWI-4	C1110520005	1000 ug/mL 8/21/11	meoH	5/26/11 APG	2x1
V604	~~Reagent Alcohol~~ 07/14/11 Reagent Methanol	Fisher	A995-4	110858	HPLC Grade 91% 7/14/12	91%	7/14/11 RD	4L
V605	Retention Time Marker	Restek	30483	~~A0C381~~ A076381 7/14/11 RD	1000ug/mL 7/14/11 9/2017	MeOH	7/14/11 RD	1 ml
V606	Unleaded Gasoline Composite Std	Restek	30205	A076842	5000 ug/mL 10/2017	MeOH	7/14/11 RD	1 ml
V607	8260 VOC mix	Ultra Sci	DWM-588	CH-1897	2000 ug/mL 7/31/14	meoH	7/26/11 APG	4x1
V608	Reagent Alcohol	Fisher	A995-4	111670	HPLC Grade 91% 8/30/12	91%	8/30/11 RD	2x4L

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V571	8260 Special Addition	SPEX	XQ-5500-R1	CI100702005	1000 ug/mL 1/3/11	MeOH	7/12/10 BmS	3x1
V572	8260 Special Addition	SPEX	XQ-5500-R1	CI100702006	1000 ug/mL 1/3/11	MeOH	7/12/10 BmS	3x1
V573	8260 ISTD	Restek	30241	A072440	2500 ug/mL 1/15	meoh	7/16/10 APL	4x1
V574	Aroc/Gro mix	Restek	30095	A066306	1000 ug/mL 4/16	meoh	7/16/10 APL	4x1
V575	124-TMB 2-methylpentane	SPEX	VO-CTWI-1	T1100910001	1000 ug/mL 9/9/13	MeOH	9/14/10 BmS	4x1
V576	Fluorobenzene	ULTRA	~~STS-160 CE-4~~	CE-4128	2000 ug/mL 12/12	MeOH	9/27/10 BmS	4x1
V577	1,2-dichlorobenzene-d4	ULTRA	STS-210	CG-1939	2000 ug/mL 6/14	MeOH	9/27/10 BmS	4x1
V578	~~SPEX~~ 2-methoxypropane	SPEX	S-2732	R1040713002	1000 ug/mL 10/13	meoh	10/27/10 APL	2x1
V579	8260 Addition	SPEX	VO-CTWI-4	C1101029006	1000 ug/mL 5/7/11	MeOH	11/12/10 BmS	2x1
V580	8260 Addition	SPEX	VO-CTWI-4	C1101029007	1000 ug/mL 5/7/11	MeOH	11/12/10 BmS	2x1
V581	8260 Special Addition	SPEX	VO-CTWI-5	C1101101002	1000 ug/mL 5/7/11	MeOH	11/12/10 BmS	2x1
V582	8260 Special Addition	SPEX	VO-CTWI-5	C1101101003	1000 ug/mL 5/7/11	MeOH	11/12/10 BmS	2x1
V583	4-Bromofluorobenzene	ULTRA	STS-110N	CF-5373	2000 ug/mL 1/14	MeOH	11/19/10 BmS	4x1
V584	~~std~~-Trifluorotoluene	ULTRA	STS-220N	CE-1903	2000 ug/mL 6/12	MeOH	11/19/10 BmS	4x1
V585	8260 Istd Mix	RESTEK	30241	A072440	2500 ug/mL 1/15	MeOH	11/30/10 BmS	3x1
V586	8260 Sstd. Mix	RESTEK	30240	A076124	2500 ug/mL 8/15	MeOH	11/30/10 BmS	3x1
V587	PVOC/GRO Mix	ULTRA	UST-100	CF-3160	1000 ug/mL 8/12	MeOH	01/25/11 BmS	4x1
V588	~~std~~-Trifluorotoluene	ULTRA	STS-220N	CE-1903	2000 ug/mL 6/12	MeOH	01/25/11 BmS	4x1
V589	Fluorobenzene	ULTRA	STS-160	CE-4128	2000 ug/mL 12/12	MeOH	01/25/11 BmS	4x1

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SEMI-VOLATILE ORGANIC ANALYSIS
QUALITY CONTROL SUMMARY
DOCUMENTS

CT LABORATORIES
delivering more than data from your environmental analyses

1B

SEMIVOLATILE ORGANICS ANALYSIS

Sample Description: **083SB-0001M-0001-SO**

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.99 (g/L)	CTL Sample ID:	337811
% Solids:	97.5	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D-SIM	Analytical Prep Batch #	45490
Analytical Run #:	96978	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 14:27	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	2P080713	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
91-57-6	2-Methylnaphthalene	3.1		0.23	0.82	1.5	1.5
83-32-9	Acenaphthene	1.3	J	0.34	0.82	1.5	1.5
208-96-8	Acenaphthylene	0.46	J	0.25	0.82	1.5	1.5
120-12-7	Anthracene	1.1	J	0.32	0.82	1.5	1.5
56-55-3	Benzo(a)anthracene	4.7		0.33	0.82	1.5	1.5
50-32-8	Benzo(a)pyrene	2.6		0.29	0.82	1.5	1.5
205-99-2	Benzo(b)fluoranthene	6.7		0.41	0.82	1.5	1.5
191-24-2	Benzo(g,h,i)perylene	4.5		0.40	0.82	1.5	1.5
207-08-9	Benzo(k)fluoranthene	1.8		0.38	0.82	1.5	1.5
218-01-9	Chrysene	4.1		0.36	0.82	1.5	1.5
53-70-3	Dibenzo(a,h)anthracene	1.1	J	0.36	0.82	1.5	1.5
206-44-0	Fluoranthene	7.4		0.37	0.82	1.5	1.5
86-73-7	Fluorene	2.9		0.37	0.82	1.5	1.5
193-39-5	Indeno(1,2,3-cd)pyrene	3.2		0.37	0.82	1.5	1.5
91-20-3	Naphthalene	2.6		0.28	0.82	1.5	1.5
85-01-8	Phenanthrene	9.2		0.46	0.82	1.5	1.5
129-00-0	Pyrene	5.9		0.42	0.82	1.5	1.5

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.02 (g/L)	CTL Sample ID:	337811
% Solids:	97.5	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 17:15	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
120-82-1	1,2,4-Trichlorobenzene	61	U	21	61	120	120
95-50-1	1,2-Dichlorobenzene	61	U	25	61	120	120
541-73-1	1,3-Dichlorobenzene	61	U	20	61	120	120
106-46-7	1,4-Dichlorobenzene	61	U	19	61	120	120
95-95-4	2,4,5-Trichlorophenol	310	U	130	310	610	610
88-06-2	2,4,6-Trichlorophenol	310	U	130	310	610	610
120-83-2	2,4-Dichlorophenol	310	U	120	310	610	610
105-67-9	2,4-Dimethylphenol	310	U	100	310	610	610
51-28-5	2,4-Dinitrophenol	310	U	280	310	1000	1000
121-14-2	2,4-Dinitrotoluene	61	U	25	61	120	120
606-20-2	2,6-Dinitrotoluene	61	U	25	61	120	120
91-58-7	2-Chloronaphthalene	61	U	24	61	120	120
95-57-8	2-Chlorophenol	610	U	350	610	2000	2000
95-48-7	2-Methylphenol	610	U	430	610	2000	2000
88-74-4	2-Nitroaniline	61	U	24	61	120	120
88-75-5	2-Nitrophenol	310	U	290	310	1000	1000
1319-77-3	3 & 4-Methylphenol	1100	U	670	1100	3700	3700
91-94-1	3,3'-Dichlorobenzidine	150	U	150	150	510	510
99-09-2	3-Nitroaniline	61	U	23	61	120	120
534-52-1	4,6-Dinitro-2-methylphenol	310	U	280	310	1000	1000
101-55-3	4-Bromophenyl-phenyl ether	61	U	26	61	120	120
59-50-7	4-Chloro-3-methylphenol	610	U	390	610	2000	2000
106-47-8	4-Chloroaniline	61	U	40	61	200	200
7005-72-3	4-Chlorophenyl-phenyl ether	61	U	27	61	120	120

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.02 (g/L)	CTL Sample ID:	337811
% Solids:	97.5	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 17:15	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
100-01-6	4-Nitroaniline	61	U	31	61	120	120
100-02-7	4-Nitrophenol	610	U	410	610	2000	2000
65-85-0	Benzoic acid	1500	U	300	1500	3100	3100
100-51-6	Benzyl alcohol	120	U	85	120	410	410
111-91-1	Bis(2-chloroethoxy)methane	61	U	24	61	120	120
111-44-4	Bis(2-chloroethyl)ether	61	U	26	61	120	120
108-60-1	Bis(2-chloroisopropyl)ether	61	U	31	61	120	120
85-68-7	Butylbenzylphthalate	120	U	75	120	410	410
86-74-8	Carbazole	61	U	29	61	120	120
132-64-9	Dibenzofuran	61	U	25	61	120	120
84-66-2	Diethylphthalate	120	U	66	120	410	410
131-11-3	Dimethylphthalate	120	U	64	120	410	410
84-74-2	Di-n-butylphthalate	140	J	81	120	410	410
117-84-0	Di-n-octylphthalate	61	U	60	61	200	200
118-74-1	Hexachlorobenzene	61	U	29	61	120	120
87-68-3	Hexachlorobutadiene	120	U	63	120	410	410
77-47-4	Hexachlorocyclopentadiene	61	U	53	61	200	200
67-72-1	Hexachloroethane	61	U	34	61	120	120
78-59-1	Isophorone	61	U	51	61	200	200
98-95-3	Nitrobenzene	61	U	60	61	200	200
621-64-7	N-Nitroso-di-n-propylamine	120	U	72	120	410	410
86-30-6/122-39-4	N-Nitrosodiphenylamine & Diphn	120	U	51	120	250	250
87-86-5	Pentachlorophenol	310	U	250	310	1000	1000
108-95-2	Phenol	310	U	160	310	610	610

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	337812
% Solids:	97.5	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D-SIM	Analytical Prep Batch #	45490
Analytical Run #:	96978	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 14:47	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	2P080713	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
91-57-6	2-Methylnaphthalene	1.5		0.23	0.82	1.5	1.5
83-32-9	Acenaphthene	1.2	J	0.34	0.82	1.5	1.5
208-96-8	Acenaphthylene	0.82	U	0.25	0.82	1.5	1.5
120-12-7	Anthracene	2.4		0.32	0.82	1.5	1.5
56-55-3	Benzo(a)anthracene	5.3		0.33	0.82	1.5	1.5
50-32-8	Benzo(a)pyrene	2.1		0.29	0.82	1.5	1.5
205-99-2	Benzo(b)fluoranthene	6.0		0.41	0.82	1.5	1.5
191-24-2	Benzo(g,h,i)perylene	3.5		0.40	0.82	1.5	1.5
207-08-9	Benzo(k)fluoranthene	1.3	J	0.38	0.82	1.5	1.5
218-01-9	Chrysene	5.6		0.36	0.82	1.5	1.5
53-70-3	Dibenzo(a,h)anthracene	0.82	J	0.36	0.82	1.5	1.5
206-44-0	Fluoranthene	7.5		0.37	0.82	1.5	1.5
86-73-7	Fluorene	1.2	J	0.37	0.82	1.5	1.5
193-39-5	Indeno(1,2,3-cd)pyrene	2.2		0.37	0.82	1.5	1.5
91-20-3	Naphthalene	1.9		0.28	0.82	1.5	1.5
85-01-8	Phenanthrene	7.3		0.46	0.82	1.5	1.5
129-00-0	Pyrene	5.9		0.42	0.82	1.5	1.5

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	337812
% Solids:	97.5	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 17:34	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
120-82-1	1,2,4-Trichlorobenzene	62	U	22	62	120	120
95-50-1	1,2-Dichlorobenzene	62	U	25	62	120	120
541-73-1	1,3-Dichlorobenzene	62	U	21	62	120	120
106-46-7	1,4-Dichlorobenzene	62	U	19	62	120	120
95-95-4	2,4,5-Trichlorophenol	310	U	130	310	620	620
88-06-2	2,4,6-Trichlorophenol	310	U	130	310	620	620
120-83-2	2,4-Dichlorophenol	310	U	120	310	620	620
105-67-9	2,4-Dimethylphenol	310	U	100	310	620	620
51-28-5	2,4-Dinitrophenol	310	U	280	310	1000	1000
121-14-2	2,4-Dinitrotoluene	62	U	25	62	120	120
606-20-2	2,6-Dinitrotoluene	62	U	25	62	120	120
91-58-7	2-Chloronaphthalene	62	U	24	62	120	120
95-57-8	2-Chlorophenol	620	U	350	620	2100	2100
95-48-7	2-Methylphenol	620	U	430	620	2100	2100
88-74-4	2-Nitroaniline	62	U	24	62	120	120
88-75-5	2-Nitrophenol	310	U	290	310	1000	1000
1319-77-3	3 & 4-Methylphenol	1100	U	670	1100	3700	3700
91-94-1	3,3'-Dichlorobenzidine	150	U	150	150	510	510
99-09-2	3-Nitroaniline	62	U	23	62	120	120
534-52-1	4,6-Dinitro-2-methylphenol	310	U	280	310	1000	1000
101-55-3	4-Bromophenyl-phenyl ether	62	U	26	62	120	120
59-50-7	4-Chloro-3-methylphenol	620	U	390	620	2100	2100
106-47-8	4-Chloroaniline	62	U	40	62	210	210
7005-72-3	4-Chlorophenyl-phenyl ether	62	U	27	62	120	120

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	337812
% Solids:	97.5	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 17:34	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
100-01-6	4-Nitroaniline	62	U	31	62	120	120
100-02-7	4-Nitrophenol	620	U	410	620	2100	2100
65-85-0	Benzoic acid	1500	U	300	1500	3100	3100
100-51-6	Benzyl alcohol	120	U	85	120	410	410
111-91-1	Bis(2-chloroethoxy)methane	62	U	24	62	120	120
111-44-4	Bis(2-chloroethyl)ether	62	U	26	62	120	120
108-60-1	Bis(2-chloroisopropyl)ether	62	U	31	62	120	120
85-68-7	Butylbenzylphthalate	120	U	75	120	410	410
86-74-8	Carbazole	62	U	29	62	120	120
132-64-9	Dibenzofuran	62	U	25	62	120	120
84-66-2	Diethylphthalate	120	U	66	120	410	410
131-11-3	Dimethylphthalate	120	U	65	120	410	410
84-74-2	Di-n-butylphthalate	90	J	81	120	410	410
117-84-0	Di-n-octylphthalate	91	J	61	62	210	210
118-74-1	Hexachlorobenzene	62	U	29	62	120	120
87-68-3	Hexachlorobutadiene	120	U	64	120	410	410
77-47-4	Hexachlorocyclopentadiene	62	U	53	62	210	210
67-72-1	Hexachloroethane	62	U	34	62	120	120
78-59-1	Isophorone	62	U	51	62	210	210
98-95-3	Nitrobenzene	62	U	61	62	210	210
621-64-7	N-Nitroso-di-n-propylamine	120	U	72	120	410	410
86-30-6/122-39-4	N-Nitrosodiphenylamine & Diphn	120	U	51	120	250	250
87-86-5	Pentachlorophenol	310	U	250	310	1000	1000
108-95-2	Phenol	310	U	160	310	620	620

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.01 (g/L)	CTL Sample ID:	337813
% Solids:	96.0	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D-SIM	Analytical Prep Batch #	45490
Analytical Run #:	96978	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 15:07	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	2P080713	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
91-57-6	2-Methylnaphthalene	1.2	J	0.23	0.83	1.6	1.6
83-32-9	Acenaphthene	0.83	U	0.34	0.83	1.6	1.6
208-96-8	Acenaphthylene	0.83	U	0.25	0.83	1.6	1.6
120-12-7	Anthracene	1.0	J	0.32	0.83	1.6	1.6
56-55-3	Benzo(a)anthracene	1.5	J B	0.33	0.83	1.6	1.6
50-32-8	Benzo(a)pyrene	0.78	J	0.29	0.83	1.6	1.6
205-99-2	Benzo(b)fluoranthene	4.5		0.42	0.83	1.6	1.6
191-24-2	Benzo(g,h,i)perylene	2.6		0.41	0.83	1.6	1.6
207-08-9	Benzo(k)fluoranthene	0.70	J	0.39	0.83	1.6	1.6
218-01-9	Chrysene	7.6		0.36	0.83	1.6	1.6
53-70-3	Dibenzo(a,h)anthracene	0.62	J	0.36	0.83	1.6	1.6
206-44-0	Fluoranthene	2.3		0.37	0.83	1.6	1.6
86-73-7	Fluorene	0.56	J	0.37	0.83	1.6	1.6
193-39-5	Indeno(1,2,3-cd)pyrene	1.3	J	0.37	0.83	1.6	1.6
91-20-3	Naphthalene	1.5	J	0.28	0.83	1.6	1.6
85-01-8	Phenanthrene	4.6		0.47	0.83	1.6	1.6
129-00-0	Pyrene	2.0		0.43	0.83	1.6	1.6

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.01 (g/L)	CTL Sample ID:	337813
% Solids:	96.0	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 17:52	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
120-82-1	1,2,4-Trichlorobenzene	62	U	22	62	120	120
95-50-1	1,2-Dichlorobenzene	62	U	25	62	120	120
541-73-1	1,3-Dichlorobenzene	62	U	21	62	120	120
106-46-7	1,4-Dichlorobenzene	62	U	20	62	120	120
95-95-4	2,4,5-Trichlorophenol	310	U	140	310	620	620
88-06-2	2,4,6-Trichlorophenol	310	U	140	310	620	620
120-83-2	2,4-Dichlorophenol	310	U	120	310	620	620
105-67-9	2,4-Dimethylphenol	310	U	100	310	620	620
51-28-5	2,4-Dinitrophenol	310	U	280	310	1000	1000
121-14-2	2,4-Dinitrotoluene	62	U	25	62	120	120
606-20-2	2,6-Dinitrotoluene	62	U	25	62	120	120
91-58-7	2-Chloronaphthalene	62	U	24	62	120	120
95-57-8	2-Chlorophenol	620	U	350	620	2100	2100
95-48-7	2-Methylphenol	620	U	440	620	2100	2100
88-74-4	2-Nitroaniline	62	U	24	62	120	120
88-75-5	2-Nitrophenol	310	U	290	310	1000	1000
1319-77-3	3 & 4-Methylphenol	1100	U	680	1100	3700	3700
91-94-1	3,3'-Dichlorobenzidine	160	U	160	160	520	520
99-09-2	3-Nitroaniline	62	U	23	62	120	120
534-52-1	4,6-Dinitro-2-methylphenol	310	U	280	310	1000	1000
101-55-3	4-Bromophenyl-phenyl ether	62	U	26	62	120	120
59-50-7	4-Chloro-3-methylphenol	620	U	400	620	2100	2100
106-47-8	4-Chloroaniline	62	U	41	62	210	210
7005-72-3	4-Chlorophenyl-phenyl ether	62	U	27	62	120	120

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.01 (g/L)	CTL Sample ID:	337813
% Solids:	96.0	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 17:52	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
100-01-6	4-Nitroaniline	62	U	31	62	120	120
100-02-7	4-Nitrophenol	620	U	420	620	2100	2100
65-85-0	Benzoic acid	1600	U	300	1600	3100	3100
100-51-6	Benzyl alcohol	120	U	86	120	420	420
111-91-1	Bis(2-chloroethoxy)methane	62	U	24	62	120	120
111-44-4	Bis(2-chloroethyl)ether	62	U	26	62	120	120
108-60-1	Bis(2-chloroisopropyl)ether	62	U	31	62	120	120
85-68-7	Butylbenzylphthalate	120	U	76	120	420	420
86-74-8	Carbazole	62	U	29	62	120	120
132-64-9	Dibenzofuran	62	U	25	62	120	120
84-66-2	Diethylphthalate	120	U	67	120	420	420
131-11-3	Dimethylphthalate	120	U	66	120	420	420
84-74-2	Di-n-butylphthalate	120	U	82	120	420	420
117-84-0	Di-n-octylphthalate	62	U	61	62	210	210
118-74-1	Hexachlorobenzene	62	U	29	62	120	120
87-68-3	Hexachlorobutadiene	120	U	65	120	420	420
77-47-4	Hexachlorocyclopentadiene	62	U	54	62	210	210
67-72-1	Hexachloroethane	62	U	34	62	120	120
78-59-1	Isophorone	62	U	52	62	210	210
98-95-3	Nitrobenzene	62	U	61	62	210	210
621-64-7	N-Nitroso-di-n-propylamine	120	U	73	120	420	420
86-30-6/122-39-4	N-Nitrosodiphenylamine & Diphn	120	U	52	120	250	250
87-86-5	Pentachlorophenol	310	U	250	310	1000	1000
108-95-2	Phenol	310	U	170	310	620	620

CT LABORATORIES
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1B

SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.02 (g/L)	CTL Sample ID:	337815
% Solids:	95.6	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D-SIM	Analytical Prep Batch #	45490
Analytical Run #:	96978	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 15:27	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	2P080713	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
91-57-6	2-Methylnaphthalene	1.6		0.23	0.84	1.6	1.6
83-32-9	Acenaphthene	2.0		0.34	0.84	1.6	1.6
208-96-8	Acenaphthylene	0.84	U	0.25	0.84	1.6	1.6
120-12-7	Anthracene	3.8	Y	0.32	0.84	1.6	1.6
56-55-3	Benzo(a)anthracene	16	Y	0.33	0.84	1.6	1.6
50-32-8	Benzo(a)pyrene	6.8		0.29	0.84	1.6	1.6
205-99-2	Benzo(b)fluoranthene	16	Y	0.42	0.84	1.6	1.6
191-24-2	Benzo(g,h,i)perylene	8.3	Y	0.41	0.84	1.6	1.6
207-08-9	Benzo(k)fluoranthene	3.1		0.39	0.84	1.6	1.6
218-01-9	Chrysene	14	M	0.37	0.84	1.6	1.6
53-70-3	Dibenzo(a,h)anthracene	1.9	Y	0.37	0.84	1.6	1.6
206-44-0	Fluoranthene	24	M	0.38	0.84	1.6	1.6
86-73-7	Fluorene	1.3	J	0.38	0.84	1.6	1.6
193-39-5	Indeno(1,2,3-cd)pyrene	5.2	Y	0.38	0.84	1.6	1.6
91-20-3	Naphthalene	1.8		0.28	0.84	1.6	1.6
85-01-8	Phenanthrene	16	Y	0.47	0.84	1.6	1.6
129-00-0	Pyrene	18		0.43	0.84	1.6	1.6

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.96 (g/L)	CTL Sample ID:	337815
% Solids:	95.6	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 18:10	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
120-82-1	1,2,4-Trichlorobenzene	63	U	22	63	130	130
95-50-1	1,2-Dichlorobenzene	63	U	25	63	130	130
541-73-1	1,3-Dichlorobenzene	63	U	21	63	130	130
106-46-7	1,4-Dichlorobenzene	63	U	20	63	130	130
95-95-4	2,4,5-Trichlorophenol	320	U	140	320	630	630
88-06-2	2,4,6-Trichlorophenol	320	U	140	320	630	630
120-83-2	2,4-Dichlorophenol	320	U	130	320	630	630
105-67-9	2,4-Dimethylphenol	320	U	100	320	630	630
51-28-5	2,4-Dinitrophenol	320	U	280	320	1100	1100
121-14-2	2,4-Dinitrotoluene	63	U	25	63	130	130
606-20-2	2,6-Dinitrotoluene	63	U	25	63	130	130
91-58-7	2-Chloronaphthalene	63	U	24	63	130	130
95-57-8	2-Chlorophenol	630	U	360	630	2100	2100
95-48-7	2-Methylphenol	630	U	440	630	2100	2100
88-74-4	2-Nitroaniline	63	U	24	63	130	130
88-75-5	2-Nitrophenol	320	U	290	320	1100	1100
1319-77-3	3 & 4-Methylphenol	1100	U	680	1100	3800	3800
91-94-1	3,3'-Dichlorobenzidine	160	U	160	160	530	530
99-09-2	3-Nitroaniline	63	U	23	63	130	130
534-52-1	4,6-Dinitro-2-methylphenol	320	U	280	320	1100	1100
101-55-3	4-Bromophenyl-phenyl ether	63	U	26	63	130	130
59-50-7	4-Chloro-3-methylphenol	630	U	400	630	2100	2100
106-47-8	4-Chloroaniline	63	U	41	63	210	210
7005-72-3	4-Chlorophenyl-phenyl ether	63	U	27	63	130	130

CT LABORATORIES
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1B

SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.96 (g/L)	CTL Sample ID:	337815
% Solids:	95.6	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 18:10	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
100-01-6	4-Nitroaniline	63	U	32	63	130	130
100-02-7	4-Nitrophenol	630	U	420	630	2100	2100
65-85-0	Benzoic acid	1600	U	310	1600	3200	3200
100-51-6	Benzyl alcohol	130	U M,Y	87	130	420	420
111-91-1	Bis(2-chloroethoxy)methane	63	U	24	63	130	130
111-44-4	Bis(2-chloroethyl)ether	63	U	26	63	130	130
108-60-1	Bis(2-chloroisopropyl)ether	63	U	32	63	130	130
85-68-7	Butylbenzylphthalate	130	U	77	130	420	420
86-74-8	Carbazole	63	U	29	63	130	130
132-64-9	Dibenzofuran	63	U	25	63	130	130
84-66-2	Diethylphthalate	130	U	67	130	420	420
131-11-3	Dimethylphthalate	130	U	66	130	420	420
84-74-2	Di-n-butylphthalate	130	U	83	130	420	420
117-84-0	Di-n-octylphthalate	63	U	62	63	210	210
118-74-1	Hexachlorobenzene	63	U	29	63	130	130
87-68-3	Hexachlorobutadiene	130	U	65	130	420	420
77-47-4	Hexachlorocyclopentadiene	63	U Y	55	63	210	210
67-72-1	Hexachloroethane	63	U	35	63	130	130
78-59-1	Isophorone	63	U	53	63	210	210
98-95-3	Nitrobenzene	63	U	62	63	210	210
621-64-7	N-Nitroso-di-n-propylamine	130	U	74	130	420	420
86-30-6/122-39-4	N-Nitrosodiphenylamine & Diphn	130	U	53	130	250	250
87-86-5	Pentachlorophenol	320	U	250	320	1100	1100
108-95-2	Phenol	320	U	170	320	630	630

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.03 (g/L)	CTL Sample ID:	337818
% Solids:	94.1	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D-SIM	Analytical Prep Batch #	45490
Analytical Run #:	96978	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 15:46	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	2P080713	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
91-57-6	2-Methylnaphthalene	1.9		0.23	0.85	1.6	1.6
83-32-9	Acenaphthene	0.78	J	0.35	0.85	1.6	1.6
208-96-8	Acenaphthylene	0.85	U	0.25	0.85	1.6	1.6
120-12-7	Anthracene	2.1		0.33	0.85	1.6	1.6
56-55-3	Benzo(a)anthracene	7.3		0.34	0.85	1.6	1.6
50-32-8	Benzo(a)pyrene	3.2		0.30	0.85	1.6	1.6
205-99-2	Benzo(b)fluoranthene	8.9		0.42	0.85	1.6	1.6
191-24-2	Benzo(g,h,i)perylene	6.0		0.41	0.85	1.6	1.6
207-08-9	Benzo(k)fluoranthene	1.9		0.39	0.85	1.6	1.6
218-01-9	Chrysene	8.3		0.37	0.85	1.6	1.6
53-70-3	Dibenzo(a,h)anthracene	1.2	J	0.37	0.85	1.6	1.6
206-44-0	Fluoranthene	10		0.38	0.85	1.6	1.6
86-73-7	Fluorene	0.93	J	0.38	0.85	1.6	1.6
193-39-5	Indeno(1,2,3-cd)pyrene	3.6		0.38	0.85	1.6	1.6
91-20-3	Naphthalene	2.0		0.29	0.85	1.6	1.6
85-01-8	Phenanthrene	11		0.48	0.85	1.6	1.6
129-00-0	Pyrene	8.1		0.43	0.85	1.6	1.6

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.01 (g/L)	CTL Sample ID:	337818
% Solids:	94.1	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 18:29	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
120-82-1	1,2,4-Trichlorobenzene	64	U	22	64	130	130
95-50-1	1,2-Dichlorobenzene	64	U	25	64	130	130
541-73-1	1,3-Dichlorobenzene	64	U	21	64	130	130
106-46-7	1,4-Dichlorobenzene	64	U	20	64	130	130
95-95-4	2,4,5-Trichlorophenol	320	U	140	320	640	640
88-06-2	2,4,6-Trichlorophenol	320	U	140	320	640	640
120-83-2	2,4-Dichlorophenol	320	U	130	320	640	640
105-67-9	2,4-Dimethylphenol	320	U	110	320	640	640
51-28-5	2,4-Dinitrophenol	320	U	290	320	1100	1100
121-14-2	2,4-Dinitrotoluene	64	U	25	64	130	130
606-20-2	2,6-Dinitrotoluene	64	U	25	64	130	130
91-58-7	2-Chloronaphthalene	64	U	24	64	130	130
95-57-8	2-Chlorophenol	640	U	360	640	2100	2100
95-48-7	2-Methylphenol	640	U	450	640	2100	2100
88-74-4	2-Nitroaniline	64	U	24	64	130	130
88-75-5	2-Nitrophenol	320	U	300	320	1100	1100
1319-77-3	3 & 4-Methylphenol	1100	U	690	1100	3800	3800
91-94-1	3,3'-Dichlorobenzidine	160	U	160	160	530	530
99-09-2	3-Nitroaniline	64	U	23	64	130	130
534-52-1	4,6-Dinitro-2-methylphenol	320	U	290	320	1100	1100
101-55-3	4-Bromophenyl-phenyl ether	64	U	27	64	130	130
59-50-7	4-Chloro-3-methylphenol	640	U	400	640	2100	2100
106-47-8	4-Chloroaniline	64	U	41	64	210	210
7005-72-3	4-Chlorophenyl-phenyl ether	64	U	28	64	130	130

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.01 (g/L)	CTL Sample ID:	337818
% Solids:	94.1	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 18:29	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
100-01-6	4-Nitroaniline	64	U	32	64	130	130
100-02-7	4-Nitrophenol	640	U	420	640	2100	2100
65-85-0	Benzoic acid	1600	U	310	1600	3200	3200
100-51-6	Benzyl alcohol	130	U	88	130	420	420
111-91-1	Bis(2-chloroethoxy)methane	64	U	24	64	130	130
111-44-4	Bis(2-chloroethyl)ether	64	U	27	64	130	130
108-60-1	Bis(2-chloroisopropyl)ether	64	U	32	64	130	130
85-68-7	Butylbenzylphthalate	130	U	77	130	420	420
86-74-8	Carbazole	64	U	30	64	130	130
132-64-9	Dibenzofuran	64	U	25	64	130	130
84-66-2	Diethylphthalate	130	U	68	130	420	420
131-11-3	Dimethylphthalate	130	U	67	130	420	420
84-74-2	Di-n-butylphthalate	130	U	84	130	420	420
117-84-0	Di-n-octylphthalate	64	U	63	64	210	210
118-74-1	Hexachlorobenzene	64	U	30	64	130	130
87-68-3	Hexachlorobutadiene	130	U	66	130	420	420
77-47-4	Hexachlorocyclopentadiene	64	U	55	64	210	210
67-72-1	Hexachloroethane	64	U	35	64	130	130
78-59-1	Isophorone	64	U	53	64	210	210
98-95-3	Nitrobenzene	64	U	63	64	210	210
621-64-7	N-Nitroso-di-n-propylamine	130	U	74	130	420	420
86-30-6/122-39-4	N-Nitrosodiphenylamine & Diphn	130	U	53	130	250	250
87-86-5	Pentachlorophenol	320	U	250	320	1100	1100
108-95-2	Phenol	320	U	170	320	640	640

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.99 (g/L)	CTL Sample ID:	337820
% Solids:	97.1	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D-SIM	Analytical Prep Batch #	45490
Analytical Run #:	96978	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 16:06	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	2P080713	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
91-57-6	2-Methylnaphthalene	2.0		0.23	0.82	1.5	1.5
83-32-9	Acenaphthene	0.71	J	0.34	0.82	1.5	1.5
208-96-8	Acenaphthylene	0.82	U	0.25	0.82	1.5	1.5
120-12-7	Anthracene	7.5		0.32	0.82	1.5	1.5
56-55-3	Benzo(a)anthracene	11		0.33	0.82	1.5	1.5
50-32-8	Benzo(a)pyrene	1.4	J	0.29	0.82	1.5	1.5
205-99-2	Benzo(b)fluoranthene	5.1		0.41	0.82	1.5	1.5
191-24-2	Benzo(g,h,i)perylene	3.8		0.40	0.82	1.5	1.5
207-08-9	Benzo(k)fluoranthene	0.98	J	0.38	0.82	1.5	1.5
218-01-9	Chrysene	8.3		0.36	0.82	1.5	1.5
53-70-3	Dibenzo(a,h)anthracene	0.75	J	0.36	0.82	1.5	1.5
206-44-0	Fluoranthene	4.1		0.37	0.82	1.5	1.5
86-73-7	Fluorene	0.74	J	0.37	0.82	1.5	1.5
193-39-5	Indeno(1,2,3-cd)pyrene	1.8		0.37	0.82	1.5	1.5
91-20-3	Naphthalene	2.6		0.28	0.82	1.5	1.5
85-01-8	Phenanthrene	7.7		0.46	0.82	1.5	1.5
129-00-0	Pyrene	3.6		0.42	0.82	1.5	1.5

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.98 (g/L)	CTL Sample ID:	337820
% Solids:	97.1	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 18:47	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
120-82-1	1,2,4-Trichlorobenzene	62	U	22	62	120	120
95-50-1	1,2-Dichlorobenzene	62	U	25	62	120	120
541-73-1	1,3-Dichlorobenzene	62	U	21	62	120	120
106-46-7	1,4-Dichlorobenzene	62	U	20	62	120	120
95-95-4	2,4,5-Trichlorophenol	310	U	130	310	620	620
88-06-2	2,4,6-Trichlorophenol	310	U	130	310	620	620
120-83-2	2,4-Dichlorophenol	310	U	120	310	620	620
105-67-9	2,4-Dimethylphenol	310	U	100	310	620	620
51-28-5	2,4-Dinitrophenol	310	U	280	310	1000	1000
121-14-2	2,4-Dinitrotoluene	62	U	25	62	120	120
606-20-2	2,6-Dinitrotoluene	62	U	25	62	120	120
91-58-7	2-Chloronaphthalene	62	U	24	62	120	120
95-57-8	2-Chlorophenol	620	U	350	620	2100	2100
95-48-7	2-Methylphenol	620	U	430	620	2100	2100
88-74-4	2-Nitroaniline	62	U	24	62	120	120
88-75-5	2-Nitrophenol	310	U	290	310	1000	1000
1319-77-3	3 & 4-Methylphenol	1100	U	670	1100	3700	3700
91-94-1	3,3'-Dichlorobenzidine	150	U	150	150	520	520
99-09-2	3-Nitroaniline	62	U	23	62	120	120
534-52-1	4,6-Dinitro-2-methylphenol	310	U	280	310	1000	1000
101-55-3	4-Bromophenyl-phenyl ether	62	U	26	62	120	120
59-50-7	4-Chloro-3-methylphenol	620	U	390	620	2100	2100
106-47-8	4-Chloroaniline	62	U	40	62	210	210
7005-72-3	4-Chlorophenyl-phenyl ether	62	U	27	62	120	120

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.98 (g/L)	CTL Sample ID:	337820
% Solids:	97.1	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 18:47	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
100-01-6	4-Nitroaniline	62	U	31	62	120	120
100-02-7	4-Nitrophenol	620	U	410	620	2100	2100
65-85-0	Benzoic acid	1500	U	300	1500	3100	3100
100-51-6	Benzyl alcohol	120	U	86	120	410	410
111-91-1	Bis(2-chloroethoxy)methane	62	U	24	62	120	120
111-44-4	Bis(2-chloroethyl)ether	62	U	26	62	120	120
108-60-1	Bis(2-chloroisopropyl)ether	62	U	31	62	120	120
85-68-7	Butylbenzylphthalate	120	U	75	120	410	410
86-74-8	Carbazole	62	U	29	62	120	120
132-64-9	Dibenzofuran	62	U	25	62	120	120
84-66-2	Diethylphthalate	120	U	66	120	410	410
131-11-3	Dimethylphthalate	120	U	65	120	410	410
84-74-2	Di-n-butylphthalate	120	U	82	120	410	410
117-84-0	Di-n-octylphthalate	62	U	61	62	210	210
118-74-1	Hexachlorobenzene	62	U	29	62	120	120
87-68-3	Hexachlorobutadiene	120	U	64	120	410	410
77-47-4	Hexachlorocyclopentadiene	62	U	54	62	210	210
67-72-1	Hexachloroethane	62	U	34	62	120	120
78-59-1	Isophorone	62	U	52	62	210	210
98-95-3	Nitrobenzene	62	U	61	62	210	210
621-64-7	N-Nitroso-di-n-propylamine	120	U	72	120	410	410
86-30-6/122-39-4	N-Nitrosodiphenylamine & Diphn	120	U	52	120	250	250
87-86-5	Pentachlorophenol	310	U	250	310	1000	1000
108-95-2	Phenol	310	U	170	310	620	620

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	337822
% Solids:	94.9	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D-SIM	Analytical Prep Batch #	45490
Analytical Run #:	96978	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 16:26	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	2P080713	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
91-57-6	2-Methylnaphthalene	1.7		0.23	0.84	1.6	1.6
83-32-9	Acenaphthene	0.84	U	0.35	0.84	1.6	1.6
208-96-8	Acenaphthylene	0.84	U	0.25	0.84	1.6	1.6
120-12-7	Anthracene	0.84	U	0.33	0.84	1.6	1.6
56-55-3	Benzo(a)anthracene	0.84	U	0.34	0.84	1.6	1.6
50-32-8	Benzo(a)pyrene	0.45	J	0.30	0.84	1.6	1.6
205-99-2	Benzo(b)fluoranthene	4.5		0.42	0.84	1.6	1.6
191-24-2	Benzo(g,h,i)perylene	3.0		0.41	0.84	1.6	1.6
207-08-9	Benzo(k)fluoranthene	0.84	U	0.39	0.84	1.6	1.6
218-01-9	Chrysene	9.4		0.37	0.84	1.6	1.6
53-70-3	Dibenzo(a,h)anthracene	0.57	J	0.37	0.84	1.6	1.6
206-44-0	Fluoranthene	1.5	J	0.38	0.84	1.6	1.6
86-73-7	Fluorene	0.62	J	0.38	0.84	1.6	1.6
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	J	0.38	0.84	1.6	1.6
91-20-3	Naphthalene	1.7		0.28	0.84	1.6	1.6
85-01-8	Phenanthrene	4.7		0.47	0.84	1.6	1.6
129-00-0	Pyrene	1.4	J	0.43	0.84	1.6	1.6

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.03 (g/L)	CTL Sample ID:	337822
% Solids:	94.9	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 19:05	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
120-82-1	1,2,4-Trichlorobenzene	63	U	22	63	130	130
95-50-1	1,2-Dichlorobenzene	63	U	25	63	130	130
541-73-1	1,3-Dichlorobenzene	63	U	21	63	130	130
106-46-7	1,4-Dichlorobenzene	63	U	20	63	130	130
95-95-4	2,4,5-Trichlorophenol	320	U	140	320	630	630
88-06-2	2,4,6-Trichlorophenol	320	U	140	320	630	630
120-83-2	2,4-Dichlorophenol	320	U	130	320	630	630
105-67-9	2,4-Dimethylphenol	320	U	100	320	630	630
51-28-5	2,4-Dinitrophenol	320	U	280	320	1100	1100
121-14-2	2,4-Dinitrotoluene	63	U	25	63	130	130
606-20-2	2,6-Dinitrotoluene	63	U	25	63	130	130
91-58-7	2-Chloronaphthalene	63	U	24	63	130	130
95-57-8	2-Chlorophenol	630	U	360	630	2100	2100
95-48-7	2-Methylphenol	630	U	440	630	2100	2100
88-74-4	2-Nitroaniline	63	U	24	63	130	130
88-75-5	2-Nitrophenol	320	U	290	320	1100	1100
1319-77-3	3 & 4-Methylphenol	1100	U	680	1100	3800	3800
91-94-1	3,3'-Dichlorobenzidine	160	U	160	160	530	530
99-09-2	3-Nitroaniline	63	U	23	63	130	130
534-52-1	4,6-Dinitro-2-methylphenol	320	U	280	320	1100	1100
101-55-3	4-Bromophenyl-phenyl ether	63	U	26	63	130	130
59-50-7	4-Chloro-3-methylphenol	630	U	400	630	2100	2100
106-47-8	4-Chloroaniline	63	U	41	63	210	210
7005-72-3	4-Chlorophenyl-phenyl ether	63	U	27	63	130	130

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.03 (g/L)	CTL Sample ID:	337822
% Solids:	94.9	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 19:05	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
100-01-6	4-Nitroaniline	63	U	32	63	130	130
100-02-7	4-Nitrophenol	630	U	420	630	2100	2100
65-85-0	Benzoic acid	1600	U	310	1600	3200	3200
100-51-6	Benzyl alcohol	130	U	87	130	420	420
111-91-1	Bis(2-chloroethoxy)methane	63	U	24	63	130	130
111-44-4	Bis(2-chloroethyl)ether	63	U	26	63	130	130
108-60-1	Bis(2-chloroisopropyl)ether	63	U	32	63	130	130
85-68-7	Butylbenzylphthalate	130	U	77	130	420	420
86-74-8	Carbazole	63	U	29	63	130	130
132-64-9	Dibenzofuran	63	U	25	63	130	130
84-66-2	Diethylphthalate	130	U	67	130	420	420
131-11-3	Dimethylphthalate	130	U	66	130	420	420
84-74-2	Di-n-butylphthalate	130	U	83	130	420	420
117-84-0	Di-n-octylphthalate	63	U	62	63	210	210
118-74-1	Hexachlorobenzene	63	U	29	63	130	130
87-68-3	Hexachlorobutadiene	130	U	65	130	420	420
77-47-4	Hexachlorocyclopentadiene	63	U	55	63	210	210
67-72-1	Hexachloroethane	63	U	35	63	130	130
78-59-1	Isophorone	63	U	53	63	210	210
98-95-3	Nitrobenzene	63	U	62	63	210	210
621-64-7	N-Nitroso-di-n-propylamine	130	U	74	130	420	420
86-30-6/122-39-4	N-Nitrosodiphenylamine & Diphn	130	U	53	130	250	250
87-86-5	Pentachlorophenol	320	U	250	320	1100	1100
108-95-2	Phenol	320	U	170	320	630	630

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.98 (g/L)	CTL Sample ID:	337824
% Solids:	96.1	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D-SIM	Analytical Prep Batch #	45490
Analytical Run #:	96978	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 16:46	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	2P080713	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
91-57-6	2-Methylnaphthalene	2.8		0.23	0.83	1.6	1.6
83-32-9	Acenaphthene	0.54	J	0.34	0.83	1.6	1.6
208-96-8	Acenaphthylene	0.83	U	0.25	0.83	1.6	1.6
120-12-7	Anthracene	0.83	U	0.32	0.83	1.6	1.6
56-55-3	Benzo(a)anthracene	2.3	B	0.33	0.83	1.6	1.6
50-32-8	Benzo(a)pyrene	1.2	J	0.29	0.83	1.6	1.6
205-99-2	Benzo(b)fluoranthene	5.7		0.42	0.83	1.6	1.6
191-24-2	Benzo(g,h,i)perylene	5.4		0.41	0.83	1.6	1.6
207-08-9	Benzo(k)fluoranthene	0.57	J	0.39	0.83	1.6	1.6
218-01-9	Chrysene	9.6		0.36	0.83	1.6	1.6
53-70-3	Dibenzo(a,h)anthracene	0.91	J	0.36	0.83	1.6	1.6
206-44-0	Fluoranthene	3.1		0.38	0.83	1.6	1.6
86-73-7	Fluorene	0.54	J	0.38	0.83	1.6	1.6
193-39-5	Indeno(1,2,3-cd)pyrene	1.9		0.38	0.83	1.6	1.6
91-20-3	Naphthalene	2.9		0.28	0.83	1.6	1.6
85-01-8	Phenanthrene	7.4		0.47	0.83	1.6	1.6
129-00-0	Pyrene	3.2		0.43	0.83	1.6	1.6

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.03 (g/L)	CTL Sample ID:	337824
% Solids:	96.1	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 19:24	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
120-82-1	1,2,4-Trichlorobenzene	62	U	22	62	120	120
95-50-1	1,2-Dichlorobenzene	62	U	25	62	120	120
541-73-1	1,3-Dichlorobenzene	62	U	21	62	120	120
106-46-7	1,4-Dichlorobenzene	62	U	20	62	120	120
95-95-4	2,4,5-Trichlorophenol	310	U	130	310	620	620
88-06-2	2,4,6-Trichlorophenol	310	U	130	310	620	620
120-83-2	2,4-Dichlorophenol	310	U	120	310	620	620
105-67-9	2,4-Dimethylphenol	310	U	100	310	620	620
51-28-5	2,4-Dinitrophenol	310	U	280	310	1000	1000
121-14-2	2,4-Dinitrotoluene	62	U	25	62	120	120
606-20-2	2,6-Dinitrotoluene	62	U	25	62	120	120
91-58-7	2-Chloronaphthalene	62	U	24	62	120	120
95-57-8	2-Chlorophenol	620	U	350	620	2100	2100
95-48-7	2-Methylphenol	620	U	440	620	2100	2100
88-74-4	2-Nitroaniline	62	U	24	62	120	120
88-75-5	2-Nitrophenol	310	U	290	310	1000	1000
1319-77-3	3 & 4-Methylphenol	1100	U	670	1100	3700	3700
91-94-1	3,3'-Dichlorobenzidine	160	U	160	160	520	520
99-09-2	3-Nitroaniline	62	U	23	62	120	120
534-52-1	4,6-Dinitro-2-methylphenol	310	U	280	310	1000	1000
101-55-3	4-Bromophenyl-phenyl ether	62	U	26	62	120	120
59-50-7	4-Chloro-3-methylphenol	620	U	390	620	2100	2100
106-47-8	4-Chloroaniline	62	U	40	62	210	210
7005-72-3	4-Chlorophenyl-phenyl ether	62	U	27	62	120	120

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.03 (g/L)	CTL Sample ID:	337824
% Solids:	96.1	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 19:24	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
100-01-6	4-Nitroaniline	62	U	31	62	120	120
100-02-7	4-Nitrophenol	620	U	410	620	2100	2100
65-85-0	Benzoic acid	1600	U	300	1600	3100	3100
100-51-6	Benzyl alcohol	120	U	86	120	410	410
111-91-1	Bis(2-chloroethoxy)methane	62	U	24	62	120	120
111-44-4	Bis(2-chloroethyl)ether	62	U	26	62	120	120
108-60-1	Bis(2-chloroisopropyl)ether	62	U	31	62	120	120
85-68-7	Butylbenzylphthalate	120	U	76	120	410	410
86-74-8	Carbazole	62	U	29	62	120	120
132-64-9	Dibenzofuran	62	U	25	62	120	120
84-66-2	Diethylphthalate	120	U	66	120	410	410
131-11-3	Dimethylphthalate	120	U	65	120	410	410
84-74-2	Di-n-butylphthalate	120	U	82	120	410	410
117-84-0	Di-n-octylphthalate	62	U	61	62	210	210
118-74-1	Hexachlorobenzene	62	U	29	62	120	120
87-68-3	Hexachlorobutadiene	120	U	64	120	410	410
77-47-4	Hexachlorocyclopentadiene	62	U	54	62	210	210
67-72-1	Hexachloroethane	62	U	34	62	120	120
78-59-1	Isophorone	62	U	52	62	210	210
98-95-3	Nitrobenzene	62	U	61	62	210	210
621-64-7	N-Nitroso-di-n-propylamine	120	U	73	120	410	410
86-30-6/122-39-4	N-Nitrosodiphenylamine & Diphn	120	U	52	120	250	250
87-86-5	Pentachlorophenol	310	U	250	310	1000	1000
108-95-2	Phenol	310	U	170	310	620	620

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description: **083SB-0011M-0001-SO**

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	337826
% Solids:	96.2	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D-SIM	Analytical Prep Batch #	45490
Analytical Run #:	96978	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 17:07	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	2P080713	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
91-57-6	2-Methylnaphthalene	2.2		0.23	0.83	1.6	1.6
83-32-9	Acenaphthene	0.54	J	0.34	0.83	1.6	1.6
208-96-8	Acenaphthylene	0.83	U	0.25	0.83	1.6	1.6
120-12-7	Anthracene	0.83	U	0.32	0.83	1.6	1.6
56-55-3	Benzo(a)anthracene	0.83	U	0.33	0.83	1.6	1.6
50-32-8	Benzo(a)pyrene	0.75	J	0.29	0.83	1.6	1.6
205-99-2	Benzo(b)fluoranthene	3.9		0.42	0.83	1.6	1.6
191-24-2	Benzo(g,h,i)perylene	4.3		0.41	0.83	1.6	1.6
207-08-9	Benzo(k)fluoranthene	0.83	U	0.38	0.83	1.6	1.6
218-01-9	Chrysene	8.6		0.36	0.83	1.6	1.6
53-70-3	Dibenzo(a,h)anthracene	0.60	J	0.36	0.83	1.6	1.6
206-44-0	Fluoranthene	1.5	J	0.37	0.83	1.6	1.6
86-73-7	Fluorene	0.49	J	0.37	0.83	1.6	1.6
193-39-5	Indeno(1,2,3-cd)pyrene	1.3	J	0.37	0.83	1.6	1.6
91-20-3	Naphthalene	2.2		0.28	0.83	1.6	1.6
85-01-8	Phenanthrene	6.4		0.47	0.83	1.6	1.6
129-00-0	Pyrene	1.8		0.43	0.83	1.6	1.6

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	337826
% Solids:	96.2	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 19:42	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
120-82-1	1,2,4-Trichlorobenzene	62	U	22	62	120	120
95-50-1	1,2-Dichlorobenzene	62	U	25	62	120	120
541-73-1	1,3-Dichlorobenzene	62	U	21	62	120	120
106-46-7	1,4-Dichlorobenzene	62	U	20	62	120	120
95-95-4	2,4,5-Trichlorophenol	310	U	140	310	620	620
88-06-2	2,4,6-Trichlorophenol	310	U	140	310	620	620
120-83-2	2,4-Dichlorophenol	310	U	120	310	620	620
105-67-9	2,4-Dimethylphenol	310	U	100	310	620	620
51-28-5	2,4-Dinitrophenol	310	U	280	310	1000	1000
121-14-2	2,4-Dinitrotoluene	62	U	25	62	120	120
606-20-2	2,6-Dinitrotoluene	62	U	25	62	120	120
91-58-7	2-Chloronaphthalene	62	U	24	62	120	120
95-57-8	2-Chlorophenol	620	U	350	620	2100	2100
95-48-7	2-Methylphenol	620	U	440	620	2100	2100
88-74-4	2-Nitroaniline	62	U	24	62	120	120
88-75-5	2-Nitrophenol	310	U	290	310	1000	1000
1319-77-3	3 & 4-Methylphenol	1100	U	680	1100	3700	3700
91-94-1	3,3'-Dichlorobenzidine	160	U	160	160	520	520
99-09-2	3-Nitroaniline	62	U	23	62	120	120
534-52-1	4,6-Dinitro-2-methylphenol	310	U	280	310	1000	1000
101-55-3	4-Bromophenyl-phenyl ether	62	U	26	62	120	120
59-50-7	4-Chloro-3-methylphenol	620	U	400	620	2100	2100
106-47-8	4-Chloroaniline	62	U	41	62	210	210
7005-72-3	4-Chlorophenyl-phenyl ether	62	U	27	62	120	120

CT LABORATORIES
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1B

SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	337826
% Solids:	96.2	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 19:42	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
100-01-6	4-Nitroaniline	62	U	31	62	120	120
100-02-7	4-Nitrophenol	620	U	420	620	2100	2100
65-85-0	Benzoic acid	1600	U	300	1600	3100	3100
100-51-6	Benzyl alcohol	120	U	86	120	420	420
111-91-1	Bis(2-chloroethoxy)methane	62	U	24	62	120	120
111-44-4	Bis(2-chloroethyl)ether	62	U	26	62	120	120
108-60-1	Bis(2-chloroisopropyl)ether	62	U	31	62	120	120
85-68-7	Butylbenzylphthalate	120	U	76	120	420	420
86-74-8	Carbazole	62	U	29	62	120	120
132-64-9	Dibenzofuran	62	U	25	62	120	120
84-66-2	Diethylphthalate	120	U	67	120	420	420
131-11-3	Dimethylphthalate	120	U	65	120	420	420
84-74-2	Di-n-butylphthalate	120	U	82	120	420	420
117-84-0	Di-n-octylphthalate	62	U	61	62	210	210
118-74-1	Hexachlorobenzene	62	U	29	62	120	120
87-68-3	Hexachlorobutadiene	120	U	64	120	420	420
77-47-4	Hexachlorocyclopentadiene	62	U	54	62	210	210
67-72-1	Hexachloroethane	62	U	34	62	120	120
78-59-1	Isophorone	62	U	52	62	210	210
98-95-3	Nitrobenzene	62	U	61	62	210	210
621-64-7	N-Nitroso-di-n-propylamine	120	U	73	120	420	420
86-30-6/122-39-4	N-Nitrosodiphenylamine & Diphn	120	U	52	120	250	250
87-86-5	Pentachlorophenol	310	U	250	310	1000	1000
108-95-2	Phenol	310	U	170	310	620	620

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.02 (g/L)	CTL Sample ID:	337828
% Solids:	96.6	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D-SIM	Analytical Prep Batch #	45490
Analytical Run #:	96978	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 17:27	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	2P080713	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
91-57-6	2-Methylnaphthalene	2.1		0.23	0.83	1.5	1.5
83-32-9	Acenaphthene	0.57	J	0.34	0.83	1.5	1.5
208-96-8	Acenaphthylene	0.83	U	0.25	0.83	1.5	1.5
120-12-7	Anthracene	0.83	U	0.32	0.83	1.5	1.5
56-55-3	Benzo(a)anthracene	2.8	B	0.33	0.83	1.5	1.5
50-32-8	Benzo(a)pyrene	1.4	J	0.29	0.83	1.5	1.5
205-99-2	Benzo(b)fluoranthene	5.6		0.41	0.83	1.5	1.5
191-24-2	Benzo(g,h,i)perylene	3.6		0.40	0.83	1.5	1.5
207-08-9	Benzo(k)fluoranthene	0.95	J	0.38	0.83	1.5	1.5
218-01-9	Chrysene	8.3		0.36	0.83	1.5	1.5
53-70-3	Dibenzo(a,h)anthracene	0.66	J	0.36	0.83	1.5	1.5
206-44-0	Fluoranthene	4.5		0.37	0.83	1.5	1.5
86-73-7	Fluorene	0.66	J	0.37	0.83	1.5	1.5
193-39-5	Indeno(1,2,3-cd)pyrene	1.7		0.37	0.83	1.5	1.5
91-20-3	Naphthalene	2.4		0.28	0.83	1.5	1.5
85-01-8	Phenanthrene	9.1		0.46	0.83	1.5	1.5
129-00-0	Pyrene	3.6		0.42	0.83	1.5	1.5

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.05 (g/L)	CTL Sample ID:	337828
% Solids:	96.6	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 20:00	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
120-82-1	1,2,4-Trichlorobenzene	62	U	22	62	120	120
95-50-1	1,2-Dichlorobenzene	62	U	25	62	120	120
541-73-1	1,3-Dichlorobenzene	62	U	21	62	120	120
106-46-7	1,4-Dichlorobenzene	62	U	20	62	120	120
95-95-4	2,4,5-Trichlorophenol	310	U	130	310	620	620
88-06-2	2,4,6-Trichlorophenol	310	U	130	310	620	620
120-83-2	2,4-Dichlorophenol	310	U	120	310	620	620
105-67-9	2,4-Dimethylphenol	310	U	100	310	620	620
51-28-5	2,4-Dinitrophenol	310	U	280	310	1000	1000
121-14-2	2,4-Dinitrotoluene	62	U	25	62	120	120
606-20-2	2,6-Dinitrotoluene	62	U	25	62	120	120
91-58-7	2-Chloronaphthalene	62	U	24	62	120	120
95-57-8	2-Chlorophenol	620	U	350	620	2100	2100
95-48-7	2-Methylphenol	620	U	430	620	2100	2100
88-74-4	2-Nitroaniline	62	U	24	62	120	120
88-75-5	2-Nitrophenol	310	U	290	310	1000	1000
1319-77-3	3 & 4-Methylphenol	1100	U	670	1100	3700	3700
91-94-1	3,3'-Dichlorobenzidine	150	U	150	150	520	520
99-09-2	3-Nitroaniline	62	U	23	62	120	120
534-52-1	4,6-Dinitro-2-methylphenol	310	U	280	310	1000	1000
101-55-3	4-Bromophenyl-phenyl ether	62	U	26	62	120	120
59-50-7	4-Chloro-3-methylphenol	620	U	390	620	2100	2100
106-47-8	4-Chloroaniline	62	U	40	62	210	210
7005-72-3	4-Chlorophenyl-phenyl ether	62	U	27	62	120	120

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.05 (g/L)	CTL Sample ID:	337828
% Solids:	96.6	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 20:00	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
100-01-6	4-Nitroaniline	62	U	31	62	120	120
100-02-7	4-Nitrophenol	620	U	410	620	2100	2100
65-85-0	Benzoic acid	1500	U	300	1500	3100	3100
100-51-6	Benzyl alcohol	120	U	85	120	410	410
111-91-1	Bis(2-chloroethoxy)methane	62	U	24	62	120	120
111-44-4	Bis(2-chloroethyl)ether	62	U	26	62	120	120
108-60-1	Bis(2-chloroisopropyl)ether	62	U	31	62	120	120
85-68-7	Butylbenzylphthalate	120	U	75	120	410	410
86-74-8	Carbazole	62	U	29	62	120	120
132-64-9	Dibenzofuran	62	U	25	62	120	120
84-66-2	Diethylphthalate	120	U	66	120	410	410
131-11-3	Dimethylphthalate	120	U	65	120	410	410
84-74-2	Di-n-butylphthalate	120	U	81	120	410	410
117-84-0	Di-n-octylphthalate	62	U	61	62	210	210
118-74-1	Hexachlorobenzene	62	U	29	62	120	120
87-68-3	Hexachlorobutadiene	120	U	64	120	410	410
77-47-4	Hexachlorocyclopentadiene	62	U	54	62	210	210
67-72-1	Hexachloroethane	62	U	34	62	120	120
78-59-1	Isophorone	62	U	52	62	210	210
98-95-3	Nitrobenzene	62	U	61	62	210	210
621-64-7	N-Nitroso-di-n-propylamine	120	U	72	120	410	410
86-30-6/122-39-4	N-Nitrosodiphenylamine & Diphn	120	U	52	120	250	250
87-86-5	Pentachlorophenol	310	U	250	310	1000	1000
108-95-2	Phenol	310	U	160	310	620	620

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.99 (g/L)	CTL Sample ID:	337830
% Solids:	97.4	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D-SIM	Analytical Prep Batch #	45490
Analytical Run #:	96978	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 17:46	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	2P080713	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
91-57-6	2-Methylnaphthalene	1.8		0.23	0.82	1.5	1.5
83-32-9	Acenaphthene	0.82	U	0.34	0.82	1.5	1.5
208-96-8	Acenaphthylene	0.82	U	0.25	0.82	1.5	1.5
120-12-7	Anthracene	0.82	U	0.32	0.82	1.5	1.5
56-55-3	Benzo(a)anthracene	0.82	U	0.33	0.82	1.5	1.5
50-32-8	Benzo(a)pyrene	0.82	U	0.29	0.82	1.5	1.5
205-99-2	Benzo(b)fluoranthene	3.2		0.41	0.82	1.5	1.5
191-24-2	Benzo(g,h,i)perylene	1.5		0.40	0.82	1.5	1.5
207-08-9	Benzo(k)fluoranthene	0.82	U	0.38	0.82	1.5	1.5
218-01-9	Chrysene	6.5		0.36	0.82	1.5	1.5
53-70-3	Dibenzo(a,h)anthracene	0.65	J	0.36	0.82	1.5	1.5
206-44-0	Fluoranthene	1.1	J	0.37	0.82	1.5	1.5
86-73-7	Fluorene	0.50	J	0.37	0.82	1.5	1.5
193-39-5	Indeno(1,2,3-cd)pyrene	0.58	J	0.37	0.82	1.5	1.5
91-20-3	Naphthalene	2.8		0.28	0.82	1.5	1.5
85-01-8	Phenanthrene	3.9		0.46	0.82	1.5	1.5
129-00-0	Pyrene	0.72	J	0.42	0.82	1.5	1.5

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.98 (g/L)	CTL Sample ID:	337830
% Solids:	97.4	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 20:19	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
120-82-1	1,2,4-Trichlorobenzene	62	U	22	62	120	120
95-50-1	1,2-Dichlorobenzene	62	U	25	62	120	120
541-73-1	1,3-Dichlorobenzene	62	U	21	62	120	120
106-46-7	1,4-Dichlorobenzene	62	U	20	62	120	120
95-95-4	2,4,5-Trichlorophenol	310	U	130	310	620	620
88-06-2	2,4,6-Trichlorophenol	310	U	130	310	620	620
120-83-2	2,4-Dichlorophenol	310	U	120	310	620	620
105-67-9	2,4-Dimethylphenol	310	U	100	310	620	620
51-28-5	2,4-Dinitrophenol	310	U	280	310	1000	1000
121-14-2	2,4-Dinitrotoluene	62	U	25	62	120	120
606-20-2	2,6-Dinitrotoluene	62	U	25	62	120	120
91-58-7	2-Chloronaphthalene	62	U	24	62	120	120
95-57-8	2-Chlorophenol	620	U	350	620	2100	2100
95-48-7	2-Methylphenol	620	U	430	620	2100	2100
88-74-4	2-Nitroaniline	62	U	24	62	120	120
88-75-5	2-Nitrophenol	310	U	290	310	1000	1000
1319-77-3	3 & 4-Methylphenol	1100	U	670	1100	3700	3700
91-94-1	3,3'-Dichlorobenzidine	150	U	150	150	510	510
99-09-2	3-Nitroaniline	62	U	23	62	120	120
534-52-1	4,6-Dinitro-2-methylphenol	310	U	280	310	1000	1000
101-55-3	4-Bromophenyl-phenyl ether	62	U	26	62	120	120
59-50-7	4-Chloro-3-methylphenol	620	U	390	620	2100	2100
106-47-8	4-Chloroaniline	62	U	40	62	210	210
7005-72-3	4-Chlorophenyl-phenyl ether	62	U	27	62	120	120

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.98 (g/L)	CTL Sample ID:	337830
% Solids:	97.4	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 20:19	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
100-01-6	4-Nitroaniline	62	U	31	62	120	120
100-02-7	4-Nitrophenol	620	U	410	620	2100	2100
65-85-0	Benzoic acid	1500	U	300	1500	3100	3100
100-51-6	Benzyl alcohol	120	U	85	120	410	410
111-91-1	Bis(2-chloroethoxy)methane	62	U	24	62	120	120
111-44-4	Bis(2-chloroethyl)ether	62	U	26	62	120	120
108-60-1	Bis(2-chloroisopropyl)ether	62	U	31	62	120	120
85-68-7	Butylbenzylphthalate	120	U	75	120	410	410
86-74-8	Carbazole	62	U	29	62	120	120
132-64-9	Dibenzofuran	62	U	25	62	120	120
84-66-2	Diethylphthalate	120	U	66	120	410	410
131-11-3	Dimethylphthalate	120	U	65	120	410	410
84-74-2	Di-n-butylphthalate	120	U	81	120	410	410
117-84-0	Di-n-octylphthalate	62	U	61	62	210	210
118-74-1	Hexachlorobenzene	62	U	29	62	120	120
87-68-3	Hexachlorobutadiene	120	U	64	120	410	410
77-47-4	Hexachlorocyclopentadiene	62	U	53	62	210	210
67-72-1	Hexachloroethane	62	U	34	62	120	120
78-59-1	Isophorone	62	U	51	62	210	210
98-95-3	Nitrobenzene	62	U	61	62	210	210
621-64-7	N-Nitroso-di-n-propylamine	120	U	72	120	410	410
86-30-6/122-39-4	N-Nitrosodiphenylamine & Diphn	120	U	51	120	250	250
87-86-5	Pentachlorophenol	310	U	250	310	1000	1000
108-95-2	Phenol	310	U	160	310	620	620

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.01 (g/L)	CTL Sample ID:	337832
% Solids:	95.3	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D-SIM	Analytical Prep Batch #	45490
Analytical Run #:	96978	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 18:06	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	2P080713	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
91-57-6	2-Methylnaphthalene	3.7		0.23	0.84	1.6	1.6
83-32-9	Acenaphthene	0.84	U	0.35	0.84	1.6	1.6
208-96-8	Acenaphthylene	0.84	U	0.25	0.84	1.6	1.6
120-12-7	Anthracene	0.84	U	0.32	0.84	1.6	1.6
56-55-3	Benzo(a)anthracene	0.84	U	0.34	0.84	1.6	1.6
50-32-8	Benzo(a)pyrene	0.68	J	0.29	0.84	1.6	1.6
205-99-2	Benzo(b)fluoranthene	5.9		0.42	0.84	1.6	1.6
191-24-2	Benzo(g,h,i)perylene	6.5		0.41	0.84	1.6	1.6
207-08-9	Benzo(k)fluoranthene	0.84	U	0.39	0.84	1.6	1.6
218-01-9	Chrysene	16		0.37	0.84	1.6	1.6
53-70-3	Dibenzo(a,h)anthracene	0.89	J	0.37	0.84	1.6	1.6
206-44-0	Fluoranthene	2.5		0.38	0.84	1.6	1.6
86-73-7	Fluorene	0.84	U	0.38	0.84	1.6	1.6
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	J	0.38	0.84	1.6	1.6
91-20-3	Naphthalene	3.7		0.28	0.84	1.6	1.6
85-01-8	Phenanthrene	23		0.47	0.84	1.6	1.6
129-00-0	Pyrene	2.6		0.43	0.84	1.6	1.6

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.98 (g/L)	CTL Sample ID:	337832
% Solids:	95.3	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 20:37	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
120-82-1	1,2,4-Trichlorobenzene	63	U	22	63	130	130
95-50-1	1,2-Dichlorobenzene	63	U	25	63	130	130
541-73-1	1,3-Dichlorobenzene	63	U	21	63	130	130
106-46-7	1,4-Dichlorobenzene	63	U	20	63	130	130
95-95-4	2,4,5-Trichlorophenol	320	U	140	320	630	630
88-06-2	2,4,6-Trichlorophenol	320	U	140	320	630	630
120-83-2	2,4-Dichlorophenol	320	U	130	320	630	630
105-67-9	2,4-Dimethylphenol	320	U	100	320	630	630
51-28-5	2,4-Dinitrophenol	320	U	280	320	1100	1100
121-14-2	2,4-Dinitrotoluene	63	U	25	63	130	130
606-20-2	2,6-Dinitrotoluene	63	U	25	63	130	130
91-58-7	2-Chloronaphthalene	63	U	24	63	130	130
95-57-8	2-Chlorophenol	630	U	360	630	2100	2100
95-48-7	2-Methylphenol	630	U	440	630	2100	2100
88-74-4	2-Nitroaniline	63	U	24	63	130	130
88-75-5	2-Nitrophenol	320	U	290	320	1100	1100
1319-77-3	3 & 4-Methylphenol	1100	U	680	1100	3800	3800
91-94-1	3,3'-Dichlorobenzidine	160	U	160	160	530	530
99-09-2	3-Nitroaniline	63	U	23	63	130	130
534-52-1	4,6-Dinitro-2-methylphenol	320	U	280	320	1100	1100
101-55-3	4-Bromophenyl-phenyl ether	63	U	26	63	130	130
59-50-7	4-Chloro-3-methylphenol	630	U	400	630	2100	2100
106-47-8	4-Chloroaniline	63	U	41	63	210	210
7005-72-3	4-Chlorophenyl-phenyl ether	63	U	27	63	130	130

CT LABORATORIES
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1B

SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.98 (g/L)	CTL Sample ID:	337832
% Solids:	95.3	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 20:37	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
100-01-6	4-Nitroaniline	63	U	32	63	130	130
100-02-7	4-Nitrophenol	630	U	420	630	2100	2100
65-85-0	Benzoic acid	1600	U	310	1600	3200	3200
100-51-6	Benzyl alcohol	130	U	87	130	420	420
111-91-1	Bis(2-chloroethoxy)methane	63	U	24	63	130	130
111-44-4	Bis(2-chloroethyl)ether	63	U	26	63	130	130
108-60-1	Bis(2-chloroisopropyl)ether	63	U	32	63	130	130
85-68-7	Butylbenzylphthalate	130	U	77	130	420	420
86-74-8	Carbazole	63	U	29	63	130	130
132-64-9	Dibenzofuran	63	U	25	63	130	130
84-66-2	Diethylphthalate	130	U	67	130	420	420
131-11-3	Dimethylphthalate	130	U	66	130	420	420
84-74-2	Di-n-butylphthalate	130	U	83	130	420	420
117-84-0	Di-n-octylphthalate	63	U	62	63	210	210
118-74-1	Hexachlorobenzene	63	U	29	63	130	130
87-68-3	Hexachlorobutadiene	130	U	65	130	420	420
77-47-4	Hexachlorocyclopentadiene	63	U	55	63	210	210
67-72-1	Hexachloroethane	63	U	35	63	130	130
78-59-1	Isophorone	63	U	53	63	210	210
98-95-3	Nitrobenzene	63	U	62	63	210	210
621-64-7	N-Nitroso-di-n-propylamine	130	U	74	130	420	420
86-30-6/122-39-4	N-Nitrosodiphenylamine & Diphn	130	U	53	130	250	250
87-86-5	Pentachlorophenol	320	U	250	320	1100	1100
108-95-2	Phenol	320	U	170	320	630	630

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.02 (g/L)	CTL Sample ID:	337834
% Solids:	96.9	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D-SIM	Analytical Prep Batch #	45490
Analytical Run #:	96978	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 18:26	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	2P080713	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
91-57-6	2-Methylnaphthalene	2.9		0.23	0.82	1.5	1.5
83-32-9	Acenaphthene	0.52	J	0.34	0.82	1.5	1.5
208-96-8	Acenaphthylene	0.82	U	0.25	0.82	1.5	1.5
120-12-7	Anthracene	0.82	U	0.32	0.82	1.5	1.5
56-55-3	Benzo(a)anthracene	0.82	U	0.33	0.82	1.5	1.5
50-32-8	Benzo(a)pyrene	0.59	J	0.29	0.82	1.5	1.5
205-99-2	Benzo(b)fluoranthene	4.7		0.41	0.82	1.5	1.5
191-24-2	Benzo(g,h,i)perylene	4.1		0.40	0.82	1.5	1.5
207-08-9	Benzo(k)fluoranthene	0.82	U	0.38	0.82	1.5	1.5
218-01-9	Chrysene	12		0.36	0.82	1.5	1.5
53-70-3	Dibenzo(a,h)anthracene	0.68	J	0.36	0.82	1.5	1.5
206-44-0	Fluoranthene	1.8		0.37	0.82	1.5	1.5
86-73-7	Fluorene	0.67	J	0.37	0.82	1.5	1.5
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	J	0.37	0.82	1.5	1.5
91-20-3	Naphthalene	2.6		0.28	0.82	1.5	1.5
85-01-8	Phenanthrene	9.1		0.46	0.82	1.5	1.5
129-00-0	Pyrene	1.8		0.42	0.82	1.5	1.5

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	337834
% Solids:	96.9	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 20:55	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
120-82-1	1,2,4-Trichlorobenzene	62	U	22	62	120	120
95-50-1	1,2-Dichlorobenzene	62	U	25	62	120	120
541-73-1	1,3-Dichlorobenzene	62	U	21	62	120	120
106-46-7	1,4-Dichlorobenzene	62	U	20	62	120	120
95-95-4	2,4,5-Trichlorophenol	310	U	130	310	620	620
88-06-2	2,4,6-Trichlorophenol	310	U	130	310	620	620
120-83-2	2,4-Dichlorophenol	310	U	120	310	620	620
105-67-9	2,4-Dimethylphenol	310	U	100	310	620	620
51-28-5	2,4-Dinitrophenol	310	U	280	310	1000	1000
121-14-2	2,4-Dinitrotoluene	62	U	25	62	120	120
606-20-2	2,6-Dinitrotoluene	62	U	25	62	120	120
91-58-7	2-Chloronaphthalene	62	U	24	62	120	120
95-57-8	2-Chlorophenol	620	U	350	620	2100	2100
95-48-7	2-Methylphenol	620	U	430	620	2100	2100
88-74-4	2-Nitroaniline	62	U	24	62	120	120
88-75-5	2-Nitrophenol	310	U	290	310	1000	1000
1319-77-3	3 & 4-Methylphenol	1100	U	670	1100	3700	3700
91-94-1	3,3'-Dichlorobenzidine	150	U	150	150	520	520
99-09-2	3-Nitroaniline	62	U	23	62	120	120
534-52-1	4,6-Dinitro-2-methylphenol	310	U	280	310	1000	1000
101-55-3	4-Bromophenyl-phenyl ether	62	U	26	62	120	120
59-50-7	4-Chloro-3-methylphenol	620	U	390	620	2100	2100
106-47-8	4-Chloroaniline	62	U	40	62	210	210
7005-72-3	4-Chlorophenyl-phenyl ether	62	U	27	62	120	120

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SEMIVOLATILE ORGANICS ANALYSIS

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	337834
% Solids:	96.9	Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Date & Time Analyzed:	08/22/2013 / 20:55	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
100-01-6	4-Nitroaniline	62	U	31	62	120	120
100-02-7	4-Nitrophenol	620	U	410	620	2100	2100
65-85-0	Benzoic acid	1500	U	300	1500	3100	3100
100-51-6	Benzyl alcohol	120	U	86	120	410	410
111-91-1	Bis(2-chloroethoxy)methane	62	U	24	62	120	120
111-44-4	Bis(2-chloroethyl)ether	62	U	26	62	120	120
108-60-1	Bis(2-chloroisopropyl)ether	62	U	31	62	120	120
85-68-7	Butylbenzylphthalate	120	U	75	120	410	410
86-74-8	Carbazole	62	U	29	62	120	120
132-64-9	Dibenzofuran	62	U	25	62	120	120
84-66-2	Diethylphthalate	120	U	66	120	410	410
131-11-3	Dimethylphthalate	120	U	65	120	410	410
84-74-2	Di-n-butylphthalate	120	U	82	120	410	410
117-84-0	Di-n-octylphthalate	62	U	61	62	210	210
118-74-1	Hexachlorobenzene	62	U	29	62	120	120
87-68-3	Hexachlorobutadiene	120	U	64	120	410	410
77-47-4	Hexachlorocyclopentadiene	62	U	54	62	210	210
67-72-1	Hexachloroethane	62	U	34	62	120	120
78-59-1	Isophorone	62	U	52	62	210	210
98-95-3	Nitrobenzene	62	U	61	62	210	210
621-64-7	N-Nitroso-di-n-propylamine	120	U	72	120	410	410
86-30-6/122-39-4	N-Nitrosodiphenylamine & Diphn	120	U	52	120	250	250
87-86-5	Pentachlorophenol	310	U	250	310	1000	1000
108-95-2	Phenol	310	U	170	310	620	620

CT LABORATORIES
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SEMIVOLATILE ORGANICS ANALYSIS (MB)

Sample Description: **METHOD BLANK**

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:		SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	338949
% Solids:		Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Cleanup Date/Time/Type:	. . ,		
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Analysis Date/Time		Concentration	Qualifiers	DL/LOD	RL	*Control Limit*
120-82-1	1,2,4-Trichlorobenzene	08/22/2013	16:39	21	U	21	120	***60***
95-50-1	1,2-Dichlorobenzene	08/22/2013	16:39	24	U	24	120	***60***
541-73-1	1,3-Dichlorobenzene	08/22/2013	16:39	20	U	20	120	***60***
106-46-7	1,4-Dichlorobenzene	08/22/2013	16:39	19	U	19	120	***60***
95-95-4	2,4,5-Trichlorophenol	08/22/2013	16:39	130	U	130	600	***300***
88-06-2	2,4,6-Trichlorophenol	08/22/2013	16:39	130	U	130	600	***300***
120-83-2	2,4-Dichlorophenol	08/22/2013	16:39	120	U	120	600	***300***
105-67-9	2,4-Dimethylphenol	08/22/2013	16:39	99	U	99	600	***300***
51-28-5	2,4-Dinitrophenol	08/22/2013	16:39	270	U	270	1000	***500***
121-14-2	2,4-Dinitrotoluene	08/22/2013	16:39	24	U	24	120	***60***
606-20-2	2,6-Dinitrotoluene	08/22/2013	16:39	24	U	24	120	***60***
91-58-7	2-Chloronaphthalene	08/22/2013	16:39	23	U	23	120	***60***
95-57-8	2-Chlorophenol	08/22/2013	16:39	340	U	340	2000	***1000***
95-48-7	2-Methylphenol	08/22/2013	16:39	420	U	420	2000	***1000***
88-74-4	2-Nitroaniline	08/22/2013	16:39	23	U	23	120	***60***
88-75-5	2-Nitrophenol	08/22/2013	16:39	280	U	280	1000	***500***
1319-77-3	3 & 4-Methylphenol	08/22/2013	16:39	650	U	650	3600	***1800***
91-94-1	3,3'-Dichlorobenzidine	08/22/2013	16:39	150	U	150	500	***250***
99-09-2	3-Nitroaniline	08/22/2013	16:39	22	U	22	120	***60***
534-52-1	4,6-Dinitro-2-methylphenol	08/22/2013	16:39	270	U	270	1000	***500***
101-55-3	4-Bromophenyl-phenyl ether	08/22/2013	16:39	25	U	25	120	***60***
59-50-7	4-Chloro-3-methylphenol	08/22/2013	16:39	380	U	380	2000	***1000***
106-47-8	4-Chloroaniline	08/22/2013	16:39	39	U	39	200	***100***

CT LABORATORIES
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1B-2

SEMIVOLATILE ORGANICS ANALYSIS (MB)

Sample Description: **METHOD BLANK**

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:		SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	338949
% Solids:		Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Cleanup Date/Time/Type:	. . ,		
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Analysis Date/Time		Concentration	Qualifiers	DL/LOD	RL	*Control Limit*
7005-72-3	4-Chlorophenyl-phenyl ether	08/22/2013	16:39	26	U	26	120	***60***
100-01-6	4-Nitroaniline	08/22/2013	16:39	30	U	30	120	***60***
100-02-7	4-Nitrophenol	08/22/2013	16:39	400	U	400	2000	***1000***
65-85-0	Benzoic acid	08/22/2013	16:39	291	U	291	3000	***1500***
100-51-6	Benzyl alcohol	08/22/2013	16:39	83	U	83	400	***200***
111-91-1	Bis(2-chloroethoxy)methane	08/22/2013	16:39	23	U	23	120	***60***
111-44-4	Bis(2-chloroethyl)ether	08/22/2013	16:39	25	U	25	120	***60***
108-60-1	Bis(2-chloroisopropyl)ether	08/22/2013	16:39	30	U	30	120	***60***
85-68-7	Butylbenzylphthalate	08/22/2013	16:39	73	U	73	400	***200***
86-74-8	Carbazole	08/22/2013	16:39	28	U	28	120	***60***
132-64-9	Dibenzofuran	08/22/2013	16:39	24	U	24	120	***60***
84-66-2	Diethylphthalate	08/22/2013	16:39	64	U	64	400	***200***
131-11-3	Dimethylphthalate	08/22/2013	16:39	63	U	63	400	***200***
84-74-2	Di-n-butylphthalate	08/22/2013	16:39	79	U	79	400	***200***
117-84-0	Di-n-octylphthalate	08/22/2013	16:39	59	U	59	200	***100***
118-74-1	Hexachlorobenzene	08/22/2013	16:39	28	U	28	120	***60***
87-68-3	Hexachlorobutadiene	08/22/2013	16:39	62	U	62	400	***200***
77-47-4	Hexachlorocyclopentadiene	08/22/2013	16:39	52	U	52	200	***100***
67-72-1	Hexachloroethane	08/22/2013	16:39	33	U	33	120	***60***
78-59-1	Isophorone	08/22/2013	16:39	50	U	50	200	***100***
98-95-3	Nitrobenzene	08/22/2013	16:39	59	U	59	200	***100***
621-64-7	N-Nitroso-di-n-propylamine	08/22/2013	16:39	70	U	70	400	***200***
86-30-6/122-39-4	N-Nitrosodiphenylamine & Diphn	08/22/2013	16:39	50	U	50	240	***120***

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1B-2

SEMIVOLATILE ORGANICS ANALYSIS (MB)

Sample Description

METHOD BLANK

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:		SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	338949
% Solids:		Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D	Analytical Prep Batch #	45489
Analytical Run #:	97038	Dilution Factor:	1.00
Cleanup Date/Time/Type:	. . ,		
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	1S080513	Concentration Units:	ug/kg

CAS NO.	Analyte	Analysis Date/Time		Concentration	Qualifiers	DL/LOD	RL	*Control Limit*
87-86-5	Pentachlorophenol	08/22/2013	16:39	240	U	240	1000	***500***
108-95-2	Phenol	08/22/2013	16:39	160	U	160	600	***300***

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Sample Description

METHOD BLANK

1B-2

SEMIVOLATILE ORGANICS ANALYSIS (MB)

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:		SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	338954
% Solids:		Date Received:	08/13/2013
Conc. Extract Vol:	1.0 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8270D-SIM	Analytical Prep Batch #	45490
Analytical Run #:	96978	Dilution Factor:	1.00
Cleanup Date/Time/Type:	. . ,		
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	2P080713	Concentration Units:	ug/kg

CAS NO.	Analyte	Analysis Date/Time		Concentration	Qualifiers	DL/LOD	RL	*Control Limit*
91-57-6	2-Methylnaphthalene	08/22/2013	13:48	0.22	U	0.22	1.5	***0.75***
83-32-9	Acenaphthene	08/22/2013	13:48	0.33	U	0.33	1.5	***0.75***
208-96-8	Acenaphthylene	08/22/2013	13:48	0.24	U	0.24	1.5	***0.75***
120-12-7	Anthracene	08/22/2013	13:48	0.31	U	0.31	1.5	***0.75***
56-55-3	Benzo(a)anthracene	08/22/2013	13:48	0.446	B	0.32	1.5	***0.75***
50-32-8	Benzo(a)pyrene	08/22/2013	13:48	0.28	U	0.28	1.5	***0.75***
205-99-2	Benzo(b)fluoranthene	08/22/2013	13:48	0.40	U	0.40	1.5	***0.75***
191-24-2	Benzo(g,h,i)perylene	08/22/2013	13:48	0.39	U	0.39	1.5	***0.75***
207-08-9	Benzo(k)fluoranthene	08/22/2013	13:48	0.37	U	0.37	1.5	***0.75***
218-01-9	Chrysene	08/22/2013	13:48	0.35	U	0.35	1.5	***0.75***
53-70-3	Dibenzo(a,h)anthracene	08/22/2013	13:48	0.35	U	0.35	1.5	***0.75***
206-44-0	Fluoranthene	08/22/2013	13:48	0.36	U	0.36	1.5	***0.75***
86-73-7	Fluorene	08/22/2013	13:48	0.36	U	0.36	1.5	***0.75***
193-39-5	Indeno(1,2,3-cd)pyrene	08/22/2013	13:48	0.36	U	0.36	1.5	***0.75***
91-20-3	Naphthalene	08/22/2013	13:48	0.27	U	0.27	1.5	***0.75***
85-01-8	Phenanthrene	08/22/2013	13:48	0.45	U	0.45	1.5	***0.75***
129-00-0	Pyrene	08/22/2013	13:48	0.41	U	0.41	1.5	***0.75***

CT LABORATORIES
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SOIL SEMI VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Analytical Method:	EPA 8270D	SDG:	99211
Analytical Run #:	97038	ICAL Calibration #:	1S080513

CTLab #	337811				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	66	35	125	
Surr: 2-Fluorobiphenyl	100	77	45	105	
Surr: 2-Fluorophenol	100	60	35	105	
Surr: Nitrobenzene-d5	100	73	35	100	
Surr: Phenol-d5	100	68	40	100	
Surr: Terphenyl-d14	100	84	30	125	

CTLab #	337812				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	43	35	125	
Surr: 2-Fluorobiphenyl	100	67	45	105	
Surr: 2-Fluorophenol	100	52	35	105	
Surr: Nitrobenzene-d5	100	63	35	100	
Surr: Phenol-d5	100	61	40	100	
Surr: Terphenyl-d14	100	68	30	125	

CTLab #	337813				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	71	35	125	
Surr: 2-Fluorobiphenyl	100	75	45	105	
Surr: 2-Fluorophenol	100	64	35	105	
Surr: Nitrobenzene-d5	100	74	35	100	
Surr: Phenol-d5	100	69	40	100	
Surr: Terphenyl-d14	100	79	30	125	

CTLab #	337815				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	63	35	125	
Surr: 2-Fluorobiphenyl	100	64	45	105	
Surr: 2-Fluorophenol	100	57	35	105	
Surr: Nitrobenzene-d5	100	64	35	100	
Surr: Phenol-d5	100	62	40	100	
Surr: Terphenyl-d14	100	70	30	125	

CTLab #	337818				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	88	35	125	
Surr: 2-Fluorobiphenyl	100	83	45	105	
Surr: 2-Fluorophenol	100	67	35	105	
Surr: Nitrobenzene-d5	100	82	35	100	
Surr: Phenol-d5	100	77	40	100	
Surr: Terphenyl-d14	100	88	30	125	

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SOIL SEMI VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Analytical Method:	EPA 8270D	SDG:	99211
Analytical Run #:	97038	ICAL Calibration #:	1S080513

CTLab #	337820				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	58	35	125	
Surr: 2-Fluorobiphenyl	100	62	45	105	
Surr: 2-Fluorophenol	100	51	35	105	
Surr: Nitrobenzene-d5	100	58	35	100	
Surr: Phenol-d5	100	56	40	100	
Surr: Terphenyl-d14	100	67	30	125	

CTLab #	337822				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	74	35	125	
Surr: 2-Fluorobiphenyl	100	73	45	105	
Surr: 2-Fluorophenol	100	64	35	105	
Surr: Nitrobenzene-d5	100	69	35	100	
Surr: Phenol-d5	100	67	40	100	
Surr: Terphenyl-d14	100	79	30	125	

CTLab #	337824				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	56	35	125	
Surr: 2-Fluorobiphenyl	100	57	45	105	
Surr: 2-Fluorophenol	100	46	35	105	
Surr: Nitrobenzene-d5	100	54	35	100	
Surr: Phenol-d5	100	51	40	100	
Surr: Terphenyl-d14	100	64	30	125	

CTLab #	337826				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	66	35	125	
Surr: 2-Fluorobiphenyl	100	66	45	105	
Surr: 2-Fluorophenol	100	54	35	105	
Surr: Nitrobenzene-d5	100	62	35	100	
Surr: Phenol-d5	100	58	40	100	
Surr: Terphenyl-d14	100	68	30	125	

CTLab #	337828				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	77	35	125	
Surr: 2-Fluorobiphenyl	100	75	45	105	
Surr: 2-Fluorophenol	100	65	35	105	
Surr: Nitrobenzene-d5	100	73	35	100	
Surr: Phenol-d5	100	71	40	100	
Surr: Terphenyl-d14	100	83	30	125	

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SOIL SEMI VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Analytical Method:	EPA 8270D	SDG:	99211
Analytical Run #:	97038	ICAL Calibration #:	1S080513

CTLab #	337830				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	62	35	125	
Surr: 2-Fluorobiphenyl	100	67	45	105	
Surr: 2-Fluorophenol	100	56	35	105	
Surr: Nitrobenzene-d5	100	65	35	100	
Surr: Phenol-d5	100	64	40	100	
Surr: Terphenyl-d14	100	72	30	125	
CTLab #	**337832**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	83	35	125	
Surr: 2-Fluorobiphenyl	100	83	45	105	
Surr: 2-Fluorophenol	100	56	35	105	
Surr: Nitrobenzene-d5	100	83	35	100	
Surr: Phenol-d5	100	71	40	100	
Surr: Terphenyl-d14	100	87	30	125	
CTLab #	**337834**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	46	35	125	
Surr: 2-Fluorobiphenyl	100	50	45	105	
Surr: 2-Fluorophenol	100	41	35	105	
Surr: Nitrobenzene-d5	100	45	35	100	
Surr: Phenol-d5	100	44	40	100	
Surr: Terphenyl-d14	100	53	30	125	
CTLab #	**338949**	Sample Type:		Method Blank	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	71.3	35	125	
Surr: 2-Fluorobiphenyl	100	62.0	45	105	
Surr: 2-Fluorophenol	100	54.4	35	105	
Surr: Nitrobenzene-d5	100	60.3	35	100	
Surr: Phenol-d5	100	57.4	40	100	
Surr: Terphenyl-d14	100	75.8	30	125	
CTLab #	**338950**	Sample Type:		Lab Control Spike	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	68.1	35	125	
Surr: 2-Fluorobiphenyl	100	65.7	45	105	
Surr: 2-Fluorophenol	100	56.3	35	105	
Surr: Nitrobenzene-d5	100	61.6	35	100	
Surr: Phenol-d5	100	60.6	40	100	
Surr: Terphenyl-d14	100	74.2	30	125	

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SOIL SEMI VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Analytical Method:	EPA 8270D	SDG:	99211
Analytical Run #:	97038	ICAL Calibration #:	1S080513

CTLab #	338952	Sample Type:		Matrix Spike	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	64.8	35	125	
Surr: 2-Fluorobiphenyl	100	67.7	45	105	
Surr: 2-Fluorophenol	100	61.2	35	105	
Surr: Nitrobenzene-d5	100	67.5	35	100	
Surr: Phenol-d5	100	63.1	40	100	
Surr: Terphenyl-d14	100	75.7	30	125	

CTLab #	338953	Sample Type:		Matrix Spike Duplicate	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2,4,6-Tribromophenol	100	64.5	35	125	
Surr: 2-Fluorobiphenyl	100	68.7	45	105	
Surr: 2-Fluorophenol	100	59.0	35	105	
Surr: Nitrobenzene-d5	100	69.4	35	100	
Surr: Phenol-d5	100	63.0	40	100	
Surr: Terphenyl-d14	100	80.3	30	125	

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SOIL SEMI VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Analytical Method:	EPA 8270D-SIM	SDG:	99211
Analytical Run #:	96978	ICAL Calibration #:	2P080713

CTLab #	337811				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	85	45	105	
Surr: Nitrobenzene-d5	100	81	35	100	
Surr: Terphenyl-d14	100	88	30	125	
CTLab #	**337812**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	62	45	105	
Surr: Nitrobenzene-d5	100	53	35	100	
Surr: Terphenyl-d14	100	63	30	125	
CTLab #	**337813**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	73	45	105	
Surr: Nitrobenzene-d5	100	80	35	100	
Surr: Terphenyl-d14	100	74	30	125	
CTLab #	**337815**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	78	45	105	
Surr: Nitrobenzene-d5	100	77	35	100	
Surr: Terphenyl-d14	100	78	30	125	
CTLab #	**337818**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	95	45	105	
Surr: Nitrobenzene-d5	100	100	35	100	
Surr: Terphenyl-d14	100	93	30	125	
CTLab #	**337820**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	88	45	105	
Surr: Nitrobenzene-d5	100	97	35	100	
Surr: Terphenyl-d14	100	91	30	125	
CTLab #	**337822**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	78	45	105	
Surr: Nitrobenzene-d5	100	83	35	100	
Surr: Terphenyl-d14	100	81	30	125	
CTLab #	**337824**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	75	45	105	
Surr: Nitrobenzene-d5	100	88	35	100	
Surr: Terphenyl-d14	100	78	30	125	

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SOIL SEMI VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Analytical Method: EPA 8270D-SIM | SDG: 99211

Analytical Run #: 96978 | ICAL Calibration #: 2P080713

CTLab #	337826				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	57	45	105	
Surr: Nitrobenzene-d5	100	68	35	100	
Surr: Terphenyl-d14	100	58	30	125	
CTLab #	**337828**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	71	45	105	
Surr: Nitrobenzene-d5	100	82	35	100	
Surr: Terphenyl-d14	100	71	30	125	
CTLab #	**337830**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	79	45	105	
Surr: Nitrobenzene-d5	100	98	35	100	
Surr: Terphenyl-d14	100	81	30	125	
CTLab #	**337832**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	84	45	105	
Surr: Nitrobenzene-d5	100	89	35	100	
Surr: Terphenyl-d14	100	85	30	125	
CTLab #	**337834**				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	72	45	105	
Surr: Nitrobenzene-d5	100	67	35	100	
Surr: Terphenyl-d14	100	73	30	125	
CTLab #	**338954**	Sample Type:	Method Blank		
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	88.4	45	105	
Surr: Nitrobenzene-d5	100	74.7	35	100	
Surr: Terphenyl-d14	100	88.8	30	125	
CTLab #	**338955**	Sample Type:	Lab Control Spike		
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	101	45	105	
Surr: Nitrobenzene-d5	100	86.4	35	100	
Surr: Terphenyl-d14	100	101	30	125	
CTLab #	**338957**	Sample Type:	Matrix Spike		
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	98.2	45	105	
Surr: Nitrobenzene-d5	100	99.1	35	100	
Surr: Terphenyl-d14	100	99.6	30	125	

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SOIL SEMI VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Analytical Method:	EPA 8270D-SIM	SDG:	99211
Analytical Run #:	96978	ICAL Calibration #:	2P080713

CTLab #	338958	Sample Type:	Matrix Spike Duplicate		
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: 2-Fluorobiphenyl	100	73.5	45	105	
Surr: Nitrobenzene-d5	100	73.9	35	100	
Surr: Terphenyl-d14	100	75.0	30	125	

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SOIL SEMIVOLATILE MATRIX SPIKE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8270D Concentration Units: ug/kg

Analytical Run #: 97038 Sample No.: 338952 Parent Sample No.: 337815

Analytical Prep Batch #: 45489 Analytical Preparation Date/Time: 08/19/2013 07:15

ICAL Calibration #: 1S080513

Analyte	Analysis Date/Time	Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R	
1,2,4-Trichlorobenzene	08/22/2013 21:14	45-110	1400	BDL	2100	67	
1,2-Dichlorobenzene	08/22/2013 21:14	45-95	1300	BDL	2100	62	
1,3-Dichlorobenzene	08/22/2013 21:14	40-100	1270	BDL	2100	60	
1,4-Dichlorobenzene	08/22/2013 21:14	35-105	1300	BDL	2100	62	
2,4,5-Trichlorophenol	08/22/2013 21:14	50-110	1250	BDL	2100	60	
2,4,6-Trichlorophenol	08/22/2013 21:14	45-110	1330	BDL	2100	63	
2,4-Dichlorophenol	08/22/2013 21:14	45-110	1420	BDL	2100	68	
2,4-Dimethylphenol	08/22/2013 21:14	30-105	1410	BDL	2100	67	
2,4-Dinitrophenol	08/22/2013 21:14	15-130	477	BDL	2100	23	
2,4-Dinitrotoluene	08/22/2013 21:14	50-115	1460	BDL	2100	70	
2,6-Dinitrotoluene	08/22/2013 21:14	50-110	1310	BDL	2100	62	
2-Chloronaphthalene	08/22/2013 21:14	45-105	1400	BDL	2100	67	
2-Chlorophenol	08/22/2013 21:14	45-105	1350	BDL	2100	64	
2-Methylphenol	08/22/2013 21:14	40-105	1320	BDL	2100	63	
2-Nitroaniline	08/22/2013 21:14	45-120	1450	BDL	2100	69	
2-Nitrophenol	08/22/2013 21:14	40-110	1390	BDL	2100	66	
3 & 4-Methylphenol	08/22/2013 21:14	40-105	1450	BDL	2100	69	
3,3'-Dichlorobenzidine	08/22/2013 21:14	10-130	682	BDL	2100	32	
3-Nitroaniline	08/22/2013 21:14	25-110	985	BDL	2100	47	
4,6-Dinitro-2-methylphenol	08/22/2013 21:14	30-135	703	BDL	2100	33	
4-Bromophenyl-phenyl ether	08/22/2013 21:14	45-115	1520	BDL	2100	72	
4-Chloro-3-methylphenol	08/22/2013 21:14	45-115	1330	BDL	2100	63	
4-Chloroaniline	08/22/2013 21:14	10-95	488	BDL	2100	23	
4-Chlorophenyl-phenyl ether	08/22/2013 21:14	45-110	1360	BDL	2100	65	
4-Nitroaniline	08/22/2013 21:14	35-115	1270	BDL	2100	60	
4-Nitrophenol	08/22/2013 21:14	15-140	1070	BDL	2100	51	
Benzoic acid	08/22/2013 21:14	0-110	0	BDL	2100	0	
Benzyl alcohol	08/22/2013 21:14	20-125	54.8	BDL	2100	3	*FAIL*
Bis(2-chloroethoxy)methane	08/22/2013 21:14	45-110	1370	BDL	2100	65	
Bis(2-chloroethyl)ether	08/22/2013 21:14	40-105	1330	BDL	2100	63	
Bis(2-chloroisopropyl)ether	08/22/2013 21:14	20-115	1340	BDL	2100	64	

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SOIL SEMIVOLATILE MATRIX SPIKE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8270D Concentration Units: ug/kg

Analytical Run #: 97038 Sample No.: 338952 Parent Sample No.: 337815

Analytical Prep Batch #: 45489 Analytical Preparation Date/Time: 08/19/2013 07:15

ICAL Calibration #: 1S080513

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R
Butylbenzylphthalate	08/22/2013	21:14	50-125	1480	BDL	2100	70
Carbazole	08/22/2013	21:14	45-115	1540	BDL	2100	73
Dibenzofuran	08/22/2013	21:14	50-105	1480	BDL	2100	70
Diethylphthalate	08/22/2013	21:14	50-115	1360	BDL	2100	65
Dimethylphthalate	08/22/2013	21:14	50-110	1320	BDL	2100	63
Di-n-butylphthalate	08/22/2013	21:14	55-110	1580	BDL	2100	75
Di-n-octylphthalate	08/22/2013	21:14	40-130	1550	BDL	2100	74
Hexachlorobenzene	08/22/2013	21:14	45-120	1570	BDL	2100	75
Hexachlorobutadiene	08/22/2013	21:14	40-115	1410	BDL	2100	67
Hexachlorocyclopentadiene	08/22/2013	21:14	30-137	825	BDL	2100	39
Hexachloroethane	08/22/2013	21:14	35-110	1340	BDL	2100	64
Isophorone	08/22/2013	21:14	45-110	1330	BDL	2100	63
Nitrobenzene	08/22/2013	21:14	40-115	1360	BDL	2100	65
N-Nitroso-di-n-propylamine	08/22/2013	21:14	40-115	1370	BDL	2100	65
N-Nitrosodiphenylamine & Diphn	08/22/2013	21:14	50-115	3310	BDL	4200	79
Pentachlorophenol	08/22/2013	21:14	25-120	638	BDL	2100	30
Phenol	08/22/2013	21:14	40-100	1220	BDL	2100	58

Spike Recovery: 1 out of 48 outside QC limits

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SOIL SEMIVOLATILE MATRIX SPIKE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8270D-SIM Concentration Units: ug/kg

Analytical Run #: 96978 Sample No.: 338957 Parent Sample No.: 337815

Analytical Prep Batch #: 45490 Analytical Preparation Date/Time: 08/19/2013 07:15

ICAL Calibration #: 2P080713

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R
2-Methylnaphthalene	08/22/2013	18:46	45-105	104	1.6	105	98
Acenaphthene	08/22/2013	18:46	45-110	84.2	2.0	105	78
Acenaphthylene	08/22/2013	18:46	45-105	97.7	BDL	105	93
Anthracene	08/22/2013	18:46	55-105	84.7	3.8	105	77
Benzo(a)anthracene	08/22/2013	18:46	50-110	126	16	105	105
Benzo(a)pyrene	08/22/2013	18:46	50-110	95.1	6.8	105	84
Benzo(b)fluoranthene	08/22/2013	18:46	45-115	110	16	105	90
Benzo(g,h,i)perylene	08/22/2013	18:46	40-125	102	8.3	105	89
Benzo(k)fluoranthene	08/22/2013	18:46	45-125	74.8	3.1	105	68
Chrysene	08/22/2013	18:46	55-110	83.4	14	105	66
Dibenzo(a,h)anthracene	08/22/2013	18:46	40-125	119	1.9	105	112
Fluoranthene	08/22/2013	18:46	55-115	98.9	24	105	71
Fluorene	08/22/2013	18:46	50-110	95.1	1.3	105	89
Indeno(1,2,3-cd)pyrene	08/22/2013	18:46	40-120	119	5.2	105	108
Naphthalene	08/22/2013	18:46	40-105	82.3	1.8	105	77
Phenanthrene	08/22/2013	18:46	50-110	102	16	105	82
Pyrene	08/22/2013	18:46	45-125	89.9	18	105	68

Spike Recovery: 0 out of 17 outside QC limits

CT LABORATORIES
delivering more than data from your environmental analyses

3D

Sample Description

SOIL SEMIVOLATILE MATRIX SPIKE DUPLICATE RECOVERY

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8270D Concentration Units: ug/kg

Analytical Run #: 97038 Sample No.: 338953 Parent Sample No.: 338952

Analytical Prep Batch #: 45489 Analytical Preparation Date/Time: 08/19/2013 07:15

ICAL Calibration #: 1S080513

Analyte	Analysis Date/Time		Spike Result	Spike Amount	%R	%RPD	Control Limits (%R)	Control Limits (%RPD)	
1,2,4-Trichlorobenzene	08/22/2013	21:32	1400	2080	67	1	45-110	30	
1,2-Dichlorobenzene	08/22/2013	21:32	1280	2080	62	0	45-95	30	
1,3-Dichlorobenzene	08/22/2013	21:32	1250	2080	60	1	40-100	30	
1,4-Dichlorobenzene	08/22/2013	21:32	1280	2080	62	1	35-105	30	
2,4,5-Trichlorophenol	08/22/2013	21:32	1260	2080	61	2	50-110	30	
2,4,6-Trichlorophenol	08/22/2013	21:32	1310	2080	63	1	45-110	30	
2,4-Dichlorophenol	08/22/2013	21:32	1410	2080	68	0	45-110	30	
2,4-Dimethylphenol	08/22/2013	21:32	1190	2080	57	16	30-105	30	
2,4-Dinitrophenol	08/22/2013	21:32	505	2080	24	6	15-130	30	
2,4-Dinitrotoluene	08/22/2013	21:32	1480	2080	71	2	50-115	30	
2,6-Dinitrotoluene	08/22/2013	21:32	1380	2080	66	6	50-110	30	
2-Chloronaphthalene	08/22/2013	21:32	1420	2080	68	2	45-105	30	
2-Chlorophenol	08/22/2013	21:32	1330	2080	64	1	45-105	30	
2-Methylphenol	08/22/2013	21:32	1270	2080	61	3	40-105	30	
2-Nitroaniline	08/22/2013	21:32	1400	2080	67	3	45-120	30	
2-Nitrophenol	08/22/2013	21:32	1410	2080	68	2	40-110	30	
3 & 4-Methylphenol	08/22/2013	21:32	1420	2080	68	2	40-105	30	
3,3'-Dichlorobenzidine	08/22/2013	21:32	844	2080	41	22	10-130	30	
3-Nitroaniline	08/22/2013	21:32	1080	2080	52	10	25-110	30	
4,6-Dinitro-2-methylphenol	08/22/2013	21:32	799	2080	38	14	30-135	30	
4-Bromophenyl-phenyl ether	08/22/2013	21:32	1550	2080	75	3	45-115	30	
4-Chloro-3-methylphenol	08/22/2013	21:32	1380	2080	66	4	45-115	30	
4-Chloroaniline	08/22/2013	21:32	490	2080	24	1	10-95	30	
4-Chlorophenyl-phenyl ether	08/22/2013	21:32	1360	2080	65	0	45-110	30	
4-Nitroaniline	08/22/2013	21:32	1270	2080	61	0	35-115	30	
4-Nitrophenol	08/22/2013	21:32	1380	2080	66	26	15-140	30	
Benzoic acid	08/22/2013	21:32	0	2080	0	0	0-110	30	
Benzyl alcohol	08/22/2013	21:32	84.5	2080	4	43	20-125	30	*FAIL*
Bis(2-chloroethoxy)methane	08/22/2013	21:32	1380	2080	66	2	45-110	30	
Bis(2-chloroethyl)ether	08/22/2013	21:32	1300	2080	62	2	40-105	30	
Bis(2-chloroisopropyl)ether	08/22/2013	21:32	1320	2080	63	0	20-115	30	

CT LABORATORIES
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3D

Sample Description

SOIL SEMIVOLATILE MATRIX SPIKE DUPLICATE RECOVERY

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8270D Concentration Units: ug/kg

Analytical Run #: 97038 Sample No.: 338953 Parent Sample No.: 338952

Analytical Prep Batch #: 45489 Analytical Preparation Date/Time: 08/19/2013 07:15

ICAL Calibration #: 1S080513

Analyte	Analysis Date/Time		Spike Result	Spike Amount	%R	%RPD	Control Limits (%R)	Control Limits (%RPD)	
Butylbenzylphthalate	08/22/2013	21:32	1560	2080	75	6	50-125	30	
Carbazole	08/22/2013	21:32	1590	2080	76	4	45-115	30	
Dibenzofuran	08/22/2013	21:32	1490	2080	72	2	50-105	30	
Diethylphthalate	08/22/2013	21:32	1400	2080	67	4	50-115	30	
Dimethylphthalate	08/22/2013	21:32	1460	2080	70	11	50-110	30	
Di-n-butylphthalate	08/22/2013	21:32	1650	2080	79	5	55-110	30	
Di-n-octylphthalate	08/22/2013	21:32	1580	2080	76	3	40-130	30	
Hexachlorobenzene	08/22/2013	21:32	1660	2080	80	7	45-120	30	
Hexachlorobutadiene	08/22/2013	21:32	1410	2080	68	1	40-115	30	
Hexachlorocyclopentadiene	08/22/2013	21:32	1230	2080	59	40	30-137	30	*FAIL*
Hexachloroethane	08/22/2013	21:32	1320	2080	63	0	35-110	30	
Isophorone	08/22/2013	21:32	1380	2080	66	5	45-110	30	
Nitrobenzene	08/22/2013	21:32	1320	2080	63	2	40-115	30	
N-Nitroso-di-n-propylamine	08/22/2013	21:32	1340	2080	64	2	40-115	30	
N-Nitrosodiphenylamine & Diphn	08/22/2013	21:32	3550	4170	85	8	50-115	30	
Pentachlorophenol	08/22/2013	21:32	686	2080	33	8	25-120	30	
Phenol	08/22/2013	21:32	1240	2080	60	3	40-100	30	

RPD or Spike Recovery: 2 out of 48 outside QC limits

CT LABORATORIES
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3D

Sample Description

SOIL SEMIVOLATILE MATRIX SPIKE DUPLICATE RECOVERY

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8270D-SIM Concentration Units: ug/kg

Analytical Run #: 96978 Sample No.: 338958 Parent Sample No.: 338957

Analytical Prep Batch #: 45490 Analytical Preparation Date/Time: 08/19/2013 07:15

ICAL Calibration #: 2P080713

Analyte	Analysis Date/Time		Spike Result	Spike Amount	%R	%RPD	Control Limits (%R)	Control Limits (%RPD)	
2-Methylnaphthalene	08/22/2013	19:06	77.3	104	73	29	45-105	30	
Acenaphthene	08/22/2013	19:06	62.2	104	58	30	45-110	30	
Acenaphthylene	08/22/2013	19:06	72.1	104	69	30	45-105	30	
Anthracene	08/22/2013	19:06	61.8	104	56	31	55-105	30	*FAIL*
Benzo(a)anthracene	08/22/2013	19:06	92.0	104	73	31	50-110	30	*FAIL*
Benzo(a)pyrene	08/22/2013	19:06	69.8	104	61	30	50-110	30	
Benzo(b)fluoranthene	08/22/2013	19:06	80.6	104	62	31	45-115	30	*FAIL*
Benzo(g,h,i)perylene	08/22/2013	19:06	70.8	104	60	36	40-125	30	*FAIL*
Benzo(k)fluoranthene	08/22/2013	19:06	57.0	104	52	27	45-125	30	
Chrysene	08/22/2013	19:06	61.5	104	46	30	55-110	30	*FAIL*
Dibenzo(a,h)anthracene	08/22/2013	19:06	82.9	104	78	35	40-125	30	*FAIL*
Fluoranthene	08/22/2013	19:06	72.7	104	47	30	55-115	30	*FAIL*
Fluorene	08/22/2013	19:06	70.1	104	66	30	50-110	30	
Indeno(1,2,3-cd)pyrene	08/22/2013	19:06	82.7	104	75	35	40-120	30	*FAIL*
Naphthalene	08/22/2013	19:06	61.9	104	58	28	40-105	30	
Phenanthrene	08/22/2013	19:06	74.7	104	56	31	50-110	30	*FAIL*
Pyrene	08/22/2013	19:06	66.4	104	47	30	45-125	30	

RPD or Spike Recovery: 9 out of 17 outside QC limits

CT LABORATORIES
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3D

Sample Description

SOIL SEMIVOLATILE LAB CONTROL SAMPLE

LCS

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Sample No.: 338950 | SDG No.: 99211

Analytical Method: EPA 8270D | Concentration Units: ug/kg

Sample No.: 338950 | Parent Sample No.: 0

Analytical Prep Batch #: 45489 | Analytical Preparation Date/Time: 08/19/2013 07:15

Analytical Run #: 97038 | ICAL Calibration #: 1S080513

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R
1,2,4-Trichlorobenzene	08/22/2013	16:57	45-110	1220		2000	61
1,2-Dichlorobenzene	08/22/2013	16:57	45-95	1190		2000	60
1,3-Dichlorobenzene	08/22/2013	16:57	40-100	1160		2000	58
1,4-Dichlorobenzene	08/22/2013	16:57	35-105	1190		2000	60
2,4,5-Trichlorophenol	08/22/2013	16:57	50-110	1260		2000	63
2,4,6-Trichlorophenol	08/22/2013	16:57	45-110	1290		2000	64
2,4-Dichlorophenol	08/22/2013	16:57	45-110	1190		2000	60
2,4-Dimethylphenol	08/22/2013	16:57	30-105	1240		2000	62
2,4-Dinitrophenol	08/22/2013	16:57	15-130	783		2000	39
2,4-Dinitrotoluene	08/22/2013	16:57	50-115	1450		2000	72
2,6-Dinitrotoluene	08/22/2013	16:57	49-108	1310		2000	66
2-Chloronaphthalene	08/22/2013	16:57	45-105	1300		2000	65
2-Chlorophenol	08/22/2013	16:57	45-105	1190		2000	60
2-Methylphenol	08/22/2013	16:57	40-105	1190		2000	60
2-Nitroaniline	08/22/2013	16:57	45-120	1320		2000	66
2-Nitrophenol	08/22/2013	16:57	40-110	1240		2000	62
3 & 4-Methylphenol	08/22/2013	16:57	40-105	1230		2000	62
3,3'-Dichlorobenzidine	08/22/2013	16:57	10-130	452		2000	23
3-Nitroaniline	08/22/2013	16:57	25-110	946		2000	47
4,6-Dinitro-2-methylphenol	08/22/2013	16:57	30-135	1270		2000	64
4-Bromophenyl-phenyl ether	08/22/2013	16:57	45-115	1440		2000	72
4-Chloro-3-methylphenol	08/22/2013	16:57	45-115	1170		2000	58
4-Chloroaniline	08/22/2013	16:57	10-95	387		2000	19
4-Chlorophenyl-phenyl ether	08/22/2013	16:57	45-110	1310		2000	66
4-Nitroaniline	08/22/2013	16:57	35-115	1180		2000	59
4-Nitrophenol	08/22/2013	16:57	15-140	1280		2000	64
Benzoic acid	08/22/2013	16:57	0-110	210		2000	10
Benzyl alcohol	08/22/2013	16:57	20-125	477		2000	24

CT LABORATORIES
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3D

Sample Description

LCS

SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: CT Laboratories Contract ECC-RVAAP

Sample No.: 338950 SDG No.: 99211

Analytical Method: EPA 8270D Concentration Units: ug/kg

Sample No.: 338950 Parent Sample No.: 0

Analytical Prep Batch #: 45489 Analytical Preparation Date/Time: 08/19/2013 07:15

Analytical Run #: 97038 ICAL Calibration #: 1S080513

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R
Bis(2-chloroethoxy)methane	08/22/2013	16:57	45-110	1210		2000	60
Bis(2-chloroethyl)ether	08/22/2013	16:57	40-105	1200		2000	60
Bis(2-chloroisopropyl)ether	08/22/2013	16:57	20-115	1180		2000	59
Butylbenzylphthalate	08/22/2013	16:57	50-125	1340		2000	67
Carbazole	08/22/2013	16:57	45-115	1390		2000	70
Dibenzofuran	08/22/2013	16:57	50-105	1360		2000	68
Diethylphthalate	08/22/2013	16:57	50-115	1360		2000	68
Dimethylphthalate	08/22/2013	16:57	50-110	1340		2000	67
Di-n-butylphthalate	08/22/2013	16:57	55-110	1450		2000	72
Di-n-octylphthalate	08/22/2013	16:57	40-130	1330		2000	66
Hexachlorobenzene	08/22/2013	16:57	45-120	1450		2000	72
Hexachlorobutadiene	08/22/2013	16:57	40-115	1240		2000	62
Hexachlorocyclopentadiene	08/22/2013	16:57	35-106	912		2000	46
Hexachloroethane	08/22/2013	16:57	35-110	1210		2000	60
Isophorone	08/22/2013	16:57	45-110	1220		2000	61
Nitrobenzene	08/22/2013	16:57	40-115	1170		2000	58
N-Nitroso-di-n-propylamine	08/22/2013	16:57	40-115	1200		2000	60
N-Nitrosodiphenylamine & Diphn	08/22/2013	16:57	50-115	3280		4000	82
Pentachlorophenol	08/22/2013	16:57	25-120	1310		2000	66
Phenol	08/22/2013	16:57	40-100	1140		2000	57

Spike Recovery: 0 out of 48 outside limits

CT LABORATORIES
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3D

Sample Description

LCS

SOIL SEMIVOLATILE LAB CONTROL SAMPLE

Lab Name: CT Laboratories Contract ECC-RVAAP

Sample No.: 338955 SDG No.: 99211

Analytical Method: EPA 8270D-SIM Concentration Units: ug/kg

Sample No.: 338955 Parent Sample No.: 0

Analytical Prep Batch #: 45490 Analytical Preparation Date/Time: 08/19/2013 07:15

Analytical Run #: 96978 ICAL Calibration #: 2P080713

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R
2-Methylnaphthalene	08/22/2013	14:07	45-105	105		100	105
Acenaphthene	08/22/2013	14:07	45-110	88.2		100	88
Acenaphthylene	08/22/2013	14:07	45-105	95.3		100	95
Anthracene	08/22/2013	14:07	55-105	84.5		100	84
Benzo(a)anthracene	08/22/2013	14:07	50-110	109		100	109
Benzo(a)pyrene	08/22/2013	14:07	50-110	89.7		100	90
Benzo(b)fluoranthene	08/22/2013	14:07	45-115	109		100	109
Benzo(g,h,i)perylene	08/22/2013	14:07	40-125	104		100	104
Benzo(k)fluoranthene	08/22/2013	14:07	45-125	92.0		100	92
Chrysene	08/22/2013	14:07	55-110	82.8		100	83
Dibenzo(a,h)anthracene	08/22/2013	14:07	40-125	117		100	117
Fluoranthene	08/22/2013	14:07	55-115	90.9		100	91
Fluorene	08/22/2013	14:07	50-110	97.9		100	98
Indeno(1,2,3-cd)pyrene	08/22/2013	14:07	40-120	116		100	116
Naphthalene	08/22/2013	14:07	40-105	86.2		100	86
Phenanthrene	08/22/2013	14:07	50-110	97.1		100	97
Pyrene	08/22/2013	14:07	45-125	85.4		100	85

Spike Recovery: 0 out of 17 outside limits

CT LABORATORIES
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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Sample ID:	338949	SDG No.:	99211
Matrix:	SOLID	Date Extracted:	08/19/2013
Date Analyzed:	08/22/2013	Time Analyzed:	16:39
Analytical Method:	EPA 8270D	Extraction Method:	SW3546
Analytical Run #:	97038	Extraction Batch #:	45489
		ICAL Calibration #:	1S080513

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

SEQUENCE	SAMPLE DESCRIPTION	SAMPLE ID	DATE/TIME ANALYZED
1	MBS	338949	08/22/2013 16:39
2	LCSS	338950	08/22/2013 16:57
3	083SB-0001M-0001-SO	337811	08/22/2013 17:15
4	083SB-0002M-0001-SO	337812	08/22/2013 17:34
5	083SB-0003M-0001-SO	337813	08/22/2013 17:52
6	083SB-0004M-0001-SO	337815	08/22/2013 18:10
7	083SB-0005M-0001-SO	337818	08/22/2013 18:29
8	083SB-0006M-0001-SO	337820	08/22/2013 18:47
9	083SB-0008M-0001-SO	337822	08/22/2013 19:05
10	083SB-0009M-0001-SO	337824	08/22/2013 19:24
11	083SB-0011M-0001-SO	337826	08/22/2013 19:42
12	083SB-0012M-0001-SO	337828	08/22/2013 20:00
13	083SB-0013M-0001-SO	337830	08/22/2013 20:19
14	083SB-0014-0001-SO	337832	08/22/2013 20:37
15	083SB-0015M-0001-SO	337834	08/22/2013 20:55
16	083SB-0004M-0001-SOMSS	338952	08/22/2013 21:14
17	083SB-0004M-0001-SOMSDS	338953	08/22/2013 21:32

CT LABORATORIES
delivering more than data from your environmental analyses

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Sample ID:	338954	SDG No.:	99211
Matrix:	SOLID	Date Extracted:	08/19/2013
Date Analyzed:	08/22/2013	Time Analyzed:	13:48
Analytical Method:	EPA 8270D-SIM	Extraction Method:	SW3546
Analytical Run #:	96978	Extraction Batch #:	45490
		ICAL Calibration #:	2P080713

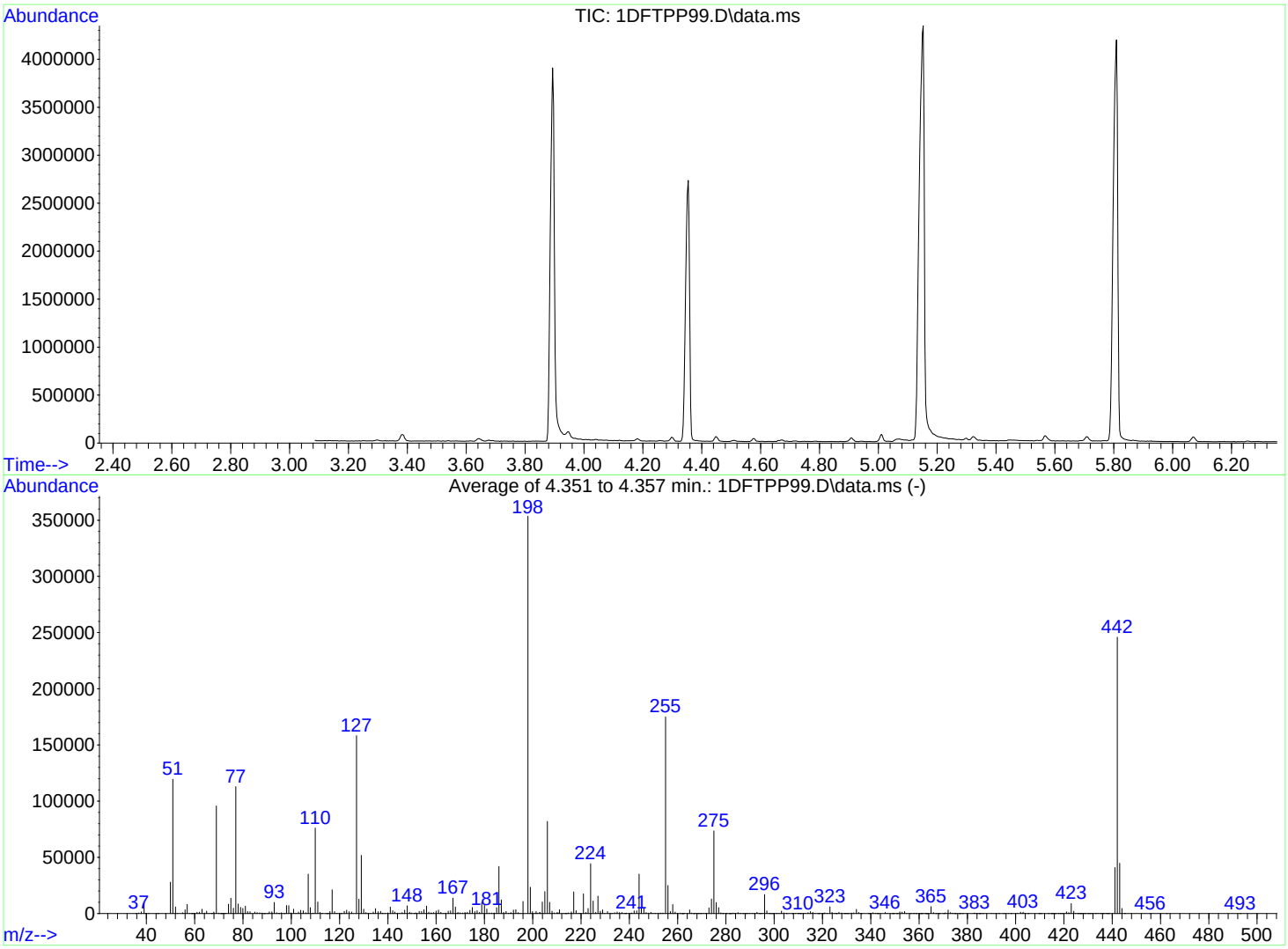
THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

SEQUENCE	SAMPLE DESCRIPTION	SAMPLE ID	DATE/TIME ANALYZED
1	MBS	338954	08/22/2013 13:48
2	LCSS	338955	08/22/2013 14:07
3	083SB-0001M-0001-SO	337811	08/22/2013 14:27
4	083SB-0002M-0001-SO	337812	08/22/2013 14:47
5	083SB-0003M-0001-SO	337813	08/22/2013 15:07
6	083SB-0004M-0001-SO	337815	08/22/2013 15:27
7	083SB-0005M-0001-SO	337818	08/22/2013 15:46
8	083SB-0006M-0001-SO	337820	08/22/2013 16:06
9	083SB-0008M-0001-SO	337822	08/22/2013 16:26
10	083SB-0009M-0001-SO	337824	08/22/2013 16:46
11	083SB-0011M-0001-SO	337826	08/22/2013 17:07
12	083SB-0012M-0001-SO	337828	08/22/2013 17:27
13	083SB-0013M-0001-SO	337830	08/22/2013 17:46
14	083SB-0014-0001-SO	337832	08/22/2013 18:06
15	083SB-0015M-0001-SO	337834	08/22/2013 18:26
16	083SB-0004M-0001-SOMSS	338957	08/22/2013 18:46
17	083SB-0004M-0001-SOMSDS	338958	08/22/2013 19:06

Data File : C:\INSTARCH\Data\1S080513\1DFTPP99.D Vial: 1
Acq On : 5 Aug 2013 11:30 Operator: RPN
Sample : DFTPP TUNE SVMS5691 Inst : SVMS1
Misc : SVMS1,25 ug DFTPP Multiplr: 1.00
Integrator: RTE

RPN
08/05/13

Method : C:\INSTARCH\Methods\1DFTPP.M
Title : DFTPP TUNE Method
Last Update : Tue Jul 30 10:38:29 2013



AutoFind: Scans 446, 447, 448; Background Corrected with Scan 435

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.8	119509	PASS
68	69	0.00	2	1.5	1391	PASS
70	69	0.00	2	0.4	419	PASS
127	198	10	80	44.8	158357	PASS
197	198	0.00	2	0.0	0	PASS
198	198	50	100	100.0	353578	PASS
199	198	5	9	6.6	23426	PASS
275	198	10	60	20.8	73578	PASS
365	198	1	100	1.8	6202	PASS
441	442	0.01	24	16.7	40976	PASS
442	198	50	100	69.5	245866	PASS
443	442	15	24	18.2	44794	PASS

Injection Log Summary Report

Method : X:\METHODS\1S080513.M (RTE Integrator)
Title : Method for 8270 analysis
Start (Tune) File ID : X:\DATA\1S080513\1DFTPP99.D
Injection Date : 5 Aug 2013 Log Time Period (hrs) : ALL
Injection Time : 11:30 Total files within period : 21
Sample Directory : X:\DATA\1S080513\

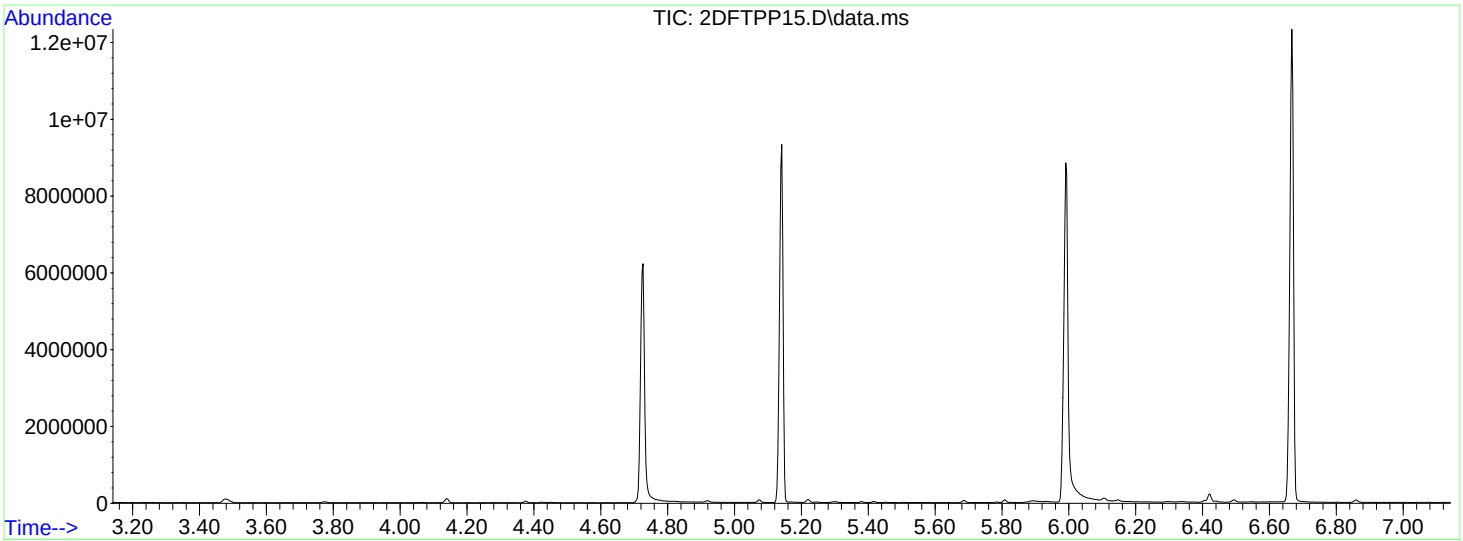
Injection Log Summary Table

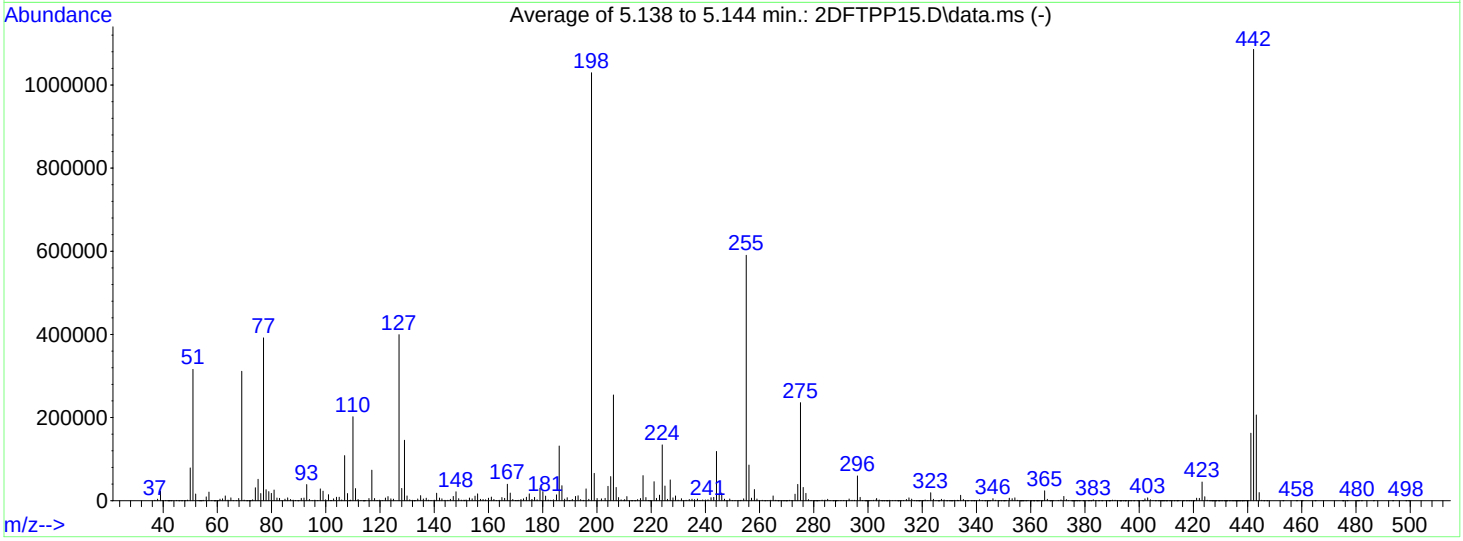
File ID	Multiplier I	S	T	Sample Name / Misc Info	Date	Time
1IB03	1.00	1.00	1.00	InstrumentBlank 500uL+5ul IS S2810C	5 Aug 2013	14:45
1ICAL7	1.00	1.00	1.00	ICAL 50ug/ml SVMS5743 500uL+5ul IS S2805D	5 Aug 2013	15:03
1ICAL6	1.00	1.00	1.00	ICAL 40ug/ml SVMS5742 500uL+5ul IS S2805D	5 Aug 2013	15:21
1ICAL5	1.00	1.00	1.00	ICAL 30ug/ml SVMS5741 500uL+5ul IS S2805D	5 Aug 2013	15:39
1ICAL4	1.00	1.00	1.00	ICAL 20ug/ml SVMS5740 500uL+5ul IS S2805D	5 Aug 2013	15:57
1ICAL3	1.00	1.00	1.00	ICAL 10ug/ml SVMS5739 500uL+5ul IS S2805D	5 Aug 2013	16:15
1ICAL2	1.00	1.00	1.00	ICAL 5ug/ml SVMS5738 500uL+5ul IS S2805D	5 Aug 2013	16:33
1ICAL1	1.00	1.00	1.00	ICAL 1ug/ml SVMS5737 500uL+5ul IS S2805D	5 Aug 2013	16:52
1ICV1	1.00	1.00	1.00	ICV 20ug/ml SVMS5744 500uL+5ul IS S2805D	5 Aug 2013	17:10
1ICV2	1.00	1.00	1.00	ICV 40ug/ml SVMS5745 500uL+5ul IS S2805D	5 Aug 2013	17:28
1ICV2R	1.00	1.00	1.00	ICV 40ug/ml SVMS5745 500uL+5ul IS S2805D	5 Aug 2013	17:47

Data File : C:\INSTARCH\DATA\2S080713\2DFTPP15.D Vial: 1
Acq On : 7 Aug 2013 10:00 Operator: RPN
Sample : DFTPP SVMS5691 Inst : SVMS2
Misc : SVMS2,25 ng DFTPP Multiplr: 1.00
Integrator: RTE

RPN
08/07/13

Method : C:\INSTARCH\METHOD\2P080713.M
Title : Method for 8270 analysis for instrument SVMS2
Last Update : Wed Aug 07 13:09:11 2013





AutoFind: Scans 723, 724, 725; Background Corrected with Scan 715

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	442	10	80	29.1	316096	PASS
68	69	0.00	2	1.7	5343	PASS
70	69	0.00	2	0.5	1431	PASS
127	442	10	80	36.8	399616	PASS
197	198	0.00	2	0.3	3474	PASS
198	442	50	100	94.8	1029482	PASS
199	198	5	9	6.4	65876	PASS
275	442	10	60	21.7	235968	PASS
365	198	1	100	2.3	23965	PASS
441	442	0.01	24	15.0	162666	PASS
442	442	50	100	100.0	1085760	PASS
443	442	15	24	19.0	206144	PASS

Injection Log Summary Report

Method : Y:\METHOD\2P080713.M (RTE Integrator)
Title : Method for 8270 analysis for instrument SVMS2
Start (Tune) File ID : Y:\DATA\2S080713\2DFTPP15.D
Injection Date : 7 Aug 2013 Log Time Period (hrs) : ALL
Injection Time : 10:00 Total files within period : 15
Sample Directory : Y:\DATA\2S080713\

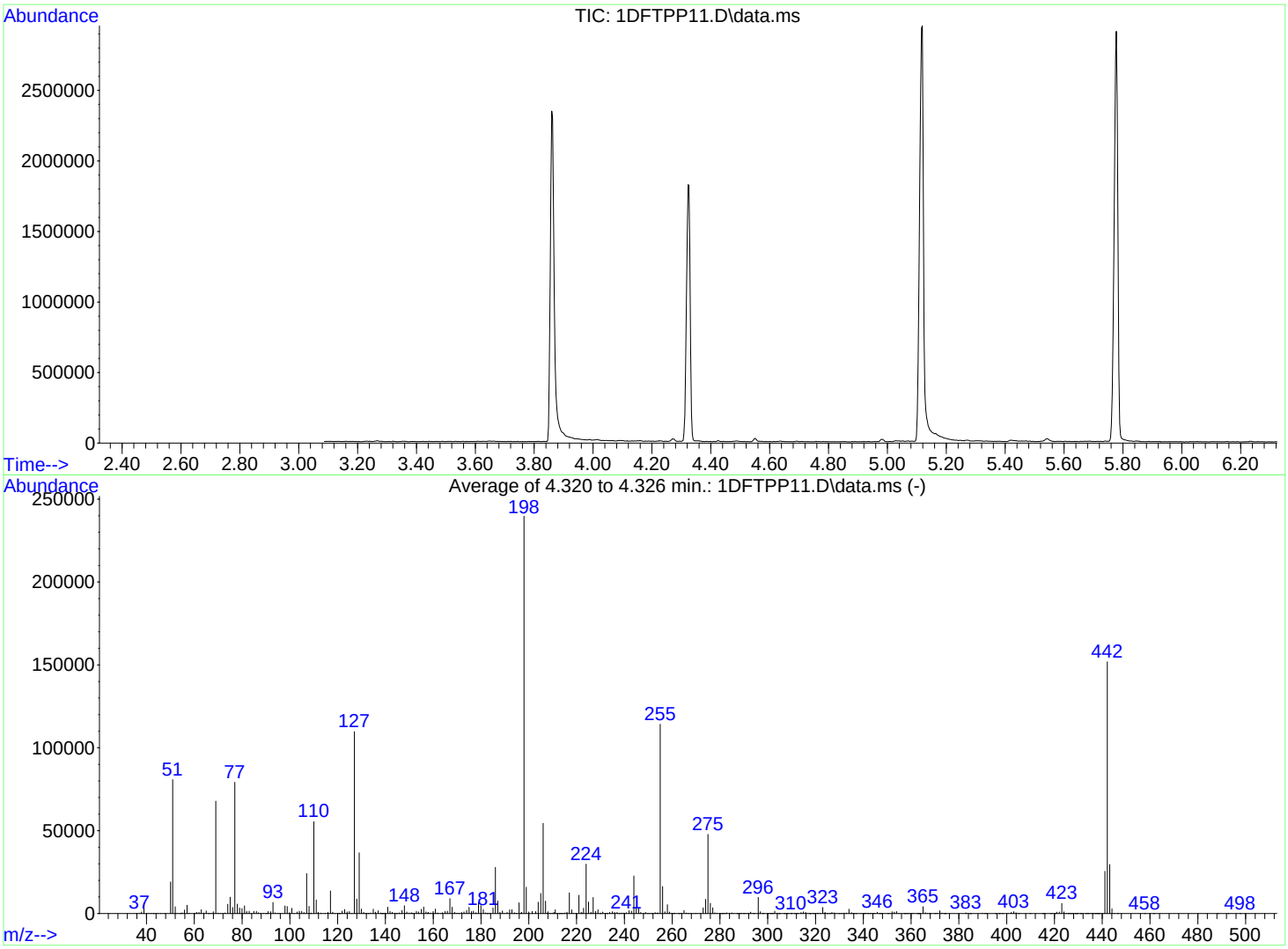
Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name / Misc Info	Date	Time
2IB03	1.00	1.00	1.00	InstrumentBlank 500uL+5uL IS SVMS5788	7 Aug 2013	10:16
2ICAL7	1.00	1.00	1.00	ICAL 2000 ng/mL SVMS5720 500uL+5uL IS SVMS5788	7 Aug 2013	10:36
2ICAL6	1.00	1.00	1.00	ICAL 1500 ng/mL SVMS5719 500uL+5uL IS SVMS5788	7 Aug 2013	10:56
2ICAL5	1.00	1.00	1.00	ICAL 1000 ng/mL SVMS5718 500uL+5uL IS SVMS5788	7 Aug 2013	11:16
2ICAL4	1.00	1.00	1.00	ICAL 500 ng/mL SVMS5717 500uL+5uL IS SVMS5788	7 Aug 2013	11:36
2ICAL3	1.00	1.00	1.00	ICAL 100 ng/mL SVMS5716 500uL+5uL IS SVMS5788	7 Aug 2013	11:55
2ICAL2	1.00	1.00	1.00	ICAL 50 ng/mL SVMS5715 500uL+5uL IS SVMS5788	7 Aug 2013	12:15
2ICAL1	1.00	1.00	1.00	ICAL 20 ng/mL SVMS5714 500uL+5uL IS SVMS5788	7 Aug 2013	12:35
2ICV1	1.00	1.00	1.00	ICV1 500 ng/mL SVMS5721 500uL+5uL IS SVMS5788	7 Aug 2013	12:55
2ICV2	1.00	1.00	1.00	ICV2 1500 ng/mL SVMS5722 500uL+5uL IS SVMS5788	7 Aug 2013	13:15

Data File : C:\INSTARCH\Data\1S082213\1DFTPP11.D Vial: 1
Acq On : 22 Aug 2013 12:42 Operator: RPN
Sample : DFTPP TUNE SVMS5691 Inst : SVMS1
Misc : SVMS1,25 ug DFTPP Multiplr: 1.00
Integrator: RTE

RPN
08/23/13

Method : C:\INSTARCH\Methods\1DFTPP.M
Title : DFTPP TUNE Method
Last Update : Mon Aug 19 17:25:37 2013



AutoFind: Scans 435, 436, 437; Background Corrected with Scan 427

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.7	80801	PASS
68	69	0.00	2	1.6	1081	PASS
70	69	0.00	2	0.4	238	PASS
127	198	10	80	45.8	109738	PASS
197	198	0.00	2	0.3	659	PASS
198	198	50	100	100.0	239722	PASS
199	198	5	9	6.6	15909	PASS
275	198	10	60	19.9	47762	PASS
365	198	1	100	1.8	4215	PASS
441	442	0.01	24	16.8	25525	PASS
442	198	50	100	63.4	151869	PASS
443	442	15	24	19.5	29565	PASS

Injection Log Summary Report

Method : X:\METHODS\1S080513.M (RTE Integrator)
Title : Method for 8270 analysis
Start (Tune) File ID : X:\DATA\1S082213\1DFTPP11.D
Injection Date : 22 Aug 2013 Log Time Period (hrs) : ALL
Injection Time : 12:42 Total files within period : 32
Sample Directory : X:\DATA\1S082213\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name / Misc Info	Date	Time
1CCV12	1.00	1.00	1.00	ICAL 20ug/ml SVMS5746 500uL+5ul IS S2805D	22 Aug 2013	12:57
1MRL07	1.00	1.00	1.00	MRL 1/5ug/ml SVMS5799 500uL+5ul IS S2860A	22 Aug 2013	16:02
1MDL07	1.00	1.00	1.00	MDL 0.5/2.5ug/ml SVMS5798 500uL+5ul IS S2860A	22 Aug 2013	16:20
1MBS03	1.00	1.00	1.00	97038,MBS, 338949,500uL+5ul IS S2860	22 Aug 2013	16:39
1LCSS03	1.00	1.00	1.00	97038,LCSS, 338950,500uL+5ul IS S2860	22 Aug 2013	16:57
337811	1.00	1.00	1.00	97038,337811, 500uL+5ul IS S2860A	22 Aug 2013	17:15
337812	1.00	1.00	1.00	97038,337812, 500uL+5ul IS S2860A	22 Aug 2013	17:34
337813	1.00	1.00	1.00	97038,337813, 500uL+5ul IS S2860A	22 Aug 2013	17:52
337815	1.00	1.00	1.00	97038,337815, 500uL+5ul IS S2860A	22 Aug 2013	18:10
337818	1.00	1.00	1.00	97038,337818, 500uL+5ul IS S2860A	22 Aug 2013	18:29
337820	1.00	1.00	1.00	97038,337820, 500uL+5ul IS S2860A	22 Aug 2013	18:47
337822	1.00	1.00	1.00	97038,337822, 500uL+5ul IS S2860A	22 Aug 2013	19:05
337824	1.00	1.00	1.00	97038,337824, 500uL+5ul IS S2860A	22 Aug 2013	19:24

Injection Log Summary Report

Method : X:\METHODS\1S080513.M (RTE Integrator)
Title : Method for 8270 analysis
Start (Tune) File ID : X:\DATA\1S082213\1DFTPP11.D
Injection Date : 22 Aug 2013 Log Time Period (hrs) : ALL
Injection Time : 12:42 Total files within period : 32
Sample Directory : X:\DATA\1S082213\

Injection Log Summary Table

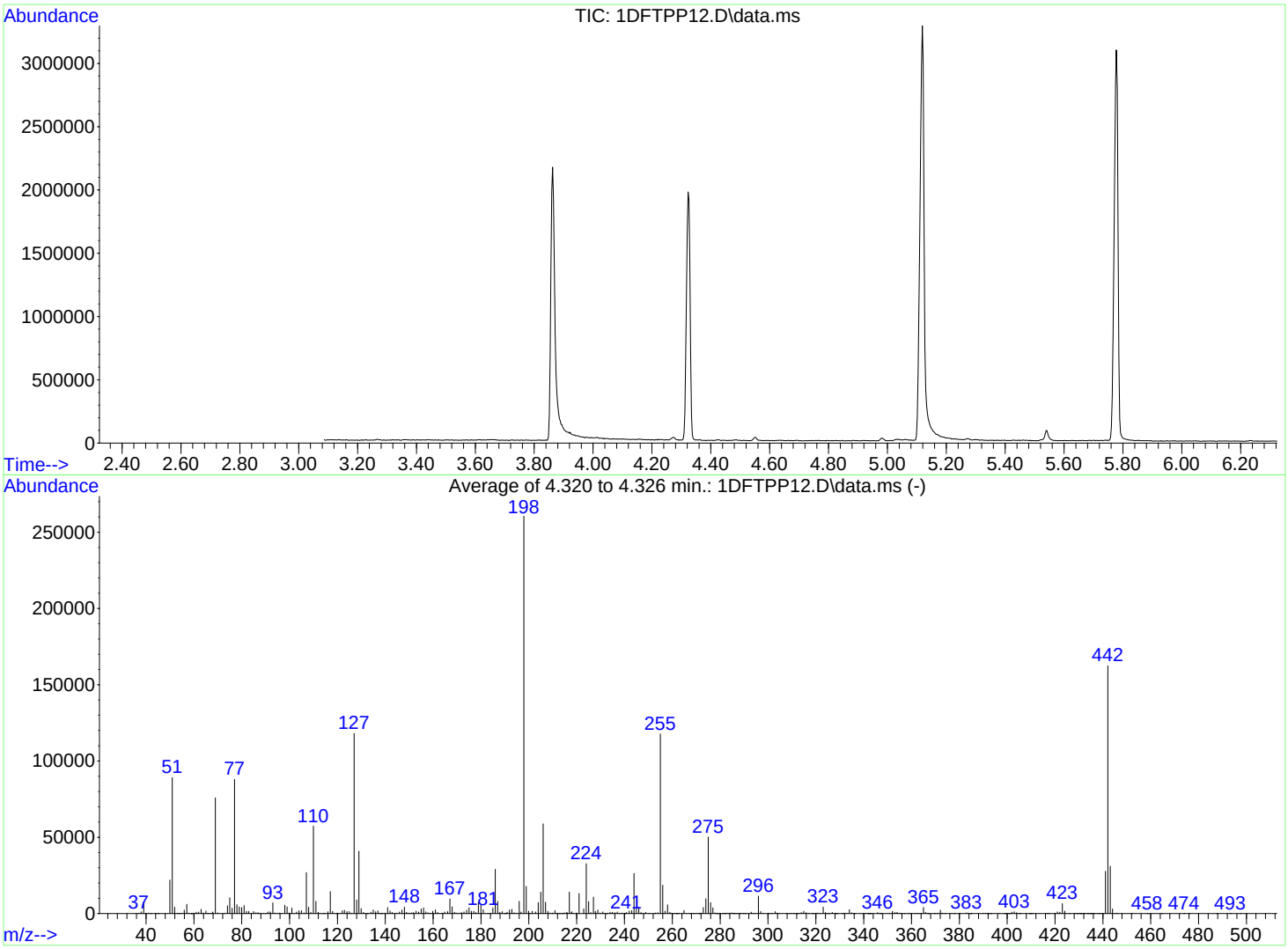
File ID	Multiplier I	S	T	Sample Name / Misc Info	Date	Time
337826	1.00	1.00	1.00	97038,337826, 500uL+5ul IS S2860A	22 Aug 2013	19:42
337828	1.00	1.00	1.00	97038,337828, 500uL+5ul IS S2860A	22 Aug 2013	20:00
337830	1.00	1.00	1.00	97038,337830, 500uL+5ul IS S2860A	22 Aug 2013	20:19
337832	1.00	1.00	1.00	97038,337832, 500uL+5ul IS S2860A	22 Aug 2013	20:37
337834	1.00	1.00	1.00	97038,337834, 500uL+5ul IS S2860A	22 Aug 2013	20:55
337815MS	1.00	1.00	1.00	97038,MSS337815, 338952,500uL+5ul IS S2860	22 Aug 2013	21:14
337815SD	1.00	1.00	1.00	97038,MSDS337815, 338953,500uL+5ul IS S2860	22 Aug 2013	21:32
1IB02	1.00	1.00	1.00	InstrumentBlank 500uL+5ul IS S2810D	22 Aug 2013	21:50
1MRL08	1.00	1.00	1.00	MRL 1/5ug/ml SVMS5799 500uL+5ul IS S2860A	22 Aug 2013	22:09
1MDL08	1.00	1.00	1.00	MDL 0.5/2.5ug/ml SVMS5798 500uL+5ul IS S2860A	22 Aug 2013	22:27

DFTPP

Data File : C:\INSTARCH\Data\1S082313\1DFTPP12.D Vial: 1
Acq On : 23 Aug 2013 12:37 Operator: RPN
Sample : DFTPP TUNE SVMS5691 Inst : SVMS1
Misc : SVMS1,25 ug DFTPP Multiplr: 1.00
Integrator: RTE

RPN
08/23/13

Method : C:\INSTARCH\METHODS\1S080513.M
Title : Method for 8270 analysis
Last Update : Fri Aug 23 12:48:34 2013



AutoFind: Scans 435, 436, 437; Background Corrected with Scan 425

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.2	89143	PASS
68	69	0.00	2	1.3	1007	PASS
70	69	0.00	2	0.6	451	PASS
127	198	10	80	45.3	118088	PASS
197	198	0.00	2	0.4	1035	PASS
198	198	50	100	100.0	260480	PASS
199	198	5	9	6.8	17832	PASS
275	198	10	60	19.3	50248	PASS
365	198	1	100	1.6	4084	PASS
441	442	0.01	100	17.0	27688	PASS
442	198	50	100	62.4	162474	PASS
443	442	15	24	19.1	31080	PASS

Injection Log Summary Report

Method : X:\METHODS\1S080513.M (RTE Integrator)
Title : Method for 8270 analysis
Start (Tune) File ID : X:\DATA\1S082313\1DFTPP12.D
Injection Date : 23 Aug 2013 Log Time Period (hrs) : ALL
Injection Time : 12:37 Total files within period : 10
Sample Directory : X:\DATA\1S082313\

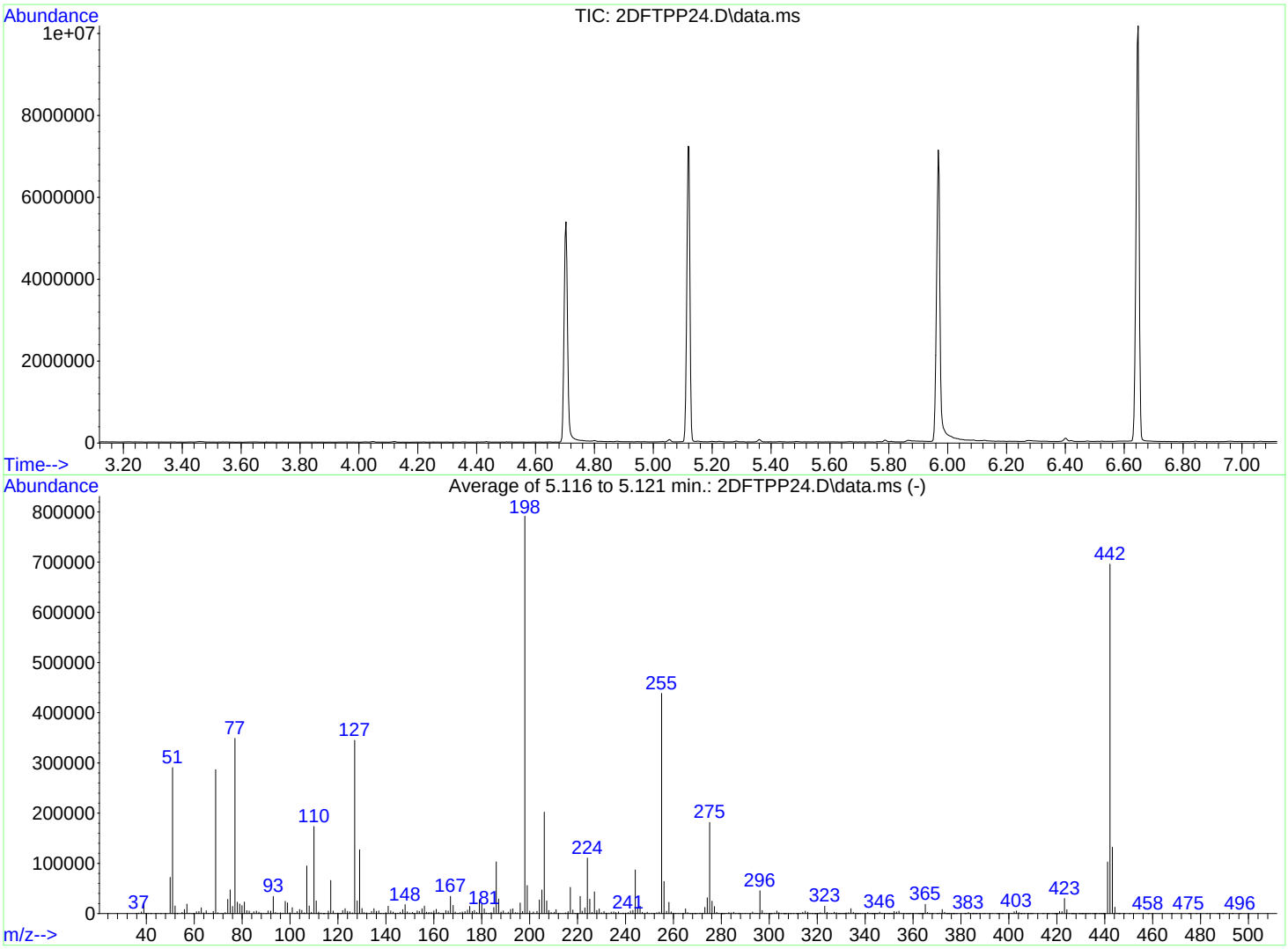
Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name Misc Info	Date	Time
1CCV13	1.00	1.00	1.00	CCV 20ug/ml SVMS5746 500uL+5ul IS S2805D	23 Aug 2013	12:53
1MRL09	1.00	1.00	1.00	MRL 1/5ug/ml SVMS5799 500uL+5ul IS S2860A	23 Aug 2013	13:11
1MDL09	1.00	1.00	1.00	MDL 0.5/2.5ug/ml SVMS5798 500uL+5ul IS S2860A	23 Aug 2013	13:30
337815SR	1.00	1.00	1.00	97038,MSS337815, 338952,500uL+5ul IS S2860	23 Aug 2013	13:48
337815DR	1.00	1.00	1.00	97038,MSDS337815, 338953,500uL+5ul IS S2860	23 Aug 2013	14:06
338353SR	1.00	1.00	1.00	96977,MSS338353, 339842,500uL+5ul IS S2860	23 Aug 2013	14:49
338353DR	1.00	1.00	1.00	96977,MSDS338353, 339843,500uL+5ul IS S2860	23 Aug 2013	15:07
1IB02	1.00	1.00	1.00	InstrumentBlank 500uL+5ul IS S2810D	23 Aug 2013	15:26
1MRL10	1.00	1.00	1.00	MRL 1/5ug/ml SVMS5799 500uL+5ul IS S2860A	23 Aug 2013	15:44
1MDL10	1.00	1.00	1.00	MDL 0.5/2.5ug/ml SVMS5798 500uL+5ul IS S2860A	23 Aug 2013	16:02

Data File : C:\INSTARCH\DATA\2S082213\2DFTPP24.D Vial: 1
Acq On : 22 Aug 2013 12:27 Operator: RPN
Sample : DFTPP SVMS5691 Inst : SVMS2
Misc : SVMS2,25 ng DFTPP Multiplr: 1.00
Integrator: RTE

RPN
08/23/13

Method : C:\INSTARCH\METHOD\2SIMDFT.M
Title : DFTPP TUNE Method
Last Update : Tue Aug 13 17:56:08 2013



AutoFind: Scans 715, 716, 717; Background Corrected with Scan 706

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.7	290663	PASS
68	69	0.00	2	1.6	4591	PASS
70	69	0.00	2	0.6	1660	PASS
127	198	10	80	43.6	345225	PASS
197	198	0.00	2	0.5	4213	PASS
198	198	50	100	100.0	791530	PASS
199	198	5	9	7.1	55840	PASS
275	198	10	60	22.9	181589	PASS
365	198	1	100	2.3	18397	PASS
441	442	0.01	24	14.8	102690	PASS
442	198	50	100	88.0	696170	PASS
443	442	15	24	19.0	132104	PASS

Injection Log Summary Report

Method : Y:\METHOD\2P080713.M (RTE Integrator)
Title : Method for 8270 analysis for instrument SVMS2
Start (Tune) File ID : Y:\DATA\2S082213\2DFTPP24.D
Injection Date : 22 Aug 2013 Log Time Period (hrs) : ALL
Injection Time : 12:27 Total files within period : 23
Sample Directory : Y:\DATA\2S082213\

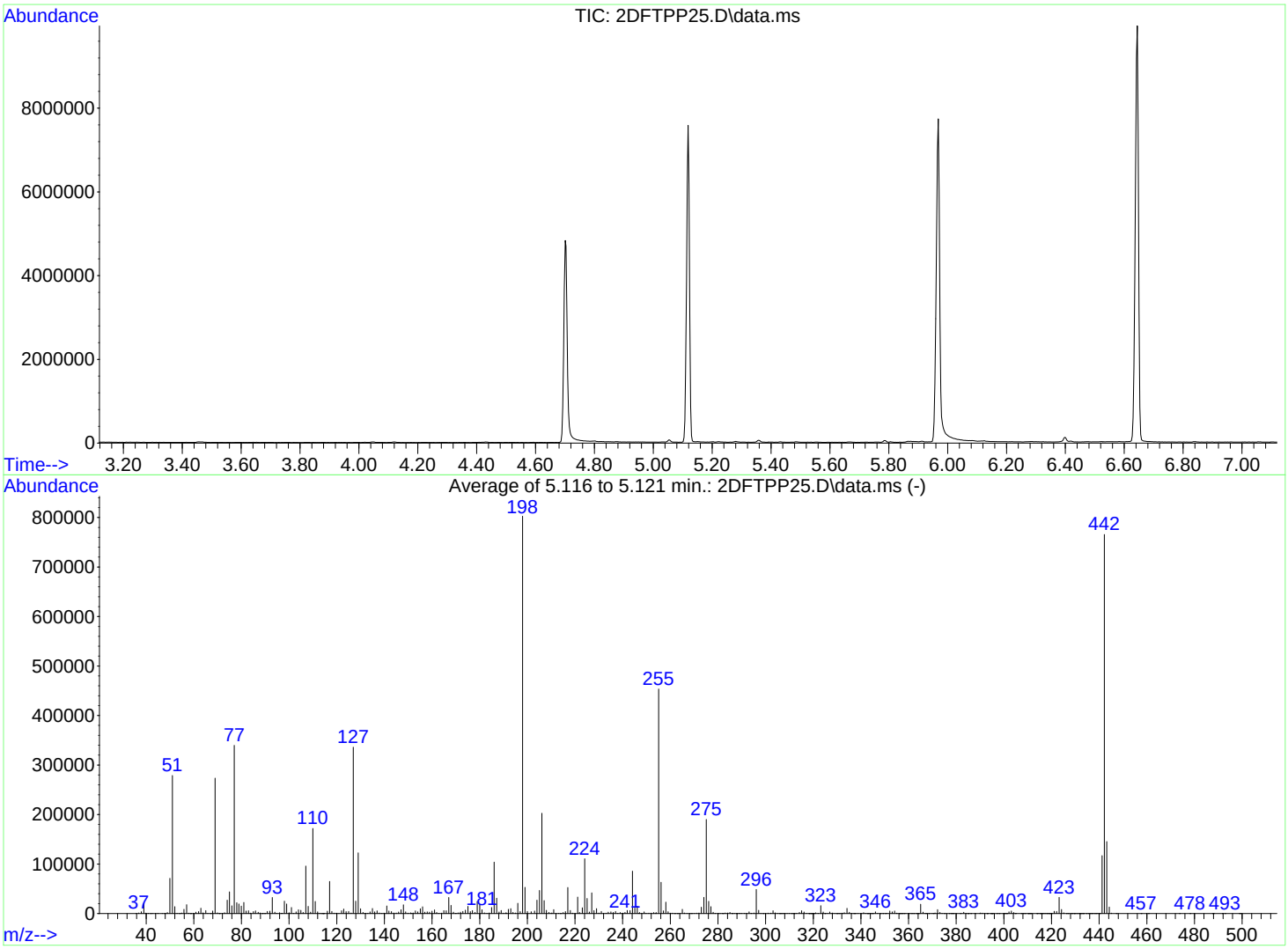
Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name Misc Info	Date	Time
2CCV21	1.00	1.00	1.00	CCV 500 ng/mL SVMS5723 500uL+5uL IS SVMS5788	22 Aug 2013	13:08
2MRL01	1.00	1.00	1.00	MRL 50ng/mL SVMS5715 500uL+5uL IS SVMS5788	22 Aug 2013	13:28
2MRL01	1.00	1.00	1.00	MRL 50ng/mL SVMS5715 500uL+5uL IS SVMS5788	22 Aug 2013	13:28
2MBS01	1.00	1.00	1.00	96978,MBS, 338954,500uL+5uL IS SVMS5	22 Aug 2013	13:48
2LCSS01	1.00	1.00	1.00	96978,LCSS, 338955,500uL+5uL IS SVMS5	22 Aug 2013	14:07
337811	1.00	1.00	1.00	96978,337811, 500uL+5uL IS SVMS5791	22 Aug 2013	14:27
337812	1.00	1.00	1.00	96978,337812, 500uL+5uL IS SVMS5791	22 Aug 2013	14:47
337813	1.00	1.00	1.00	96978,337813, 500uL+5uL IS SVMS5791	22 Aug 2013	15:07
337815	1.00	1.00	1.00	96978,337815, 500uL+5uL IS SVMS5791	22 Aug 2013	15:27
337818	1.00	1.00	1.00	96978,337818, 500uL+5uL IS SVMS5791	22 Aug 2013	15:46
337820	1.00	1.00	1.00	96978,337820, 500uL+5uL IS SVMS5791	22 Aug 2013	16:06
337822	1.00	1.00	1.00	96978,337822, 500uL+5uL IS SVMS5791	22 Aug 2013	16:26
337824	1.00	1.00	1.00	96978,337824, 500uL+5uL IS SVMS5791	22 Aug 2013	16:46
337826	1.00	1.00	1.00	96978,337826, 500uL+5uL IS SVMS5791	22 Aug 2013	17:07
337828	1.00	1.00	1.00	96978,337828, 500uL+5uL IS SVMS5791	22 Aug 2013	17:27
337830	1.00	1.00	1.00	96978,337830, 500uL+5uL IS SVMS5791	22 Aug 2013	17:46
337832	1.00	1.00	1.00	96978,337832, 500uL+5uL IS SVMS5791	22 Aug 2013	18:06
337834	1.00	1.00	1.00	96978,337834, 500uL+5uL IS SVMS5791	22 Aug 2013	18:26
337815MS	1.00	1.00	1.00	96978,MSS337815, 338957,500uL+5uL IS SVMS5	22 Aug 2013	18:46
337815SD	1.00	1.00	1.00	96978,MSDS337815, 338958,500uL+5uL IS SVMS5	22 Aug 2013	19:06
2IB02	1.00	1.00	1.00	InstrumentBlank 500uL+5uL IS SVMS5788	22 Aug 2013	19:25
2MRL02	1.00	1.00	1.00	MRL 50ng/mL SVMS5715 500uL+5uL IS SVMS5788	22 Aug 2013	19:45

Data File : C:\INSTARCH\DATA\2S082313\2DFTPP25.D Vial: 1
Acq On : 23 Aug 2013 8:56 Operator: RPN
Sample : DFTPP SVMS5691 Inst : SVMS2
Misc : SVMS2,25 ng DFTPP Multiplr: 1.00
Integrator: RTE

RPN
08/23/13

Method : C:\INSTARCH\METHOD\2SIMDFT.M
Title : DFTPP TUNE Method
Last Update : Tue Aug 13 17:56:08 2013



AutoFind: Scans 715, 716, 717; Background Corrected with Scan 706

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.8	279004	PASS
68	69	0.00	2	1.9	5242	PASS
70	69	0.00	2	0.5	1385	PASS
127	198	10	80	41.9	336175	PASS
197	198	0.00	2	0.5	4026	PASS
198	198	50	100	100.0	802645	PASS
199	198	5	9	6.6	52848	PASS
275	198	10	60	23.7	190229	PASS
365	198	1	100	2.3	18699	PASS
441	442	0.01	24	15.3	117073	PASS
442	198	50	100	95.4	765674	PASS
443	442	15	24	19.0	145424	PASS

Injection Log Summary Report

Method : Y:\METHOD\2P080713.M (RTE Integrator)
Title : Method for 8270 analysis for instrument SVMS2
Start (Tune) File ID : Y:\DATA\2S082313\2DFTPP25.D
Injection Date : 23 Aug 2013 Log Time Period (hrs) : ALL
Injection Time : 08:56 Total files within period : 34
Sample Directory : Y:\DATA\2S082313\

Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name / Misc Info	Date	Time
2CCV22	1.00	1.00	1.00	CCV 500 ng/mL SVMS5723 500uL+5uL IS SVMS5788	23 Aug 2013	09:11
2MRL01	1.00	1.00	1.00	MRL 50ng/mL SVMS5715 500uL+5uL IS SVMS5788	23 Aug 2013	09:31
337815SR	1.00	1.00	1.00	96978,MSS337815, 338957,500uL+5uL IS SVMS5	23 Aug 2013	17:25
337815DR	1.00	1.00	1.00	96978,MSDS337815, 338958,500uL+5uL IS SVMS5	23 Aug 2013	17:45
2MBS01R	1.00	1.00	1.00	96978,MBS, 339834,500uL+5uL IS SVMS5	23 Aug 2013	19:04
2MRL02	1.00	1.00	1.00	MRL 50ng/mL SVMS5715 500uL+5uL IS SVMS5788	23 Aug 2013	19:44
2MDL02	1.00	1.00	1.00	MDL 20ng/mL SVMS5714 500uL+5uL IS SVMS5788	23 Aug 2013	20:03

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : Contract :
Project : Site : Location : Group :
Lab File ID (Standard): 1ICAL4.D Date Analyzed : 5 Aug 2013
Instrument ID : SVMS1 Time Analyzed : 3:57 pm
GC Column : ID : (mm) Heated Purge (Y:N) :

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	158654	2.75	591736	4.14	467252	6.31
UPPER LIMIT	317308	3.25	1183472	4.64	934504	6.81
LOWER LIMIT	79327	2.25	295868	3.64	233626	5.81
File ID Sample						
1CCV12 ICAL 20ug	143781	2.72	536332	4.10	414568	6.28
1LCSS03 97038,LCS	146747	2.72	537464	4.10	422124	6.28
1MBS03 97038,MBS	155510	2.72	568313	4.09	454034	6.28
1MDL07 MDL 0.5/2	171329	2.72	605828	4.09	490825	6.28
1MDL08 MDL 0.5/2	176072	2.72	618811	4.09	468396	6.28
1MRL07 MRL 1/5ug	164423	2.72	584274	4.09	456855	6.28
1MRL08 MRL 1/5ug	173387	2.72	611489	4.10	470999	6.28
337811 97038,337	155814	2.72	571521	4.09	450086	6.28
337812 97038,337	155530	2.72	568371	4.09	453477	6.28
337813 97038,337	155943	2.72	570026	4.09	464437	6.28
337815 97038,337	155425	2.72	567088	4.09	467284	6.28
337815MS 97038,MSS	152041	2.72	547108	4.10	438356	6.28
337815SD 97038,MSD	156257	2.72	552482	4.10	445346	6.28
337818 97038,337	156775	2.72	575543	4.09	481593	6.28
337820 97038,337	156597	2.72	574342	4.09	470916	6.28
337822 97038,337	156661	2.72	582925	4.09	476673	6.28
337824 97038,337	163094	2.72	581200	4.09	472160	6.28
337826 97038,337	158308	2.72	575663	4.09	449256	6.28
337828 97038,337	155444	2.72	578440	4.09	474787	6.28
337830 97038,337	158420	2.72	586762	4.09	475162	6.28
337832 97038,337	160025	2.73	559677	4.10	469260	6.28
337834 97038,337	159270	2.72	587022	4.09	462214	6.28

IS1 (DCB) = 14Diclbenzd4
IS2 (NPT) = Naphthalened8
IS3 (ANT) = Acenaphthened10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : Contract :
Project : Site : Location : Group :
Lab File ID (Standard): 1ICAL4.D Date Analyzed : 5 Aug 2013
Instrument ID : SVMS1 Time Analyzed : 3:57 pm
GC Column : ID : (mm) Heated Purge (Y:N) :

	IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	738263	7.30	298144	8.74	321526	9.50
UPPER LIMIT	1476526	7.80	596288	9.24	643052	10.00
LOWER LIMIT	369132	6.80	149072	8.24	160763	9.00
File ID Sample						
1CCV12 ICAL 20ug	688549	7.28	279446	8.72	293945	9.48
1LCSS03 97038,LCS	625655	7.28	281519	8.72	275868	9.48
1MBS03 97038,MBS	711966	7.28	328459	8.72	299879	9.48
1MDL07 MDL 0.5/2	772153	7.28	353968	8.72	330128	9.48
1MDL08 MDL 0.5/2	740060	7.28	347425	8.72	324019	9.48
1MRL07 MRL 1/5ug	696573	7.28	331778	8.72	315132	9.48
1MRL08 MRL 1/5ug	713124	7.28	346261	8.72	319480	9.48
337811 97038,337	659161	7.28	315031	8.72	309881	9.48
337812 97038,337	620084	7.28	317641	8.72	305876	9.48
337813 97038,337	693595	7.28	319586	8.72	300363	9.48
337815 97038,337	666944	7.28	311528	8.72	295266	9.48
337815MS 97038,MSS	637017	7.28	291424	8.72	296798	9.48
337815SD 97038,MSD	640669	7.28	282461	8.72	291808	9.48
337818 97038,337	699697	7.28	309409	8.72	292702	9.48
337820 97038,337	694705	7.28	319050	8.72	299722	9.48
337822 97038,337	686875	7.28	319561	8.72	300142	9.48
337824 97038,337	690217	7.28	316687	8.72	306473	9.48
337826 97038,337	703322	7.28	314282	8.72	307544	9.48
337828 97038,337	654687	7.28	314014	8.72	290020	9.48
337830 97038,337	696898	7.28	318915	8.72	304315	9.48
337832 97038,337	641827	7.28	303600	8.72	290197	9.48
337834 97038,337	711784	7.28	326406	8.72	287097	9.48

IS4 (PHN) = Phenanthrd10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : Contract :
Project : Site : Location : Group :
Lab File ID (Standard): 1ICAL4.D Date Analyzed : 5 Aug 2013
Instrument ID : SVMS1 Time Analyzed : 3:57 pm
GC Column : ID : (mm) Heated Purge (Y:N) :

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	158654	2.75	591736	4.14	467252	6.31
UPPER LIMIT	317308	3.25	1183472	4.64	934504	6.81
LOWER LIMIT	79327	2.25	295868	3.64	233626	5.81
File ID Sample						
1CCV13 CCV 20ug/	158486	2.72	592060	4.10	451225	6.28
1MDL10 MDL 0.5/2	184611	2.72	610295	4.10	502537	6.28
1MDL09 MDL 0.5/2	182713	2.72	629539	4.10	515362	6.28
1MRL10 MRL 1/5ug	183450	2.72	625809	4.09	468977	6.28
1MRL09 MRL 1/5ug	177428	2.72	637990	4.10	504686	6.28
337815DR 97038,MSD	160550	2.72	592915	4.10	466886	6.28
337815SR 97038,MSS	157140	2.72	583009	4.09	467789	6.28

IS1 (DCB) = 14Diclbenzd4
IS2 (NPT) = Naphthalened8
IS3 (ANT) = Acenaphthened10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

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* Values outside of contract required QC limits

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : Contract :
Project : Site : Location : Group :
Lab File ID (Standard): 1ICAL4.D Date Analyzed : 5 Aug 2013
Instrument ID : SVMS1 Time Analyzed : 3:57 pm
GC Column : ID : (mm) Heated Purge (Y:N) :

	IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	738263	7.30	298144	8.74	321526	9.50
UPPER LIMIT	1476526	7.80	596288	9.24	643052	10.00
LOWER LIMIT	369132	6.80	149072	8.24	160763	9.00
File ID Sample						
1CCV13 CCV 20ug/	732271	7.28	293640	8.72	321600	9.48
1MDL10 MDL 0.5/2	769181	7.28	357249	8.72	335988	9.48
1MDL09 MDL 0.5/2	782057	7.28	361178	8.72	343265	9.48
1MRL10 MRL 1/5ug	734130	7.28	361307	8.72	345790	9.48
1MRL09 MRL 1/5ug	792388	7.28	364663	8.72	352374	9.48
337815DR 97038,MSD	681891	7.28	306954	8.72	314252	9.48
337815SR 97038,MSS	676634	7.28	307524	8.72	307829	9.48

IS4 (PHN) = Phenanthrd10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : Contract :
Project : Site : Location : Group :
Lab File ID (Standard): 2ICAL4.D Date Analyzed : 7 Aug 2013
Instrument ID : SVMS2 Time Analyzed : 11:36 am
GC Column : ID : (mm) Heated Purge (Y:N) :

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	22623	2.62	105129	3.42	66335	4.62
UPPER LIMIT	45246	3.12	210258	3.92	132670	5.12
LOWER LIMIT	11312	2.12	52565	2.92	33168	4.12
File ID Sample						
2CCV21 CCV 500 n	23789	2.61	106152	3.41	64272	4.60
2LCSS01 96978,LCS	24230	2.61	102428	3.40	61318	4.60
2MBS01 96978,MBS	23753	2.61	100461	3.40	60349	4.60
2MDL02 MDL 20ng/	23286	2.61	105833	3.40	66110	4.60
2MRL01 MRL 50ng/	24449	2.61	110217	3.41	67600	4.60
2MRL02 MRL 50ng/	24127	2.61	110404	3.40	68161	4.60
337811 96978,337	25493	2.61	104620	3.40	62235	4.60
337812 96978,337	25317	2.61	103955	3.40	62283	4.60
337813 96978,337	25715	2.61	107746	3.40	64935	4.60
337815 96978,337	24446	2.61	101994	3.40	60849	4.60
337815MS 96978,MSS	25489	2.61	107623	3.40	64944	4.60
337815SD 96978,MSD	25397	2.61	107629	3.40	64857	4.60
337818 96978,337	25028	2.61	105091	3.40	62999	4.60
337820 96978,337	25334	2.61	104526	3.40	63098	4.60
337822 96978,337	25170	2.61	104255	3.40	61838	4.60
337824 96978,337	25138	2.61	104024	3.40	62449	4.60
337826 96978,337	26292	2.61	109578	3.40	65293	4.60
337828 96978,337	25725	2.61	106830	3.40	63654	4.60
337830 96978,337	25417	2.61	104194	3.40	62587	4.60
337832 96978,337	26051	2.61	108202	3.40	64895	4.60
337834 96978,337	26144	2.61	107848	3.40	64450	4.60

IS1 (DCB) = 14Diclbenzd4
IS2 (NPT) = Naphthalened8
IS3 (ANT) = Acenaphthened10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : Contract :
Project : Site : Location : Group :
Lab File ID (Standard): 2ICAL4.D Date Analyzed : 7 Aug 2013
Instrument ID : SVMS2 Time Analyzed : 11:36 am
GC Column : ID : (mm) Heated Purge (Y:N) :

	IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	114860	5.66	98623	7.51	67537	8.76
UPPER LIMIT	229720	6.16	197246	8.01	135074	9.26
LOWER LIMIT	57430	5.16	49312	7.01	33769	8.26
File ID Sample						
2CCV21 CCV 500 n	119776	5.64	110585	7.49	90560	8.73
2LCSS01 96978,LCS	116371	5.63	110289	7.49	83183	8.72
2MBS01 96978,MBS	114991	5.63	108470	7.49	80717	8.73
2MDL02 MDL 20ng/	124159	5.63	116403	7.49	93107	8.72
2MRL01 MRL 50ng/	126924	5.63	115949	7.49	90997	8.72
2MRL02 MRL 50ng/	127407	5.63	119532	7.49	96285	8.72
337811 96978,337	118418	5.63	113874	7.49	98966	8.72
337812 96978,337	117716	5.63	113560	7.49	101113	8.72
337813 96978,337	123774	5.63	119050	7.49	103360	8.72
337815 96978,337	114812	5.63	111920	7.49	91830	8.72
337815MS 96978,MSS	123527	5.63	120141	7.49	106074	8.72
337815SD 96978,MSD	123535	5.63	119735	7.49	102042	8.72
337818 96978,337	120246	5.63	116345	7.49	99991	8.72
337820 96978,337	119775	5.63	115380	7.49	103256	8.72
337822 96978,337	115652	5.63	111551	7.49	97425	8.72
337824 96978,337	117126	5.63	113375	7.49	98942	8.72
337826 96978,337	123317	5.63	118410	7.49	105157	8.72
337828 96978,337	120572	5.63	116581	7.49	102403	8.72
337830 96978,337	117801	5.63	113783	7.49	100588	8.72
337832 96978,337	123077	5.63	119661	7.49	106625	8.72
337834 96978,337	123019	5.63	119266	7.49	105625	8.72

IS4 (PHN) = Phenanthrd10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : Contract :
Project : Site : Location : Group :
Lab File ID (Standard): 2ICAL4.D Date Analyzed : 7 Aug 2013
Instrument ID : SVMS2 Time Analyzed : 11:36 am
GC Column : ID : (mm) Heated Purge (Y:N) :

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	22623	2.62	105129	3.42	66335	4.62
UPPER LIMIT	45246	3.12	210258	3.92	132670	5.12
LOWER LIMIT	11312	2.12	52565	2.92	33168	4.12
File ID Sample						
2CCV22 CCV 500 n	23599	2.61	105764	3.40	64683	4.60
2MBS01R 96978,MBS	22448	2.61	94482	3.40	56816	4.60
2MDL02 MDL 20ng/	24541	2.61	110371	3.40	68187	4.60
2MRL01 MRL 50ng/	24482	2.61	110643	3.41	68919	4.60
2MRL02 MRL 50ng/	26021	2.61	116837	3.40	72266	4.60
337815DR 96978,MSD	25905	2.61	109002	3.40	66290	4.60
337815SR 96978,MSS	23871	2.61	100262	3.40	59830	4.60

IS1 (DCB) = 14Diclbenzd4
IS2 (NPT) = Naphthalened8
IS3 (ANT) = Acenaphthened10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : Contract :
Project : Site : Location : Group :
Lab File ID (Standard): 2ICAL4.D Date Analyzed : 7 Aug 2013
Instrument ID : SVMS2 Time Analyzed : 11:36 am
GC Column : ID : (mm) Heated Purge (Y:N) :

	IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	114860	5.66	98623	7.51	67537	8.76
UPPER LIMIT	229720	6.16	197246	8.01	135074	9.26
LOWER LIMIT	57430	5.16	49312	7.01	33769	8.26
File ID Sample						
2CCV22 CCV 500 n	120586	5.63	114661	7.49	94711	8.72
2MBS01R 96978,MBS	107494	5.63	103276	7.49	81878	8.72
2MDL02 MDL 20ng/	130082	5.63	122636	7.49	89939	8.72
2MRL01 MRL 50ng/	128957	5.63	119423	7.49	91583	8.72
2MRL02 MRL 50ng/	137374	5.63	129812	7.49	97909	8.72
337815DR 96978,MSD	127525	5.63	125622	7.49	111103	8.72
337815SR 96978,MSS	115124	5.63	111043	7.49	92733	8.72

IS4 (PHN) = Phenanthrd10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

1/5 ug/mL MRL Check Standard %Recovery

Data File Name	1MRL07.D
Data File Path	C:\INSTARCH\Data\1S082213\
Operator	RPN
Date Acquired	8/22/2013 16:02
Acq. Method File	1S080513.M
Sample Name	MRL 1/5ug/ml SVMS5799
Misc Info	500uL+5ul IS S2860A
Vial Number	3
Instrument Name	SVMS1
Sample Multiplier	1

#	Name	Ret Time	Amount	Units	Response	70-130 %REC	
1)	14Diclbenzd4	2.72	20.00	ug/mL	164423	ISTD	
2)	Ntrsdimeth	1.30	0.92	ug/mL	5522	92	
3)	Pyridine	1.34	0.67	ug/mL	7473	67	#
4)	SURR2Flphenol	1.89	1.96	%REC	8793	78	
5)	Aniline	2.47	1.00	ug/mL	14683	100	
6)	bis2Clethletr	2.53	1.14	ug/mL	11310	114	
7)	SURRPhenol-d5	2.47	2.45	%REC	11732	98	
8)	Phenol	2.48	4.58	ug/mL	64301	92	
9)	2-Cl-phenol	2.55	4.89	ug/mL	58431	98	
10)	13Diclbenz	2.66	1.08	ug/mL	15010	108	
11)	14Diclbenz	2.74	1.11	ug/mL	14677	111	
12)	12Diclbenz	2.86	1.05	ug/mL	13756	105	
13)	Benzyl alcoho	0.00	0.00	ug/mL	0	0	#
14)	bis2clispreth	3.02	1.07	ug/mL	17901	107	
15)	2Methylphenol	3.01	5.34	ug/mL	42496	107	
16)	Ntrspyrrol	3.11	1.02	ug/mL	4349	102	
17)	Acetophenone	3.12	0.95	ug/mL	12192	95	
18)	Hexaclethane	3.18	1.04	ug/mL	5175	104	
19)	N-Ntrsdinprop	3.15	1.03	ug/mL	5950	103	
20)	3&4Methylphenol	3.18	9.66	ug/mL	92746	107	
21)	Naphthalened8	4.09	20.00	ug/mL	584274	ISTD	
22)	SURRNitrbenzened5	3.27	5.30	%REC	8981	106	
23)	Nitrobenzene	3.29	1.01	ug/mL	8322	101	
24)	Isophorone	3.58	1.04	ug/mL	16417	104	
25)	2-Nitrophenol	3.65	5.08	ug/mL	29545	102	
26)	24Dimthpheno	3.79	5.82	ug/mL	47481	116	
27)	bis2clethoxym	3.91	1.05	ug/mL	11665	105	
28)	24Diclphenol	3.97	5.20	ug/mL	47948	104	
29)	124Triclbenz	4.05	1.19	ug/mL	12313	119	
30)	Benzoic acid	3.97	4.93	ug/mL	22505	99	
31)	Naphthalene	4.12	1.11	ug/mL	31092	111	
32)	4-Cl-aniline	4.27	1.02	ug/mL	12119	102	
33)	26Diclphenol	4.26	6.08	ug/mL	45808	122	
34)	Hexaclprop	4.25	1.02	ug/mL	6377	102	
35)	Hexaclbutdien	4.34	1.14	ug/mL	6277	114	
36)	4Cl3methylphe	5.08	4.88	ug/mL	50058	98	
37)	2Methylnaphth	5.12	2.57	ug/mL	73166	257	#

38)	1Methylnaphth	5.27	1.15	ug/mL	28981	115
39)	Acenaphthened10	6.28	20.00	ug/mL	456855	ISTD
40)	Hxclcycpentdi	5.39	0.82	ug/mL	5463	82
41)	1245Tetrclbenz	5.39	1.24	ug/mL	17399	124
42)	246Triclpheno	5.59	5.16	ug/mL	46373	103
43)	245Triclpheno	5.65	5.21	ug/mL	51150	104
44)	SURR2Flbiphenyl	5.69	5.97	%REC	35827	119
45)	2Clnaphthalen	5.77	1.17	ug/mL	31617	117
46)	2Nitroaniline	5.93	0.95	ug/mL	5062	95
47)	Acnaphthylene	6.15	0.88	ug/mL	50712	88
48)	Dimethylphtha	6.15	0.90	ug/mL	34790	90
49)	26Dinitrotolu	6.18	1.09	ug/mL	7297	109
50)	Acenaphthene	6.30	0.94	ug/mL	27206	94
51)	3Nitroaniline	6.31	1.15	ug/mL	7154	115
52)	24Dinitphenol	6.40	5.45	ug/mL	13692	109
53)	Dibenzofuran	6.45	1.24	ug/mL	43381	124
54)	24Dinitrotolu	6.49	1.11	ug/mL	9295	111
55)	4-Nitrophenol	6.52	5.52	ug/mL	26251	110
56)	2,3,5,6-Tetrachlorop	6.53	1.05	ug/mL	6903	105
57)	2,3,4,6-Tetrachlorop	6.56	5.60	ug/mL	43717	112
58)	Fluorene	6.69	0.94	ug/mL	34022	94
59)	4Clphlphlethr	6.72	0.96	ug/mL	16303	96
60)	Diethylphthal	6.68	0.95	ug/mL	34572	95
61)	4Nitroaniline	6.75	1.12	ug/mL	6901	112
62)	SURR246Tribrphenl	6.86	2.92	%REC	4417	117
63)	Phenanthrd10	7.28	20.00	ug/mL	696573	ISTD
64)	46Dinit2mylph	6.77	5.15	ug/mL	24610	103
65)	Ntrsdiphlam&Diphlam	6.81	1.87	ug/mL	40829	94
66)	Azobenz&12Diphlhyd	6.82	2.03	ug/mL	15157	102
67)	4Brphlphlethr	7.03	1.21	ug/mL	9422	121
68)	Hexaclbenzene	7.04	1.41	ug/mL	11512	141 #
69)	Pentaclphenol	7.19	5.50	ug/mL	28385	110
70)	Phenanthrene	7.29	1.22	ug/mL	43668	122
71)	Anthracene	7.32	1.32	ug/mL	48931	132 #
72)	Carbazole	7.44	1.31	ug/mL	45866	131 #
73)	Dinbtylphthal	7.67	1.37	ug/mL	65125	137 #
74)	Fluoranthene	7.98	1.29	ug/mL	54257	129
75)	Chrysene-d12	8.72	20.00	ug/mL	331778	ISTD
76)	Benzidine	8.09	0.69	ug/mL	8481	69 #
77)	Pyrene	8.11	1.28	ug/mL	53611	128
78)	SURRTerphenyl-d14	8.21	6.09	%REC	20144	122
79)	Btylbzylphth	8.47	1.01	ug/mL	11777	101
80)	bis2Ethlhxlad	8.52	1.03	ug/mL	9809	103
81)	33Diclbnzidin	8.72	1.30	ug/mL	6565	130 #
82)	B[a]anthracen	8.71	1.13	ug/mL	21272	113
83)	Chrysene	8.73	1.17	ug/mL	20469	117
84)	bis2Ethlhxlph	8.78	1.07	ug/mL	16691	107
85)	Dinoctylphthl	9.12	1.02	ug/mL	29585	102
86)	Perylene-d12	9.48	20.00	ug/mL	315132	ISTD
87)	B[b]fluoranth	9.27	1.13	ug/mL	20205	113

88) B[k]fluoranth	9.29	1.22	ug/mL	20156	122
89) Benz[a]pyrene	9.44	1.21	ug/mL	21248	121
90) Indeno-pyrene	10.03	1.16	ug/mL	22272	116
91) Dib[ah]anthr	10.04	1.19	ug/mL	17111	119
92) B[ghi]perylen	10.15	1.20	ug/mL	20594	120

(#) = recovery out of range Average Percent Recovery = 108

1/5 ug/mL MRL Check Standard %Recovery

Data File Name	1MRL08.D
Data File Path	C:\INSTARCH\Data\1S082213\
Operator	RPN
Date Acquired	8/22/2013 22:09
Acq. Method File	1S080513.M
Sample Name	MRL 1/5ug/ml SVMS5799
Misc Info	500uL+5ul IS S2860A
Vial Number	3
Instrument Name	SVMS1
Sample Multiplier	1

#	Name	Ret Time	Amount	Units	Response	70-130 %REC	
1)	14Diclbenzd4	2.72	20.00	ug/mL	173387	ISTD	
2)	Ntrsdimeth	1.30	0.80	ug/mL	5060	80	
3)	Pyridine	1.35	0.60	ug/mL	7080	60	#
4)	SURR2Flphenol	1.89	2.01	%REC	9514	81	
5)	Aniline	2.47	0.97	ug/mL	15021	97	
6)	bis2Clethletr	2.54	1.19	ug/mL	12435	119	
7)	SURRPhenol-d5	2.48	2.34	%REC	11780	93	
8)	Phenol	2.49	4.53	ug/mL	66966	91	
9)	2-Cl-phenol	2.55	5.23	ug/mL	65999	105	
10)	13Diclbenz	2.67	1.06	ug/mL	15521	106	
11)	14Diclbenz	2.74	1.08	ug/mL	14967	108	
12)	12Diclbenz	2.86	1.04	ug/mL	14308	104	
13)	Benzyl alcoho	0.00	0.00	ug/mL	0	0	#
14)	bis2clispreth	3.02	1.13	ug/mL	19892	113	
15)	2Methylphenol	3.01	4.85	ug/mL	40656	97	
16)	Ntrspyrrol	3.12	0.95	ug/mL	4312	95	
17)	Acetophenone	3.12	0.89	ug/mL	12052	89	
18)	Hexaclethane	3.18	1.12	ug/mL	5887	112	
19)	N-Ntrsdinprop	3.15	0.98	ug/mL	5972	98	
20)	3&4Methylphenol	3.18	9.12	ug/mL	92262	101	
21)	Naphthalened8	4.10	20.00	ug/mL	611489	ISTD	
22)	SURRNitrbenzened5	3.27	5.21	%REC	9228	104	
23)	Nitrobenzene	3.29	0.86	ug/mL	7433	86	
24)	Isophorone	3.58	1.05	ug/mL	17385	105	
25)	2-Nitrophenol	3.65	5.06	ug/mL	30833	101	
26)	24Dimthpheno	3.79	5.57	ug/mL	47531	111	
27)	bis2clethoxym	3.91	1.09	ug/mL	12713	109	
28)	24Diclphenol	3.97	5.31	ug/mL	51240	106	
29)	124Triclbenz	4.05	1.14	ug/mL	12391	114	
30)	Benzoic acid	3.97	4.55	ug/mL	21712	91	
31)	Naphthalene	4.12	1.15	ug/mL	33769	115	
32)	4-Cl-aniline	4.27	1.13	ug/mL	14026	113	
33)	26Diclphenol	4.26	5.86	ug/mL	46149	117	
34)	Hexaclprop	4.25	1.04	ug/mL	6756	104	
35)	Hexaclbutdien	4.33	1.13	ug/mL	6531	113	
36)	4Cl3methylphe	5.10	5.02	ug/mL	53932	100	
37)	2Methylnaphth	5.12	1.58	ug/mL	47235	158	#

38)	1Methylnaphth	5.27	1.18	ug/mL	31302	118
39)	Acenaphthened10	6.28	20.00	ug/mL	470999	ISTD
40)	Hxclcycpentdi	5.39	0.69	ug/mL	4773	69 #
41)	1245Tetrclbenz	5.40	1.22	ug/mL	17658	122
42)	246Triclpheno	5.60	4.82	ug/mL	44662	96
43)	245Triclpheno	5.65	3.97	ug/mL	40186	79
44)	SURR2Flbiphenyl	5.70	6.10	%REC	37783	122
45)	2Clnaphthalen	5.77	1.22	ug/mL	34060	122
46)	2Nitroaniline	5.94	0.83	ug/mL	4570	83
47)	Acnaphthylene	6.15	0.94	ug/mL	54906	94
48)	Dimethylphtha	6.15	0.93	ug/mL	36749	93
49)	26Dinitrotolu	6.18	1.11	ug/mL	7653	111
50)	Acenaphthene	6.30	0.94	ug/mL	28157	94
51)	3Nitroaniline	6.32	1.24	ug/mL	7937	124
52)	24Dinitphenol	6.41	4.75	ug/mL	10430	95
53)	Dibenzofuran	6.45	1.21	ug/mL	43383	121
54)	24Dinitrotolu	6.50	1.06	ug/mL	9153	106
55)	4-Nitrophenol	6.57	4.11	ug/mL	20139	82
56)	2,3,5,6-Tetrachlorop	6.53	0.91	ug/mL	6161	91
57)	2,3,4,6-Tetrachlorop	6.57	5.55	ug/mL	44666	111
58)	Fluorene	6.69	0.99	ug/mL	36485	99
59)	4Clphlphlethr	6.72	0.98	ug/mL	17013	98
60)	Diethylphthal	6.68	1.01	ug/mL	37180	101
61)	4Nitroaniline	6.75	1.14	ug/mL	7255	114
62)	SURR246Tribrphenl	6.86	2.30	%REC	3583	92
63)	Phenanthrd10	7.28	20.00	ug/mL	713124	ISTD
64)	46Dinit2mylph	6.77	4.61	ug/mL	22554	92
65)	Ntrsdiphlam&Diphlam	6.81	2.02	ug/mL	44206	101
66)	Azobenz&12Diphlhyd	6.82	1.95	ug/mL	15018	97
67)	4Brphlphlethr	7.03	1.25	ug/mL	9966	125
68)	Hexaclbenzene	7.04	1.38	ug/mL	11575	138 #
69)	Pentaclphenol	7.19	4.59	ug/mL	24239	92
70)	Phenanthrene	7.29	1.31	ug/mL	47777	131 #
71)	Anthracene	7.32	1.35	ug/mL	51333	135 #
72)	Carbazole	7.44	1.33	ug/mL	47692	133 #
73)	Dinbtylphthal	7.67	1.35	ug/mL	65685	135 #
74)	Fluoranthene	7.98	1.25	ug/mL	53497	125
75)	Chrysene-d12	8.72	20.00	ug/mL	346261	ISTD
76)	Benzidine	8.10	0.85	ug/mL	10797	85
77)	Pyrene	8.11	1.22	ug/mL	53359	122
78)	SURRTerphenyl-d14	8.21	5.85	%REC	20216	117
79)	Btylbzylphth	8.47	1.05	ug/mL	12814	105
80)	bis2Ethlhxlad	8.52	1.03	ug/mL	10249	103
81)	33Diclbnzidin	8.72	1.47	ug/mL	7761	147 #
82)	B[a]anthracen	8.71	1.06	ug/mL	20842	106
83)	Chrysene	8.73	1.09	ug/mL	19931	109
84)	bis2Ethlhxlph	8.78	1.07	ug/mL	17449	107
85)	Dinoctylphthl	9.12	0.98	ug/mL	29501	98
86)	Perylene-d12	9.48	20.00	ug/mL	319480	ISTD
87)	B[b]fluoranth	9.27	0.98	ug/mL	17891	98

88) B[k]fluoranth	9.29	1.36	ug/mL	22796	136 #
89) Benz[a]pyrene	9.44	1.14	ug/mL	20226	114
90) Indeno-pyrene	10.03	1.22	ug/mL	23760	122
91) Dib[ah]anthr	10.04	1.18	ug/mL	17119	118
92) B[ghi]perylen	10.15	1.17	ug/mL	20440	117

(#) = recovery out of range Average Percent Recovery = 105

1/5 ug/mL MRL Check Standard %Recovery

Data File Name	1MRL09.D
Data File Path	C:\INSTARCH\Data\1S082313\
Operator	RPN
Date Acquired	8/23/2013 13:11
Acq. Method File	1S080513.M
Sample Name	MRL 1/5ug/ml SVMS5799
Misc Info	500uL+5ul IS S2860A
Vial Number	3
Instrument Name	SVMS1
Sample Multiplier	1

#	Name	Ret Time	Amount	Units	Response	70-130 %REC	
1)	14Diclbenzd4	2.72	20.00	ug/mL	177428	ISTD	
2)	Ntrsdimeth	1.30	0.84	ug/mL	5432	84	
3)	Pyridine	1.35	0.80	ug/mL	9678	80	
4)	SURR2Flphenol	1.89	2.05	%REC	9921	82	
5)	Aniline	2.47	0.96	ug/mL	15260	96	
6)	bis2Clethletr	2.53	1.22	ug/mL	13112	122	
7)	SURRPhenol-d5	2.47	2.55	%REC	13166	102	
8)	Phenol	2.49	4.72	ug/mL	71442	94	
9)	2-Cl-phenol	2.55	5.30	ug/mL	68393	106	
10)	13Diclbenz	2.67	1.13	ug/mL	17032	113	
11)	14Diclbenz	2.73	1.14	ug/mL	16156	114	
12)	12Diclbenz	2.86	1.05	ug/mL	14812	105	
13)	Benzyl alcoho	0.00	0.00	ug/mL	0	0	#
14)	bis2clispreth	3.02	1.17	ug/mL	21121	117	
15)	2Methylphenol	3.01	5.30	ug/mL	45498	106	
16)	Ntrspyrrol	3.12	0.74	ug/mL	3418	74	
17)	Acetophenone	3.12	0.95	ug/mL	13137	95	
18)	Hexaclethane	3.18	1.20	ug/mL	6411	120	
19)	N-Ntrsdinprop	3.15	1.10	ug/mL	6907	110	
20)	3&4Methylphenol	3.18	9.75	ug/mL	101018	108	
21)	Naphthalened8	4.10	20.00	ug/mL	637990	ISTD	
22)	SURRNitrbenzened5	3.27	4.88	%REC	9025	98	
23)	Nitrobenzene	3.29	0.96	ug/mL	8652	96	
24)	Isophorone	3.58	1.04	ug/mL	17938	104	
25)	2-Nitrophenol	3.65	5.20	ug/mL	33049	104	
26)	24Dimthpheno	3.79	5.63	ug/mL	50076	113	
27)	bis2clethoxym	3.91	1.02	ug/mL	12364	102	
28)	24Diclphenol	3.97	5.32	ug/mL	53563	106	
29)	124Triclbenz	4.05	1.20	ug/mL	13602	120	
30)	Benzoic acid	3.97	5.34	ug/mL	26587	107	
31)	Naphthalene	4.12	1.15	ug/mL	35331	115	
32)	4-Cl-aniline	4.28	1.12	ug/mL	14571	112	
33)	26Diclphenol	4.26	6.08	ug/mL	49965	122	
34)	Hexaclprop	4.25	1.04	ug/mL	7090	104	
35)	Hexaclbutdien	4.34	1.25	ug/mL	7531	125	
36)	4Cl3methylphe	5.11	4.93	ug/mL	55256	99	
37)	2Methylnaphth	5.12	2.48	ug/mL	77341	248	#

38)	1Methylnaphth	5.27	1.25	ug/mL	34442	125
39)	Acenaphthened10	6.28	20.00	ug/mL	504686	ISTD
40)	Hxclcycpentdi	5.39	0.74	ug/mL	5470	74
41)	1245Tetrclbenz	5.39	1.26	ug/mL	19566	126
42)	246Triclpheno	5.59	4.83	ug/mL	47928	97
43)	245Triclpheno	5.65	4.42	ug/mL	47976	88
44)	SURR2Flbiphenyl	5.69	6.04	%REC	40104	121
45)	2Clnaphthalen	5.77	1.25	ug/mL	37504	125
46)	2Nitroaniline	5.94	0.93	ug/mL	5473	93
47)	Acnaphthylene	6.15	0.93	ug/mL	58394	93
48)	Dimethylphtha	6.14	0.93	ug/mL	39346	93
49)	26Dinitrotolu	6.18	1.14	ug/mL	8424	114
50)	Acenaphthene	6.30	0.95	ug/mL	30403	95
51)	3Nitroaniline	6.32	1.04	ug/mL	7115	104
52)	24Dinitphenol	6.41	4.66	ug/mL	10670	93
53)	Dibenzofuran	6.45	1.28	ug/mL	49529	128
54)	24Dinitrotolu	6.49	0.97	ug/mL	9010	97
55)	4-Nitrophenol	6.55	4.16	ug/mL	21882	83
56)	2,3,5,6-Tetrachlorop	6.53	1.01	ug/mL	7345	101
57)	2,3,4,6-Tetrachlorop	6.56	5.25	ug/mL	45312	105
58)	Fluorene	6.69	0.97	ug/mL	38344	97
59)	4Clphlphlethr	6.72	0.96	ug/mL	17908	96
60)	Diethylphthal	6.68	0.96	ug/mL	38271	96
61)	4Nitroaniline	6.75	1.00	ug/mL	6763	100
62)	SURR246Tribrphenl	6.86	2.90	%REC	4835	116
63)	Phenanthrd10	7.28	20.00	ug/mL	792388	ISTD
64)	46Dinit2mylph	6.77	4.31	ug/mL	23426	86
65)	Ntrsdiphlam&Diphlam	6.81	1.86	ug/mL	46237	93
66)	Azobenz&12Diphlhyd	6.82	1.98	ug/mL	16917	99
67)	4Brphlphlethr	7.03	1.26	ug/mL	11191	126
68)	Hexaclbenzene	7.04	1.37	ug/mL	12799	137 #
69)	Pentaclphenol	7.18	4.62	ug/mL	27102	92
70)	Phenanthrene	7.29	1.27	ug/mL	51619	127
71)	Anthracene	7.32	1.32	ug/mL	55741	132 #
72)	Carbazole	7.44	1.28	ug/mL	51009	128
73)	Dinbtylphthal	7.67	1.34	ug/mL	72558	134 #
74)	Fluoranthene	7.98	1.24	ug/mL	59019	124
75)	Chrysene-d12	8.72	20.00	ug/mL	364663	ISTD
76)	Benzidine	8.09	0.97	ug/mL	13094	97
77)	Pyrene	8.11	1.27	ug/mL	58509	127
78)	SURRTerphenyl-d14	8.21	6.35	%REC	23076	127
79)	Btylbzylphth	8.46	1.00	ug/mL	12821	100
80)	bis2Ethlhxlad	8.52	1.00	ug/mL	10424	100
81)	33Diclbnzidin	8.72	1.35	ug/mL	7480	135 #
82)	B[a]anthracen	8.71	1.12	ug/mL	23220	112
83)	Chrysene	8.73	1.16	ug/mL	22330	116
84)	bis2Ethlhxlph	8.78	1.09	ug/mL	18677	109
85)	Dinoctylphthl	9.12	0.91	ug/mL	28922	91
86)	Perylene-d12	9.48	20.00	ug/mL	352374	ISTD
87)	B[b]fluoranth	9.28	1.03	ug/mL	20596	103

88) B[k]fluoranth	9.29	1.26	ug/mL	23298	126
89) Benz[a]pyrene	9.45	1.19	ug/mL	23356	119
90) Indeno-pyrene	10.03	1.09	ug/mL	23580	109
91) Dib[ah]anthr	10.04	1.16	ug/mL	18525	116
92) B[ghi]perylen	10.15	1.18	ug/mL	22806	118

(#) = recovery out of range Average Percent Recovery = 108

1/5 ug/mL MRL Check Standard %Recovery

Data File Name	1MRL10.D
Data File Path	C:\INSTARCH\Data\1S082313\
Operator	RPN
Date Acquired	8/23/2013 15:44
Acq. Method File	1S080513.M
Sample Name	MRL 1/5ug/ml SVMS5799
Misc Info	500uL+5ul IS S2860A
Vial Number	3
Instrument Name	SVMS1
Sample Multiplier	1

#	Name	Ret Time	Amount	Units	Response	70-130 %REC	
1)	14Diclbenzd4	2.72	20.00	ug/mL	183450	ISTD	
2)	Ntrsdimeth	1.31	0.66	ug/mL	4441	66	#
3)	Pyridine	1.35	0.72	ug/mL	8964	72	
4)	SURR2Flphenol	1.89	1.60	%REC	8010	64	#
5)	Aniline	2.47	0.93	ug/mL	15295	93	
6)	bis2Clethletr	2.53	1.13	ug/mL	12503	113	
7)	SURRPhenol-d5	2.48	2.33	%REC	12402	93	
8)	Phenol	2.48	4.35	ug/mL	68117	87	
9)	2-Cl-phenol	2.55	4.88	ug/mL	65053	98	
10)	13Diclbenz	2.67	1.04	ug/mL	16226	104	
11)	14Diclbenz	2.73	1.08	ug/mL	15951	108	
12)	12Diclbenz	2.86	1.04	ug/mL	15200	104	
13)	Benzyl alcoho	0.00	0.00	ug/mL	0	0	#
14)	bis2clispreth	3.02	1.03	ug/mL	19173	103	
15)	2Methylphenol	3.01	4.56	ug/mL	40496	91	
16)	Ntrspyrrol	3.12	0.86	ug/mL	4089	86	
17)	Acetophenone	3.13	0.90	ug/mL	12894	90	
18)	Hexaclethane	3.18	1.04	ug/mL	5756	104	
19)	N-Ntrsdinprop	3.15	0.99	ug/mL	6441	99	
20)	3&4Methylphenol	3.18	8.85	ug/mL	94788	98	
21)	Naphthalened8	4.09	20.00	ug/mL	625809	ISTD	
22)	SURRNitrbenzened5	3.27	4.92	%REC	8926	98	
23)	Nitrobenzene	3.29	0.84	ug/mL	7435	84	
24)	Isophorone	3.57	1.04	ug/mL	17647	104	
25)	2-Nitrophenol	3.65	4.89	ug/mL	30463	98	
26)	24Dimthpheno	3.79	5.65	ug/mL	49304	113	
27)	bis2clethoxym	3.91	0.99	ug/mL	11725	99	
28)	24Diclphenol	3.97	5.12	ug/mL	50504	102	
29)	124Triclbenz	4.05	1.12	ug/mL	12372	112	
30)	Benzoic acid	3.97	4.63	ug/mL	22622	93	
31)	Naphthalene	4.12	1.13	ug/mL	34128	113	
32)	4-Cl-aniline	4.28	1.03	ug/mL	13102	103	
33)	26Diclphenol	4.26	5.72	ug/mL	46173	114	
34)	Hexaclprop	4.25	0.97	ug/mL	6445	97	
35)	Hexaclbutdien	4.34	1.17	ug/mL	6926	117	
36)	4Cl3methylphe	5.09	4.83	ug/mL	53126	97	
37)	2Methylnaphth	5.12	2.51	ug/mL	76583	251	#

38)	1Methylnaphth	5.27	1.14	ug/mL	30905	114
39)	Acenaphthened10	6.28	20.00	ug/mL	468977	ISTD
40)	Hxclcycpentdi	5.40	0.66	ug/mL	4512	66 #
41)	1245Tetrclbenz	5.40	1.25	ug/mL	18078	125
42)	246Triclpheno	5.60	4.95	ug/mL	45654	99
43)	245Triclpheno	5.65	5.19	ug/mL	52368	104
44)	SURR2Flbiphenyl	5.70	6.15	%REC	37945	123
45)	2Clnaphthalen	5.77	1.27	ug/mL	35456	127
46)	2Nitroaniline	5.94	0.89	ug/mL	4876	89
47)	Acnaphthylene	6.15	0.90	ug/mL	53114	90
48)	Dimethylphtha	6.15	0.98	ug/mL	38087	98
49)	26Dinitrotolu	6.18	1.03	ug/mL	7068	103
50)	Acenaphthene	6.30	0.96	ug/mL	28374	96
51)	3Nitroaniline	6.32	1.08	ug/mL	6877	108
52)	24Dinitphenol	6.42	4.23	ug/mL	7622	85
53)	Dibenzofuran	6.45	1.22	ug/mL	43884	122
54)	24Dinitrotolu	6.50	1.09	ug/mL	9391	109
55)	4-Nitrophenol	6.54	4.77	ug/mL	23276	95
56)	2,3,5,6-Tetrachlorop	6.53	0.99	ug/mL	6646	99
57)	2,3,4,6-Tetrachlorop	6.56	5.41	ug/mL	43361	108
58)	Fluorene	6.69	0.98	ug/mL	36118	98
59)	4Clphlphlethr	6.72	0.94	ug/mL	16348	94
60)	Diethylphthal	6.68	0.98	ug/mL	36278	98
61)	4Nitroaniline	6.75	1.04	ug/mL	6542	104
62)	SURR246Tribrphenl	6.86	2.95	%REC	4574	118
63)	Phenanthrd10	7.28	20.00	ug/mL	734130	ISTD
64)	46Dinit2mylph	6.77	3.88	ug/mL	19541	78
65)	Ntrsdiphlam&Diphlam	6.81	1.87	ug/mL	42976	94
66)	Azobenz&12Diphlhyd	6.82	1.89	ug/mL	15161	95
67)	4Brphlphlethr	7.03	1.24	ug/mL	10169	124
68)	Hexaclbenzene	7.04	1.36	ug/mL	11716	136 #
69)	Pentaclphenol	7.19	4.72	ug/mL	25670	94
70)	Phenanthrene	7.29	1.31	ug/mL	49102	131 #
71)	Anthracene	7.32	1.34	ug/mL	52406	134 #
72)	Carbazole	7.44	1.29	ug/mL	47634	129
73)	Dinbtylphthal	7.67	1.29	ug/mL	64575	129
74)	Fluoranthene	7.98	1.28	ug/mL	56445	128
75)	Chrysene-d12	8.72	20.00	ug/mL	361307	ISTD
76)	Benzidine	8.10	0.90	ug/mL	12017	90
77)	Pyrene	8.11	1.15	ug/mL	52281	115
78)	SURRTerphenyl-d14	8.21	5.89	%REC	21226	118
79)	Btylbzylphth	8.46	0.99	ug/mL	12549	99
80)	bis2Ethlhxlad	8.52	0.98	ug/mL	10205	98
81)	33Diclbnzidin	8.72	1.19	ug/mL	6518	119
82)	B[a]anthracen	8.71	1.07	ug/mL	21973	107
83)	Chrysene	8.73	1.20	ug/mL	22920	120
84)	bis2Ethlhxlph	8.78	1.04	ug/mL	17732	104
85)	Dinoctylphthl	9.12	0.94	ug/mL	29786	94
86)	Perylene-d12	9.48	20.00	ug/mL	345790	ISTD
87)	B[b]fluoranth	9.28	1.01	ug/mL	19871	101

88) B[k]fluoranth	9.29	1.28	ug/mL	23151	128
89) Benz[a]pyrene	9.44	1.19	ug/mL	22973	119
90) Indeno-pyrene	10.03	1.16	ug/mL	24433	116
91) Dib[ah]anthr	10.04	1.12	ug/mL	17649	112
92) B[ghi]perylen	10.15	1.16	ug/mL	21882	116

(#) = recovery out of range Average Percent Recovery = 104

50 ng/mL MRL CHECK STANDARD % RECOVERY

Data File Name 2MRL01.D
Data File Path C:\INSTARCH\DATA\2S082213\
Operator RPN
Date Acquired 8/22/2013 13:28
Acq. Method File 2P080713.M
Sample Name MRL 50ng/mL SVMS5715
Misc Info 500uL+5uL IS SVMS5788
Vial Number 3
Instrument Name SVMS2

#	Name	R.T.	Amount	Units	Response	% REC	% LIMIT (70-130)	Status
1)	14Diclbenzd4	2.61	1000.00	ng/mL	24449	ISTD	ISTD	
2)	Naphthalened8	3.41	1000.00	ng/mL	110217	ISTD	ISTD	
3)	SURRNitrbenzened5	2.98	3.57	%REC	1097	71.3	SURR	
4)	Naphthalene	3.42	50.38	ng/mL	4893	100.8	30.0	
5)	2Methylnaphth	3.89	55.94	ng/mL	3194	111.9	30.0	
6)	1Methylnaphth	3.95	47.73	ng/mL	3531	95.5	30.0	
7)	Acenaphthened10	4.60	1000.00	ng/mL	67600	ISTD	ISTD	
8)	SURR2Flbiphenyl	4.14	4.96	%REC	3843	99.3	SURR	
9)	Acnaphthylene	4.50	50.15	ng/mL	4382	100.3	30.0	
10)	Acenaphthene	4.62	49.79	ng/mL	3274	99.6	30.0	
11)	Fluorene	4.98	52.27	ng/mL	3775	104.5	30.0	
12)	Phenanthrd10	5.63	1000.00	ng/mL	126924	ISTD	ISTD	
13)	Phenanthrene	5.65	56.32	ng/mL	6088	112.6	30.0	
14)	Anthracene	5.69	45.64	ng/mL	5741	91.3	30.0	
15)	Fluoranthene	6.48	48.23	ng/mL	6902	96.5	30.0	
16)	Chrysene-d12	7.49	1000.00	ng/mL	115949	ISTD	ISTD	
17)	Pyrene	6.64	47.09	ng/mL	6974	94.2	30.0	
18)	SURRTerphenyl-d14	6.76	4.85	% REC	3758	97.1	SURR	
19)	B[a]anthracen	7.48	55.48	ng/mL	5068	111.0	30.0	
20)	Chrysene	7.51	45.35	ng/mL	6396	90.7	30.0	
21)	Perylene-d12	8.72	1000.00	ng/mL	90997	ISTD	ISTD	
22)	B[b]fluoranth	8.36	54.12	ng/mL	4684	108.2	30.0	
23)	B[k]fluoranth	8.38	44.15	ng/mL	5511	88.3	30.0	
24)	Benz[a]pyrene	8.67	50.11	ng/mL	4657	100.2	30.0	
25)	Indeno-pyrene	9.98	38.07	ng/mL	2559	76.1	30.0	
26)	Dib[ah]anthr	10.02	51.17	ng/mL	2466	102.3	30.0	
27)	B[ghi]perylen	10.29	51.99	ng/mL	3447	104.0	30.0	

* = % REC <70% OR >130%

50 ng/mL MRL CHECK STANDARD % RECOVERY

Data File Name 2MRL02.D
Data File Path C:\INSTARCH\DATA\2S082213\
Operator RPN
Date Acquired 8/22/2013 19:45
Acq. Method File 2P080713.M
Sample Name MRL 50ng/mL SVMS5715
Misc Info 500uL+5uL IS SVMS5788
Vial Number 3
Instrument Name SVMS2

#	Name	R.T.	Amount	Units	Response	% REC	% LIMIT (70-130)	Status
1)	14Diclbenzd4	2.61	1000.00	ng/mL	24127	ISTD	ISTD	
2)	Naphthalened8	3.40	1000.00	ng/mL	110404	ISTD	ISTD	
3)	SURRNitrbenzened5	2.98	3.76	%REC	1159	75.2	SURR	
4)	Naphthalene	3.42	50.58	ng/mL	4921	101.2	30.0	
5)	2Methylnaphth	3.89	53.90	ng/mL	3083	107.8	30.0	
6)	1Methylnaphth	3.95	48.44	ng/mL	3589	96.9	30.0	
7)	Acenaphthened10	4.60	1000.00	ng/mL	68161	ISTD	ISTD	
8)	SURR2Flbiphenyl	4.14	4.85	%REC	3785	97.0	SURR	
9)	Acnaphthylene	4.50	53.04	ng/mL	4673	106.1	30.0	
10)	Acenaphthene	4.62	49.70	ng/mL	3295	99.4	30.0	
11)	Fluorene	4.99	53.16	ng/mL	3871	106.3	30.0	
12)	Phenanthrd10	5.63	1000.00	ng/mL	127407	ISTD	ISTD	
13)	Phenanthrene	5.65	54.87	ng/mL	5954	109.7	30.0	
14)	Anthracene	5.69	46.29	ng/mL	5845	92.6	30.0	
15)	Fluoranthene	6.48	48.59	ng/mL	6979	97.2	30.0	
16)	Chrysene-d12	7.49	1000.00	ng/mL	119532	ISTD	ISTD	
17)	Pyrene	6.64	46.28	ng/mL	7065	92.6	30.0	
18)	SURRTerphenyl-d14	6.76	4.68	% REC	3736	93.6	SURR	
19)	B[a]anthracen	7.48	58.55	ng/mL	5514	117.1	30.0	
20)	Chrysene	7.51	46.67	ng/mL	6786	93.3	30.0	
21)	Perylene-d12	8.72	1000.00	ng/mL	96285	ISTD	ISTD	
22)	B[b]fluoranth	8.36	49.33	ng/mL	4518	98.7	30.0	
23)	B[k]fluoranth	8.38	40.87	ng/mL	5397	81.7	30.0	
24)	Benz[a]pyrene	8.67	47.72	ng/mL	4693	95.4	30.0	
25)	Indeno-pyrene	9.98	55.64	ng/mL	3957	111.3	30.0	
26)	Dib[ah]anthr	10.02	50.50	ng/mL	2575	101.0	30.0	
27)	B[ghi]perylen	10.29	52.05	ng/mL	3652	104.1	30.0	

* = % REC <70% OR >130%

50 ng/mL MRL CHECK STANDARD % RECOVERY

Data File Name 2MRL01.D
Data File Path C:\INSTARCH\DATA\2S082313\
Operator RPN
Date Acquired 8/23/2013 9:31
Acq. Method File 2P080713.M
Sample Name MRL 50ng/mL SVMS5715
Misc Info 500uL+5uL IS SVMS5788
Vial Number 3
Instrument Name SVMS2

#	Name	R.T.	Amount	Units	Response	% REC	% LIMIT (70-130)	Status
1)	14Diclbenzd4	2.61	1000.00	ng/mL	24482	ISTD	ISTD	
2)	Naphthalened8	3.41	1000.00	ng/mL	110864	ISTD	ISTD	
3)	SURRNitrbenzened5	2.99	3.86	%REC	1193	77.1	SURR	
4)	Naphthalene	3.42	49.33	ng/mL	4819	98.7	30.0	
5)	2Methylnaphth	3.89	53.77	ng/mL	3088	107.5	30.0	
6)	1Methylnaphth	3.95	48.61	ng/mL	3617	97.2	30.0	
7)	Acenaphthened10	4.60	1000.00	ng/mL	69055	ISTD	ISTD	
8)	SURR2Flbiphenyl	4.14	4.78	%REC	3784	95.7	SURR	
9)	Acnaphthylene	4.50	48.97	ng/mL	4371	97.9	30.0	
10)	Acenaphthene	4.62	48.46	ng/mL	3255	96.9	30.0	
11)	Fluorene	4.99	51.46	ng/mL	3796	102.9	30.0	
12)	Phenanthrd10	5.63	1000.00	ng/mL	128957	ISTD	ISTD	
13)	Phenanthrene	5.65	54.30	ng/mL	5964	108.6	30.0	
14)	Anthracene	5.69	44.44	ng/mL	5680	88.9	30.0	
15)	Fluoranthene	6.49	47.20	ng/mL	6862	94.4	30.0	
16)	Chrysene-d12	7.49	1000.00	ng/mL	119423	ISTD	ISTD	
17)	Pyrene	6.64	45.29	ng/mL	6908	90.6	30.0	
18)	SURRTerphenyl-d14	6.76	4.72	% REC	3761	94.3	SURR	
19)	B[a]anthracen	7.48	55.03	ng/mL	5177	110.1	30.0	
20)	Chrysene	7.51	47.65	ng/mL	6922	95.3	30.0	
21)	Perylene-d12	8.72	1000.00	ng/mL	90457	ISTD	ISTD	
22)	B[b]fluoranth	8.36	48.98	ng/mL	4214	98.0	30.0	
23)	B[k]fluoranth	8.38	45.07	ng/mL	5592	90.1	30.0	
24)	Benz[a]pyrene	8.67	47.97	ng/mL	4432	95.9	30.0	
25)	Indeno-pyrene	9.98	43.35	ng/mL	2896	86.7	30.0	
26)	Dib[ah]anthr	10.02	39.73	ng/mL	1903	79.5	30.0	
27)	B[ghi]perylen	10.29	46.67	ng/mL	3076	93.3	30.0	

* = % REC <70% OR >130%

50 ng/mL MRL CHECK STANDARD % RECOVERY

Data File Name 2MRL02.D
Data File Path C:\INSTARCH\DATA\2S082313\
Operator RPN
Date Acquired 8/23/2013 19:44
Acq. Method File 2P080713.M
Sample Name MRL 50ng/mL SVMS5715
Misc Info 500uL+5uL IS SVMS5788
Vial Number 3
Instrument Name SVMS2

#	Name	R.T.	Amount	Units	Response	% REC	% LIMIT (70-130)	Status
1)	14Diclbenzd4	2.61	1000.00	ng/mL	26021	ISTD	ISTD	
2)	Naphthalened8	3.40	1000.00	ng/mL	117263	ISTD	ISTD	
3)	SURRNitrbenzened5	2.98	3.93	%REC	1287	78.6	SURR	
4)	Naphthalene	3.42	48.96	ng/mL	5059	97.9	30.0	
5)	2Methylnaphth	3.89	53.93	ng/mL	3276	107.9	30.0	
6)	1Methylnaphth	3.95	47.70	ng/mL	3754	95.4	30.0	
7)	Acenaphthened10	4.60	1000.00	ng/mL	72640	ISTD	ISTD	
8)	SURR2Flbiphenyl	4.14	4.86	%REC	4040	97.1	SURR	
9)	Acnaphthylene	4.50	50.95	ng/mL	4784	101.9	30.0	
10)	Acenaphthene	4.62	49.11	ng/mL	3470	98.2	30.0	
11)	Fluorene	4.98	52.46	ng/mL	4071	104.9	30.0	
12)	Phenanthrd10	5.63	1000.00	ng/mL	137374	ISTD	ISTD	
13)	Phenanthrene	5.65	54.31	ng/mL	6354	108.6	30.0	
14)	Anthracene	5.69	45.39	ng/mL	6180	90.8	30.0	
15)	Fluoranthene	6.48	47.49	ng/mL	7356	95.0	30.0	
16)	Chrysene-d12	7.49	1000.00	ng/mL	129566	ISTD	ISTD	
17)	Pyrene	6.64	45.23	ng/mL	7485	90.5	30.0	
18)	SURRTerphenyl-d14	6.76	4.74	% REC	4097	94.7	SURR	
19)	B[a]anthracen	7.48	58.92	ng/mL	6014	117.8	30.0	
20)	Chrysene	7.50	44.93	ng/mL	7081	89.9	30.0	
21)	Perylene-d12	8.72	1000.00	ng/mL	97909	ISTD	ISTD	
22)	B[b]fluoranth	8.35	53.02	ng/mL	4938	106.0	30.0	
23)	B[k]fluoranth	8.38	42.68	ng/mL	5732	85.4	30.0	
24)	Benz[a]pyrene	8.67	48.78	ng/mL	4878	97.6	30.0	
25)	Indeno-pyrene	9.98	45.37	ng/mL	3281	90.7	30.0	
26)	Dib[ah]anthr	10.01	44.59	ng/mL	2312	89.2	30.0	
27)	B[ghi]perylen	10.28	46.47	ng/mL	3315	92.9	30.0	

* = % REC <70% OR >130%

SEMI - VOLATILE ORGANIC ANALYSIS
SAMPLE DATA
DOCUMENTS

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337811.D Vial: 14
Acq On : 22 Aug 2013 17:15 Operator: RPN
Sample : 97038,337811, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:58:28 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

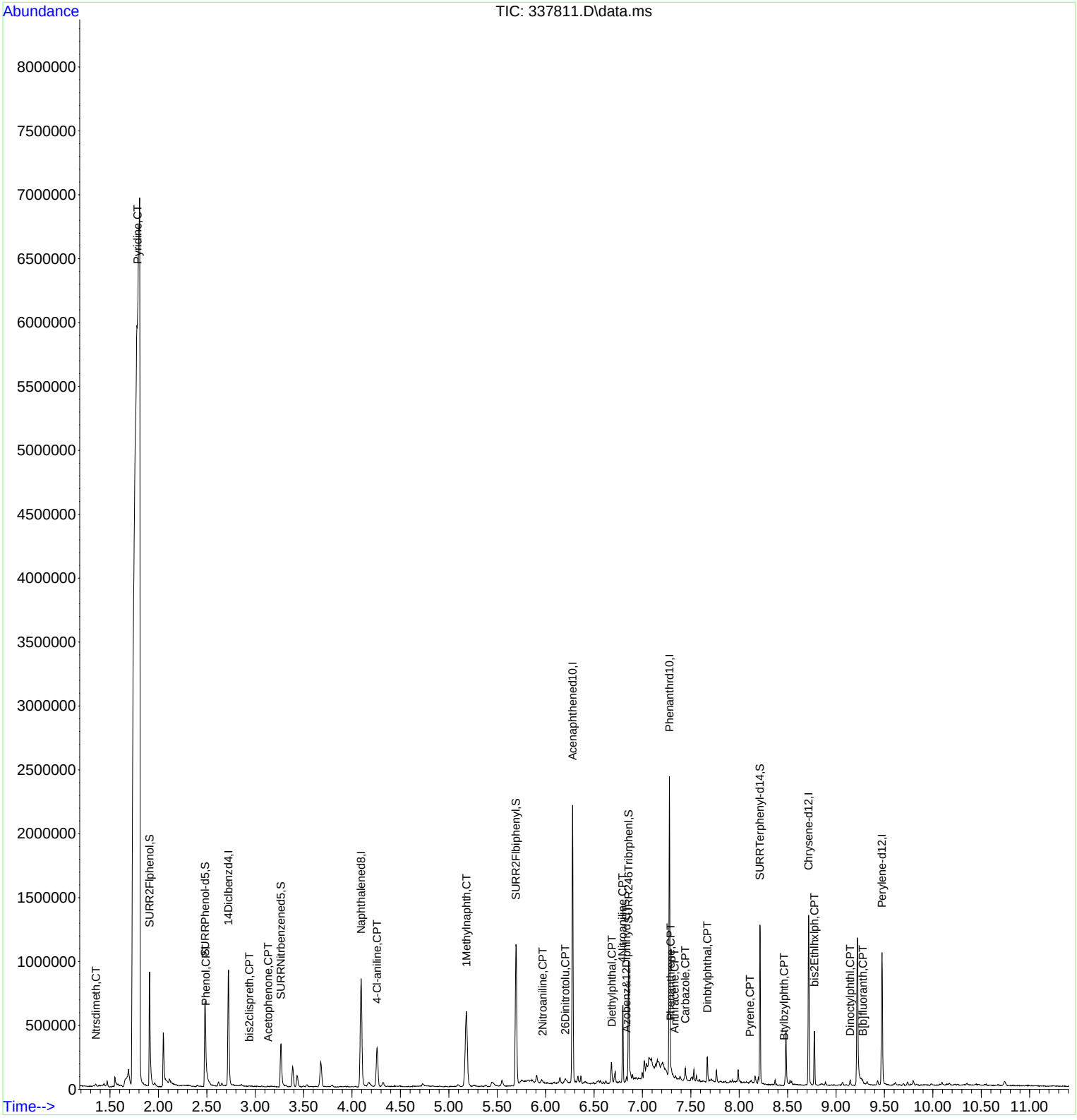
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.724	152	155814	20.00	ug/mL	0.00
21) Naphthalened8	4.094	136	571521	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	450086	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	659161	20.00	ug/mL	0.00
75) Chrysene-d12	8.717	240	315031	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	309881	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.909	112	253145	59.60	%REC	0.03
Spiked Amount 100.000	Range 20 - 110		Recovery = 59.60%			
7) SURRPhenol-d5	2.483	99	307379	67.85	%REC	0.01
Spiked Amount 100.000	Range 10 - 115		Recovery = 67.85%			
22) SURRNitrbenzened5	3.267	82	120649	72.84	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 72.84%			
44) SURR2Flbiphenyl	5.693	172	457053	77.24	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 77.24%			
62) SURR246Tribrphenl	6.858	330	98527	66.15	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 66.15%			
78) SURRTerphenyl-d14	8.214	244	264040	84.05	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 84.05%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.355	74	4876	0.8596	ug/mL#	1
3) Pyridine	1.786	79	2155	0.2024	ug/mL#	1
8) Phenol	2.491	94	1777	0.1336	ug/mL#	1
14) bis2clispreth	2.941	45	2402	0.1514	ug/mL	83
17) Acetophenone	3.133	105	2044	0.1687	ug/mL	81
32) 4-Cl-aniline	4.258	127	904	0.0779	ug/mL#	62
38) 1Methylnaphth	5.182	141	1984	0.0803	ug/mL#	20
46) 2Nitroaniline	5.969	65	508	0.0964	ug/mL#	47
48) Dimethylphtha	6.148	163	4497	Below Cal		94
49) 26Dinitrotolu	6.202	165	1667	0.2537	ug/mL#	41
60) Diethylphthal	6.685	149	14045	0.2644	ug/mL	95
61) 4Nitroaniline	6.796	138	1203	0.1985	ug/mL#	48
65) Ntrsdiphlam&Diphlam	6.807	169	631	Below Cal #		27
66) Azobenz&12Diphlhyd	6.836	182	5915	0.4641	ug/mL#	1
70) Phenanthrene	7.293	178	4124	0.1221	ug/mL	86
71) Anthracene	7.333	178	1025	0.0292	ug/mL	72
72) Carbazole	7.444	167	1642	0.0496	ug/mL	84
73) Dinbtylphthal	7.671	149	62755	1.3934	ug/mL	99
77) Pyrene	8.111	202	2468	0.0622	ug/mL	91
79) Btylbzylphth	8.464	149	1117	0.1006	ug/mL	73
84) bis2Ethlhxlph	8.776	149	104650	7.0715	ug/mL	93
85) Dinoctylphthl	9.146	149	4595	0.1671	ug/mL#	72
87) B[b]fluoranth	9.276	252	729	0.0413	ug/mL	72

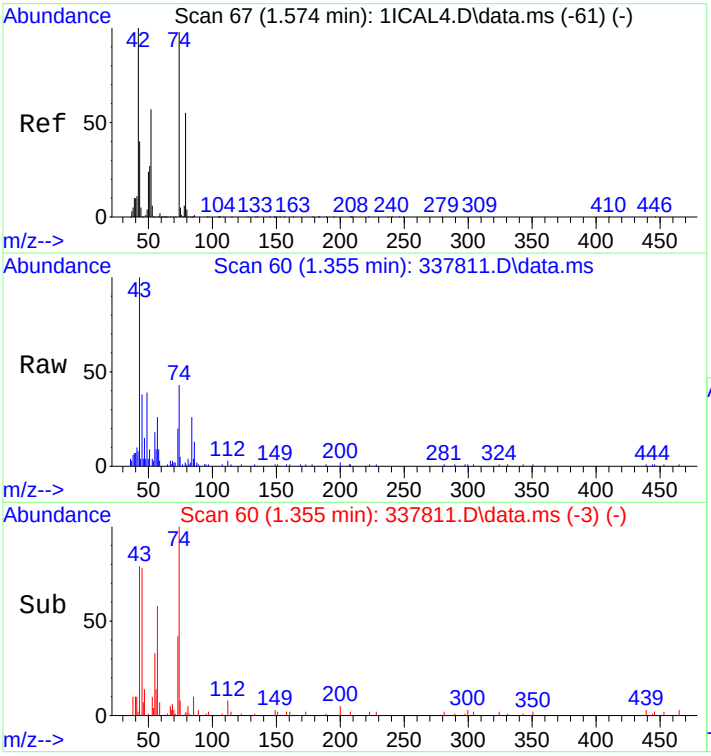
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337811.D Vial: 14
Acq On : 22 Aug 2013 17:15 Operator: RPN
Sample : 97038,337811, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:58:28 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

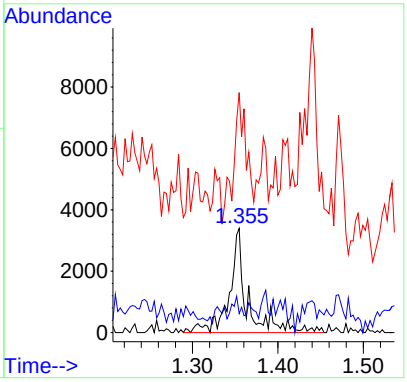


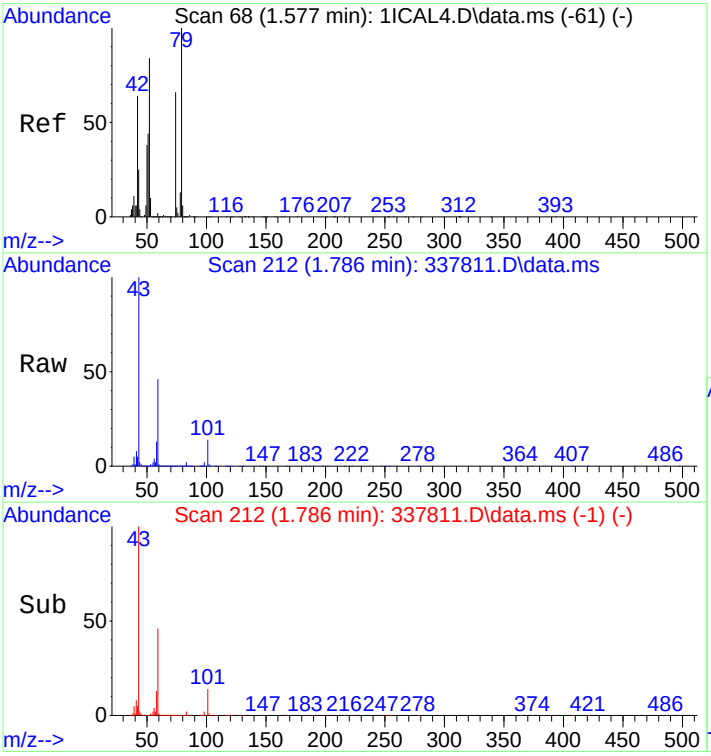


#2
Ntrsdimeth
Concen: 0.86 ug/mL
RT: 1.355 min Scan# 60
Delta R.T. 0.063 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion: 74 Resp: 4876

Ion	Ratio	Lower	Upper
74	100		
42	2.6	61.9	121.9#
43	116.6	11.4	71.4#

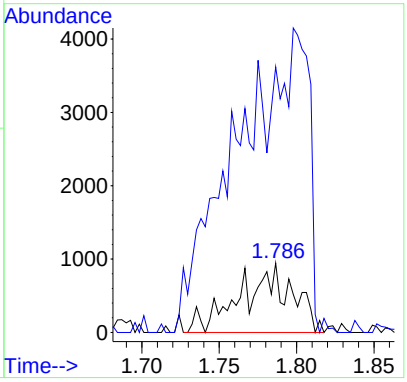


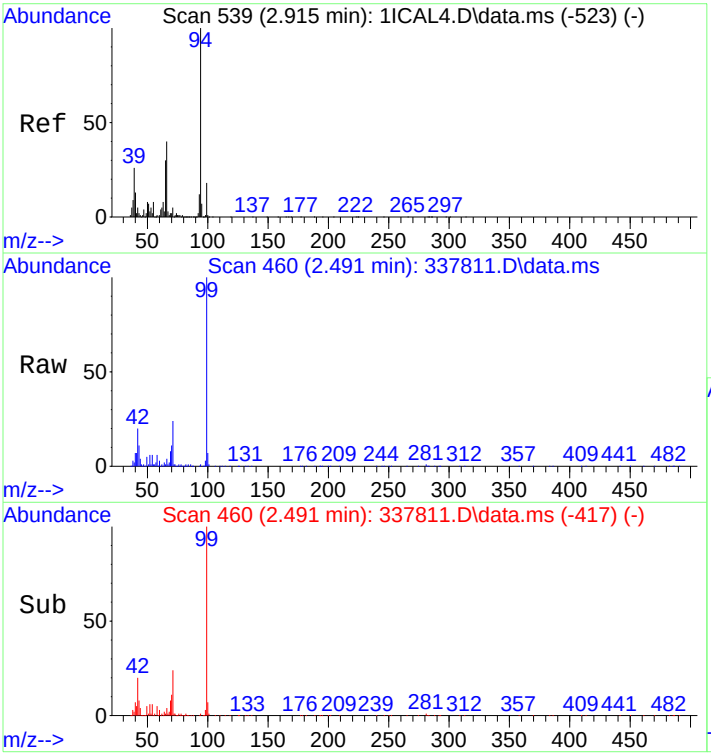


#3
Pyridine
Concen: 0.20 ug/mL
RT: 1.786 min Scan# 212
Delta R.T. 0.494 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion: 79 Resp: 2155

Ion	Ratio	Lower	Upper
79	100		
52	362.7	51.7	111.7#

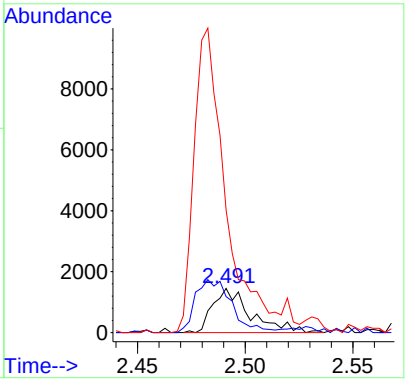


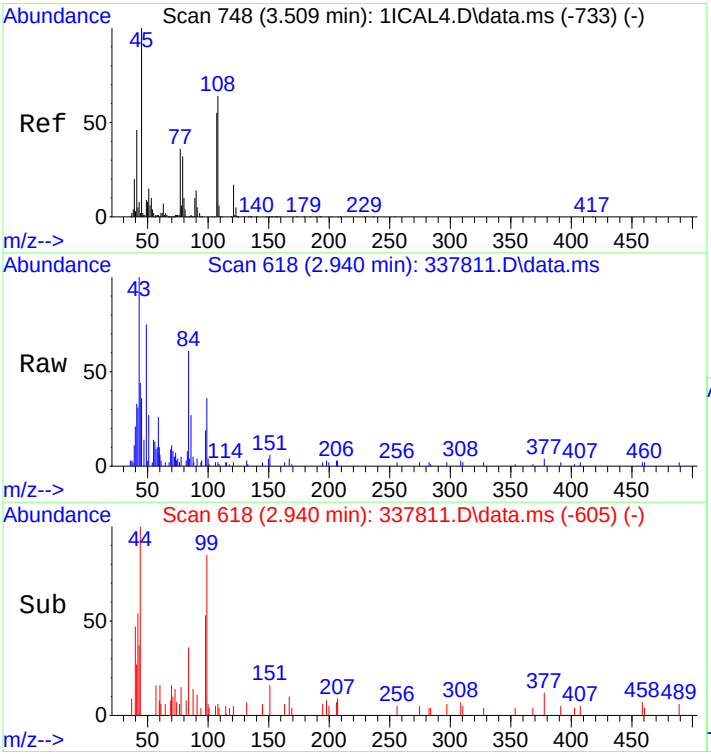


#8
Phenol
Concen: 0.13 ug/mL
RT: 2.491 min Scan# 460
Delta R.T. 0.009 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion: 94 Resp: 1777

Ion	Ratio	Lower	Upper
94	100		
65	72.5	0.0	54.1#
66	265.4	0.8	60.8#

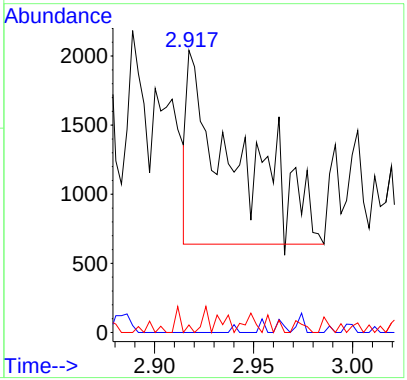


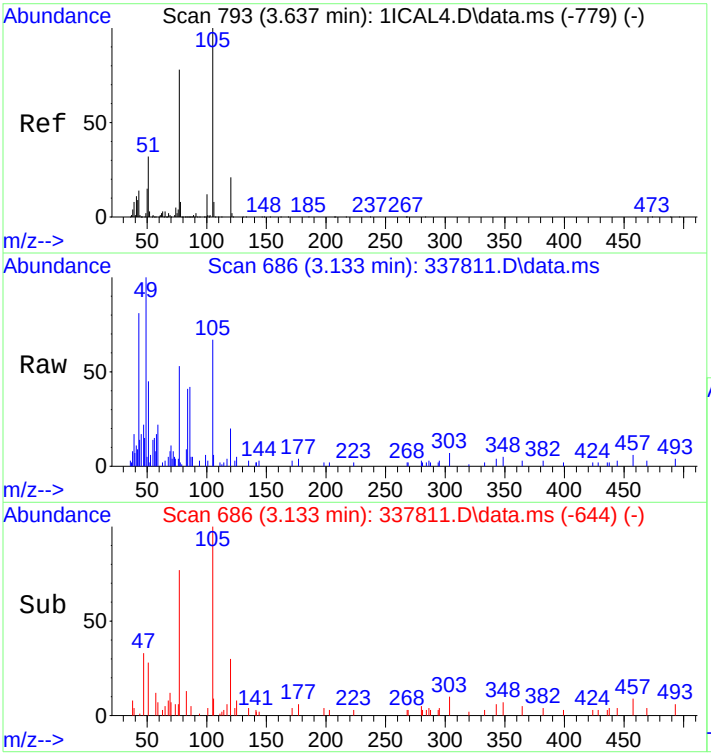


#14
bis2clispreth
Concen: 0.15 ug/mL
RT: 2.941 min Scan# 618
Delta R.T. -0.078 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion: 45 Resp: 2402

Ion	Ratio	Lower	Upper
45	100		
121	10.9	0.0	45.7
77	32.8	3.0	43.0

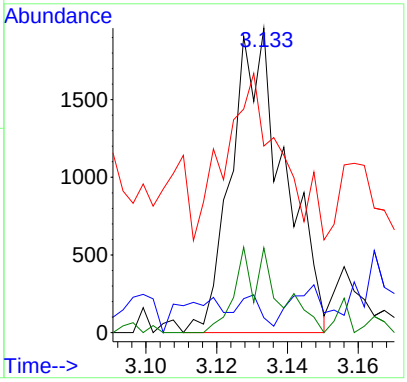


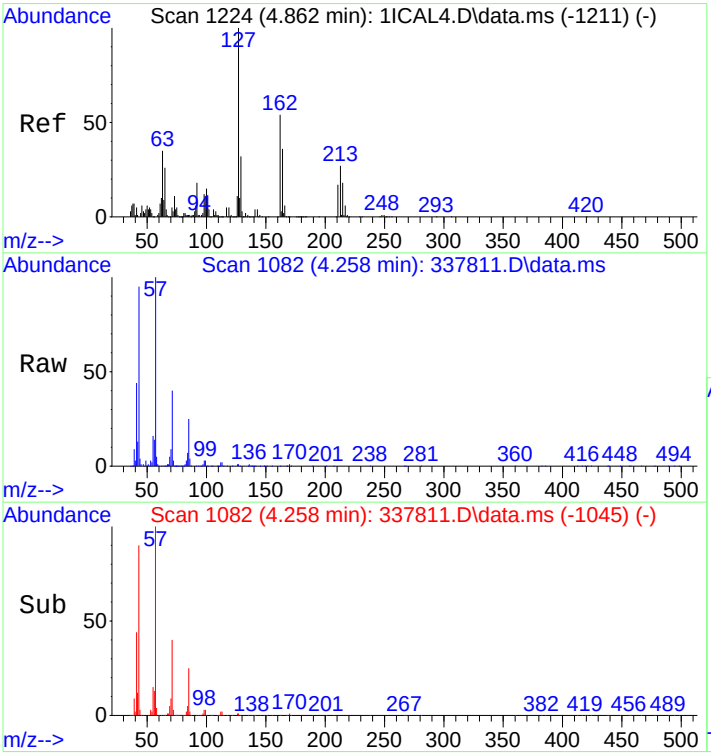


#17
Acetophenone
Concen: 0.17 ug/mL
RT: 3.133 min Scan# 686
Delta R.T. 0.006 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:105 Resp: 2044

Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.0	30.0
51	17.4	0.0	57.8
120	28.6	0.2	40.2

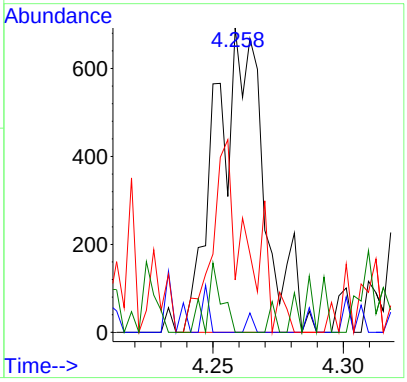


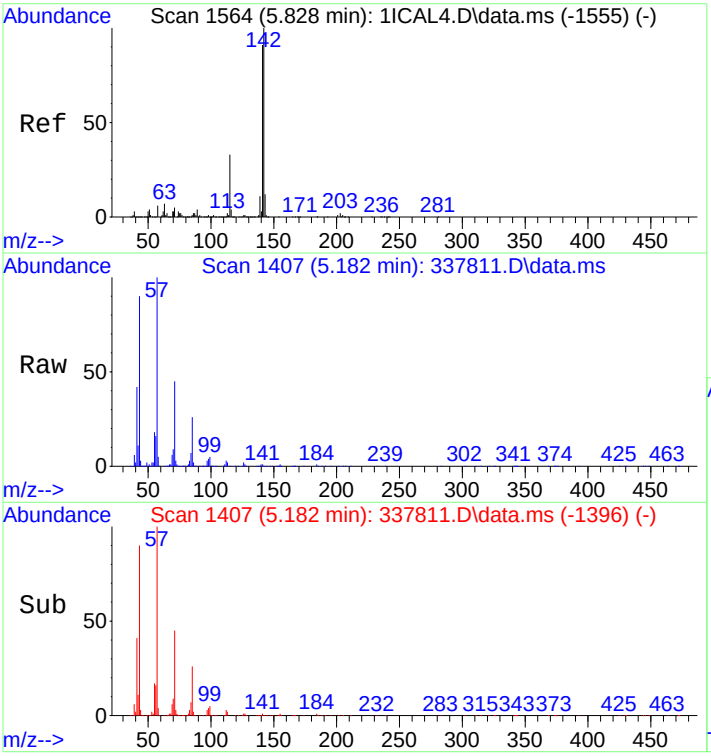


#32
4-Cl-aniline
Concen: 0.08 ug/mL
RT: 4.258 min Scan# 1082
Delta R.T. -0.009 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:127 Resp: 904

Ion	Ratio	Lower	Upper
127	100		
129	0.0	3.3	63.3#
65	17.2	0.0	52.4
92	0.0	0.0	42.3

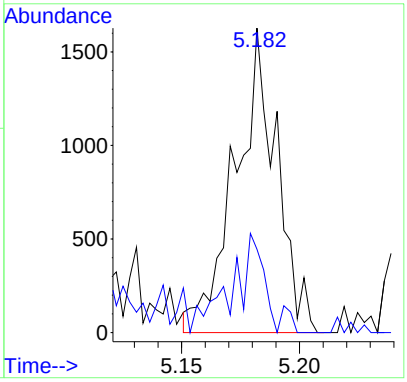


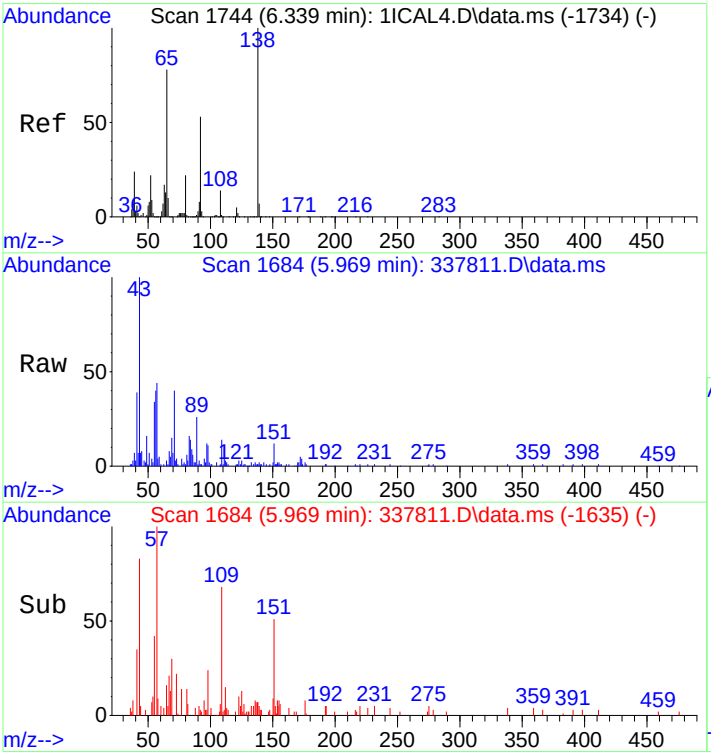


#38
1Methylnaphth
Concen: 0.08 ug/mL
RT: 5.182 min Scan# 1407
Delta R.T. -0.088 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:141 Resp: 1984

Ion	Ratio	Lower	Upper
141	100		
142	27.4	83.3	143.3#

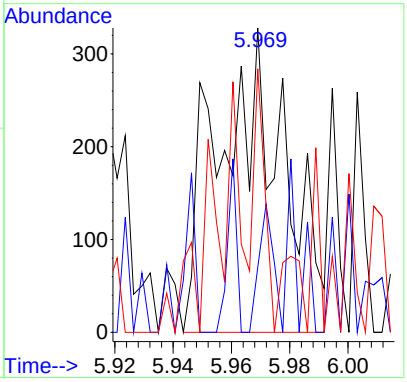


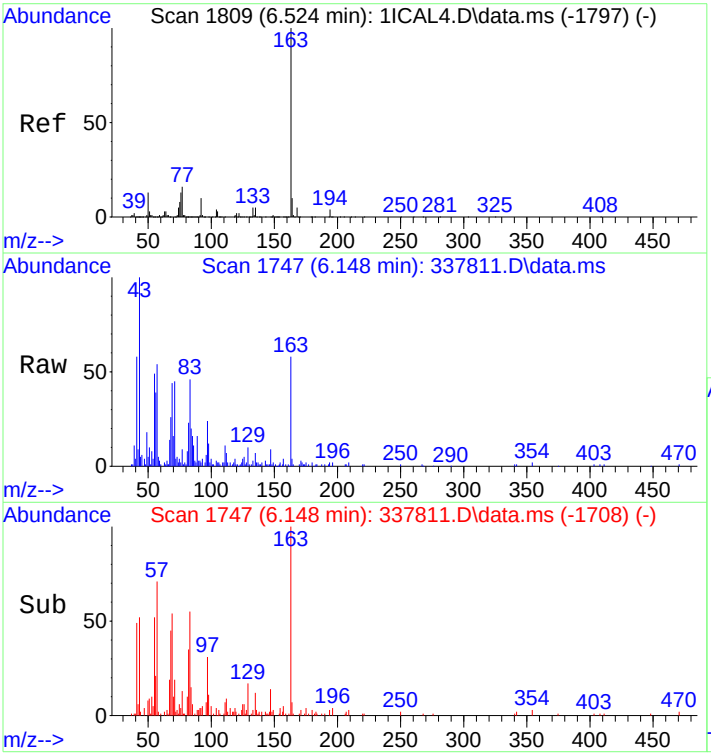


#46
2Nitroaniline
Concen: 0.10 ug/mL
RT: 5.969 min Scan# 1684
Delta R.T. 0.040 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion: 65 Resp: 508

Ion	Ratio	Lower	Upper
65	100		
92	24.9	46.7	106.7#
138	101.1	138.7	198.7#

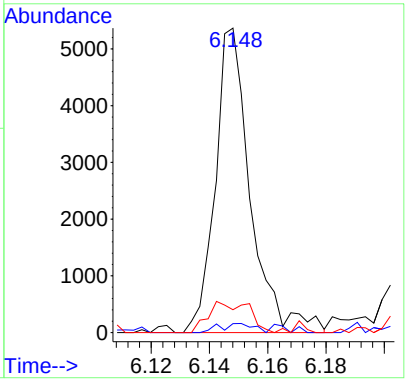


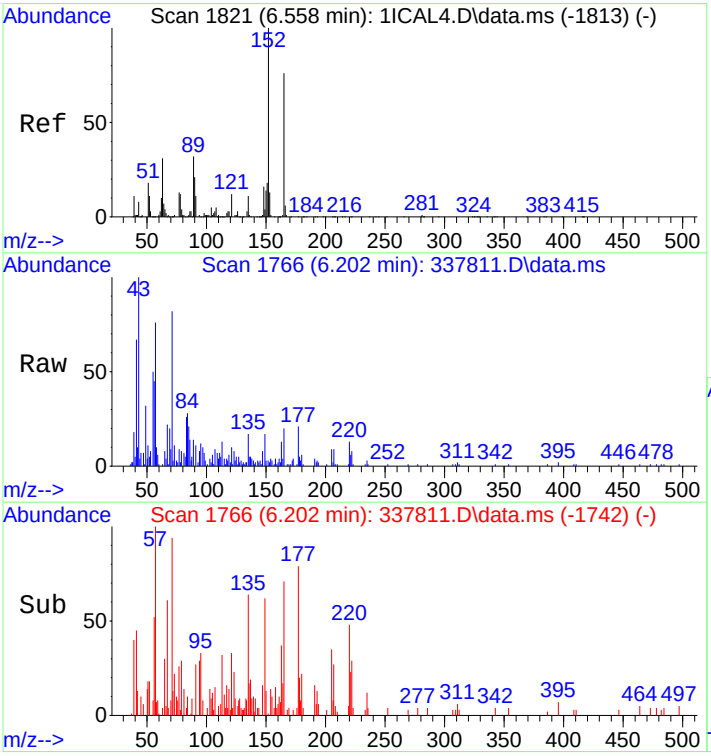


#48
Dimethylphtha
Concen: Below ug/mL
RT: 6.148 min Scan# 1747
Delta R.T. -0.008 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:163 Resp: 4497

Ion	Ratio	Lower	Upper
163	100		
194	2.9	0.0	33.1
164	7.5	0.0	40.2

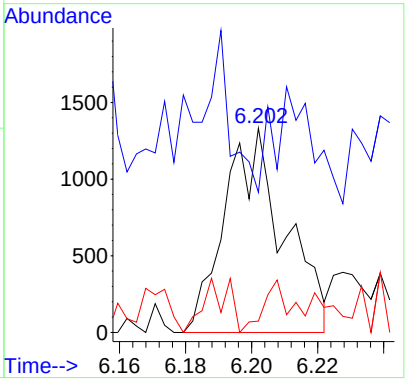


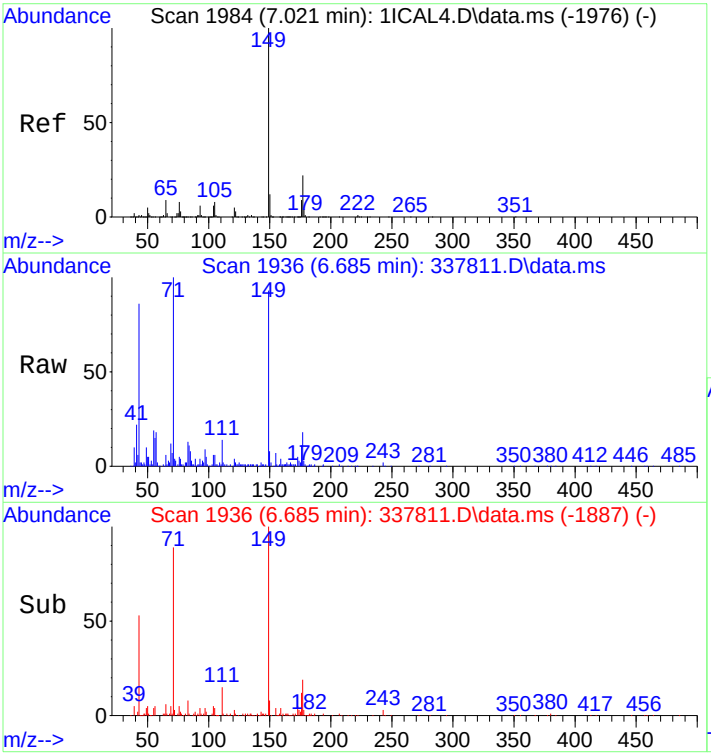


#49
26Dinitrotolu
Concen: 0.25 ug/mL
RT: 6.202 min Scan# 1766
Delta R.T. 0.017 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:165 Resp: 1667

Ion	Ratio	Lower	Upper
165	100		
89	0.0	9.5	69.5#
63	5.6	16.7	56.7#

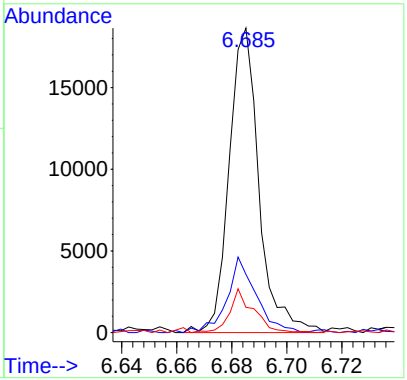


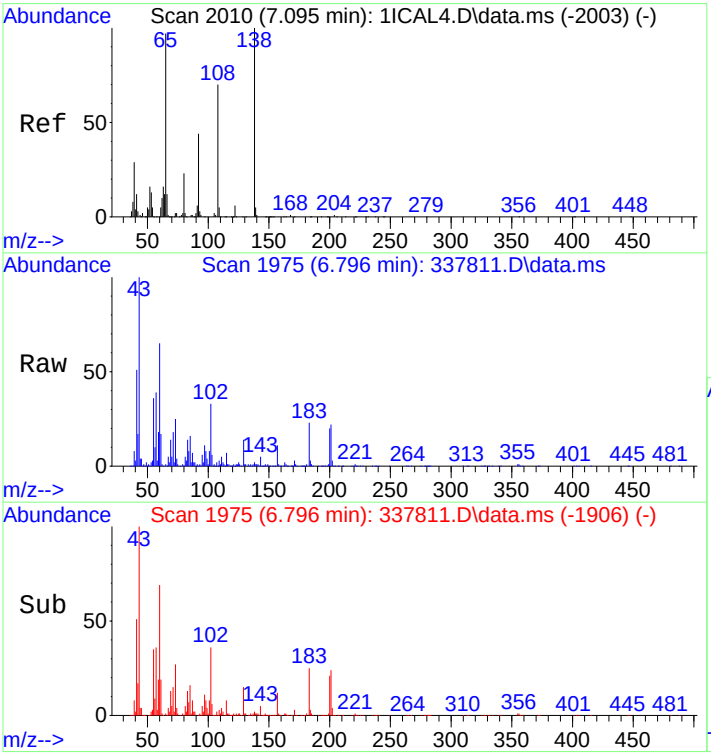


#60
Diethylphthal
Concen: 0.26 ug/mL
RT: 6.685 min Scan# 1936
Delta R.T. -0.006 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:149 Resp: 14045

Ion	Ratio	Lower	Upper
149	100		
177	19.1	0.0	49.9
150	8.1	0.0	42.4

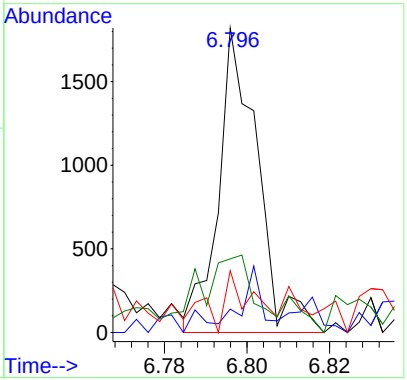


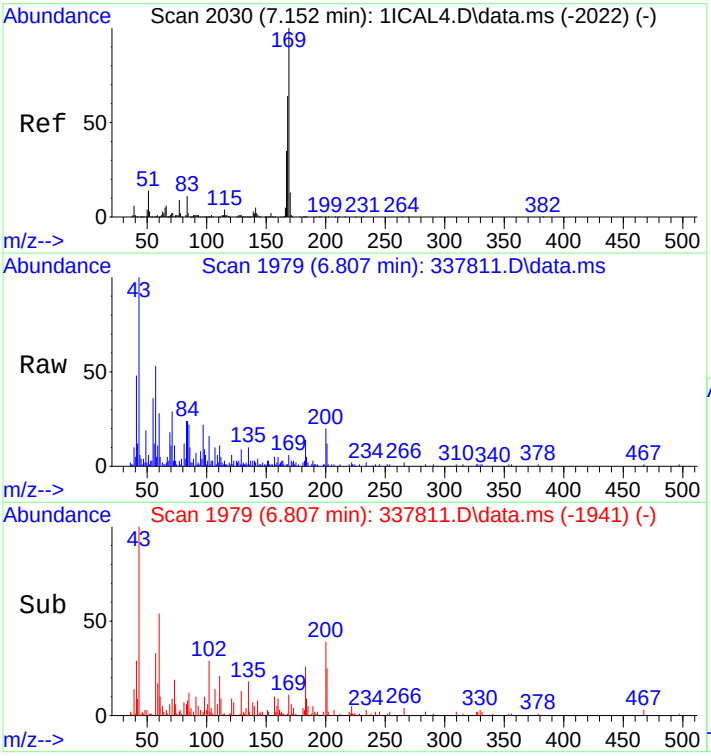


#61
4Nitroaniline
Concen: 0.20 ug/mL
RT: 6.796 min Scan# 1975
Delta R.T. 0.046 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:138 Resp: 1203

Ion	Ratio	Lower	Upper
138	100		
92	7.6	6.3	66.3
108	16.0	17.2	77.2#
65	24.2	42.4	102.4#

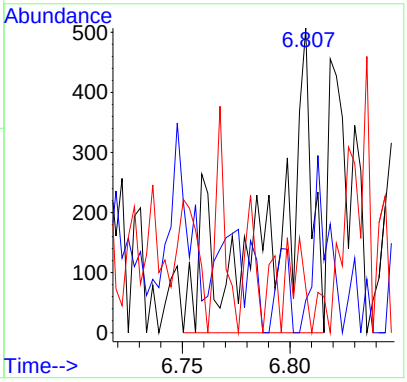


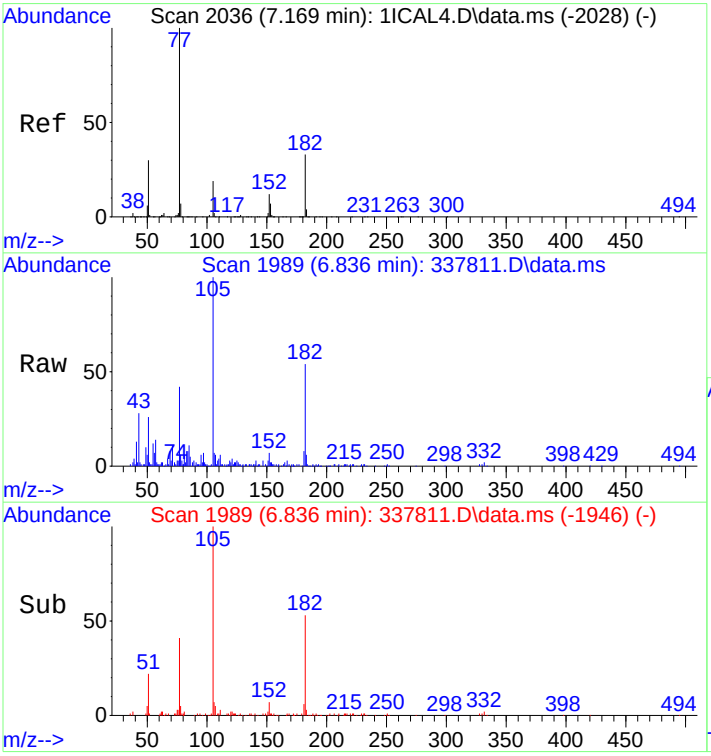


#65
Ntrsdiphlam&Diphlam
Concen: Below ug/mL
RT: 6.807 min Scan# 1979
Delta R.T. -0.006 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:169 Resp: 631

Ion	Ratio	Lower	Upper
169	100		
168	0.0	34.5	94.5#
167	3.0	4.6	64.6#

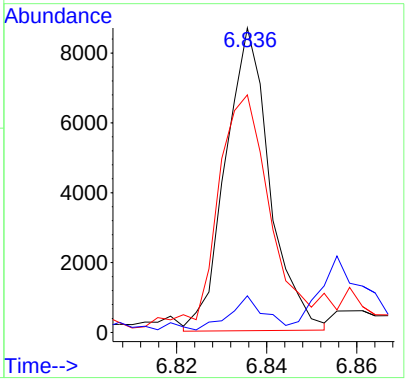


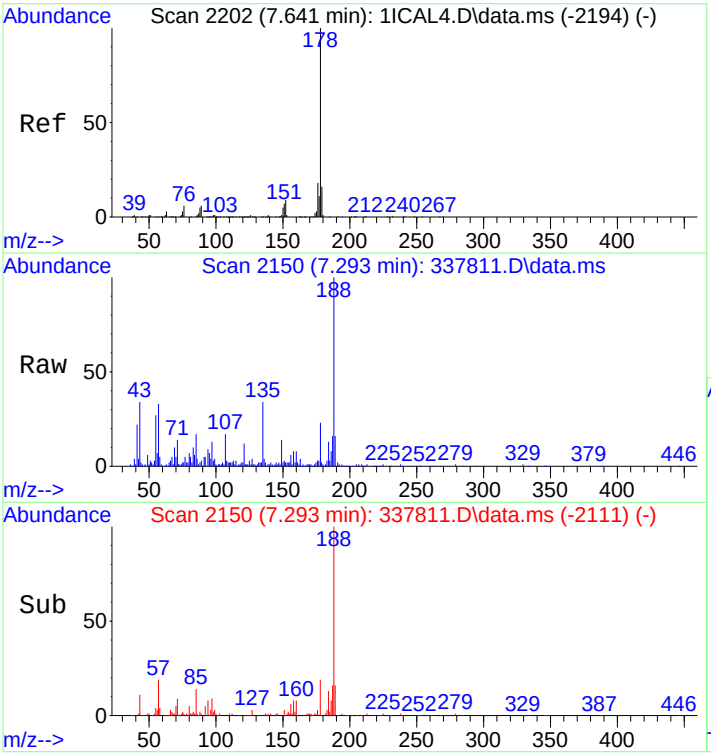


#66
Azobenz&12Diphlhyd
Concen: 0.46 ug/mL
RT: 6.836 min Scan# 1989
Delta R.T. 0.009 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:182 Resp: 5915

Ion	Ratio	Lower	Upper
182	100		
152	10.4	9.8	69.8
77	72.3	337.4	397.4#

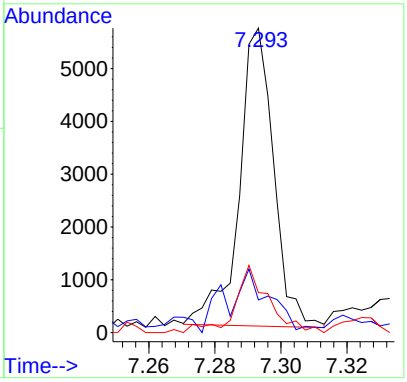


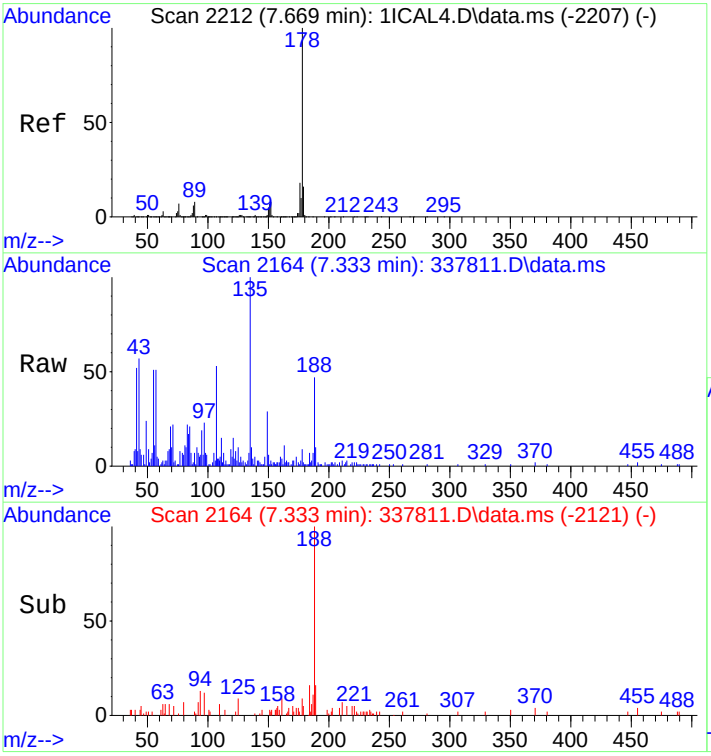


#70
Phenanthrene
Concen: 0.12 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.003 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:178 Resp: 4124

Ion	Ratio	Lower	Upper
178	100		
179	9.3	0.0	45.5
176	13.5	0.0	49.4

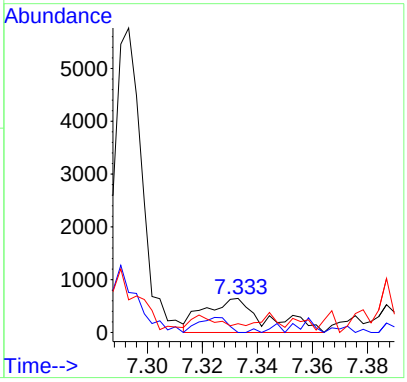


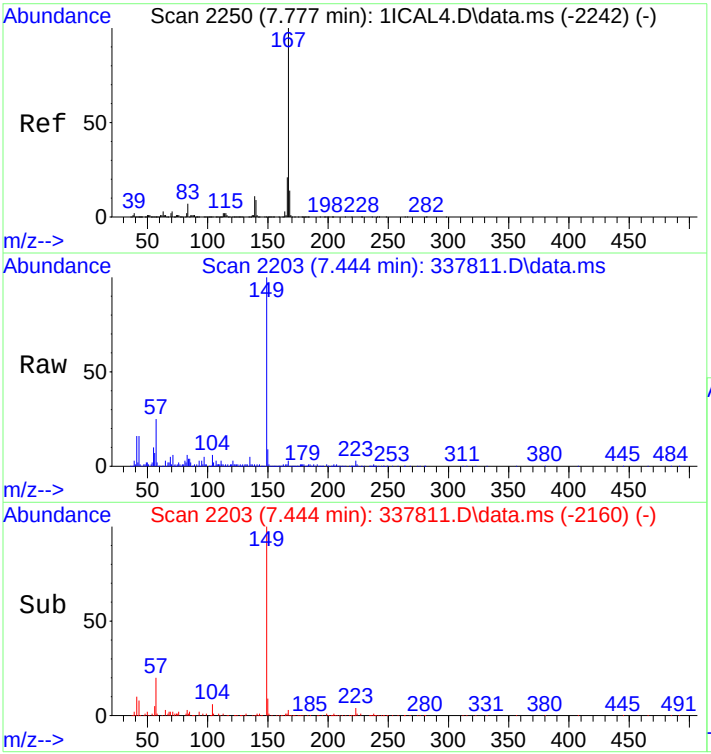


#71
Anthracene
Concen: 0.03 ug/mL
RT: 7.333 min Scan# 2164
Delta R.T. 0.009 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:178 Resp: 1025

Ion	Ratio	Lower	Upper
178	100		
176	0.0	0.0	49.2
179	11.0	0.0	45.7

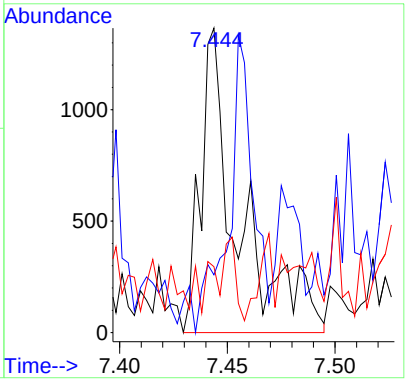


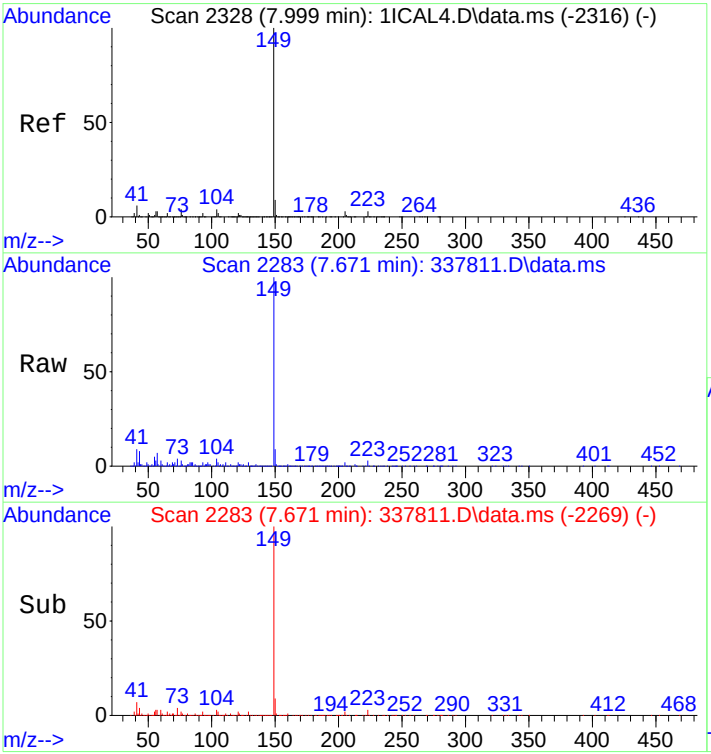


#72
Carbazole
Concen: 0.05 ug/mL
RT: 7.444 min Scan# 2203
Delta R.T. 0.009 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:167 Resp: 1642

Ion	Ratio	Lower	Upper
167	100		
166	8.9	0.0	50.2
139	11.4	0.0	41.6

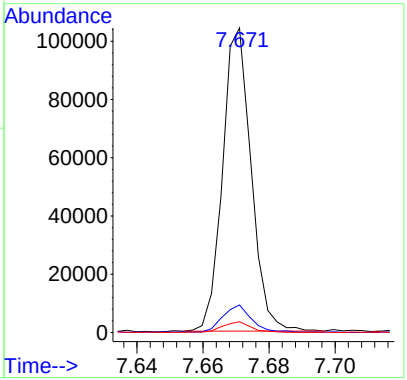


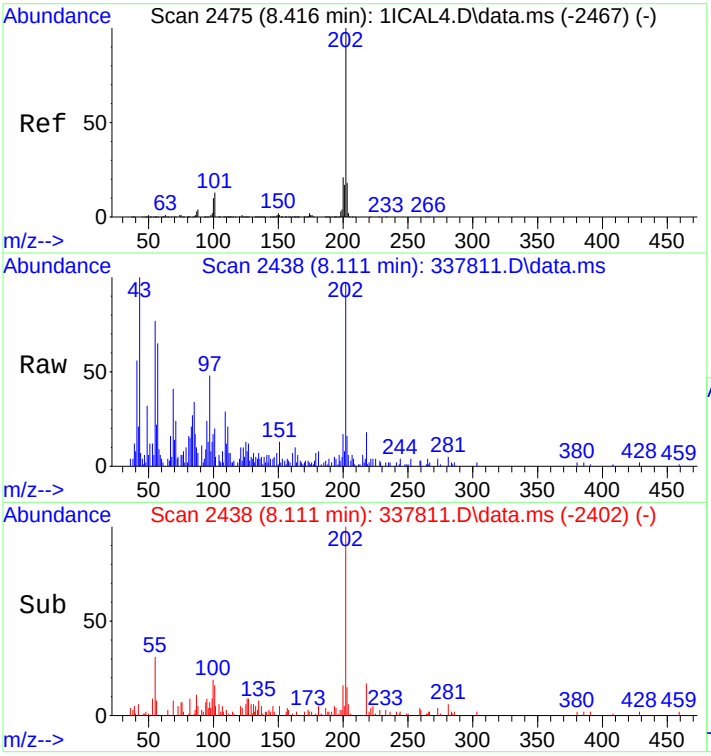


#73
Dinbtylphthal
Concen: 1.39 ug/mL
RT: 7.671 min Scan# 2283
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:149 Resp: 62755

Ion	Ratio	Lower	Upper
149	100		
150	9.0	0.0	39.4
104	3.5	0.0	33.5

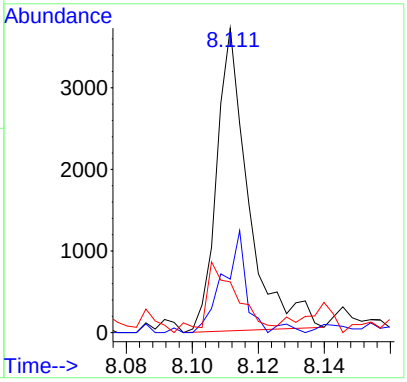


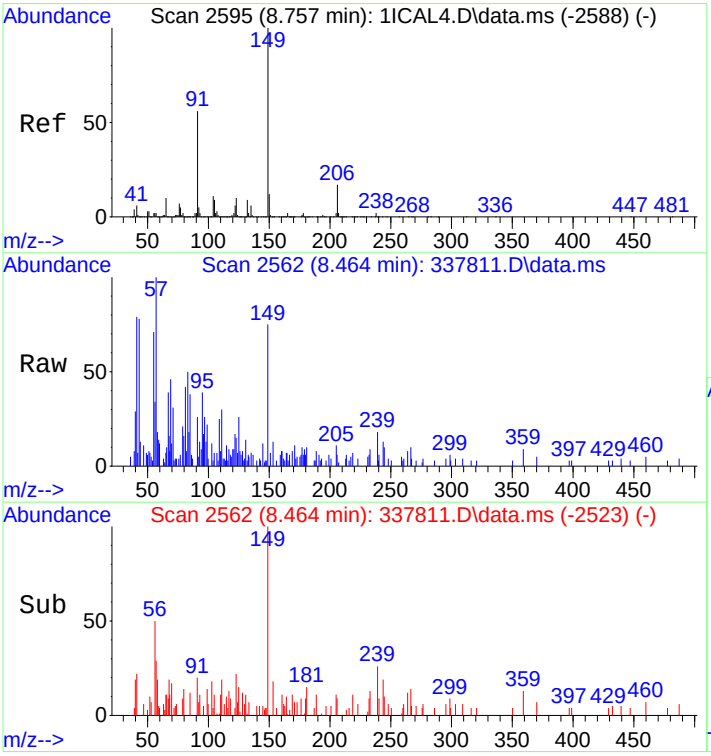


#77
Pyrene
Concen: 0.06 ug/mL
RT: 8.111 min Scan# 2438
Delta R.T. 0.003 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:202 Resp: 2468

Ion	Ratio	Lower	Upper
202	100		
200	17.6	0.0	50.3
203	13.5	0.0	48.5

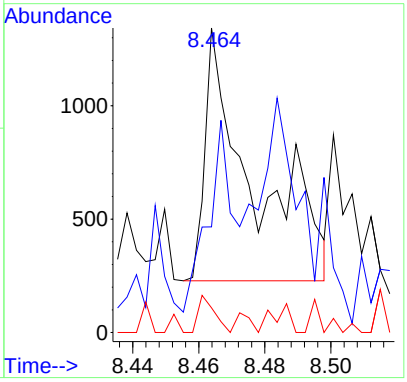


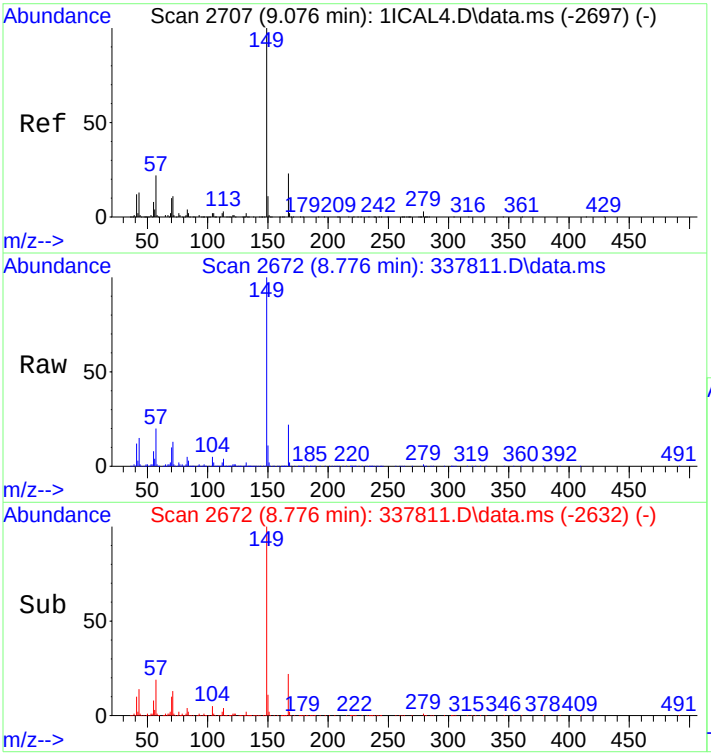


#79
Btylbzylphth
Concen: 0.10 ug/mL
RT: 8.464 min Scan# 2562
Delta R.T. -0.003 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:149 Resp: 1117

Ion	Ratio	Lower	Upper
149	100		
91	33.7	26.8	86.8
206	9.8	0.0	42.4

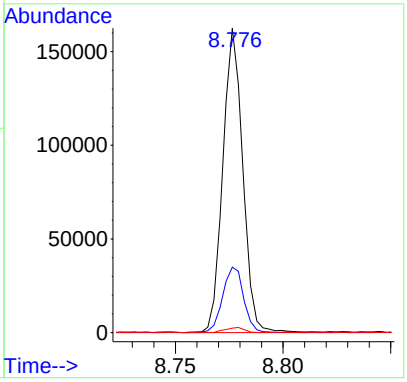


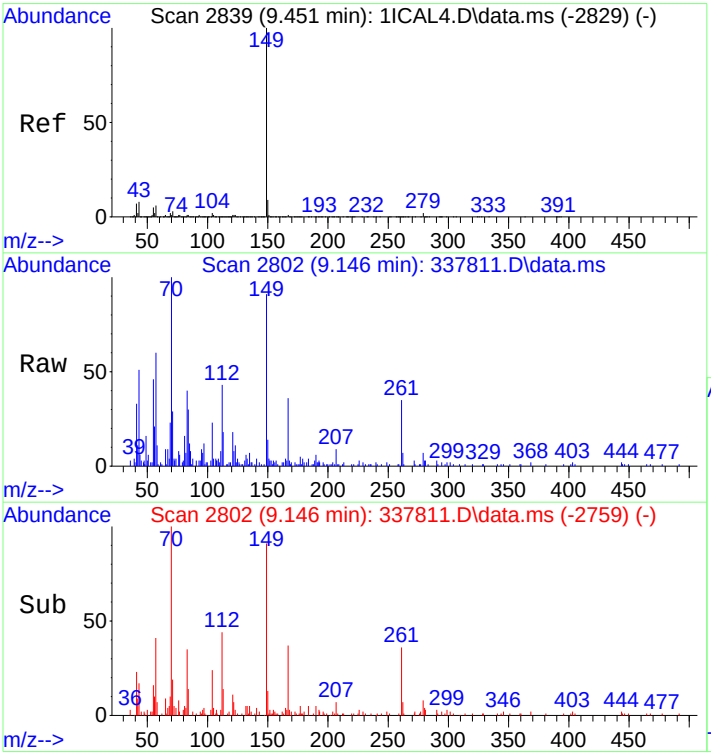


#84
bis2Ethlhxlph
Concen: 7.07 ug/mL
RT: 8.776 min Scan# 2672
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:149 Resp: 104650

Ion	Ratio	Lower	Upper
149	100		
167	21.5	0.0	55.0
279	1.5	0.0	31.6

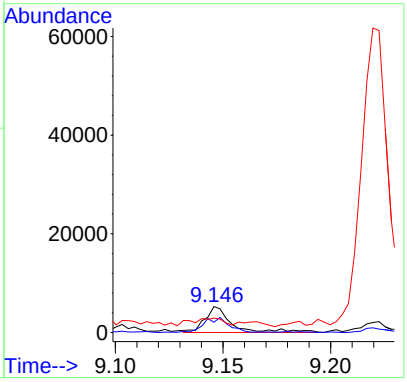


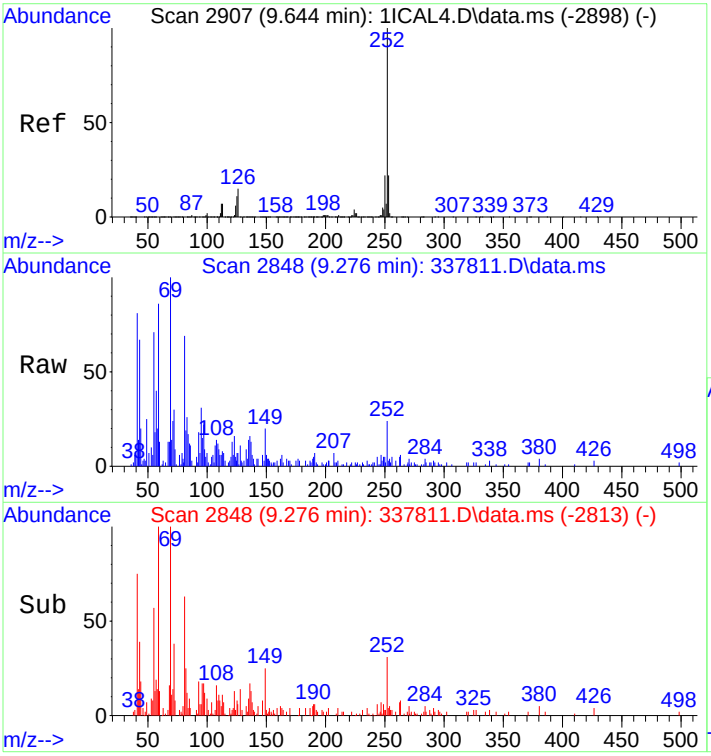


#85
Dinoctylphthl
Concen: 0.17 ug/mL
RT: 9.146 min Scan# 2802
Delta R.T. 0.023 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:149 Resp: 4595

Ion	Ratio	Lower	Upper
149	100		
167	38.7	0.0	31.2#
43	16.0	0.0	28.8

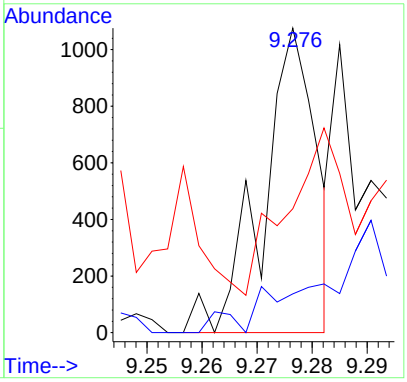




#87
B[b]fluoranth
Concen: 0.04 ug/mL
RT: 9.276 min Scan# 2848
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 5:15 pm

Tgt Ion:252 Resp: 729

Ion	Ratio	Lower	Upper
252	100		
253	12.7	0.0	52.8
125	0.0	0.0	46.4



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337812.D Vial: 15
Acq On : 22 Aug 2013 17:34 Operator: RPN
Sample : 97038,337812, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:46:34 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

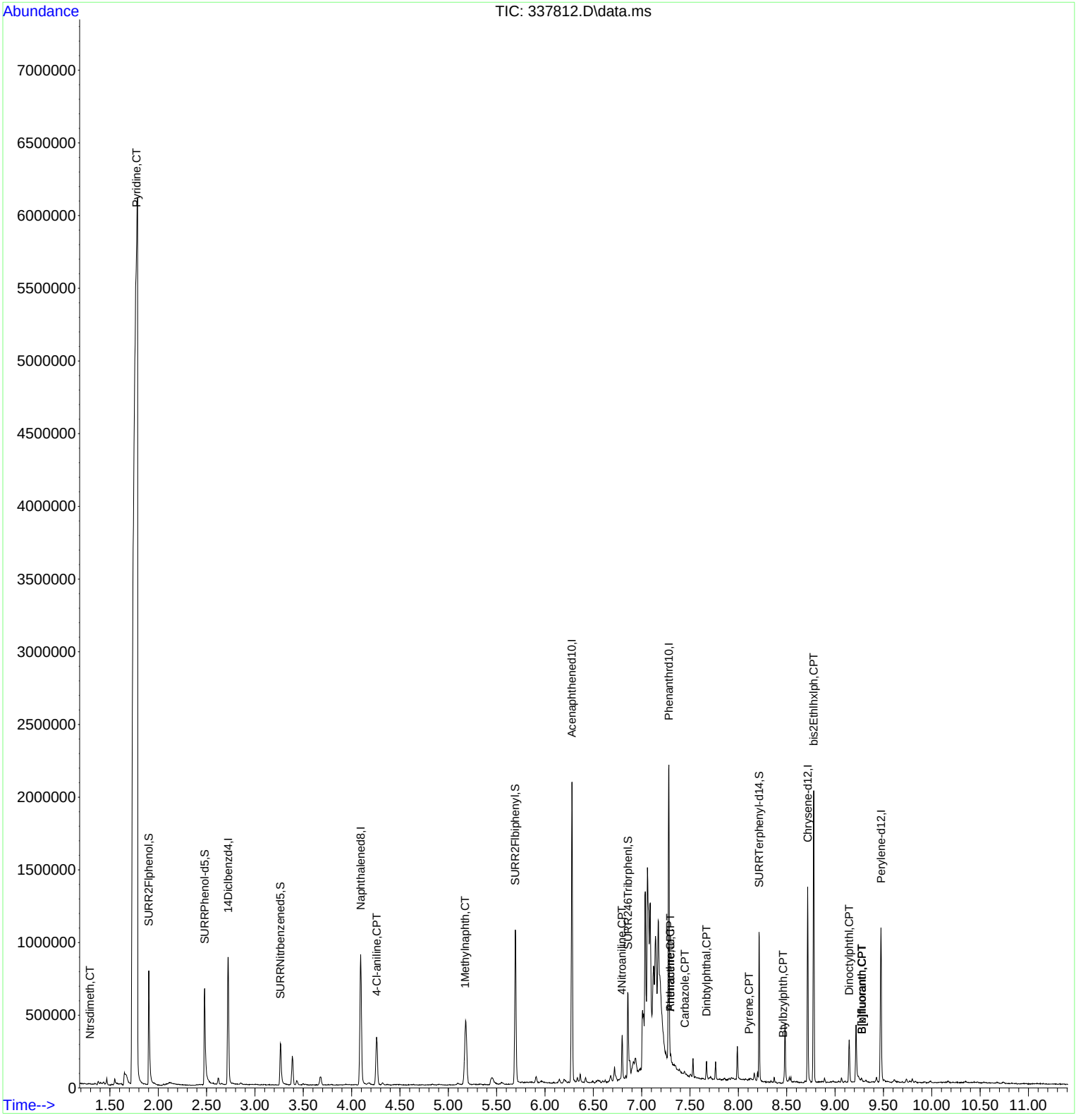
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.724	152	155530	20.00	ug/mL	0.00
21) Naphthalened8	4.094	136	568371	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	453477	20.00	ug/mL	0.00
63) Phenanthrd10	7.282	188	620084	20.00	ug/mL	0.00
75) Chrysene-d12	8.717	240	317641	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	305876	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.903	112	222550	52.49	%REC	0.02
Spiked Amount 100.000	Range 20 - 110		Recovery = 52.49%			
7) SURRPhenol-d5	2.480	99	276111	61.06	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 61.06%			
22) SURRNitrbenzened5	3.264	82	104372	63.36	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 63.36%			
44) SURR2Flbiphenyl	5.693	172	398305	66.81	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 66.81%			
62) SURR246Tribrphenl	6.858	330	64655	43.08	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 43.08%			
78) SURRTerphenyl-d14	8.214	244	215936	68.17	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 68.17%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.295	74	3239	0.5720	ug/mL#	54
3) Pyridine	1.775	79	1914	0.1801	ug/mL#	1
32) 4-Cl-aniline	4.261	127	1152	0.0998	ug/mL#	61
38) 1Methylnaphth	5.173	141	1476	0.0600	ug/mL#	15
48) Dimethylphtha	6.151	163	1115	Below Cal		95
50) Acenaphthene	6.281	154	1717	Below Cal	#	9
60) Diethylphthal	6.688	149	3927	Below Cal		93
61) 4Nitroaniline	6.796	138	957	0.1568	ug/mL#	64
65) Ntrsdiphlam&Diphlam	6.804	169	173	Below Cal	#	26
66) Azobenz&12Diphlhyd	6.833	182	3083	Below Cal	#	1
70) Phenanthrene	7.296	178	2658	0.0837	ug/mL	93
71) Anthracene	7.296	178	2658	0.0805	ug/mL	93
72) Carbazole	7.446	167	728	0.0234	ug/mL	77
73) Dinbtylphthal	7.671	149	37358	0.8818	ug/mL	99
77) Pyrene	8.111	202	2279	0.0570	ug/mL	83
79) Btylbzylphth	8.464	149	1995	0.1782	ug/mL	68
84) bis2Ethlhxlph	8.779	149	477292	31.9868	ug/mL	98
85) Dinoctylphthl	9.146	149	24642	0.8885	ug/mL#	50
87) B[b]fluoranth	9.276	252	1195	0.0687	ug/mL	84
88) B[k]fluoranth	9.276	252	918	0.0572	ug/mL	84

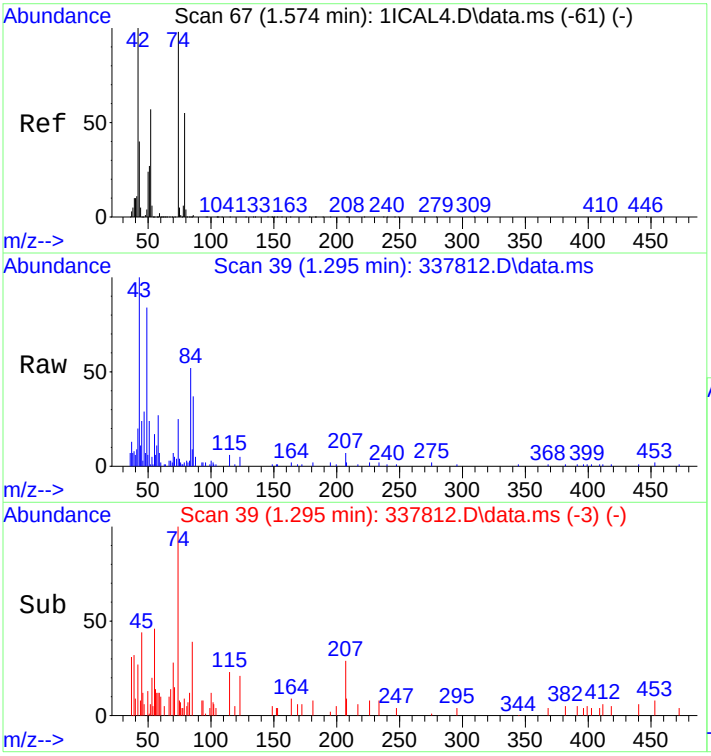
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337812.D Vial: 15
Acq On : 22 Aug 2013 17:34 Operator: RPN
Sample : 97038,337812, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:46:34 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

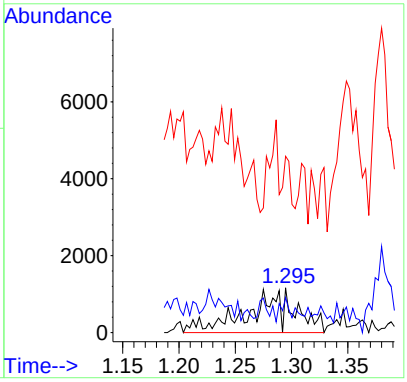


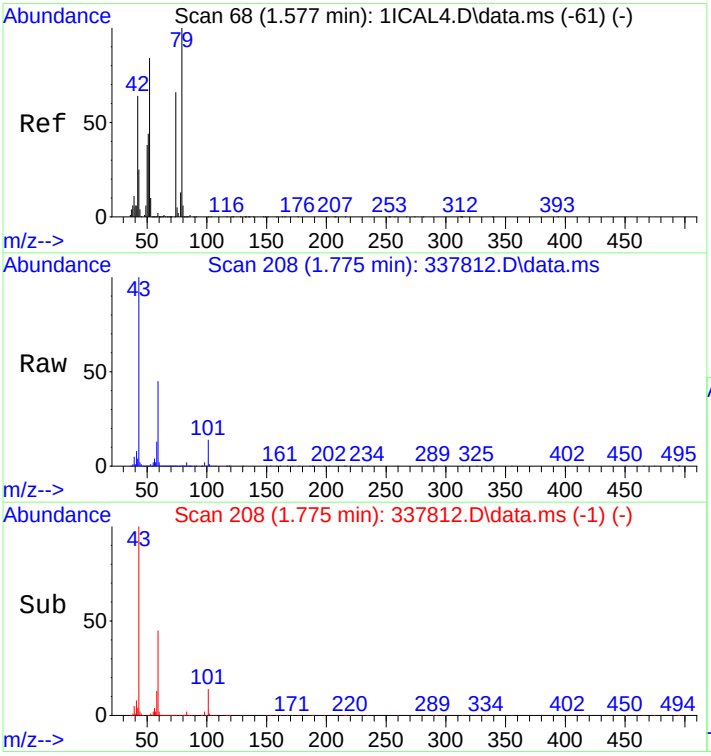


#2
Ntrsdimeth
Concen: 0.57 ug/mL
RT: 1.295 min Scan# 39
Delta R.T. 0.003 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion: 74 Resp: 3239

Ion	Ratio	Lower	Upper
74	100		
42	39.4	61.9	121.9#
43	25.5	11.4	71.4

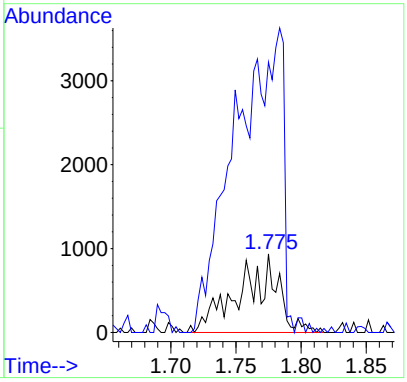


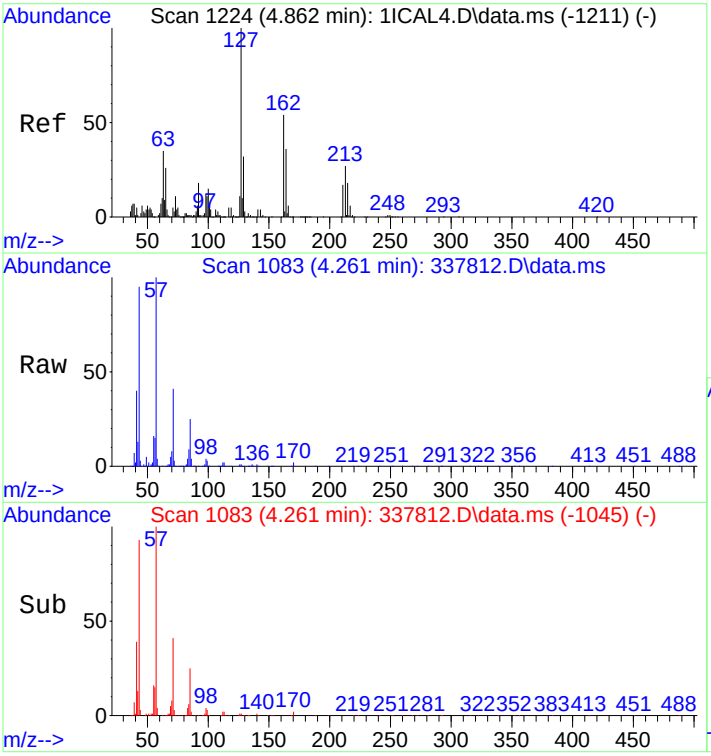


#3
Pyridine
Concen: 0.18 ug/mL
RT: 1.775 min Scan# 208
Delta R.T. 0.483 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion: 79 Resp: 1914

Ion	Ratio	Lower	Upper
79	100		
52	335.9	51.7	111.7#

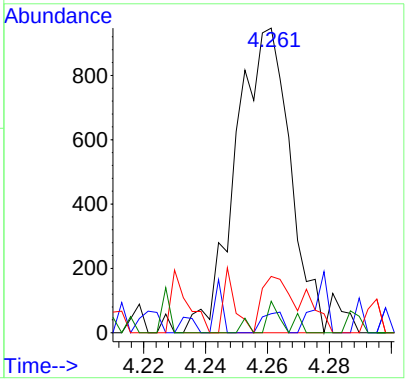


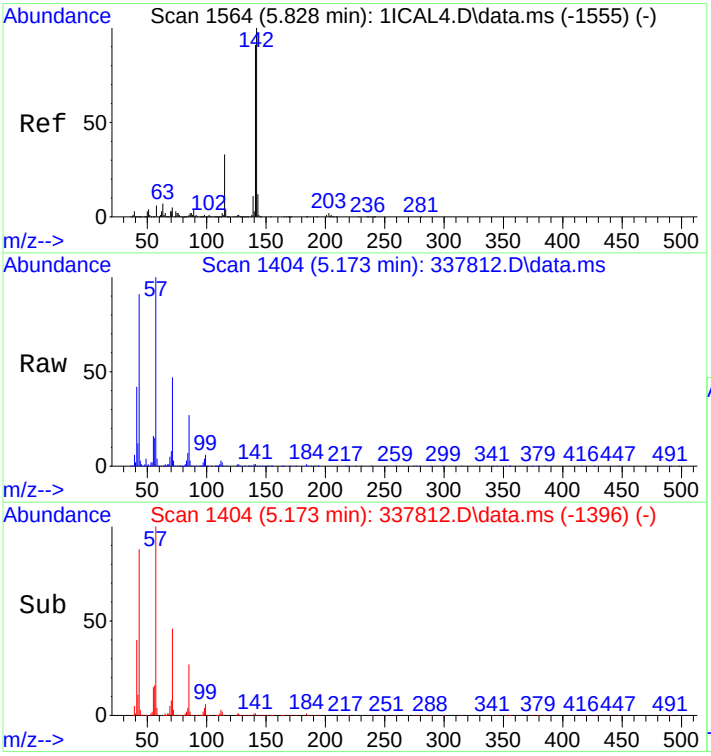


#32
4-Cl-aniline
Concen: 0.10 ug/mL
RT: 4.261 min Scan# 1083
Delta R.T. -0.006 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:127 Resp: 1152

Ion	Ratio	Lower	Upper
127	100		
129	1.2	3.3	63.3#
65	7.0	0.0	52.4
92	10.3	0.0	42.3

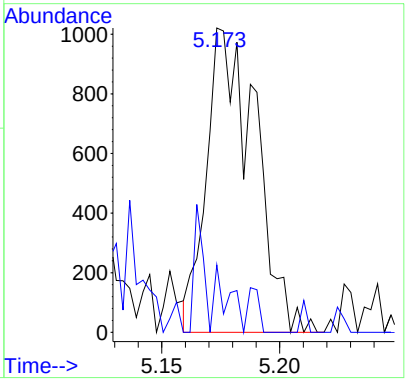


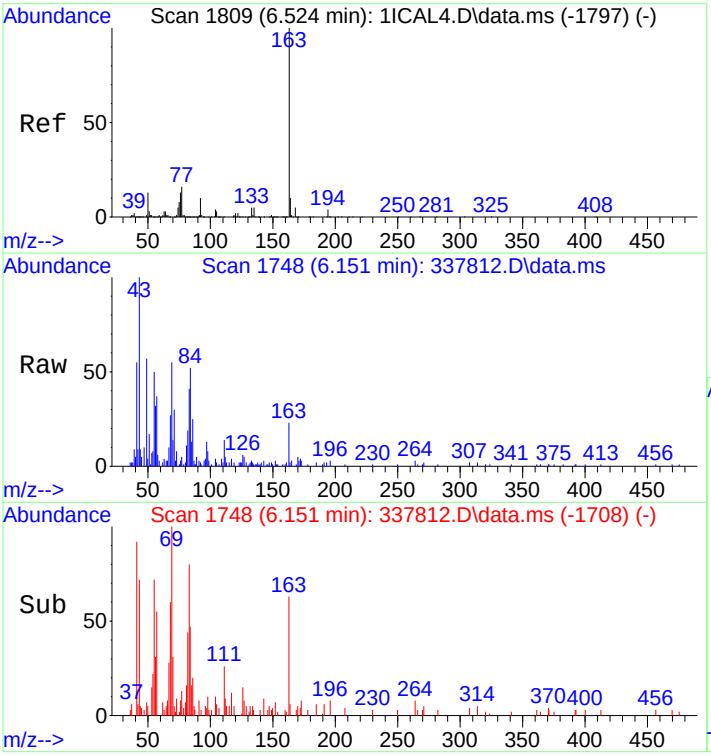


#38
1Methylnaphth
Concen: 0.06 ug/mL
RT: 5.173 min Scan# 1404
Delta R.T. -0.097 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:141 Resp: 1476

Ion	Ratio	Lower	Upper
141	100		
142	22.1	83.3	143.3#

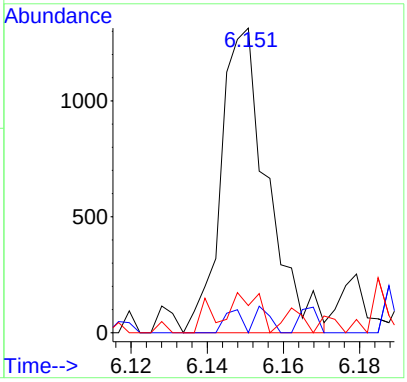


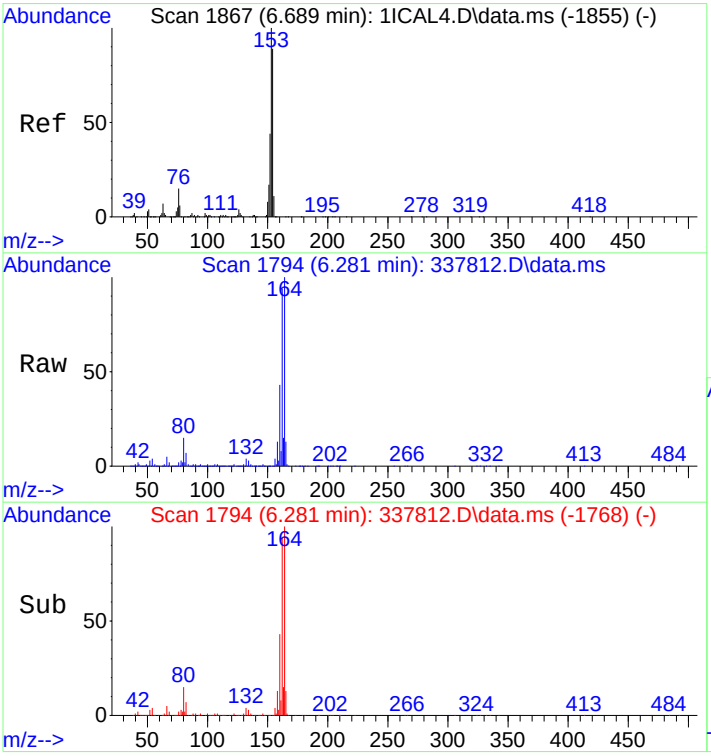


#48
Dimethylphtha
Concen: Below ug/mL
RT: 6.151 min Scan# 1748
Delta R.T. -0.006 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:163 Resp: 1115

Ion	Ratio	Lower	Upper
163	100		
194	0.0	0.0	33.1
164	8.9	0.0	40.2

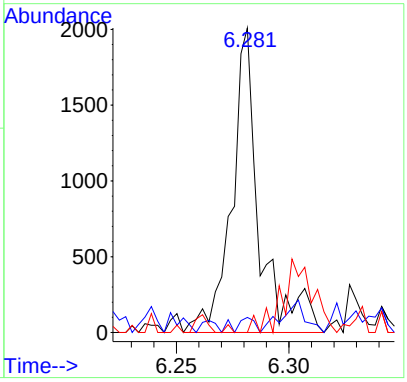


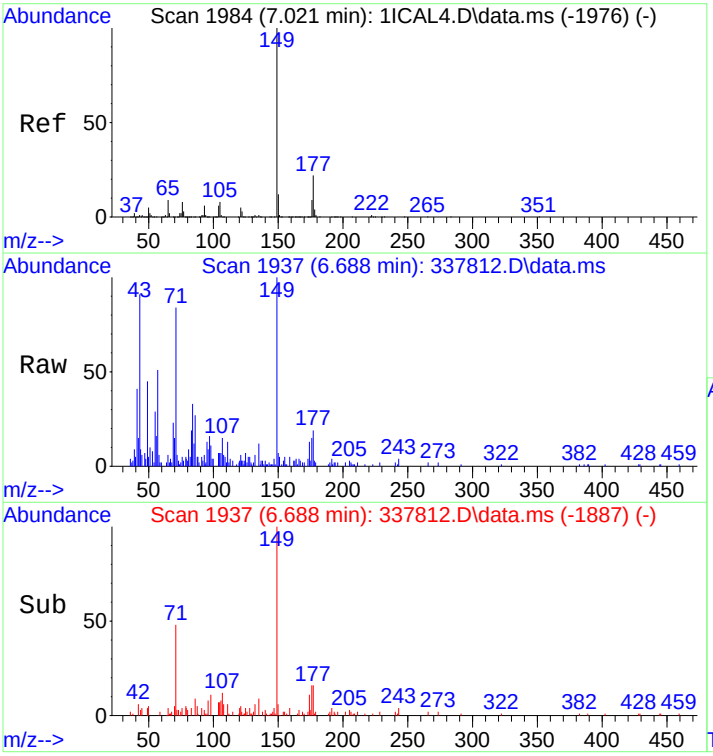


#50
Acenaphthene
Concen: Below ug/mL
RT: 6.281 min Scan# 1794
Delta R.T. -0.026 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:154 Resp: 1717

Ion	Ratio	Lower	Upper
154	100		
152	4.9	21.0	81.0#
153	0.0	87.7	127.7#

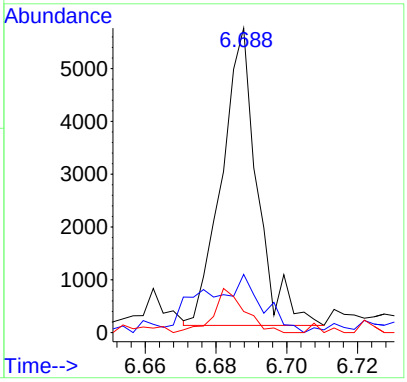


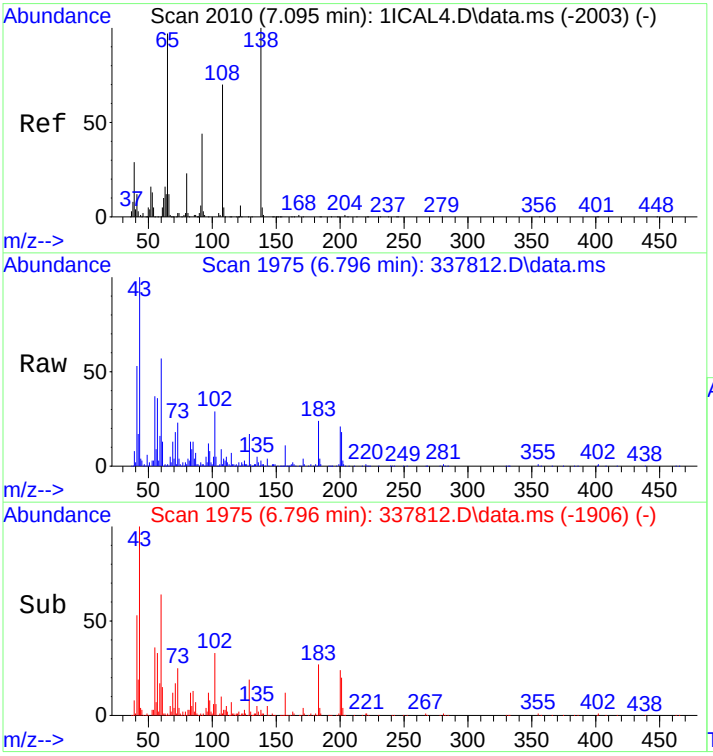


#60
Diethylphthal
Concen: Below ug/mL
RT: 6.688 min Scan# 1937
Delta R.T. -0.003 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:149 Resp: 3927

Ion	Ratio	Lower	Upper
149	100		
177	18.7	0.0	49.9
150	7.1	0.0	42.4

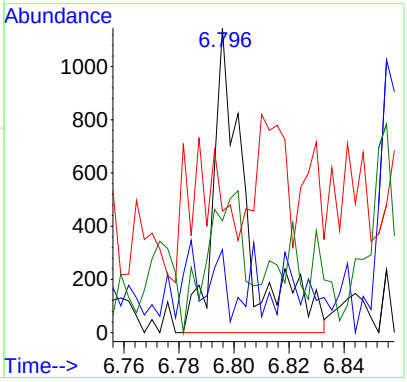


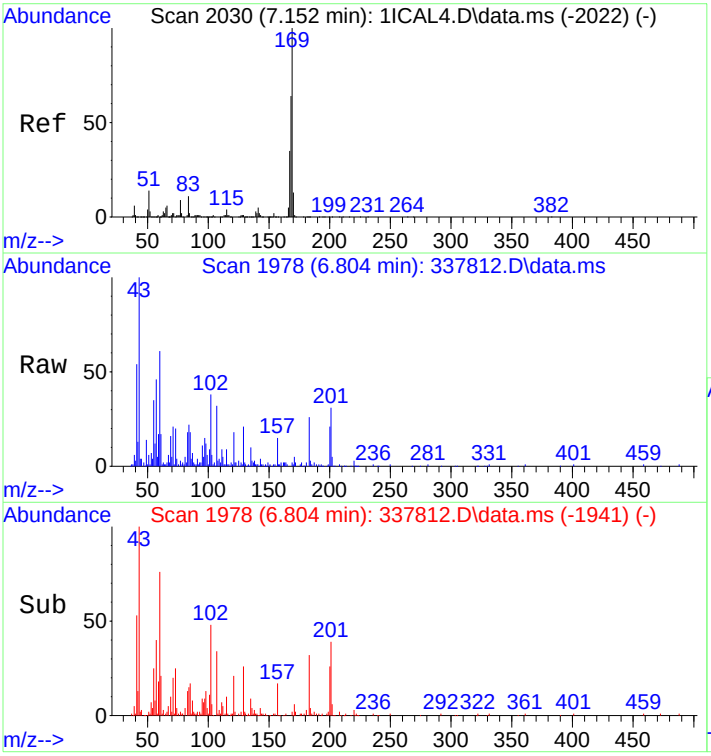


#61
4Nitroaniline
Concen: 0.16 ug/mL
RT: 6.796 min Scan# 1975
Delta R.T. 0.045 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:138 Resp: 957

Ion	Ratio	Lower	Upper
138	100		
92	15.7	6.3	66.3
108	9.3	17.2	77.2#
65	53.6	42.4	102.4

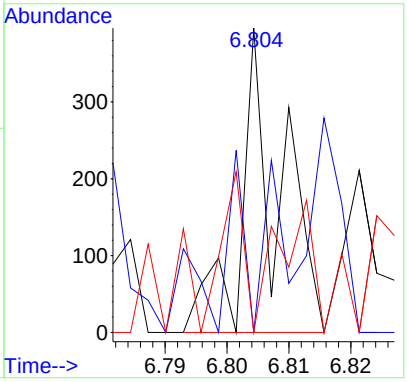


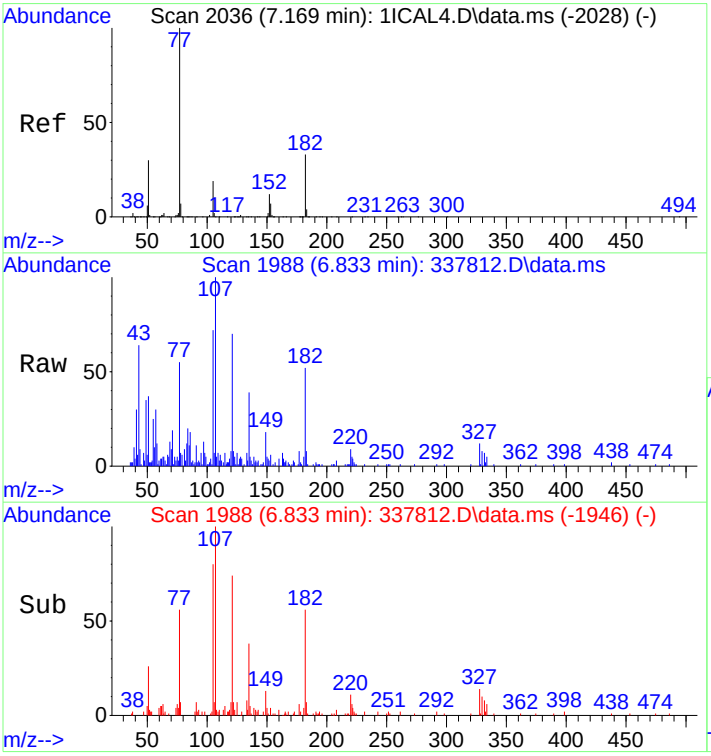


#65
Ntrsdiphlam&Diphlam
Concen: Below ug/mL
RT: 6.804 min Scan# 1978
Delta R.T. -0.009 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:169 Resp: 173

Ion	Ratio	Lower	Upper
169	100		
168	0.0	34.5	94.5#
167	0.0	4.6	64.6#

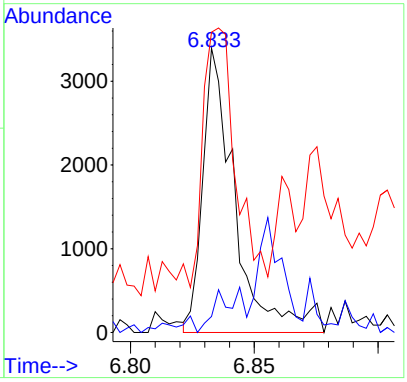


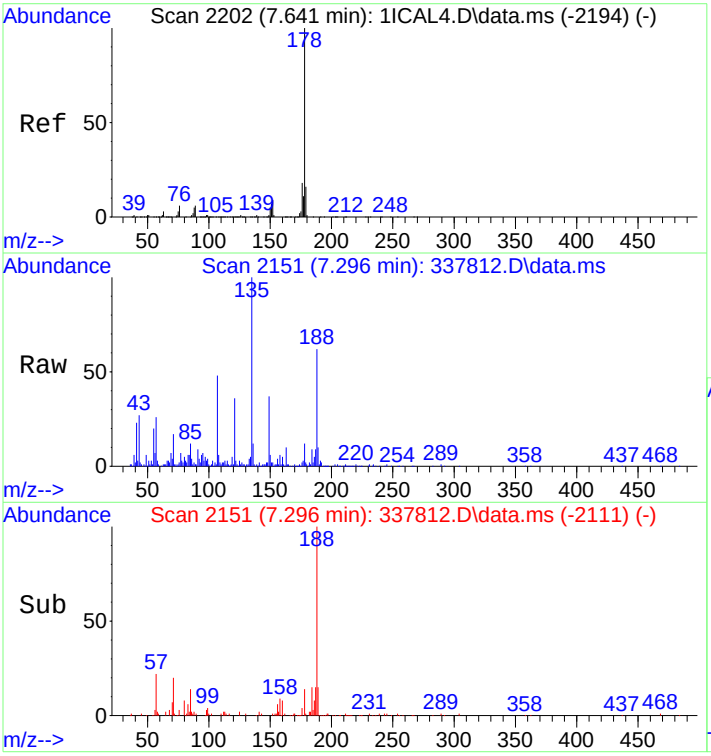


#66
Azobenz&12Diphlhyd
Concen: Below ug/mL
RT: 6.833 min Scan# 1988
Delta R.T. 0.006 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:182 Resp: 3083

Ion	Ratio	Lower	Upper
182	100		
152	3.0	9.8	69.8#
77	81.5	337.4	397.4#

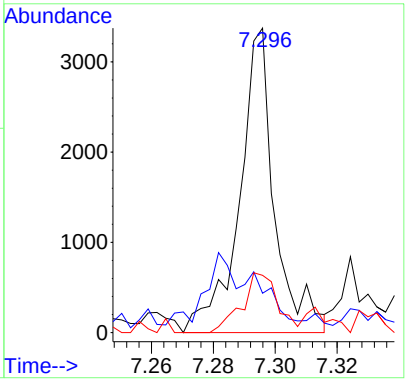


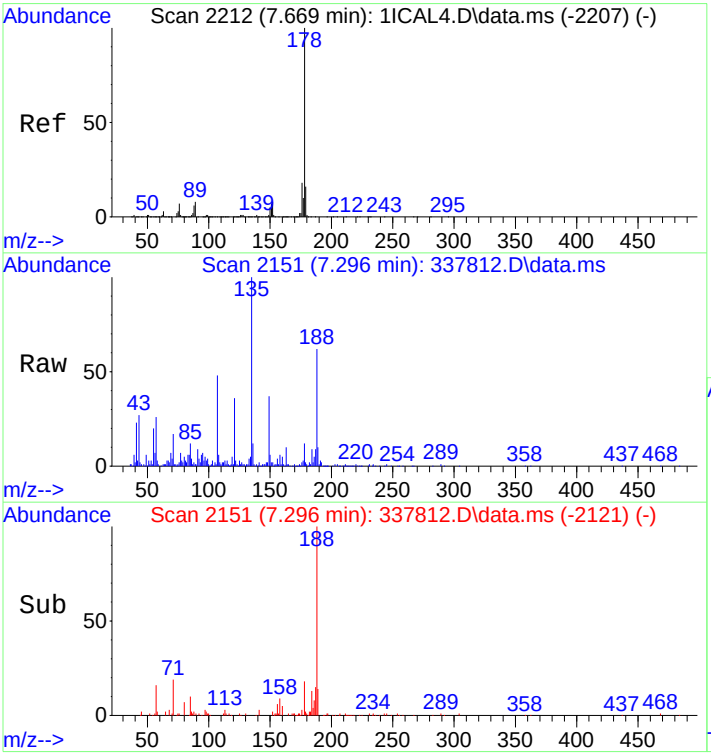


#70
Phenanthrene
Concen: 0.08 ug/mL
RT: 7.296 min Scan# 2151
Delta R.T. -0.000 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:178 Resp: 2658

Ion	Ratio	Lower	Upper
178	100		
179	9.8	0.0	45.5
176	18.8	0.0	49.4

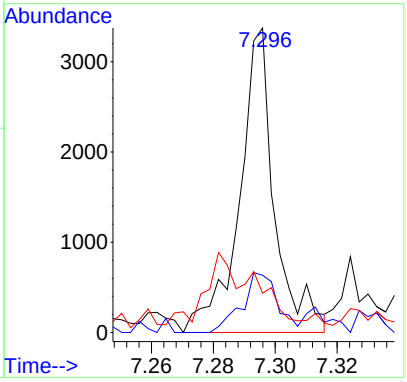


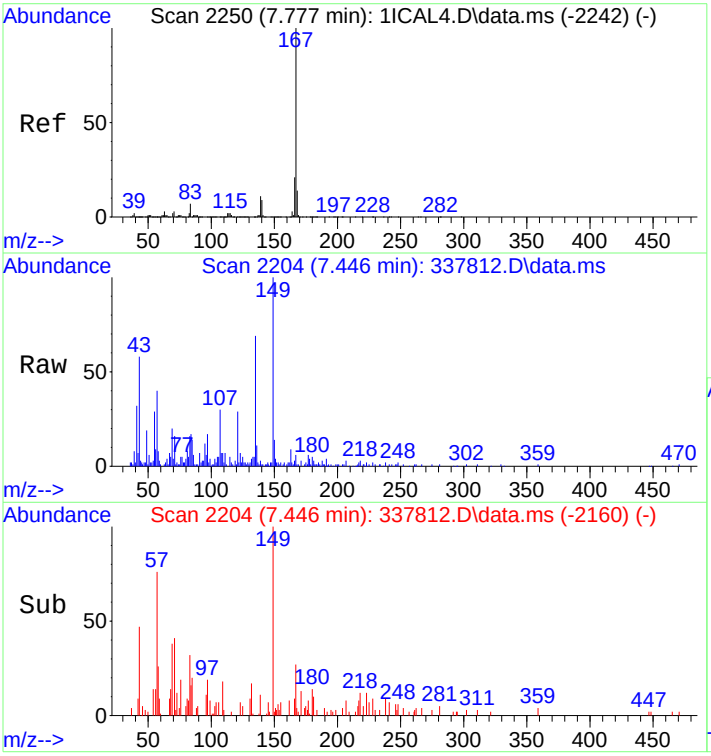


#71
Anthracene
Concen: 0.08 ug/mL
RT: 7.296 min Scan# 2151
Delta R.T. -0.029 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:178 Resp: 2658

Ion	Ratio	Lower	Upper
178	100		
176	18.8	0.0	49.2
179	9.8	0.0	45.7

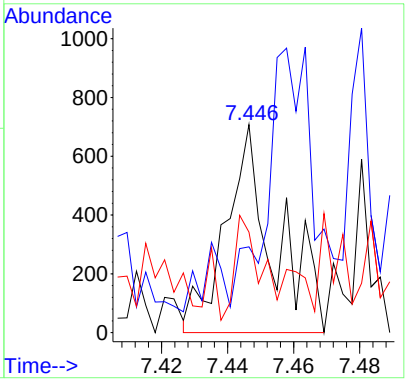


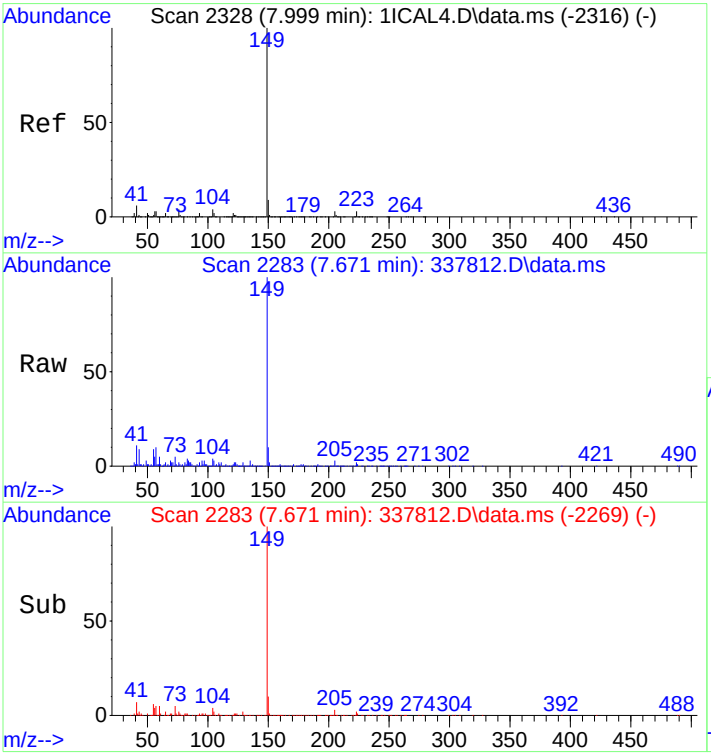


#72
Carbazole
Concen: 0.02 ug/mL
RT: 7.446 min Scan# 2204
Delta R.T. 0.011 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:167 Resp: 728

Ion	Ratio	Lower	Upper
167	100		
166	31.2	0.0	50.2
139	19.6	0.0	41.6

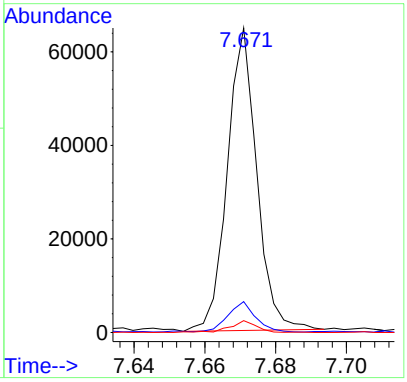


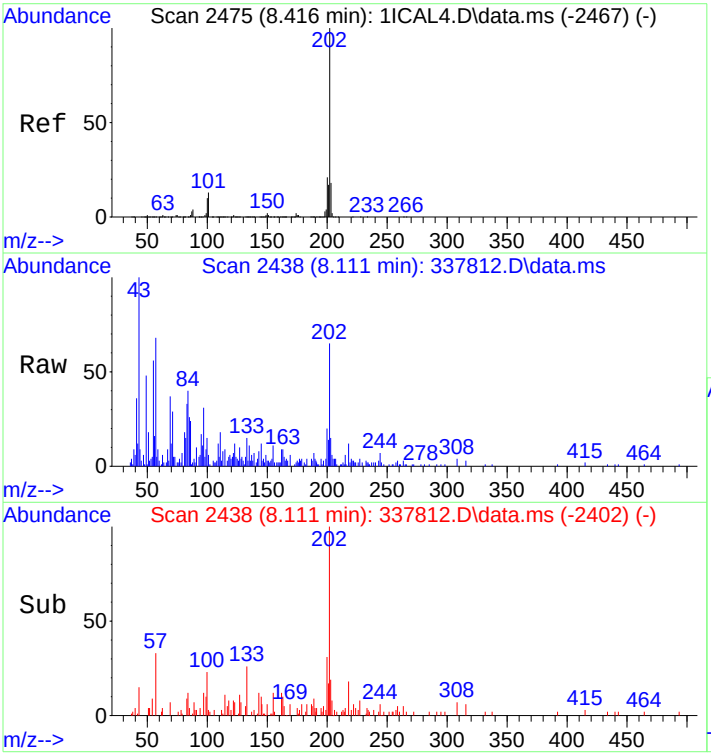


#73
Dinbtylphthal
Concen: 0.88 ug/mL
RT: 7.671 min Scan# 2283
Delta R.T. -0.000 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:149 Resp: 37358

Ion	Ratio	Lower	Upper
149	100		
150	9.9	0.0	39.4
104	3.9	0.0	33.5

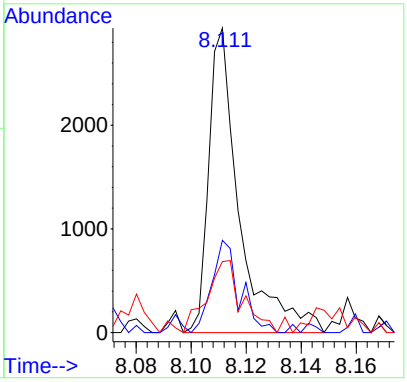


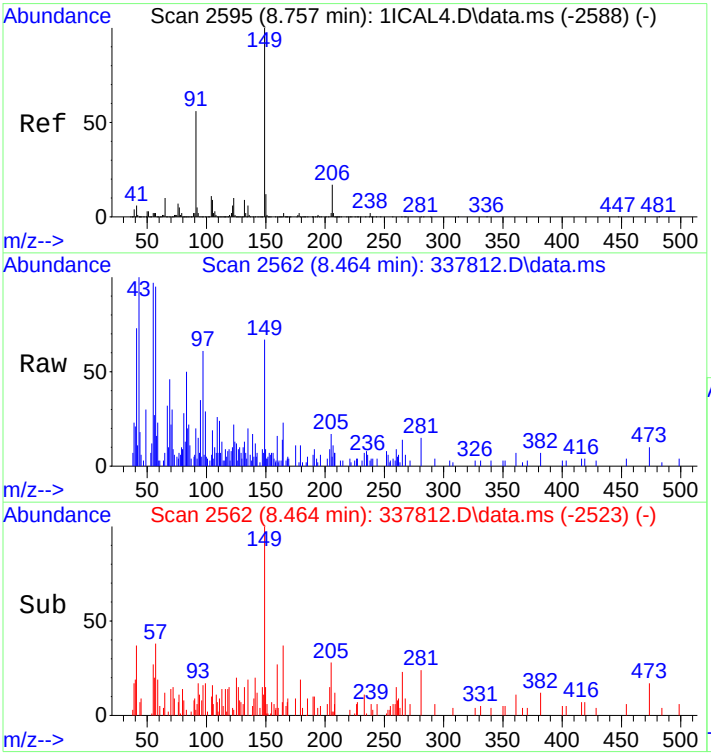


#77
Pyrene
Concen: 0.06 ug/mL
RT: 8.111 min Scan# 2438
Delta R.T. 0.003 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:202 Resp: 2279

Ion	Ratio	Lower	Upper
202	100		
200	30.3	0.0	50.3
203	23.4	0.0	48.5

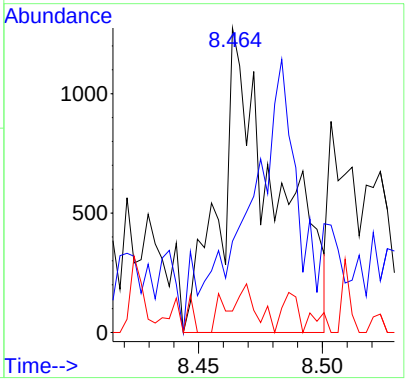


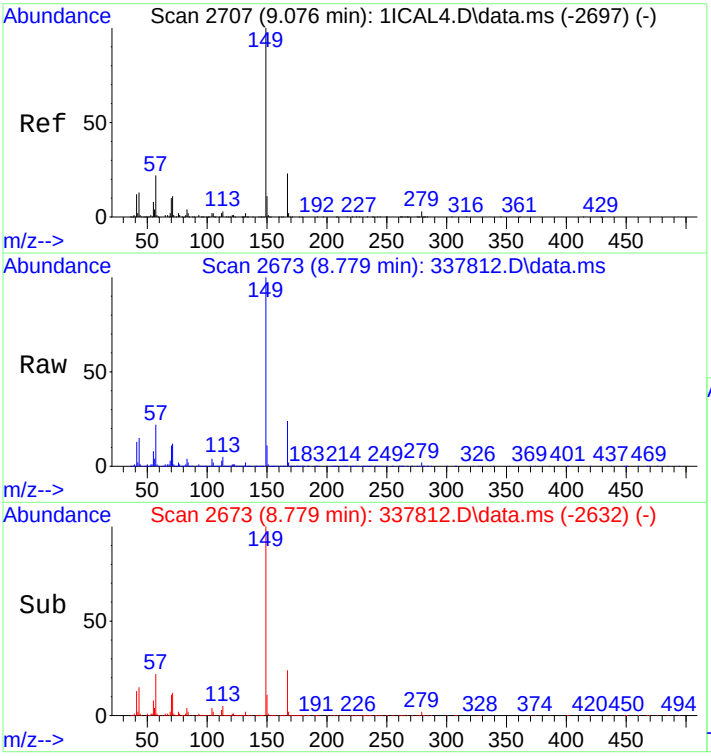


#79
Btylbzylphth
Concen: 0.18 ug/mL
RT: 8.464 min Scan# 2562
Delta R.T. -0.003 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:149 Resp: 1995

Ion	Ratio	Lower	Upper
149	100		
91	30.0	26.8	86.8
206	7.1	0.0	42.4

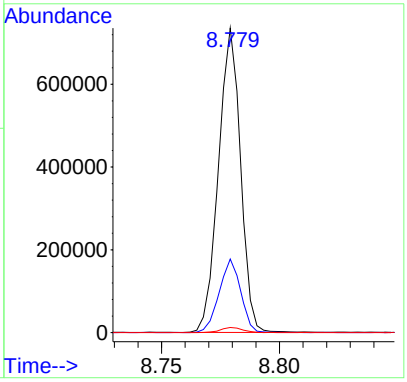


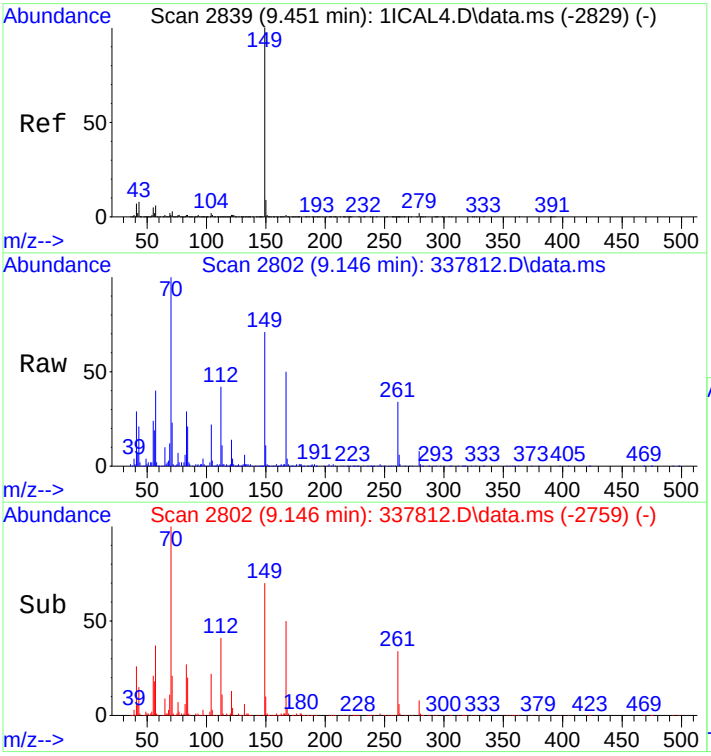


#84
bis2Ethlhxlph
Concen: 31.99 ug/mL
RT: 8.779 min Scan# 2673
Delta R.T. 0.003 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:149 Resp: 477292

Ion	Ratio	Lower	Upper
149	100		
167	24.2	0.0	55.0
279	1.7	0.0	31.6

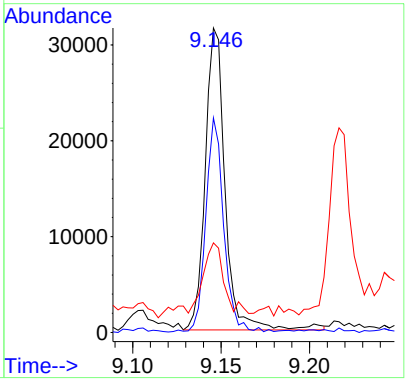


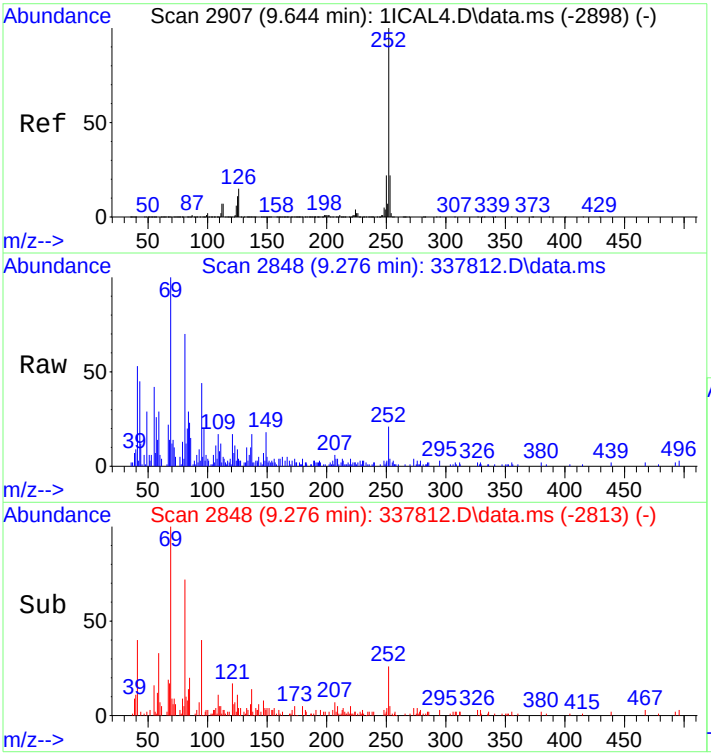


#85
Dinoctylphthl
Concen: 0.89 ug/mL
RT: 9.146 min Scan# 2802
Delta R.T. 0.023 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:149 Resp: 24642

Ion	Ratio	Lower	Upper
149	100		
167	70.6	0.0	31.2#
43	20.9	0.0	28.8

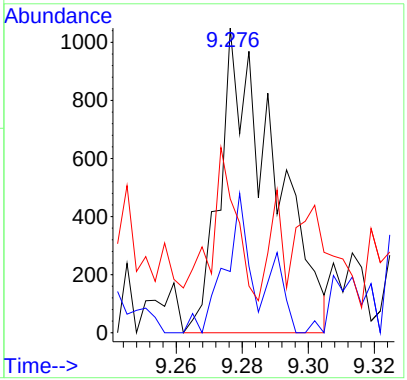


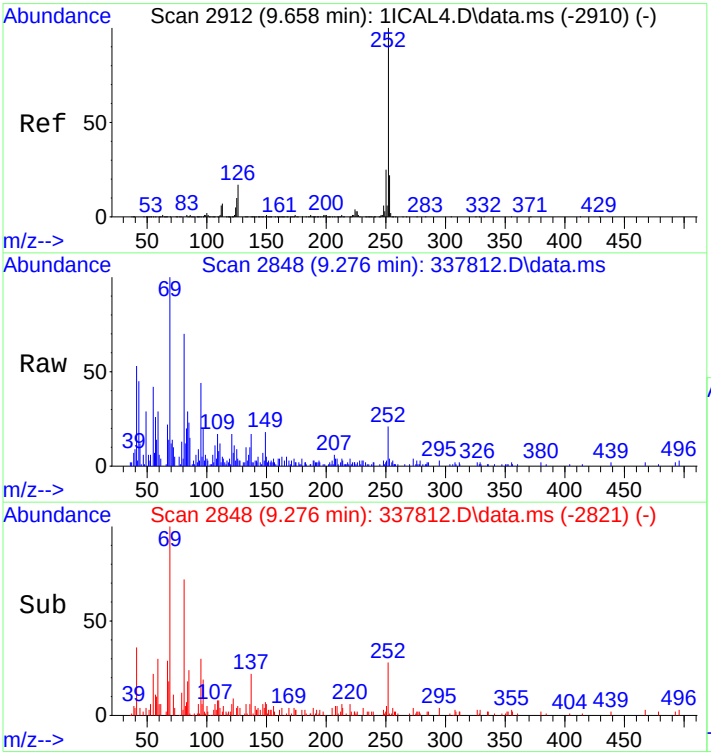


#87
B[b]fluoranth
Concen: 0.07 ug/mL
RT: 9.276 min Scan# 2848
Delta R.T. -0.000 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:252 Resp: 1195

Ion	Ratio	Lower	Upper
252	100		
253	20.1	0.0	52.8
125	29.3	0.0	46.4

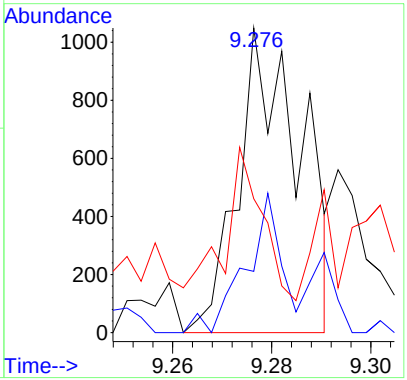




#88
B[k]fluoranth
Concen: 0.06 ug/mL
RT: 9.276 min Scan# 2848
Delta R.T. -0.014 min
Lab File: 337812.D
Acq: 22 Aug 13 5:34 pm

Tgt Ion:252 Resp: 918

Ion	Ratio	Lower	Upper
252	100		
253	20.1	0.0	52.3
125	29.3	0.0	45.8



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337813.D Vial: 16
Acq On : 22 Aug 2013 17:52 Operator: RPN
Sample : 97038,337813, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:02:00 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

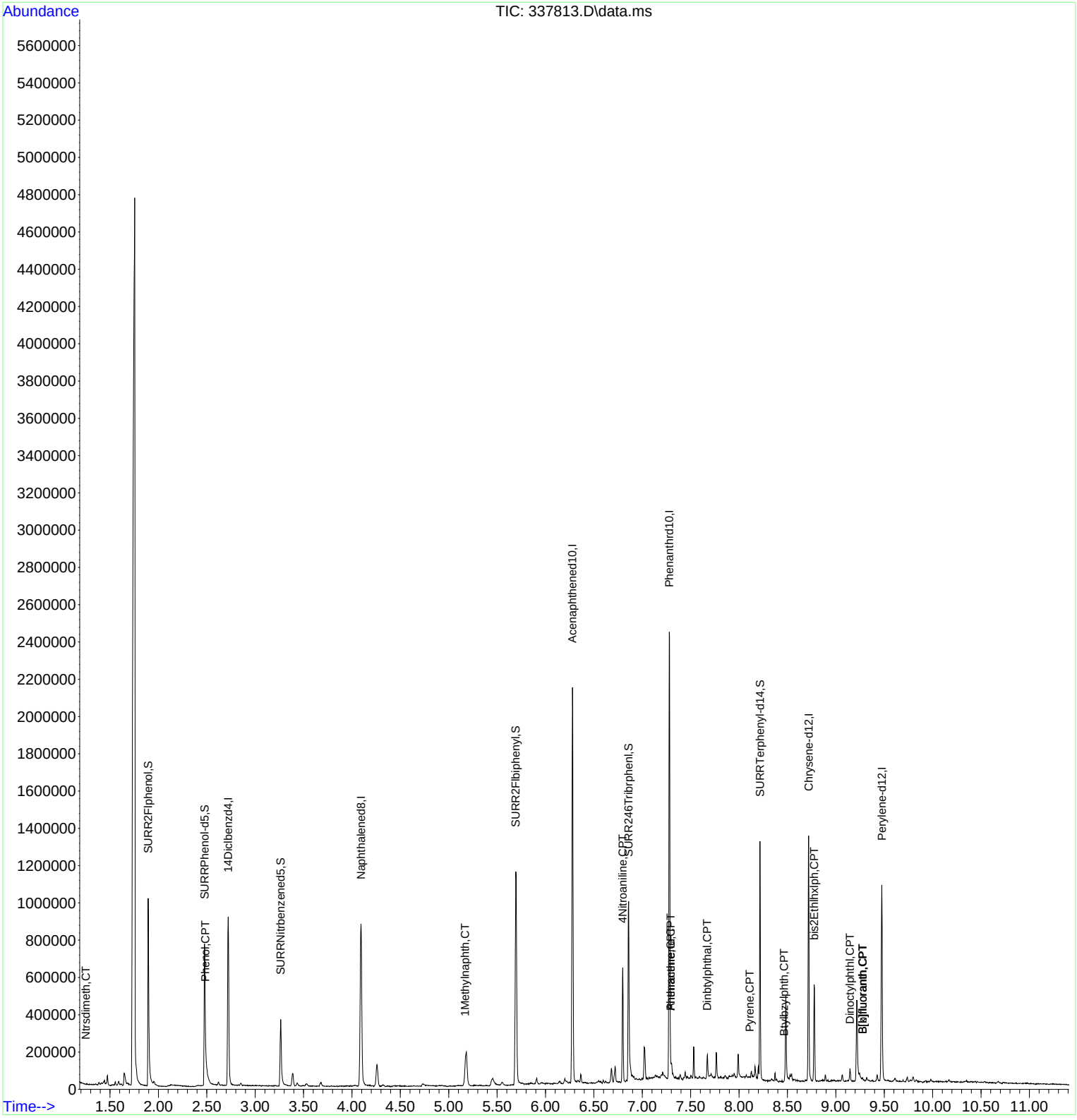
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	155943	20.00	ug/mL	0.00
21) Naphthalened8	4.093	136	570026	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	464437	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	693595	20.00	ug/mL	0.00
75) Chrysene-d12	8.719	240	319586	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	300363	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.894	112	271082	63.77	%REC	0.01
Spiked Amount 100.000	Range 20 - 110		Recovery = 63.77%			
7) SURRPhenol-d5	2.477	99	314903	69.45	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 69.45%			
22) SURRNitrbenzened5	3.264	82	123064	74.49	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 74.49%			
44) SURR2Flbiphenyl	5.693	172	460675	75.45	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 75.45%			
62) SURR246Tribrphenl	6.858	330	109545	71.28	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 71.28%			
78) SURRTerphenyl-d14	8.216	244	251550	78.93	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 78.93%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.249	74	1074	0.1892	ug/mL#	7
8) Phenol	2.485	94	2199	0.1652	ug/mL#	1
38) 1Methylnaphth	5.170	141	735	0.0298	ug/mL#	5
48) Dimethylphtha	6.145	163	1316	Below Cal		90
50) Acenaphthene	6.281	154	1745	Below Cal #		11
61) 4Nitroaniline	6.799	138	1146	0.1833	ug/mL#	34
65) Ntrsdiphlam&Diphlam	6.813	169	320	Below Cal #		36
66) Azobenz&12Diphlhyd	6.838	182	2288	Below Cal #		1
70) Phenanthrene	7.293	178	1898	0.0534	ug/mL	91
71) Anthracene	7.293	178	1898	0.0514	ug/mL	91
73) Dinbtylphthal	7.671	149	22238	0.4693	ug/mL	97
77) Pyrene	8.111	202	877	0.0218	ug/mL	64
79) Btylbzylphth	8.466	149	875	0.0777	ug/mL	98
84) bis2Ethlhxlph	8.776	149	129413	8.6201	ug/mL	98
85) Dinoctylphthl	9.146	149	5796	0.2077	ug/mL#	69
87) B[b]fluoranth	9.276	252	516	0.0302	ug/mL	83
88) B[k]fluoranth	9.276	252	516	0.0327	ug/mL	77

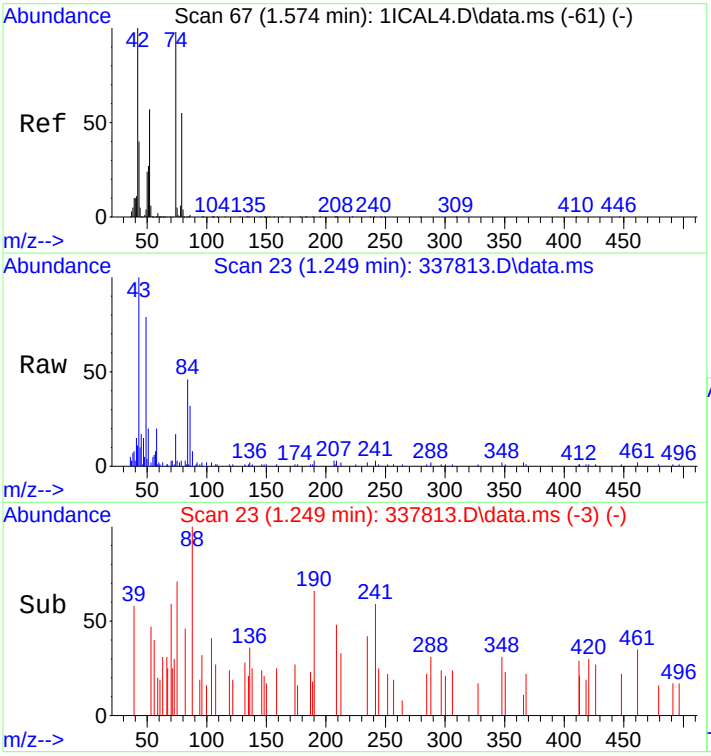
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337813.D Vial: 16
Acq On : 22 Aug 2013 17:52 Operator: RPN
Sample : 97038,337813, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:02:00 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

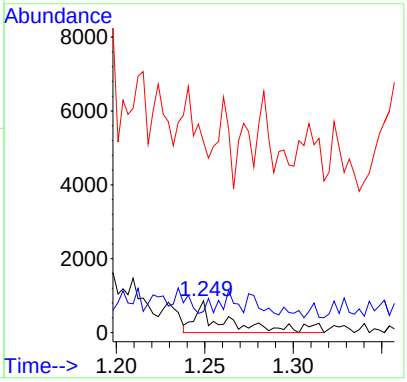


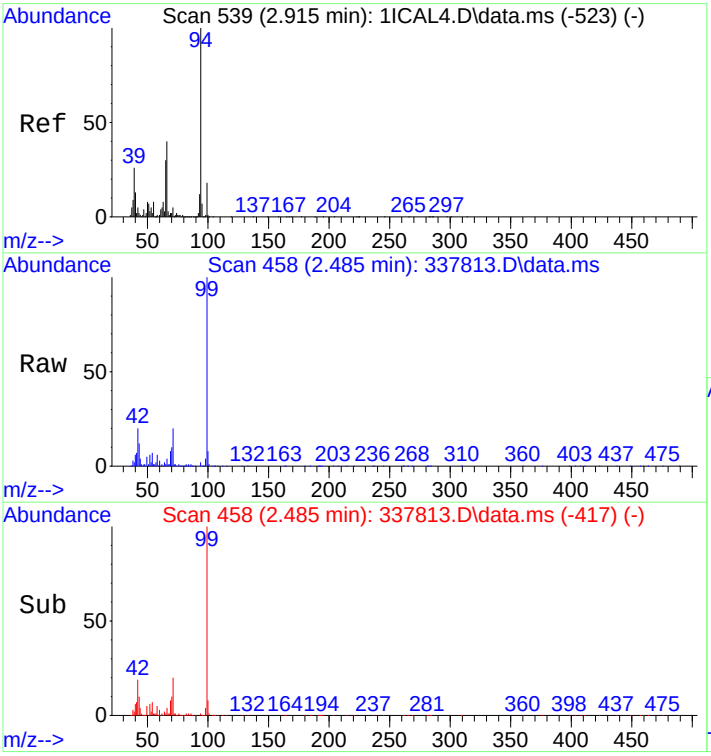


#2
Ntrsdimeth
Concen: 0.19 ug/mL
RT: 1.249 min Scan# 23
Delta R.T. -0.043 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion: 74 Resp: 1074

Ion	Ratio	Lower	Upper
74	100		
42	19.1	61.9	121.9#
43	122.0	11.4	71.4#

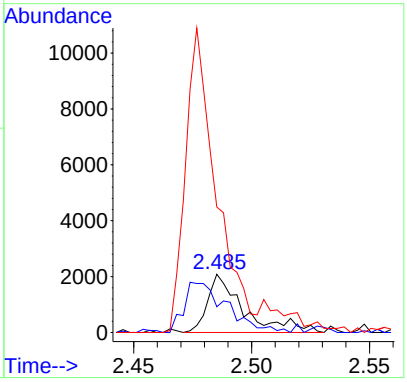


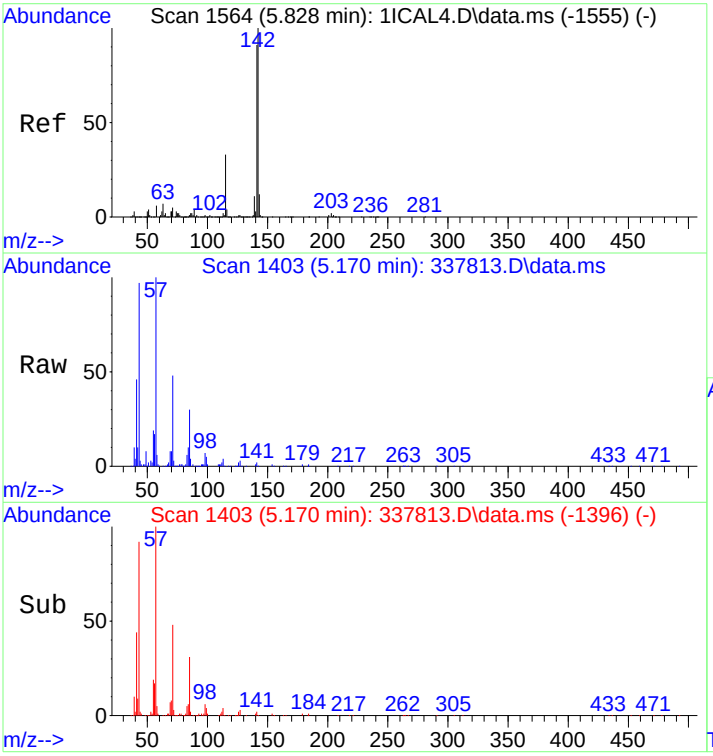


#8
Phenol
Concen: 0.17 ug/mL
RT: 2.485 min Scan# 458
Delta R.T. 0.003 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion: 94 Resp: 2199

Ion	Ratio	Lower	Upper
94	100		
65	35.5	0.0	54.1
66	208.5	0.8	60.8#

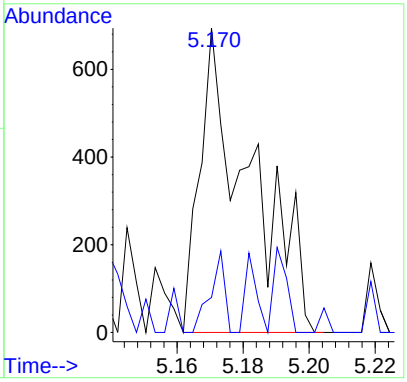


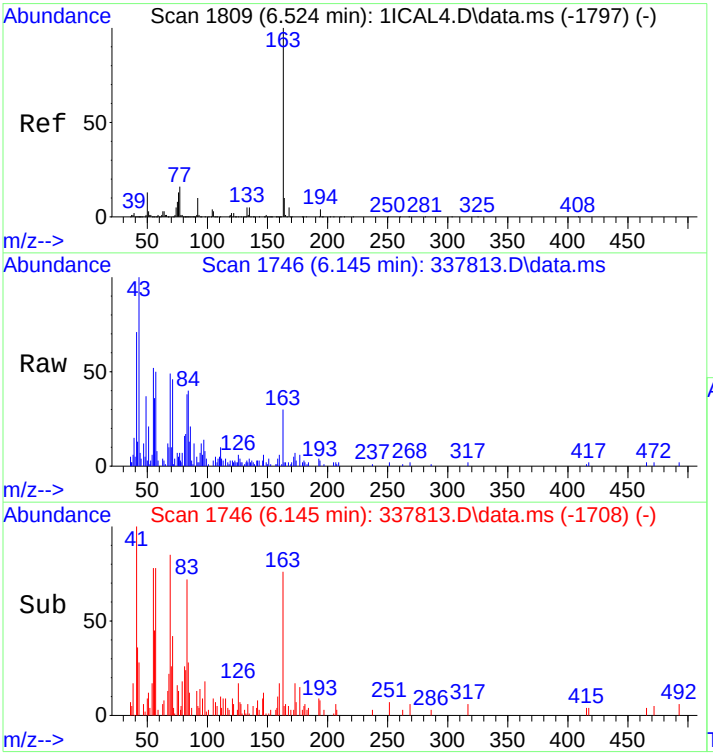


#38
1Methylnaphth
Concen: 0.03 ug/mL
RT: 5.170 min Scan# 1403
Delta R.T. -0.100 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion:141 Resp: 735

Ion	Ratio	Lower	Upper
141	100		
142	11.5	83.3	143.3#

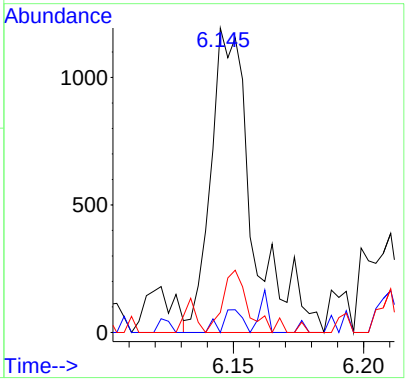


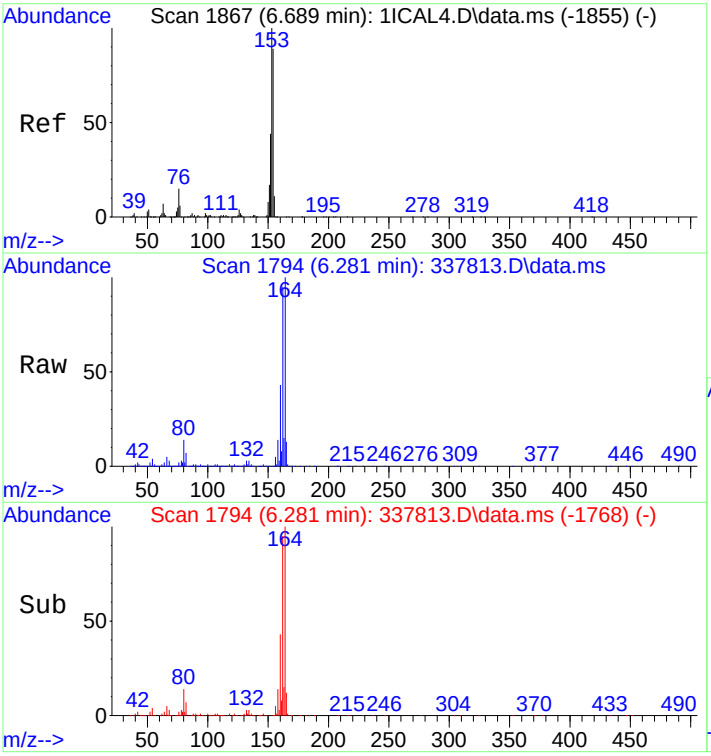


#48
Dimethylphtha
Concen: Below ug/mL
RT: 6.145 min Scan# 1746
Delta R.T. -0.012 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion:163 Resp: 1316

Ion	Ratio	Lower	Upper
163	100		
194	0.0	0.0	33.1
164	6.5	0.0	40.2

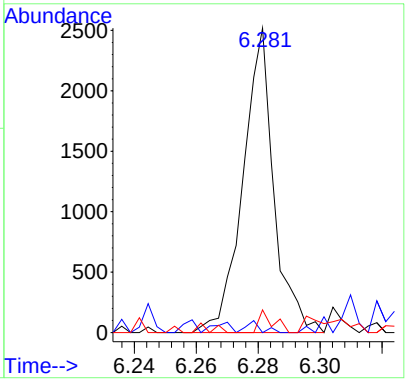


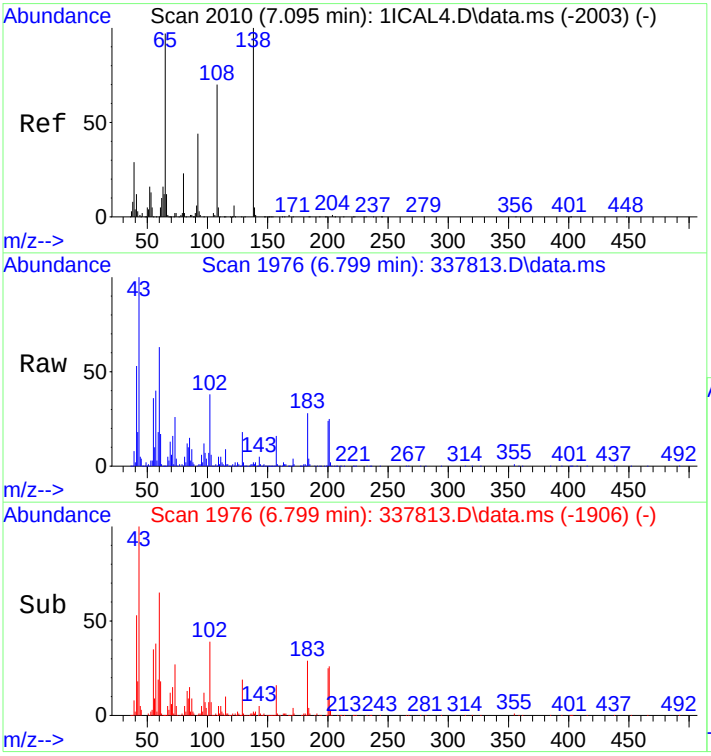


#50
Acenaphthene
Concen: Below ug/mL
RT: 6.281 min Scan# 1794
Delta R.T. -0.026 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion:154 Resp: 1745

Ion	Ratio	Lower	Upper
154	100		
152	0.0	21.0	81.0#
153	7.4	87.7	127.7#

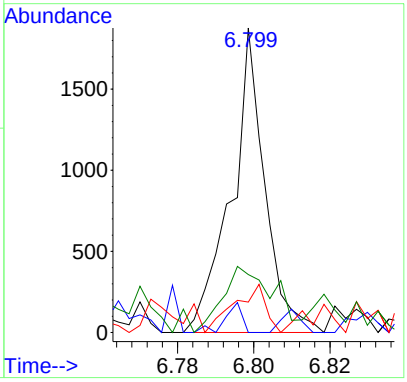


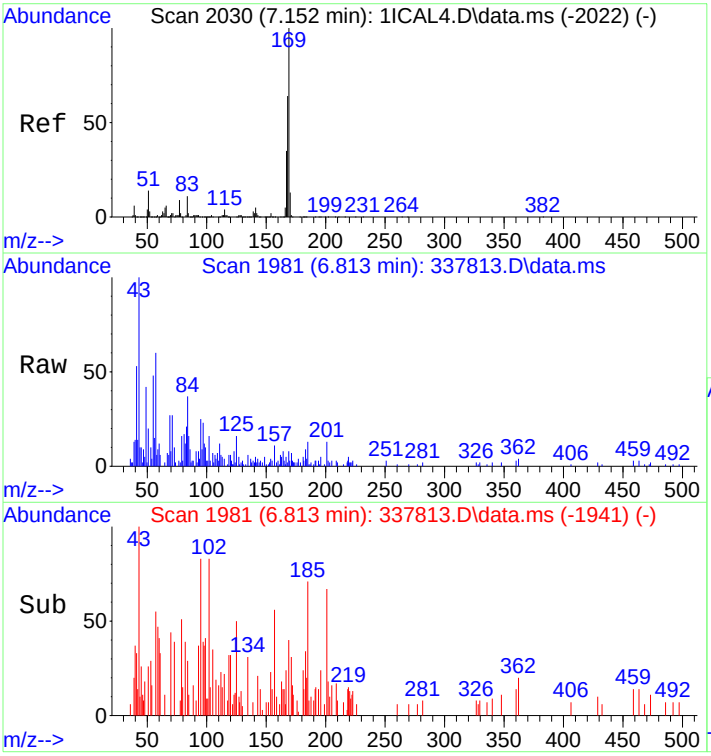


#61
4Nitroaniline
Concen: 0.18 ug/mL
RT: 6.799 min Scan# 1976
Delta R.T. 0.048 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion:138 Resp: 1146

Ion	Ratio	Lower	Upper
138	100		
92	0.0	6.3	66.3#
108	7.1	17.2	77.2#
65	11.3	42.4	102.4#

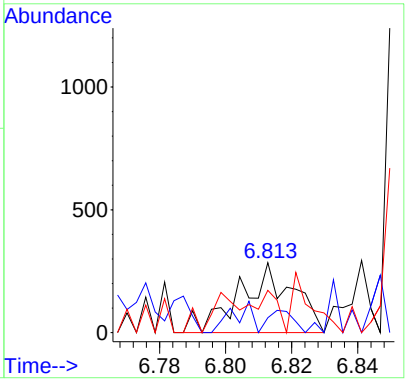


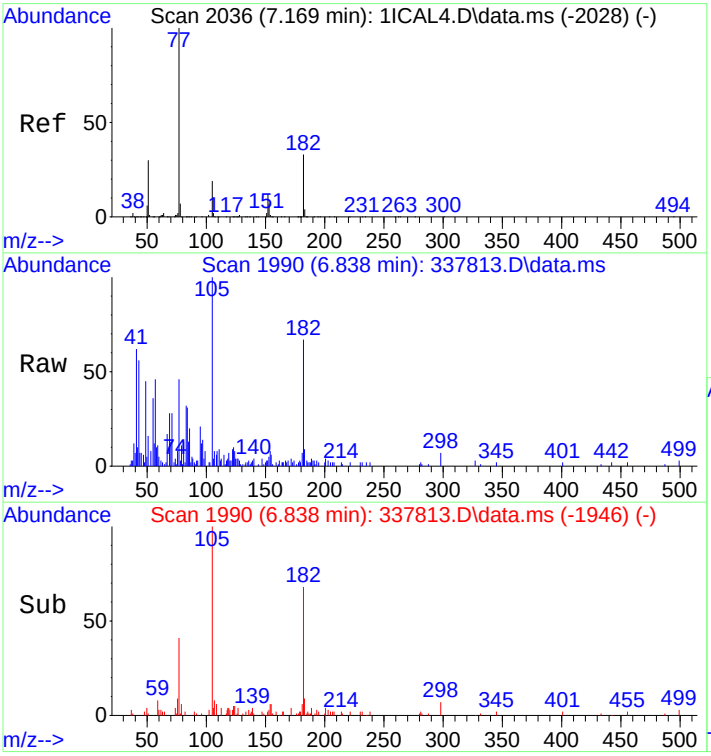


#65
Ntrsdiphlam&Diphlam
Concen: Below ug/mL
RT: 6.813 min Scan# 1981
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion:169 Resp: 320

Ion	Ratio	Lower	Upper
169	100		
168	21.4	34.5	94.5#
167	81.8	4.6	64.6#

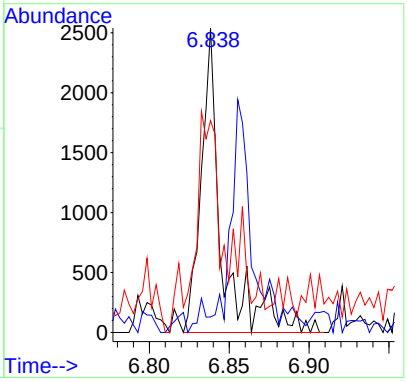


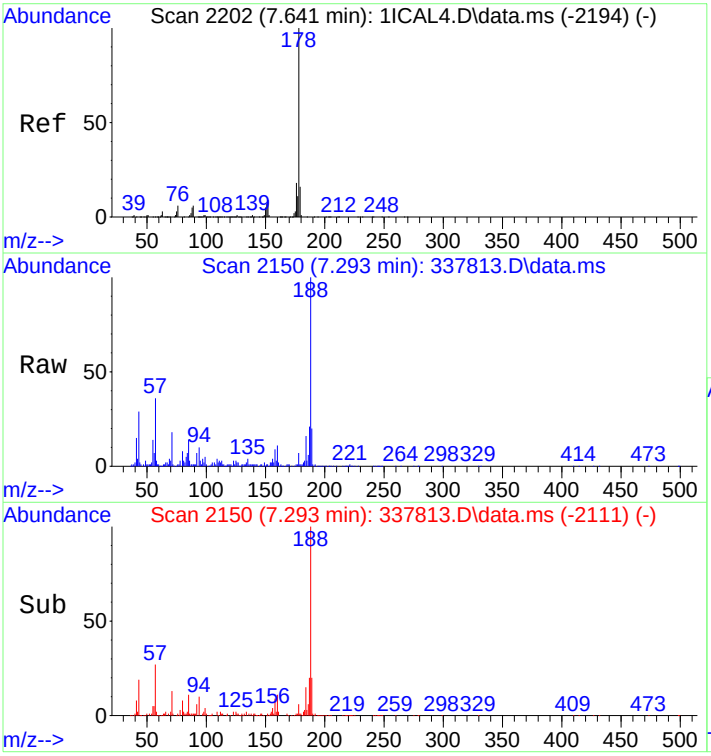


#66
Azobenz&12Diphlhyd
Concen: Below ug/mL
RT: 6.838 min Scan# 1990
Delta R.T. 0.011 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion:182 Resp: 2288

Ion	Ratio	Lower	Upper
182	100		
152	0.0	9.8	69.8#
77	61.3	337.4	397.4#

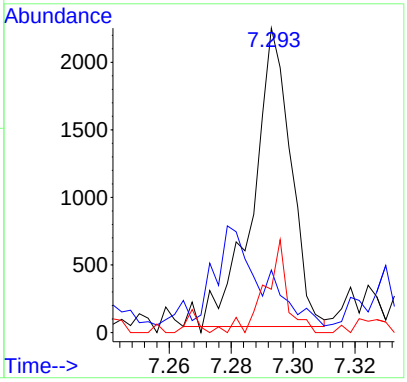


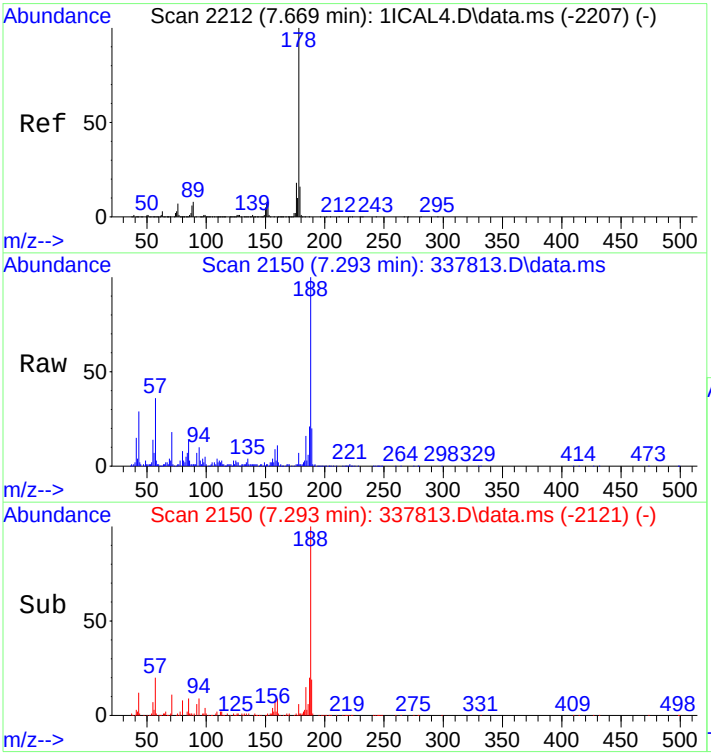


#70
Phenanthrene
Concen: 0.05 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.003 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion:178 Resp: 1898

Ion	Ratio	Lower	Upper
178	100		
179	18.7	0.0	45.5
176	14.5	0.0	49.4

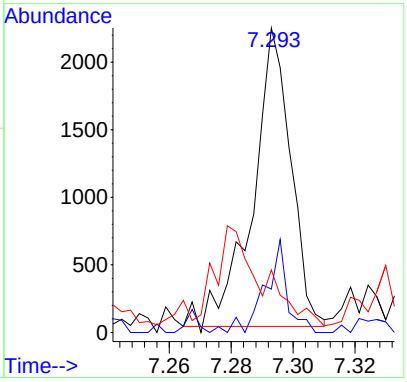


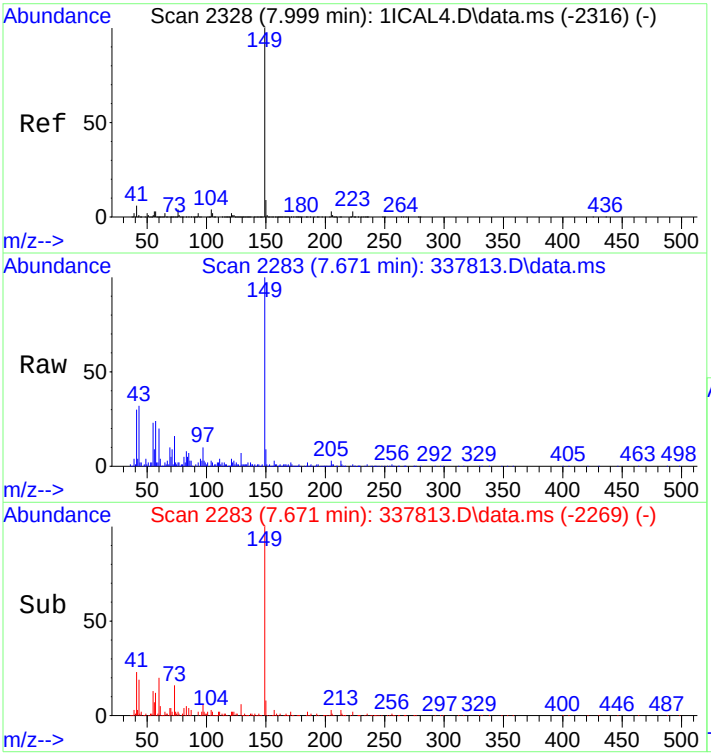


#71
Anthracene
Concen: 0.05 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.031 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion:178 Resp: 1898

Ion	Ratio	Lower	Upper
178	100		
176	14.5	0.0	49.2
179	18.7	0.0	45.7

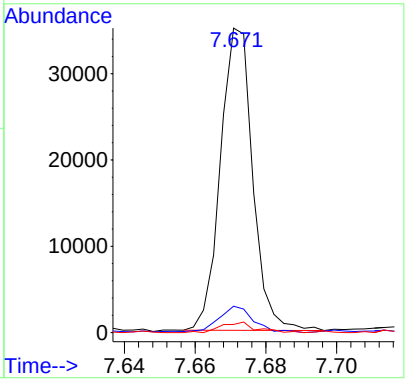


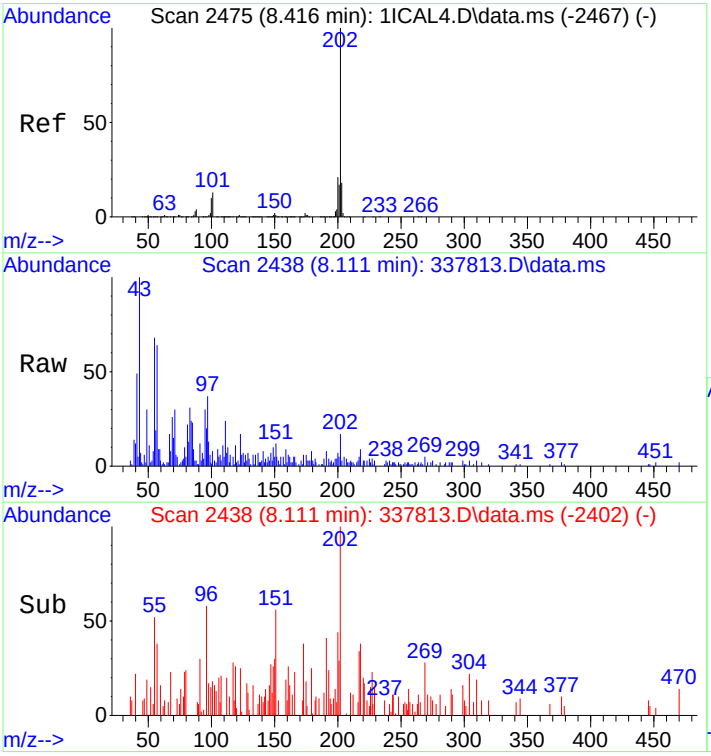


#73
Dinbtylphthal
Concen: 0.47 ug/mL
RT: 7.671 min Scan# 2283
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion:149 Resp: 22238

Ion	Ratio	Lower	Upper
149	100		
150	8.3	0.0	39.4
104	2.7	0.0	33.5

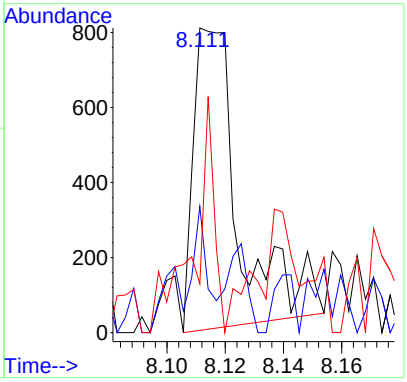


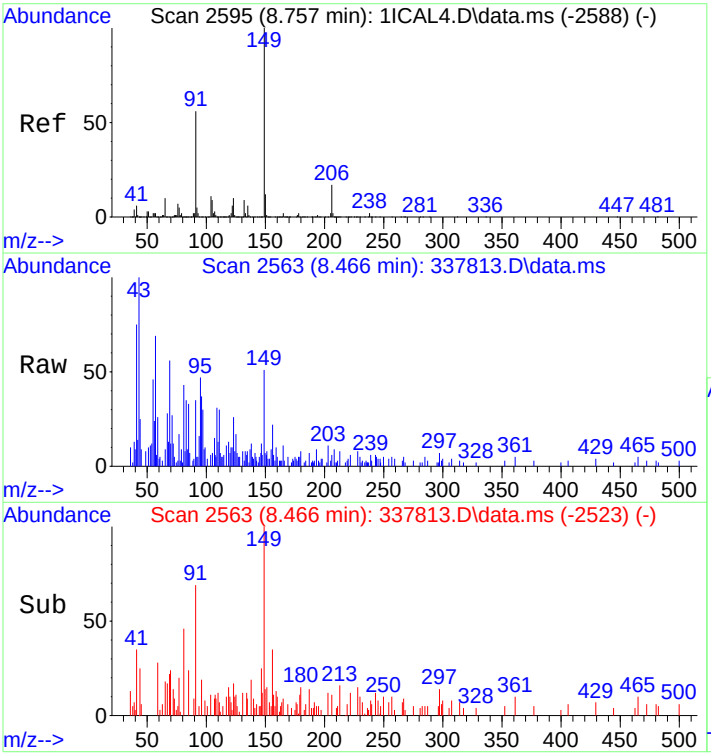


#77
Pyrene
Concen: 0.02 ug/mL
RT: 8.111 min Scan# 2438
Delta R.T. 0.003 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion:202 Resp: 877

Ion	Ratio	Lower	Upper
202	100		
200	34.4	0.0	50.3
203	0.0	0.0	48.5

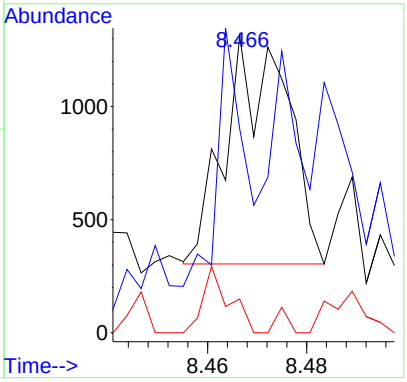


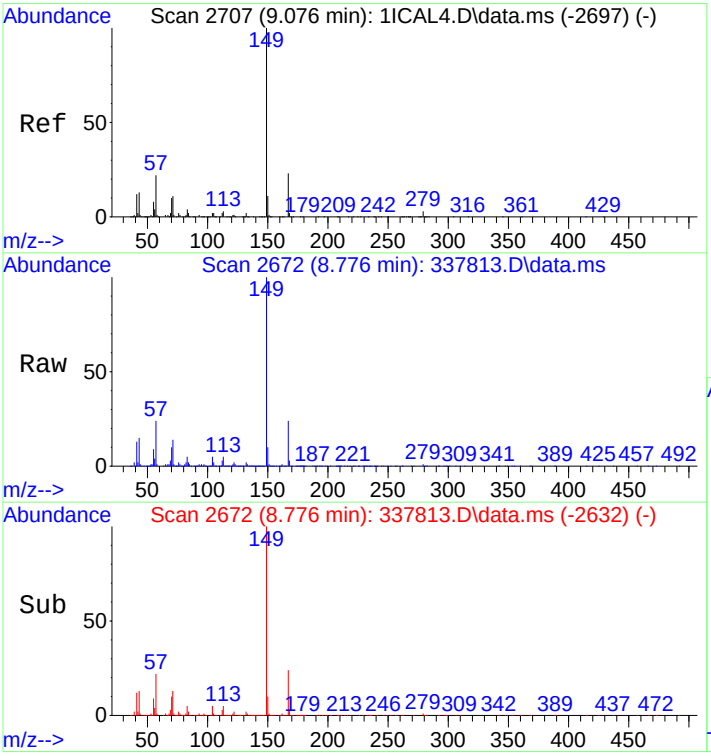


#79
Btylbzylphth
Concen: 0.08 ug/mL
RT: 8.466 min Scan# 2563
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion:149 Resp: 875

Ion	Ratio	Lower	Upper
149	100		
91	58.5	26.8	86.8
206	12.5	0.0	42.4

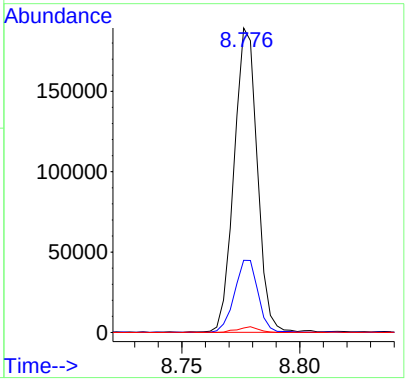


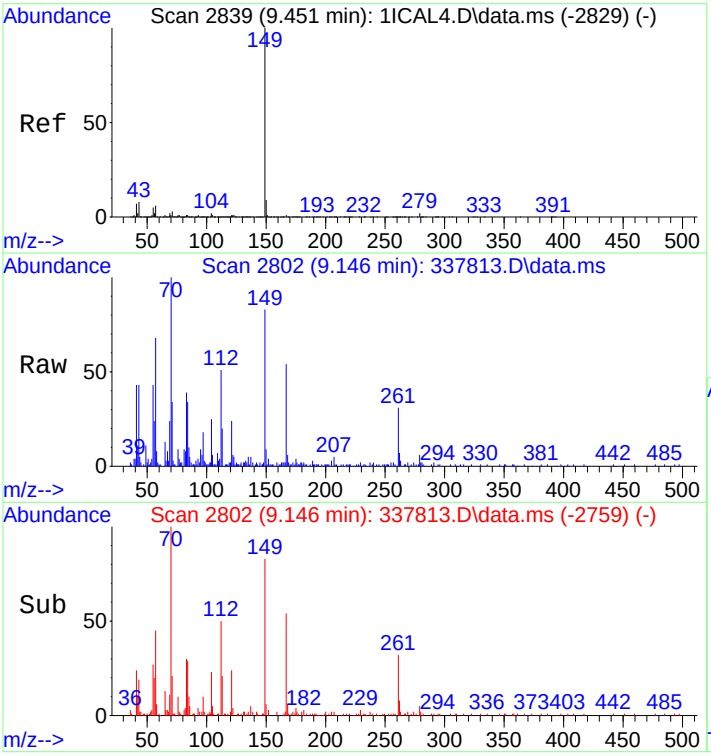


#84
bis2Ethlhxlph
Concen: 8.62 ug/mL
RT: 8.776 min Scan# 2672
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion:149 Resp: 129413

Ion	Ratio	Lower	Upper
149	100		
167	23.7	0.0	55.0
279	1.5	0.0	31.6

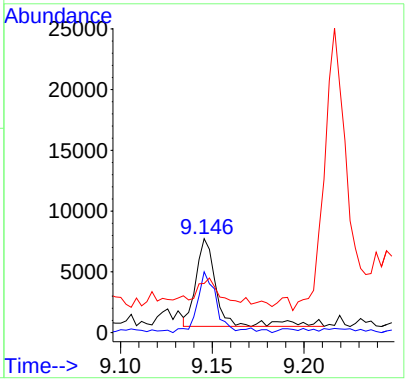


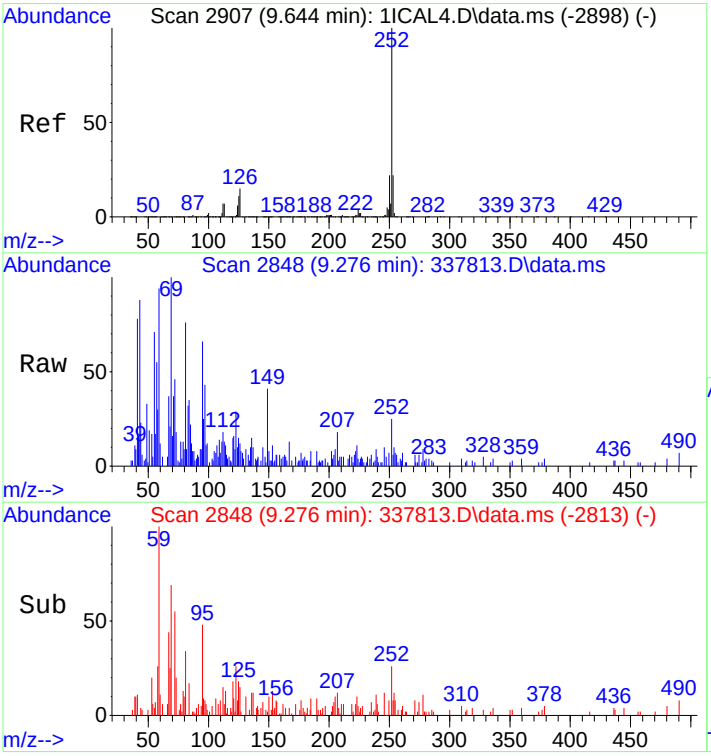


#85
Dinoctylphthl
Concen: 0.21 ug/mL
RT: 9.146 min Scan# 2802
Delta R.T. 0.023 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion:149 Resp: 5796

Ion	Ratio	Lower	Upper
149	100		
167	64.8	0.0	31.2#
43	14.0	0.0	28.8

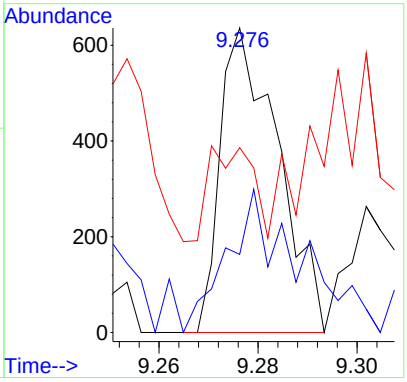


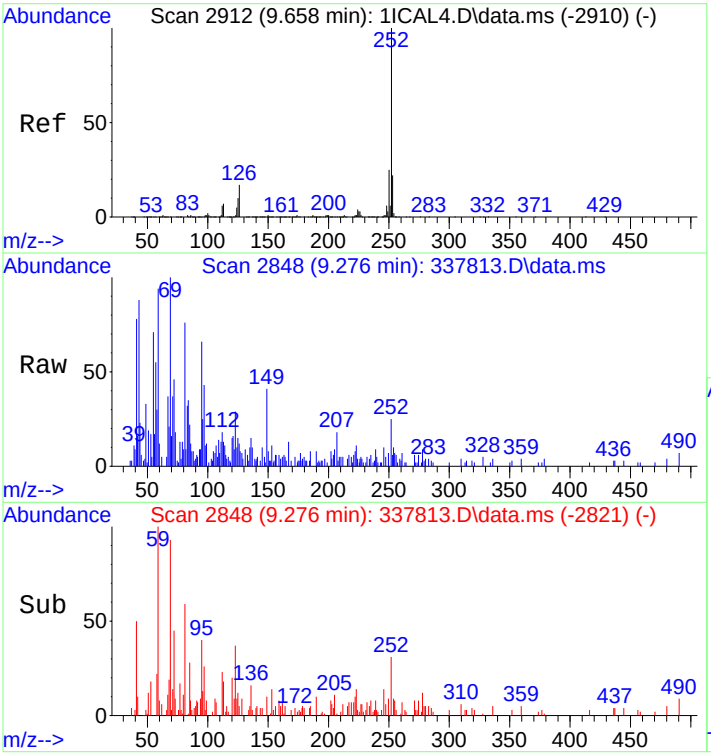


#87
B[b]fluoranth
Concen: 0.03 ug/mL
RT: 9.276 min Scan# 2848
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion:252 Resp: 516

Ion	Ratio	Lower	Upper
252	100		
253	25.6	0.0	52.8
125	30.8	0.0	46.4

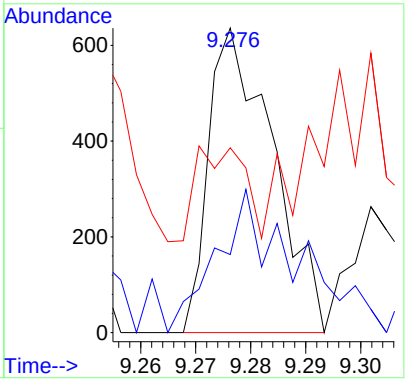




#88
B[k]fluoranth
Concen: 0.03 ug/mL
RT: 9.276 min Scan# 2848
Delta R.T. -0.014 min
Lab File: 337813.D
Acq: 22 Aug 13 5:52 pm

Tgt Ion:252 Resp: 516

Ion	Ratio	Lower	Upper
252	100		
253	15.4	0.0	52.3
125	30.5	0.0	45.8



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337815.D Vial: 17
Acq On : 22 Aug 2013 18:10 Operator: RPN
Sample : 97038,337815, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 11:46:36 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 11:25:52 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

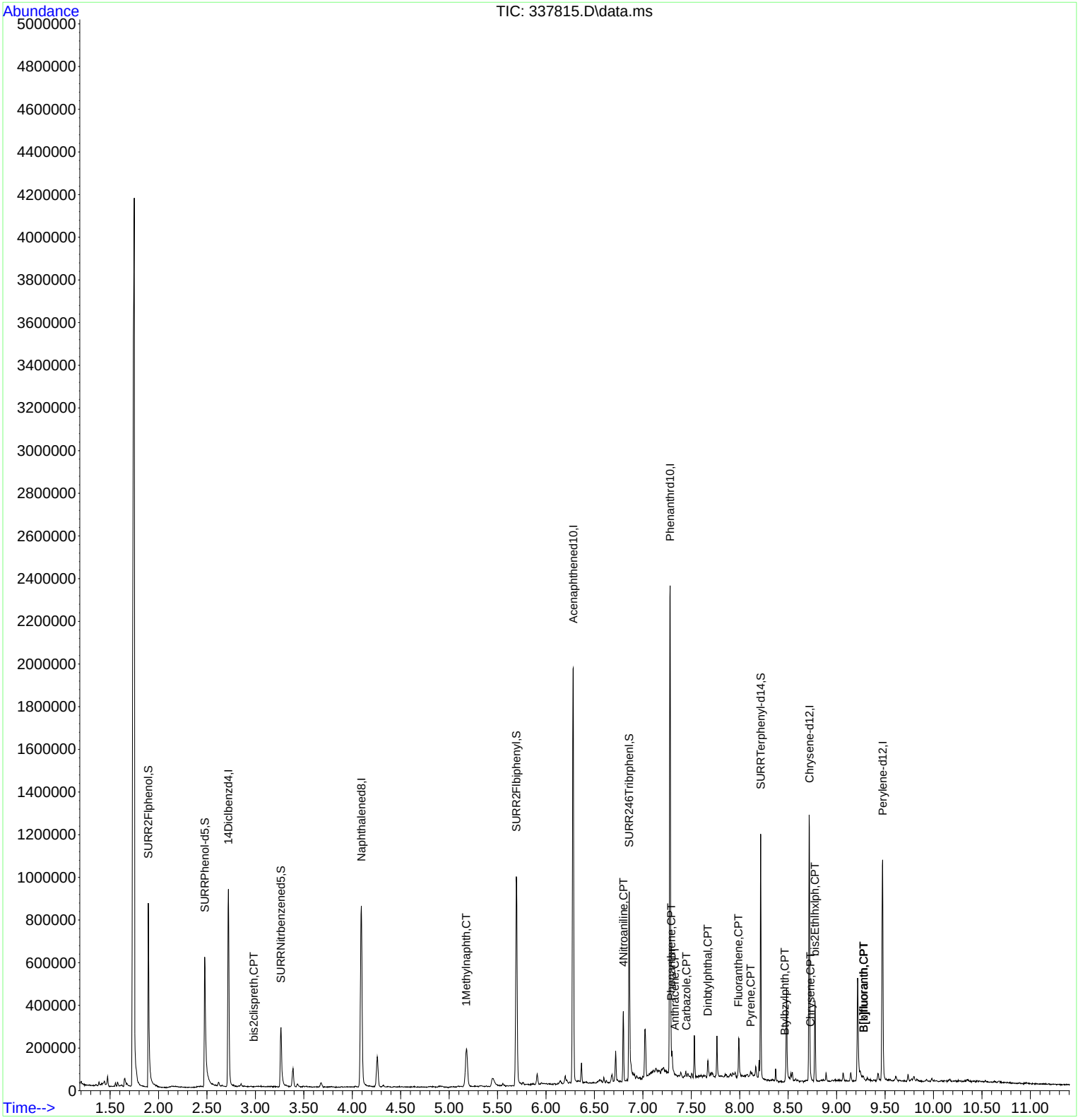
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	155425	20.00	ug/mL	0.00
21) Naphthalened8	4.094	136	567088	20.00	ug/mL	0.00
39) Acenaphthened10	6.281	164	467284	20.00	ug/mL	0.00
63) Phenanthrd10	7.282	188	666944	20.00	ug/mL	0.00
75) Chrysene-d12	8.719	240	311528	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	295266	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.894	112	239821	56.61	%REC	0.01
Spiked Amount 100.000	Range 20 - 110		Recovery = 56.61%			
7) SURRPhenol-d5	2.477	99	280629	62.10	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 62.10%			
22) SURRNitrbenzened5	3.264	82	105962	64.47	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 64.47%			
44) SURR2Flbiphenyl	5.693	172	394854	64.27	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 64.27%			
62) SURR246Tribrphenl	6.858	330	97959	63.35	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 63.35%			
78) SURRTerphenyl-d14	8.216	244	218608	70.37	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 70.37%			
Target Compounds						Qvalue
14) bis2clispreth	2.982	45	3047	0.1925	ug/mL	61
38) 1Methylnaphth	5.176	141	587	0.0239	ug/mL#	1
48) Dimethylphtha	6.148	163	723	Below Cal		74
60) Diethylphthal	6.685	149	3505	Below Cal		79
61) 4Nitroaniline	6.799	138	531	0.0844	ug/mL#	53
65) Ntrsdiphlam&Diphlam	6.722	169	183	Below Cal		87
66) Azobenz&12Diphlhyd	6.836	182	1280	Below Cal	#	1
70) Phenanthrene	7.293	178	4945	0.1447	ug/mL	88
71) Anthracene	7.330	178	827	0.0233	ug/mL	68
72) Carbazole	7.449	167	1238	0.0369	ug/mL	86
73) Dinbtylphthal	7.671	149	18229	0.4000	ug/mL	98
74) Fluoranthene	7.986	202	8029	0.1999	ug/mL	90
77) Pyrene	8.111	202	6736	0.1718	ug/mL	91
79) Btylbzylphth	8.467	149	1009	0.0919	ug/mL	86
83) Chrysene	8.731	228	2768	0.1686	ug/mL	83
84) bis2Ethlhxlph	8.776	149	88824	6.0696	ug/mL	95
87) B[b]fluoranth	9.279	252	2312	0.1376	ug/mL	71
88) B[k]fluoranth	9.279	252	1652	0.1066	ug/mL	88

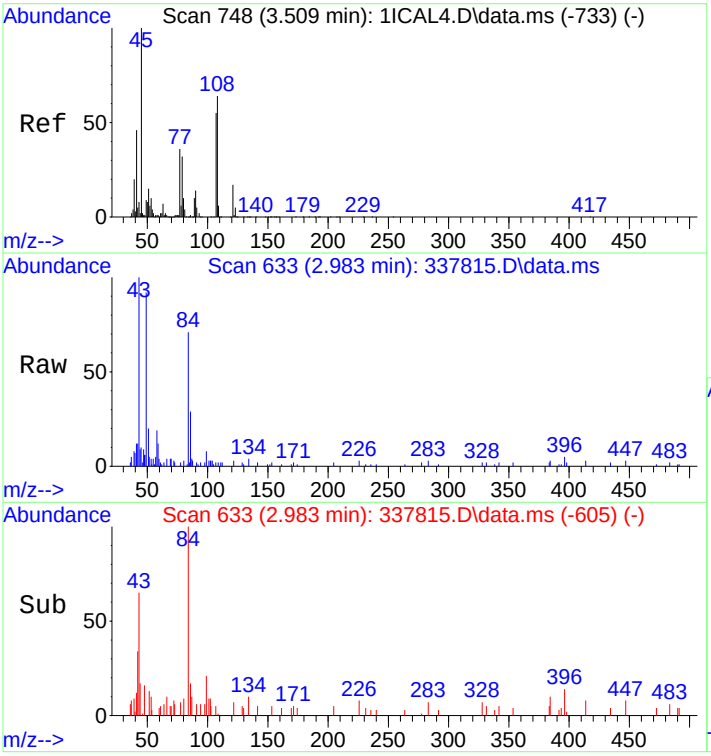
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337815.D Vial: 17
Acq On : 22 Aug 2013 18:10 Operator: RPN
Sample : 97038,337815, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 11:46:36 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 11:25:52 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

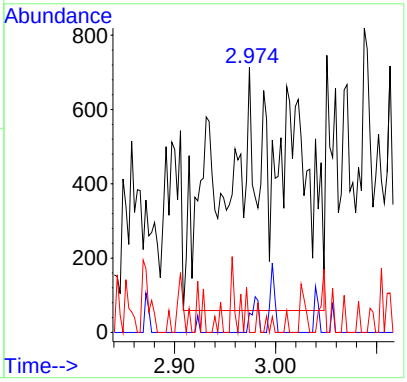


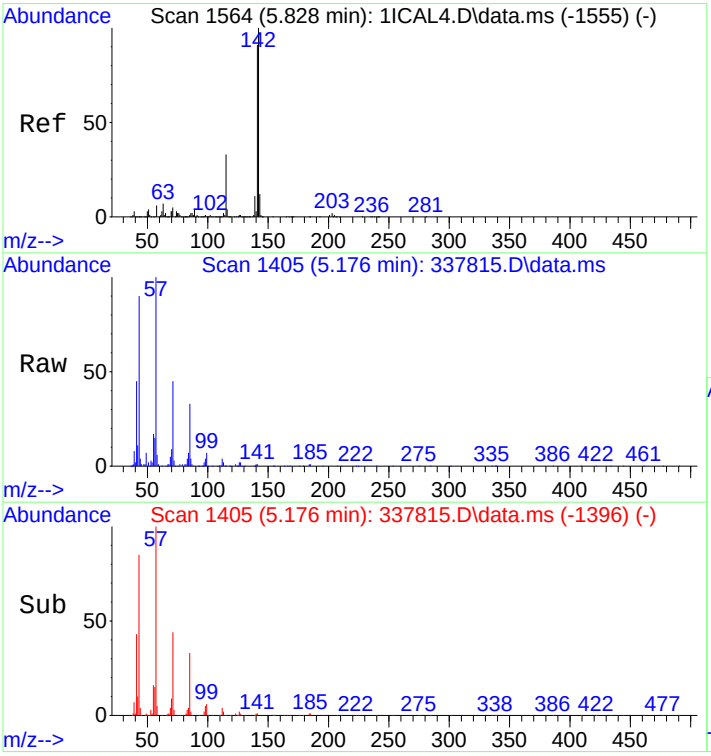


#14
bis2clispreth
Concen: 0.19 ug/mL
RT: 2.982 min Scan# 633
Delta R.T. -0.036 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion: 45 Resp: 3047

Ion	Ratio	Lower	Upper
45	100		
121	31.2	0.0	45.7
77	3.6	3.0	43.0

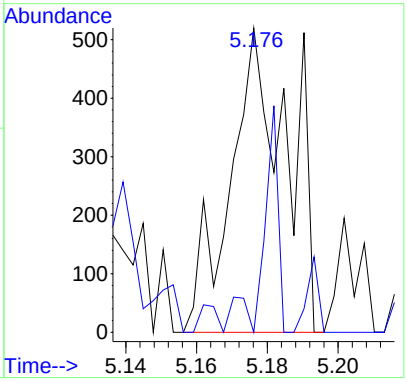


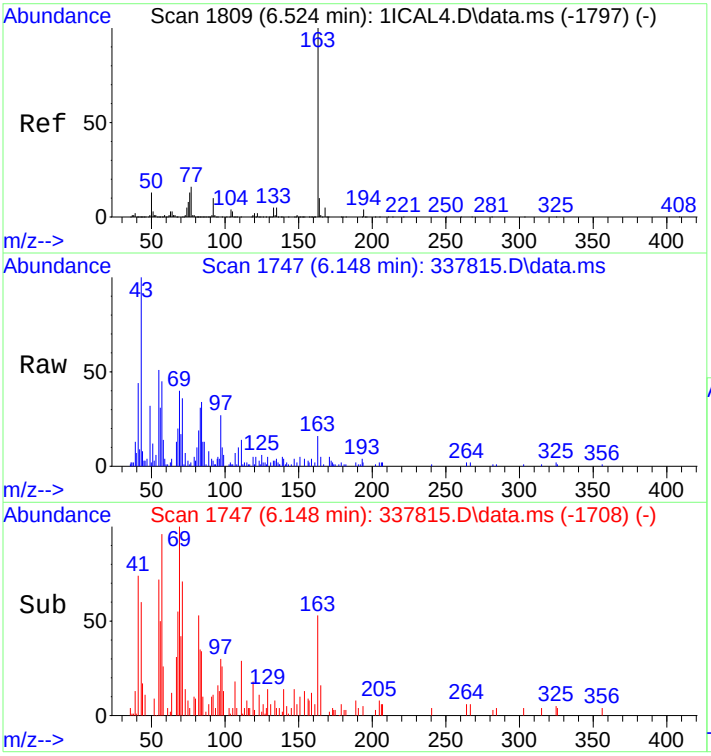


#38
1Methylnaphth
Concen: 0.02 ug/mL
RT: 5.176 min Scan# 1405
Delta R.T. -0.094 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:141 Resp: 587

Ion	Ratio	Lower	Upper
141	100		
142	0.0	83.3	143.3#

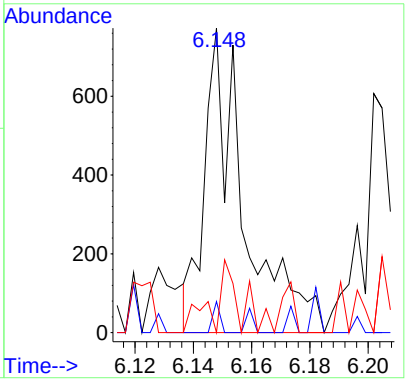


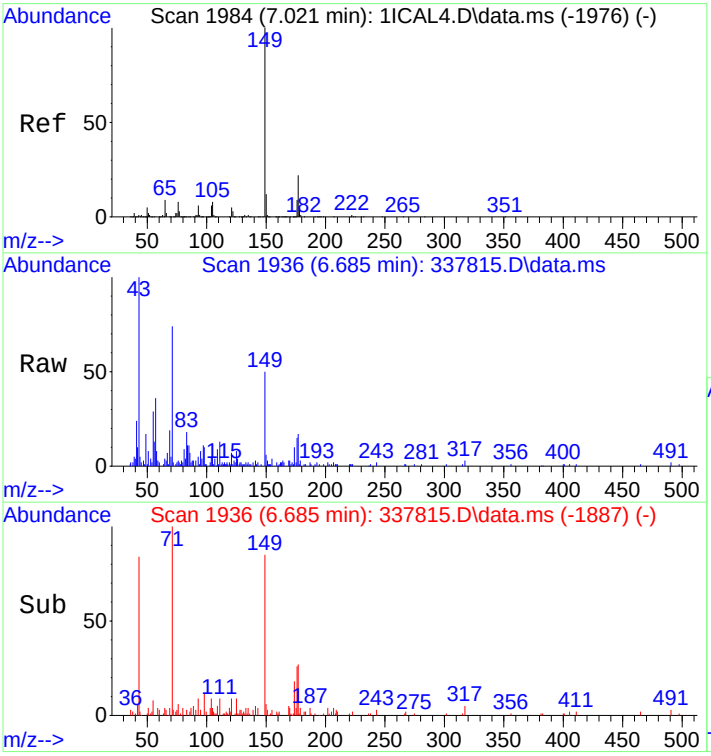


#48
Dimethylphtha
Concen: Below ug/mL
RT: 6.148 min Scan# 1747
Delta R.T. -0.009 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:163 Resp: 723

Ion	Ratio	Lower	Upper
163	100		
194	10.2	0.0	33.1
164	0.0	0.0	40.2

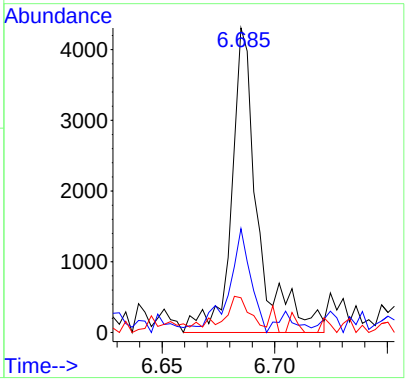


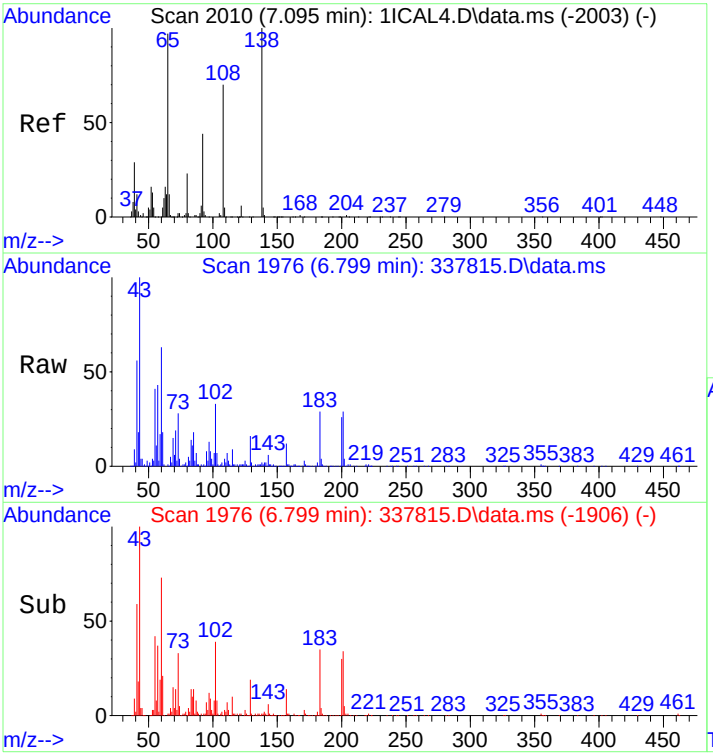


#60
Diethylphthal
Concen: Below ug/mL
RT: 6.685 min Scan# 1936
Delta R.T. -0.006 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:149 Resp: 3505

Ion	Ratio	Lower	Upper
149	100		
177	32.4	0.0	49.9
150	8.5	0.0	42.4

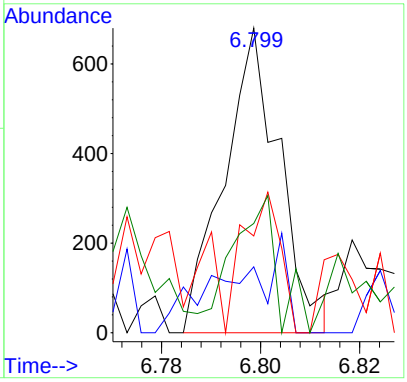


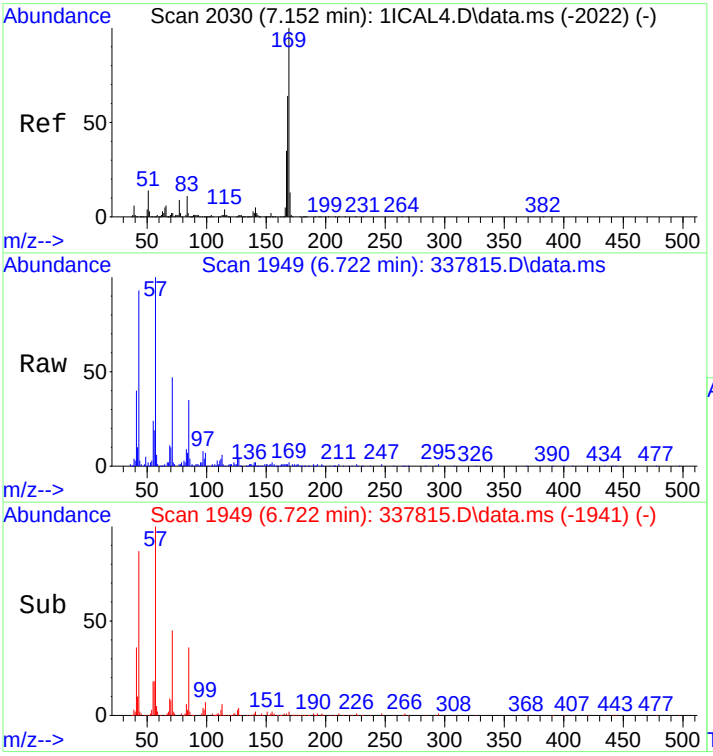


#61
4Nitroaniline
Concen: 0.08 ug/mL
RT: 6.799 min Scan# 1976
Delta R.T. 0.048 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:138 Resp: 531

Ion	Ratio	Lower	Upper
138	100		
92	6.6	6.3	66.3
108	23.2	17.2	77.2
65	28.8	42.4	102.4#

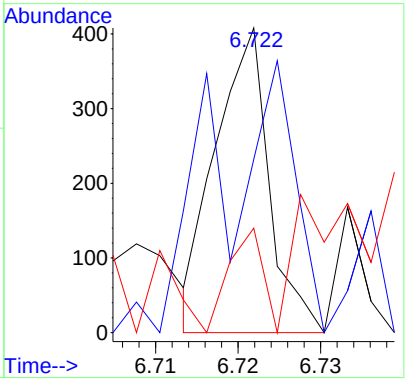


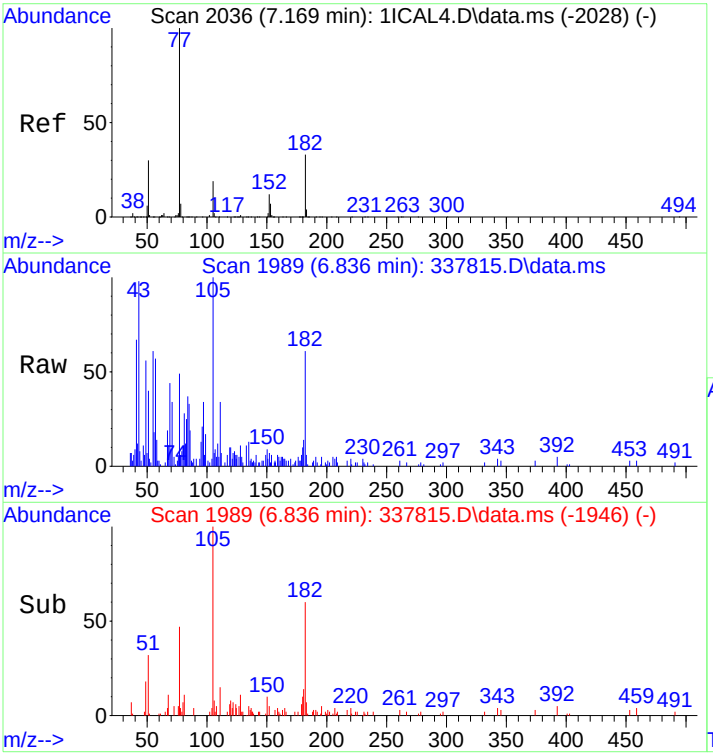


#65
Ntrsdiphlam&Diphlam
Concen: Below ug/mL
RT: 6.722 min Scan# 1949
Delta R.T. -0.091 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:169 Resp: 183

Ion	Ratio	Lower	Upper
169	100		
168	56.9	34.5	94.5
167	23.5	4.6	64.6

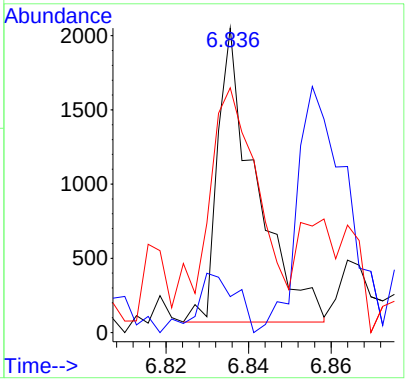


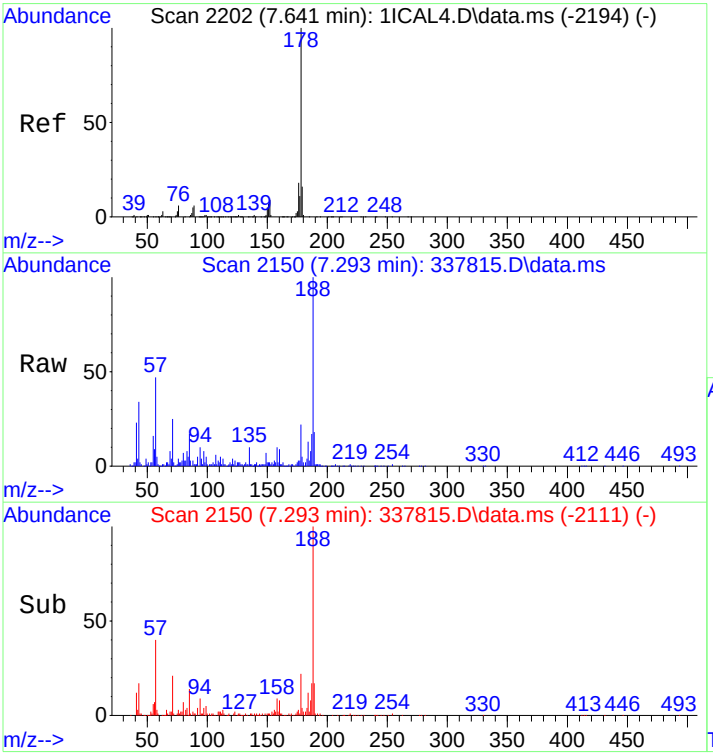


#66
Azobenz&12Diphlhyd
Concen: Below ug/mL
RT: 6.836 min Scan# 1989
Delta R.T. 0.008 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:182 Resp: 1280

Ion	Ratio	Lower	Upper
182	100		
152	9.1	9.8	69.8#
77	59.8	337.4	397.4#

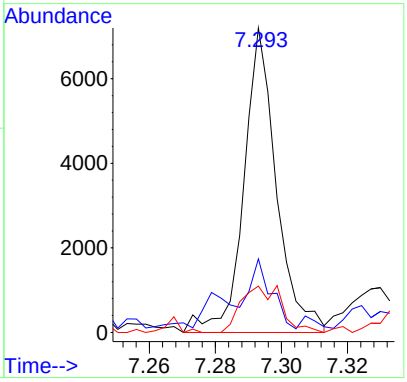


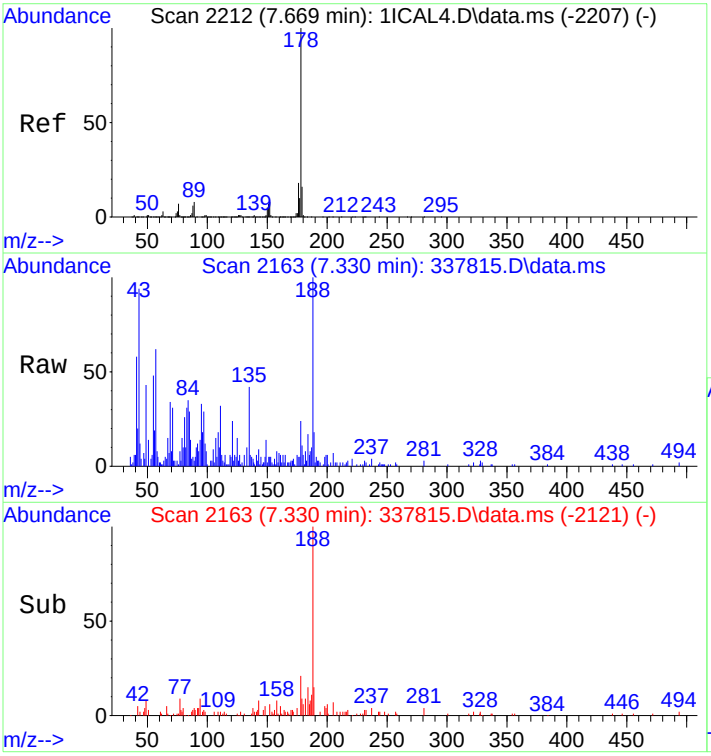


#70
Phenanthrene
Concen: 0.14 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.003 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:178 Resp: 4945

Ion	Ratio	Lower	Upper
178	100		
179	22.3	0.0	45.5
176	15.2	0.0	49.4

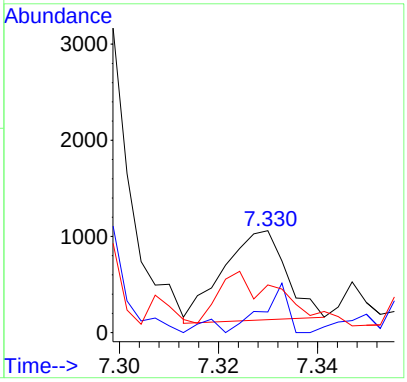


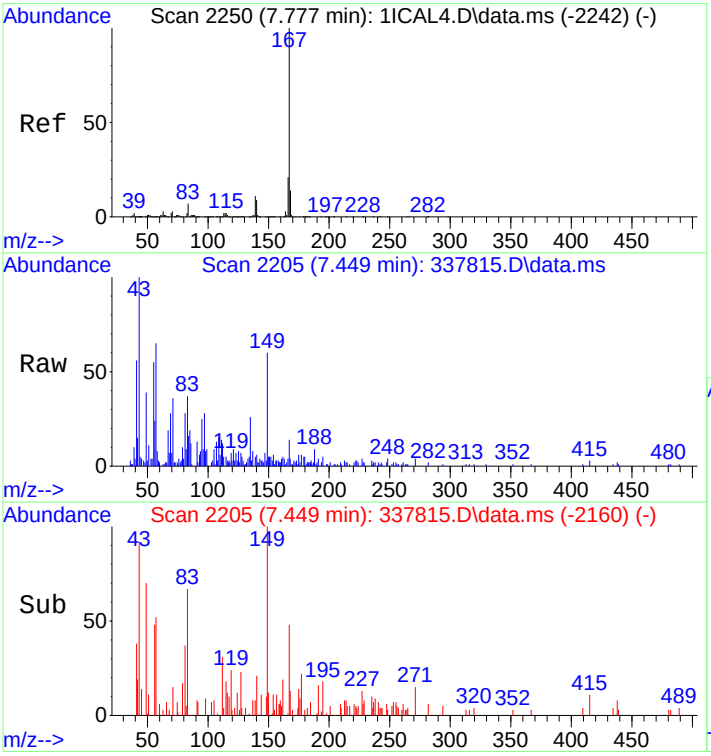


#71
Anthracene
Concen: 0.02 ug/mL
RT: 7.330 min Scan# 2163
Delta R.T. 0.006 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:178 Resp: 827

Ion	Ratio	Lower	Upper
178	100		
176	23.9	0.0	49.2
179	40.0	0.0	45.7

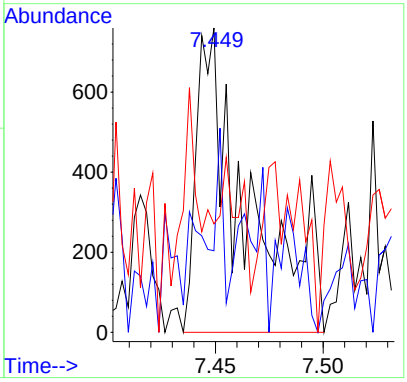


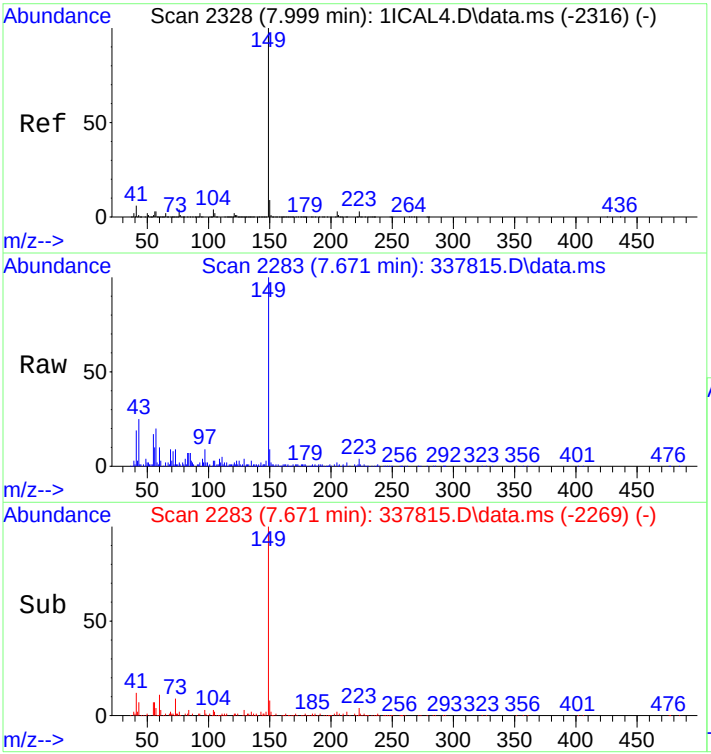


#72
Carbazole
Concen: 0.04 ug/mL
RT: 7.449 min Scan# 2205
Delta R.T. 0.014 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:167 Resp: 1238

Ion	Ratio	Lower	Upper
167	100		
166	17.9	0.0	50.2
139	0.4	0.0	41.6

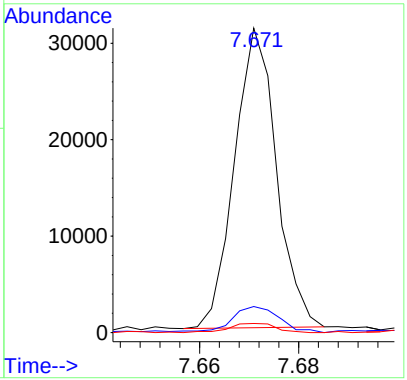


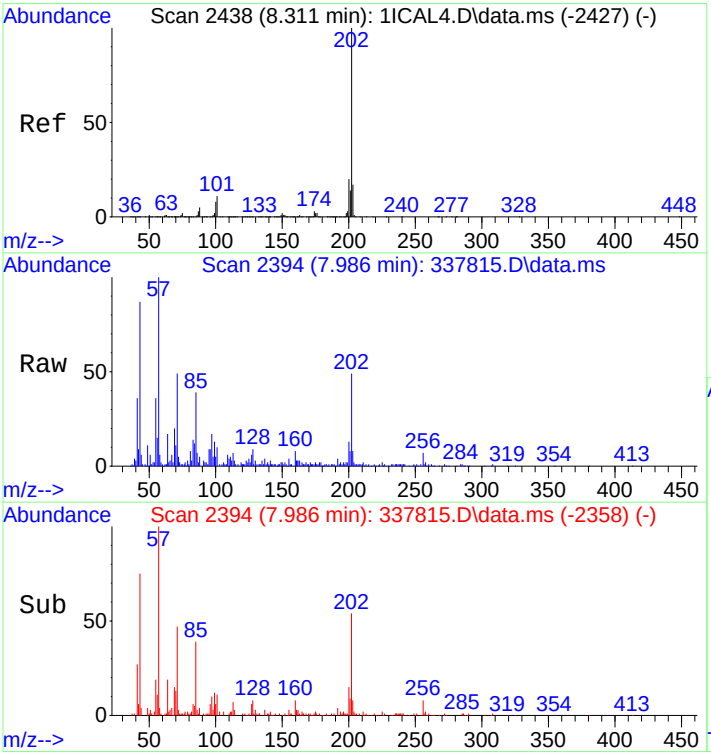


#73
Dinbtylphthal
Concen: 0.40 ug/mL
RT: 7.671 min Scan# 2283
Delta R.T. -0.000 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:149 Resp: 18229

Ion	Ratio	Lower	Upper
149	100		
150	8.7	0.0	39.4
104	3.0	0.0	33.5

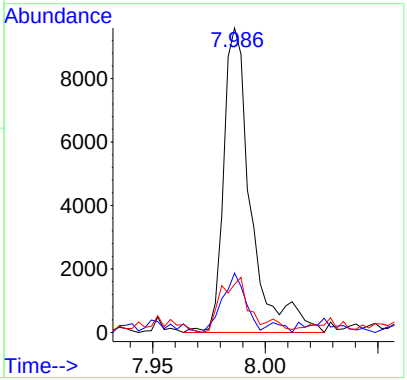


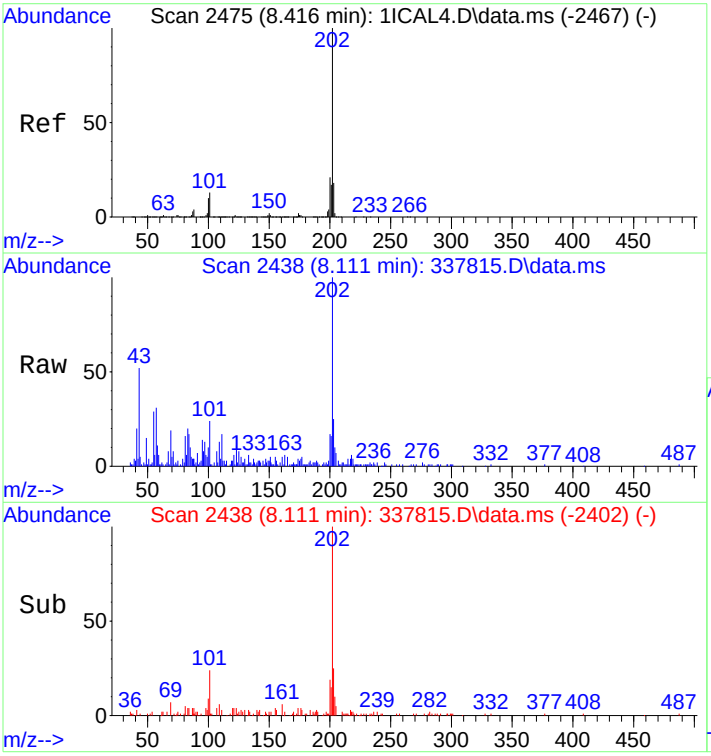


#74
Fluoranthene
Concen: 0.20 ug/mL
RT: 7.986 min Scan# 2394
Delta R.T. 0.003 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:202 Resp: 8029

Ion	Ratio	Lower	Upper
202	100		
101	16.7	0.0	42.2
203	13.2	0.0	37.2

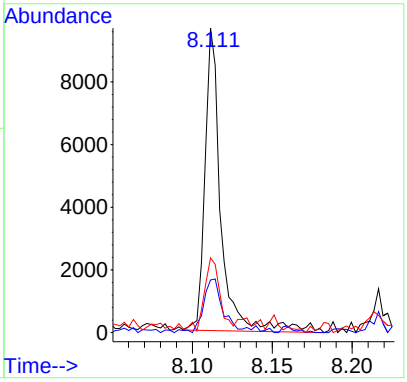


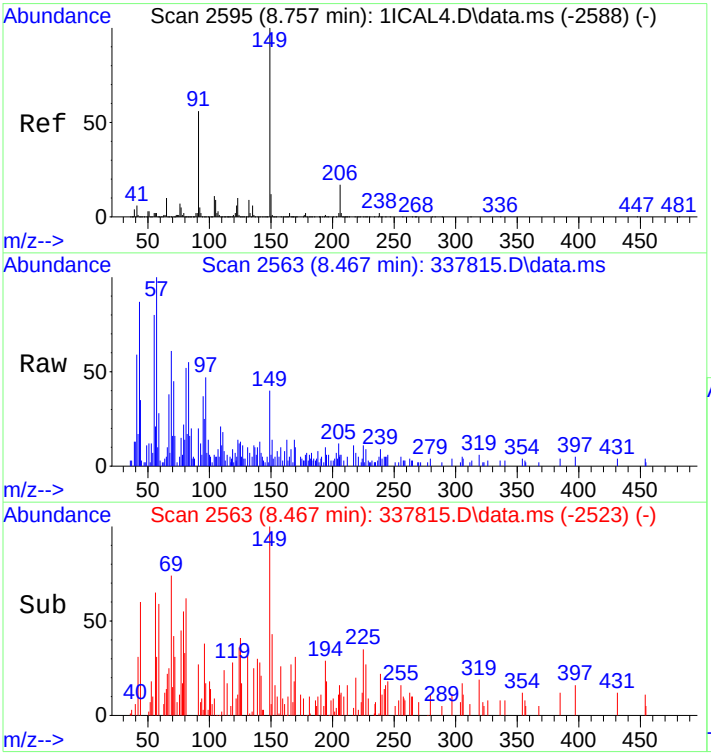


#77
Pyrene
Concen: 0.17 ug/mL
RT: 8.111 min Scan# 2438
Delta R.T. 0.003 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:202 Resp: 6736

Ion	Ratio	Lower	Upper
202	100		
200	17.3	0.0	50.3
203	23.3	0.0	48.5

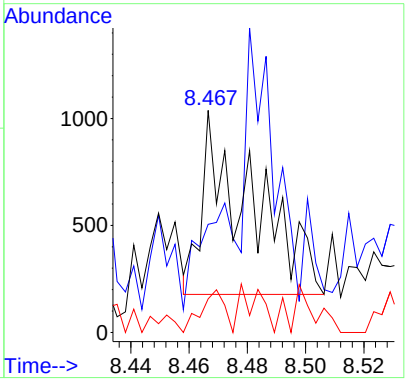


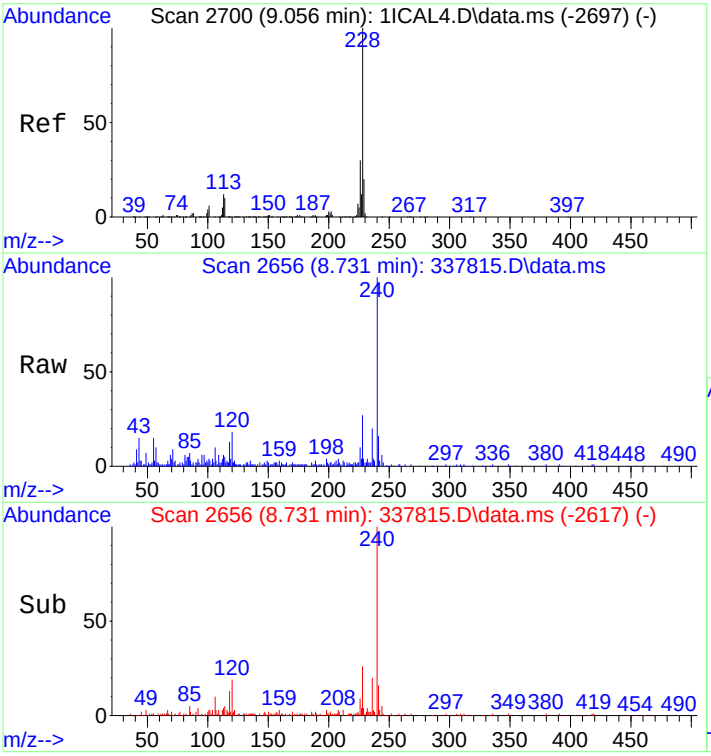


#79
Btylbzylphth
Concen: 0.09 ug/mL
RT: 8.467 min Scan# 2563
Delta R.T. -0.000 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:149 Resp: 1009

Ion	Ratio	Lower	Upper
149	100		
91	46.4	26.8	86.8
206	18.3	0.0	42.4

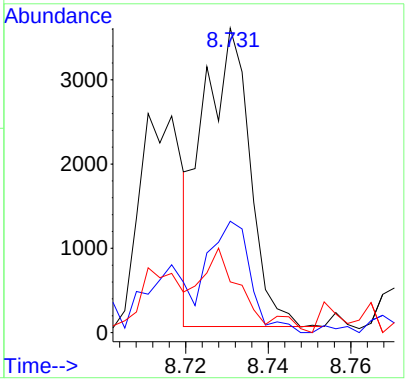


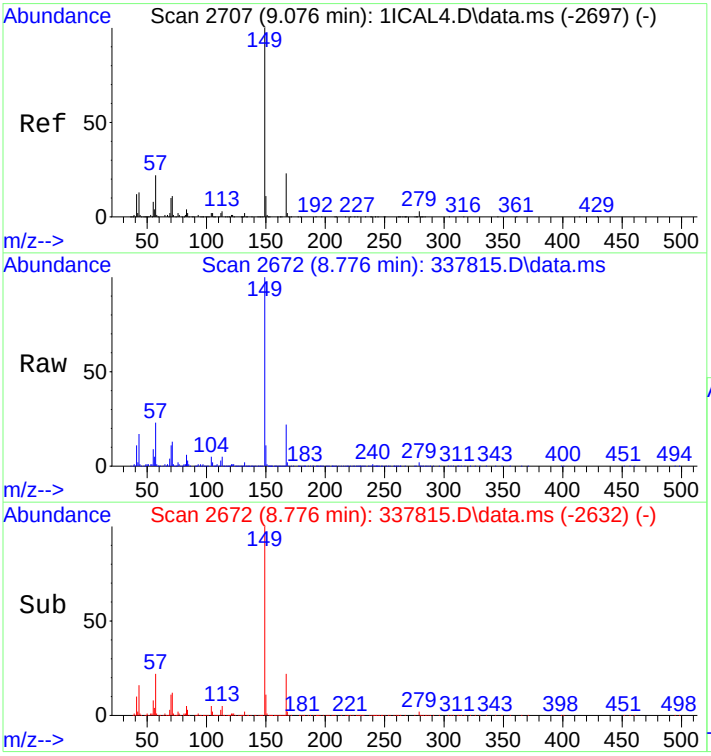


#83
Chrysene
Concen: 0.17 ug/mL
RT: 8.731 min Scan# 2656
Delta R.T. -0.003 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:228 Resp: 2768

Ion	Ratio	Lower	Upper
228	100		
226	35.0	0.2	60.2
229	6.8	0.0	50.3

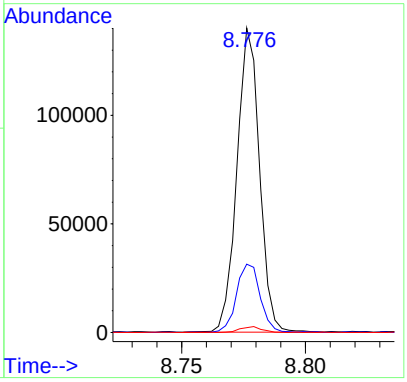


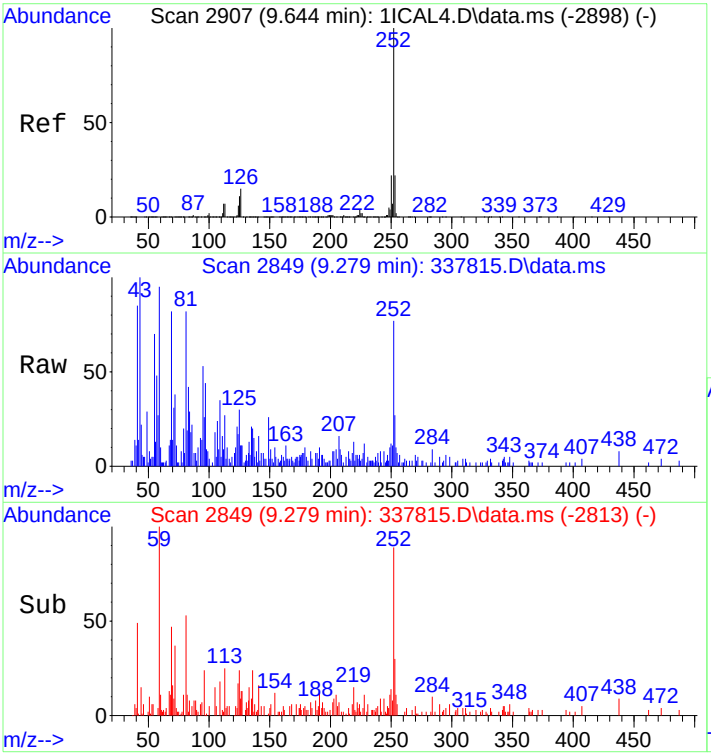


#84
bis2Ethlhxlph
Concen: 6.07 ug/mL
RT: 8.776 min Scan# 2672
Delta R.T. -0.000 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:149 Resp: 88824

Ion	Ratio	Lower	Upper
149	100		
167	22.4	0.0	55.0
279	1.6	0.0	31.6

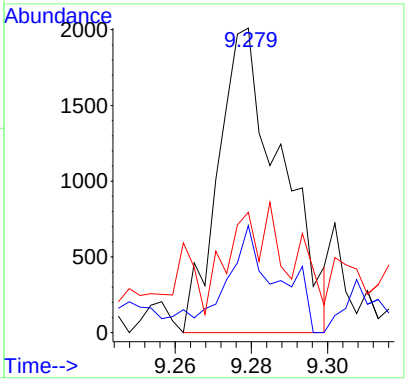


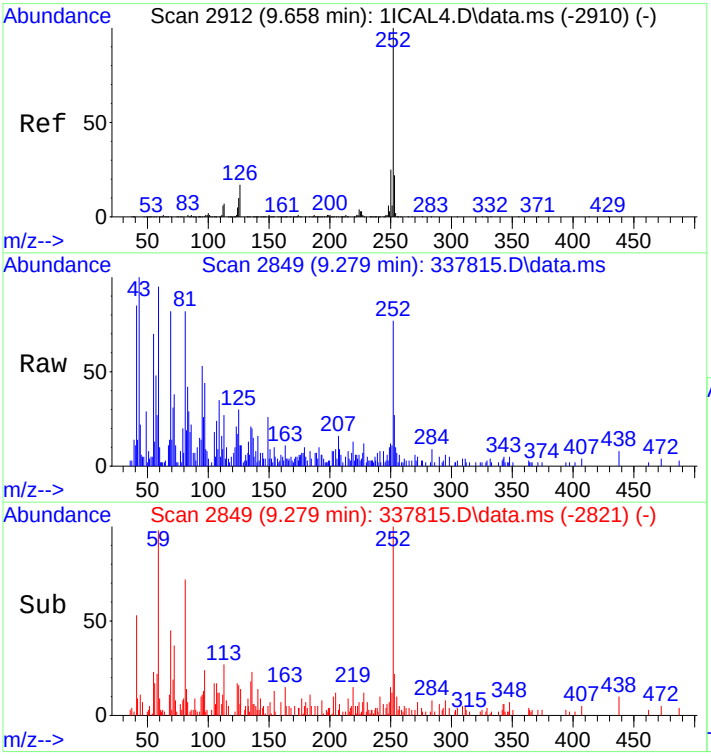


#87
B[b]fluoranth
Concen: 0.14 ug/mL
RT: 9.279 min Scan# 2849
Delta R.T. 0.003 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:252 Resp: 2312

Ion	Ratio	Lower	Upper
252	100		
253	35.2	0.0	52.8
125	30.4	0.0	46.4

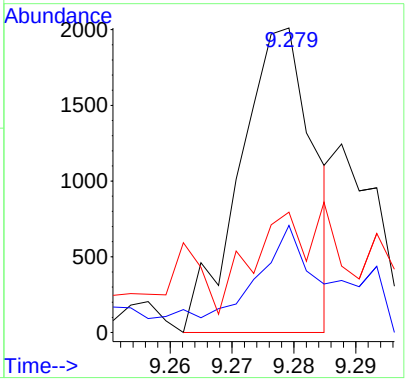




#88
B[k]fluoranth
Concen: 0.11 ug/mL
RT: 9.279 min Scan# 2849
Delta R.T. -0.011 min
Lab File: 337815.D
Acq: 22 Aug 13 6:10 pm

Tgt Ion:252 Resp: 1652

Ion	Ratio	Lower	Upper
252	100		
253	27.6	0.0	52.3
125	10.0	0.0	45.8



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337818.D Vial: 18
Acq On : 22 Aug 2013 18:29 Operator: RPN
Sample : 97038,337818, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:03:52 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

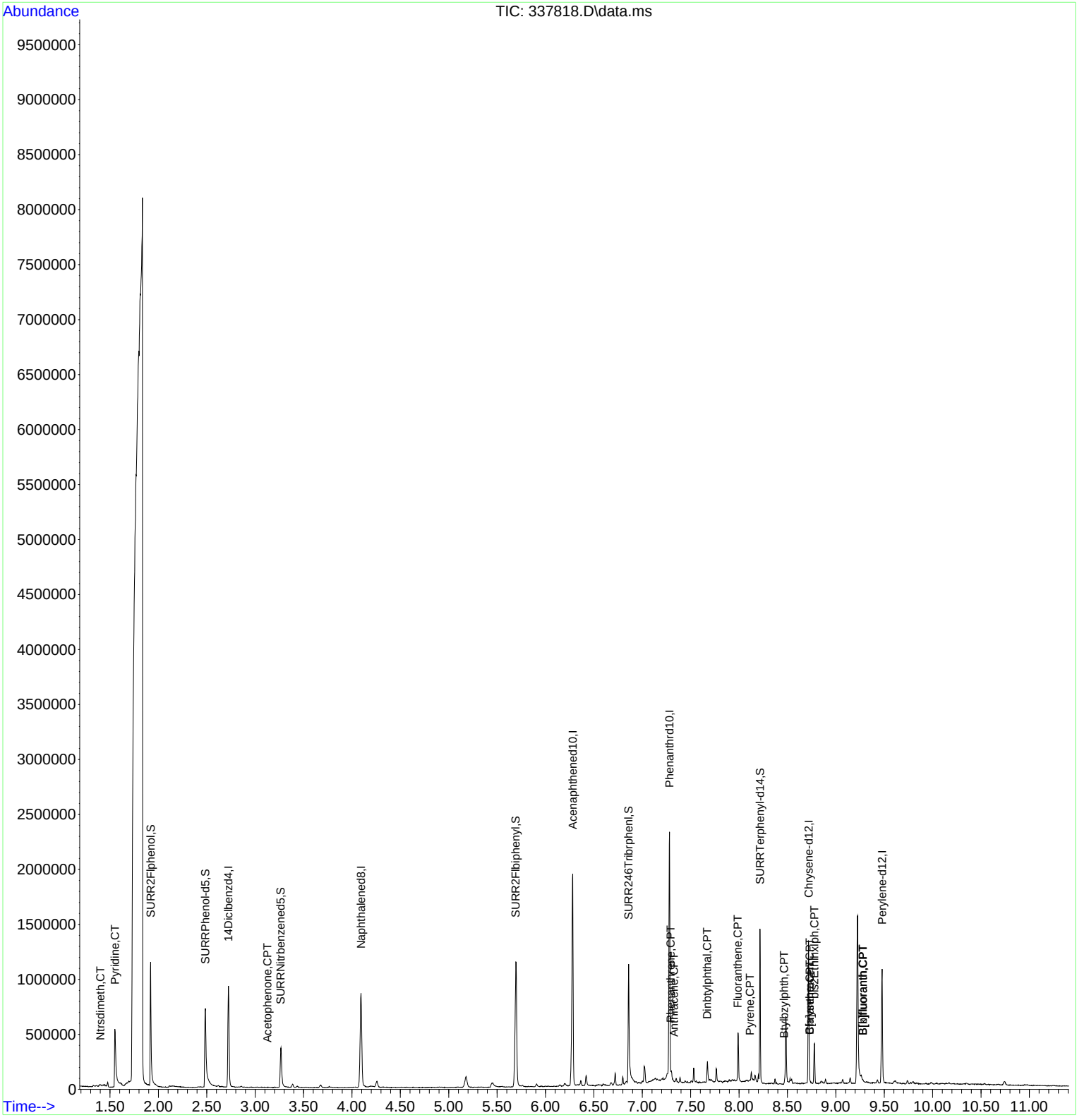
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.724	152	156775	20.00	ug/mL	0.00
21) Naphthalened8	4.094	136	575543	20.00	ug/mL	0.00
39) Acenaphthened10	6.282	164	481593	20.00	ug/mL	0.00
63) Phenanthrd10	7.282	188	699697	20.00	ug/mL	0.00
75) Chrysene-d12	8.719	240	309409	20.00	ug/mL	0.00
86) Perylene-d12	9.478	264	292702	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.920	112	286132	66.95	%REC	0.04
Spiked Amount 100.000	Range 20 - 110		Recovery = 66.95%			
7) SURRPhenol-d5	2.485	99	352549	77.34	%REC	0.01
Spiked Amount 100.000	Range 10 - 115		Recovery = 77.34%			
22) SURRNitrbenzened5	3.264	82	136022	81.54	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 81.54%			
44) SUR2Flbiphenyl	5.693	172	524506	82.84	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 82.84%			
62) SUR246Tribrphenl	6.858	330	140440	88.12	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 88.12%			
78) SURRTerphenyl-d14	8.217	244	272394	88.28	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 88.28%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.400	74	3822	0.6696	ug/mL#	1
3) Pyridine	1.551	79	3466	0.3236	ug/mL	96
17) Acetophenone	3.128	105	471	0.0386	ug/mL#	51
48) Dimethylphtha	6.151	163	759	Below Cal		92
60) Diethylphthal	6.685	149	2860	Below Cal		88
65) Ntrsdiphlam&Diphlam	6.838	169	727	Below Cal		78
66) Azobenz&12Diphlhyd	6.836	182	2525	Below Cal	#	1
70) Phenanthrene	7.293	178	3734	0.1042	ug/mL	99
71) Anthracene	7.327	178	761	0.0204	ug/mL	77
73) Dinbtylphthal	7.671	149	18289	0.3826	ug/mL	99
74) Fluoranthene	7.986	202	4260	0.1011	ug/mL	92
77) Pyrene	8.111	202	2707	0.0695	ug/mL	96
79) Btylbzylphth	8.467	149	2364	0.2168	ug/mL	78
82) B[a]anthracen	8.731	228	3751	0.2135	ug/mL	93
83) Chrysene	8.731	228	3777	0.2317	ug/mL	87
84) bis2Ethlhxlph	8.779	149	91103	6.2679	ug/mL	97
87) B[b]fluoranth	9.279	252	1623	0.0975	ug/mL	86
88) B[k]fluoranth	9.279	252	1048	0.0682	ug/mL	78

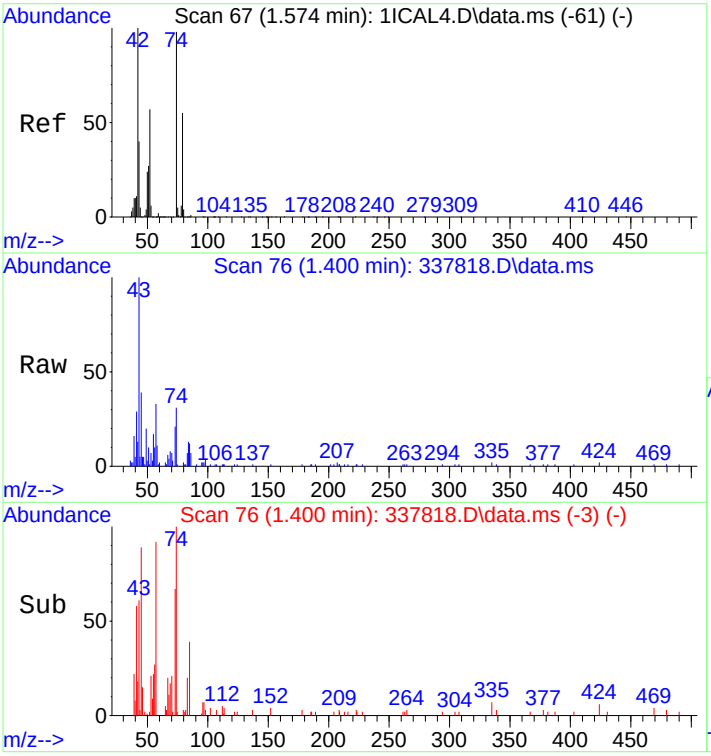
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337818.D Vial: 18
Acq On : 22 Aug 2013 18:29 Operator: RPN
Sample : 97038,337818, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:03:52 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

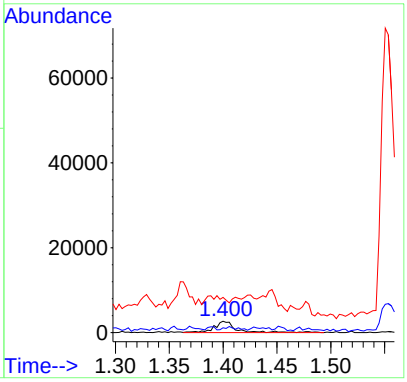


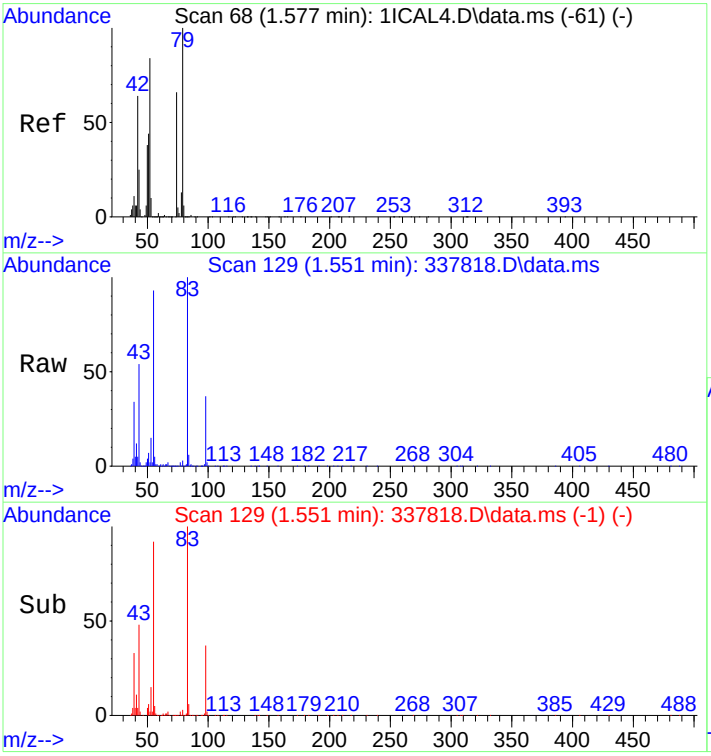


#2
Ntrsdimeth
Concen: 0.67 ug/mL
RT: 1.400 min Scan# 76
Delta R.T. 0.108 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion: 74 Resp: 3822

Ion	Ratio	Lower	Upper
74	100		
42	23.7	61.9	121.9#
43	168.8	11.4	71.4#

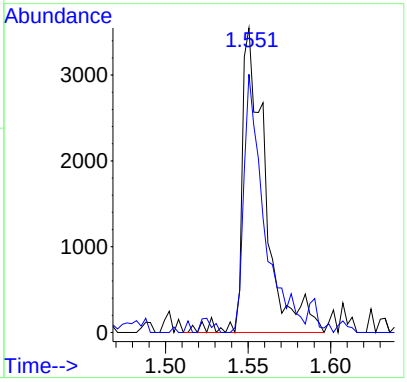


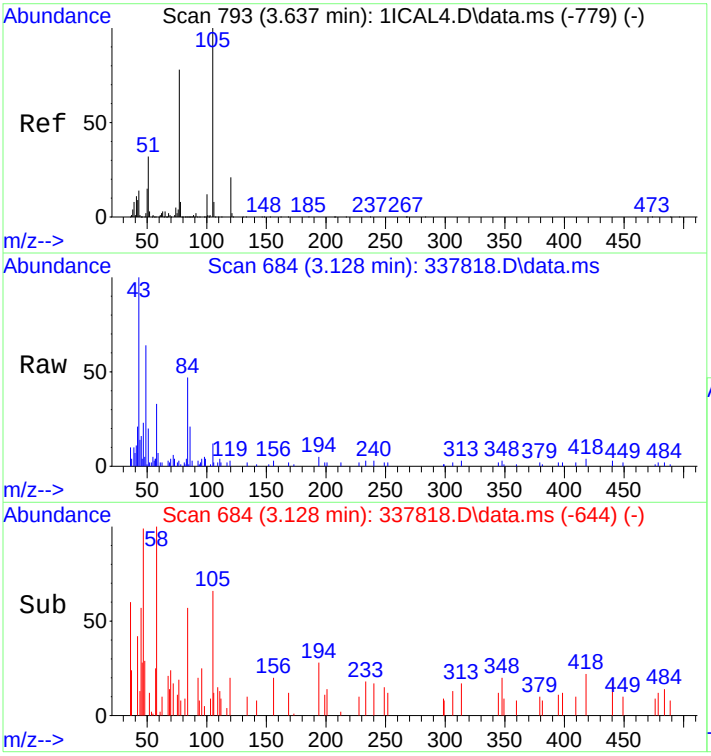


#3
Pyridine
Concen: 0.32 ug/mL
RT: 1.551 min Scan# 129
Delta R.T. 0.259 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion: 79 Resp: 3466

Ion	Ratio	Lower	Upper
79	100		
52	84.8	51.7	111.7

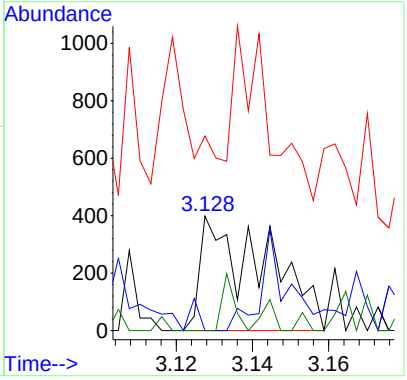


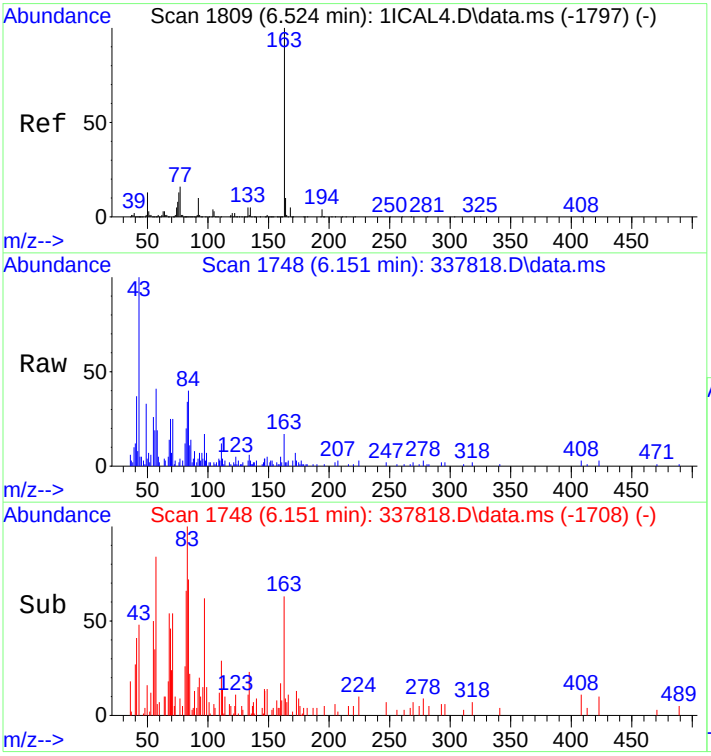


#17
Acetophenone
Concen: 0.04 ug/mL
RT: 3.128 min Scan# 684
Delta R.T. -0.000 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:105 Resp: 471

Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.0	30.0
51	0.0	0.0	57.8
120	0.0	0.2	40.2#

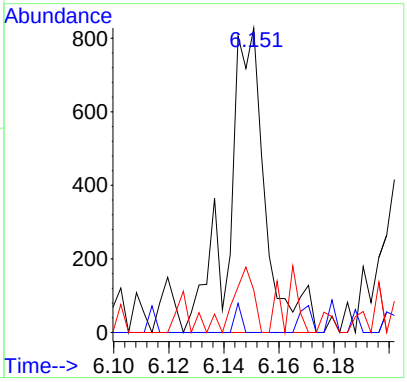


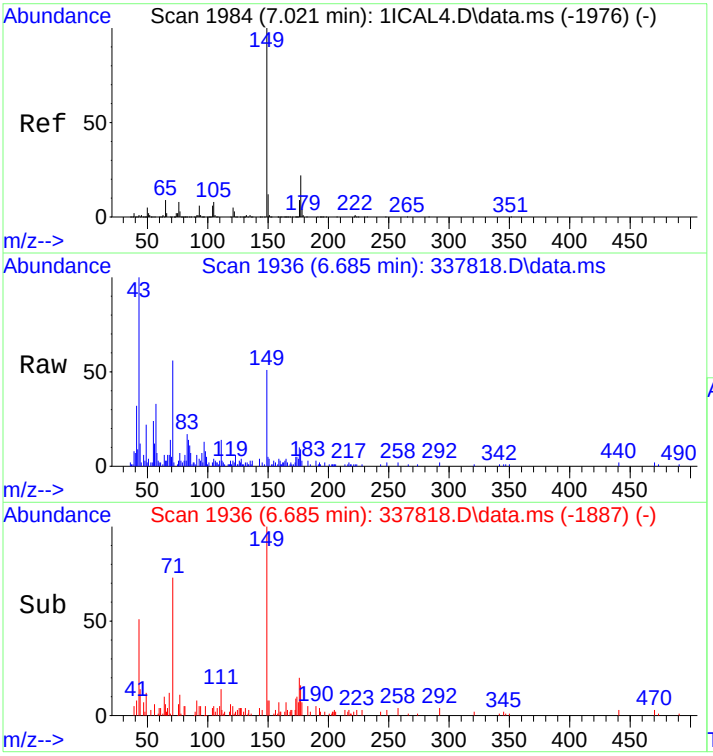


#48
Dimethylphtha
Concen: Below ug/mL
RT: 6.151 min Scan# 1748
Delta R.T. -0.006 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:163 Resp: 759

Ion	Ratio	Lower	Upper
163	100		
194	0.0	0.0	33.1
164	7.2	0.0	40.2

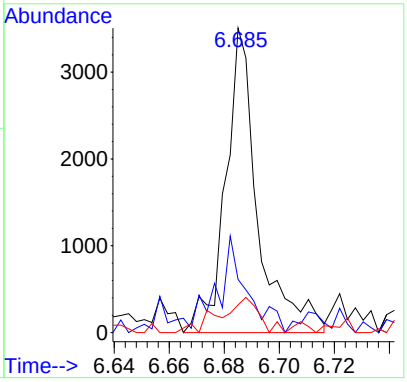


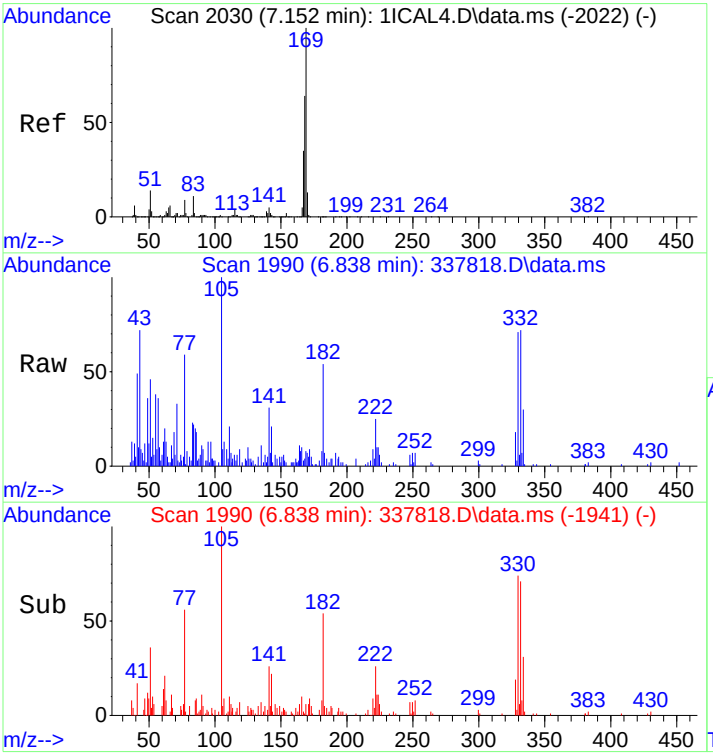


#60
Diethylphthal
Concen: Below ug/mL
RT: 6.685 min Scan# 1936
Delta R.T. -0.006 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:149 Resp: 2860

Ion	Ratio	Lower	Upper
149	100		
177	14.1	0.0	49.9
150	7.6	0.0	42.4

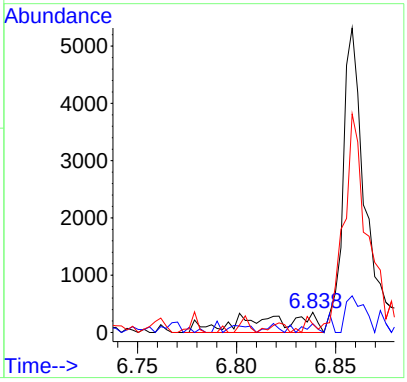


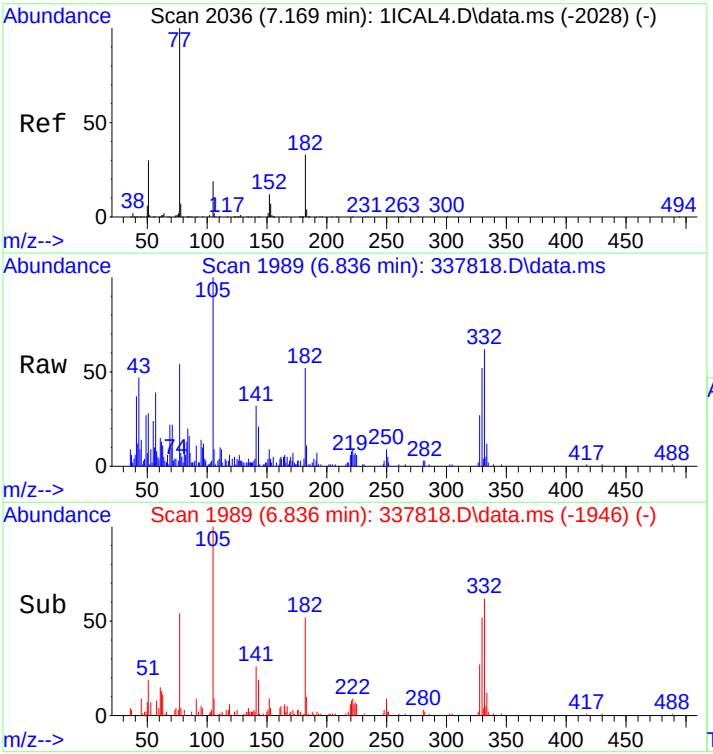


#65
Ntrsdiphlam&Diphlam
Concen: Below ug/mL
RT: 6.838 min Scan# 1990
Delta R.T. 0.026 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:169 Resp: 727

Ion	Ratio	Lower	Upper
169	100		
168	43.9	34.5	94.5
167	25.9	4.6	64.6

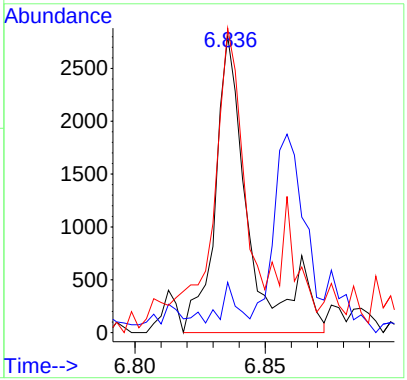


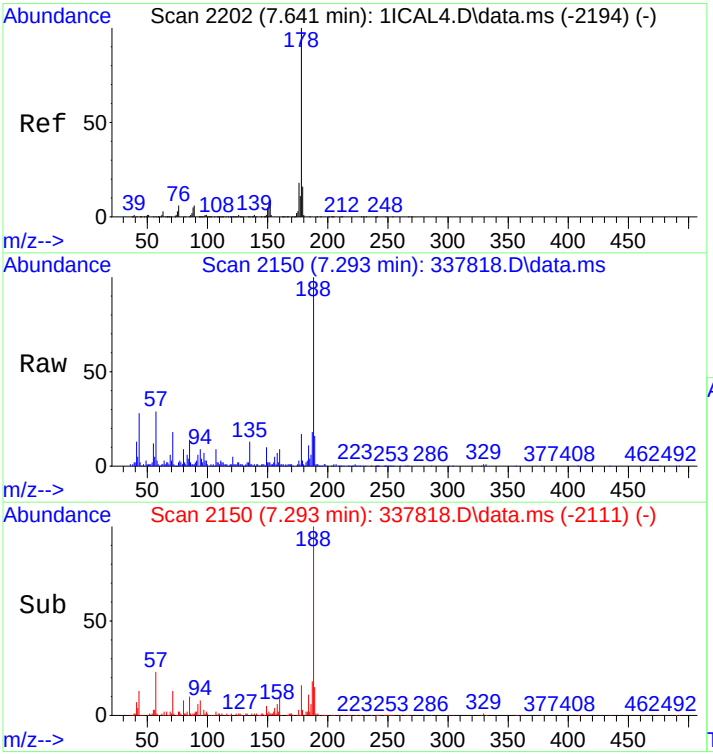


#66
Azobenz&12Diphlhyd
Concen: Below ug/mL
RT: 6.836 min Scan# 1989
Delta R.T. 0.008 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:182 Resp: 2525

Ion	Ratio	Lower	Upper
182	100		
152	12.3	9.8	69.8
77	92.4	337.4	397.4#

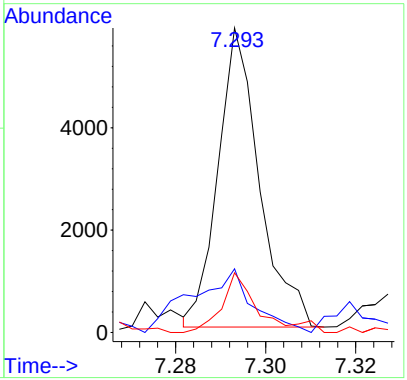


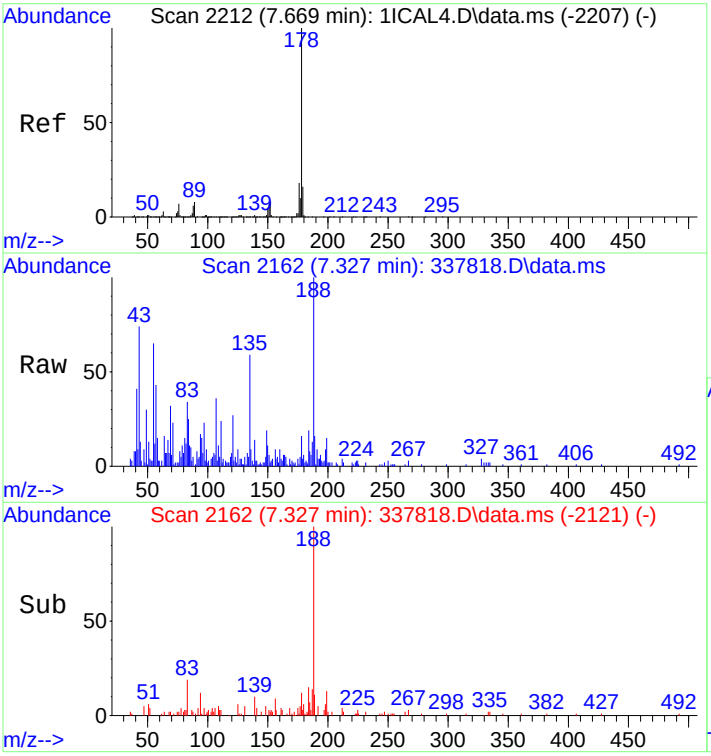


#70
Phenanthrene
Concen: 0.10 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.003 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:178 Resp: 3734

Ion	Ratio	Lower	Upper
178	100		
179	15.9	0.0	45.5
176	20.0	0.0	49.4

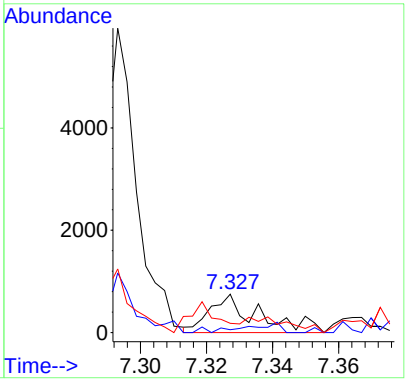


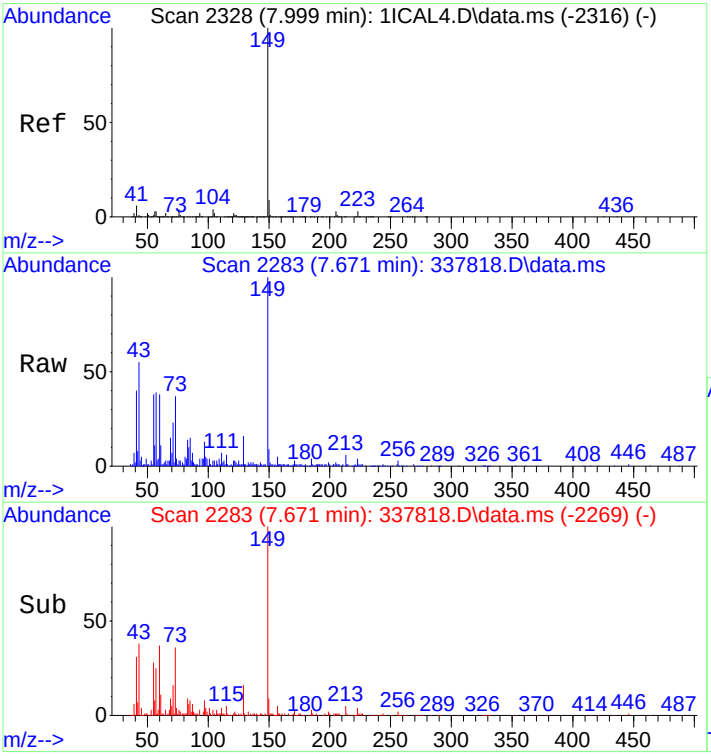


#71
Anthracene
Concen: 0.02 ug/mL
RT: 7.327 min Scan# 2162
Delta R.T. 0.003 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:178 Resp: 761

Ion	Ratio	Lower	Upper
178	100		
176	7.3	0.0	49.2
179	24.0	0.0	45.7

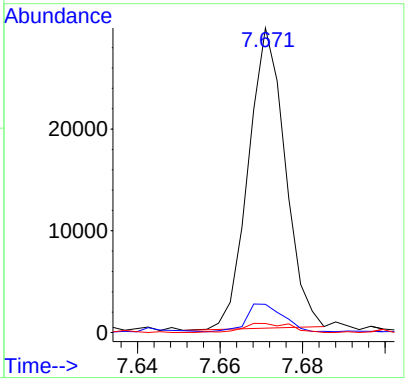


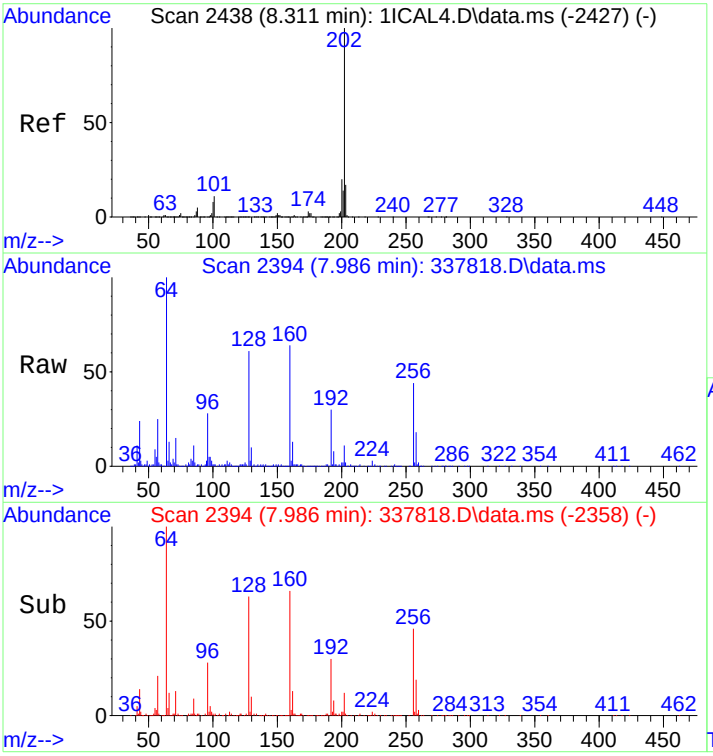


#73
Dinbtylphthal
Concen: 0.38 ug/mL
RT: 7.671 min Scan# 2283
Delta R.T. -0.000 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:149 Resp: 18289

Ion	Ratio	Lower	Upper
149	100		
150	9.0	0.0	39.4
104	3.0	0.0	33.5

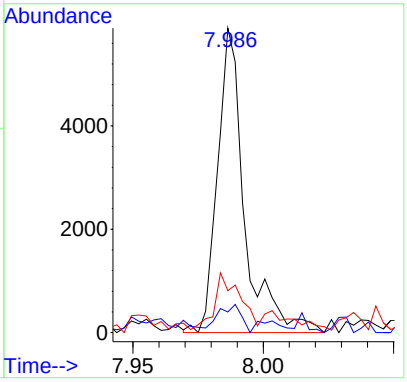


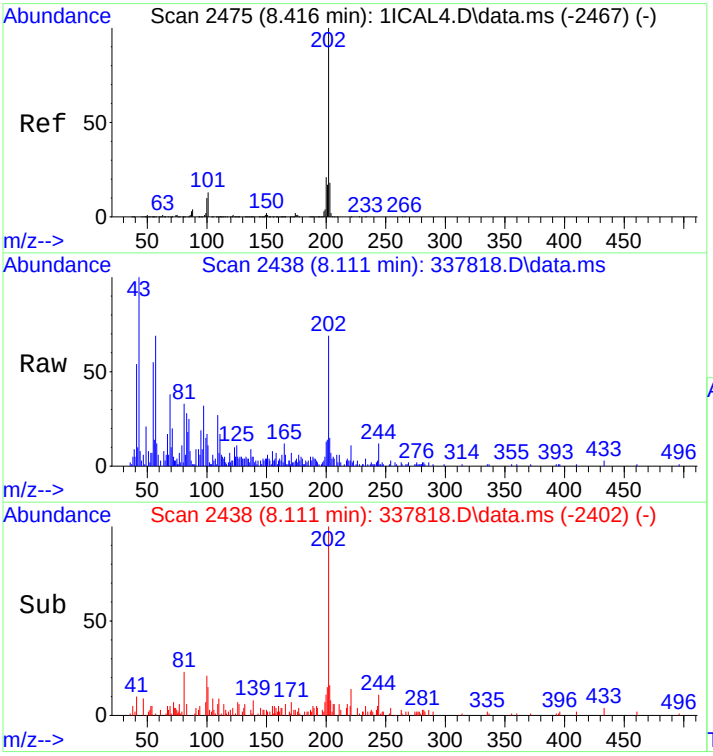


#74
Fluoranthene
Concen: 0.10 ug/mL
RT: 7.986 min Scan# 2394
Delta R.T. 0.003 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:202 Resp: 4260

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	42.2
203	11.8	0.0	37.2

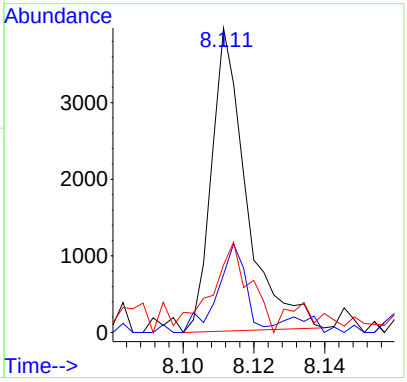


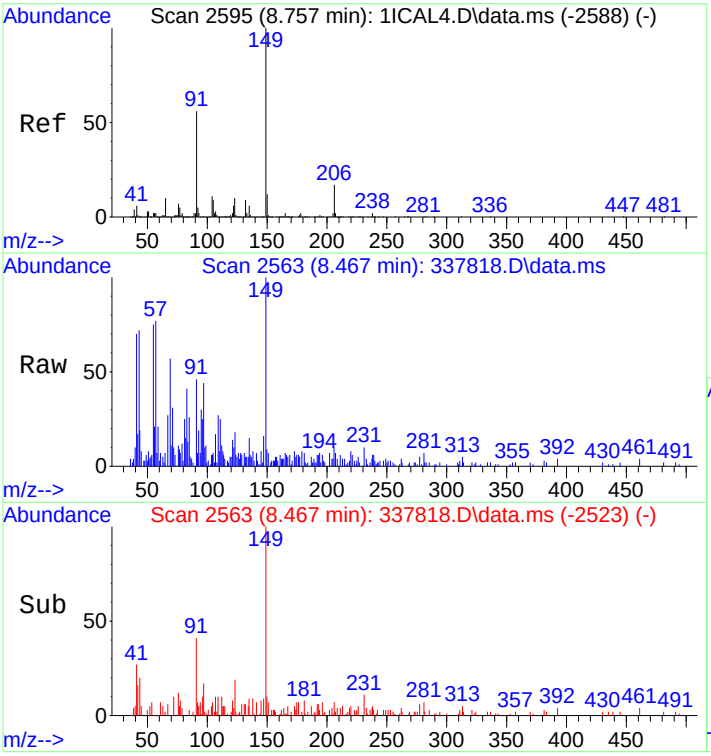


#77
Pyrene
Concen: 0.07 ug/mL
RT: 8.111 min Scan# 2438
Delta R.T. 0.003 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:202 Resp: 2707

Ion	Ratio	Lower	Upper
202	100		
200	19.0	0.0	50.3
203	15.9	0.0	48.5

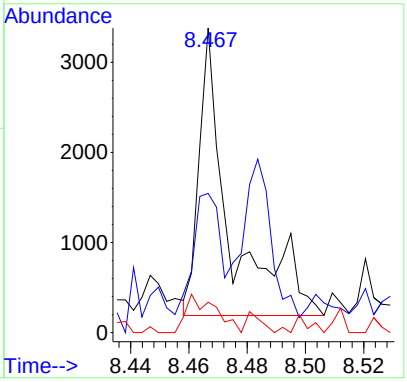


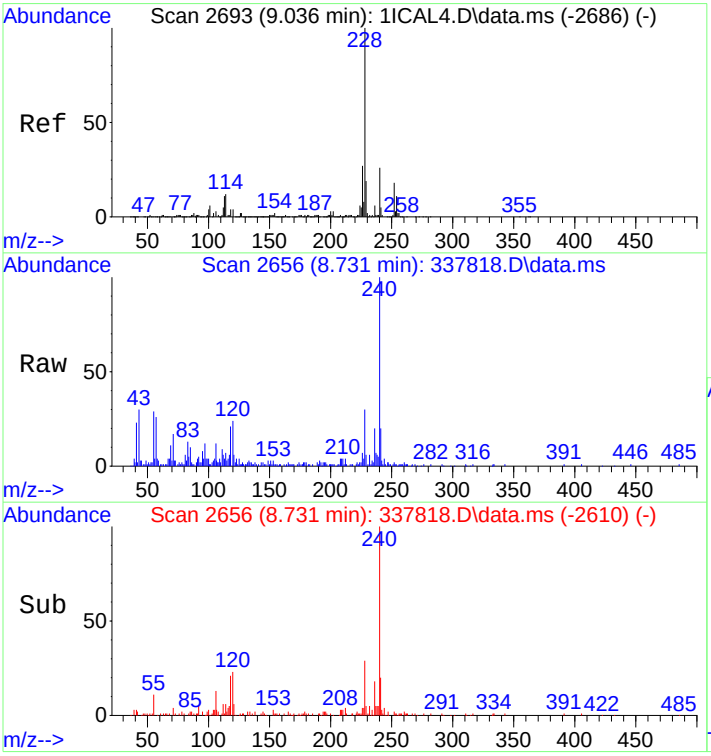


#79
Btylbzylphth
Concen: 0.22 ug/mL
RT: 8.467 min Scan# 2563
Delta R.T. -0.000 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:149 Resp: 2364

Ion	Ratio	Lower	Upper
149	100		
91	38.1	26.8	86.8
206	10.6	0.0	42.4

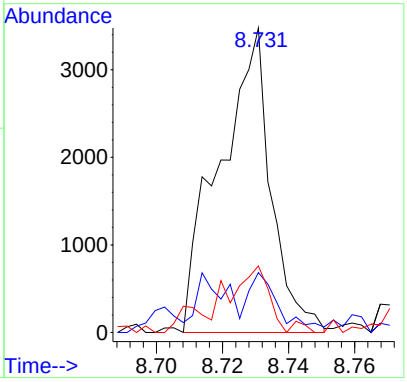


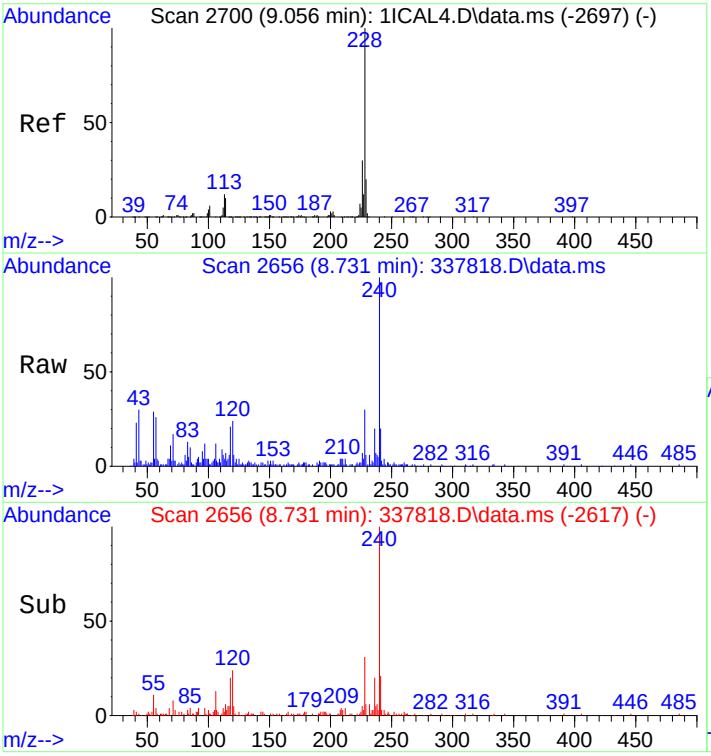


#82
B[a]anthracen
Concen: 0.21 ug/mL
RT: 8.731 min Scan# 2656
Delta R.T. 0.017 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:228 Resp: 3751

Ion	Ratio	Lower	Upper
228	100		
229	17.9	0.0	48.9
226	21.9	0.0	57.3

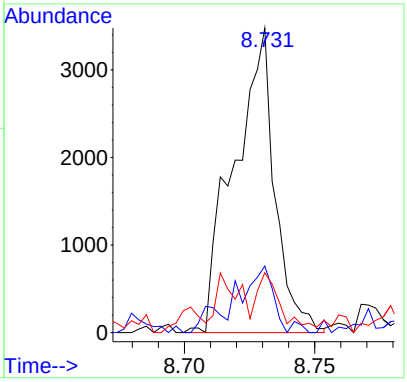


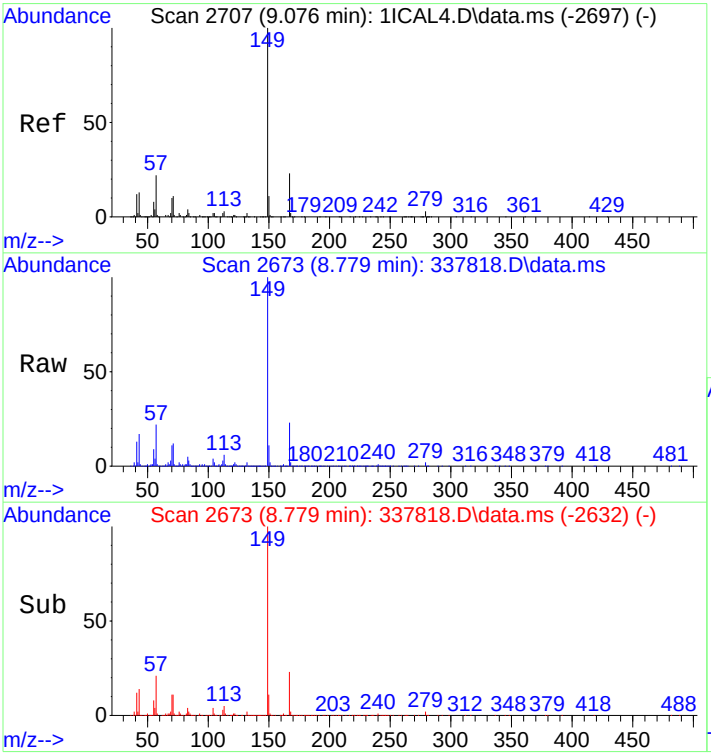


#83
Chrysene
Concen: 0.23 ug/mL
RT: 8.731 min Scan# 2656
Delta R.T. -0.003 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:228 Resp: 3777

Ion	Ratio	Lower	Upper
228	100		
226	21.9	0.2	60.2
229	15.5	0.0	50.3

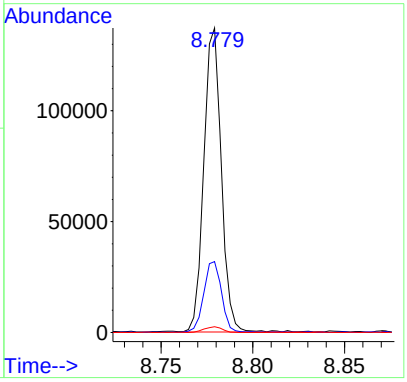


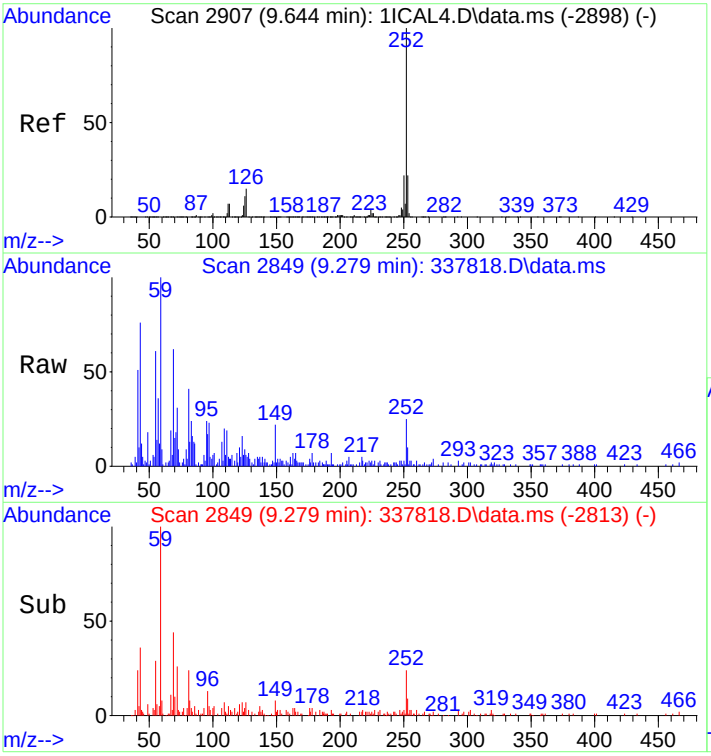


#84
bis2Ethlhxlph
Concen: 6.27 ug/mL
RT: 8.779 min Scan# 2673
Delta R.T. 0.003 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:149 Resp: 91103

Ion	Ratio	Lower	Upper
149	100		
167	23.2	0.0	55.0
279	1.8	0.0	31.6

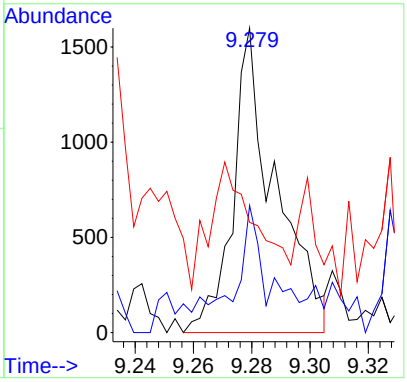


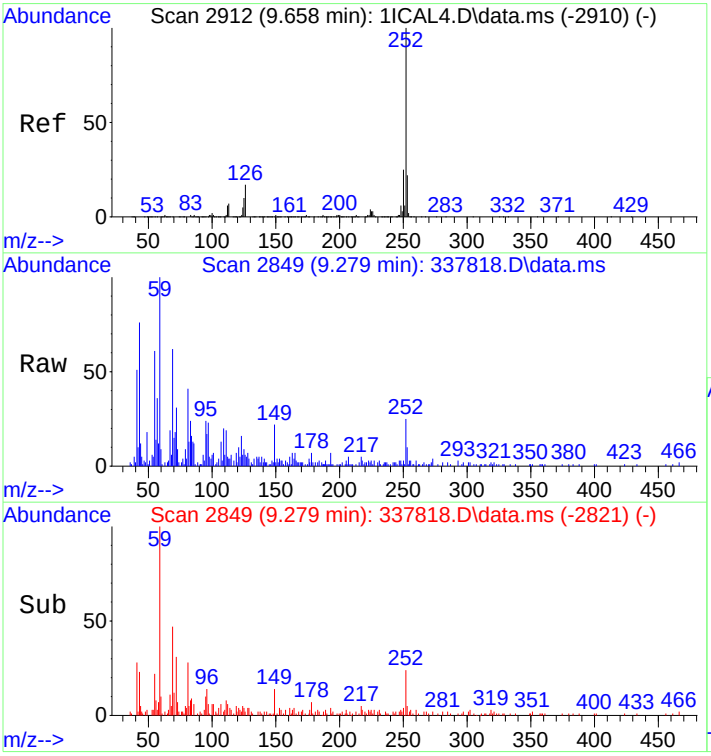


#87
B[b]fluoranth
Concen: 0.10 ug/mL
RT: 9.279 min Scan# 2849
Delta R.T. 0.003 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:252 Resp: 1623

Ion	Ratio	Lower	Upper
252	100		
253	32.3	0.0	52.8
125	13.9	0.0	46.4

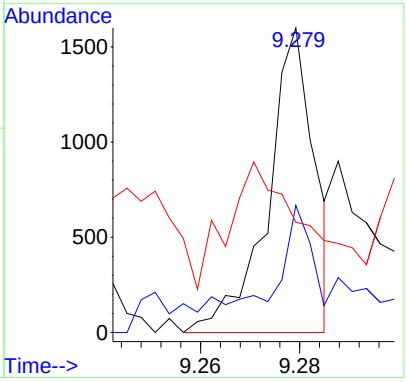




#88
B[k]fluoranth
Concen: 0.07 ug/mL
RT: 9.279 min Scan# 2849
Delta R.T. -0.011 min
Lab File: 337818.D
Acq: 22 Aug 13 6:29 pm

Tgt Ion:252 Resp: 1048

Ion	Ratio	Lower	Upper
252	100		
253	32.8	0.0	52.3
125	6.0	0.0	45.8



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337820.D Vial: 19
Acq On : 22 Aug 2013 18:47 Operator: RPN
Sample : 97038,337820, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:05:43 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

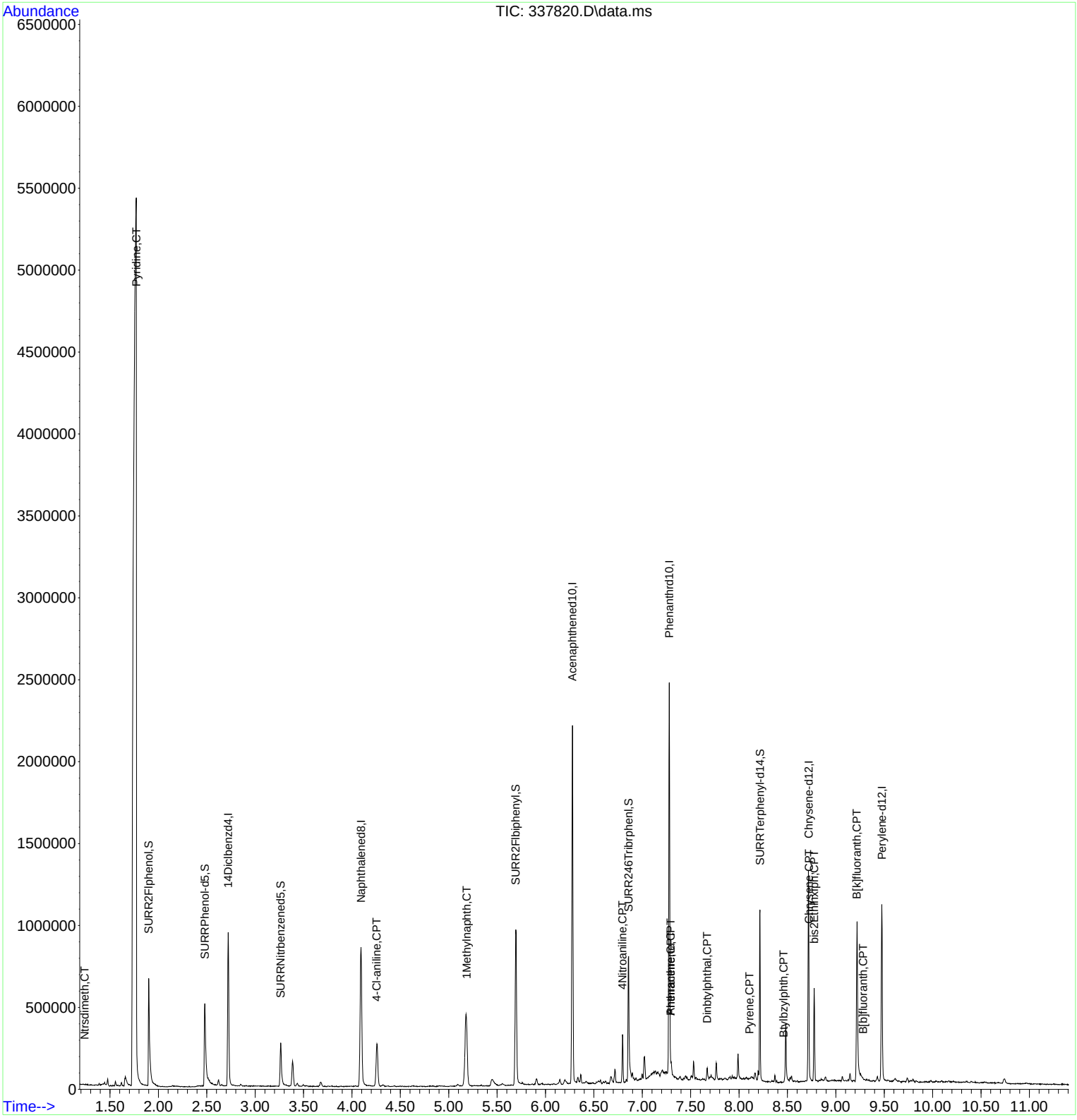
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	156597	20.00	ug/mL	0.00
21) Naphthalened8	4.093	136	574342	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	470916	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	694705	20.00	ug/mL	0.00
75) Chrysene-d12	8.719	240	319050	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	299722	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.900	112	218686	51.23	%REC	0.02
Spiked Amount 100.000	Range 20 - 110		Recovery = 51.23%			
7) SURRPhenol-d5	2.480	99	257173	56.48	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 56.48%			
22) SURRNitrbenzened5	3.264	82	96652	58.06	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 58.06%			
44) SURR2Flbiphenyl	5.693	172	382345	61.76	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 61.76%			
62) SURR246Tribrphenl	6.858	330	90467	58.05	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 58.05%			
78) SURRTerphenyl-d14	8.216	244	212938	66.93	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 66.93%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.238	74	1645	0.2885	ug/mL#	1
3) Pyridine	1.772	79	1129	0.1055	ug/mL#	1
32) 4-Cl-aniline	4.255	127	948	0.0813	ug/mL	72
38) 1Methylnaphth	5.185	141	1690	0.0680	ug/mL#	1
48) Dimethylphtha	6.148	163	841	Below Cal		79
60) Diethylphthal	6.685	149	2752	Below Cal		95
61) 4Nitroaniline	6.796	138	566	0.0893	ug/mL#	44
65) Ntrsdiphlam&Diphlam	6.833	169	123	Below Cal		73
66) Azobenz&12Diphlhyd	6.835	182	2893	Below Cal #		1
70) Phenanthrene	7.293	178	2208	0.0620	ug/mL	83
71) Anthracene	7.293	178	2208	0.0597	ug/mL	83
73) Dinbtylphthal	7.671	149	17089	0.3600	ug/mL	96
77) Pyrene	8.108	202	1083	0.0270	ug/mL	90
79) Btylbzylphth	8.461	149	1068	0.0950	ug/mL#	51
83) Chrysene	8.722	228	2064	0.1228	ug/mL	85
84) bis2Ethlhxlph	8.776	149	133849	8.9306	ug/mL	100
87) B[b]fluoranth	9.282	252	593	0.0348	ug/mL	66
88) B[k]fluoranth	9.217	252	529	0.0336	ug/mL#	1

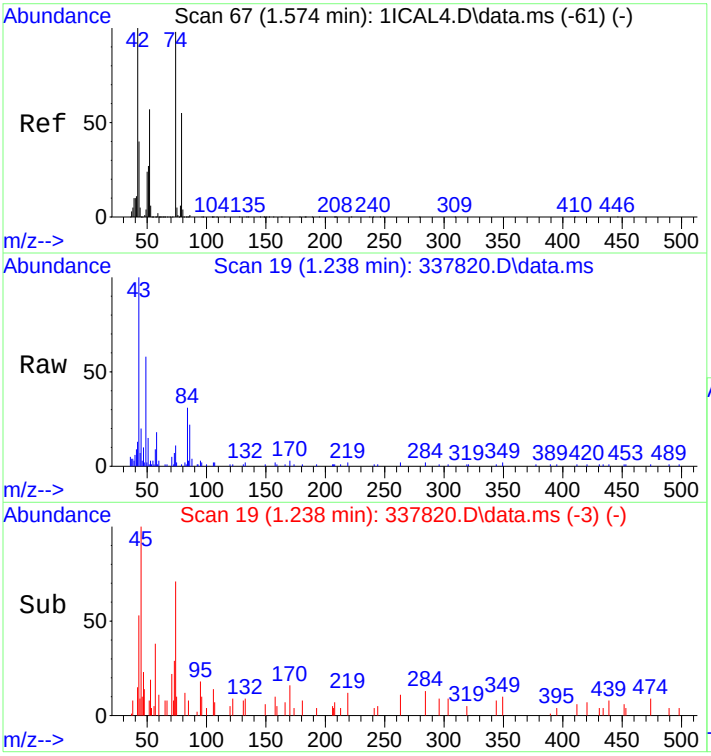
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337820.D Vial: 19
Acq On : 22 Aug 2013 18:47 Operator: RPN
Sample : 97038,337820, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:05:43 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

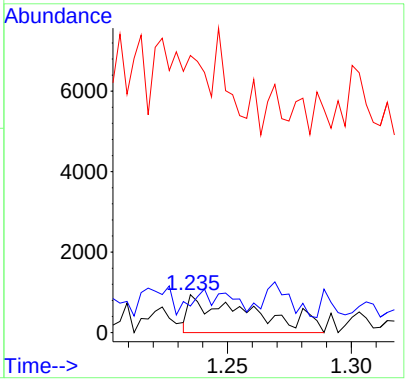


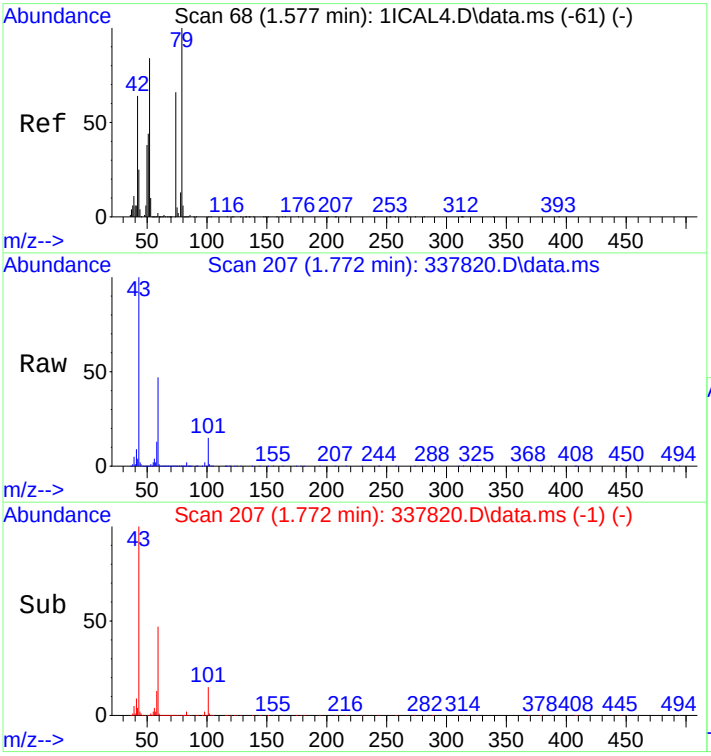


#2
Ntrsdimeth
Concen: 0.29 ug/mL
RT: 1.238 min Scan# 19
Delta R.T. -0.054 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion: 74 Resp: 1645

Ion	Ratio	Lower	Upper
74	100		
42	13.6	61.9	121.9#
43	134.8	11.4	71.4#

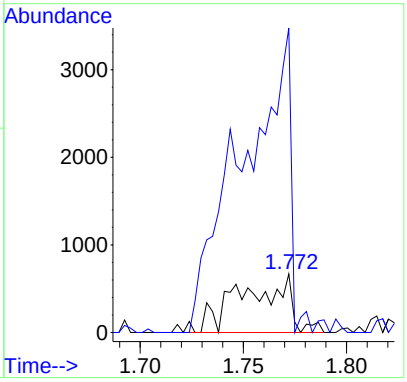


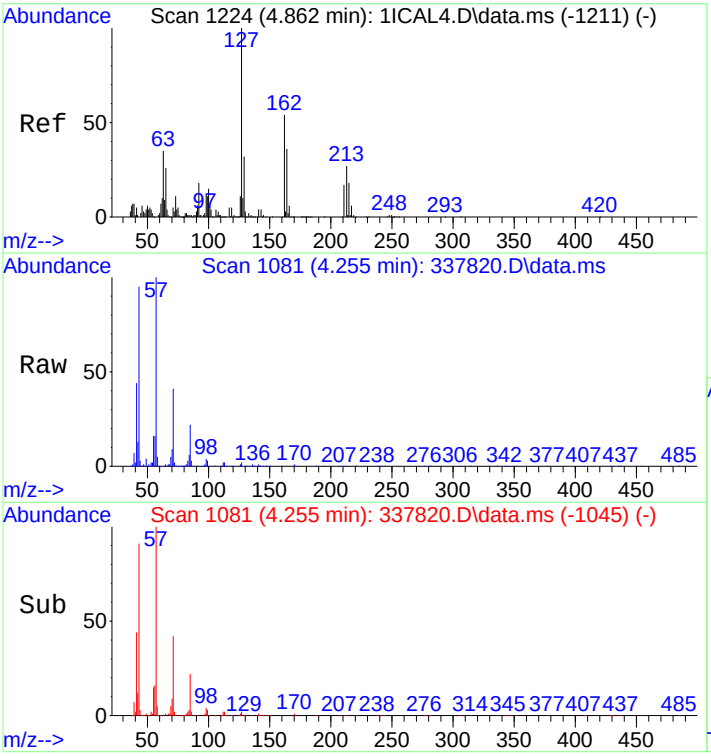


#3
Pyridine
Concen: 0.11 ug/mL
RT: 1.772 min Scan# 207
Delta R.T. 0.480 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion: 79 Resp: 1129

Ion	Ratio	Lower	Upper
79	100		
52	393.4	51.7	111.7#

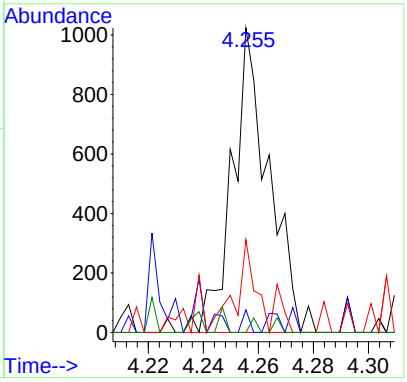


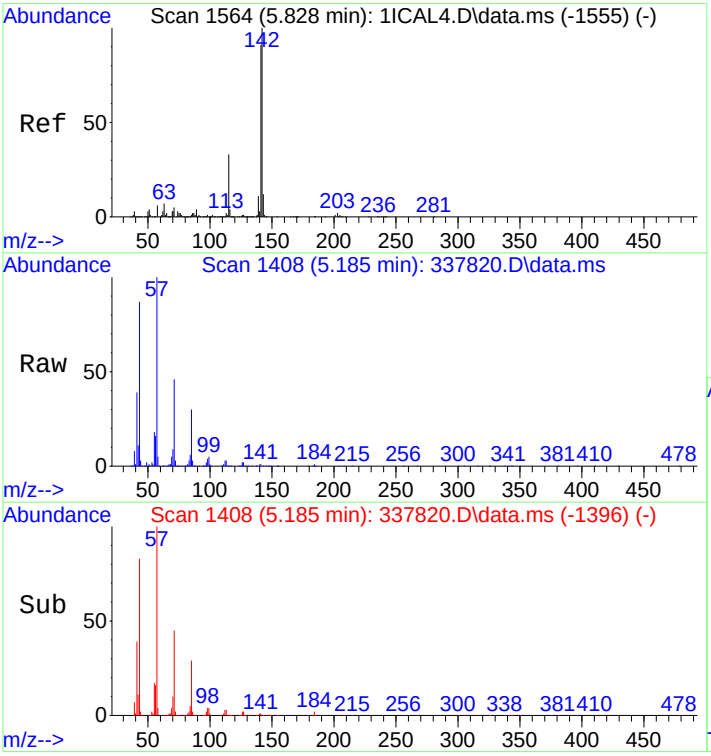


#32
4-Cl-aniline
Concen: 0.08 ug/mL
RT: 4.255 min Scan# 1081
Delta R.T. -0.012 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:127 Resp: 948

Ion	Ratio	Lower	Upper
127	100		
129	7.4	3.3	63.3
65	22.6	0.0	52.4
92	0.0	0.0	42.3

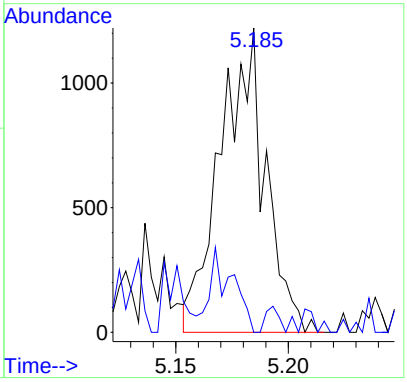


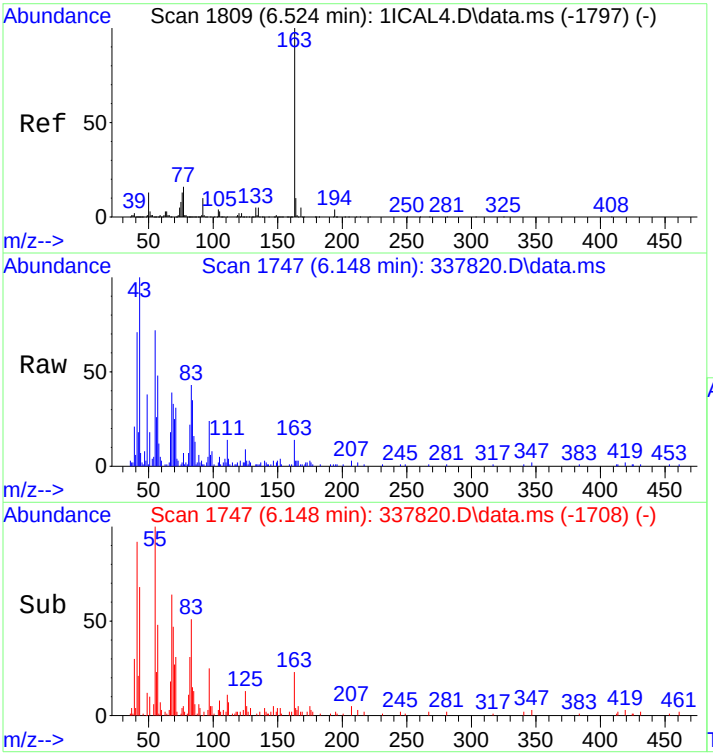


#38
1Methylnaphth
Concen: 0.07 ug/mL
RT: 5.185 min Scan# 1408
Delta R.T. -0.085 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:141 Resp: 1690

Ion	Ratio	Lower	Upper
141	100		
142	0.0	83.3	143.3#

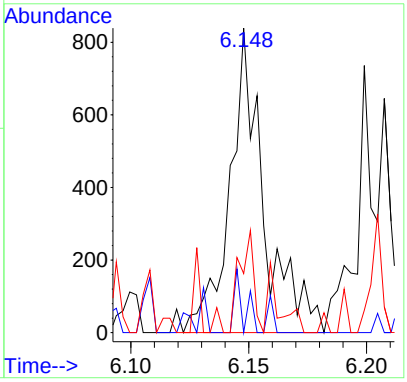


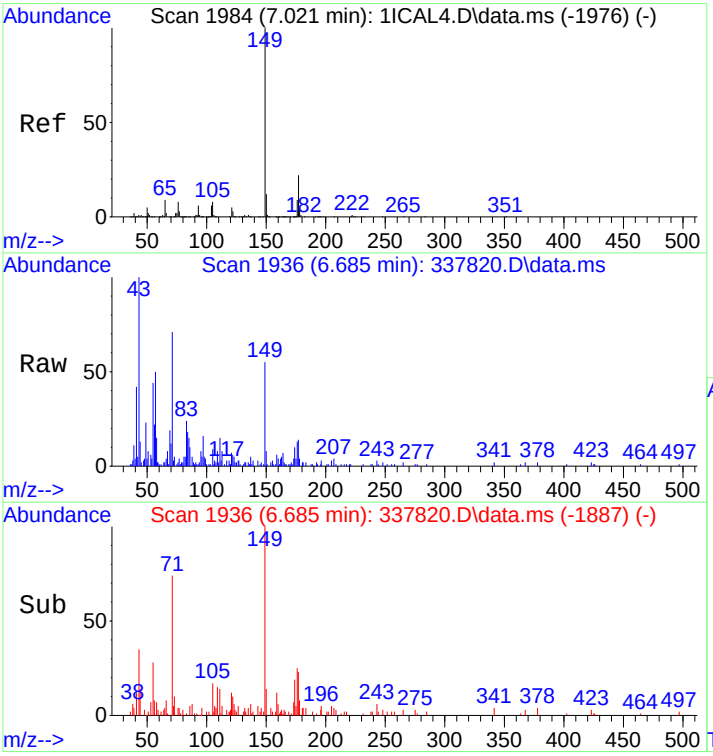


#48
Dimethylphtha
Concen: Below ug/mL
RT: 6.148 min Scan# 1747
Delta R.T. -0.009 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:163 Resp: 841

Ion	Ratio	Lower	Upper
163	100		
194	0.0	0.0	33.1
164	19.4	0.0	40.2

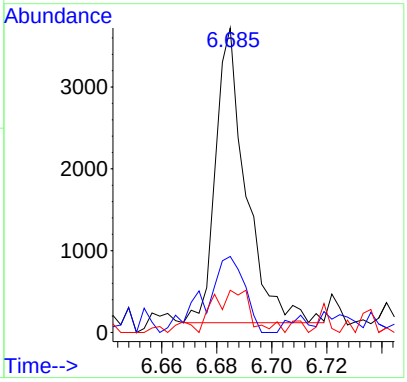


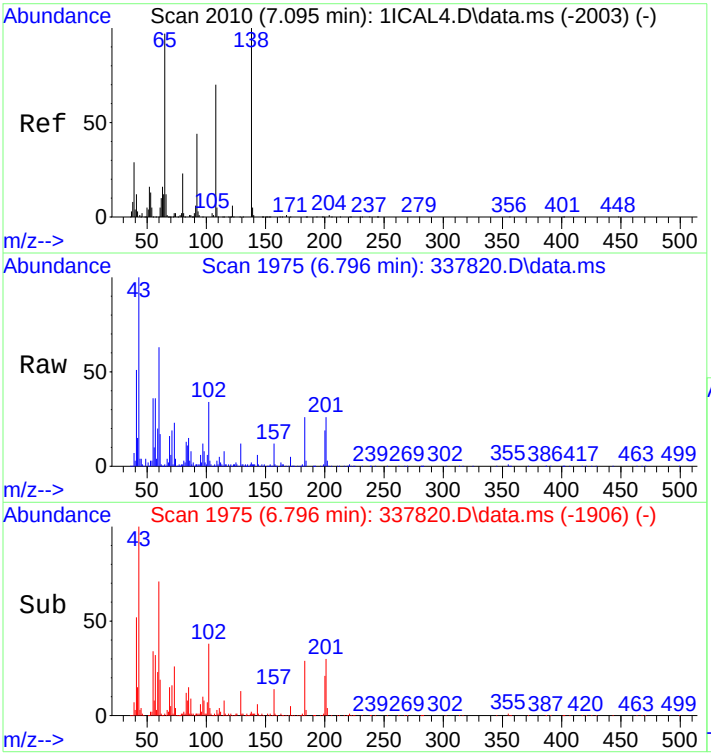


#60
Diethylphthal
Concen: Below ug/mL
RT: 6.685 min Scan# 1936
Delta R.T. -0.006 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:149 Resp: 2752

Ion	Ratio	Lower	Upper
149	100		
177	22.6	0.0	49.9
150	10.7	0.0	42.4

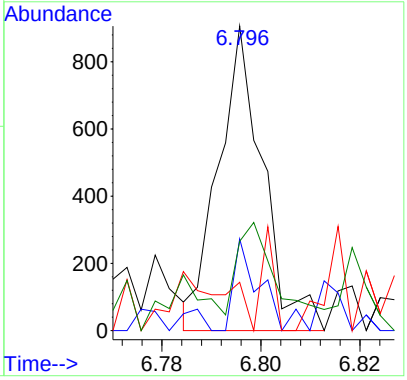


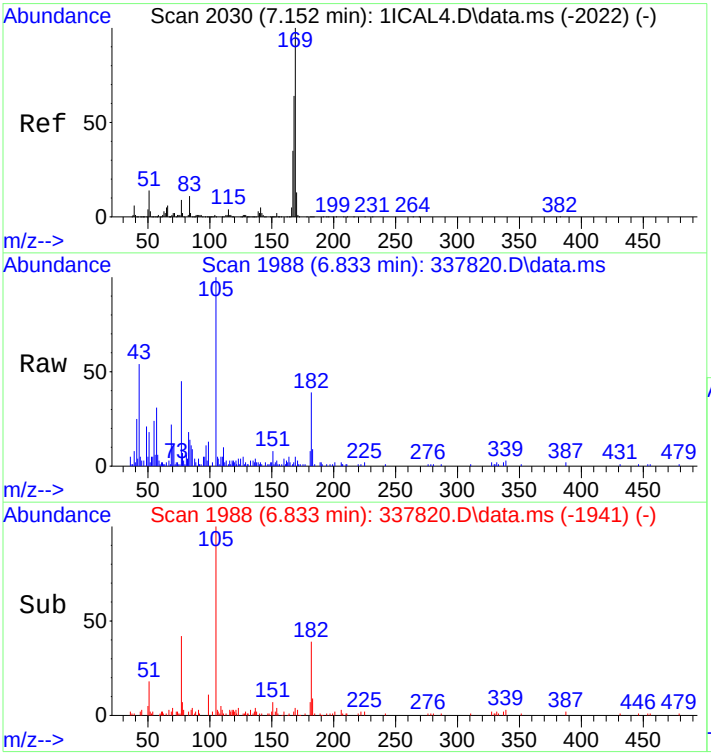


#61
4Nitroaniline
Concen: 0.09 ug/mL
RT: 6.796 min Scan# 1975
Delta R.T. 0.045 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:138 Resp: 566

Ion	Ratio	Lower	Upper
138	100		
92	24.6	6.3	66.3
108	7.6	17.2	77.2#
65	11.8	42.4	102.4#

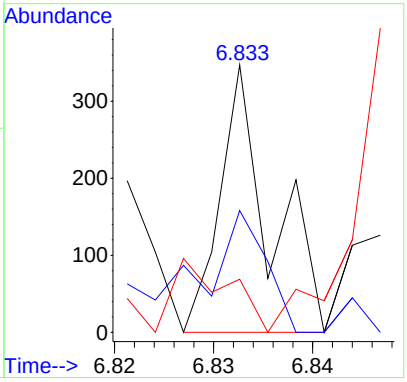


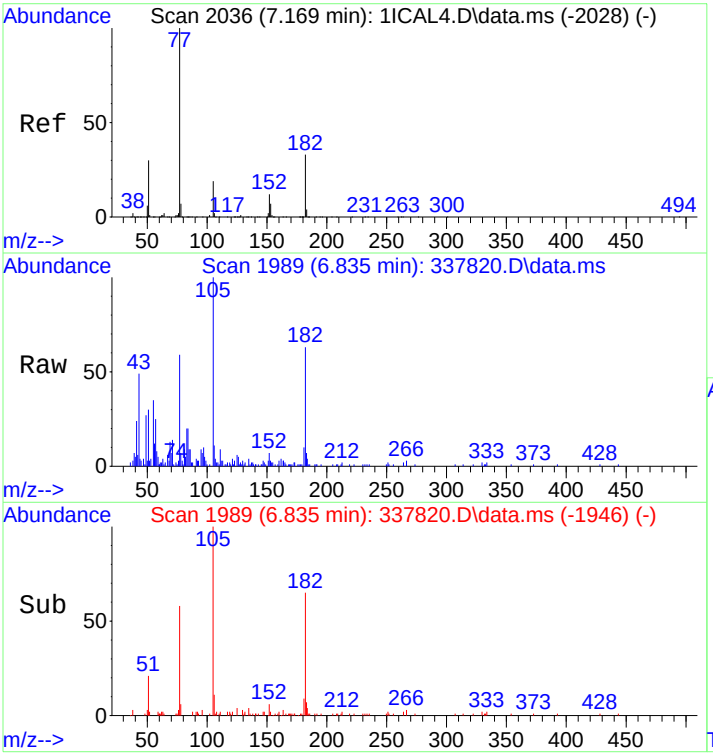


#65
Ntrsdiphlam&Diphlam
Concen: Below ug/mL
RT: 6.833 min Scan# 1988
Delta R.T. 0.020 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:169 Resp: 123

Ion	Ratio	Lower	Upper
169	100		
168	45.5	34.5	94.5
167	53.6	4.6	64.6

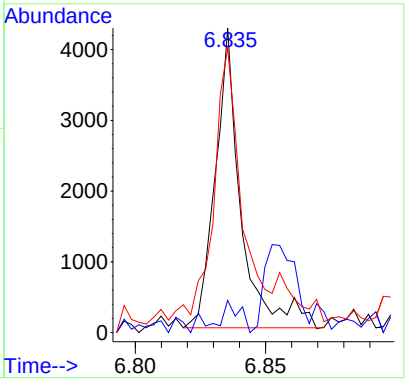


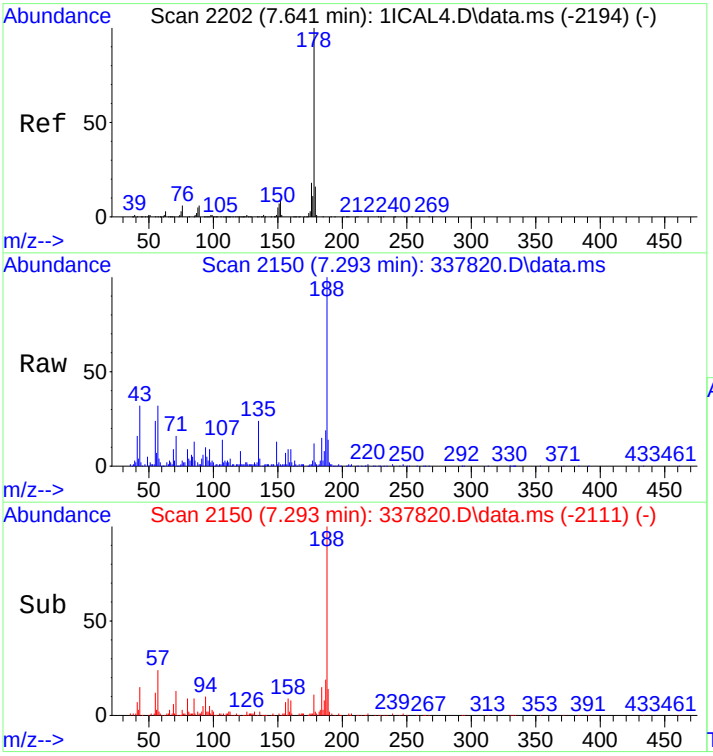


#66
Azobenz&12Diphlhyd
Concen: Below ug/mL
RT: 6.835 min Scan# 1989
Delta R.T. 0.008 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:182 Resp: 2893

Ion	Ratio	Lower	Upper
182	100		
152	7.3	9.8	69.8#
77	91.3	337.4	397.4#

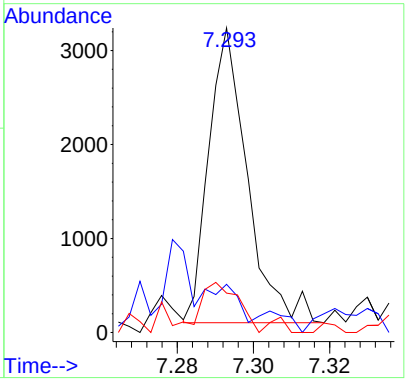


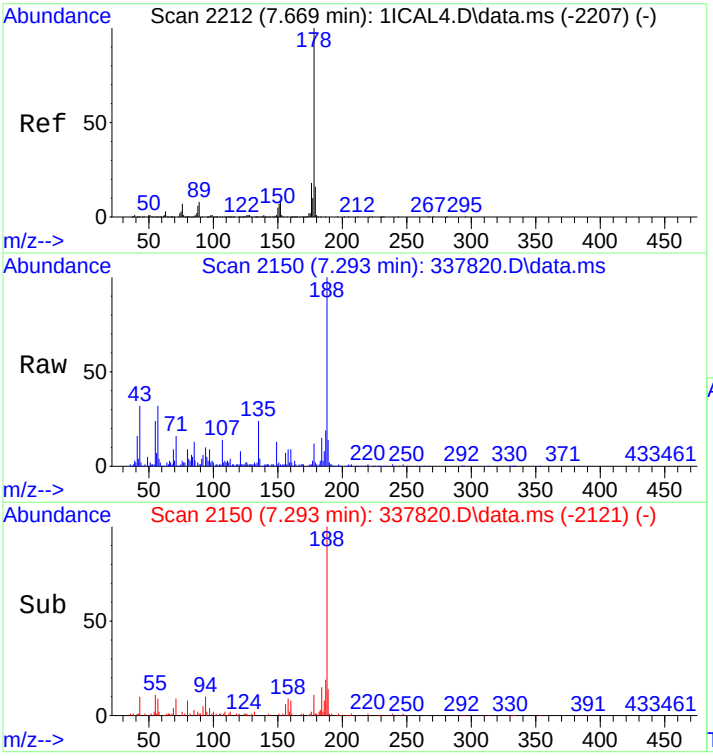


#70
Phenanthrene
Concen: 0.06 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.003 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:178 Resp: 2208

Ion	Ratio	Lower	Upper
178	100		
179	9.9	0.0	45.5
176	10.2	0.0	49.4

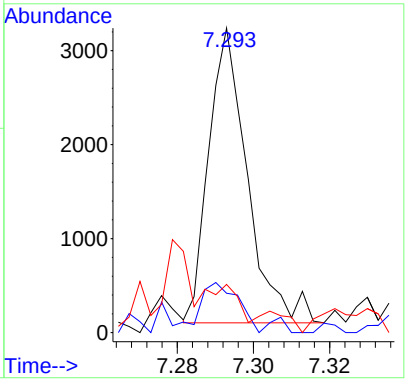


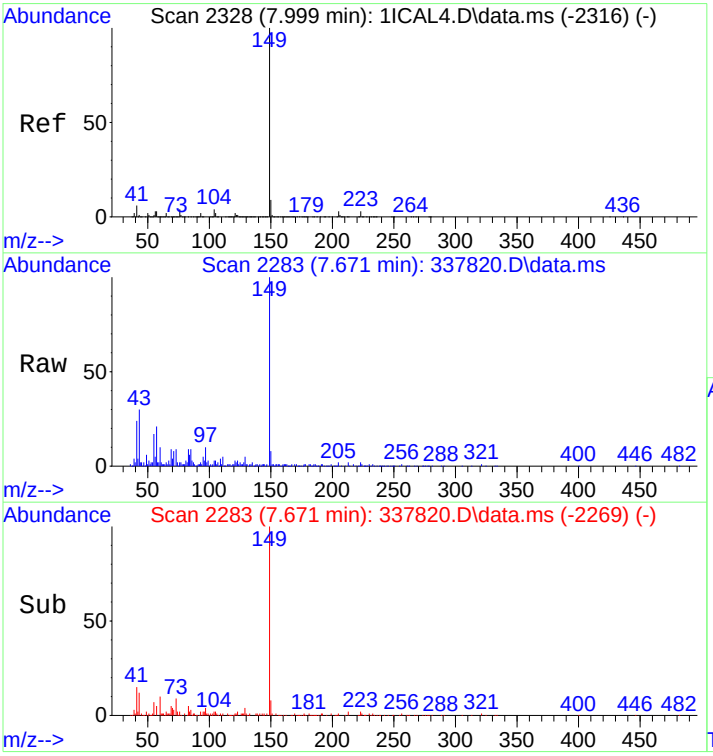


#71
Anthracene
Concen: 0.06 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.031 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:178 Resp: 2208

Ion	Ratio	Lower	Upper
178	100		
176	10.2	0.0	49.2
179	9.9	0.0	45.7

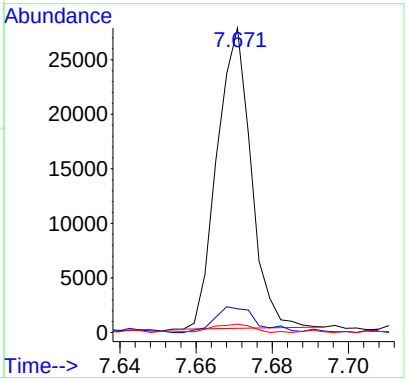


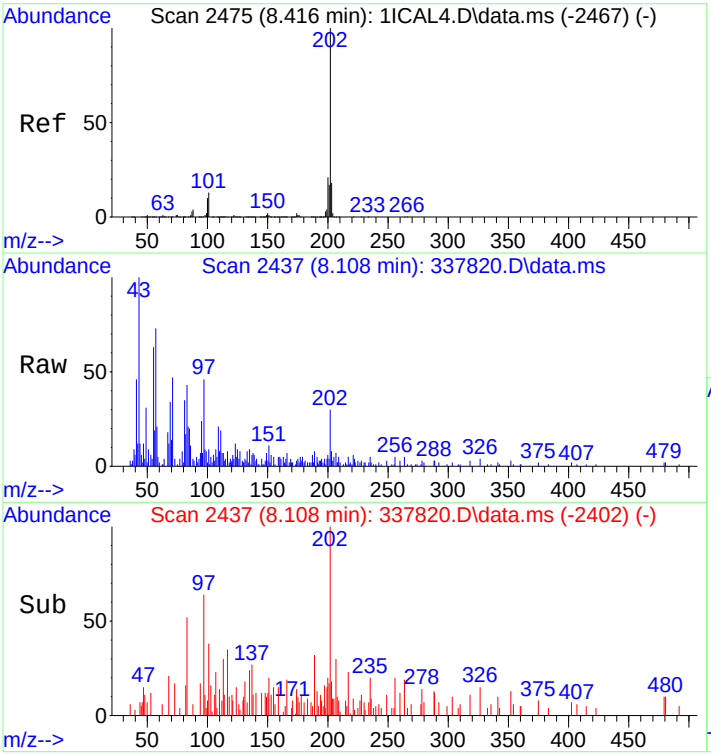


#73
Dinbtylphthal
Concen: 0.36 ug/mL
RT: 7.671 min Scan# 2283
Delta R.T. -0.000 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:149 Resp: 17089

Ion	Ratio	Lower	Upper
149	100		
150	7.9	0.0	39.4
104	2.6	0.0	33.5

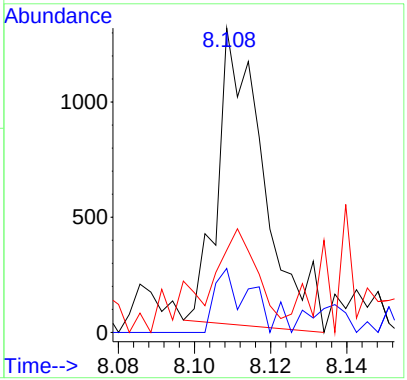


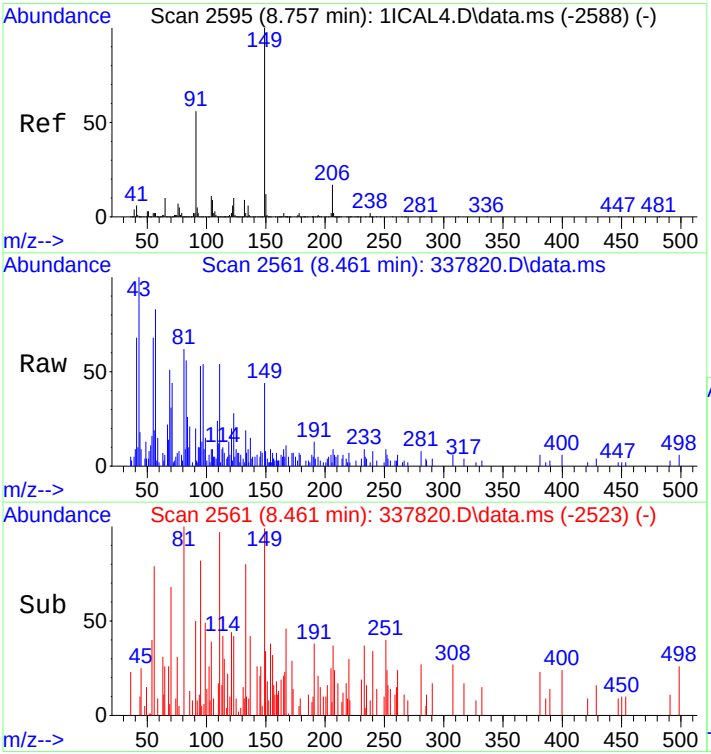


#77
Pyrene
Concen: 0.03 ug/mL
RT: 8.108 min Scan# 2437
Delta R.T. -0.000 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:202 Resp: 1083

Ion	Ratio	Lower	Upper
202	100		
200	21.0	0.0	50.3
203	10.1	0.0	48.5

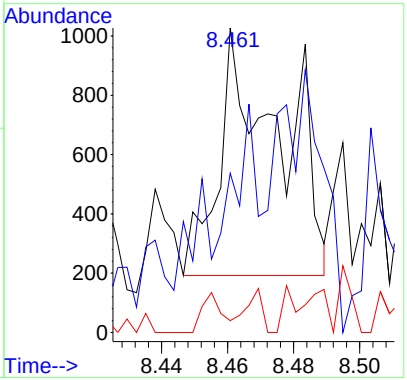


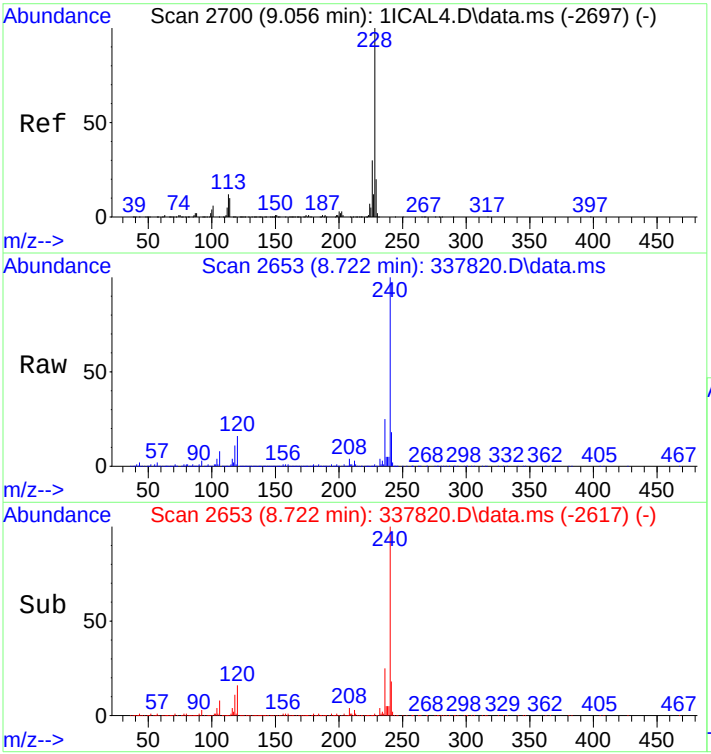


#79
Btylbzylphth
Concen: 0.09 ug/mL
RT: 8.461 min Scan# 2561
Delta R.T. -0.006 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:149 Resp: 1068

Ion	Ratio	Lower	Upper
149	100		
91	19.5	26.8	86.8#
206	29.2	0.0	42.4

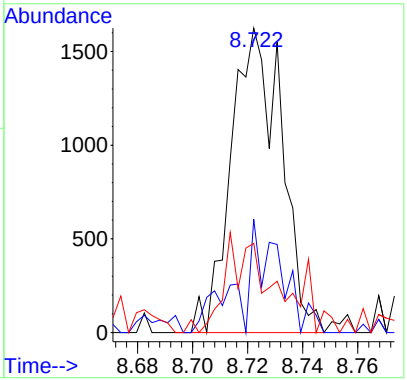


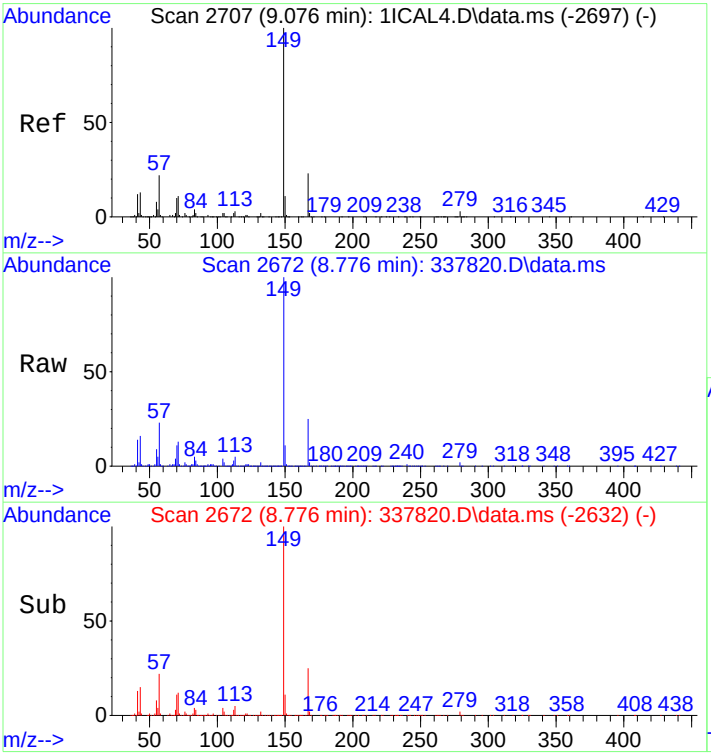


#83
Chrysene
Concen: 0.12 ug/mL
RT: 8.722 min Scan# 2653
Delta R.T. -0.012 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:228 Resp: 2064

Ion	Ratio	Lower	Upper
228	100		
226	37.2	0.2	60.2
229	29.3	0.0	50.3

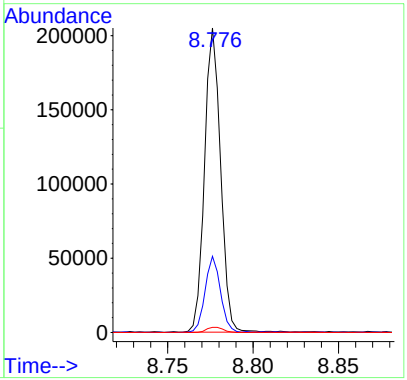


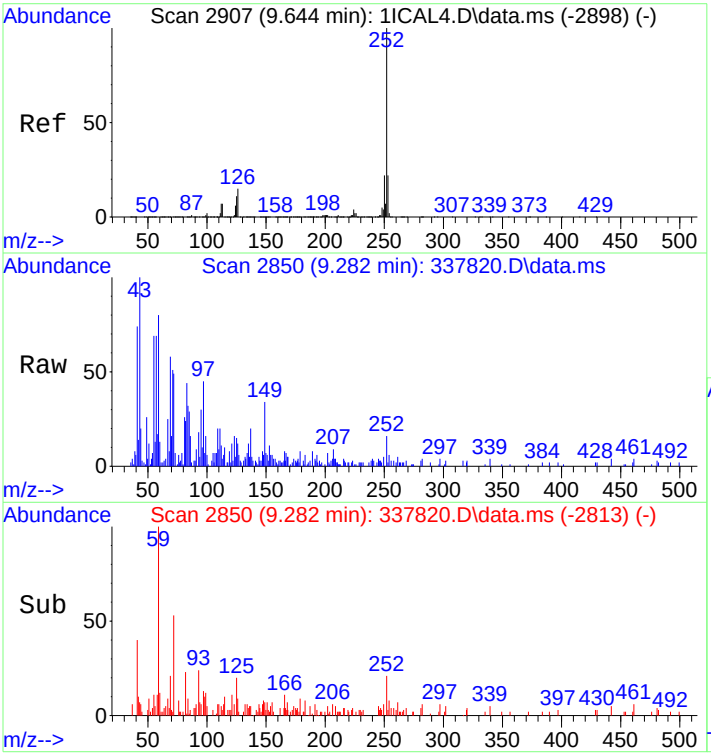


#84
bis2Ethlhxlph
Concen: 8.93 ug/mL
RT: 8.776 min Scan# 2672
Delta R.T. -0.000 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:149 Resp: 133849

Ion	Ratio	Lower	Upper
149	100		
167	25.0	0.0	55.0
279	1.7	0.0	31.6

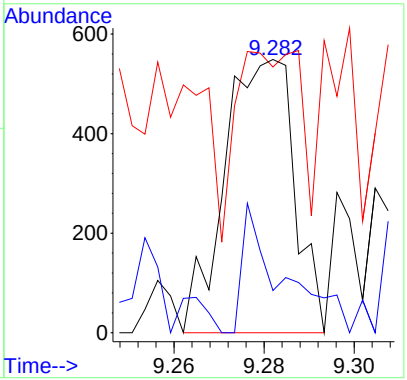


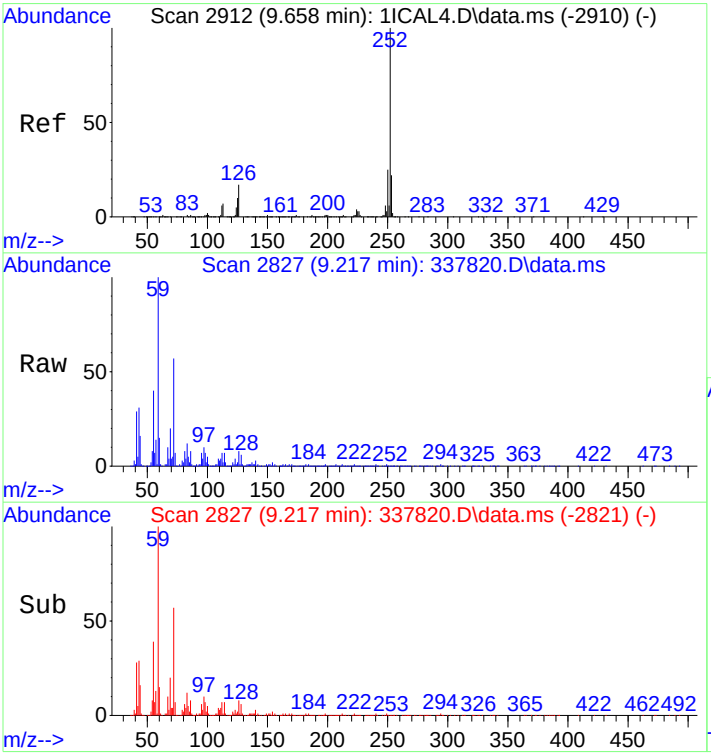


#87
B[b]fluoranth
Concen: 0.03 ug/mL
RT: 9.282 min Scan# 2850
Delta R.T. 0.005 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:252 Resp: 593

Ion	Ratio	Lower	Upper
252	100		
253	2.9	0.0	52.8
125	6.6	0.0	46.4

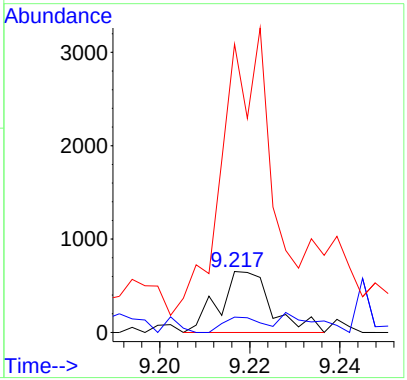




#88
B[k]fluoranth
Concen: 0.03 ug/mL
RT: 9.217 min Scan# 2827
Delta R.T. -0.074 min
Lab File: 337820.D
Acq: 22 Aug 13 6:47 pm

Tgt Ion:252 Resp: 529

Ion	Ratio	Lower	Upper
252	100		
253	18.3	0.0	52.3
125	417.5	0.0	45.8#



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337822.D Vial: 20
Acq On : 22 Aug 2013 19:05 Operator: RPN
Sample : 97038,337822, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:07:29 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

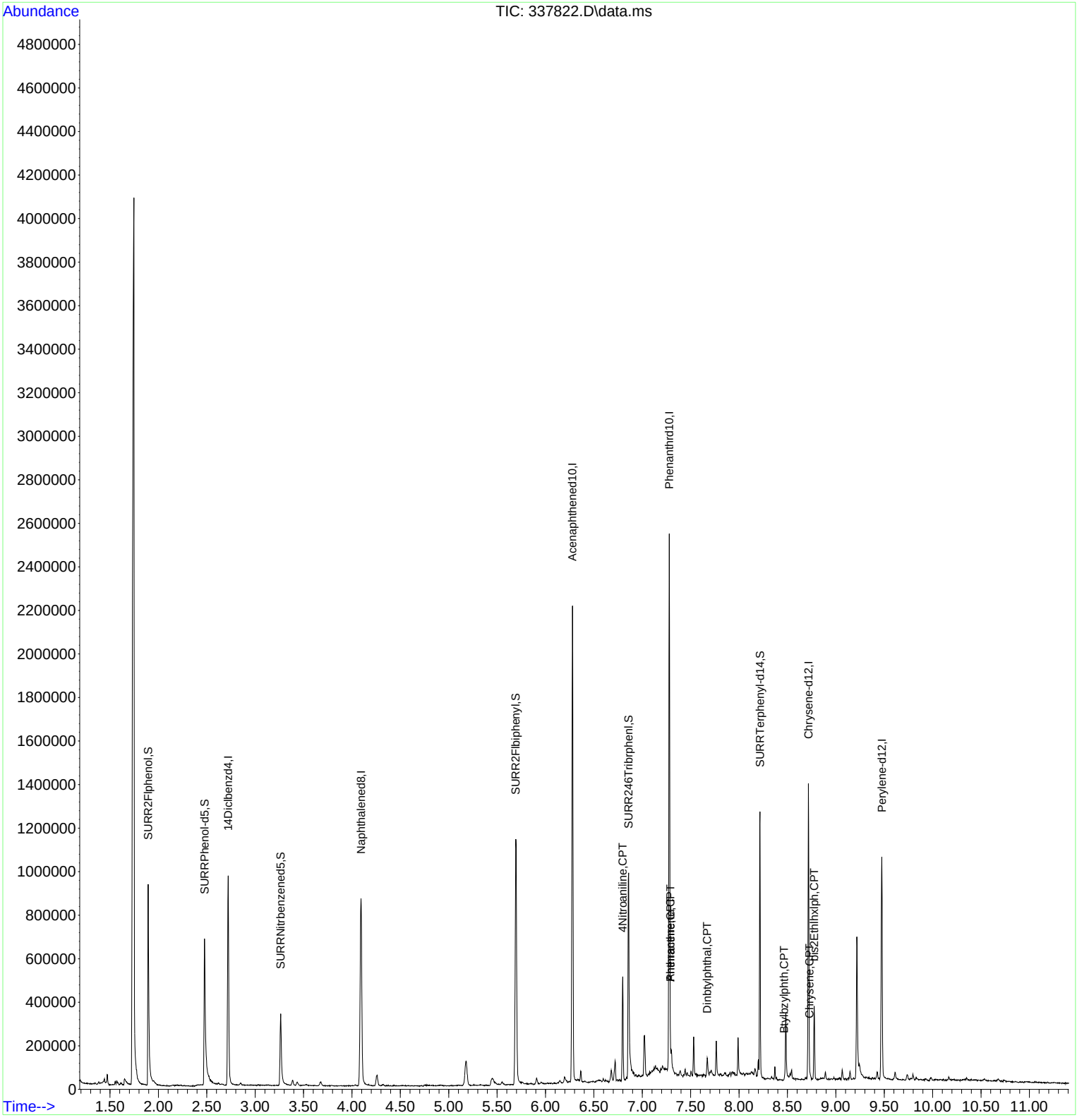
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	156661	20.00	ug/mL	0.00
21) Naphthalened8	4.094	136	582925	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	476673	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	686875	20.00	ug/mL	0.00
75) Chrysene-d12	8.717	240	319561	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	300142	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.894	112	273178	63.97	%REC	0.01
Spiked Amount 100.000	Range 20 - 110		Recovery = 63.97%			
7) SURRPhenol-d5	2.477	99	305855	67.14	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 67.14%			
22) SURRNitrbenzened5	3.264	82	117137	69.33	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 69.33%			
44) SURR2Flbiphenyl	5.693	172	454996	72.61	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 72.61%			
62) SURR246Tribrphenl	6.858	330	116510	73.86	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 73.86%			
78) SURRTerphenyl-d14	8.216	244	250383	78.57	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 78.57%			
Target Compounds						Qvalue
48) Dimethylphtha	6.148	163	763	Below Cal		85
60) Diethylphthal	6.685	149	4409	Below Cal		98
61) 4Nitroaniline	6.799	138	942	0.1468	ug/mL#	39
65) Ntrsdiphlam&Diphlam	6.722	169	178	Below Cal		67
66) Azobenz&12Diphlhyd	6.836	182	2425	Below Cal	#	1
70) Phenanthrene	7.290	178	1786	0.0507	ug/mL	90
71) Anthracene	7.290	178	1786	0.0489	ug/mL	90
73) Dinbtylphthal	7.671	149	20837	0.4440	ug/mL	97
79) Btylbzylphth	8.467	149	859	0.0763	ug/mL#	41
83) Chrysene	8.728	228	2488	0.1478	ug/mL	95
84) bis2Ethlhxlph	8.776	149	81206	5.4095	ug/mL	95

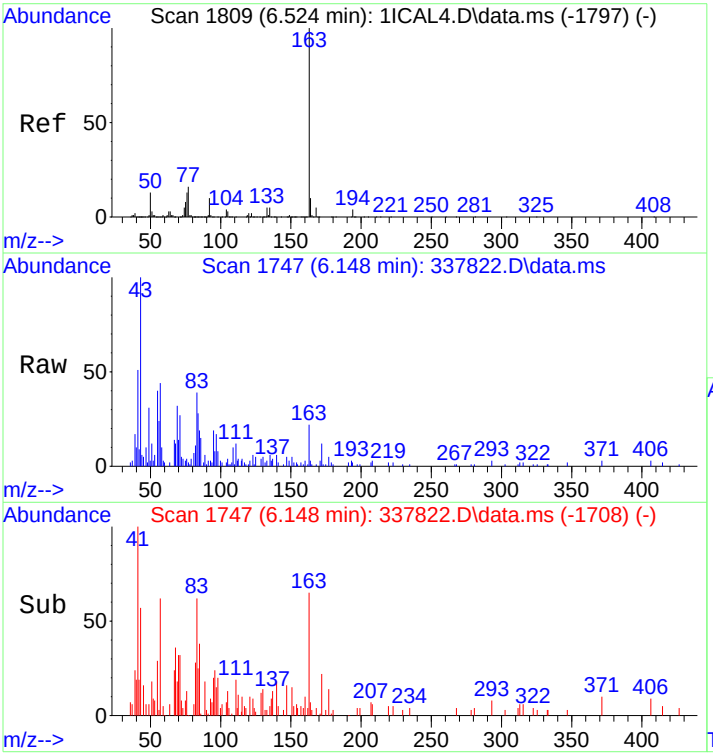
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337822.D Vial: 20
Acq On : 22 Aug 2013 19:05 Operator: RPN
Sample : 97038,337822, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:07:29 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

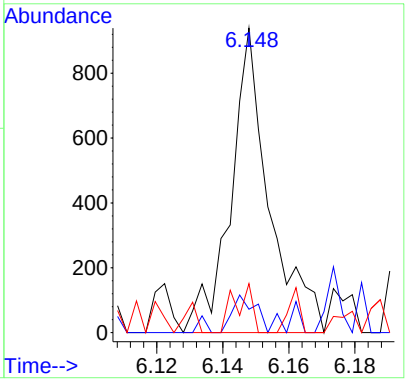


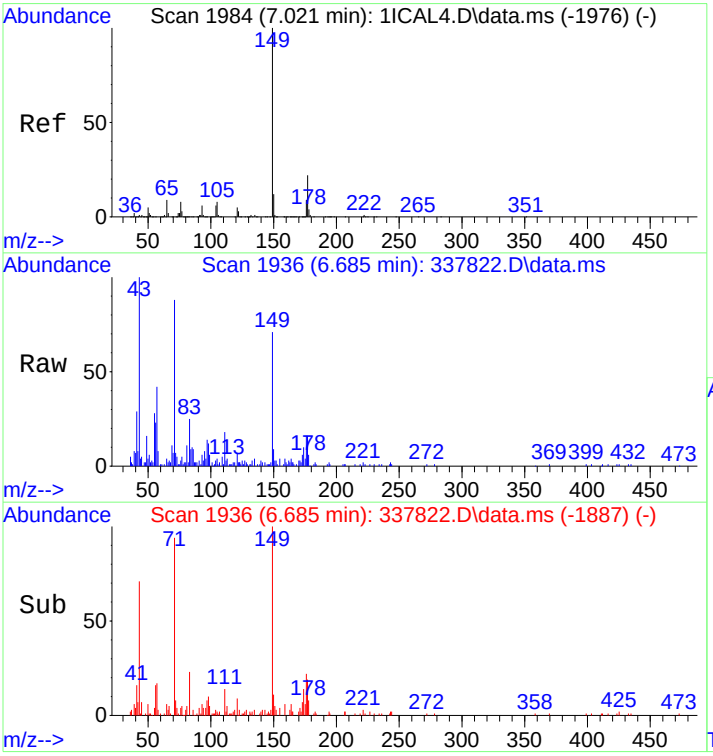


#48
Dimethylphtha
Concen: Below ug/mL
RT: 6.148 min Scan# 1747
Delta R.T. -0.009 min
Lab File: 337822.D
Acq: 22 Aug 13 7:05 pm

Tgt Ion:163 Resp: 763

Ion	Ratio	Lower	Upper
163	100		
194	7.7	0.0	33.1
164	16.1	0.0	40.2

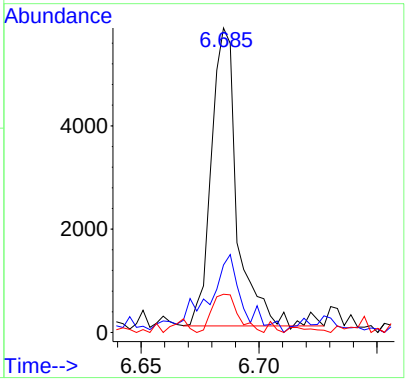


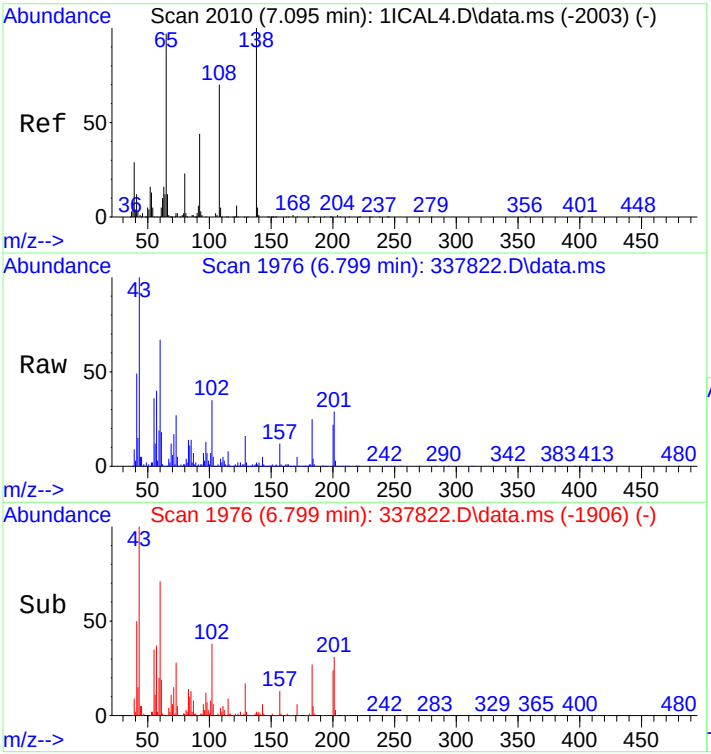


#60
Diethylphthal
Concen: Below ug/mL
RT: 6.685 min Scan# 1936
Delta R.T. -0.006 min
Lab File: 337822.D
Acq: 22 Aug 13 7:05 pm

Tgt Ion:149 Resp: 4409

Ion	Ratio	Lower	Upper
149	100		
177	18.6	0.0	49.9
150	12.1	0.0	42.4

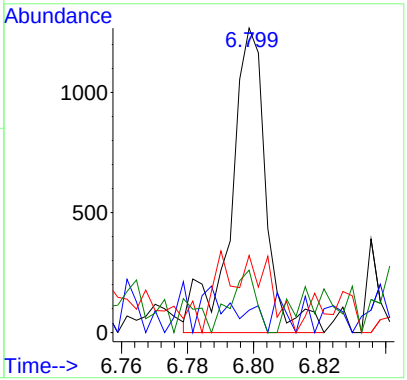


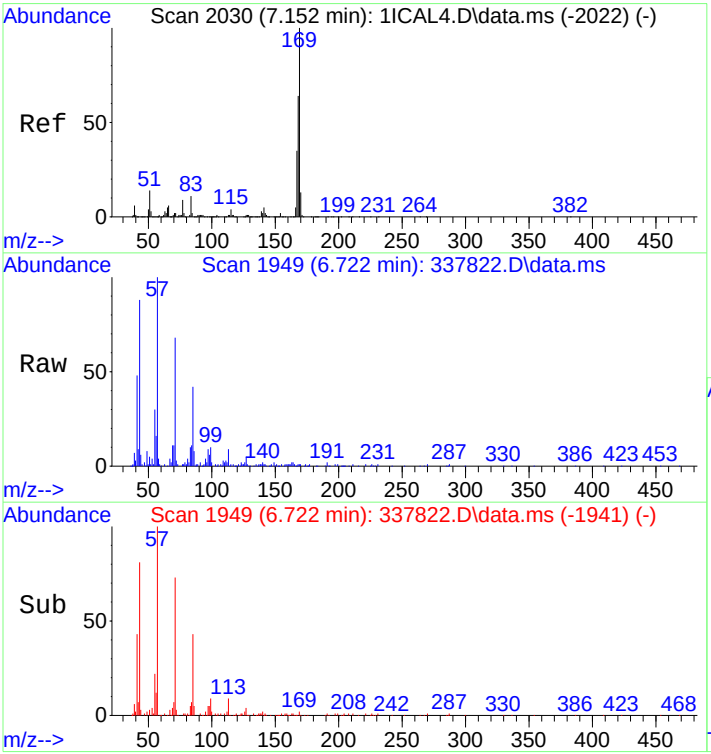


#61
4Nitroaniline
Concen: 0.15 ug/mL
RT: 6.799 min Scan# 1976
Delta R.T. 0.048 min
Lab File: 337822.D
Acq: 22 Aug 13 7:05 pm

Tgt Ion:138 Resp: 942

Ion	Ratio	Lower	Upper
138	100		
92	0.0	6.3	66.3#
108	20.7	17.2	77.2
65	9.4	42.4	102.4#

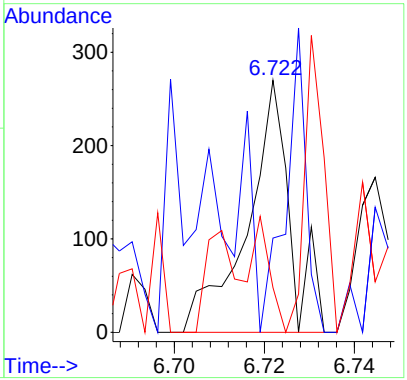


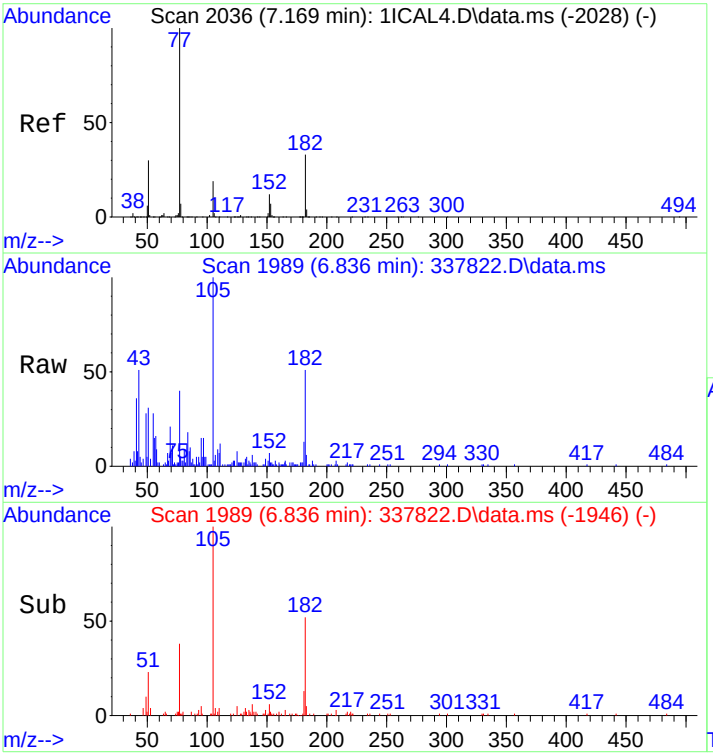


#65
Ntrsdiphlam&Diphlam
Concen: Below ug/mL
RT: 6.722 min Scan# 1949
Delta R.T. -0.091 min
Lab File: 337822.D
Acq: 22 Aug 13 7:05 pm

Tgt Ion:169 Resp: 178

Ion	Ratio	Lower	Upper
169	100		
168	37.4	34.5	94.5
167	17.8	4.6	64.6

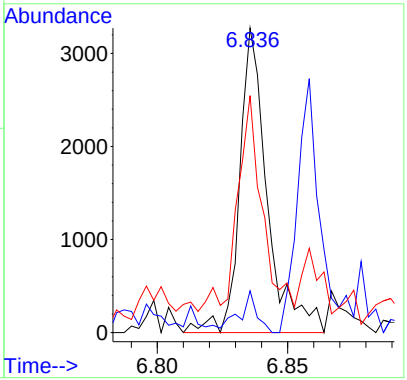


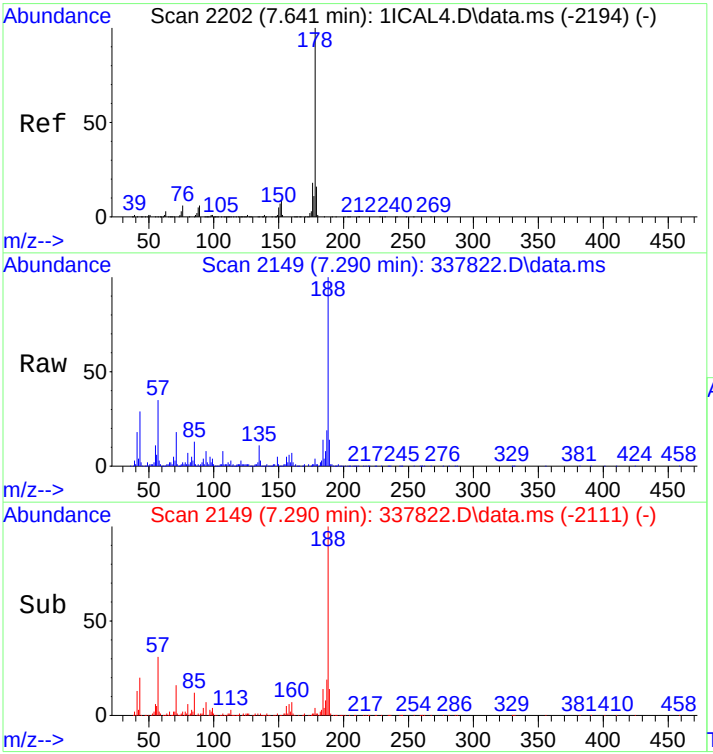


#66
Azobenz&12Diphlhyd
Concen: Below ug/mL
RT: 6.836 min Scan# 1989
Delta R.T. 0.008 min
Lab File: 337822.D
Acq: 22 Aug 13 7:05 pm

Tgt Ion:182 Resp: 2425

Ion	Ratio	Lower	Upper
182	100		
152	7.1	9.8	69.8#
77	68.6	337.4	397.4#

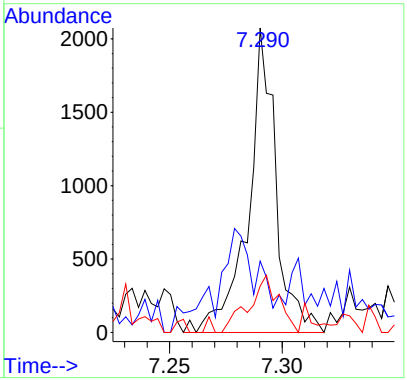


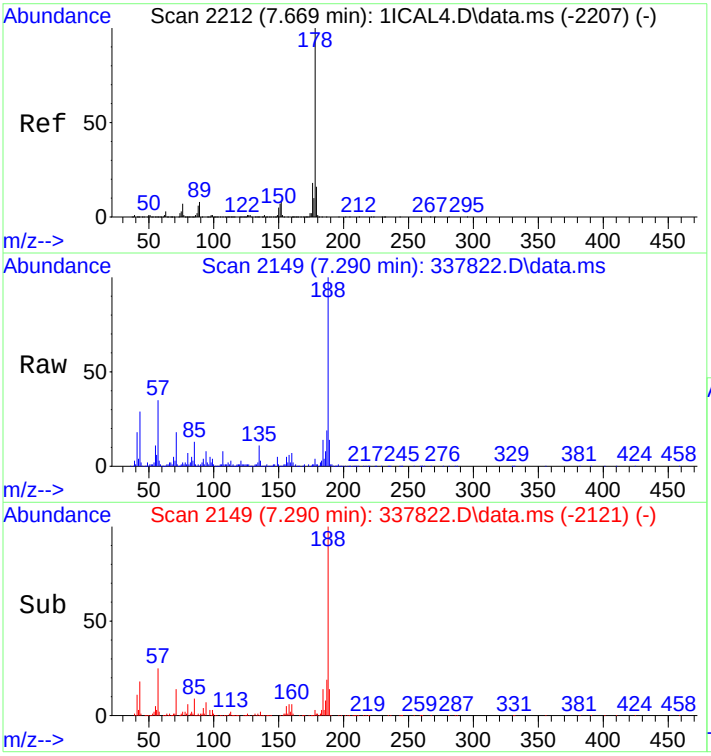


#70
Phenanthrene
Concen: 0.05 ug/mL
RT: 7.290 min Scan# 2149
Delta R.T. -0.006 min
Lab File: 337822.D
Acq: 22 Aug 13 7:05 pm

Tgt Ion:178 Resp: 1786

Ion	Ratio	Lower	Upper
178	100		
179	17.0	0.0	45.5
176	12.4	0.0	49.4

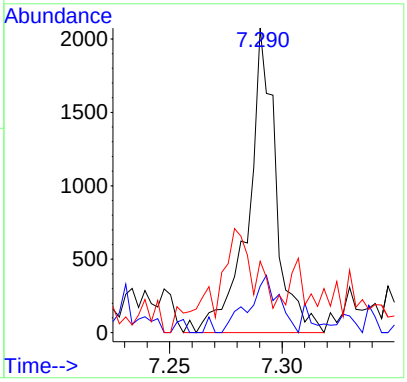


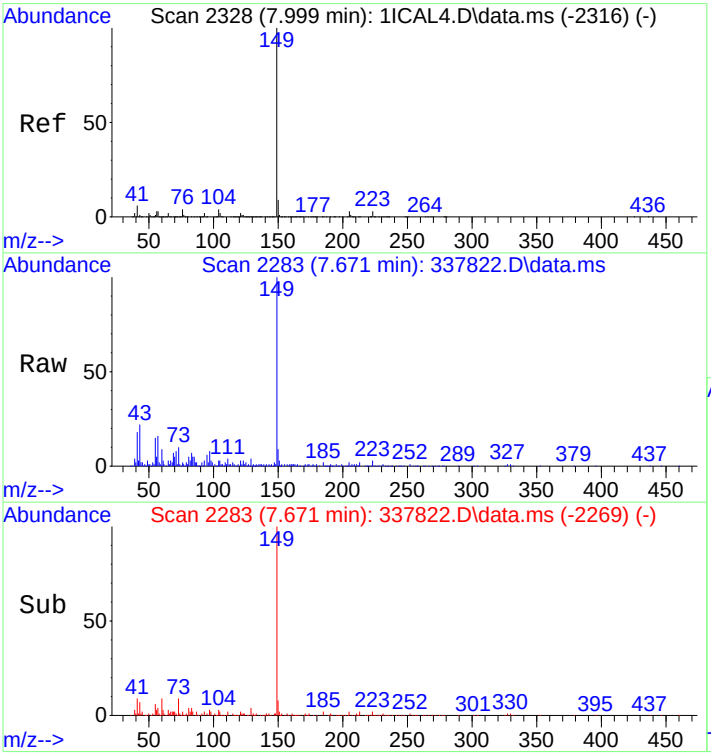


#71
Anthracene
Concen: 0.05 ug/mL
RT: 7.290 min Scan# 2149
Delta R.T. -0.034 min
Lab File: 337822.D
Acq: 22 Aug 13 7:05 pm

Tgt Ion:178 Resp: 1786

Ion	Ratio	Lower	Upper
178	100		
176	12.4	0.0	49.2
179	17.0	0.0	45.7

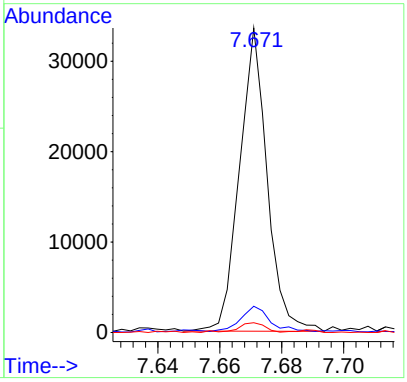


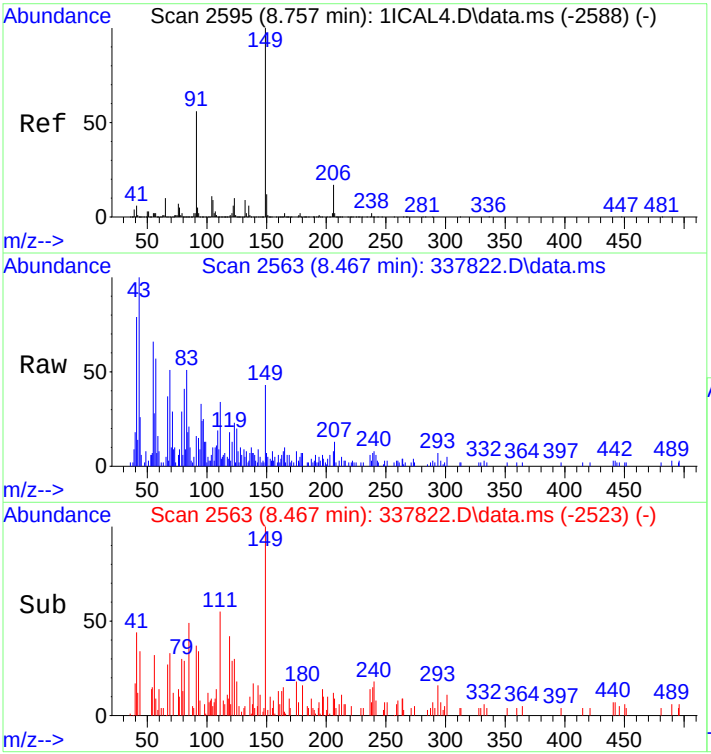


#73
Dinbtylphthal
Concen: 0.44 ug/mL
RT: 7.671 min Scan# 2283
Delta R.T. -0.000 min
Lab File: 337822.D
Acq: 22 Aug 13 7:05 pm

Tgt Ion:149 Resp: 20837

Ion	Ratio	Lower	Upper
149	100		
150	8.1	0.0	39.4
104	3.2	0.0	33.5

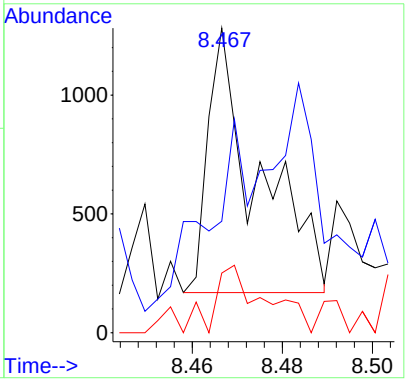


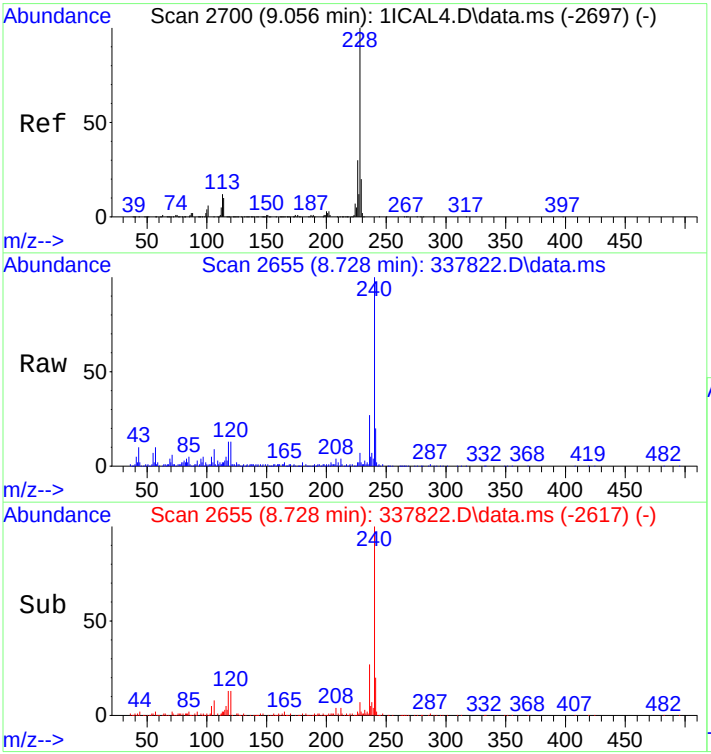


#79
Btylbzylphth
Concen: 0.08 ug/mL
RT: 8.467 min Scan# 2563
Delta R.T. -0.000 min
Lab File: 337822.D
Acq: 22 Aug 13 7:05 pm

Tgt Ion:149 Resp: 859

Ion	Ratio	Lower	Upper
149	100		
91	8.4	26.8	86.8#
206	22.6	0.0	42.4

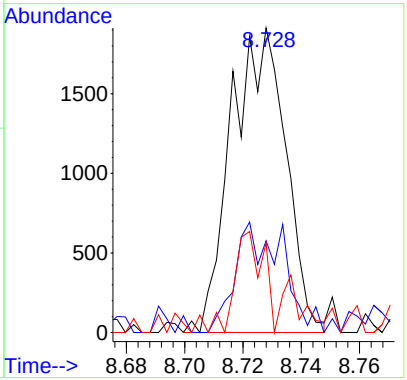


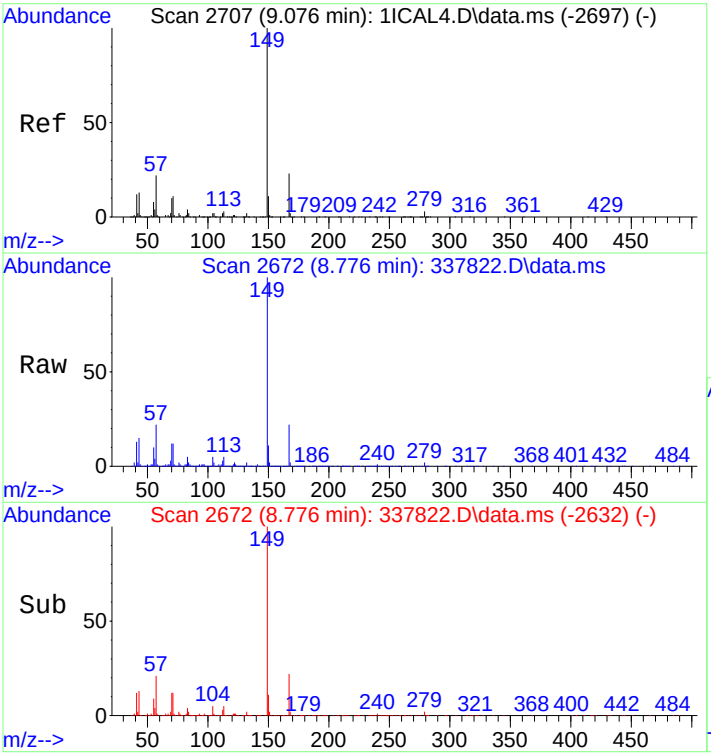


#83
Chrysene
Concen: 0.15 ug/mL
RT: 8.728 min Scan# 2655
Delta R.T. -0.006 min
Lab File: 337822.D
Acq: 22 Aug 13 7:05 pm

Tgt Ion:228 Resp: 2488

Ion	Ratio	Lower	Upper
228	100		
226	30.1	0.2	60.2
229	26.3	0.0	50.3

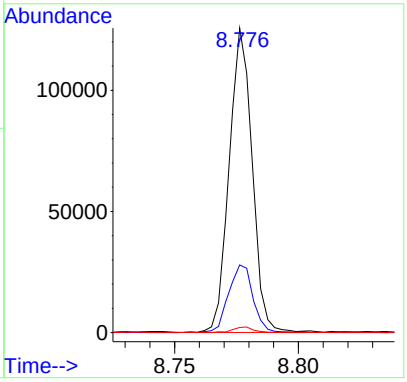




#84
bis2Ethlhxlph
Concen: 5.41 ug/mL
RT: 8.776 min Scan# 2672
Delta R.T. -0.000 min
Lab File: 337822.D
Acq: 22 Aug 13 7:05 pm

Tgt Ion:149 Resp: 81206

Ion	Ratio	Lower	Upper
149	100		
167	22.2	0.0	55.0
279	1.6	0.0	31.6



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337824.D Vial: 21
Acq On : 22 Aug 2013 19:24 Operator: RPN
Sample : 97038,337824, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:25:36 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

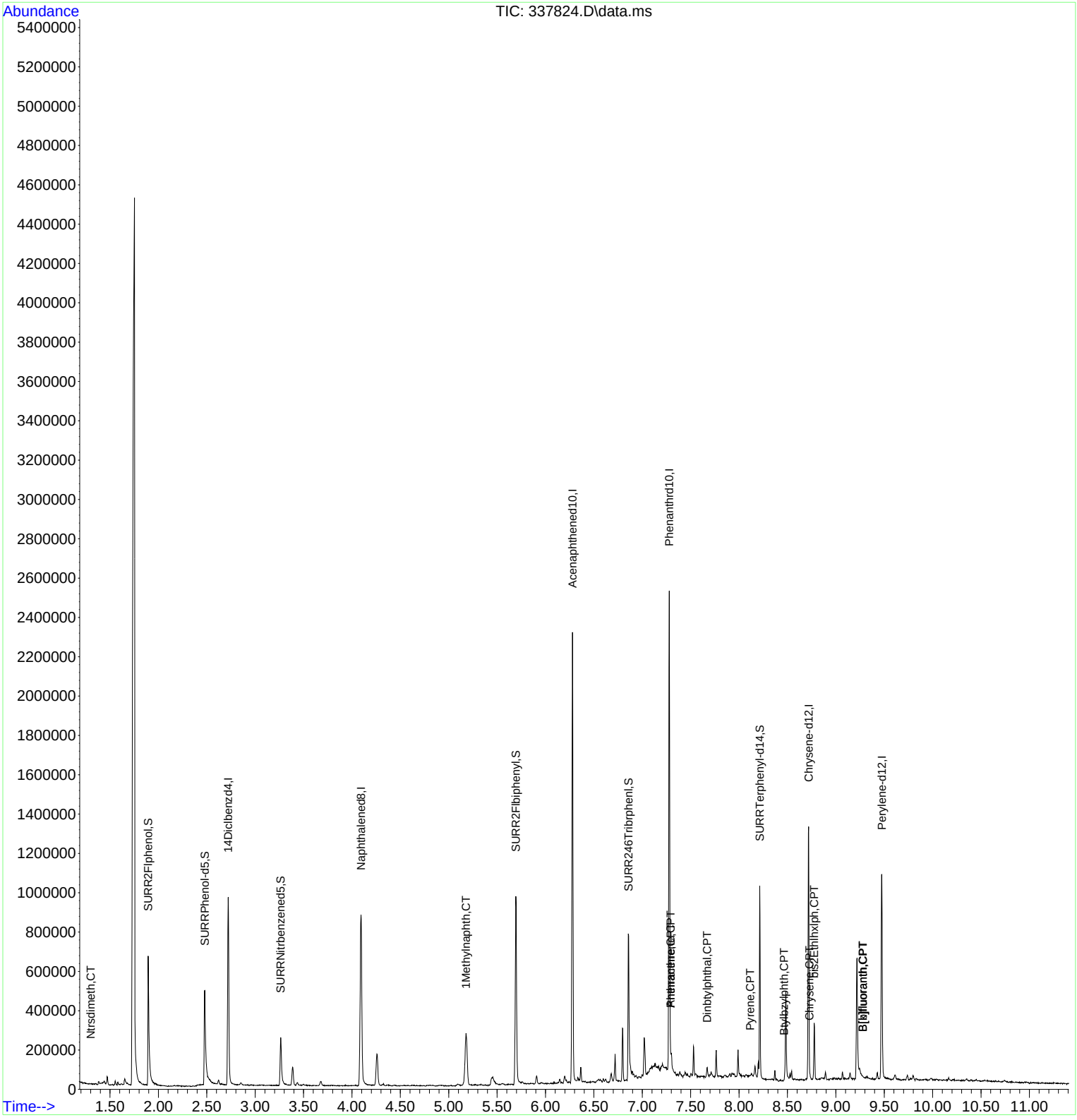
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	163094	20.00	ug/mL	0.00
21) Naphthalened8	4.093	136	581200	20.00	ug/mL	0.00
39) Acenaphthened10	6.278	164	472160	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	690217	20.00	ug/mL	0.00
75) Chrysene-d12	8.719	240	316687	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	306473	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.894	112	206254	46.39	%REC	0.01
Spiked Amount 100.000	Range 20 - 110		Recovery = 46.39%			
7) SURRPhenol-d5	2.479	99	241242	50.87	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 50.87%			
22) SURRNitrbenzened5	3.264	82	90866	53.94	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 53.94%			
44) SURR2Flbiphenyl	5.693	172	351966	56.70	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 56.70%			
62) SURR246Tribrphenl	6.858	330	87476	55.99	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 55.99%			
78) SURRTerphenyl-d14	8.213	244	201170	63.70	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 63.70%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.300	74	1174	0.1977	ug/mL#	36
38) 1Methylnaphth	5.179	141	984	0.0391	ug/mL#	1
48) Dimethylphtha	6.148	163	1136	Below Cal		96
60) Diethylphthal	6.685	149	2617	Below Cal		81
65) Ntrsdiphlam&Diphlam	6.821	169	271	Below Cal	#	41
66) Azobenz&12Diphlhyd	6.835	182	1332	Below Cal	#	1
70) Phenanthrene	7.293	178	2194	0.0620	ug/mL	95
71) Anthracene	7.293	178	2175	0.0592	ug/mL	95
73) Dinbtylphthal	7.671	149	12050	0.2555	ug/mL	94
77) Pyrene	8.114	202	985	0.0247	ug/mL	76
79) Btylbzylphth	8.464	149	1127	0.1010	ug/mL	81
83) Chrysene	8.728	228	2492	0.1494	ug/mL	85
84) bis2Ethlhxlph	8.776	149	70107	4.7125	ug/mL	97
87) B[b]fluoranth	9.279	252	793	0.0455	ug/mL	68
88) B[k]fluoranth	9.279	252	769	0.0478	ug/mL	93

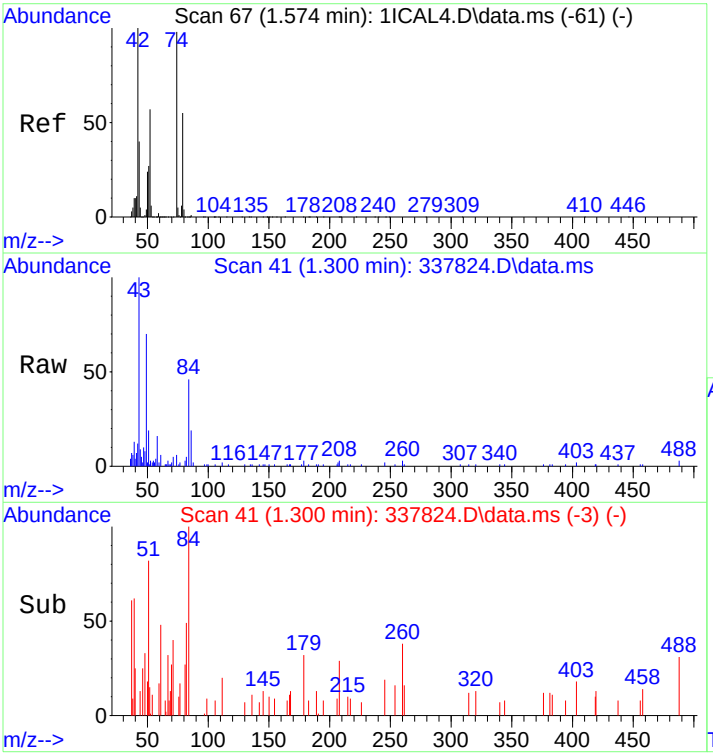
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337824.D Vial: 21
Acq On : 22 Aug 2013 19:24 Operator: RPN
Sample : 97038,337824, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:25:36 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

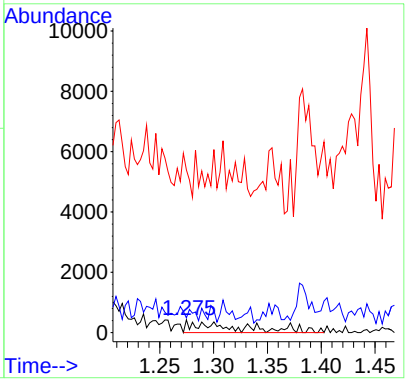


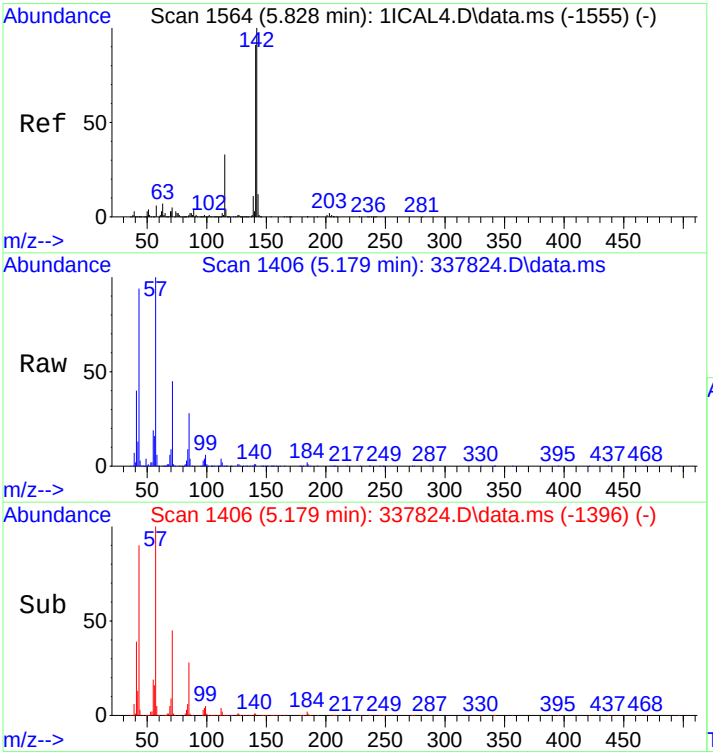


#2
Ntrsdimeth
Concen: 0.20 ug/mL
RT: 1.300 min Scan# 41
Delta R.T. 0.008 min
Lab File: 337824.D
Acq: 22 Aug 13 7:24 pm

Tgt Ion: 74 Resp: 1174

Ion	Ratio	Lower	Upper
74	100		
42	9.3	61.9	121.9#
43	33.4	11.4	71.4

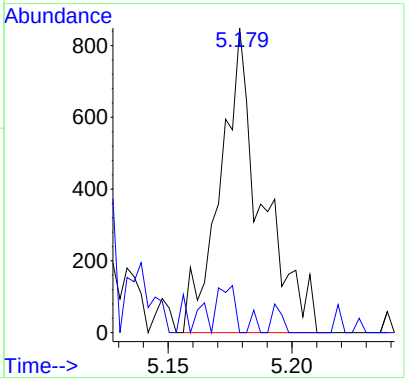


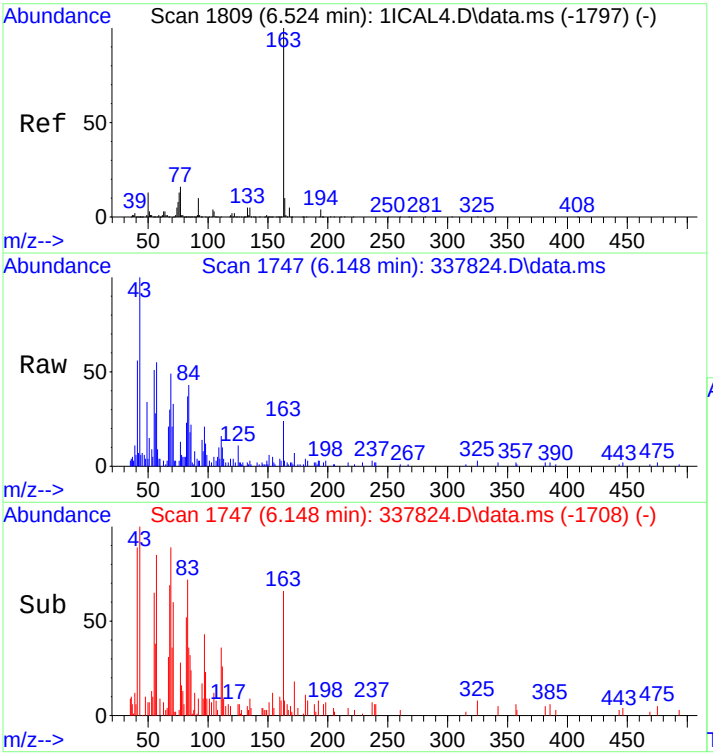


#38
1Methylnaphth
Concen: 0.04 ug/mL
RT: 5.179 min Scan# 1406
Delta R.T. -0.091 min
Lab File: 337824.D
Acq: 22 Aug 13 7:24 pm

Tgt Ion:141 Resp: 984

Ion	Ratio	Lower	Upper
141	100		
142	0.0	83.3	143.3#

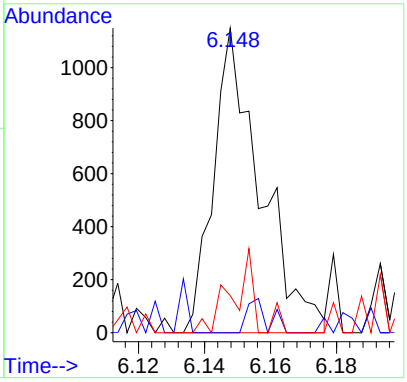


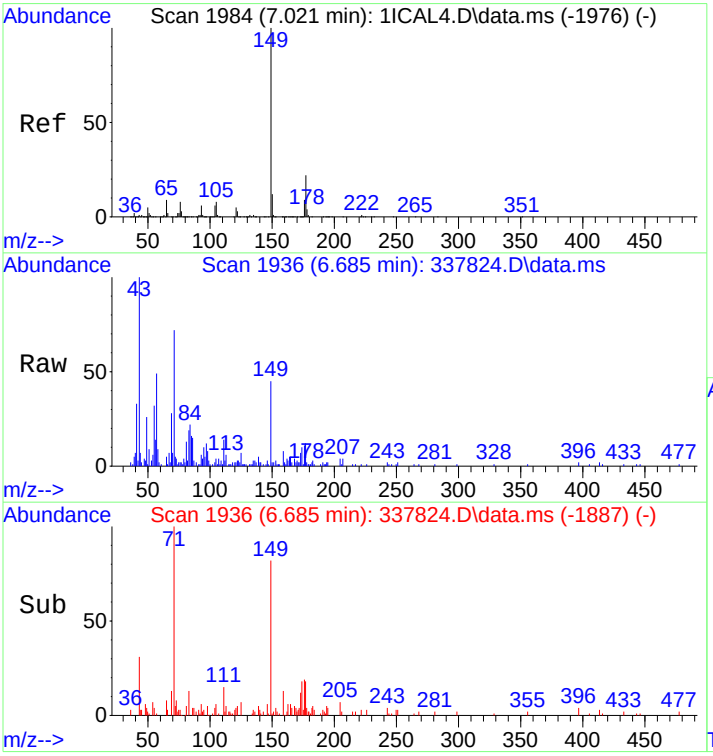


#48
Dimethylphtha
Concen: Below ug/mL
RT: 6.148 min Scan# 1747
Delta R.T. -0.009 min
Lab File: 337824.D
Acq: 22 Aug 13 7:24 pm

Tgt Ion:163 Resp: 1136

Ion	Ratio	Lower	Upper
163	100		
194	0.0	0.0	33.1
164	10.9	0.0	40.2

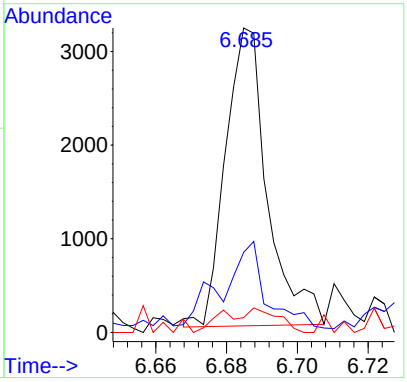


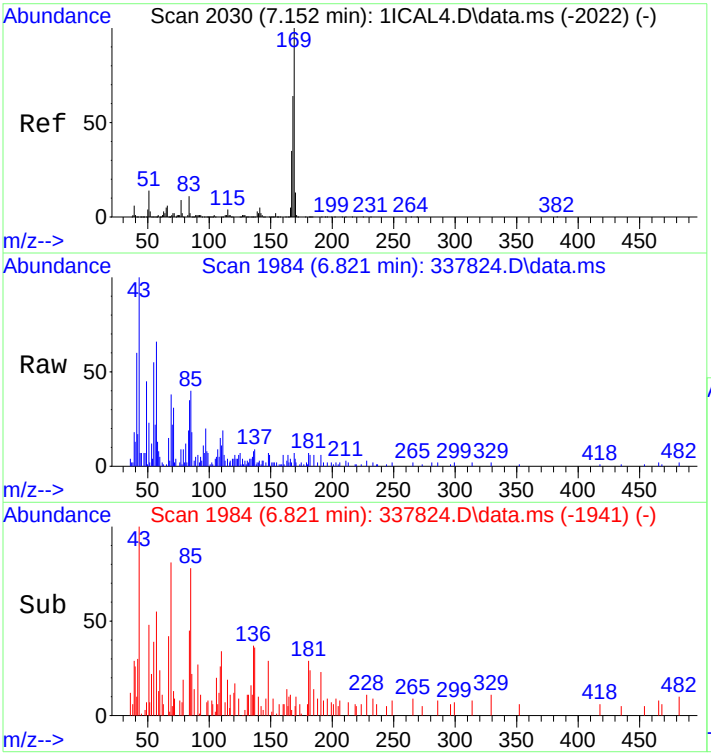


#60
Diethylphthal
Concen: Below ug/mL
RT: 6.685 min Scan# 1936
Delta R.T. -0.006 min
Lab File: 337824.D
Acq: 22 Aug 13 7:24 pm

Tgt Ion:149 Resp: 2617

Ion	Ratio	Lower	Upper
149	100		
177	25.5	0.0	49.9
150	0.5	0.0	42.4

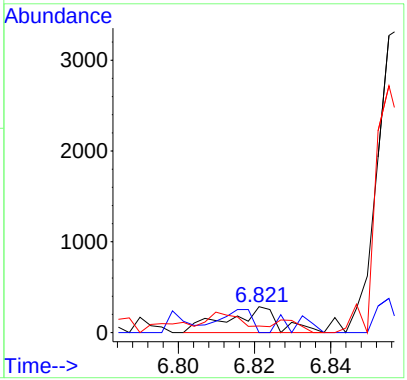


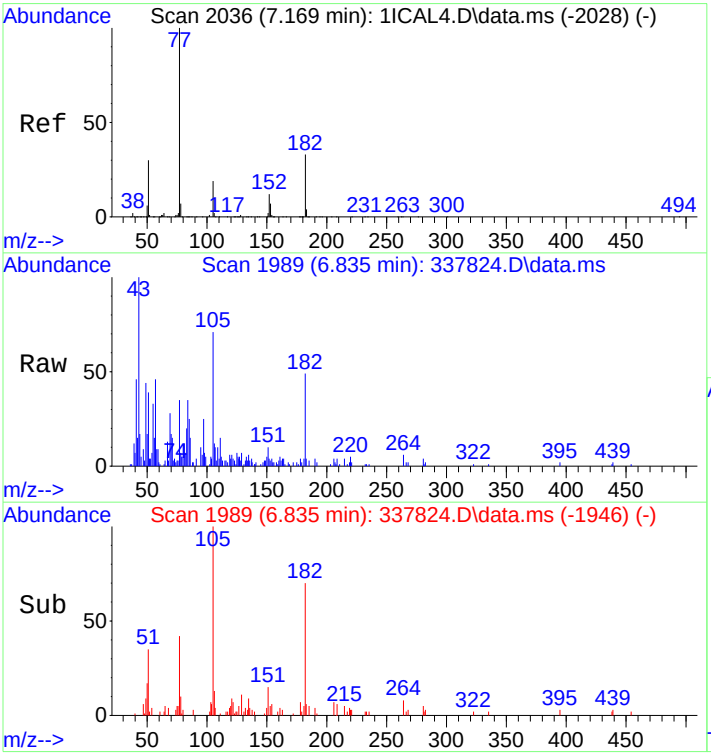


#65
Ntrsdiphlam&Diphlam
Concen: Below ug/mL
RT: 6.821 min Scan# 1984
Delta R.T. 0.008 min
Lab File: 337824.D
Acq: 22 Aug 13 7:24 pm

Tgt Ion:169 Resp: 271

Ion	Ratio	Lower	Upper
169	100		
168	0.0	34.5	94.5#
167	24.9	4.6	64.6

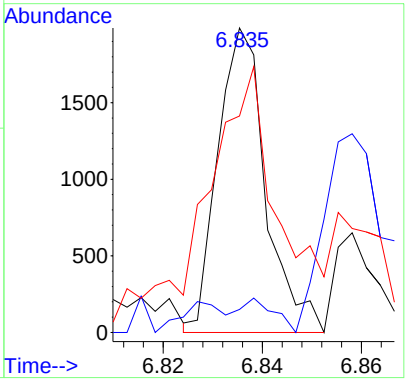


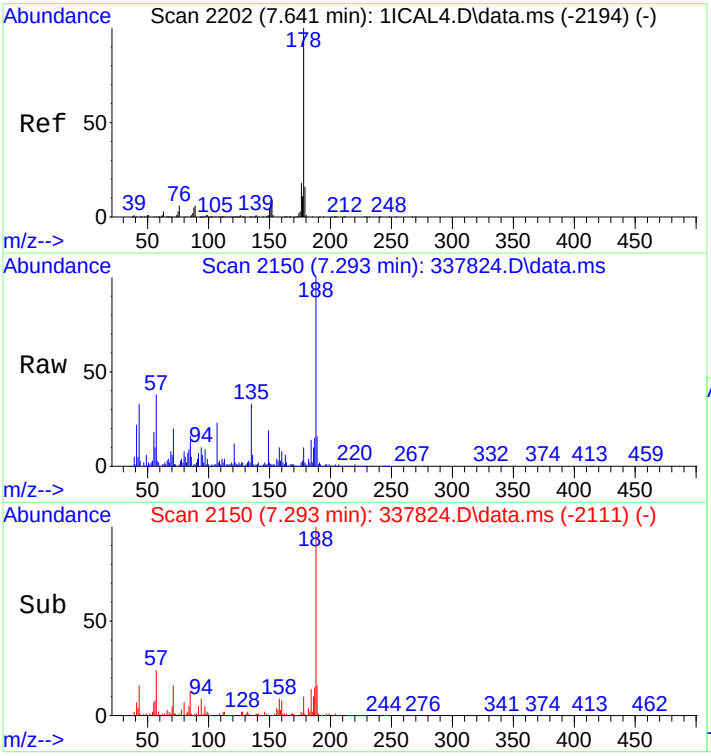


#66
Azobenz&12Diphlhyd
Concen: Below ug/mL
RT: 6.835 min Scan# 1989
Delta R.T. 0.008 min
Lab File: 337824.D
Acq: 22 Aug 13 7:24 pm

Tgt Ion:182 Resp: 1332

Ion	Ratio	Lower	Upper
182	100		
152	2.5	9.8	69.8#
77	58.9	337.4	397.4#

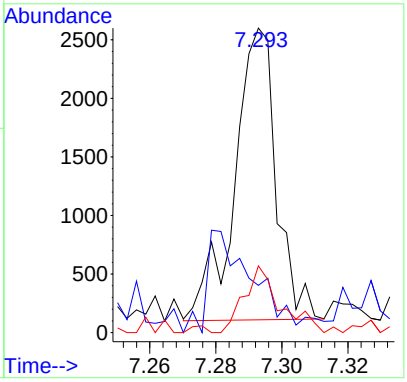


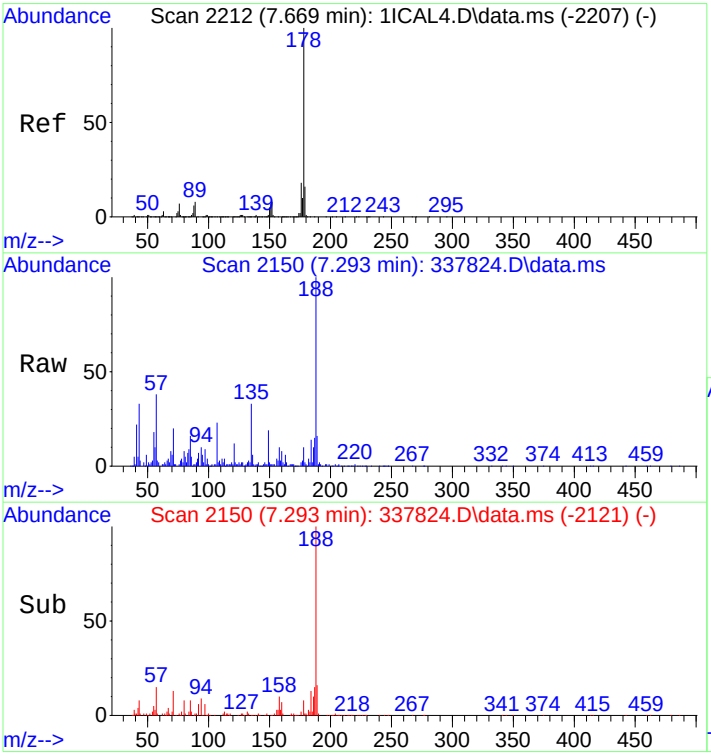


#70
Phenanthrene
Concen: 0.06 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.003 min
Lab File: 337824.D
Acq: 22 Aug 13 7:24 pm

Tgt Ion:178 Resp: 2194

Ion	Ratio	Lower	Upper
178	100		
179	16.2	0.0	45.5
176	22.9	0.0	49.4

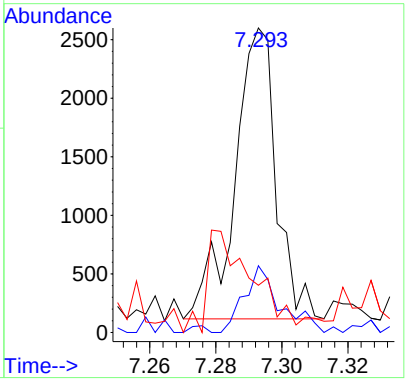


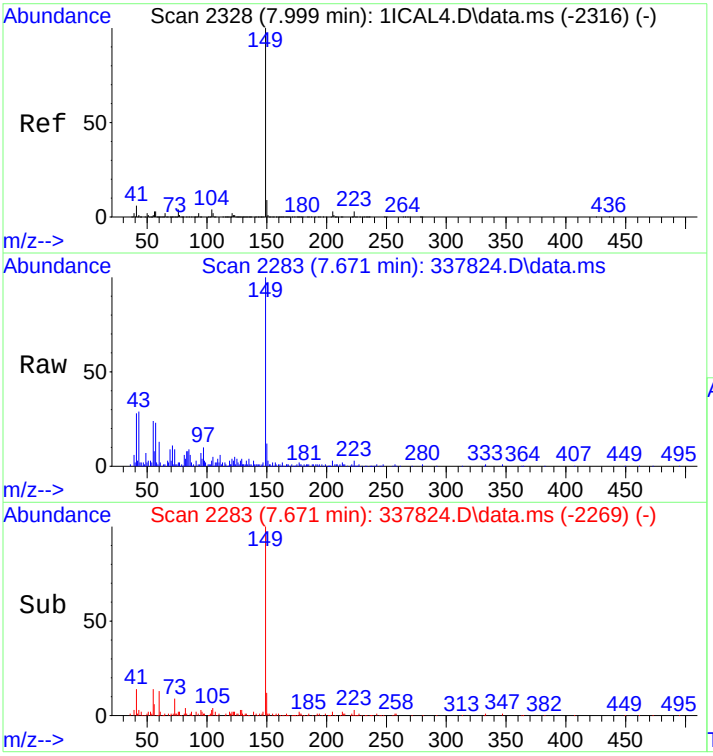


#71
Anthracene
Concen: 0.06 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.032 min
Lab File: 337824.D
Acq: 22 Aug 13 7:24 pm

Tgt Ion:178 Resp: 2175

Ion	Ratio	Lower	Upper
178	100		
176	22.9	0.0	49.2
179	16.2	0.0	45.7

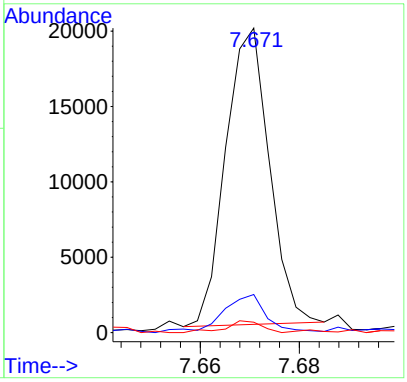


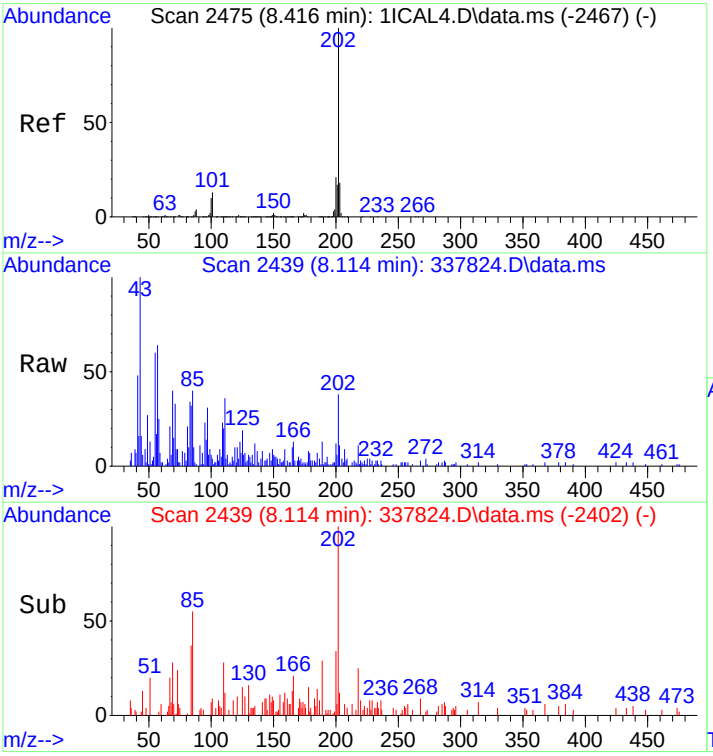


#73
Dinbtylphthal
Concen: 0.26 ug/mL
RT: 7.671 min Scan# 2283
Delta R.T. -0.000 min
Lab File: 337824.D
Acq: 22 Aug 13 7:24 pm

Tgt Ion:149 Resp: 12050

Ion	Ratio	Lower	Upper
149	100		
150	12.3	0.0	39.4
104	3.5	0.0	33.5

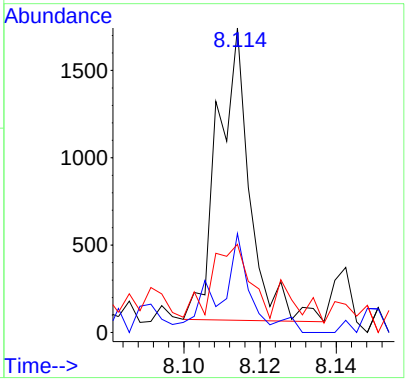


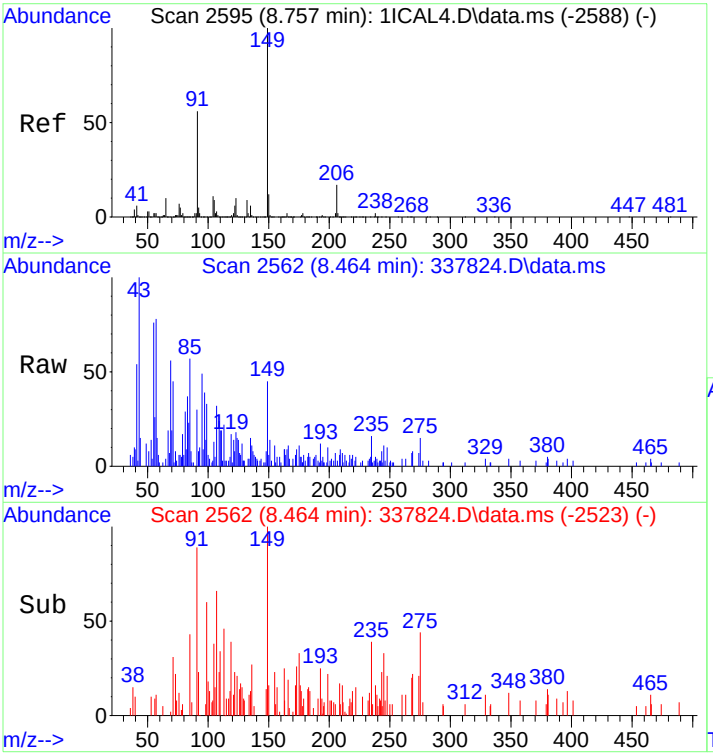


#77
Pyrene
Concen: 0.02 ug/mL
RT: 8.114 min Scan# 2439
Delta R.T. 0.005 min
Lab File: 337824.D
Acq: 22 Aug 13 7:24 pm

Tgt Ion:202 Resp: 985

Ion	Ratio	Lower	Upper
202	100		
200	33.7	0.0	50.3
203	26.9	0.0	48.5

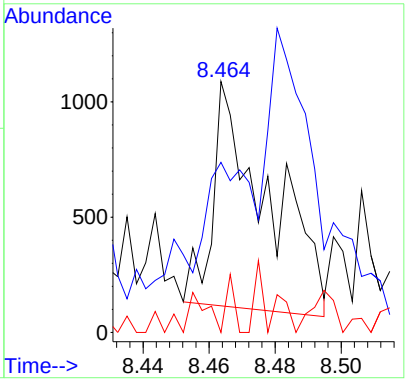


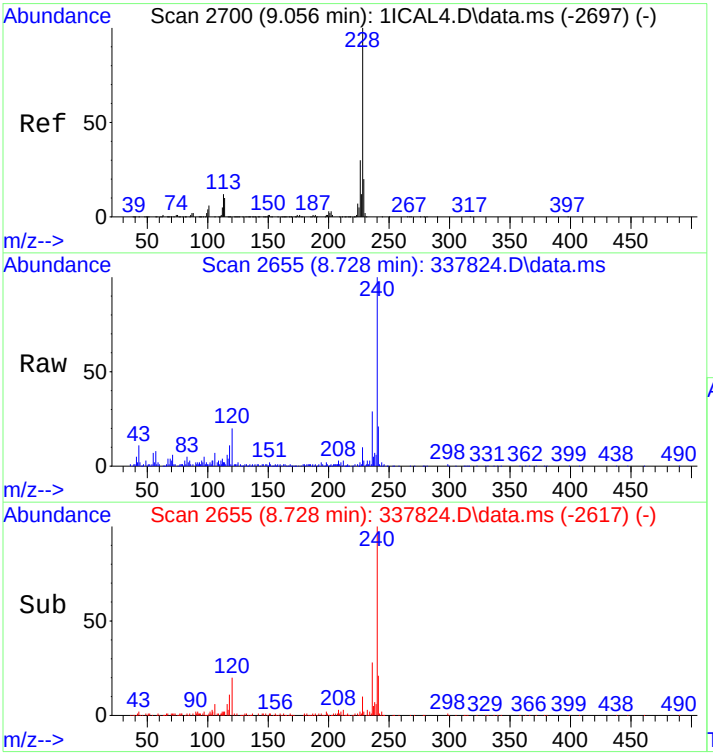


#79
Btylbzylphth
Concen: 0.10 ug/mL
RT: 8.464 min Scan# 2562
Delta R.T. -0.003 min
Lab File: 337824.D
Acq: 22 Aug 13 7:24 pm

Tgt Ion:149 Resp: 1127

Ion	Ratio	Lower	Upper
149	100		
91	42.0	26.8	86.8
206	7.6	0.0	42.4

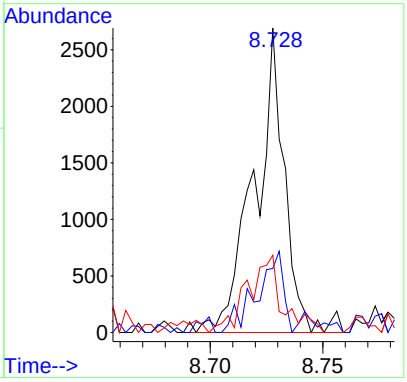


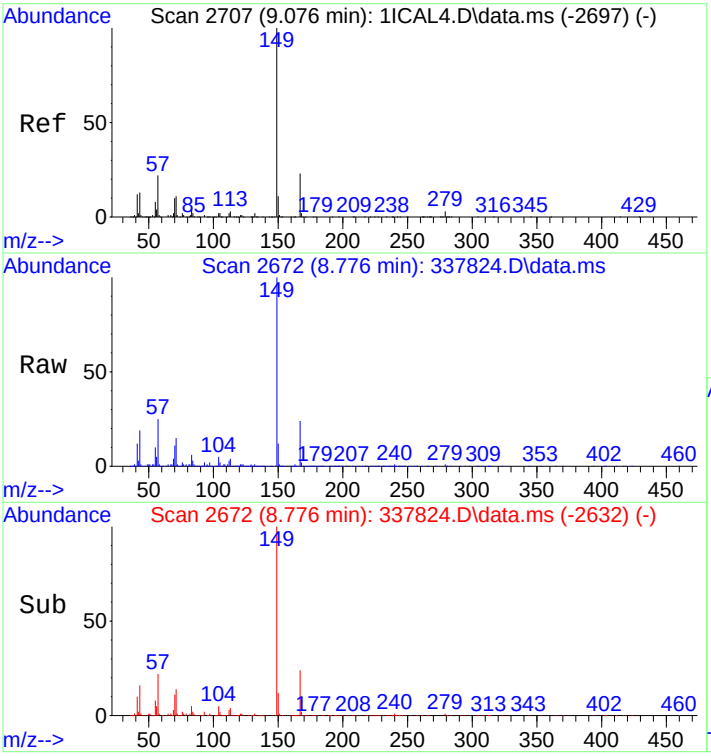


#83
Chrysene
Concen: 0.15 ug/mL
RT: 8.728 min Scan# 2655
Delta R.T. -0.006 min
Lab File: 337824.D
Acq: 22 Aug 13 7:24 pm

Tgt Ion:228 Resp: 2492

Ion	Ratio	Lower	Upper
228	100		
226	21.0	0.2	60.2
229	25.4	0.0	50.3

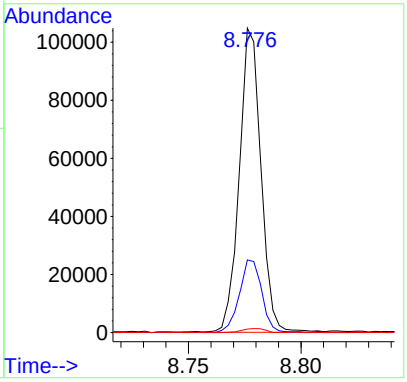


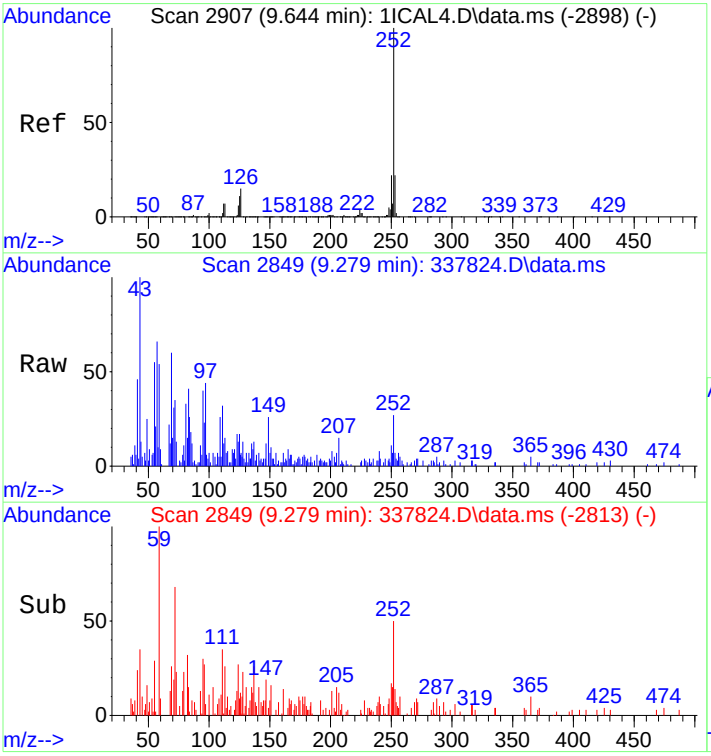


#84
bis2Ethlhxlph
Concen: 4.71 ug/mL
RT: 8.776 min Scan# 2672
Delta R.T. -0.000 min
Lab File: 337824.D
Acq: 22 Aug 13 7:24 pm

Tgt Ion:149 Resp: 70107

Ion	Ratio	Lower	Upper
149	100		
167	23.7	0.0	55.0
279	1.2	0.0	31.6

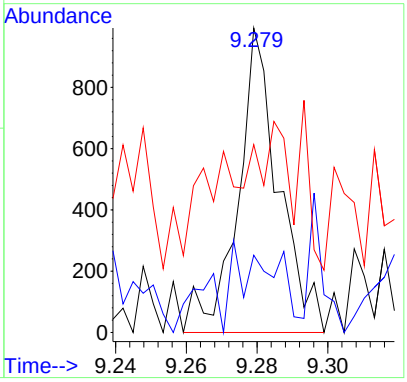


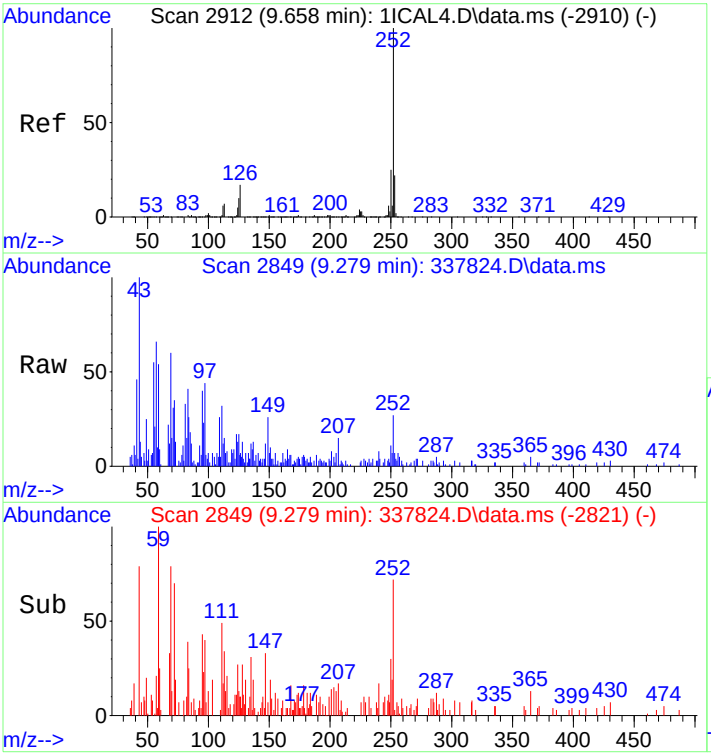


#87
B[b]fluoranth
Concen: 0.05 ug/mL
RT: 9.279 min Scan# 2849
Delta R.T. 0.003 min
Lab File: 337824.D
Acq: 22 Aug 13 7:24 pm

Tgt Ion:252 Resp: 793

Ion	Ratio	Lower	Upper
252	100		
253	16.0	0.0	52.8
125	41.2	0.0	46.4

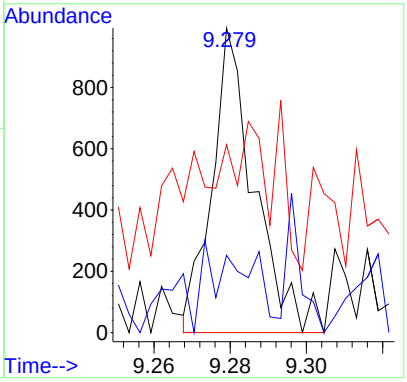




#88
B[k]fluoranth
Concen: 0.05 ug/mL
RT: 9.279 min Scan# 2849
Delta R.T. -0.012 min
Lab File: 337824.D
Acq: 22 Aug 13 7:24 pm

Tgt Ion:252 Resp: 769

Ion	Ratio	Lower	Upper
252	100		
253	25.4	0.0	52.3
125	18.7	0.0	45.8



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337826.D Vial: 22
Acq On : 22 Aug 2013 19:42 Operator: RPN
Sample : 97038,337826, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:27:28 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

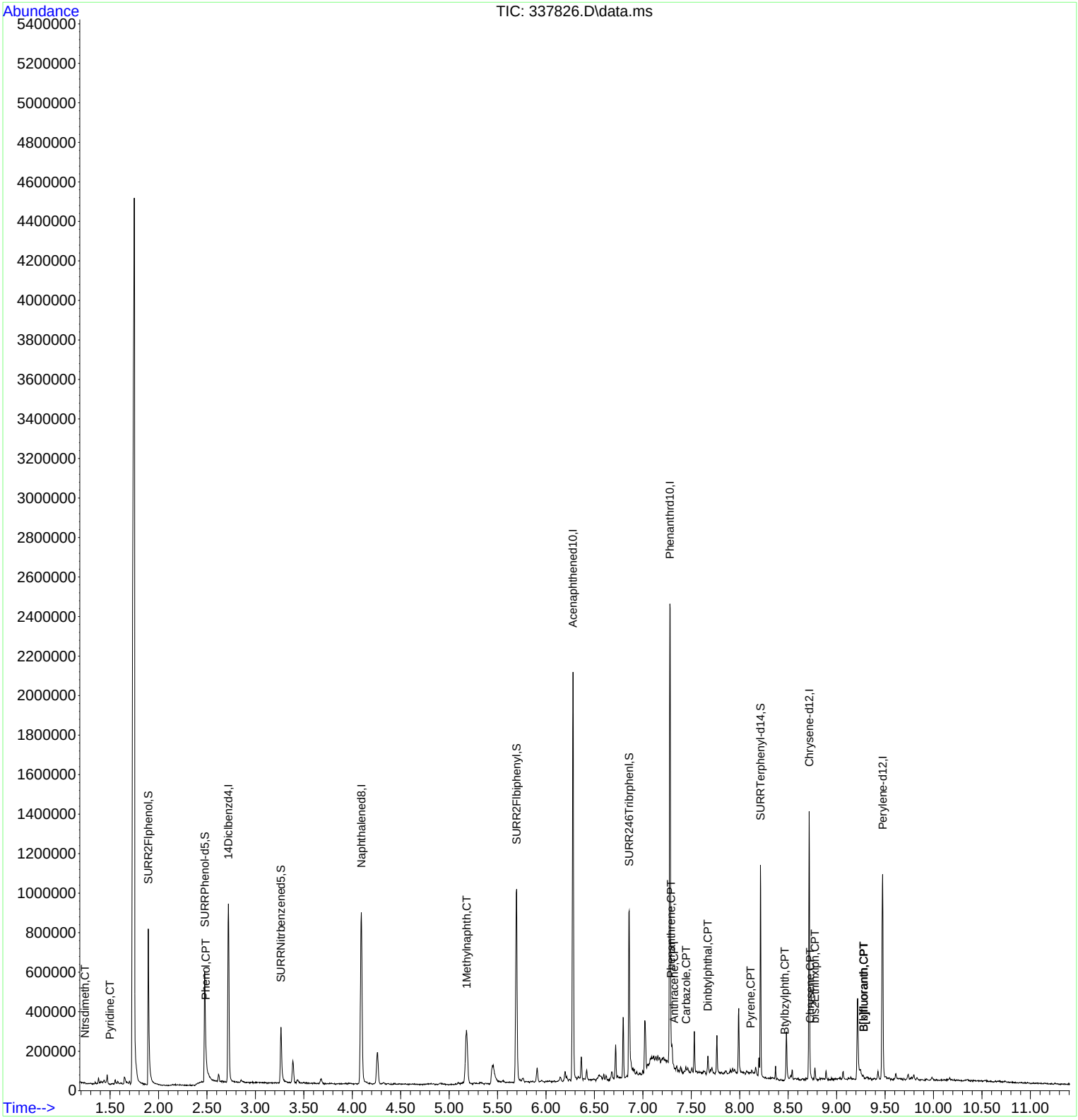
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	158308	20.00	ug/mL	0.00
21) Naphthalened8	4.094	136	575663	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	449256	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	703322	20.00	ug/mL	0.00
75) Chrysene-d12	8.717	240	314282	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	307544	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.894	112	231746	53.70	%REC	0.01
Spiked Amount 100.000	Range 20 - 110		Recovery = 53.70%			
7) SURRPhenol-d5	2.477	99	266791	57.96	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 57.96%			
22) SURRNitrbenzened5	3.264	82	104063	62.37	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 62.37%			
44) SURR2Flbiphenyl	5.696	172	387244	65.56	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 65.56%			
62) SURR246Tribrphenl	6.858	330	98777	66.44	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 66.44%			
78) SURRTerphenyl-d14	8.214	244	212080	67.67	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 67.67%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.241	74	1186	0.2058	ug/mL#	1
3) Pyridine	1.499	79	923	0.0853	ug/mL#	34
8) Phenol	2.488	94	1180	0.0873	ug/mL#	1
38) 1Methylnaphth	5.182	141	1018	0.0409	ug/mL#	1
48) Dimethylphtha	6.148	163	1135	Below Cal		97
60) Diethylphthal	6.685	149	3651	Below Cal		97
65) Ntrsdiphlam&Diphlam	6.830	169	148	Below Cal		77
66) Azobenz&12Diphlhyd	6.838	182	1475	Below Cal	#	1
70) Phenanthrene	7.290	178	7483	0.2077	ug/mL	92
71) Anthracene	7.324	178	1010	0.0270	ug/mL	89
72) Carbazole	7.447	167	1243	0.0352	ug/mL	60
73) Dinbtylphthal	7.671	149	19426	0.4042	ug/mL	97
77) Pyrene	8.111	202	1507	0.0381	ug/mL	86
79) Btylbzylphth	8.467	149	1582	0.1428	ug/mL	65
83) Chrysene	8.728	228	2930	0.1770	ug/mL	84
84) bis2Ethlhxlph	8.776	149	13565	0.9188	ug/mL	90
87) B[b]fluoranth	9.279	252	588	0.0336	ug/mL#	1
88) B[k]fluoranth	9.279	252	537	0.0333	ug/mL#	1

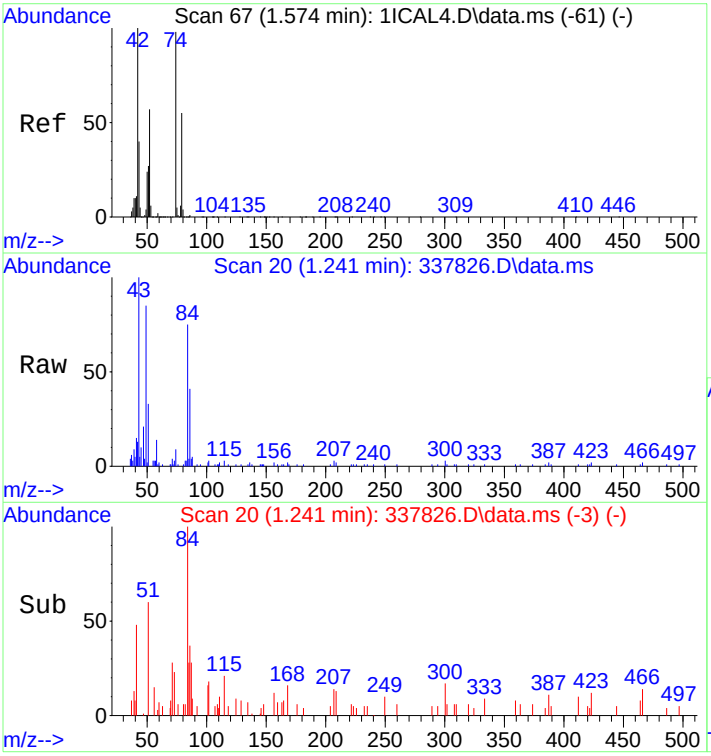
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337826.D Vial: 22
Acq On : 22 Aug 2013 19:42 Operator: RPN
Sample : 97038,337826, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:27:28 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

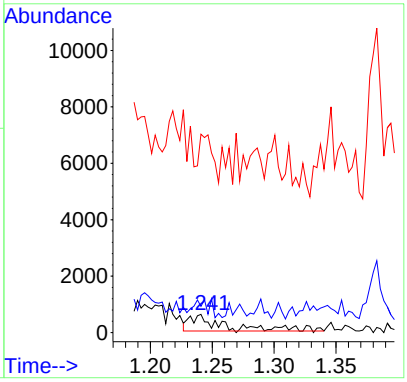


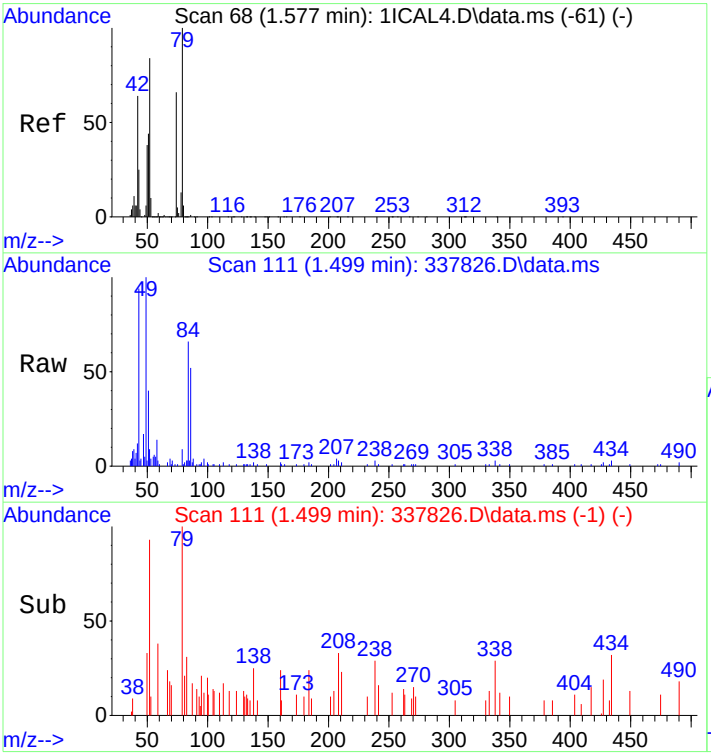


#2
Ntrsdimeth
Concen: 0.21 ug/mL
RT: 1.241 min Scan# 20
Delta R.T. -0.051 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion: 74 Resp: 1186

Ion	Ratio	Lower	Upper
74	100		
42	6.4	61.9	121.9#
43	266.0	11.4	71.4#

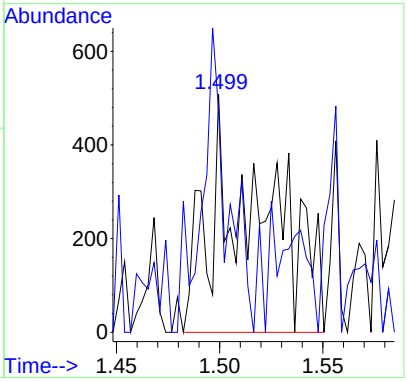


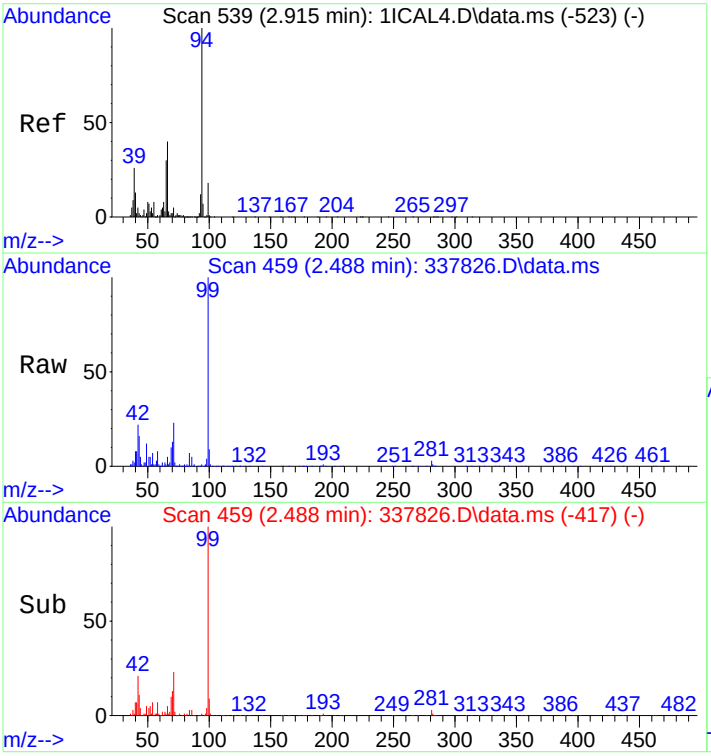


#3
Pyridine
Concen: 0.09 ug/mL
RT: 1.499 min Scan# 111
Delta R.T. 0.207 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion: 79 Resp: 923

Ion	Ratio	Lower	Upper
79	100		
52	22.8	51.7	111.7#

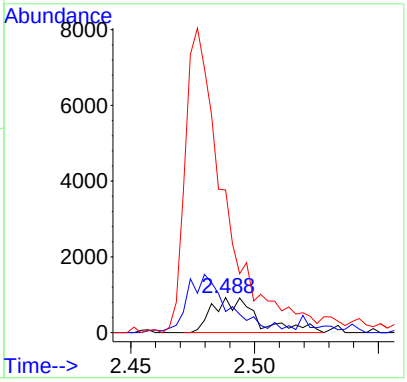


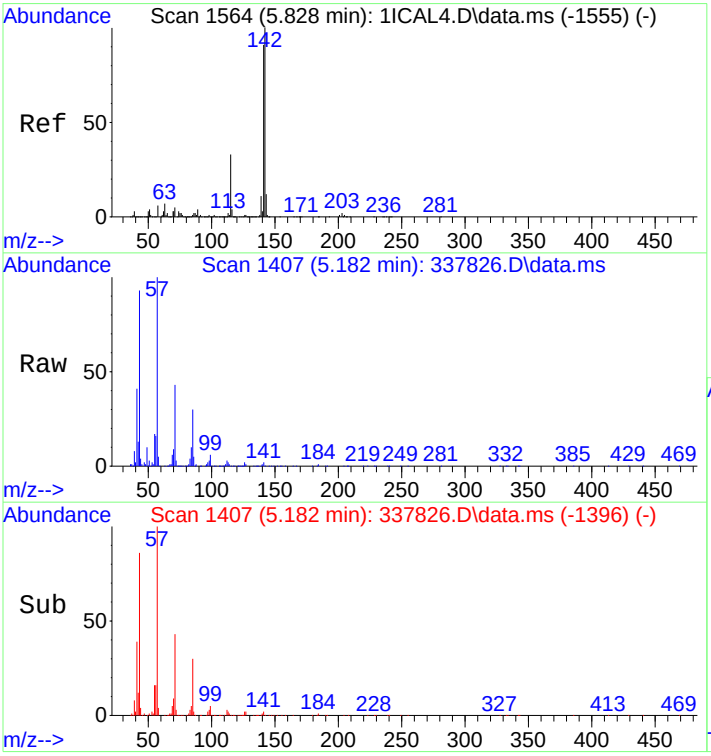


#8
Phenol
Concen: 0.09 ug/mL
RT: 2.488 min Scan# 459
Delta R.T. 0.006 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion: 94 Resp: 1180

Ion	Ratio	Lower	Upper
94	100		
65	1.6	0.0	54.1
66	362.3	0.8	60.8#

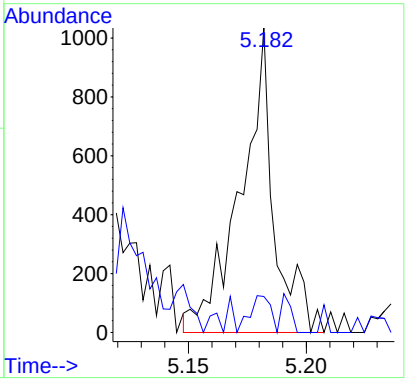


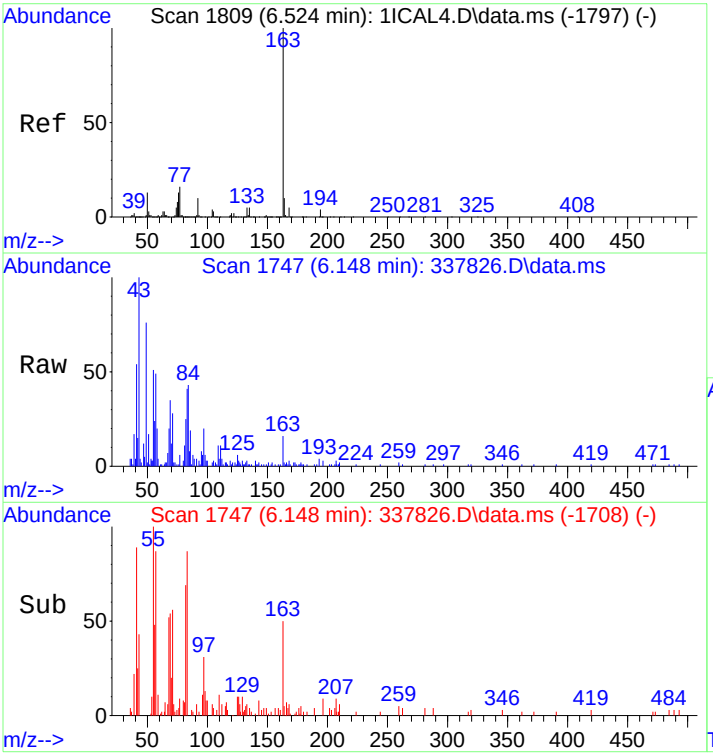


#38
1Methylnaphth
Concen: 0.04 ug/mL
RT: 5.182 min Scan# 1407
Delta R.T. -0.088 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion:141 Resp: 1018

Ion	Ratio	Lower	Upper
141	100		
142	2.7	83.3	143.3#

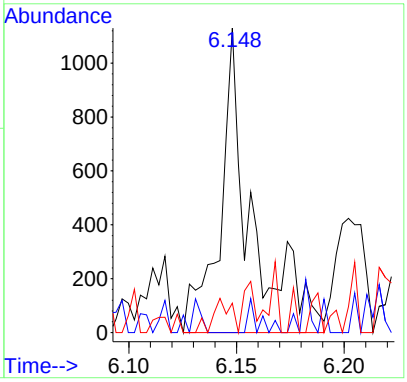


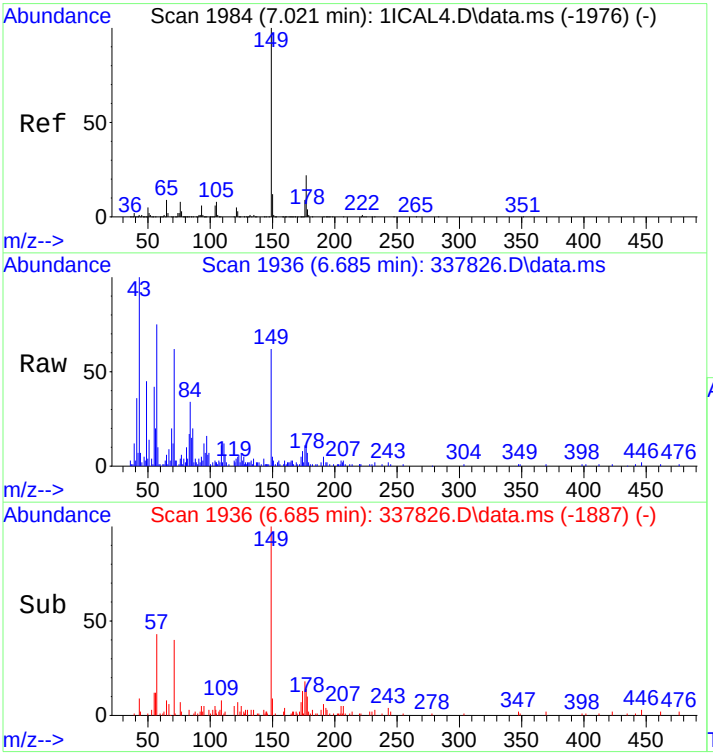


#48
Dimethylphtha
Concen: Below ug/mL
RT: 6.148 min Scan# 1747
Delta R.T. -0.009 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion:163 Resp: 1135

Ion	Ratio	Lower	Upper
163	100		
194	0.0	0.0	33.1
164	9.6	0.0	40.2

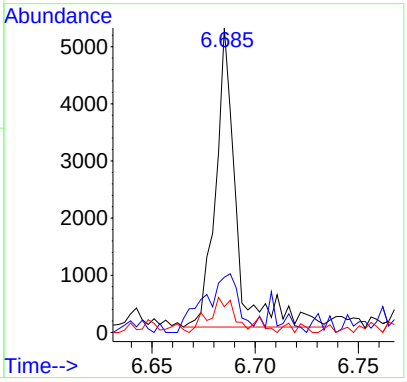


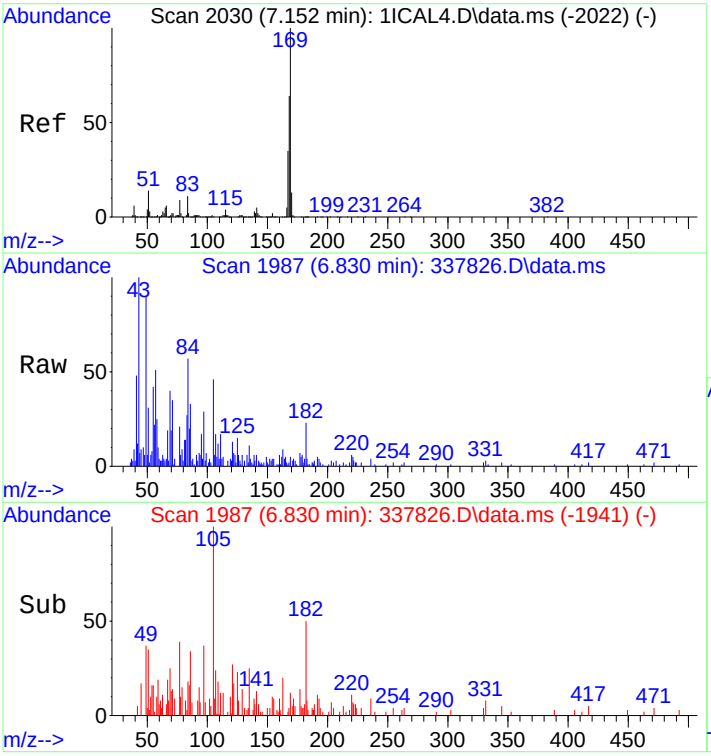


#60
Diethylphthal
Concen: Below ug/mL
RT: 6.685 min Scan# 1936
Delta R.T. -0.006 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion:149 Resp: 3651

Ion	Ratio	Lower	Upper
149	100		
177	17.7	0.0	49.9
150	12.8	0.0	42.4

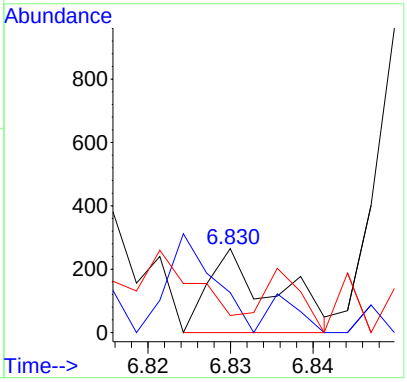


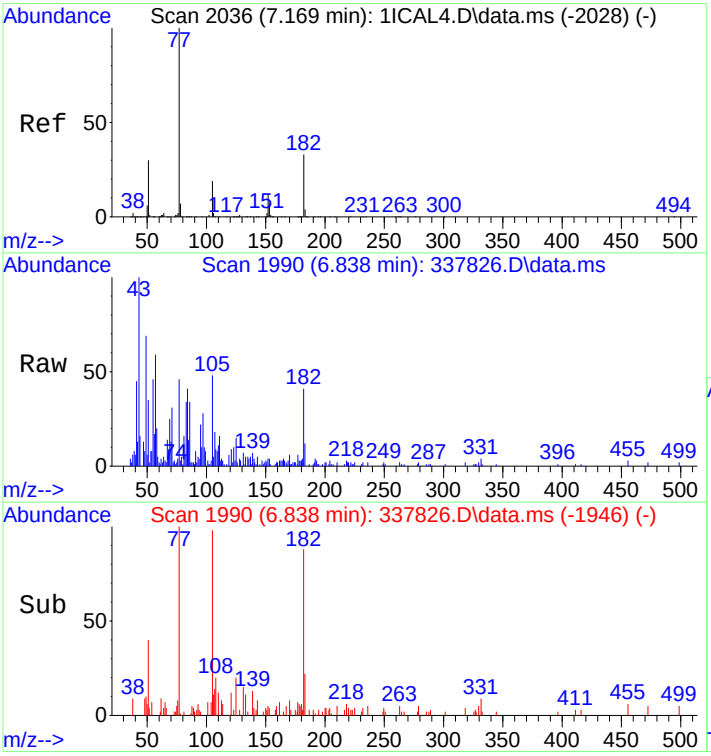


#65
Ntrsdiphlam&Diphlam
Concen: Below ug/mL
RT: 6.830 min Scan# 1987
Delta R.T. 0.017 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion:169 Resp: 148

Ion	Ratio	Lower	Upper
169	100		
168	47.5	34.5	94.5
167	20.4	4.6	64.6

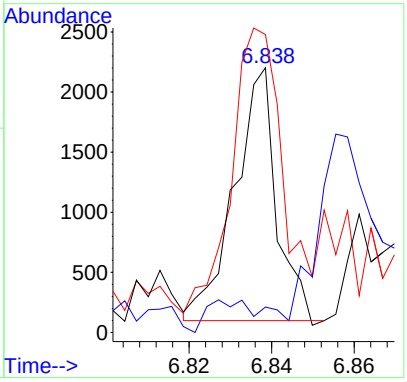


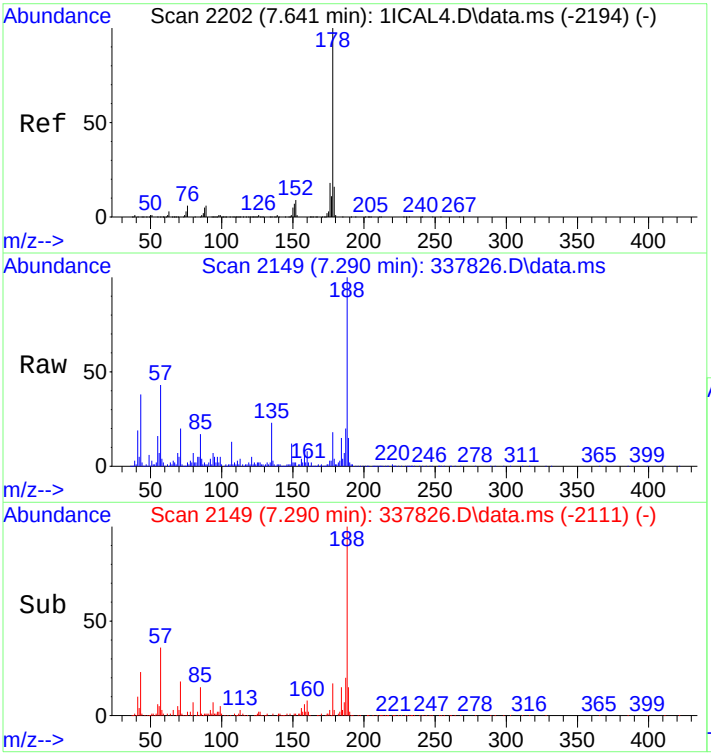


#66
Azobenz&12Diphlhyd
Concen: Below ug/mL
RT: 6.838 min Scan# 1990
Delta R.T. 0.011 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion:182 Resp: 1475

Ion	Ratio	Lower	Upper
182	100		
152	7.7	9.8	69.8#
77	110.2	337.4	397.4#

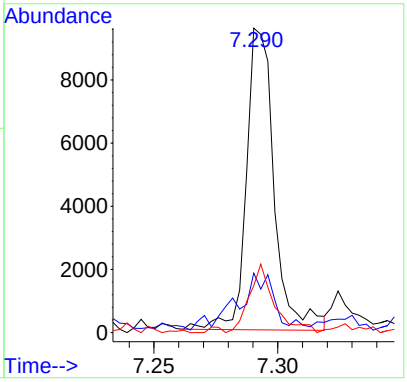


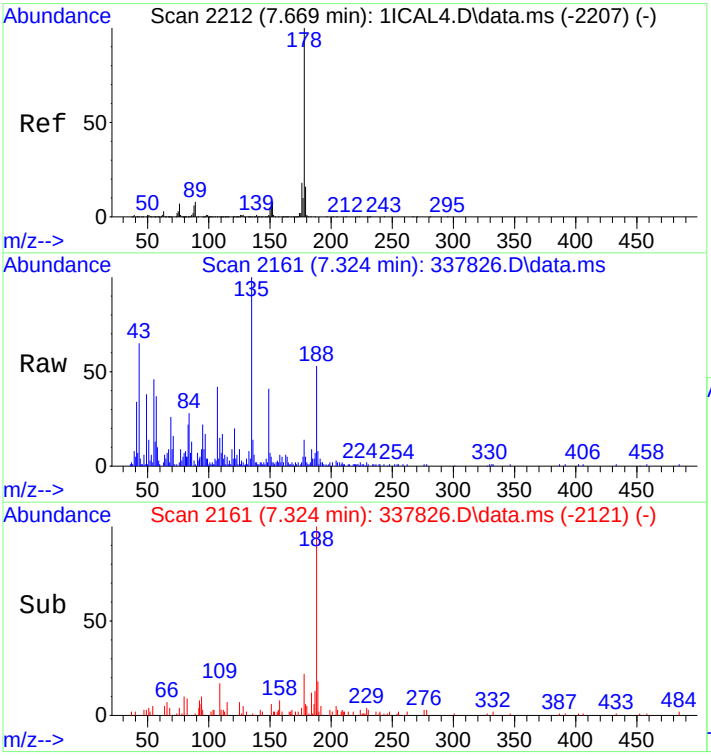


#70
Phenanthrene
Concen: 0.21 ug/mL
RT: 7.290 min Scan# 2149
Delta R.T. -0.006 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion:178 Resp: 7483

Ion	Ratio	Lower	Upper
178	100		
179	17.8	0.0	45.5
176	14.8	0.0	49.4

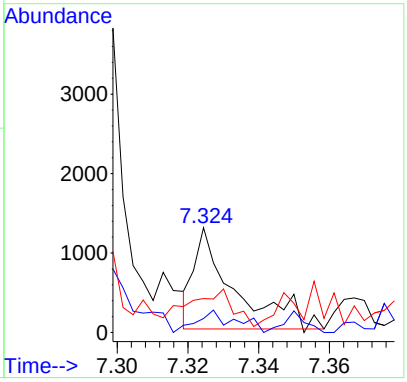


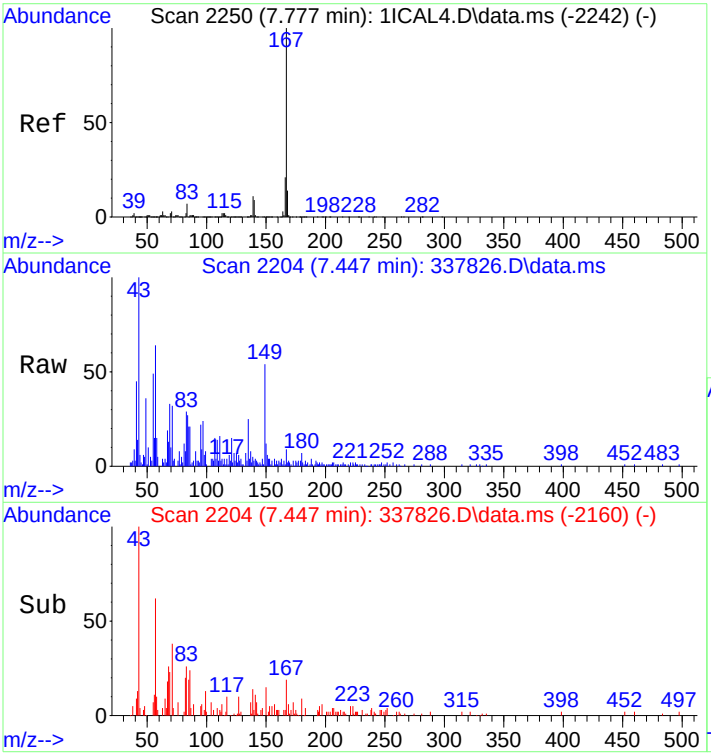


#71
Anthracene
Concen: 0.03 ug/mL
RT: 7.324 min Scan# 2161
Delta R.T. 0.000 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion:178 Resp: 1010

Ion	Ratio	Lower	Upper
178	100		
176	13.8	0.0	49.2
179	19.5	0.0	45.7

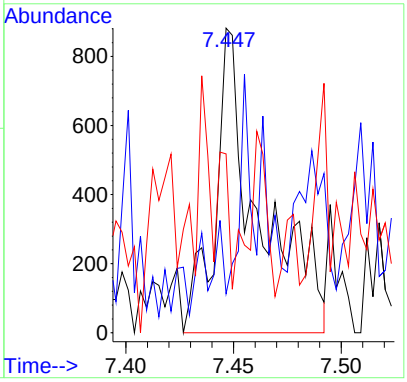


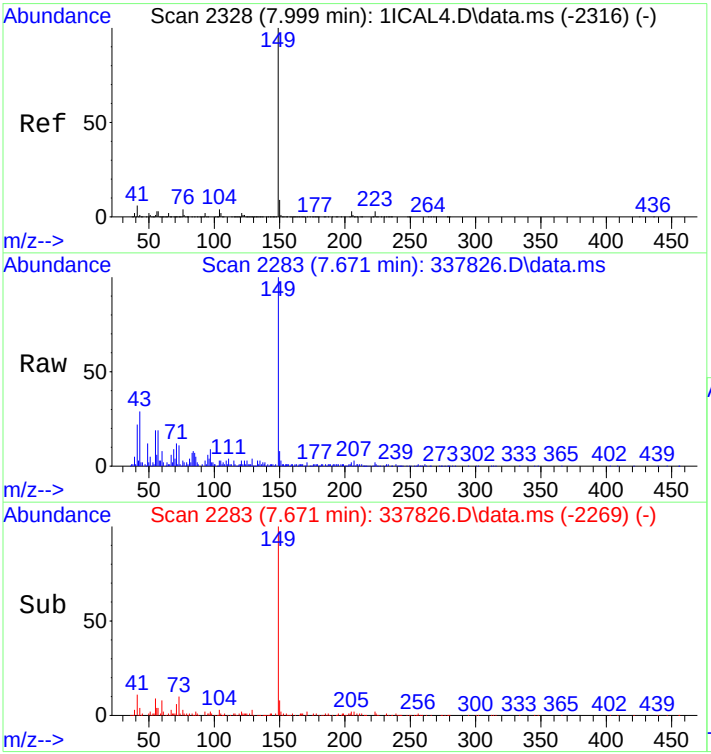


#72
Carbazole
Concen: 0.04 ug/mL
RT: 7.447 min Scan# 2204
Delta R.T. 0.011 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion:167 Resp: 1243

Ion	Ratio	Lower	Upper
167	100		
166	0.0	0.0	50.2
139	24.8	0.0	41.6

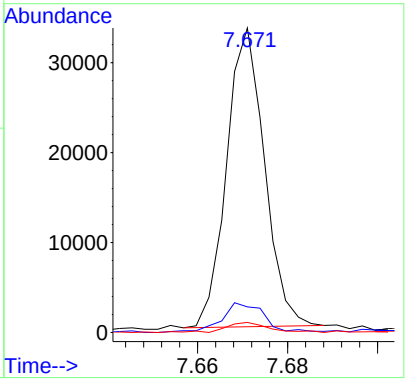


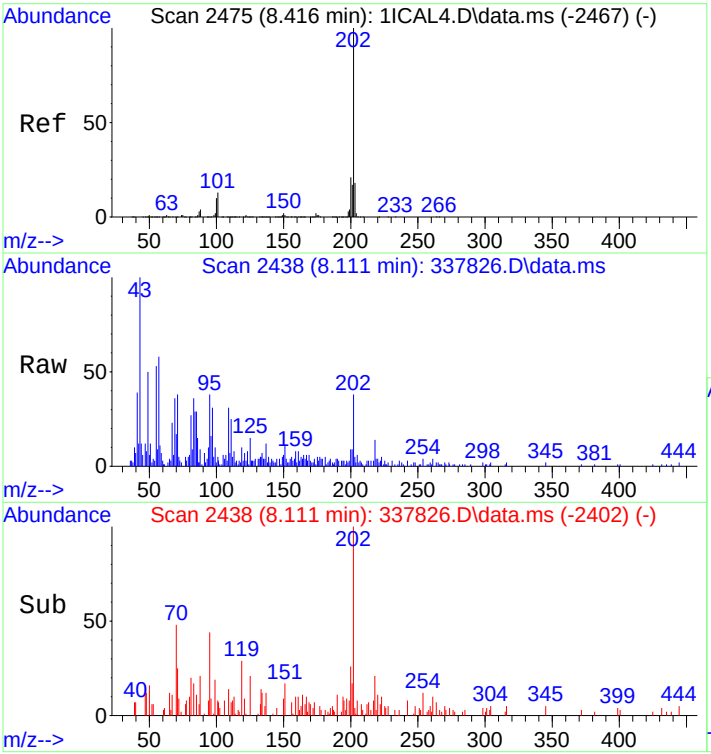


#73
Dinbtylphthal
Concen: 0.40 ug/mL
RT: 7.671 min Scan# 2283
Delta R.T. 0.000 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion:149 Resp: 19426

Ion	Ratio	Lower	Upper
149	100		
150	8.2	0.0	39.4
104	3.4	0.0	33.5

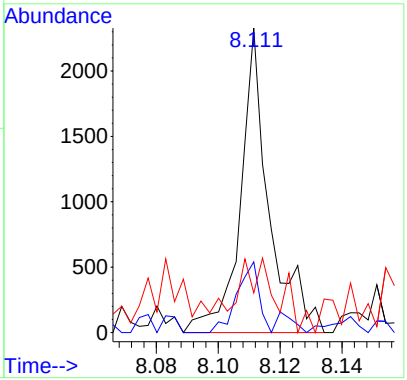


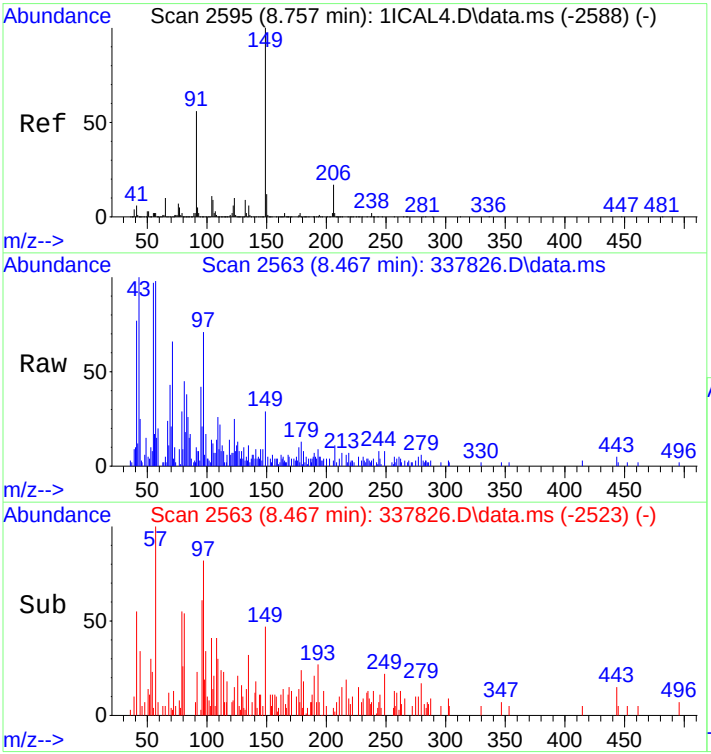


#77
Pyrene
Concen: 0.04 ug/mL
RT: 8.111 min Scan# 2438
Delta R.T. 0.003 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion:202 Resp: 1507

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	50.3
203	8.1	0.0	48.5

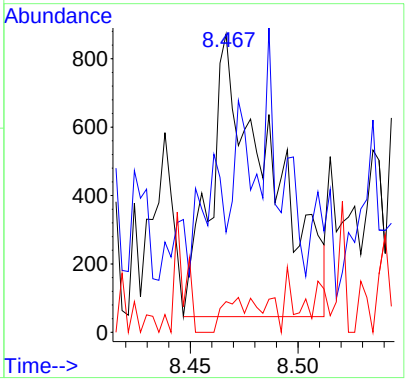


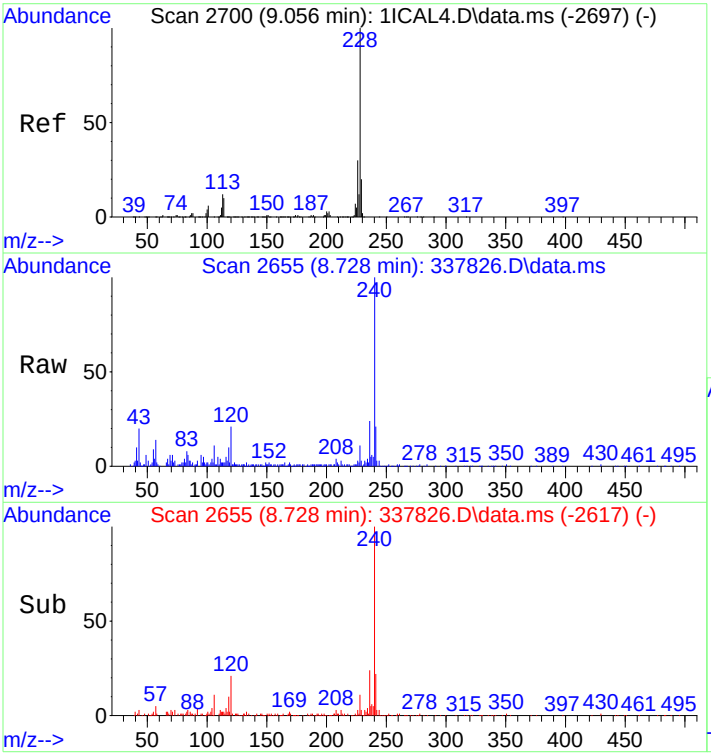


#79
Btylbzylphth
Concen: 0.14 ug/mL
RT: 8.467 min Scan# 2563
Delta R.T. -0.000 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion:149 Resp: 1582

Ion	Ratio	Lower	Upper
149	100		
91	30.2	26.8	86.8
206	0.0	0.0	42.4

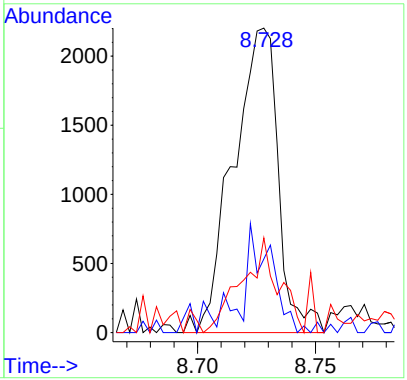


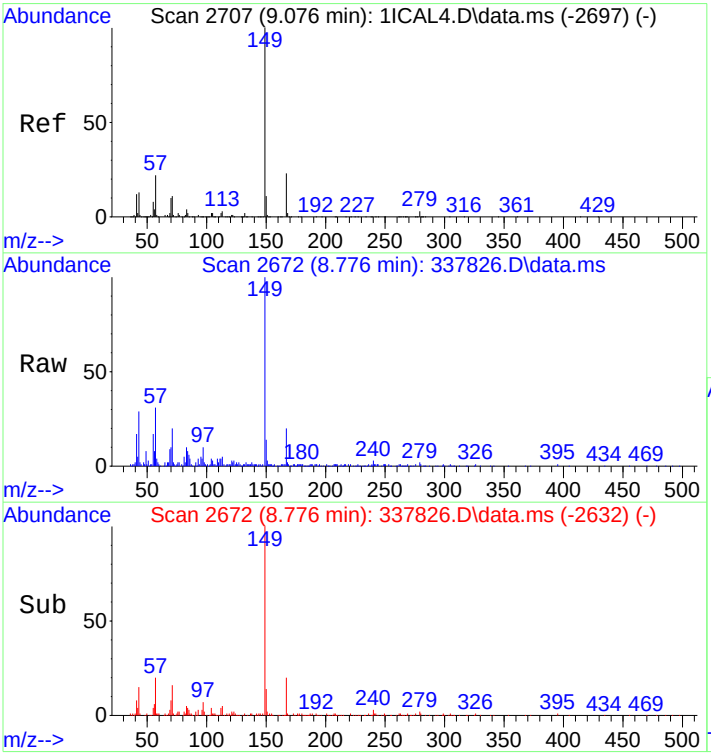


#83
Chrysene
Concen: 0.18 ug/mL
RT: 8.728 min Scan# 2655
Delta R.T. -0.006 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion:228 Resp: 2930

Ion	Ratio	Lower	Upper
228	100		
226	24.2	0.2	60.2
229	31.1	0.0	50.3

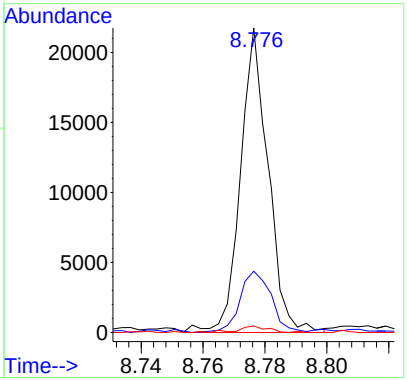


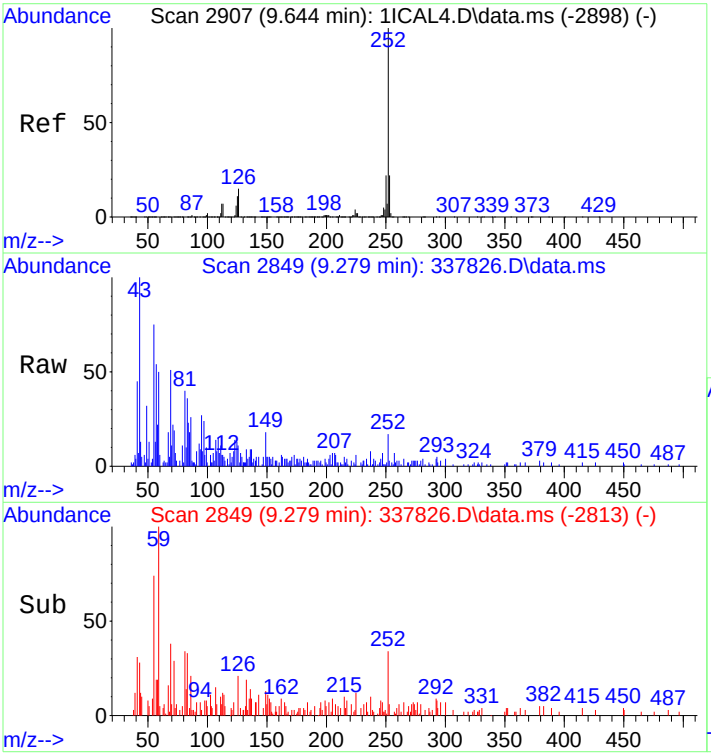


#84
bis2Ethlhxlph
Concen: 0.92 ug/mL
RT: 8.776 min Scan# 2672
Delta R.T. -0.000 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion:149 Resp: 13565

Ion	Ratio	Lower	Upper
149	100		
167	19.8	0.0	55.0
279	2.2	0.0	31.6

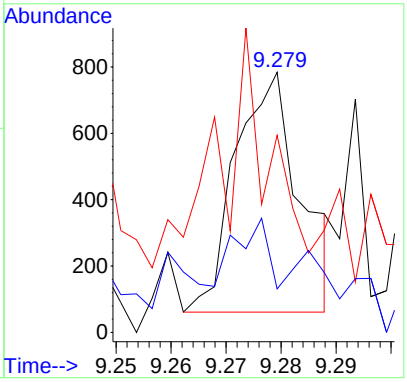


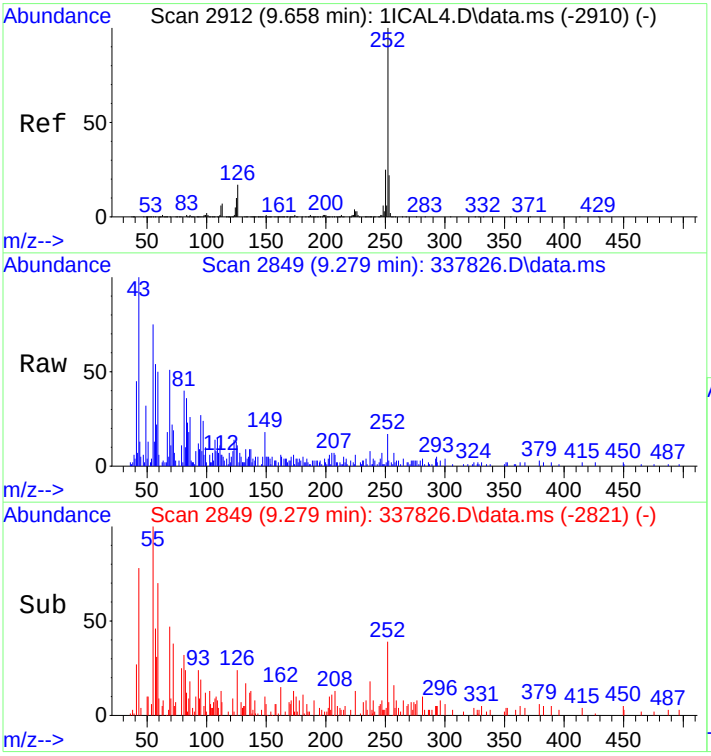


#87
B[b]fluoranth
Concen: 0.03 ug/mL
RT: 9.279 min Scan# 2849
Delta R.T. 0.003 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion:252 Resp: 588

Ion	Ratio	Lower	Upper
252	100		
253	0.0	0.0	52.8
125	109.5	0.0	46.4#

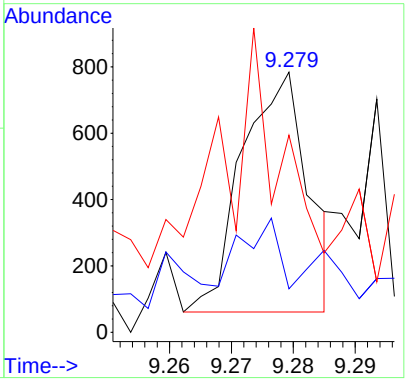




#88
B[k]fluoranth
Concen: 0.03 ug/mL
RT: 9.279 min Scan# 2849
Delta R.T. -0.011 min
Lab File: 337826.D
Acq: 22 Aug 13 7:42 pm

Tgt Ion:252 Resp: 537

Ion	Ratio	Lower	Upper
252	100		
253	0.0	0.0	52.3
125	116.2	0.0	45.8#



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337828.D Vial: 23
Acq On : 22 Aug 2013 20:00 Operator: RPN
Sample : 97038,337828, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:29:25 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

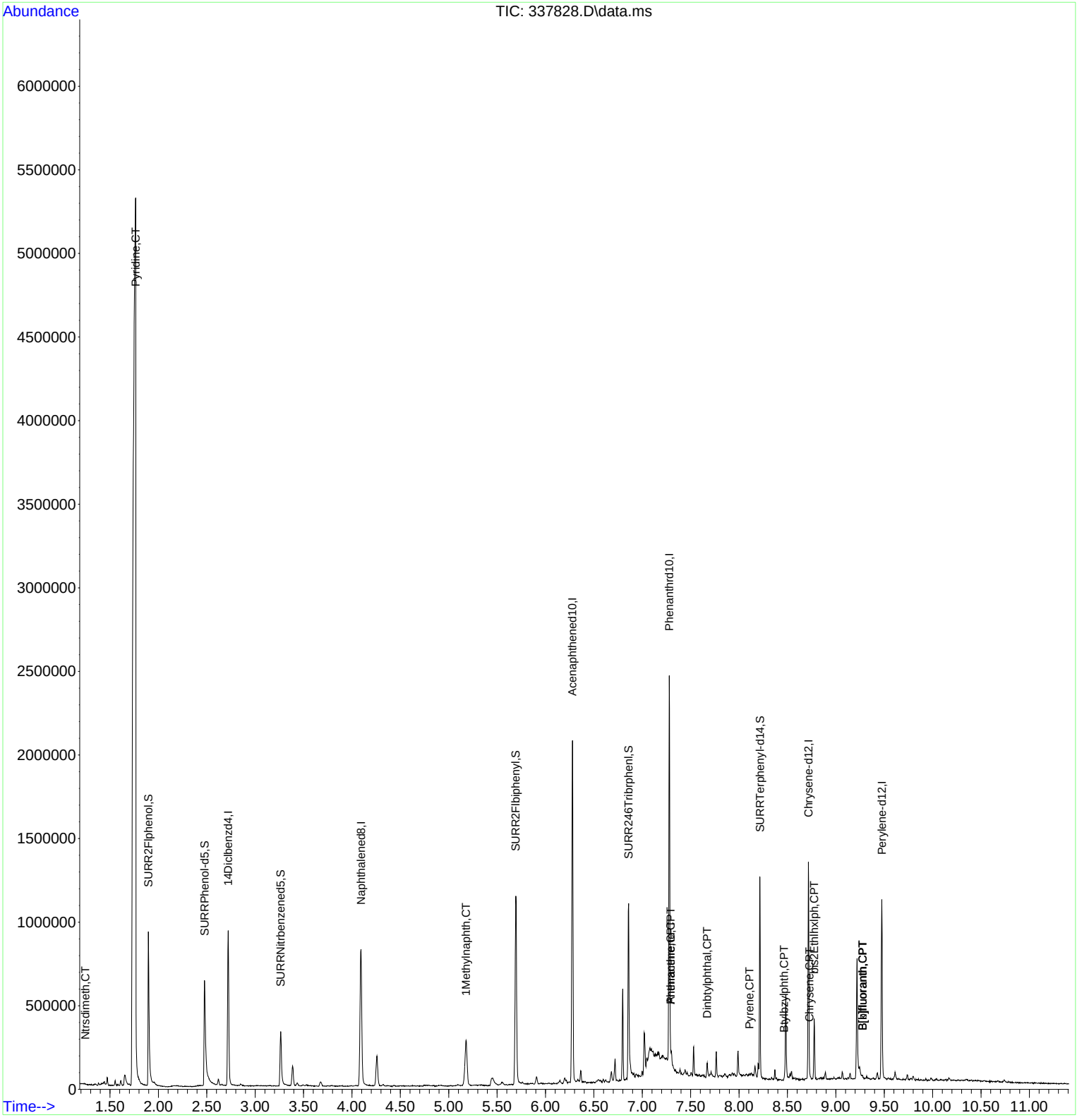
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	155444	20.00	ug/mL	0.00
21) Naphthalened8	4.094	136	578440	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	474787	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	654687	20.00	ug/mL	0.00
75) Chrysene-d12	8.717	240	314014	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	290020	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.897	112	276207	65.19	%REC	0.02
Spiked Amount 100.000	Range 20 - 110		Recovery = 65.19%			
7) SURRPhenol-d5	2.477	99	321210	71.07	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 71.07%			
22) SURRNitrbenzened5	3.264	82	122563	73.11	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 73.11%			
44) SUR2Flbiphenyl	5.693	172	470728	75.41	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 75.41%			
62) SURR246Tribrphenl	6.858	330	120969	76.99	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 76.99%			
78) SURRTerphenyl-d14	8.216	244	258727	82.62	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 82.62%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.246	74	1279	0.2260	ug/mL#	38
3) Pyridine	1.766	79	1143	0.1076	ug/mL#	1
38) 1Methylnaphth	5.179	141	908	0.0363	ug/mL#	8
48) Dimethylphtha	6.145	163	988	Below Cal		86
60) Diethylphthal	6.685	149	5475	Below Cal		95
65) Ntrsdiphlam&Diphlam	6.816	169	178	Below Cal	#	67
66) Azobenz&12Diphlhyd	6.835	182	1760	Below Cal	#	1
70) Phenanthrene	7.293	178	3790	0.1130	ug/mL	90
71) Anthracene	7.293	178	3790	0.1088	ug/mL	90
73) Dinbtylphthal	7.671	149	21388	0.4781	ug/mL	95
77) Pyrene	8.108	202	2185	0.0553	ug/mL	84
79) Btylbzylphth	8.466	149	1190	0.1075	ug/mL	72
83) Chrysene	8.728	228	3309	0.2000	ug/mL	83
84) bis2Ethlhxlph	8.776	149	86989	5.8971	ug/mL	96
87) B[b]fluoranth	9.276	252	1485	0.0900	ug/mL	84
88) B[k]fluoranth	9.276	252	803	0.0528	ug/mL	81

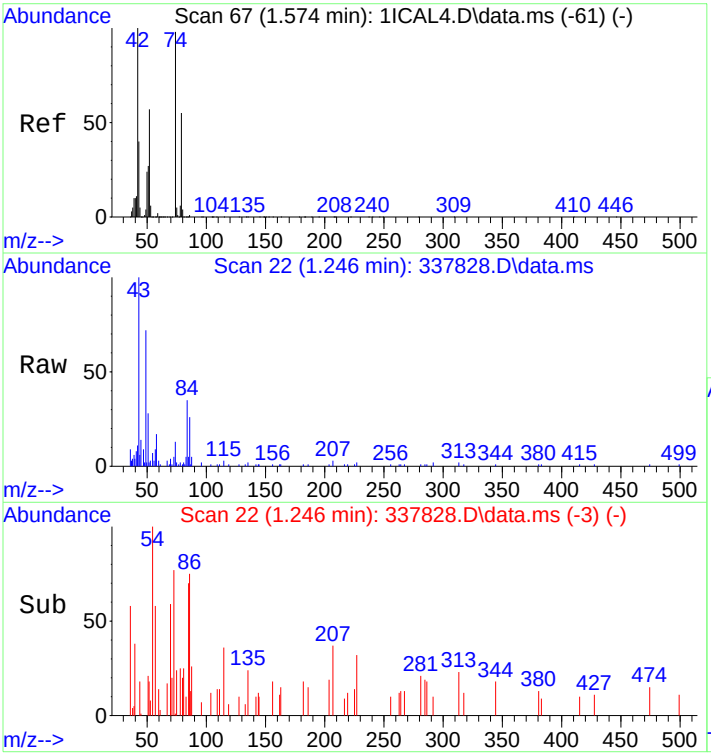
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337828.D Vial: 23
Acq On : 22 Aug 2013 20:00 Operator: RPN
Sample : 97038,337828, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:29:25 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

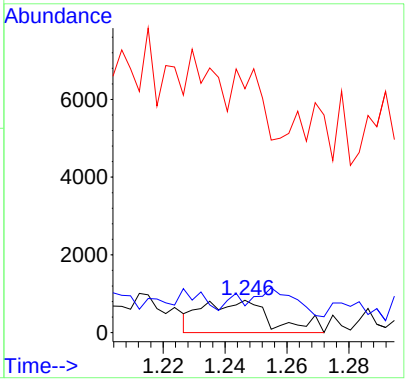


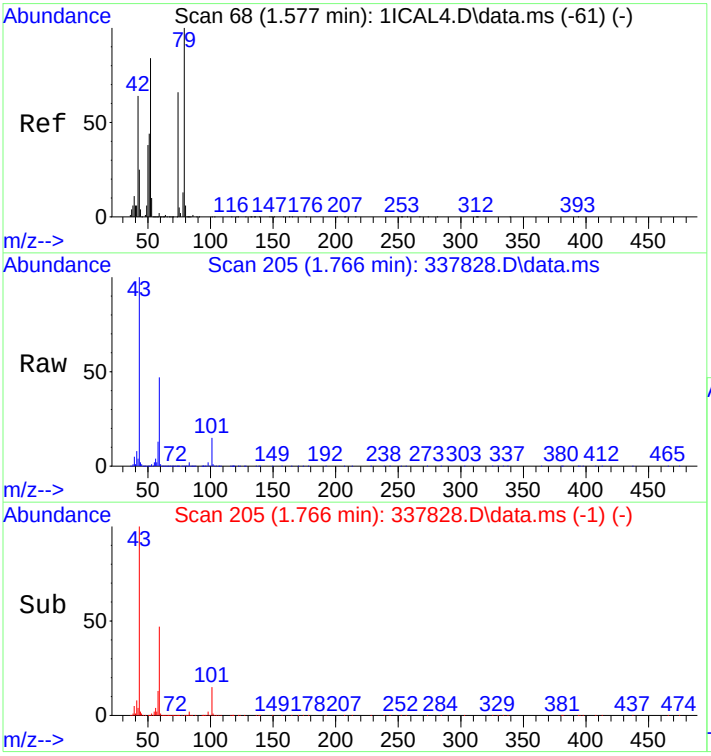


#2
Ntrsdimeth
Concen: 0.23 ug/mL
RT: 1.246 min Scan# 22
Delta R.T. -0.046 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion: 74 Resp: 1279

Ion	Ratio	Lower	Upper
74	100		
42	33.5	61.9	121.9#
43	81.0	11.4	71.4#

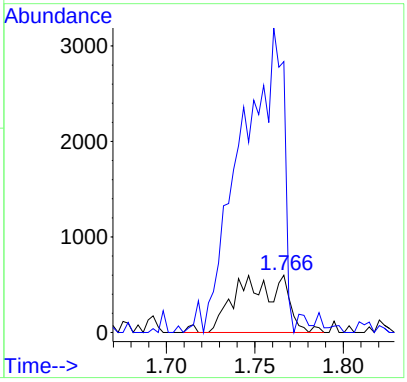


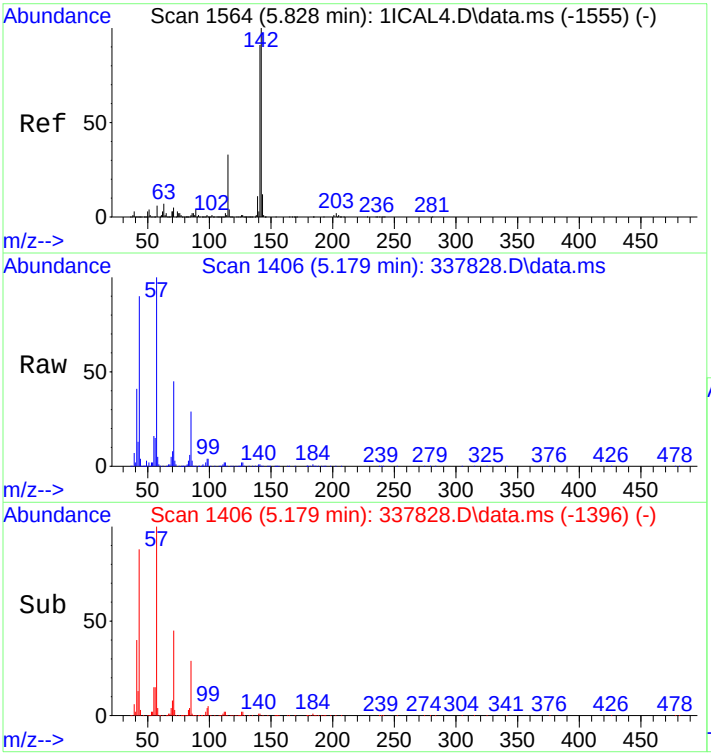


#3
Pyridine
Concen: 0.11 ug/mL
RT: 1.766 min Scan# 205
Delta R.T. 0.474 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion: 79 Resp: 1143

Ion	Ratio	Lower	Upper
79	100		
52	472.8	51.7	111.7#

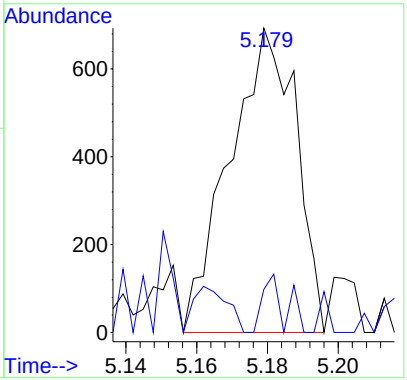


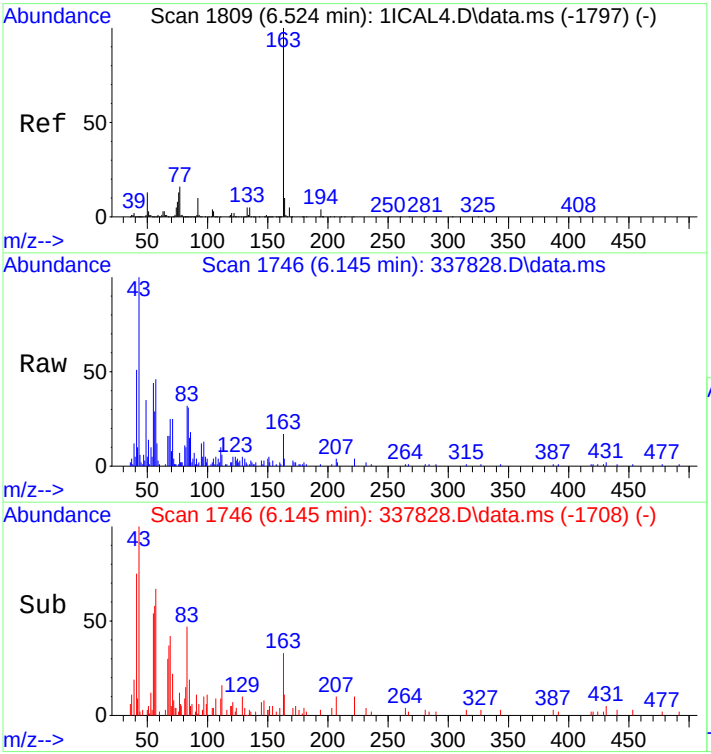


#38
1Methylnaphth
Concen: 0.04 ug/mL
RT: 5.179 min Scan# 1406
Delta R.T. -0.091 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion:141 Resp: 908

Ion	Ratio	Lower	Upper
141	100		
142	14.1	83.3	143.3#

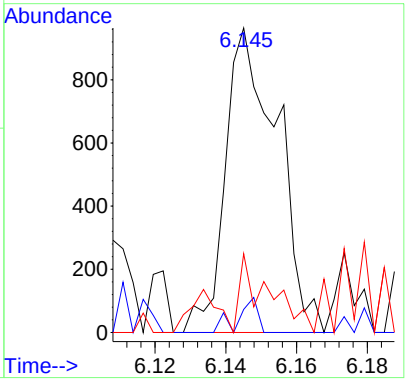


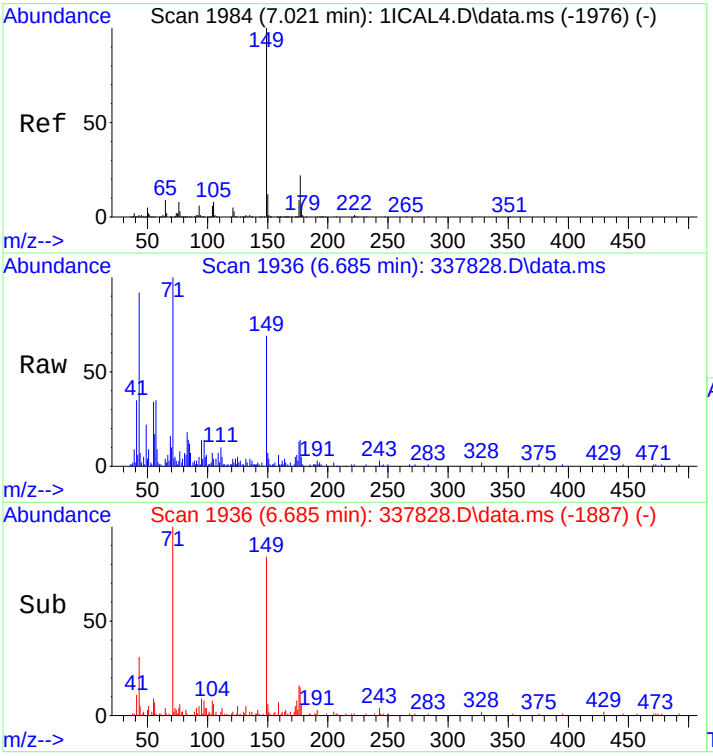


#48
Dimethylphtha
Concen: Below ug/mL
RT: 6.145 min Scan# 1746
Delta R.T. -0.012 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion:163 Resp: 988

Ion	Ratio	Lower	Upper
163	100		
194	6.0	0.0	33.1
164	15.9	0.0	40.2

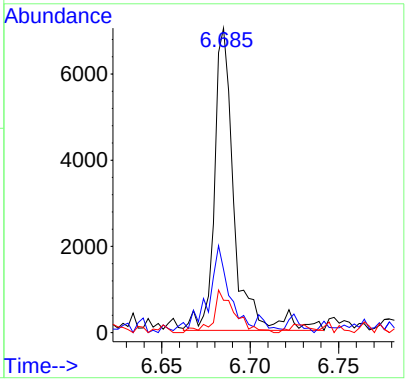


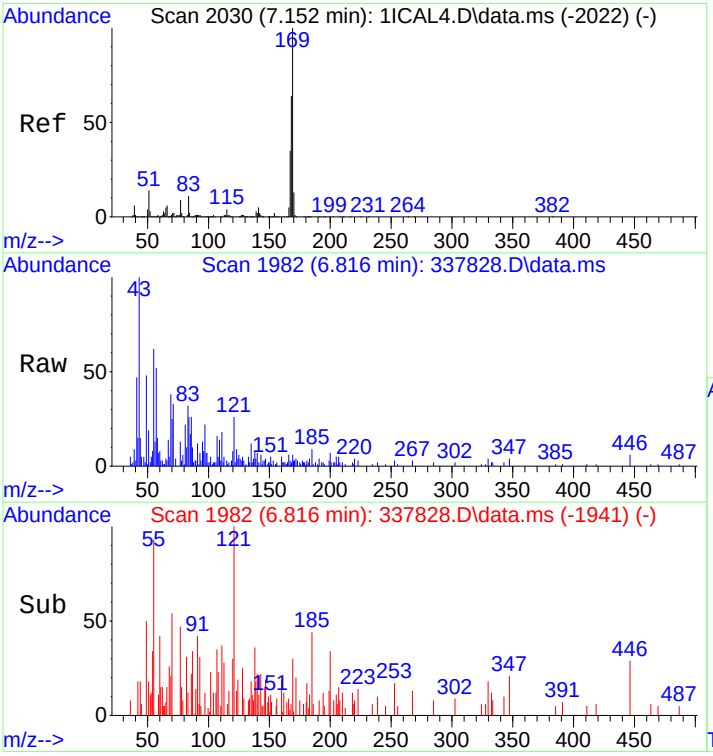


#60
Diethylphthal
Concen: Below ug/mL
RT: 6.685 min Scan# 1936
Delta R.T. -0.006 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion:149 Resp: 5475

Ion	Ratio	Lower	Upper
149	100		
177	17.6	0.0	49.9
150	10.7	0.0	42.4

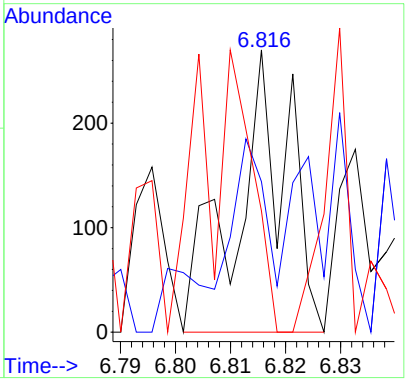


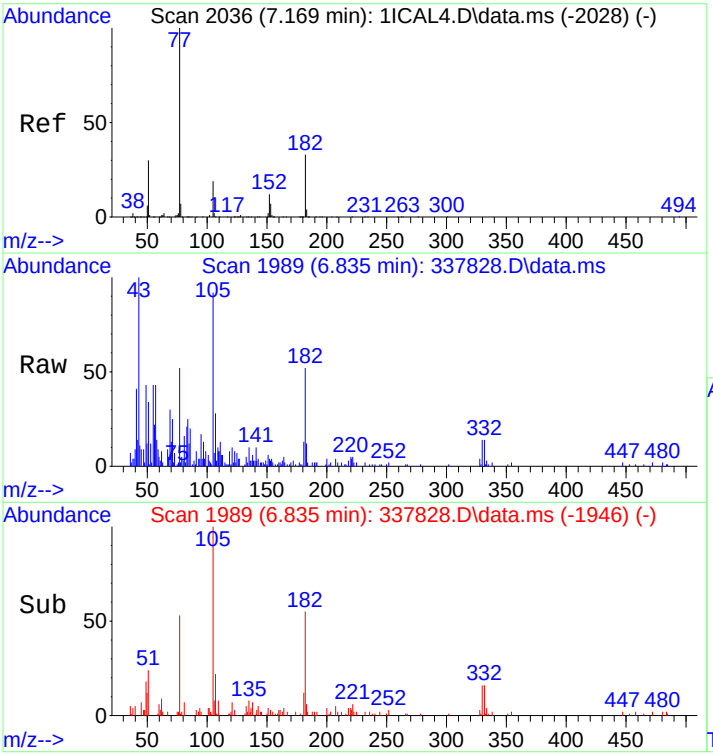


#65
Ntrsdiphlam&Diphlam
Concen: Below ug/mL
RT: 6.816 min Scan# 1982
Delta R.T. 0.003 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion:169 Resp: 178

Ion	Ratio	Lower	Upper
169	100		
168	33.7	34.5	94.5#
167	23.0	4.6	64.6

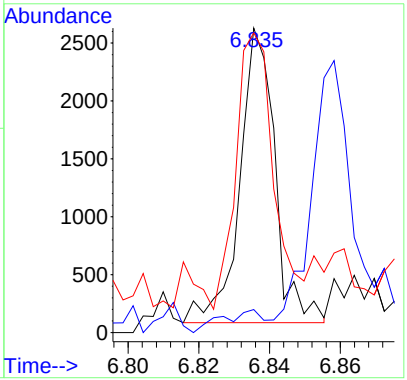


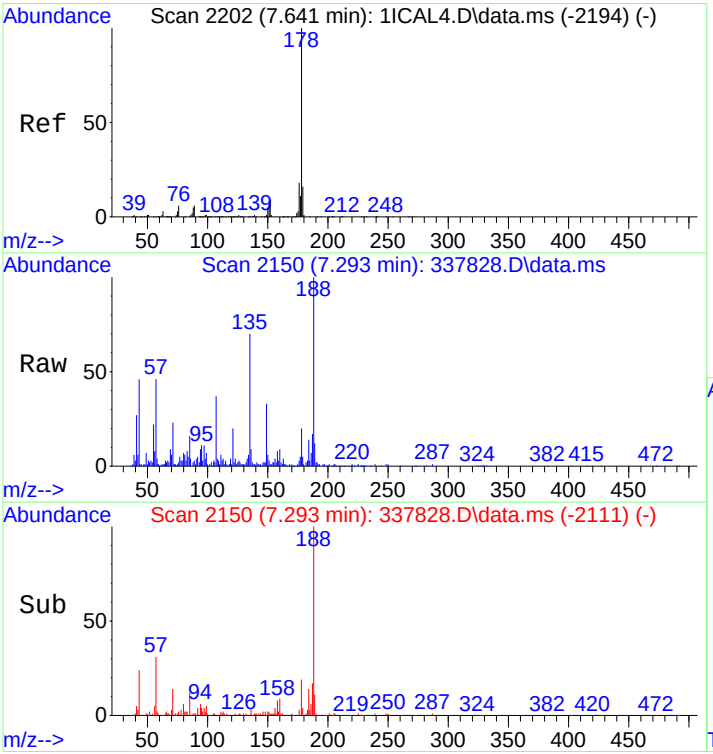


#66
Azobenz&12Diphlhyd
Concen: Below ug/mL
RT: 6.835 min Scan# 1989
Delta R.T. 0.008 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion:182 Resp: 1760

Ion	Ratio	Lower	Upper
182	100		
152	5.5	9.8	69.8#
77	81.3	337.4	397.4#

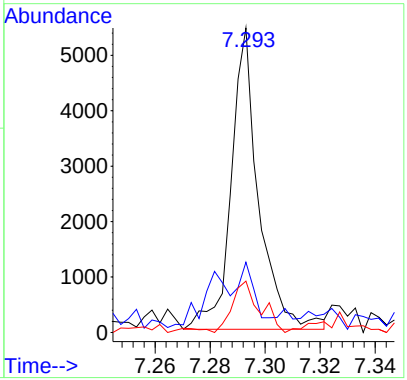


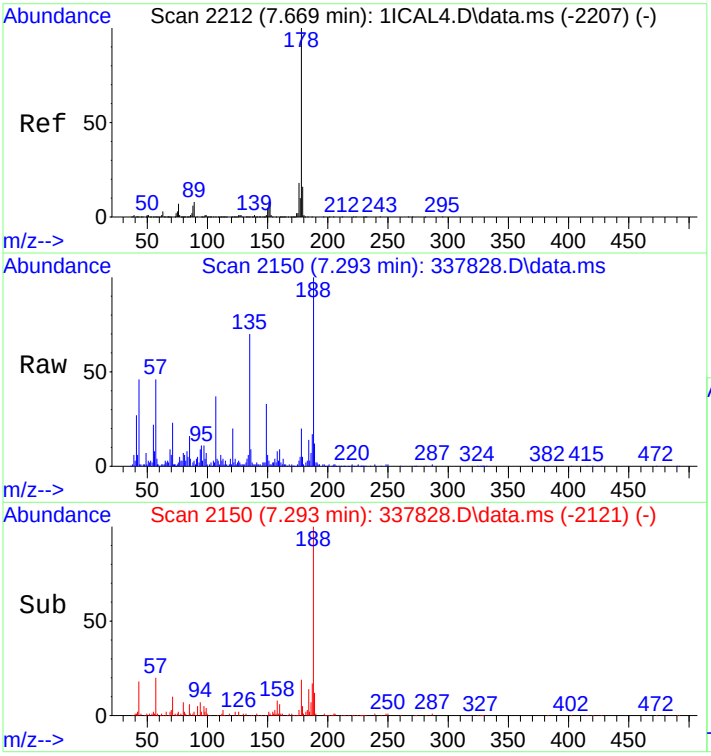


#70
Phenanthrene
Concen: 0.11 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.003 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion:178 Resp: 3790

Ion	Ratio	Lower	Upper
178	100		
179	20.8	0.0	45.5
176	15.6	0.0	49.4

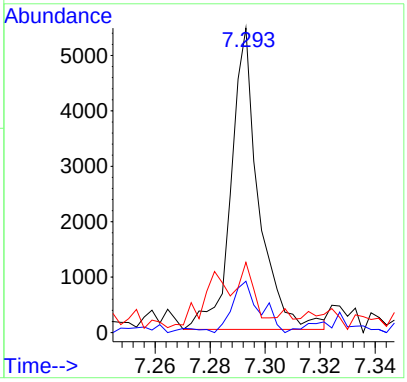


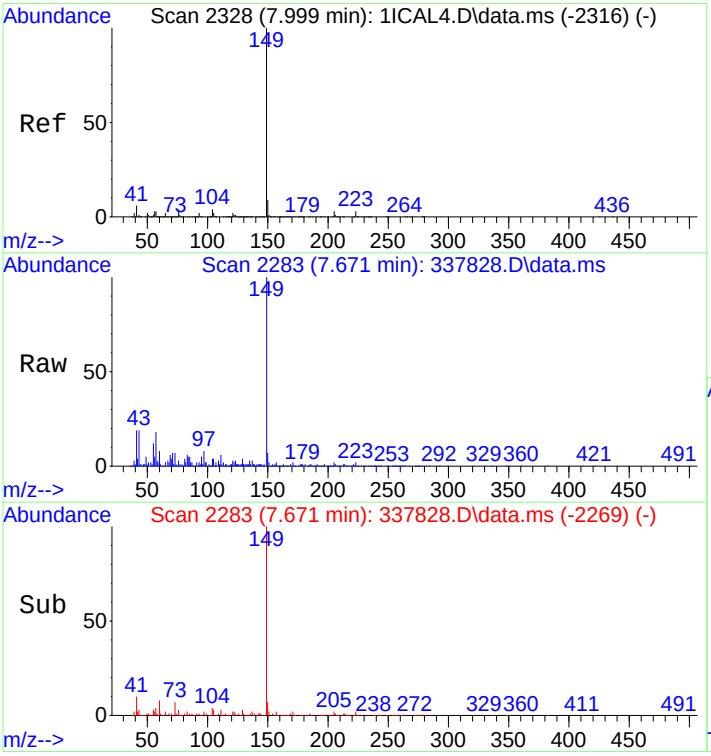


#71
Anthracene
Concen: 0.11 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.031 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion:178 Resp: 3790

Ion	Ratio	Lower	Upper
178	100		
176	15.6	0.0	49.2
179	20.8	0.0	45.7

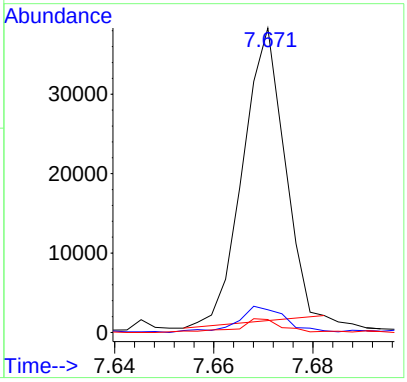


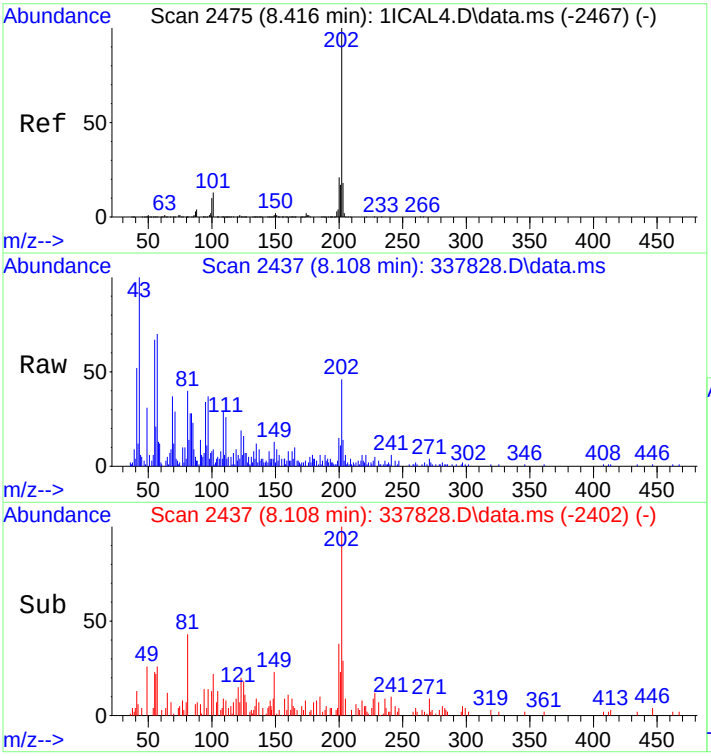


#73
Dinbtylphthal
Concen: 0.48 ug/mL
RT: 7.671 min Scan# 2283
Delta R.T. -0.000 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion:149 Resp: 21388

Ion	Ratio	Lower	Upper
149	100		
150	7.0	0.0	39.4
104	4.0	0.0	33.5

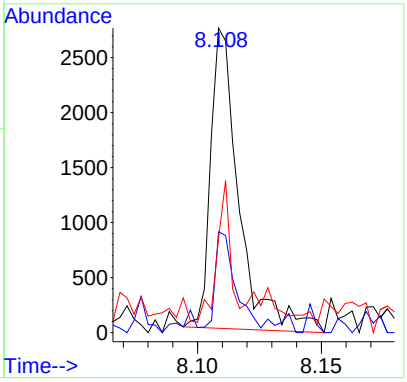


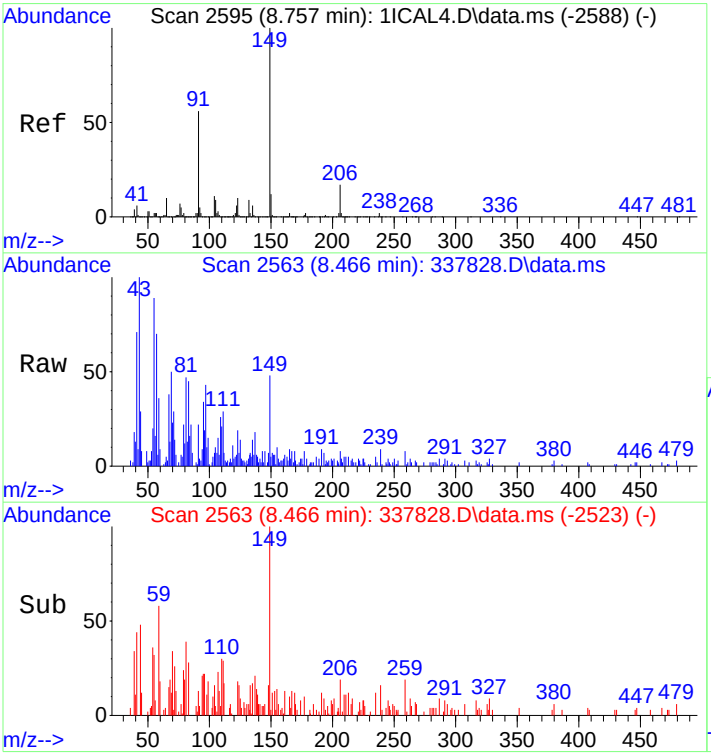


#77
Pyrene
Concen: 0.06 ug/mL
RT: 8.108 min Scan# 2437
Delta R.T. -0.000 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion:202 Resp: 2185

Ion	Ratio	Lower	Upper
202	100		
200	33.1	0.0	50.3
203	19.8	0.0	48.5

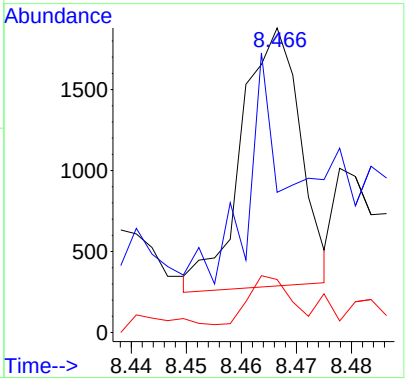


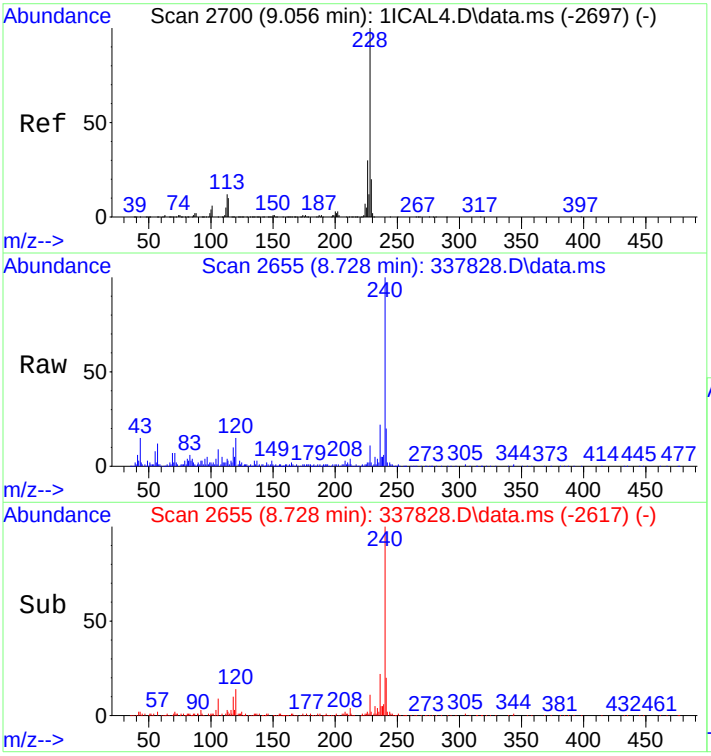


#79
Btylbzylphth
Concen: 0.11 ug/mL
RT: 8.466 min Scan# 2563
Delta R.T. -0.000 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion:149 Resp: 1190

Ion	Ratio	Lower	Upper
149	100		
91	33.3	26.8	86.8
206	15.7	0.0	42.4

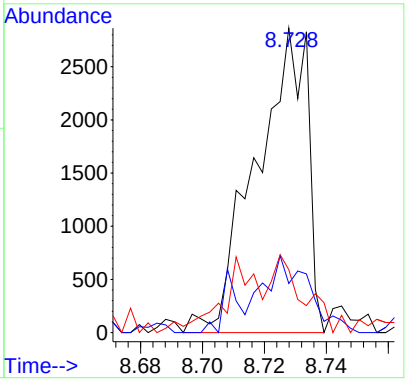


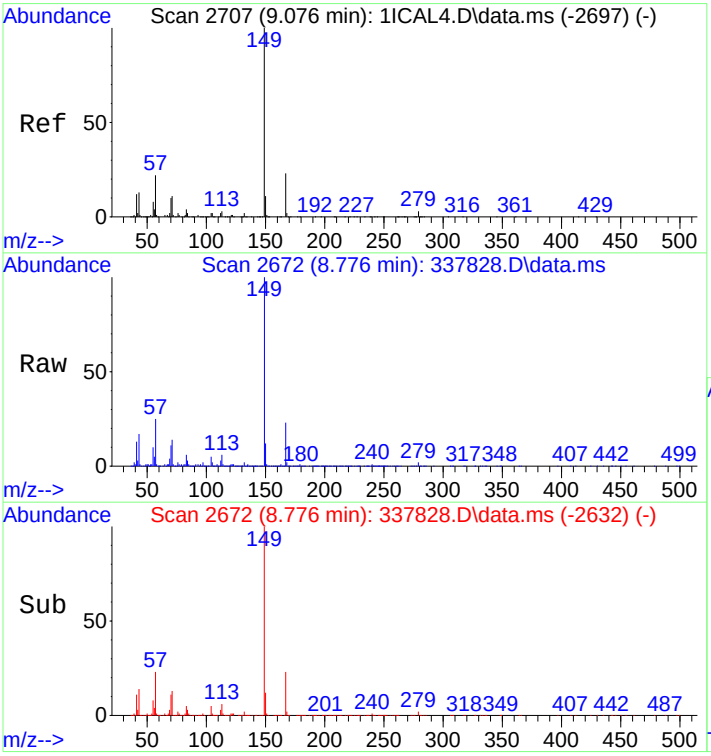


#83
Chrysene
Concen: 0.20 ug/mL
RT: 8.728 min Scan# 2655
Delta R.T. -0.006 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion:228 Resp: 3309

Ion	Ratio	Lower	Upper
228	100		
226	16.1	0.2	60.2
229	18.6	0.0	50.3

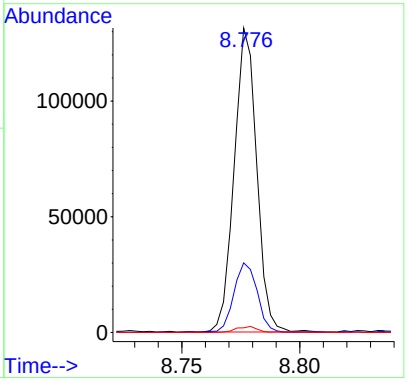


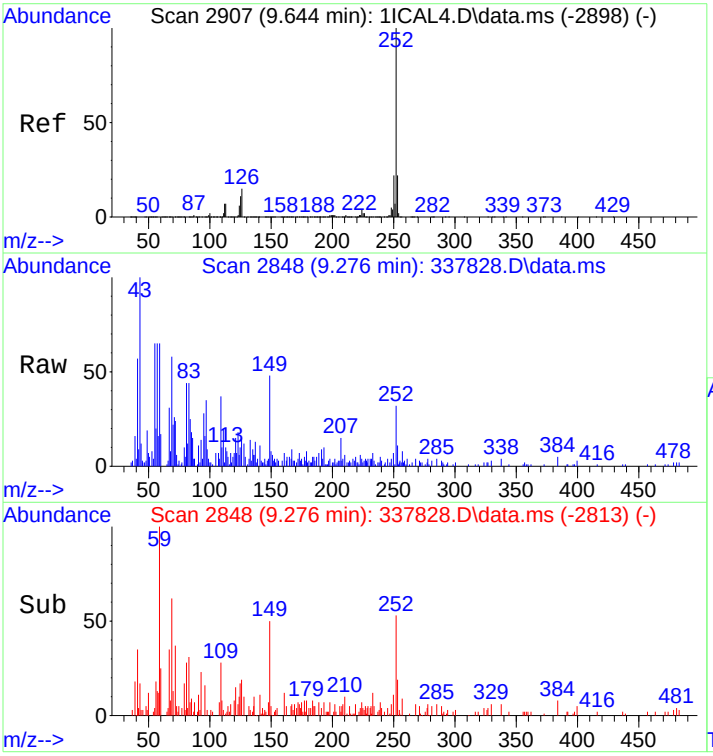


#84
bis2Ethlhxlph
Concen: 5.90 ug/mL
RT: 8.776 min Scan# 2672
Delta R.T. -0.000 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion:149 Resp: 86989

Ion	Ratio	Lower	Upper
149	100		
167	22.8	0.0	55.0
279	1.5	0.0	31.6

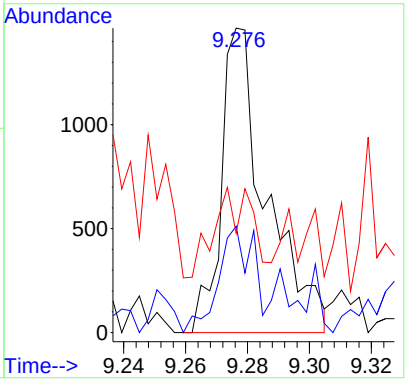


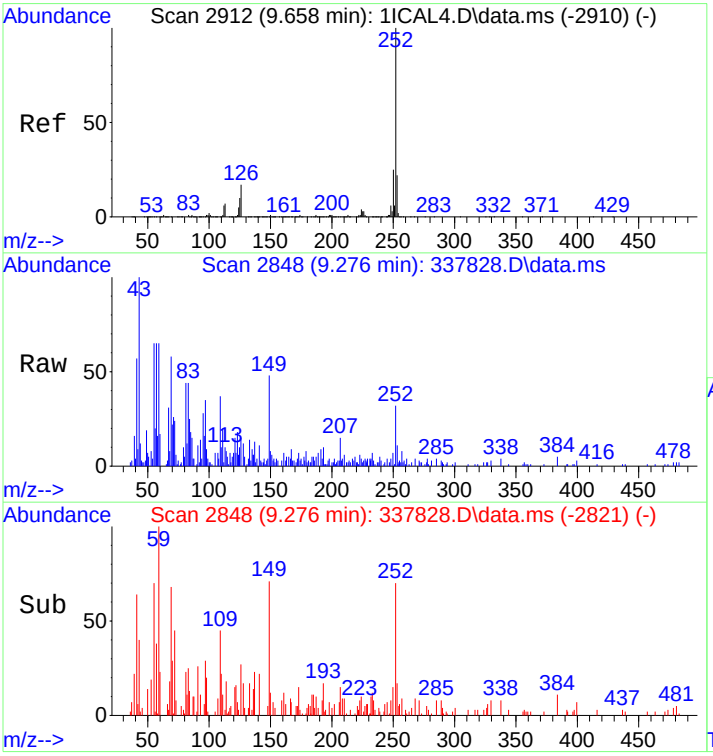


#87
B[b]fluoranth
Concen: 0.09 ug/mL
RT: 9.276 min Scan# 2848
Delta R.T. -0.000 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion:252 Resp: 1485

Ion	Ratio	Lower	Upper
252	100		
253	34.9	0.0	52.8
125	14.7	0.0	46.4

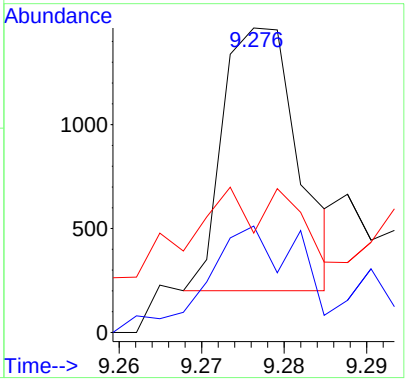




#88
B[k]fluoranth
Concen: 0.05 ug/mL
RT: 9.276 min Scan# 2848
Delta R.T. -0.014 min
Lab File: 337828.D
Acq: 22 Aug 13 8:00 pm

Tgt Ion:252 Resp: 803

Ion	Ratio	Lower	Upper
252	100		
253	34.0	0.0	52.3
125	11.0	0.0	45.8



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337830.D Vial: 24
Acq On : 22 Aug 2013 20:19 Operator: RPN
Sample : 97038,337830, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:30:58 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

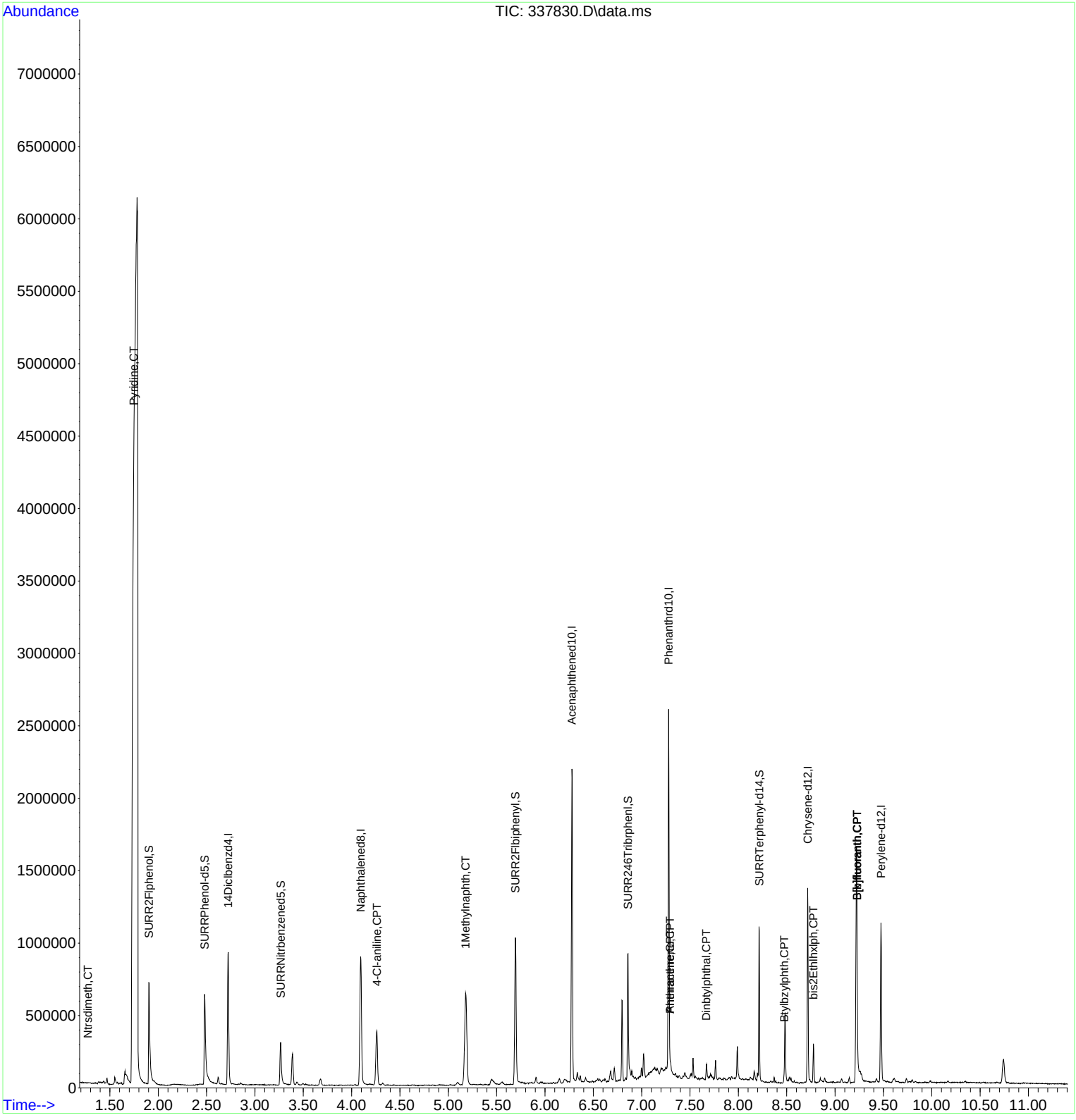
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.724	152	158420	20.00	ug/mL	0.00
21) Naphthalened8	4.094	136	586762	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	475162	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	696898	20.00	ug/mL	0.00
75) Chrysene-d12	8.717	240	318915	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	304315	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.906	112	242558	56.17	%REC	0.03
Spiked Amount 100.000	Range 20 - 110		Recovery = 56.17%			
7) SURRPhenol-d5	2.480	99	292665	63.54	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 63.54%			
22) SURRNitrbenzened5	3.267	82	110121	64.75	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 64.75%			
44) SURR2Flbiphenyl	5.693	172	417654	66.86	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 66.86%			
62) SURR246Tribrphenl	6.858	330	97952	62.29	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 62.29%			
78) SURRTerphenyl-d14	8.217	244	227855	71.64	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 71.64%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.272	74	3199	0.5547	ug/mL#	1
3) Pyridine	1.747	79	1837	0.1697	ug/mL#	1
32) 4-Cl-aniline	4.261	127	1155	0.0969	ug/mL#	52
38) 1Methylnaphth	5.179	141	2103	0.0829	ug/mL#	13
48) Dimethylphtha	6.148	163	769	Below Cal		87
60) Diethylphthal	6.685	149	5288	Below Cal		93
65) Ntrsdiphlam&Diphlam	6.802	169	111	Below Cal	#	33
70) Phenanthrene	7.293	178	1182	0.0331	ug/mL	87
71) Anthracene	7.293	178	1182	0.0319	ug/mL	87
73) Dinbtylphthal	7.668	149	23740	0.4986	ug/mL	99
79) Btylbzylphth	8.475	149	1378	0.1226	ug/mL#	48
84) bis2Ethlhxlph	8.776	149	61856	4.1289	ug/mL	96
87) B[b]fluoranth	9.228	252	790	0.0456	ug/mL#	1
88) B[k]fluoranth	9.228	252	723	0.0453	ug/mL#	1

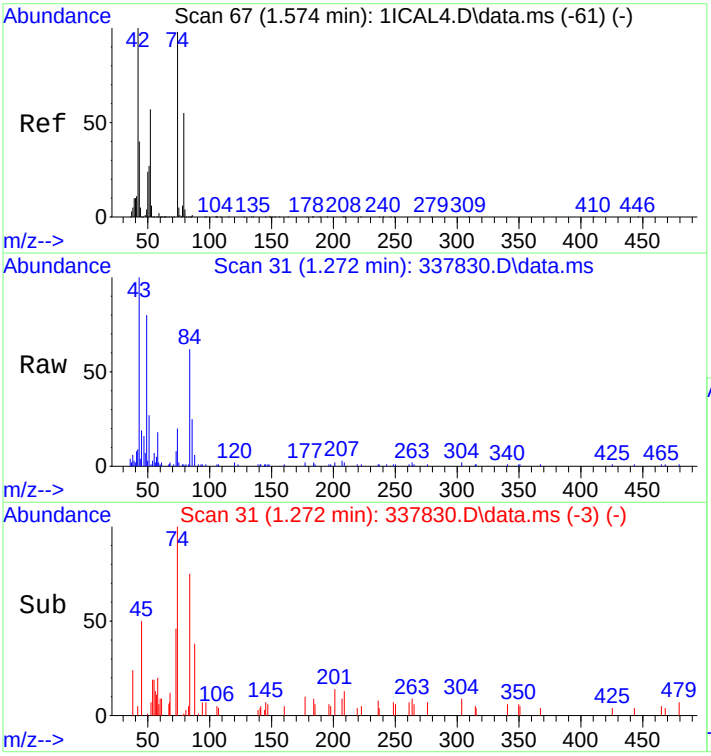
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337830.D Vial: 24
Acq On : 22 Aug 2013 20:19 Operator: RPN
Sample : 97038,337830, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:30:58 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

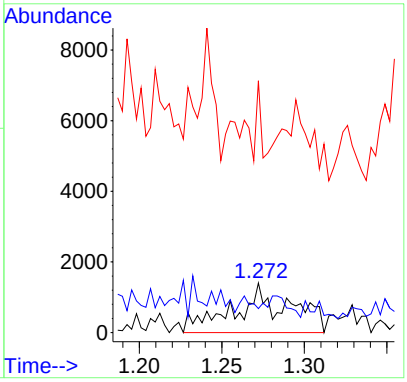


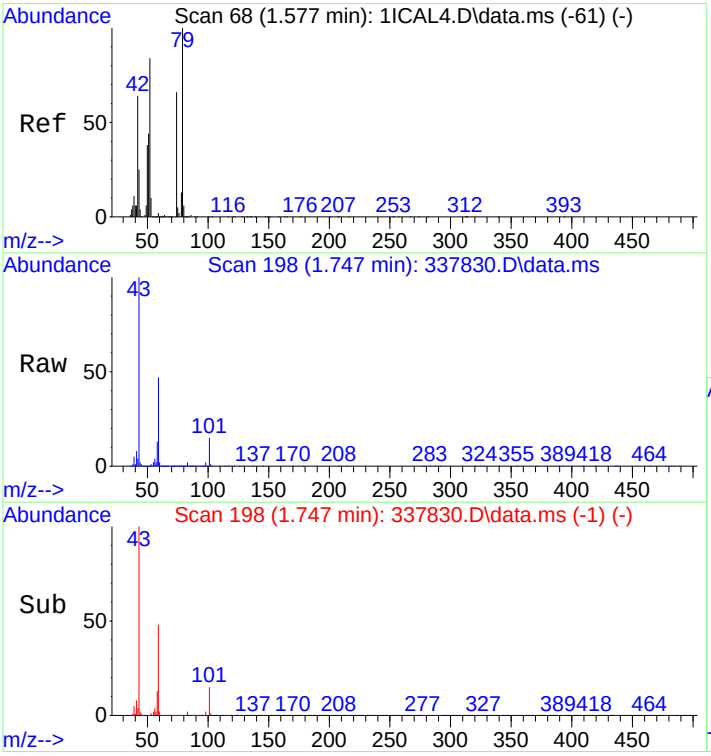


#2
Ntrsdimeth
Concen: 0.55 ug/mL
RT: 1.272 min Scan# 31
Delta R.T. -0.020 min
Lab File: 337830.D
Acq: 22 Aug 13 8:19 pm

Tgt Ion: 74 Resp: 3199

Ion	Ratio	Lower	Upper
74	100		
42	13.7	61.9	121.9#
43	128.0	11.4	71.4#

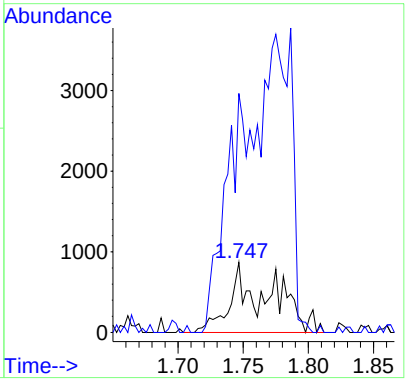


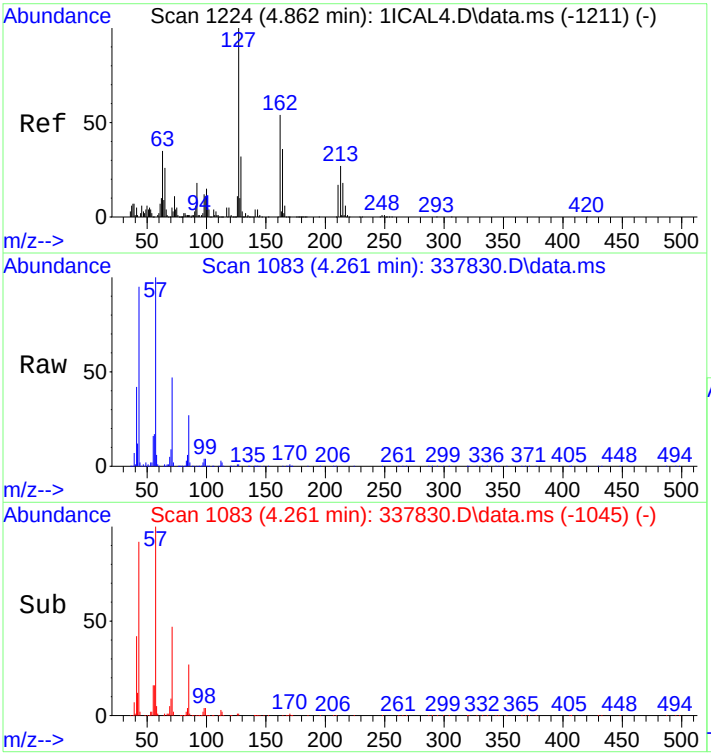


#3
Pyridine
Concen: 0.17 ug/mL
RT: 1.747 min Scan# 198
Delta R.T. 0.455 min
Lab File: 337830.D
Acq: 22 Aug 13 8:19 pm

Tgt Ion: 79 Resp: 1837

Ion	Ratio	Lower	Upper
79	100		
52	341.4	51.7	111.7#

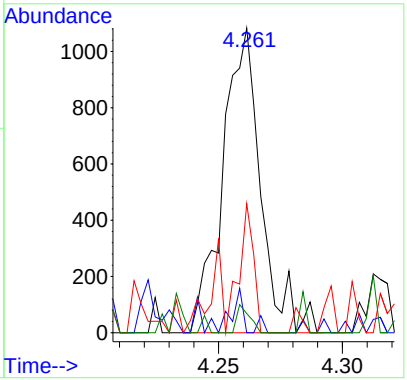


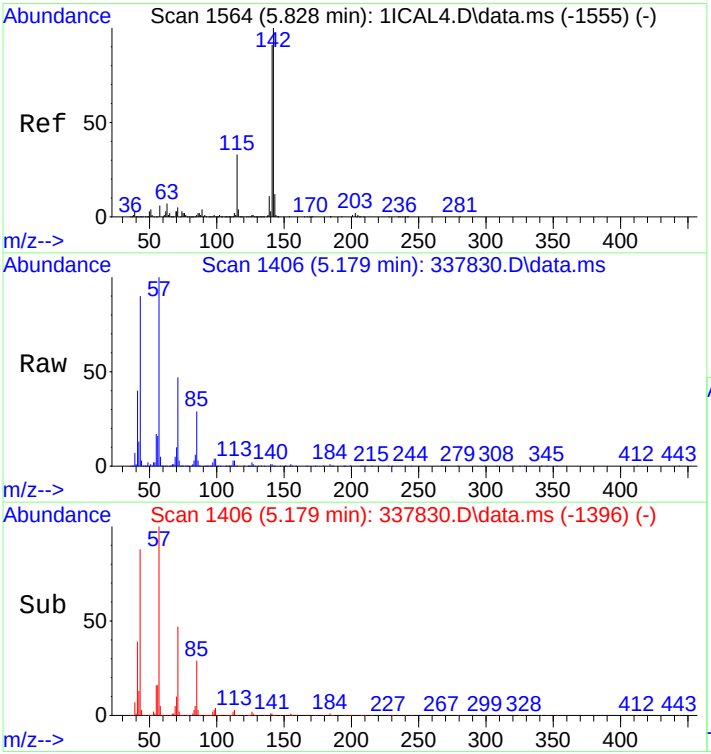


#32
4-Cl-aniline
Concen: 0.10 ug/mL
RT: 4.261 min Scan# 1083
Delta R.T. -0.006 min
Lab File: 337830.D
Acq: 22 Aug 13 8:19 pm

Tgt Ion:127 Resp: 1155

Ion	Ratio	Lower	Upper
127	100		
129	0.0	3.3	63.3#
65	46.4	0.0	52.4
92	6.3	0.0	42.3

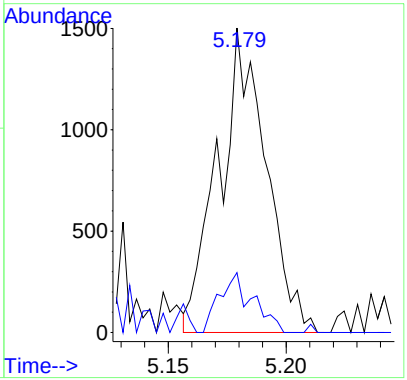


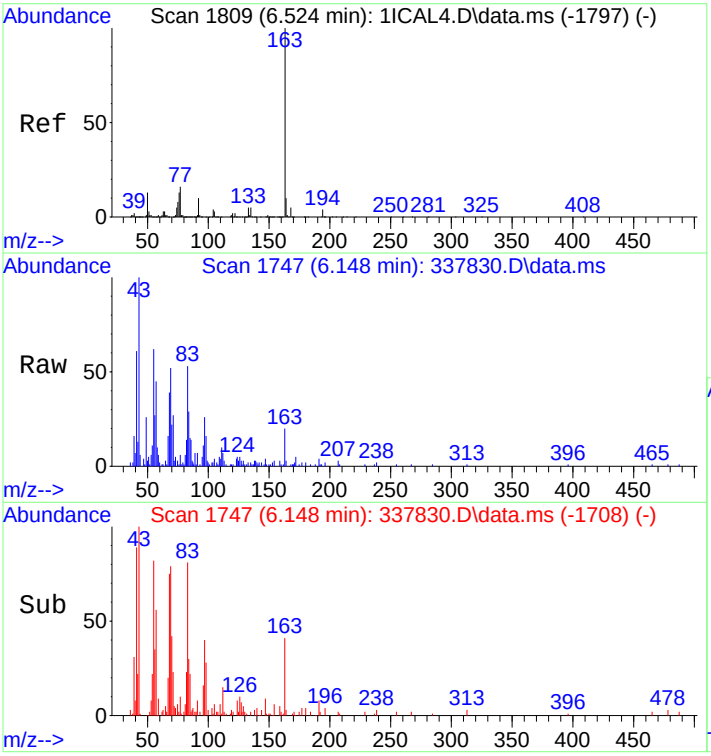


#38
1Methylnaphth
Concen: 0.08 ug/mL
RT: 5.179 min Scan# 1406
Delta R.T. -0.091 min
Lab File: 337830.D
Acq: 22 Aug 13 8:19 pm

Tgt Ion:141 Resp: 2103

Ion	Ratio	Lower	Upper
141	100		
142	19.6	83.3	143.3#

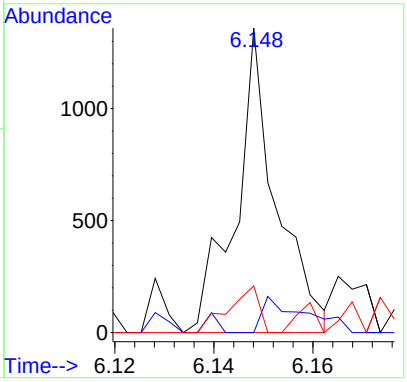


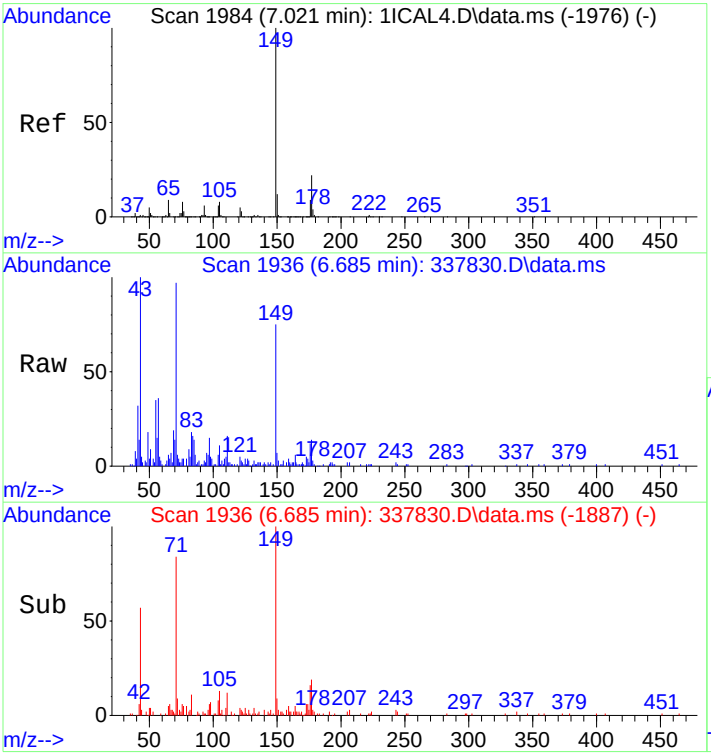


#48
Dimethylphtha
Concen: Below ug/mL
RT: 6.148 min Scan# 1747
Delta R.T. -0.009 min
Lab File: 337830.D
Acq: 22 Aug 13 8:19 pm

Tgt Ion:163 Resp: 769

Ion	Ratio	Lower	Upper
163	100		
194	0.0	0.0	33.1
164	15.3	0.0	40.2

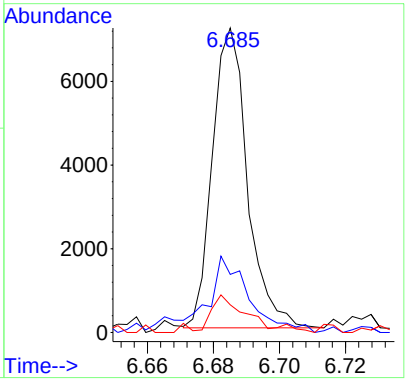


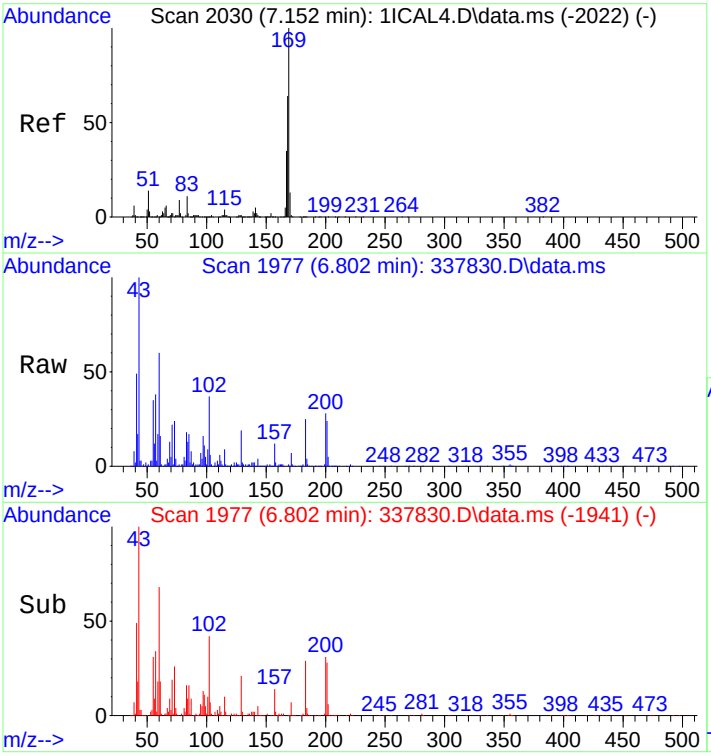


#60
Diethylphthal
Concen: Below ug/mL
RT: 6.685 min Scan# 1936
Delta R.T. -0.006 min
Lab File: 337830.D
Acq: 22 Aug 13 8:19 pm

Tgt Ion:149 Resp: 5288

Ion	Ratio	Lower	Upper
149	100		
177	18.7	0.0	49.9
150	6.5	0.0	42.4

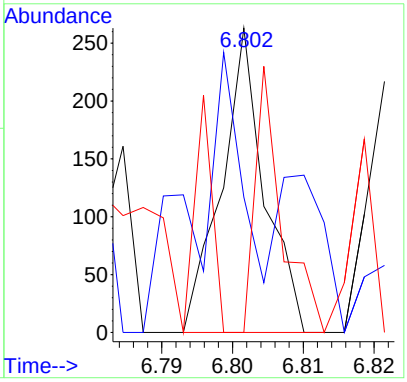


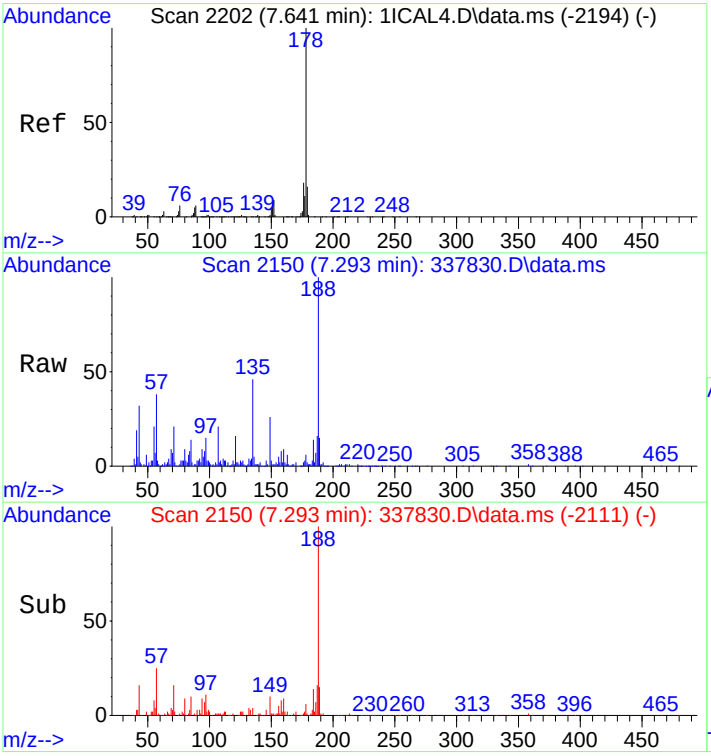


#65
Ntrsdiphlam&Diphlam
Concen: Below ug/mL
RT: 6.802 min Scan# 1977
Delta R.T. -0.011 min
Lab File: 337830.D
Acq: 22 Aug 13 8:19 pm

Tgt Ion:169 Resp: 111

Ion	Ratio	Lower	Upper
169	100		
168	8.4	34.5	94.5#
167	0.0	4.6	64.6#

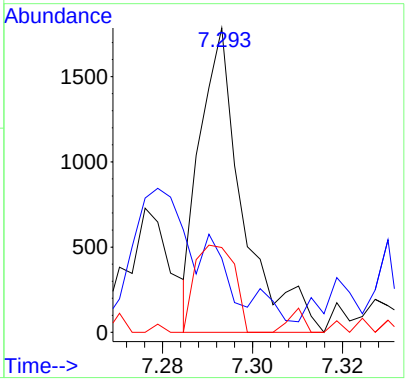


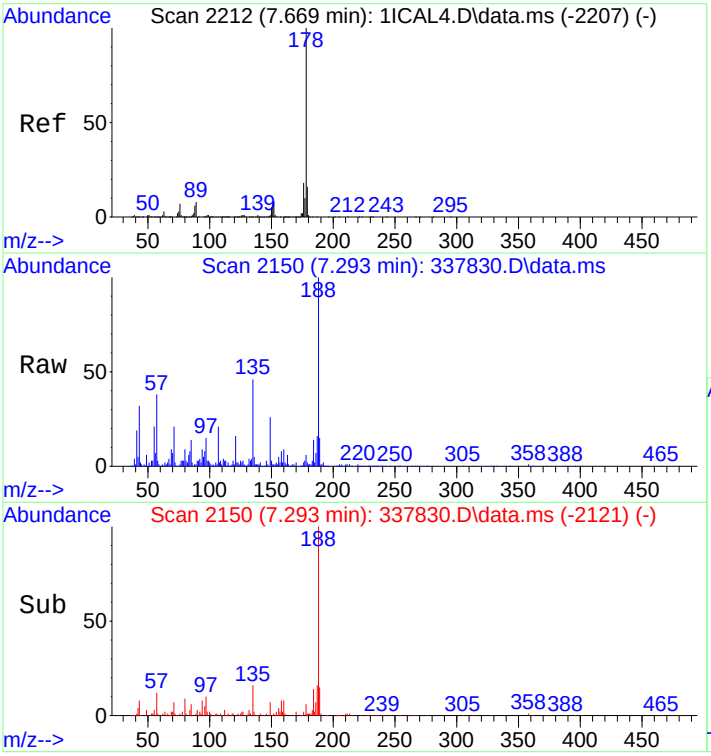


#70
Phenanthrene
Concen: 0.03 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.003 min
Lab File: 337830.D
Acq: 22 Aug 13 8:19 pm

Tgt Ion:178 Resp: 1182

Ion	Ratio	Lower	Upper
178	100		
179	18.3	0.0	45.5
176	27.9	0.0	49.4

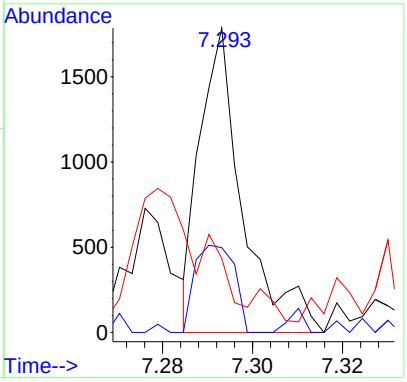


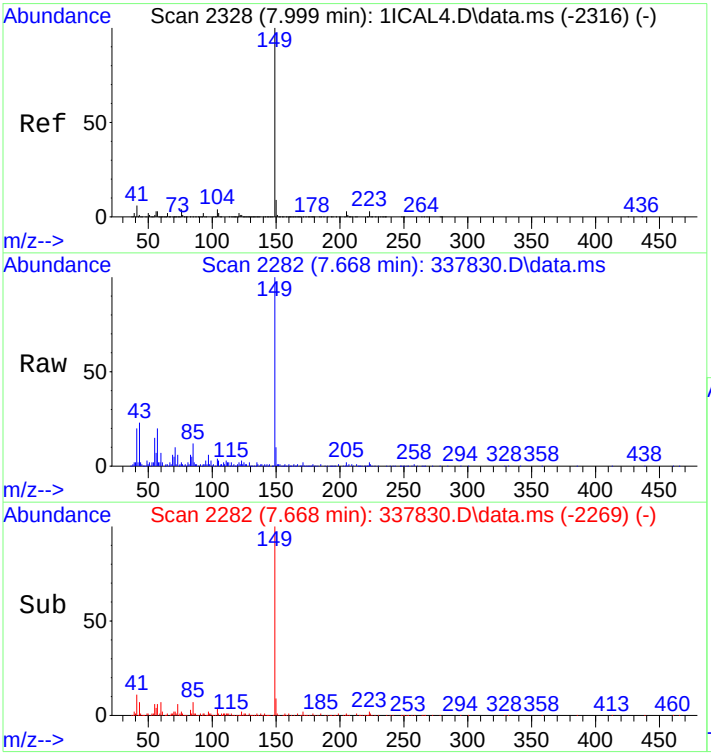


#71
Anthracene
Concen: 0.03 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.031 min
Lab File: 337830.D
Acq: 22 Aug 13 8:19 pm

Tgt Ion:178 Resp: 1182

Ion	Ratio	Lower	Upper
178	100		
176	27.9	0.0	49.2
179	18.3	0.0	45.7

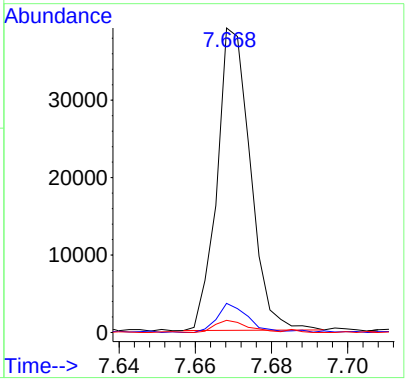


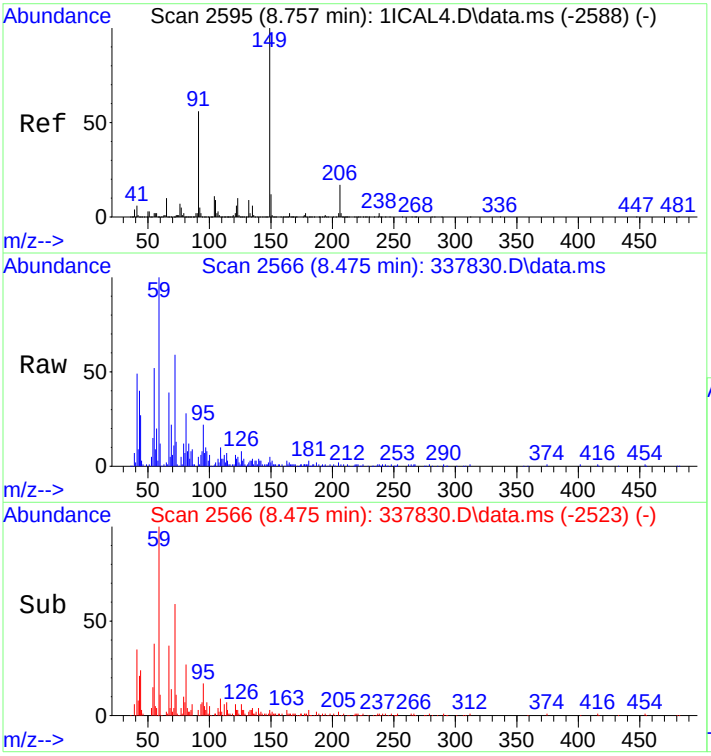


#73
Dinbtylphthal
Concen: 0.50 ug/mL
RT: 7.668 min Scan# 2282
Delta R.T. -0.003 min
Lab File: 337830.D
Acq: 22 Aug 13 8:19 pm

Tgt Ion:149 Resp: 23740

Ion	Ratio	Lower	Upper
149	100		
150	9.6	0.0	39.4
104	4.0	0.0	33.5

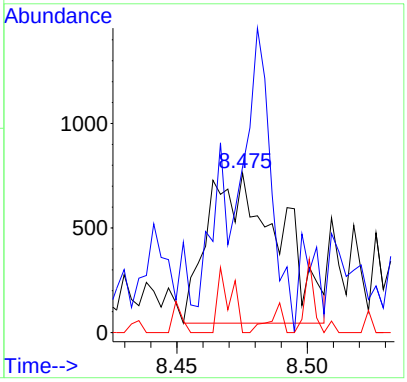


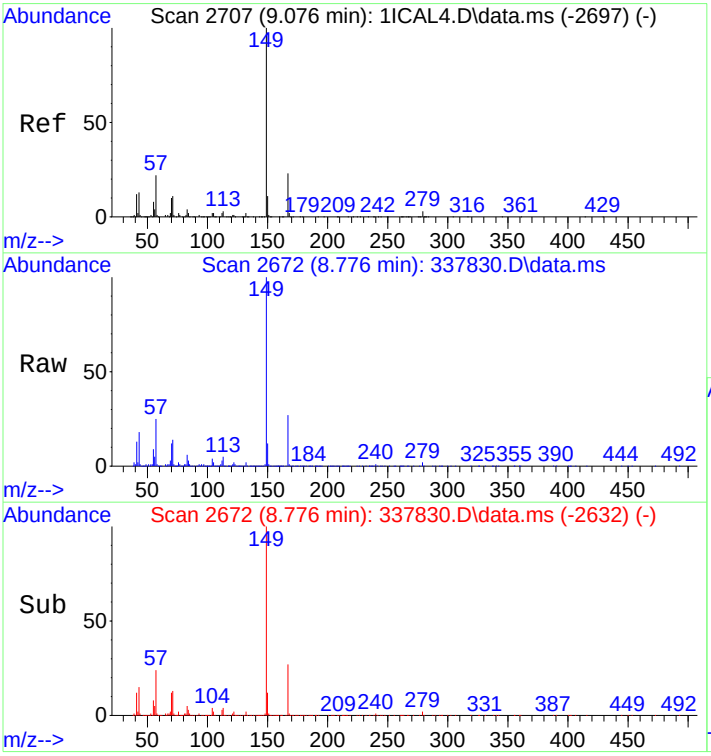


#79
Btylbzylphth
Concen: 0.12 ug/mL
RT: 8.475 min Scan# 2566
Delta R.T. 0.009 min
Lab File: 337830.D
Acq: 22 Aug 13 8:19 pm

Tgt Ion:149 Resp: 1378

Ion	Ratio	Lower	Upper
149	100		
91	98.1	26.8	86.8#
206	0.0	0.0	42.4

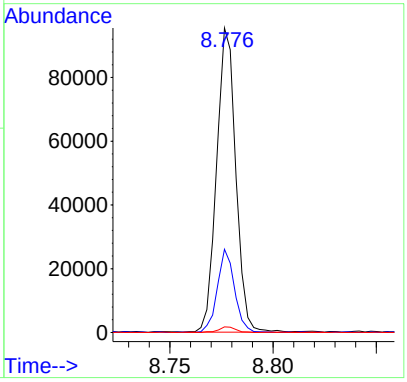


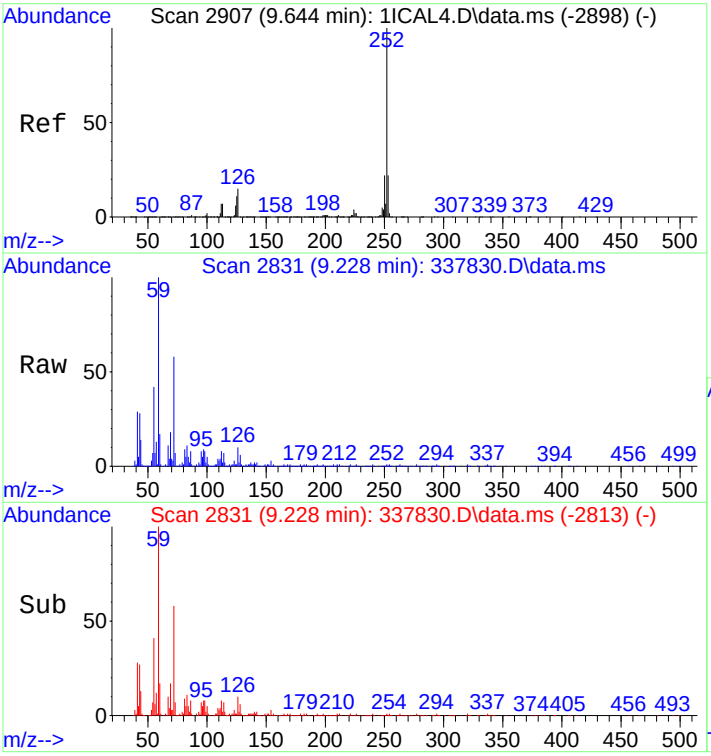


#84
bis2Ethlhxlph
Concen: 4.13 ug/mL
RT: 8.776 min Scan# 2672
Delta R.T. 0.000 min
Lab File: 337830.D
Acq: 22 Aug 13 8:19 pm

Tgt Ion:149 Resp: 61856

Ion	Ratio	Lower	Upper
149	100		
167	27.3	0.0	55.0
279	1.8	0.0	31.6

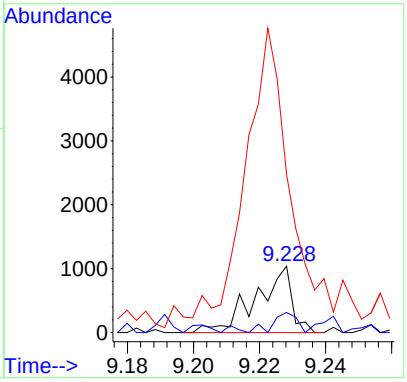


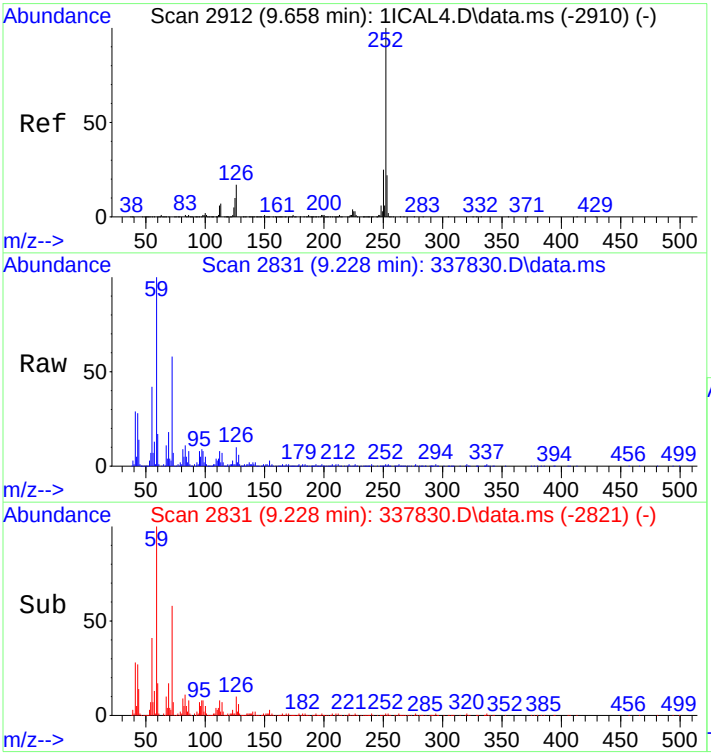


#87
B[b]fluoranth
Concen: 0.05 ug/mL
RT: 9.228 min Scan# 2831
Delta R.T. -0.048 min
Lab File: 337830.D
Acq: 22 Aug 13 8:19 pm

Tgt Ion:252 Resp: 790

Ion	Ratio	Lower	Upper
252	100		
253	26.9	0.0	52.8
125	191.1	0.0	46.4#

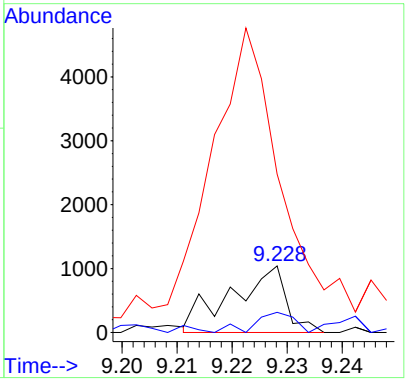




#88
B[k]fluoranth
Concen: 0.05 ug/mL
RT: 9.228 min Scan# 2831
Delta R.T. -0.063 min
Lab File: 337830.D
Acq: 22 Aug 13 8:19 pm

Tgt Ion:252 Resp: 723

Ion	Ratio	Lower	Upper
252	100		
253	17.5	0.0	52.3
125	154.9	0.0	45.8#



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337832.D Vial: 25
Acq On : 22 Aug 2013 20:37 Operator: RPN
Sample : 97038,337832, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:34:30 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

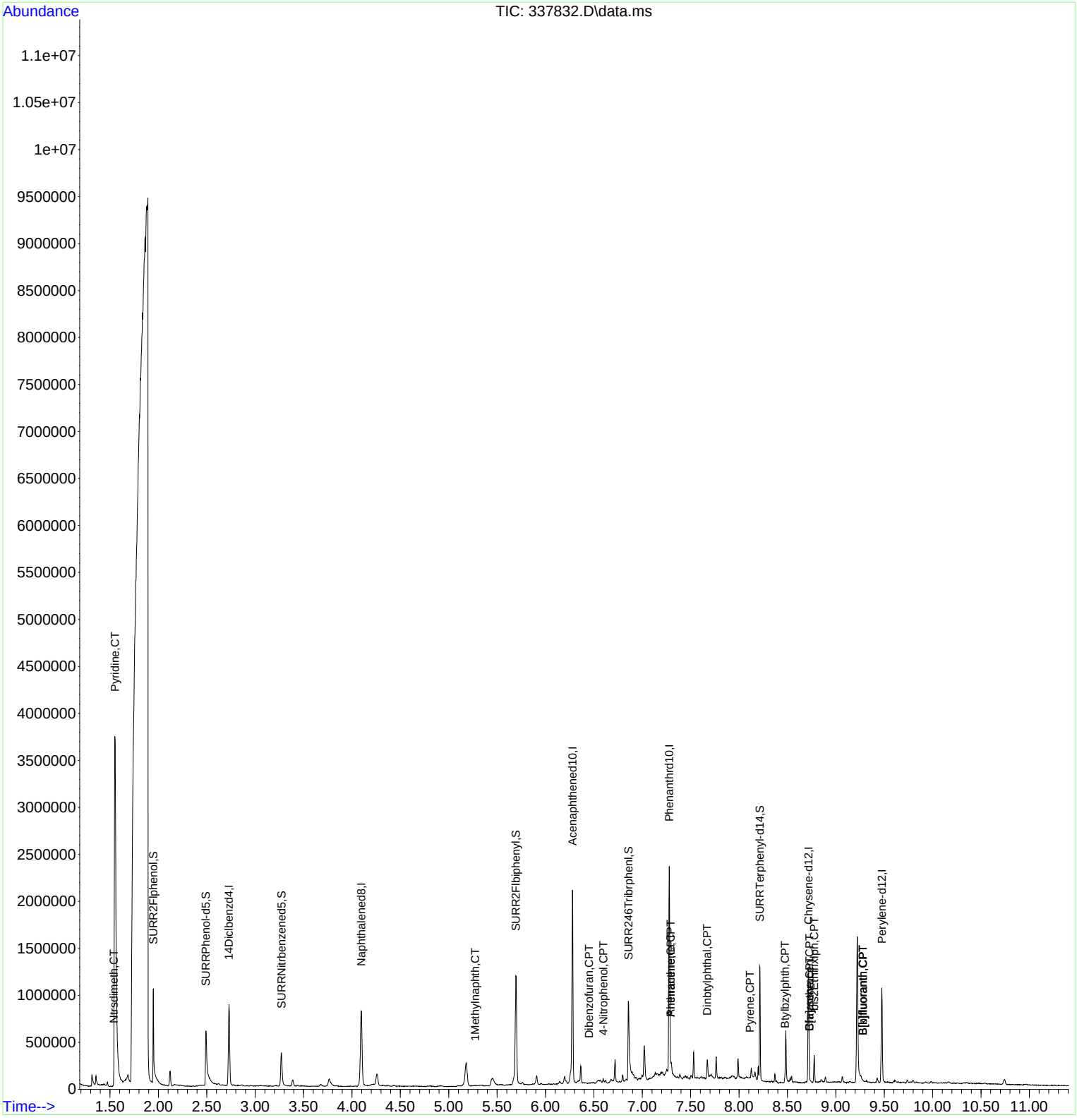
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.730	152	160025	20.00	ug/mL	0.00
21) Naphthalened8	4.096	136	559677	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	469260	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	641827	20.00	ug/mL	0.00
75) Chrysene-d12	8.717	240	303600	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	290197	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.948	112	244049	55.95	%REC	0.07
Spiked Amount 100.000	Range 20 - 110		Recovery = 55.95%			
7) SURRPhenol-d5	2.491	99	331197	71.18	%REC	0.02
Spiked Amount 100.000	Range 10 - 115		Recovery = 71.18%			
22) SURRNitrbenzened5	3.272	82	135074	83.27	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 83.27%			
44) SURR2Flbiphenyl	5.693	172	511848	82.97	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 82.97%			
62) SURR246Tribrphenl	6.858	330	128810	82.95	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 82.95%			
78) SURRTerphenyl-d14	8.214	244	263122	86.91	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 86.91%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.539	74	5583	0.9583	ug/mL#	1
3) Pyridine	1.551	79	24646	2.2543	ug/mL#	62
38) 1Methylnaphth	5.273	141	585	0.0242	ug/mL#	13
48) Dimethylphtha	6.145	163	975	Below Cal		92
53) Dibenzofuran	6.449	168	1783	0.0497	ug/mL	81
55) 4-Nitrophenol	6.600	139	1293	0.2646	ug/mL#	1
60) Diethylphthal	6.685	149	2537	Below Cal		95
65) Ntrsdiphlam&Diphlam	6.821	169	975	Below Cal #		27
66) Azobenz&12Diphlhyd	6.838	182	1357	Below Cal #		1
70) Phenanthrene	7.293	178	10399	0.3162	ug/mL	94
71) Anthracene	7.293	178	10399	0.3044	ug/mL	94
73) Dinbtylphthal	7.671	149	16105	0.3672	ug/mL	99
77) Pyrene	8.111	202	1322	0.0346	ug/mL	86
79) Btylbzylphth	8.475	149	1573	0.1470	ug/mL#	37
82) B[a]anthracen	8.728	228	4264	0.2473	ug/mL	96
83) Chrysene	8.728	228	4297	0.2686	ug/mL	97
84) bis2Ethlhxlph	8.776	149	65281	4.5773	ug/mL	98
87) B[b]fluoranth	9.279	252	1111	0.0673	ug/mL	79
88) B[k]fluoranth	9.279	252	1111	0.0729	ug/mL	78

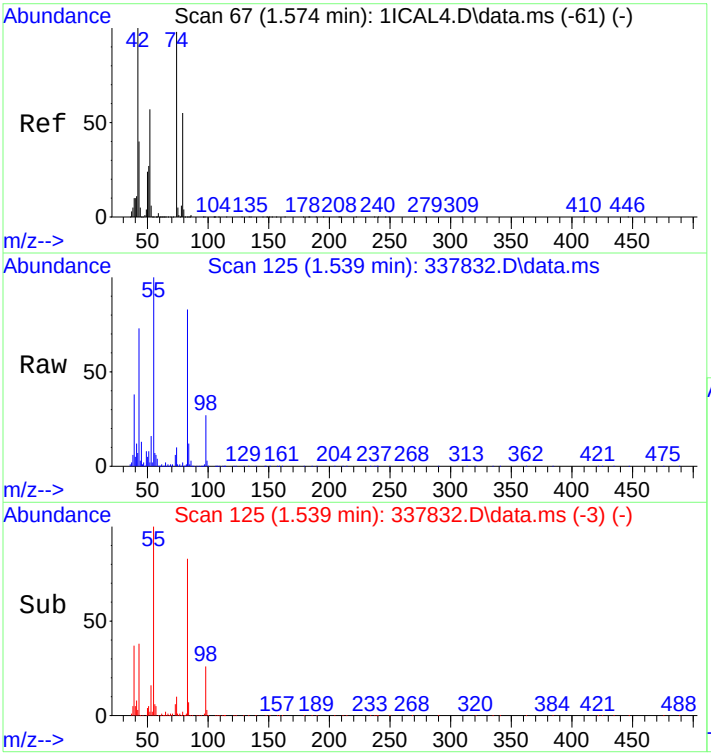
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337832.D Vial: 25
Acq On : 22 Aug 2013 20:37 Operator: RPN
Sample : 97038,337832, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:34:30 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

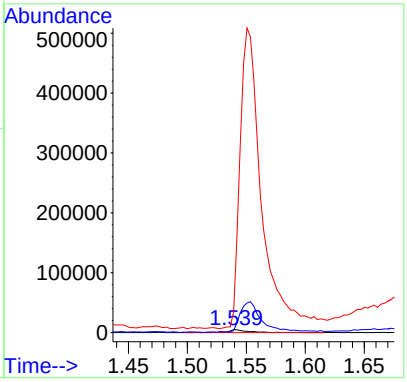


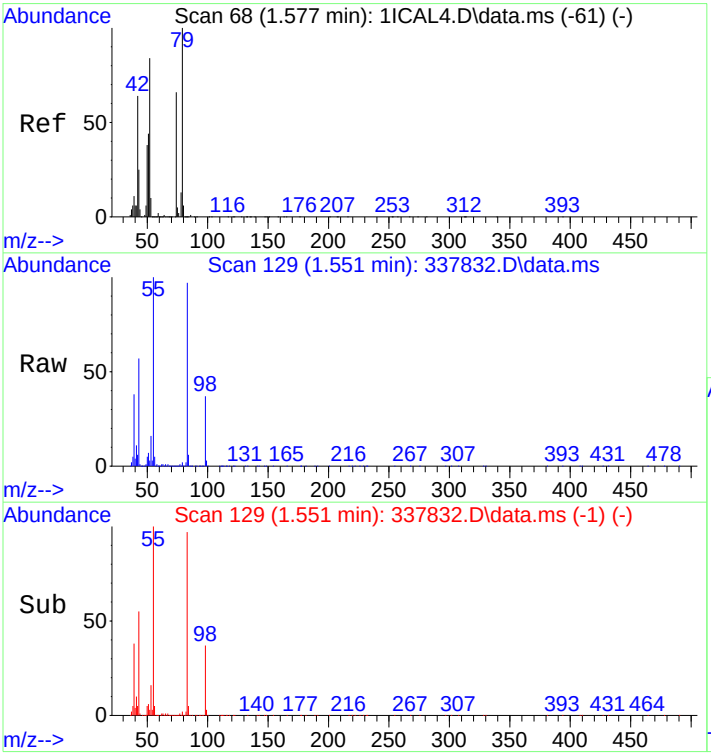


#2
Ntrsdimeth
Concen: 0.96 ug/mL
RT: 1.539 min Scan# 125
Delta R.T. 0.247 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion: 74 Resp: 5583

Ion	Ratio	Lower	Upper
74	100		
42	53.8	61.9	121.9#
43	487.5	11.4	71.4#

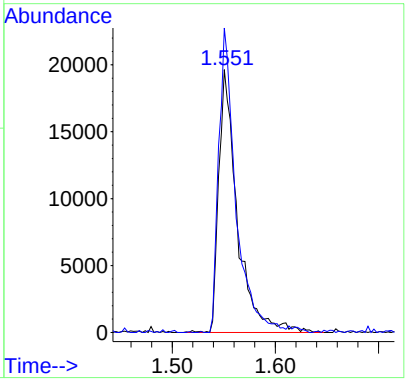


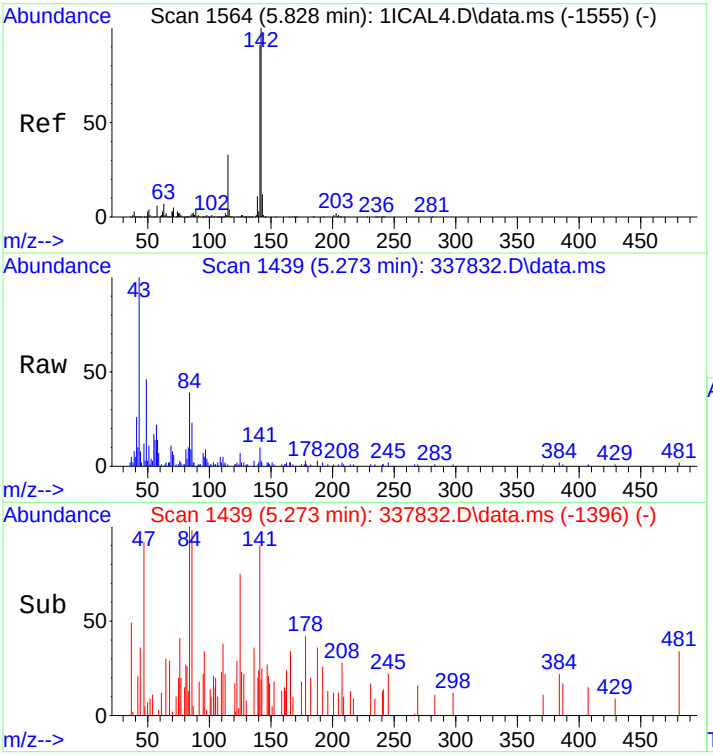


#3
Pyridine
Concen: 2.25 ug/mL
RT: 1.551 min Scan# 129
Delta R.T. 0.259 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion: 79 Resp: 24646

Ion	Ratio	Lower	Upper
79	100		
52	115.8	51.7	111.7#

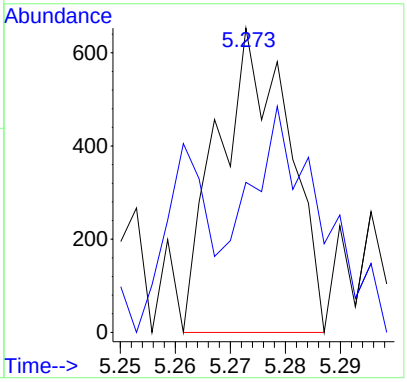


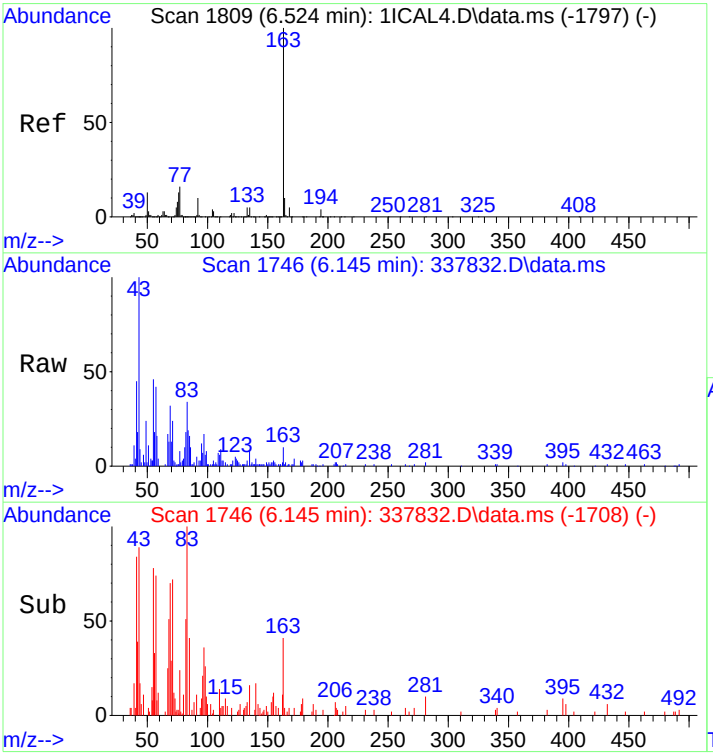


#38
1Methylnaphth
Concen: 0.02 ug/mL
RT: 5.273 min Scan# 1439
Delta R.T. 0.003 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:141 Resp: 585

Ion	Ratio	Lower	Upper
141	100		
142	20.2	83.3	143.3#

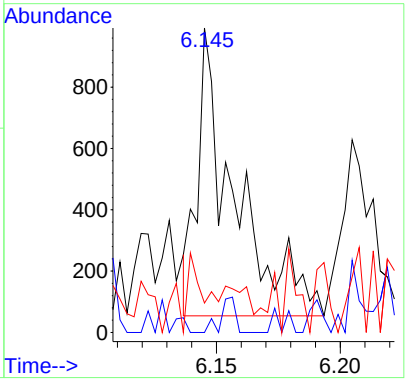


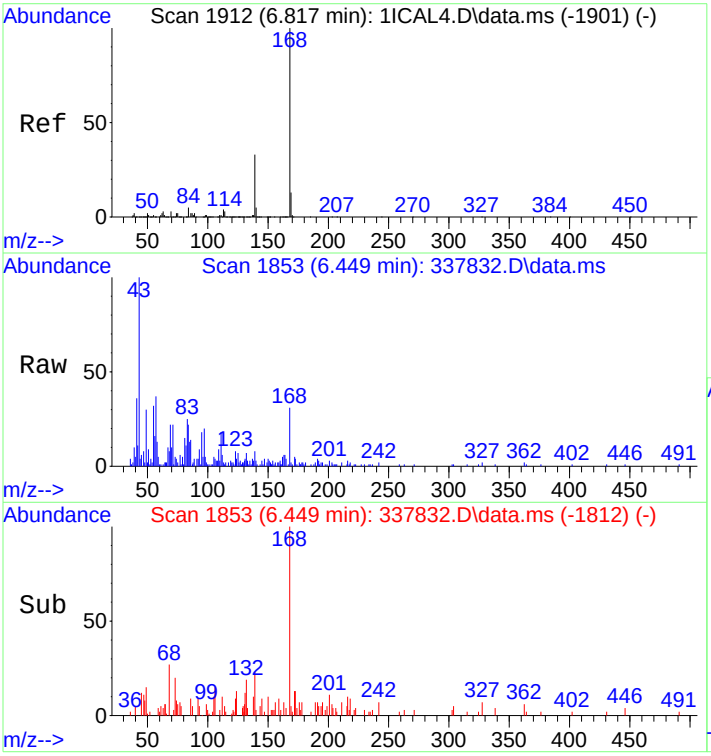


#48
Dimethylphtha
Concen: Below ug/mL
RT: 6.145 min Scan# 1746
Delta R.T. -0.011 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:163 Resp: 975

Ion	Ratio	Lower	Upper
163	100		
194	0.0	0.0	33.1
164	13.0	0.0	40.2

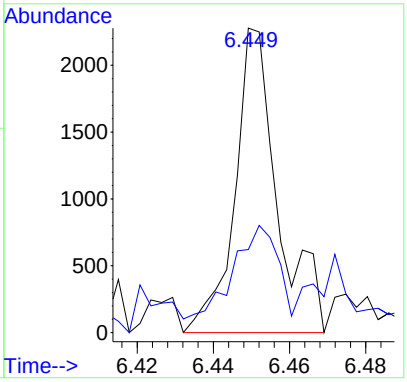


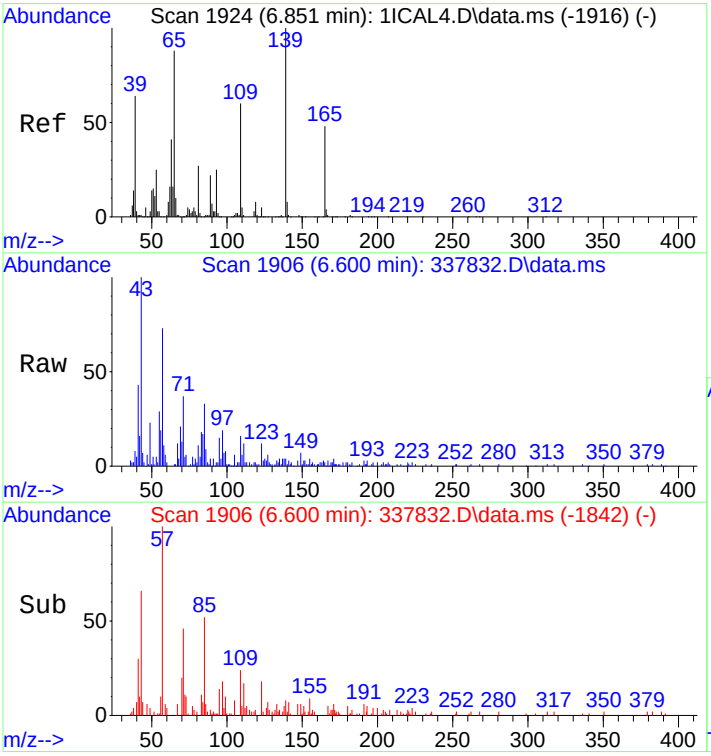


#53
Dibenzofuran
Concen: 0.05 ug/mL
RT: 6.449 min Scan# 1853
Delta R.T. 0.003 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:168 Resp: 1783

Ion	Ratio	Lower	Upper
168	100		
139	22.8	3.3	63.3

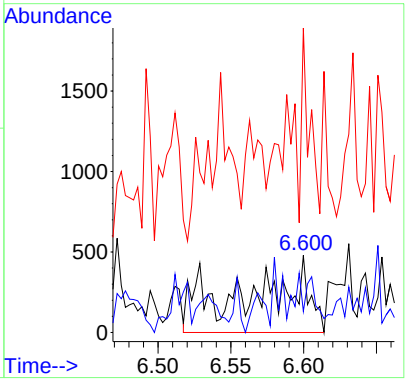


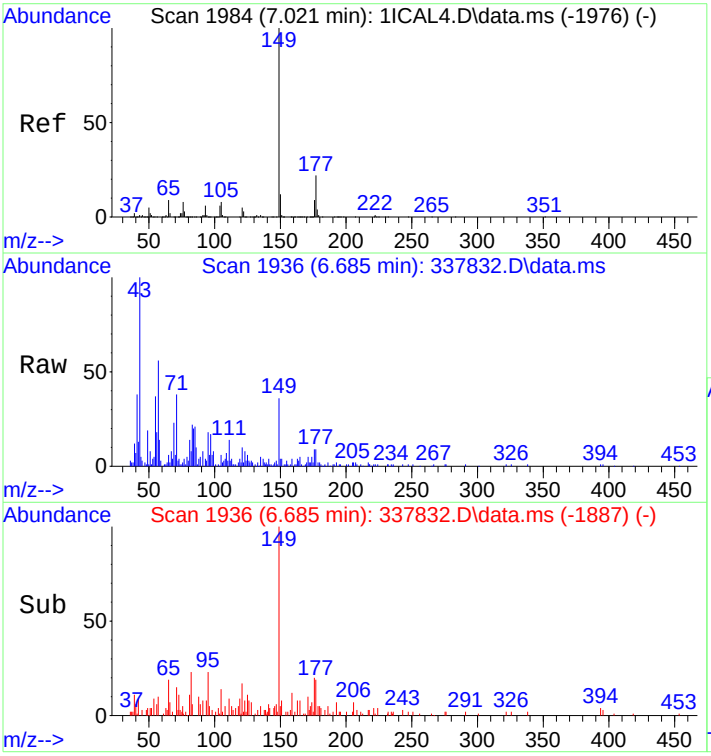


#55
4-Nitrophenol
Concen: 0.26 ug/mL
RT: 6.600 min Scan# 1906
Delta R.T. 0.102 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:139 Resp: 1293

Ion	Ratio	Lower	Upper
139	100		
65	9.4	35.9	95.9#
109	248.9	26.2	66.2#

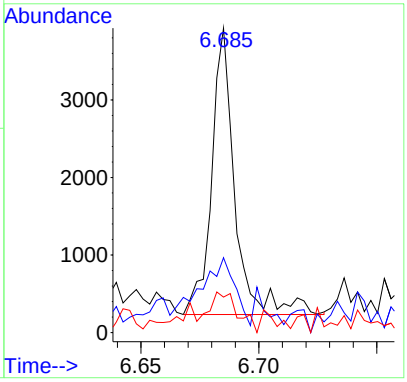


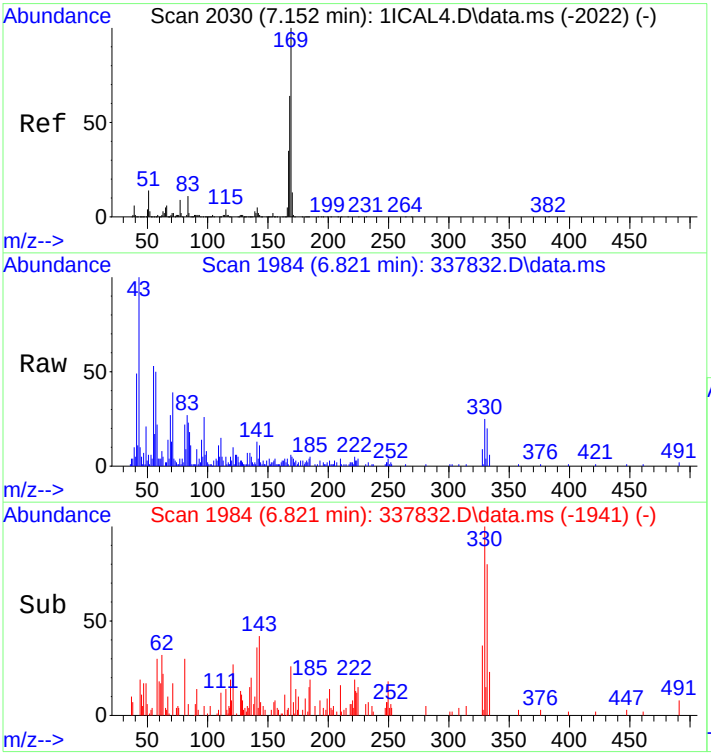


#60
Diethylphthal
Concen: Below ug/mL
RT: 6.685 min Scan# 1936
Delta R.T. -0.006 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:149 Resp: 2537

Ion	Ratio	Lower	Upper
149	100		
177	22.4	0.0	49.9
150	10.4	0.0	42.4

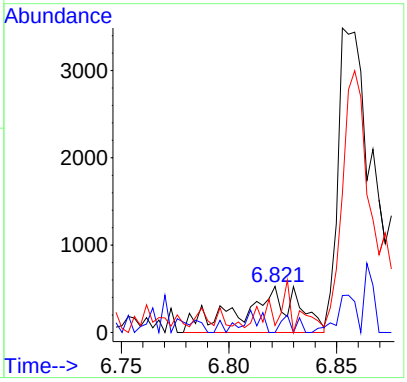


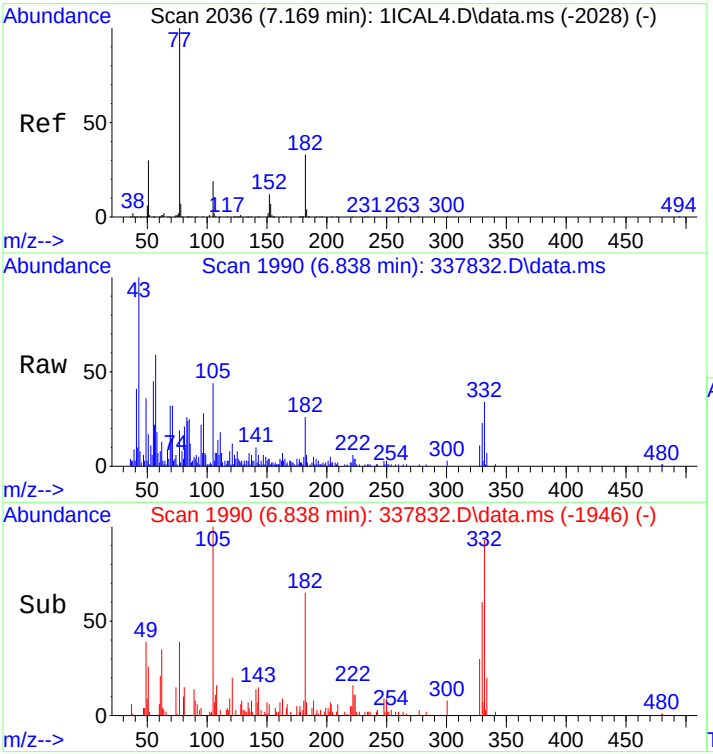


#65
Ntrsdiphlam&Diphlam
Concen: Below ug/mL
RT: 6.821 min Scan# 1984
Delta R.T. 0.008 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:169 Resp: 975

Ion	Ratio	Lower	Upper
169	100		
168	0.0	34.5	94.5#
167	2.7	4.6	64.6#

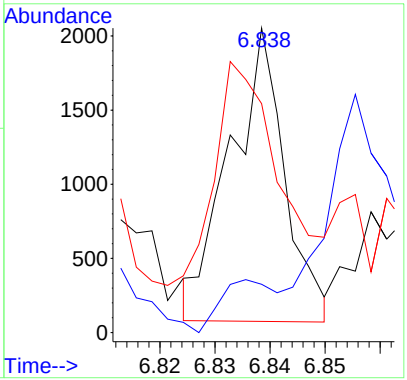


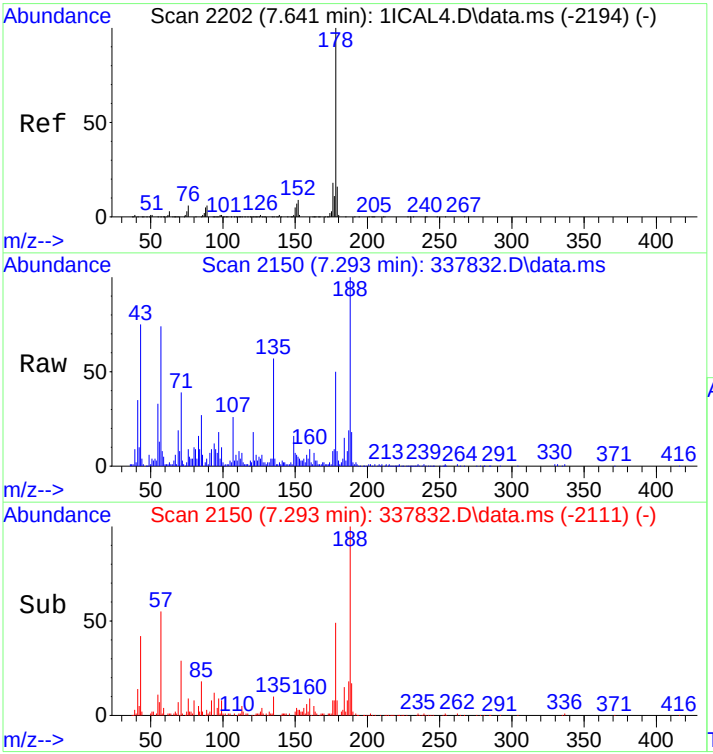


#66
Azobenz&12Diphlhyd
Concen: Below ug/mL
RT: 6.838 min Scan# 1990
Delta R.T. 0.011 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:182 Resp: 1357

Ion	Ratio	Lower	Upper
182	100		
152	14.1	9.8	69.8
77	64.0	337.4	397.4#

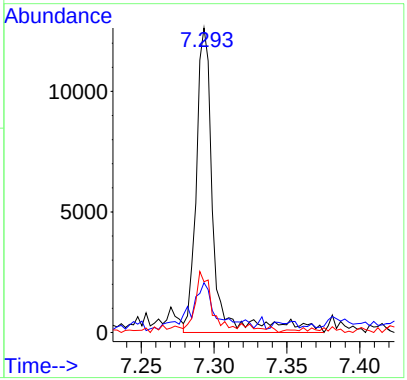


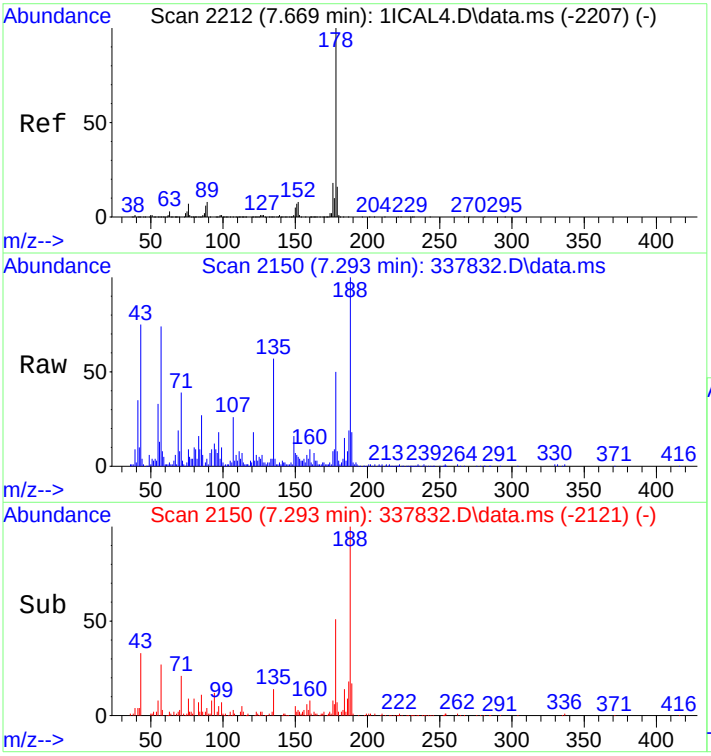


#70
Phenanthrene
Concen: 0.32 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.003 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:178 Resp: 10399

Ion	Ratio	Lower	Upper
178	100		
179	14.3	0.0	45.5
176	15.4	0.0	49.4

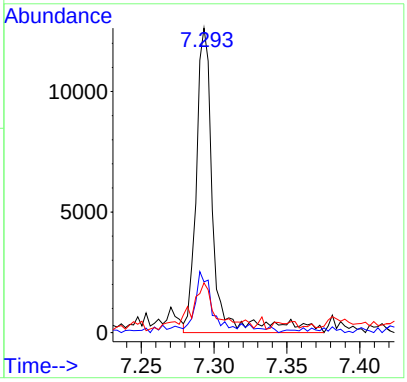


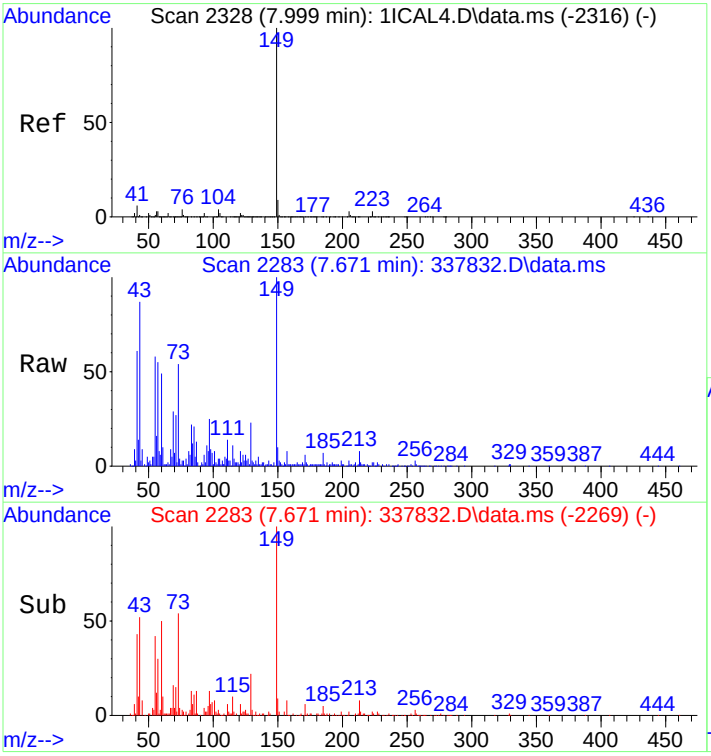


#71
Anthracene
Concen: 0.30 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.031 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:178 Resp: 10399

Ion	Ratio	Lower	Upper
178	100		
176	15.4	0.0	49.2
179	14.3	0.0	45.7

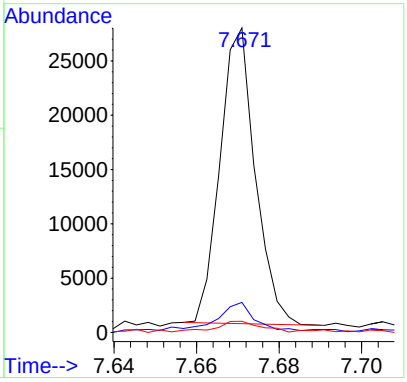


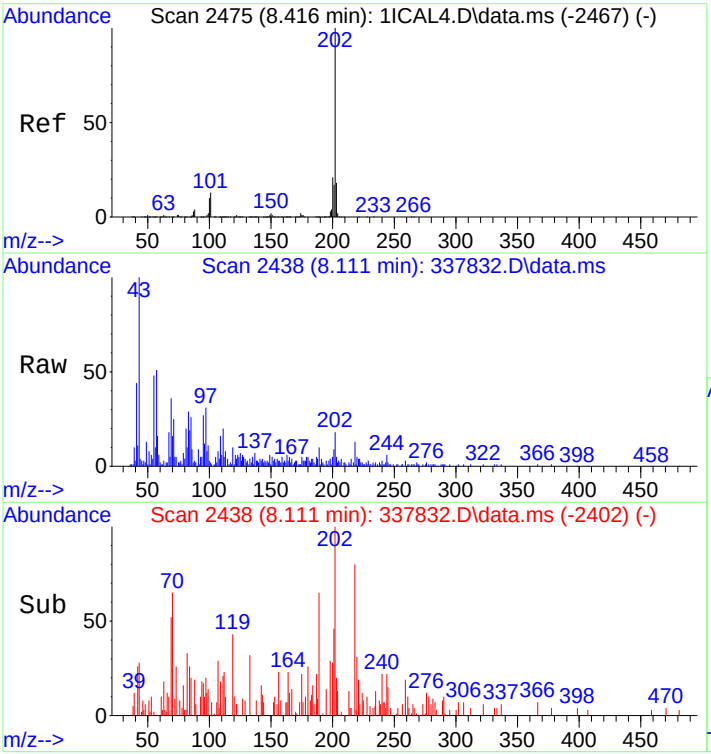


#73
Dinbtylphthal
Concen: 0.37 ug/mL
RT: 7.671 min Scan# 2283
Delta R.T. -0.000 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:149 Resp: 16105

Ion	Ratio	Lower	Upper
149	100		
150	9.1	0.0	39.4
104	3.0	0.0	33.5

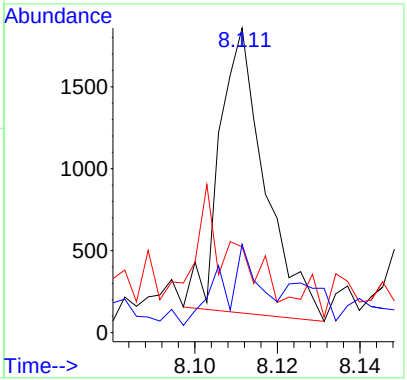


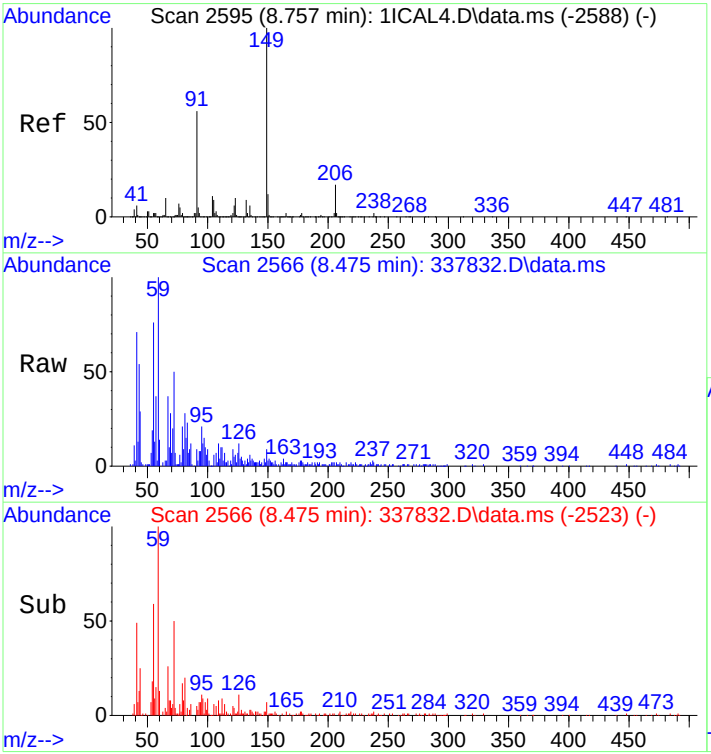


#77
Pyrene
Concen: 0.03 ug/mL
RT: 8.111 min Scan# 2438
Delta R.T. 0.003 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:202 Resp: 1322

Ion	Ratio	Lower	Upper
202	100		
200	27.7	0.0	50.3
203	24.0	0.0	48.5

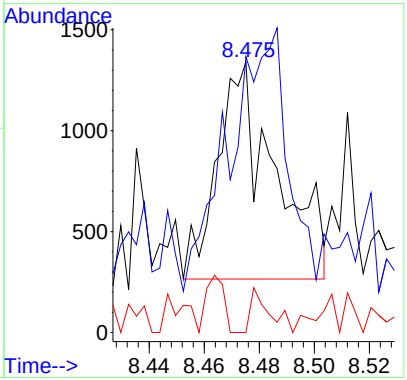


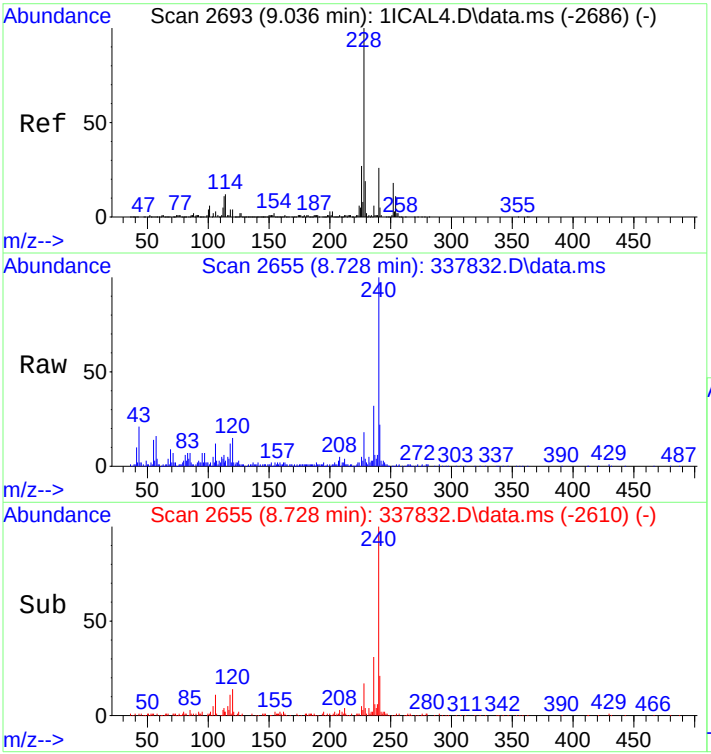


#79
Btylbzylphth
Concen: 0.15 ug/mL
RT: 8.475 min Scan# 2566
Delta R.T. 0.008 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:149 Resp: 1573

Ion	Ratio	Lower	Upper
149	100		
91	108.2	26.8	86.8#
206	0.0	0.0	42.4

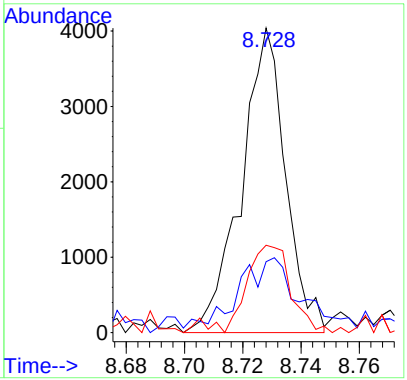


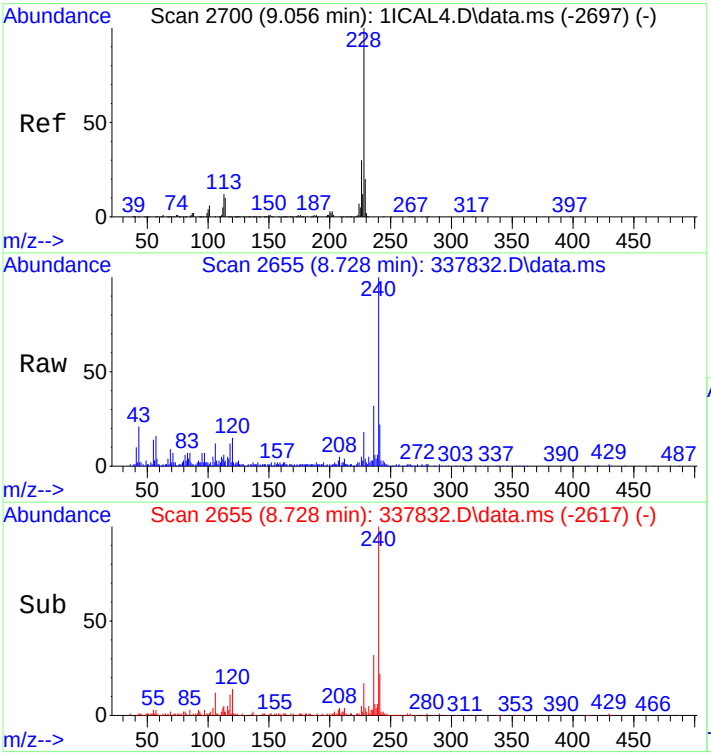


#82
B[a]anthracen
Concen: 0.25 ug/mL
RT: 8.728 min Scan# 2655
Delta R.T. 0.014 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:228 Resp: 4264

Ion	Ratio	Lower	Upper
228	100		
229	21.8	0.0	48.9
226	28.7	0.0	57.3

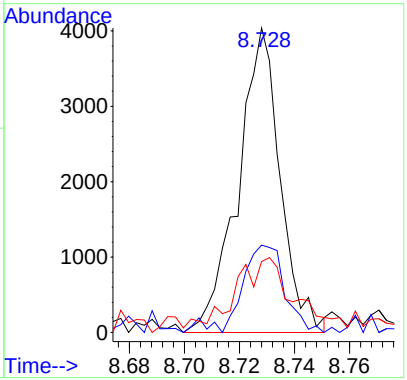


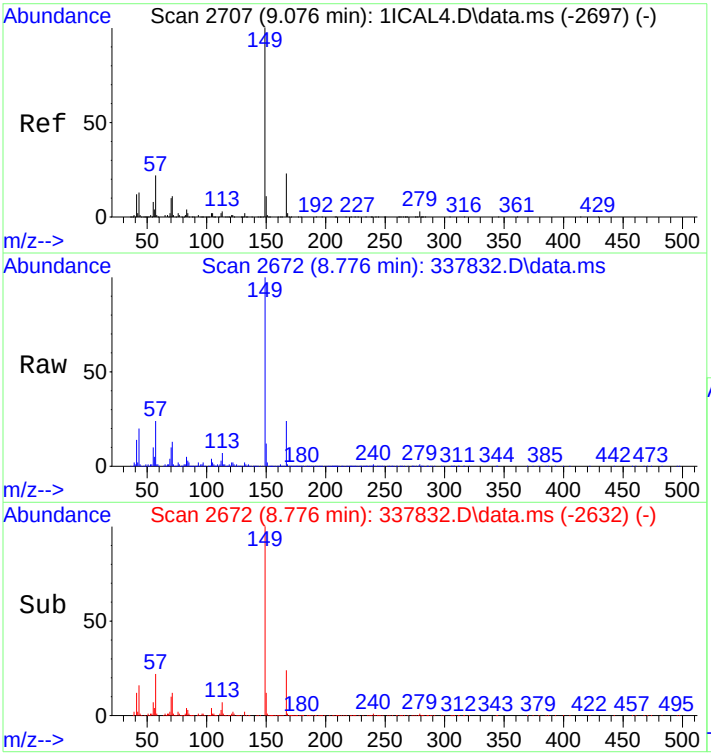


#83
Chrysene
Concen: 0.27 ug/mL
RT: 8.728 min Scan# 2655
Delta R.T. -0.006 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:228 Resp: 4297

Ion	Ratio	Lower	Upper
228	100		
226	28.7	0.2	60.2
229	21.8	0.0	50.3

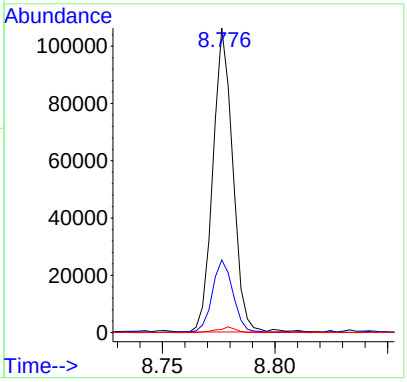


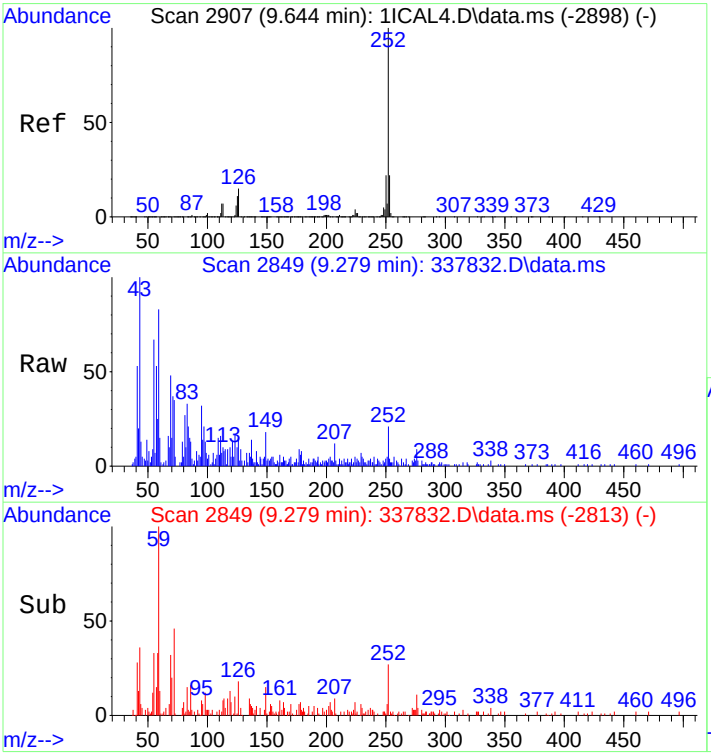


#84
bis2Ethlhxlph
Concen: 4.58 ug/mL
RT: 8.776 min Scan# 2672
Delta R.T. -0.000 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:149 Resp: 65281

Ion	Ratio	Lower	Upper
149	100		
167	23.8	0.0	55.0
279	1.1	0.0	31.6

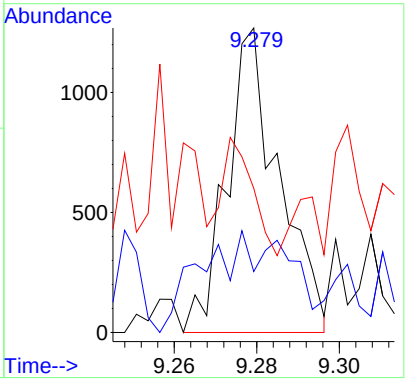


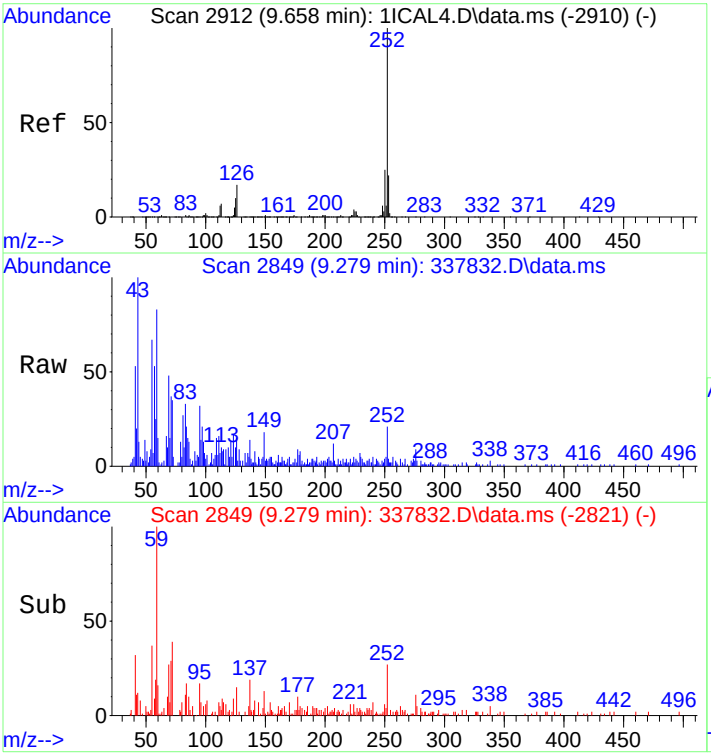


#87
B[b]fluoranth
Concen: 0.07 ug/mL
RT: 9.279 min Scan# 2849
Delta R.T. 0.003 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:252 Resp: 1111

Ion	Ratio	Lower	Upper
252	100		
253	9.5	0.0	52.8
125	21.8	0.0	46.4

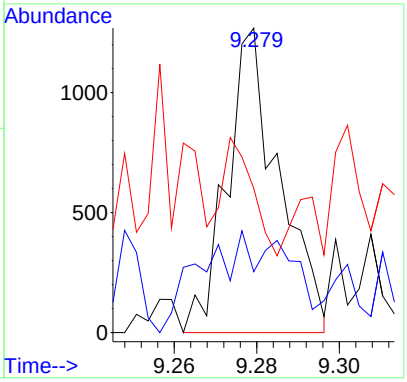




#88
B[k]fluoranth
Concen: 0.07 ug/mL
RT: 9.279 min Scan# 2849
Delta R.T. -0.011 min
Lab File: 337832.D
Acq: 22 Aug 13 8:37 pm

Tgt Ion:252 Resp: 1111

Ion	Ratio	Lower	Upper
252	100		
253	9.5	0.0	52.3
125	21.8	0.0	45.8



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337834.D Vial: 26
Acq On : 22 Aug 2013 20:55 Operator: RPN
Sample : 97038,337834, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:36:47 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

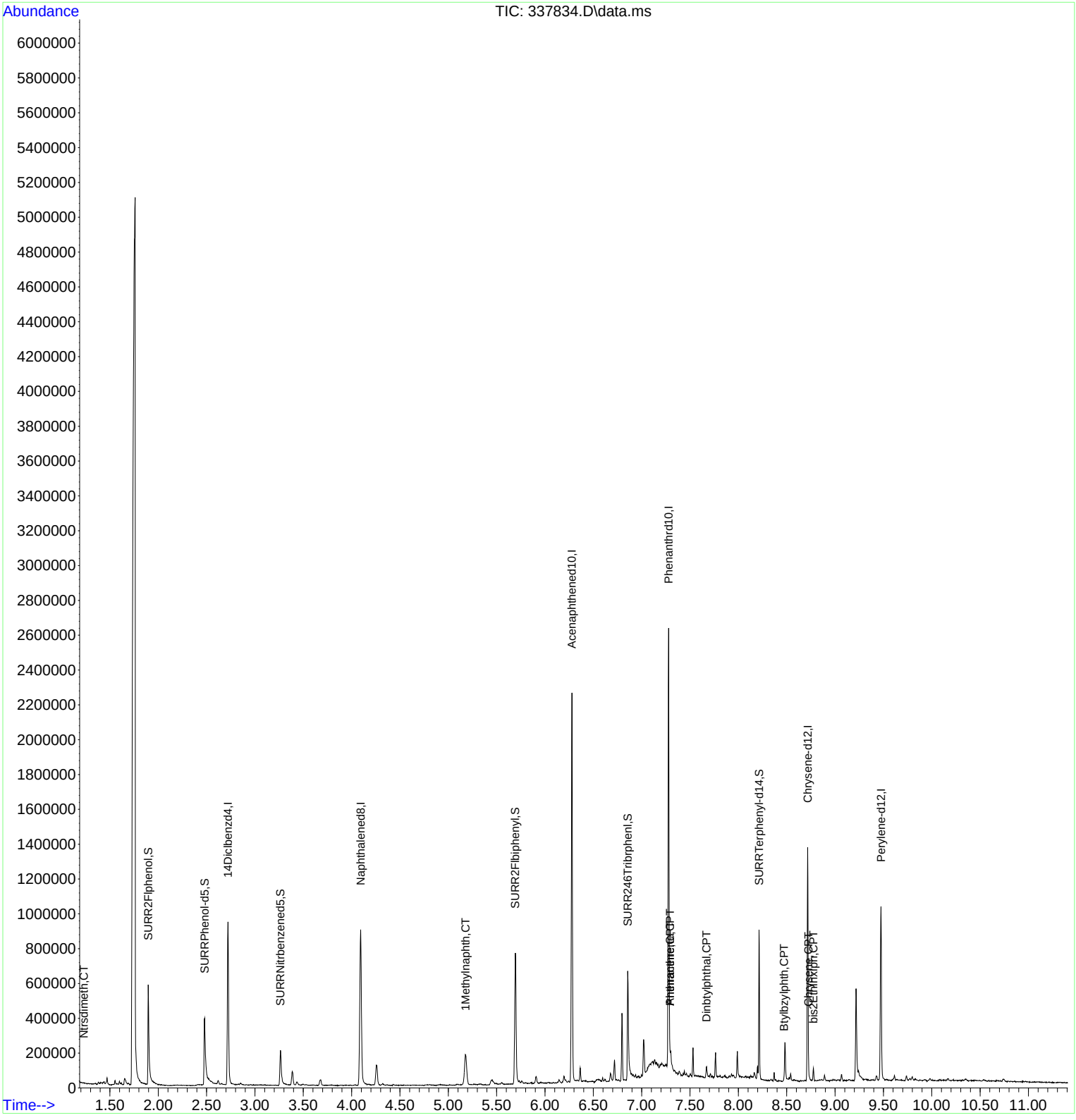
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	159270	20.00	ug/mL	0.00
21) Naphthalened8	4.094	136	587022	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	462214	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	711784	20.00	ug/mL	0.00
75) Chrysene-d12	8.717	240	326406	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	287097	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.897	112	176174	40.58	%REC	0.02
Spiked Amount 100.000	Range 20 - 110		Recovery = 40.58%			
7) SURRPhenol-d5	2.480	99	201483	43.51	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 43.51%			
22) SURRNitrbenzened5	3.264	82	77078	45.30	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 45.30%			
44) SURR2Flbiphenyl	5.693	172	301041	49.54	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 49.54%#			
62) SURR246Tribrphenl	6.856	330	71069	46.46	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 46.46%			
78) SURRTerphenyl-d14	8.214	244	174128	53.49	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 53.49%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.232	74	1222	0.2107	ug/mL#	1
38) 1Methylnaphth	5.179	141	574	0.0226	ug/mL#	18
48) Dimethylphtha	6.151	163	785	Below Cal		68
60) Diethylphthal	6.685	149	4319	Below Cal		86
65) Ntrsdiphlam&Diphlam	6.799	169	296	Below Cal	#	48
66) Azobenz&12Diphlhyd	6.836	182	729	Below Cal	#	1
70) Phenanthrene	7.293	178	2590	0.0710	ug/mL	90
71) Anthracene	7.293	178	2590	0.0684	ug/mL	90
73) Dinbtylphthal	7.671	149	18192	0.3741	ug/mL	99
79) Btylbzylphth	8.472	149	600	0.0522	ug/mL	77
83) Chrysene	8.725	228	2585	0.1503	ug/mL	96
84) bis2Ethlhxlph	8.776	149	16453	1.0730	ug/mL	99

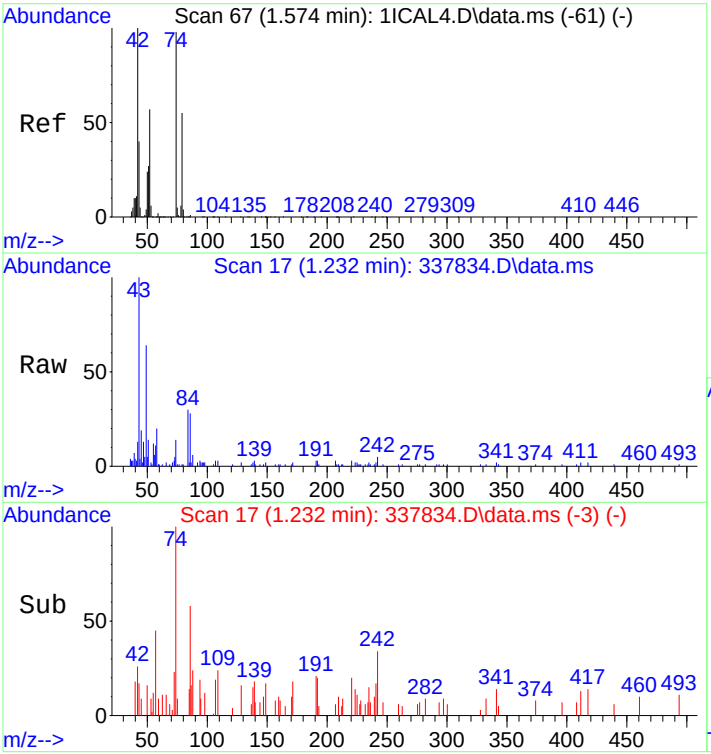
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337834.D Vial: 26
Acq On : 22 Aug 2013 20:55 Operator: RPN
Sample : 97038,337834, Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:36:47 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

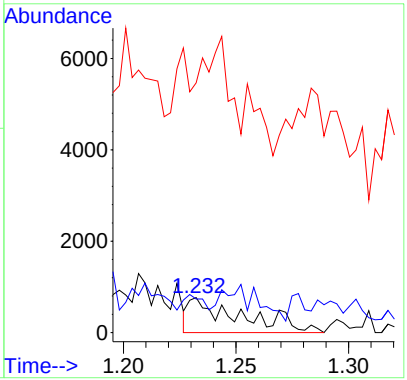


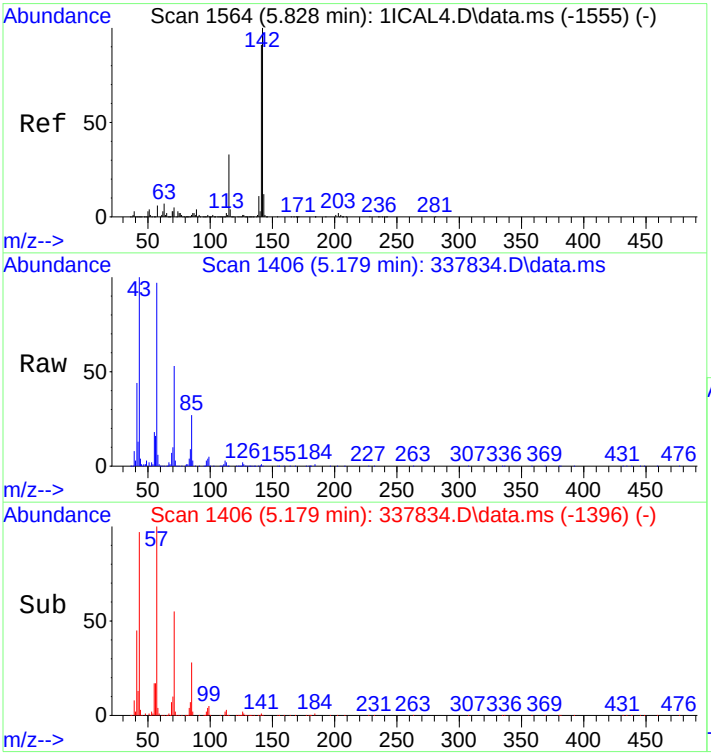


#2
Ntrsdimeth
Concen: 0.21 ug/mL
RT: 1.232 min Scan# 17
Delta R.T. -0.060 min
Lab File: 337834.D
Acq: 22 Aug 13 8:55 pm

Tgt Ion: 74 Resp: 1222

Ion	Ratio	Lower	Upper
74	100		
42	16.3	61.9	121.9#
43	183.6	11.4	71.4#

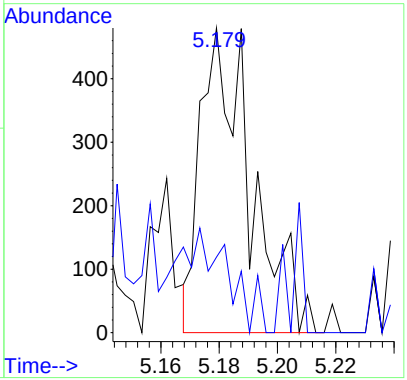


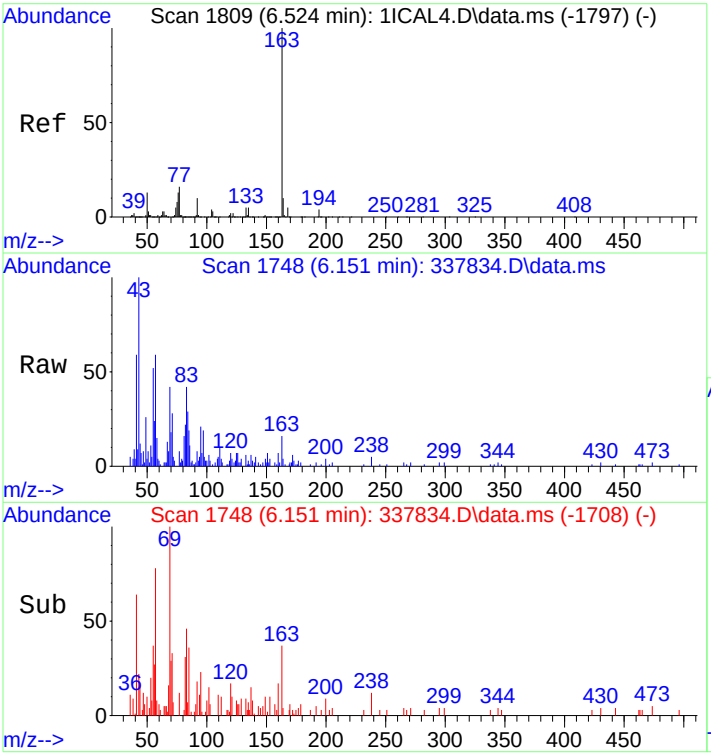


#38
1Methylnaphth
Concen: 0.02 ug/mL
RT: 5.179 min Scan# 1406
Delta R.T. -0.091 min
Lab File: 337834.D
Acq: 22 Aug 13 8:55 pm

Tgt Ion:141 Resp: 574

Ion	Ratio	Lower	Upper
141	100		
142	24.8	83.3	143.3#

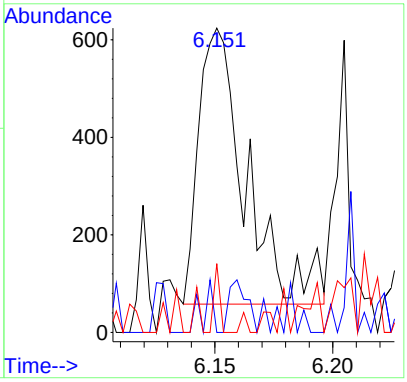


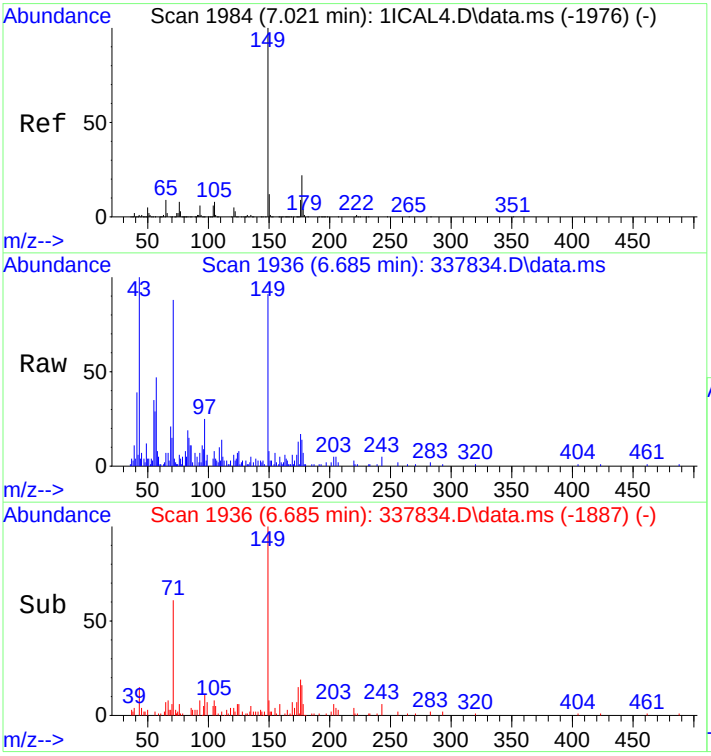


#48
Dimethylphtha
Concen: Below ug/mL
RT: 6.151 min Scan# 1748
Delta R.T. -0.006 min
Lab File: 337834.D
Acq: 22 Aug 13 8:55 pm

Tgt Ion:163 Resp: 785

Ion	Ratio	Lower	Upper
163	100		
194	0.0	0.0	33.1
164	24.9	0.0	40.2

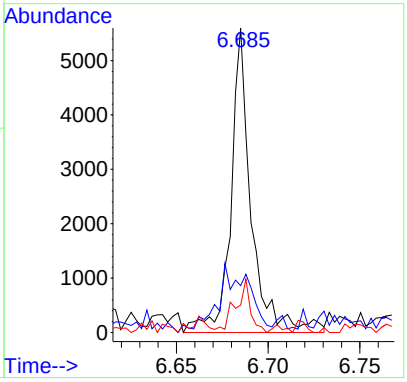


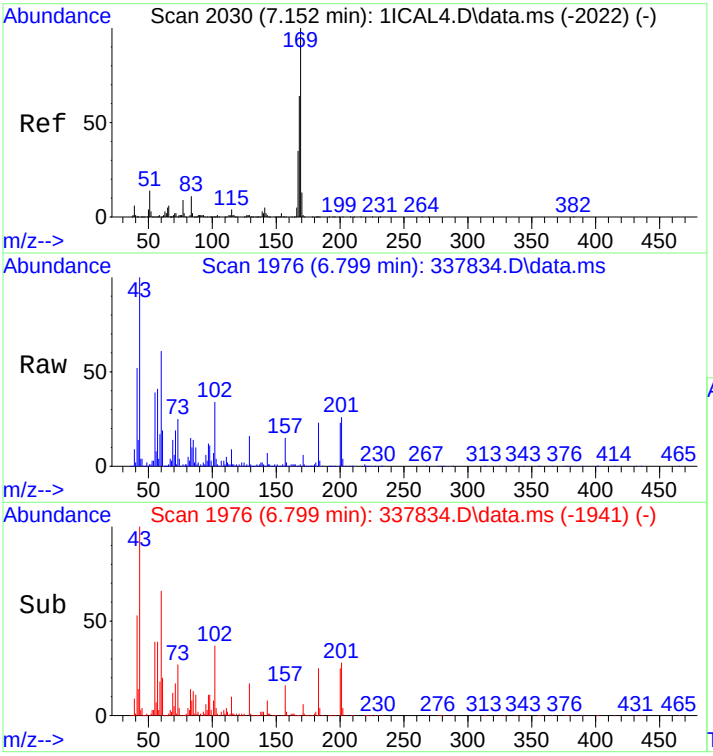


#60
Diethylphthal
Concen: Below ug/mL
RT: 6.685 min Scan# 1936
Delta R.T. -0.006 min
Lab File: 337834.D
Acq: 22 Aug 13 8:55 pm

Tgt Ion:149 Resp: 4319

Ion	Ratio	Lower	Upper
149	100		
177	13.0	0.0	49.9
150	7.3	0.0	42.4

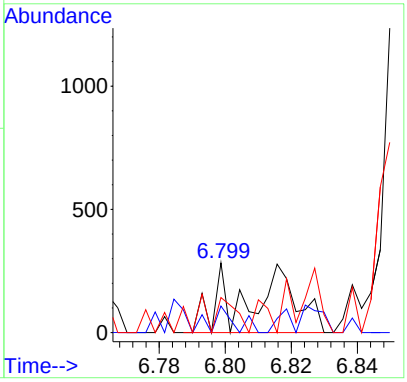


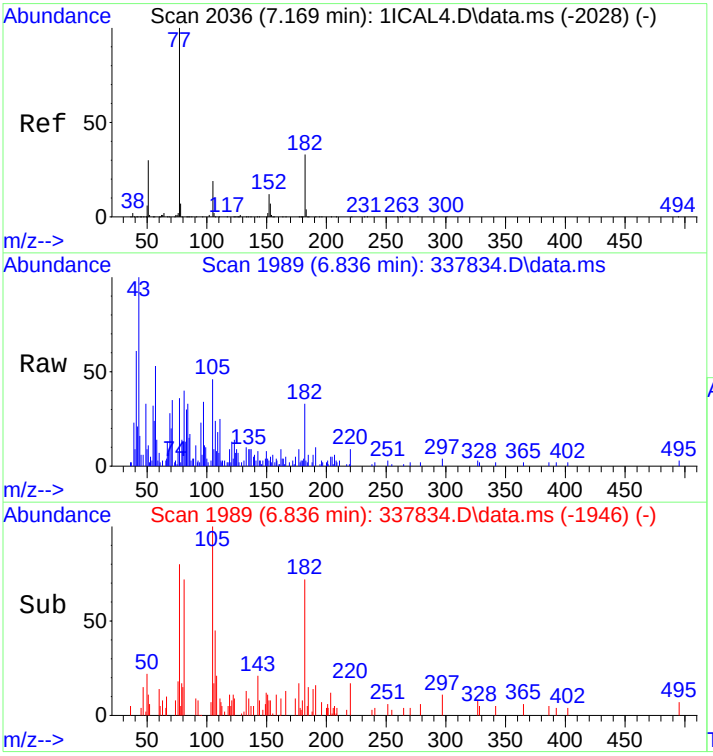


#65
Ntrsdiphlam&Diphlam
Concen: Below ug/mL
RT: 6.799 min Scan# 1976
Delta R.T. -0.014 min
Lab File: 337834.D
Acq: 22 Aug 13 8:55 pm

Tgt Ion:169 Resp: 296

Ion	Ratio	Lower	Upper
169	100		
168	8.8	34.5	94.5#
167	24.4	4.6	64.6

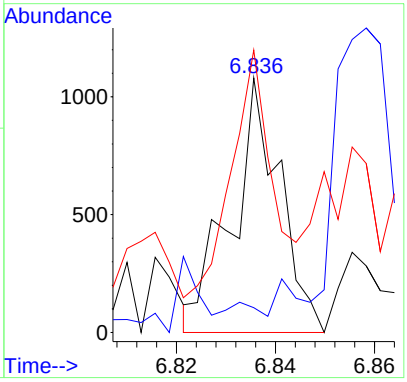


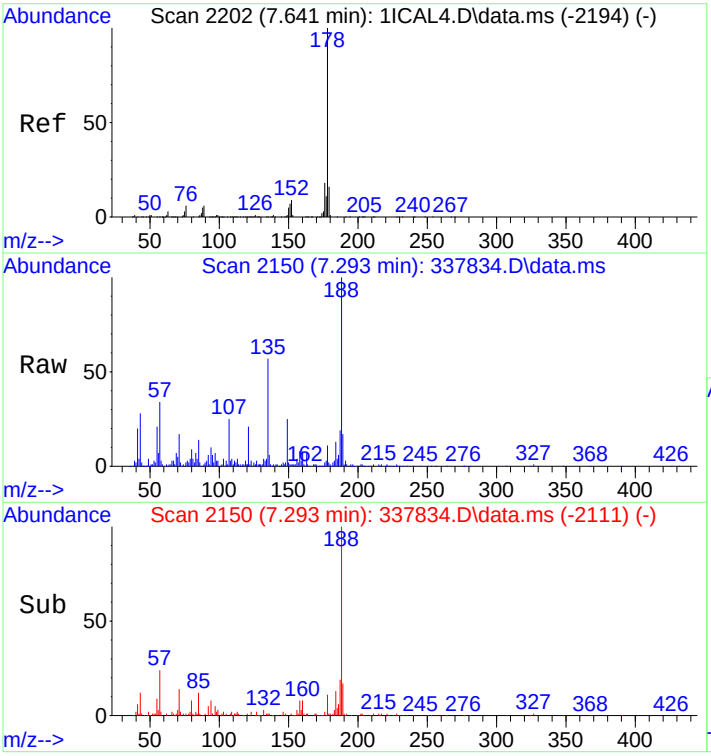


#66
Azobenz&12Diphlhyd
Concen: Below ug/mL
RT: 6.836 min Scan# 1989
Delta R.T. 0.008 min
Lab File: 337834.D
Acq: 22 Aug 13 8:55 pm

Tgt Ion:182 Resp: 729

Ion	Ratio	Lower	Upper
182	100		
152	0.0	9.8	69.8#
77	109.1	337.4	397.4#

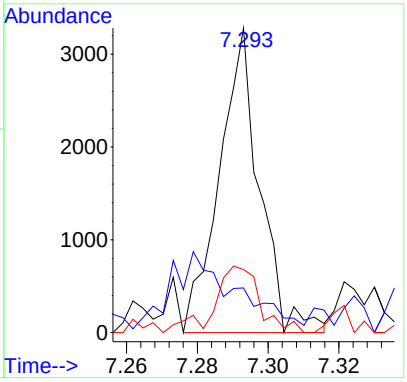


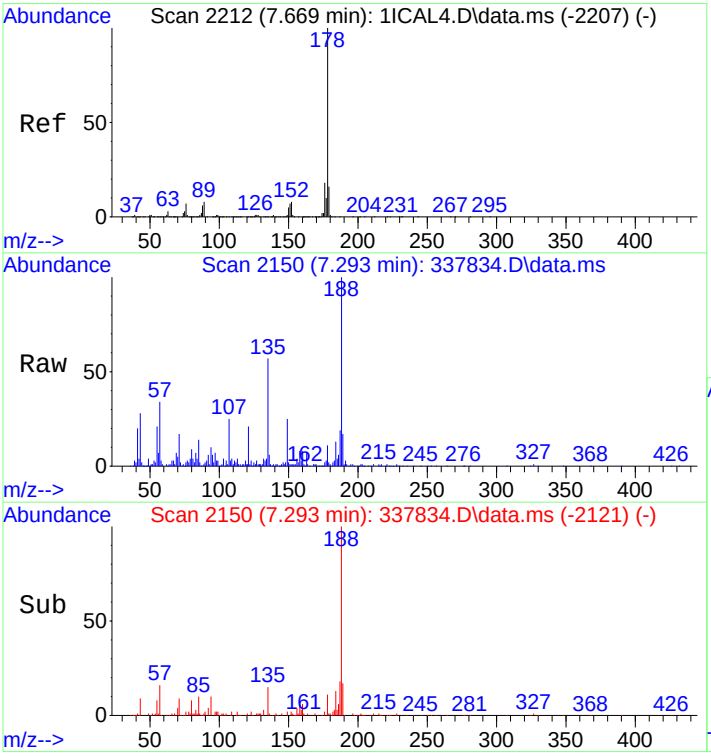


#70
Phenanthrene
Concen: 0.07 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.003 min
Lab File: 337834.D
Acq: 22 Aug 13 8:55 pm

Tgt Ion:178 Resp: 2590

Ion	Ratio	Lower	Upper
178	100		
179	7.3	0.0	45.5
176	18.4	0.0	49.4

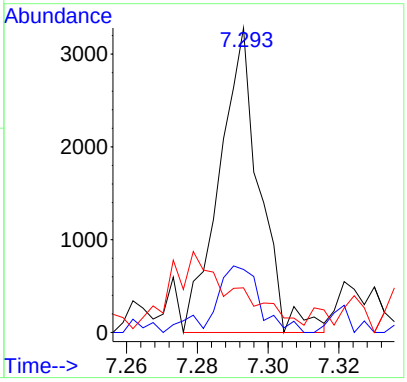


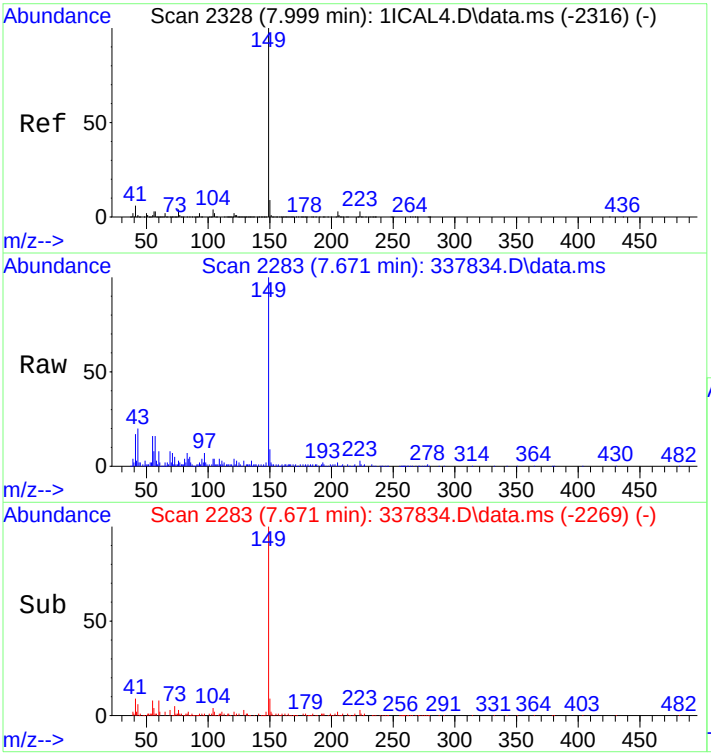


#71
Anthracene
Concen: 0.07 ug/mL
RT: 7.293 min Scan# 2150
Delta R.T. -0.031 min
Lab File: 337834.D
Acq: 22 Aug 13 8:55 pm

Tgt Ion:178 Resp: 2590

Ion	Ratio	Lower	Upper
178	100		
176	18.4	0.0	49.2
179	7.3	0.0	45.7

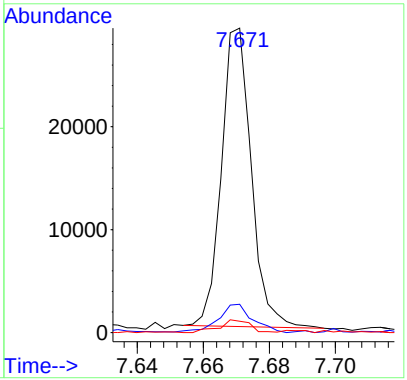


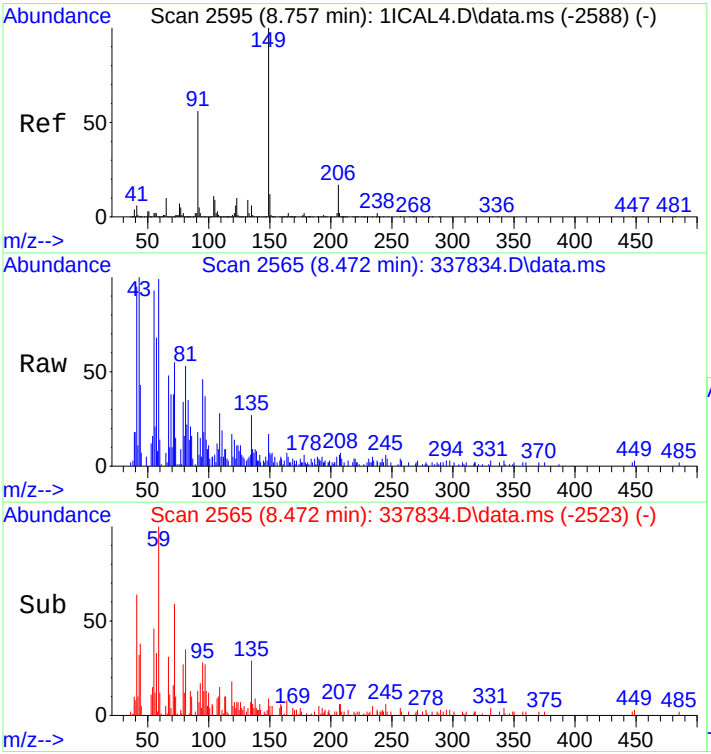


#73
Dinbtylphthal
Concen: 0.37 ug/mL
RT: 7.671 min Scan# 2283
Delta R.T. -0.000 min
Lab File: 337834.D
Acq: 22 Aug 13 8:55 pm

Tgt Ion:149 Resp: 18192

Ion	Ratio	Lower	Upper
149	100		
150	9.2	0.0	39.4
104	3.8	0.0	33.5

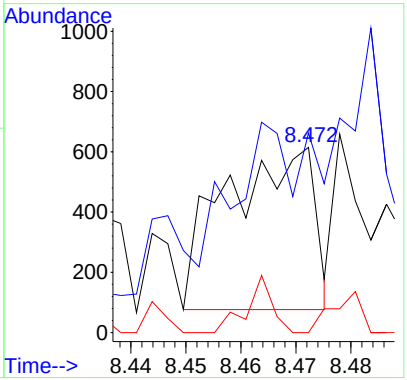


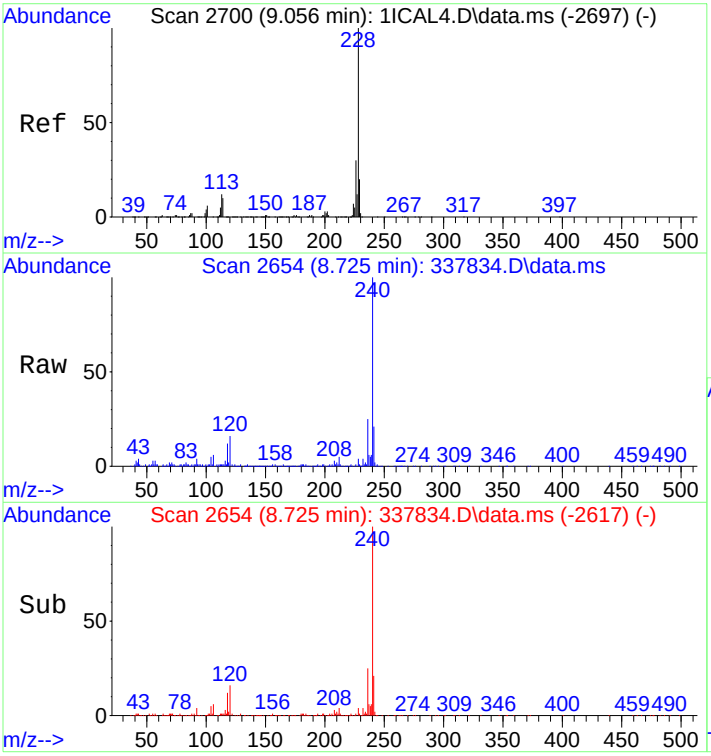


#79
Btylbzylphth
Concen: 0.05 ug/mL
RT: 8.472 min Scan# 2565
Delta R.T. 0.006 min
Lab File: 337834.D
Acq: 22 Aug 13 8:55 pm

Tgt Ion:149 Resp: 600

Ion	Ratio	Lower	Upper
149	100		
91	72.2	26.8	86.8
206	0.0	0.0	42.4

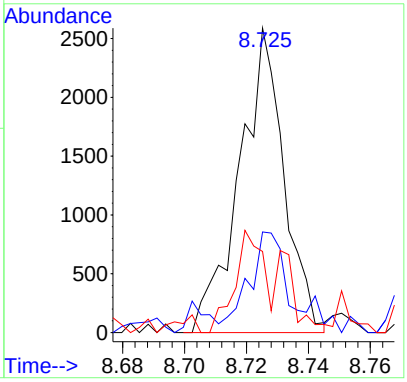


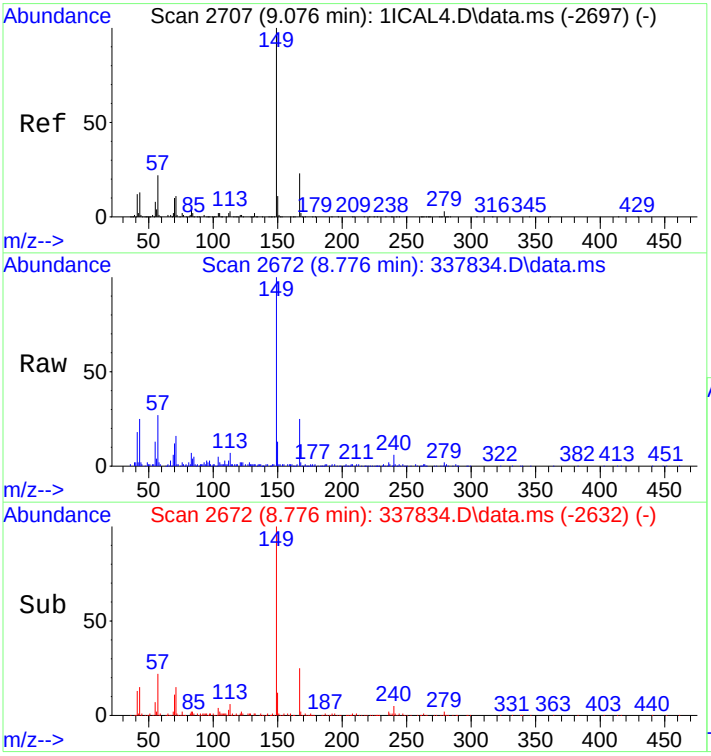


#83
Chrysene
Concen: 0.15 ug/mL
RT: 8.725 min Scan# 2654
Delta R.T. -0.009 min
Lab File: 337834.D
Acq: 22 Aug 13 8:55 pm

Tgt Ion:228 Resp: 2585

Ion	Ratio	Lower	Upper
228	100		
226	31.4	0.2	60.2
229	23.9	0.0	50.3

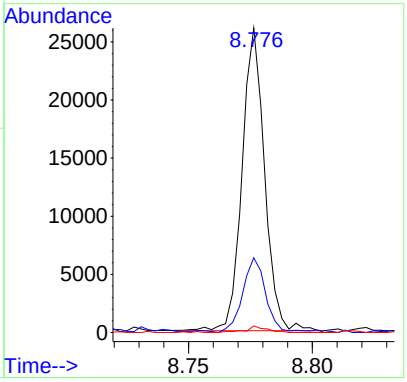




#84
bis2Ethlhxlph
Concen: 1.07 ug/mL
RT: 8.776 min Scan# 2672
Delta R.T. -0.000 min
Lab File: 337834.D
Acq: 22 Aug 13 8:55 pm

Tgt Ion:149 Resp: 16453

Ion	Ratio	Lower	Upper
149	100		
167	24.7	0.0	55.0
279	2.2	0.0	31.6



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337811.D Vial: 7
Acq On : 22 Aug 2013 14:27 Operator: RPN
Sample : 96978,337811, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 15:45:15 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Fri Aug 23 15:45:11 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

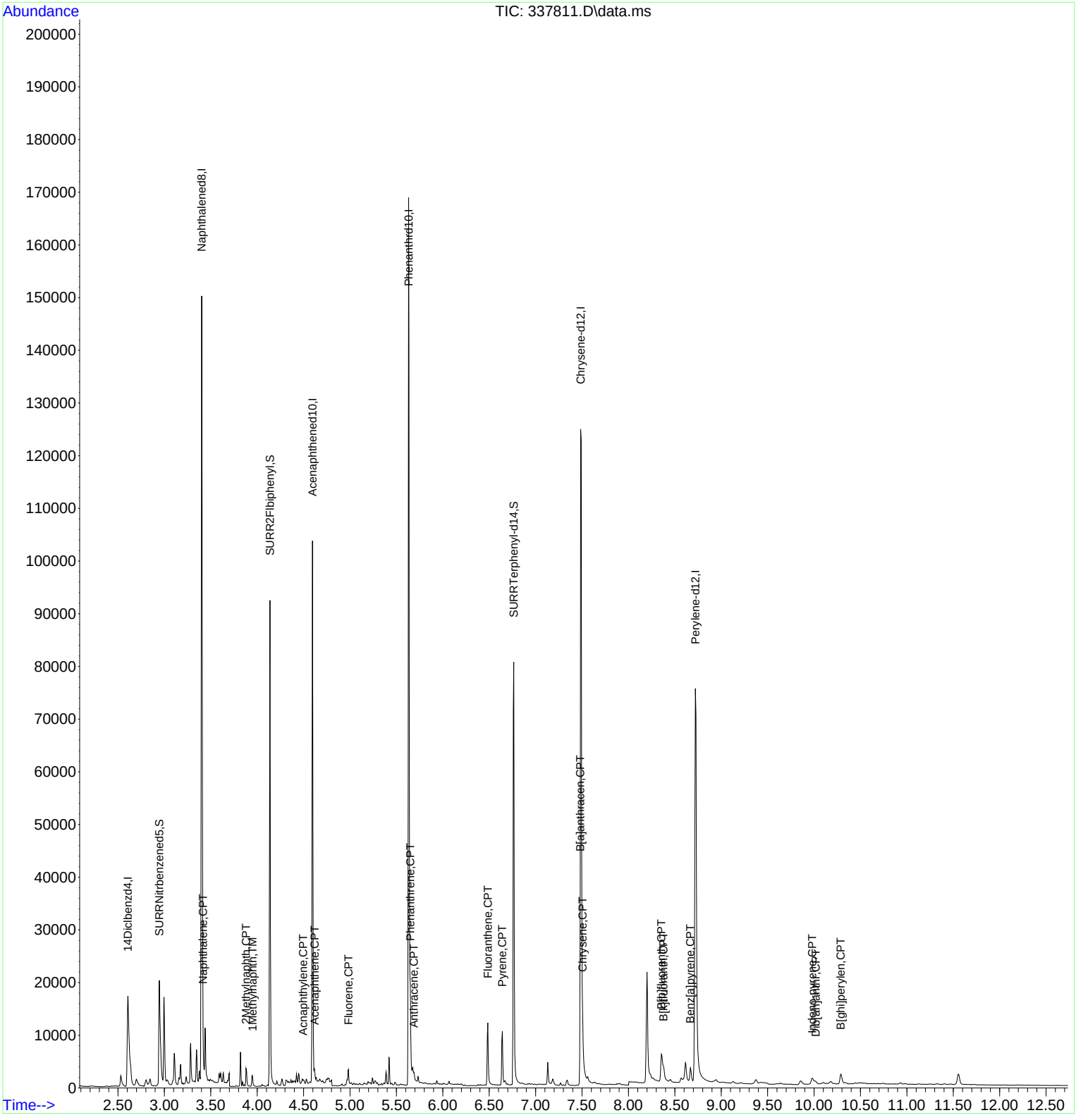
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.607	152	25493	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	104620	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	62235	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	118418	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	113874	1000.00	ng/mL	0.00
21) Perylene-d12	8.722	264	98966	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.946	82	23630	80.93	%REC	0.00
Spiked Amount 100.000			Recovery = 80.93%			
8) SURR2Flbiphenyl	4.138	172	60822	85.33	%REC	0.00
Spiked Amount 100.000			Recovery = 85.33%			
18) SURRTerphenyl-d14	6.765	244	66584	87.59	ng/mL	0.00
Spiked Amount 100.000			Recovery = 87.59%			
Target Compounds						Qvalue
4) Naphthalene	3.417	128	2331	25.2857	ng/mL	56
5) 2Methylnaphth	3.880	142	1657	30.5719	ng/mL	85
6) 1Methylnaphth	3.950	142	1018	14.4981	ng/mL	98
9) Acnaphthylene	4.496	152	359	4.4625	ng/mL	81
10) Acenaphthene	4.619	154	739	12.2076	ng/mL#	68
11) Fluorene	4.983	166	1894	28.4884	ng/mL	86
13) Phenanthrene	5.650	178	8992	89.1614	ng/mL	98
14) Anthracene	5.690	178	1279	10.8979	ng/mL	89
15) Fluoranthene	6.485	202	9659	72.3468	ng/mL	100
17) Pyrene	6.641	202	8336	57.3159	ng/mL	99
19) B[a]anthracen	7.480	228	4107	45.7797	ng/mL	98
20) Chrysene	7.507	228	5504	39.7354	ng/mL	97
22) B[b]fluoranth	8.356	252	6182	65.6719	ng/mL	96
23) B[k]fluoranth	8.377	252	2330	17.1648	ng/mL	35
24) Benz[a]pyrene	8.668	252	2586	25.5849	ng/mL	91
25) Indeno-pyrene	9.981	276	2268	31.0276	ng/mL	100
26) Dib[ah]anthr	10.018	278	552	10.5328	ng/mL	88
27) B[ghi]perylen	10.287	276	3189	44.2225	ng/mL	97

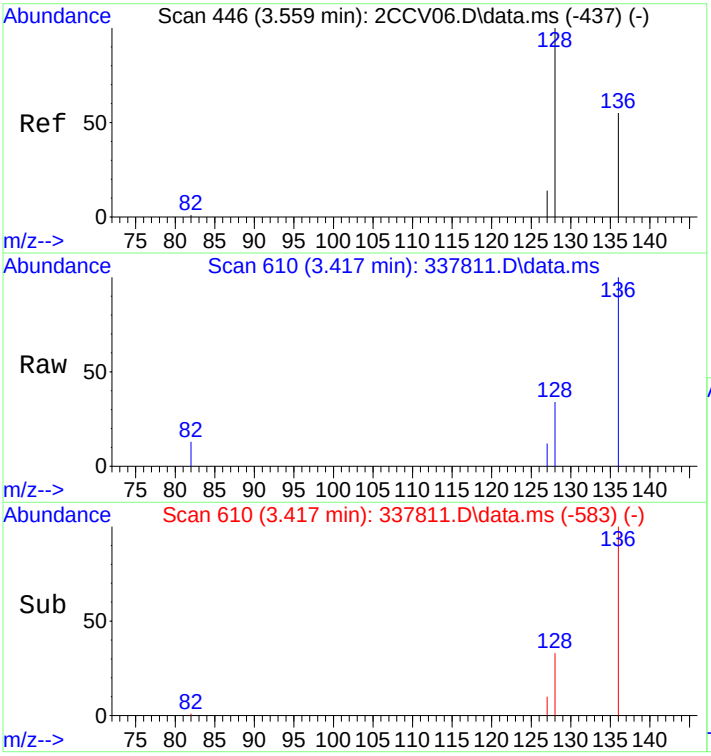
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337811.D Vial: 7
Acq On : 22 Aug 2013 14:27 Operator: RPN
Sample : 96978,337811, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 15:45:15 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Fri Aug 23 15:45:11 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

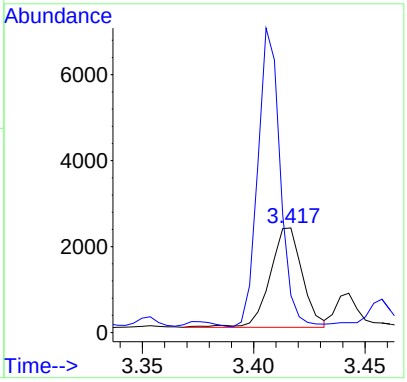


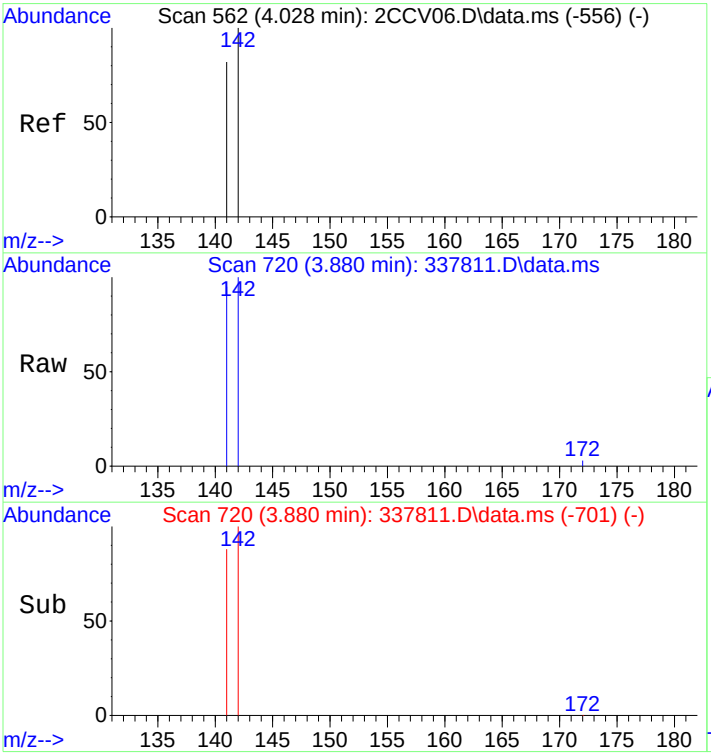


#4
Naphthalene
Concen: 25.29 ng/mL
RT: 3.417 min Scan# 610
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:128 Resp: 2331

Ion	Ratio	Lower	Upper
128	100		
127	29.7	0.0	42.4

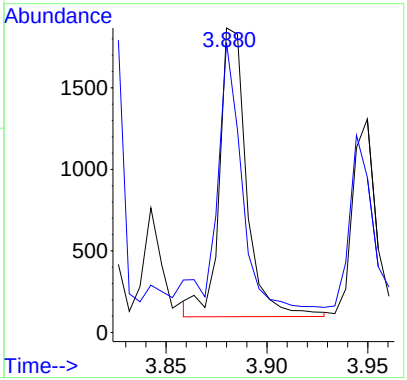


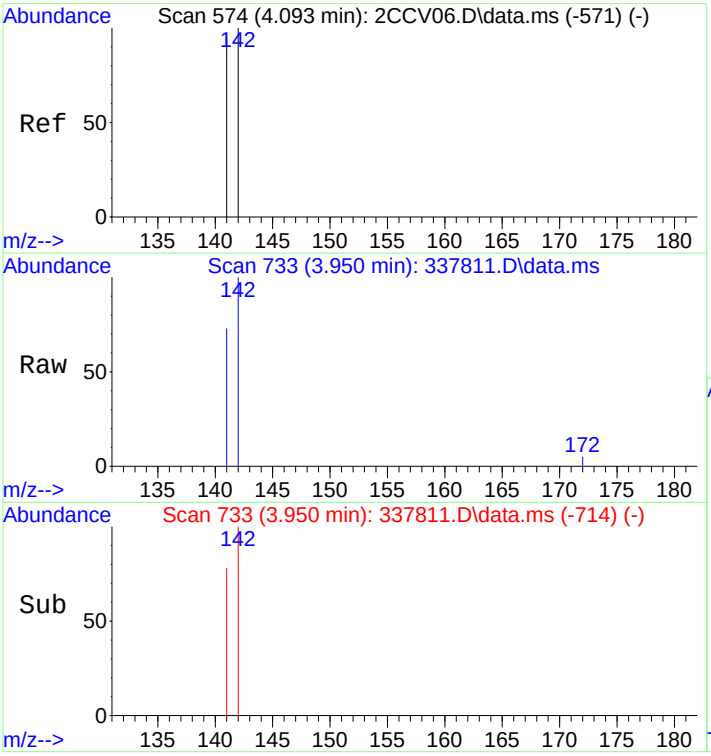


#5
2Methylnaphth
Concen: 30.57 ng/mL
RT: 3.880 min Scan# 720
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:142 Resp: 1657

Ion	Ratio	Lower	Upper
142	100		
141	68.2	51.8	111.8

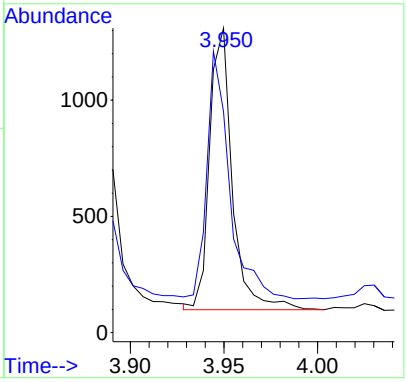


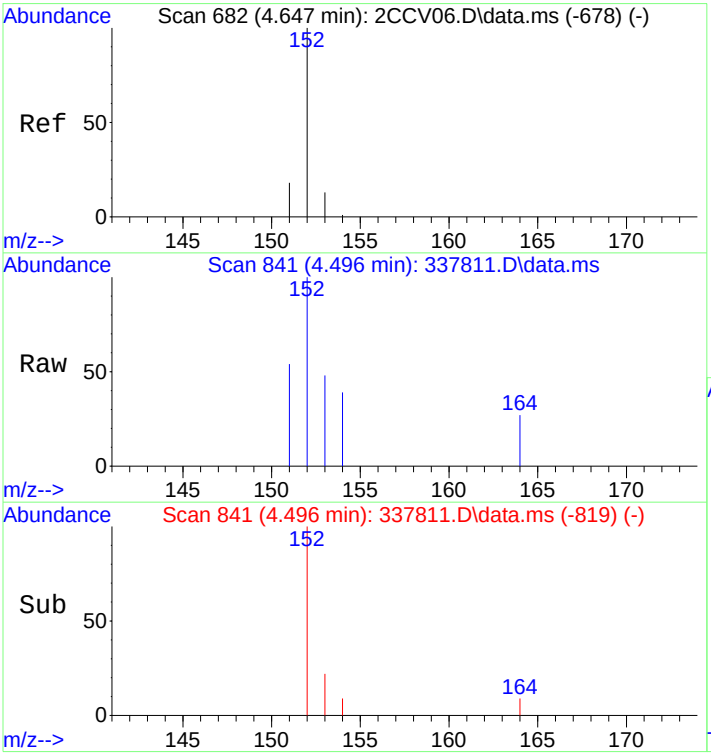


#6
1Methylnaphth
Concen: 14.50 ng/mL
RT: 3.950 min Scan# 733
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:142 Resp: 1018

Ion	Ratio	Lower	Upper
142	100		
141	86.1	54.2	114.2

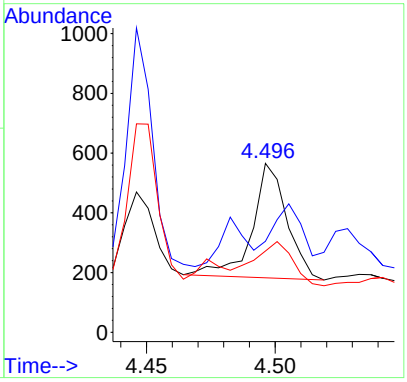


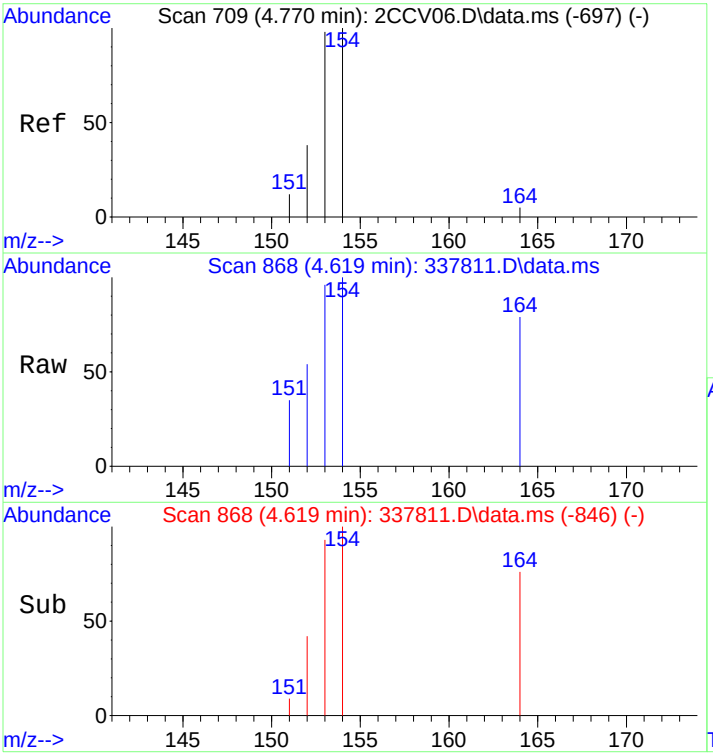


#9
Acnaphthylene
Concen: 4.46 ng/mL
RT: 4.496 min Scan# 841
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:152 Resp: 359

Ion	Ratio	Lower	Upper
152	100		
151	19.7	0.0	47.7
153	29.7	0.0	44.6

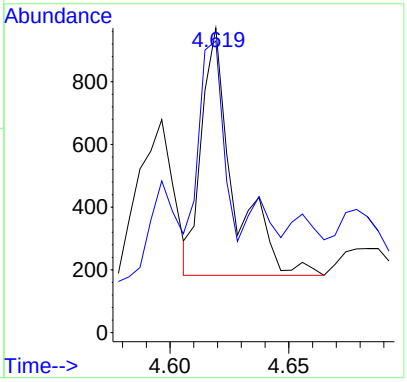


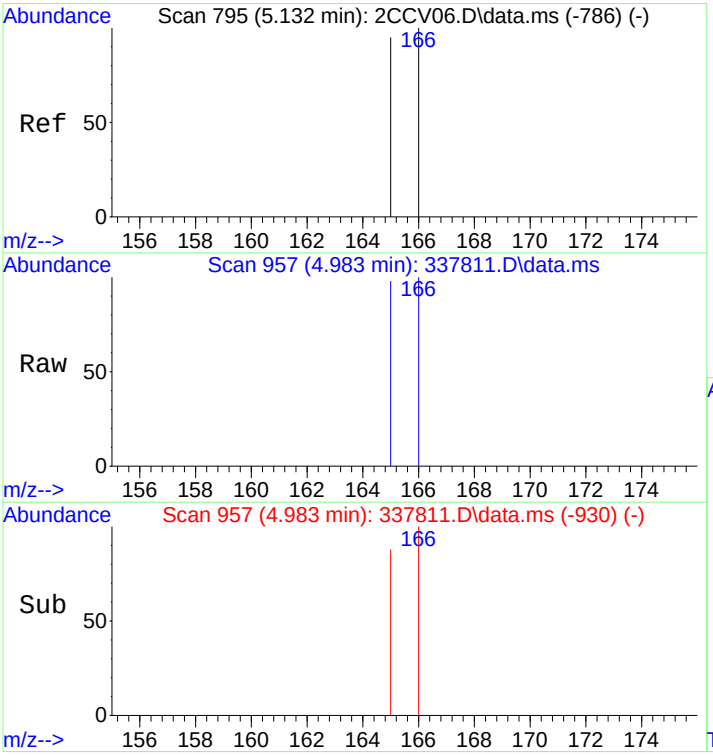


#10
Acenaphthene
Concen: 12.21 ng/mL
RT: 4.619 min Scan# 868
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:154 Resp: 739

Ion	Ratio	Lower	Upper
154	100		
153	80.5	84.6	144.6#

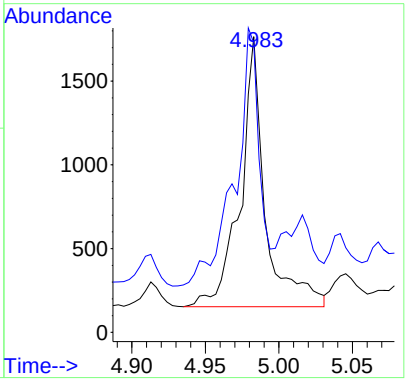


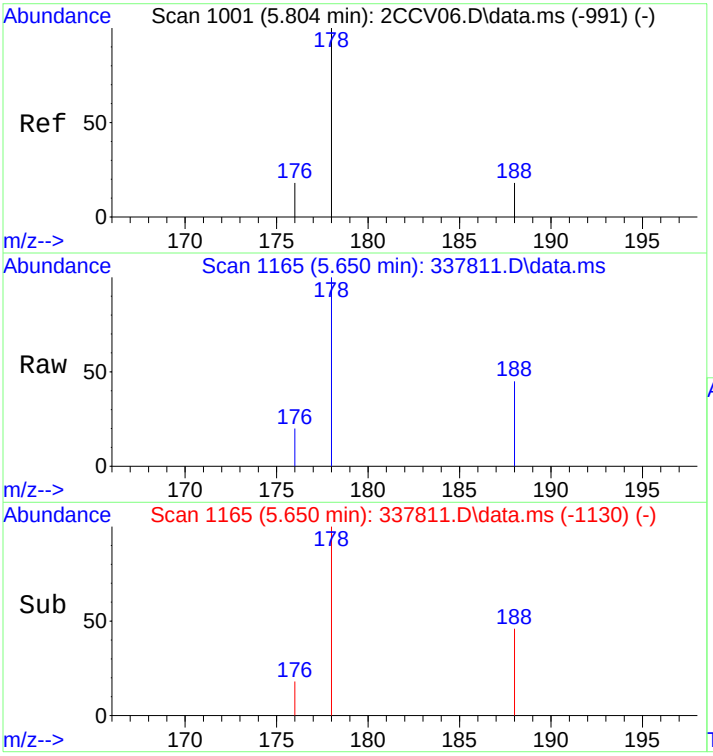


#11
Fluorene
Concen: 28.49 ng/mL
RT: 4.983 min Scan# 957
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:166 Resp: 1894

Ion	Ratio	Lower	Upper
166	100		
165	89.6	47.7	107.7

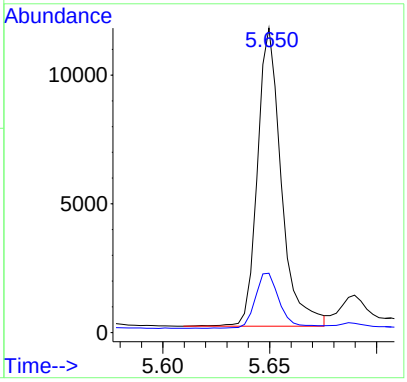


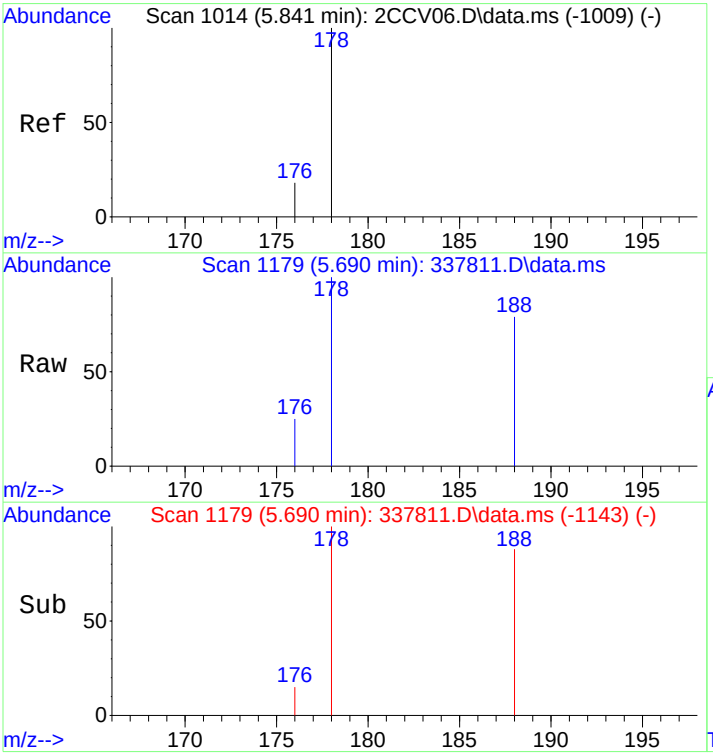


#13
Phenanthrene
Concen: 89.16 ng/mL
RT: 5.650 min Scan# 1165
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:178 Resp: 8992

Ion	Ratio	Lower	Upper
178	100		
176	18.5	0.0	49.2

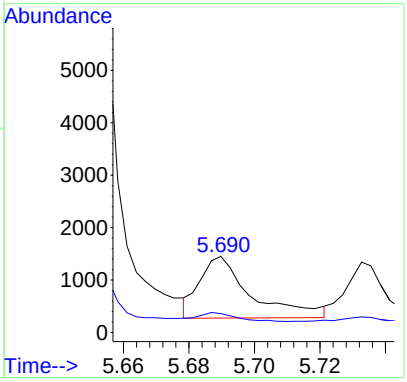


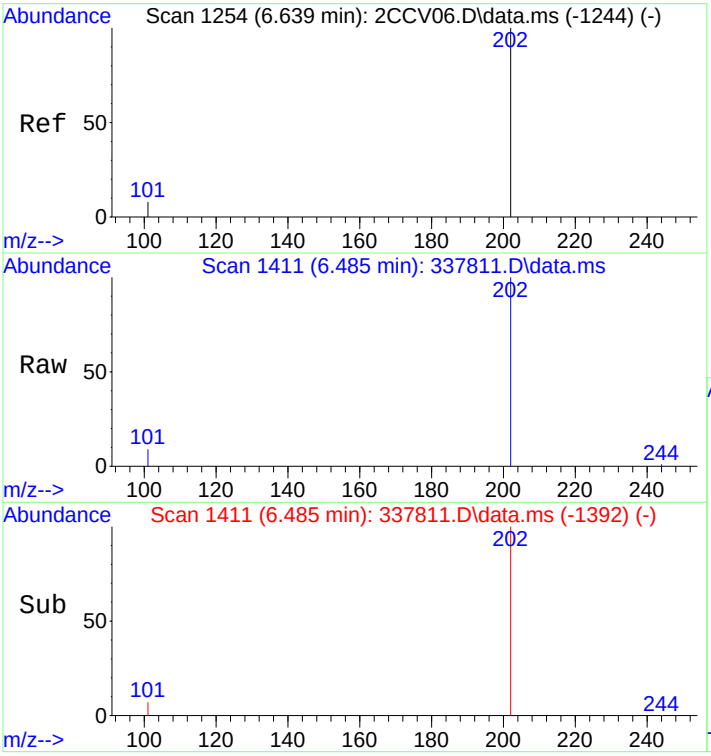


#14
Anthracene
Concen: 10.90 ng/mL
RT: 5.690 min Scan# 1179
Delta R.T. 0.003 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:178 Resp: 1279

Ion	Ratio	Lower	Upper
178	100		
176	13.1	0.0	47.9

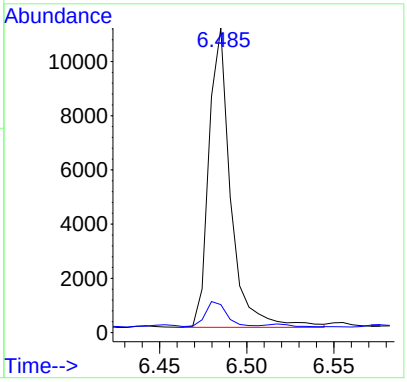


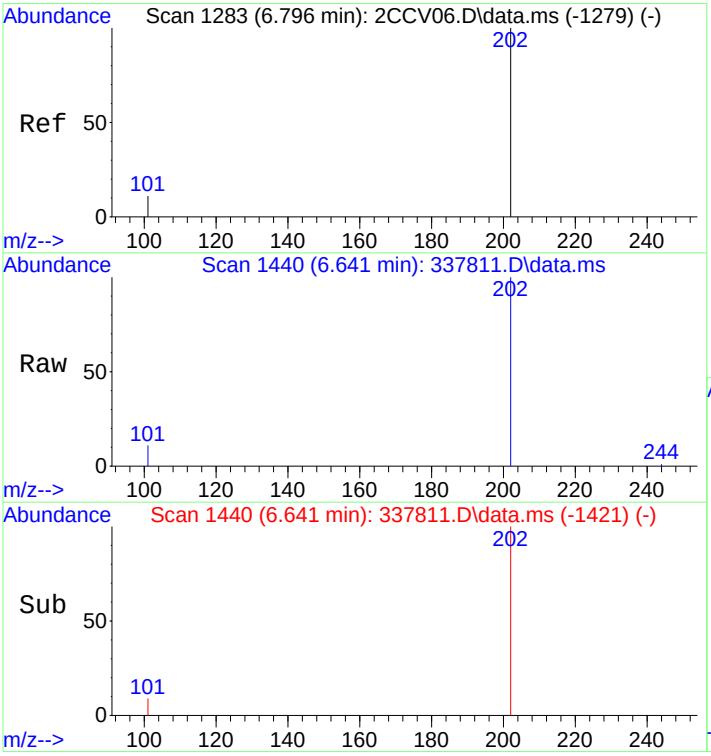


#15
Fluoranthene
Concen: 72.35 ng/mL
RT: 6.485 min Scan# 1411
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:202 Resp: 9659

Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	37.5

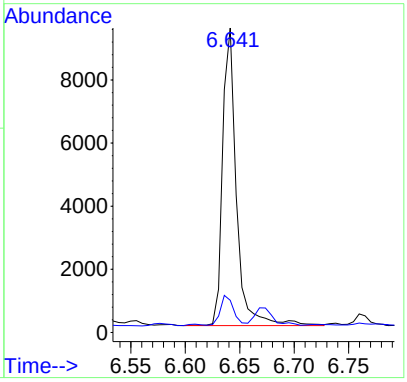


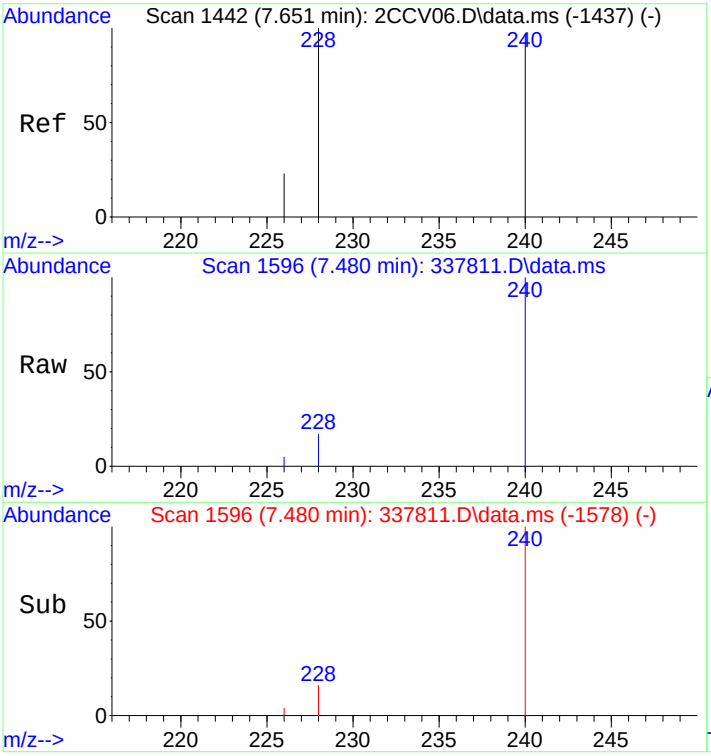


#17
Pyrene
Concen: 57.32 ng/mL
RT: 6.641 min Scan# 1440
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:202 Resp: 8336

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	38.8

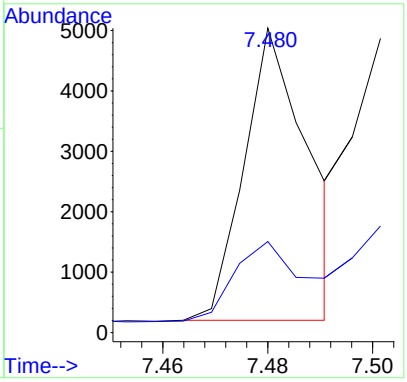


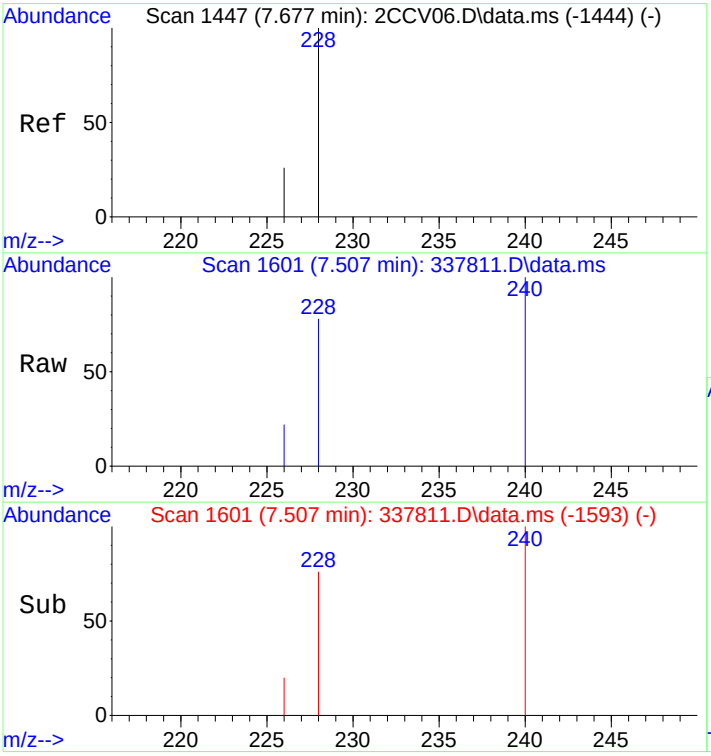


#19
B[a]anthracen
Concen: 45.78 ng/mL
RT: 7.480 min Scan# 1596
Delta R.T. -0.005 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:228 Resp: 4107

Ion	Ratio	Lower	Upper
228	100		
226	27.2	0.0	58.4

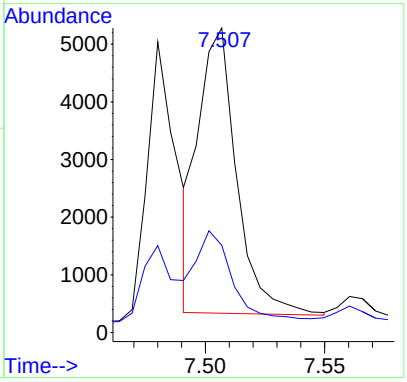


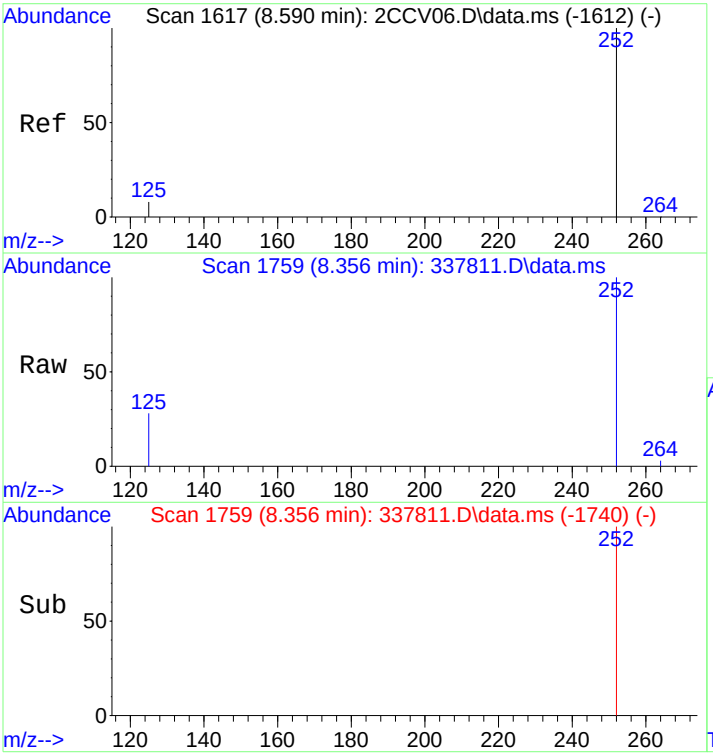


#20
Chrysene
Concen: 39.74 ng/mL
RT: 7.507 min Scan# 1601
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:228 Resp: 5504

Ion	Ratio	Lower	Upper
228	100		
226	25.5	0.0	57.2

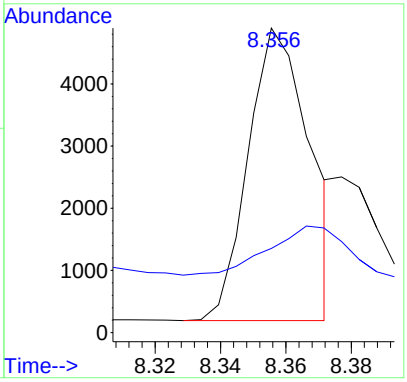


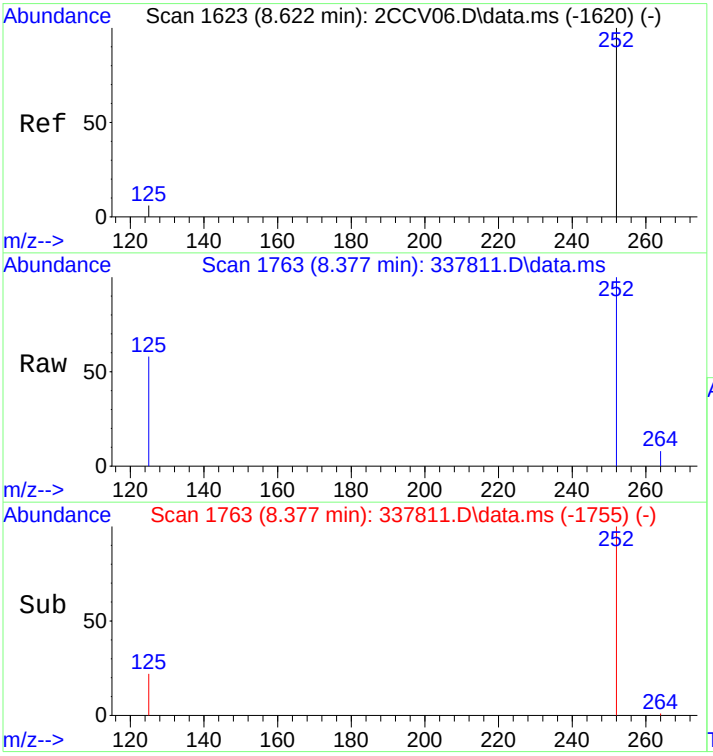


#22
B[b]fluoranth
Concen: 65.67 ng/mL
RT: 8.356 min Scan# 1759
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:252 Resp: 6182

Ion	Ratio	Lower	Upper
252	100		
125	9.1	0.0	37.8

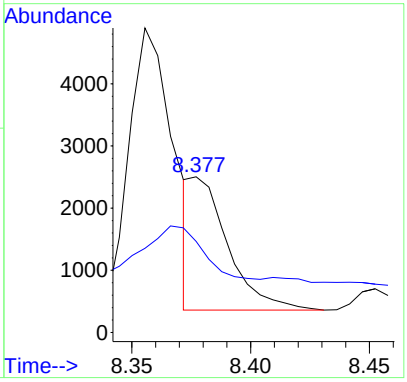


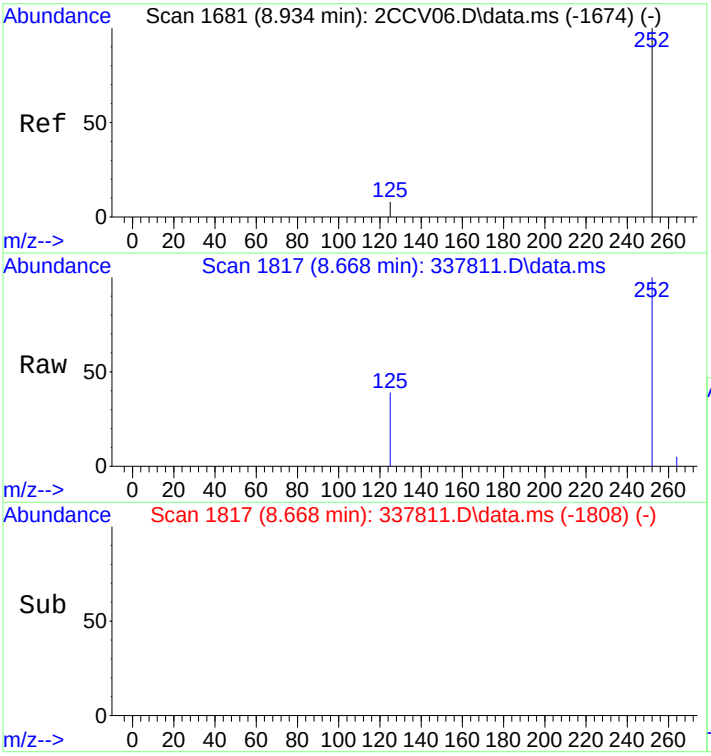


#23
B[k]fluoranth
Concen: 17.16 ng/mL
RT: 8.377 min Scan# 1763
Delta R.T. -0.005 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:252 Resp: 2330

Ion	Ratio	Lower	Upper
252	100		
125	30.5	0.0	37.7

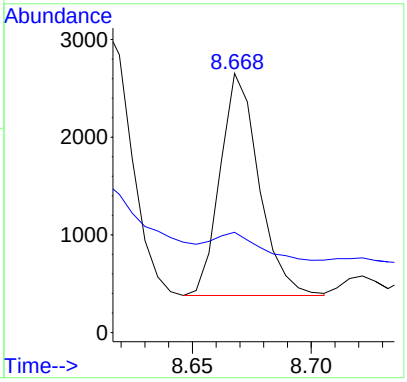


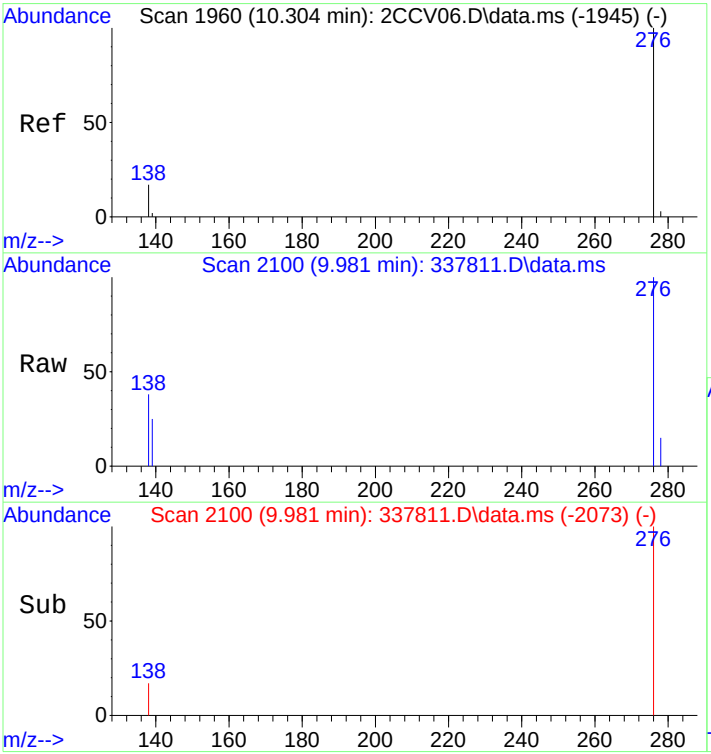


#24
Benz[a]pyrene
Concen: 25.58 ng/mL
RT: 8.668 min Scan# 1817
Delta R.T. 0.001 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:252 Resp: 2586

Ion	Ratio	Lower	Upper
252	100		
125	12.5	0.0	39.1

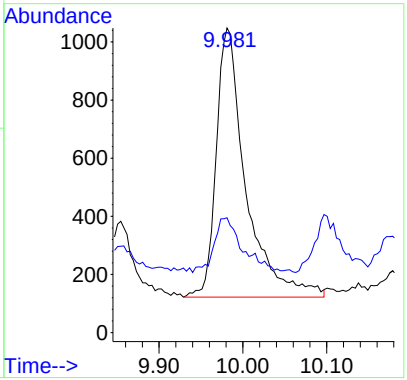


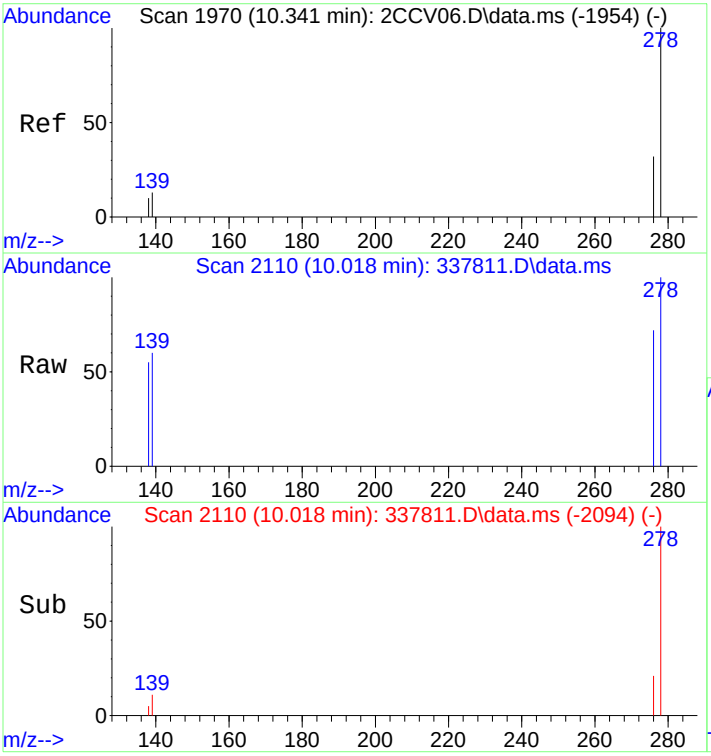


#25
Indeno-pyrene
Concen: 31.03 ng/mL
RT: 9.981 min Scan# 2100
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:276 Resp: 2268

Ion	Ratio	Lower	Upper
276	100		
138	18.7	0.0	48.6

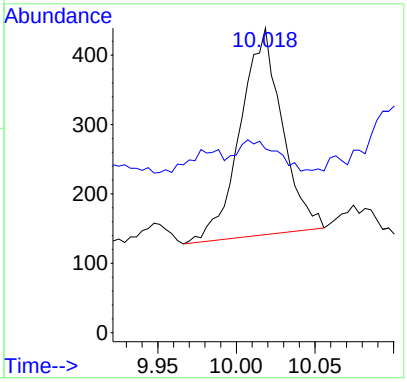


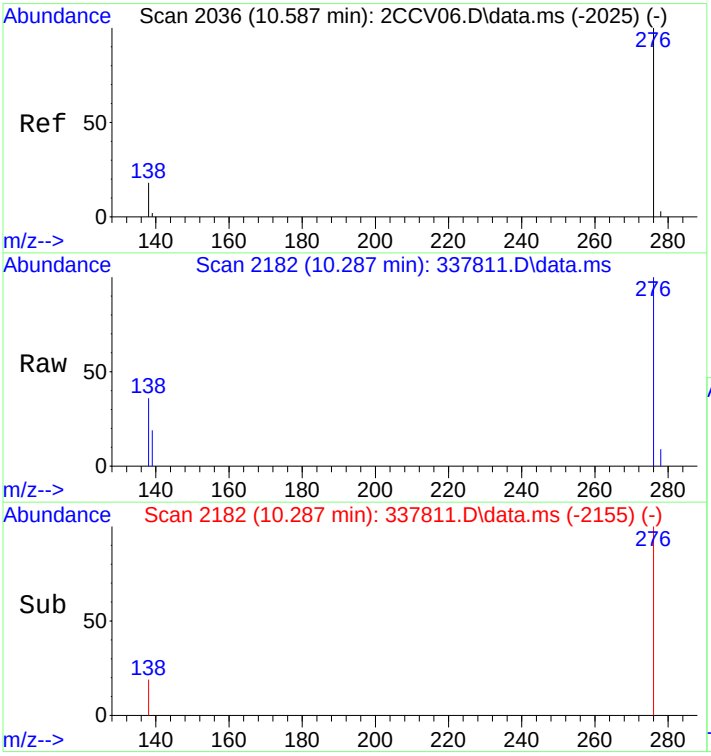


#26
Dib[ah]anthr
Concen: 10.53 ng/mL
RT: 10.018 min Scan# 2110
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:278 Resp: 552

Ion	Ratio	Lower	Upper
278	100		
139	10.3	0.0	45.4

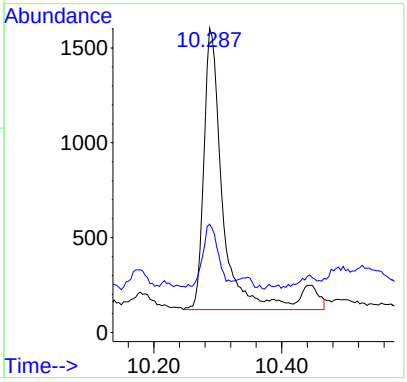




#27
B[ghi]perylen
Concen: 44.22 ng/mL
RT: 10.287 min Scan# 2182
Delta R.T. 0.000 min
Lab File: 337811.D
Acq: 22 Aug 13 2:27 pm

Tgt Ion:276 Resp: 3189

Ion	Ratio	Lower	Upper
276	100		
138	22.1	0.0	50.7



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337812.D Vial: 8
Acq On : 22 Aug 2013 14:47 Operator: RPN
Sample : 96978,337812, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 15:48:55 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Fri Aug 23 15:47:39 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M MI

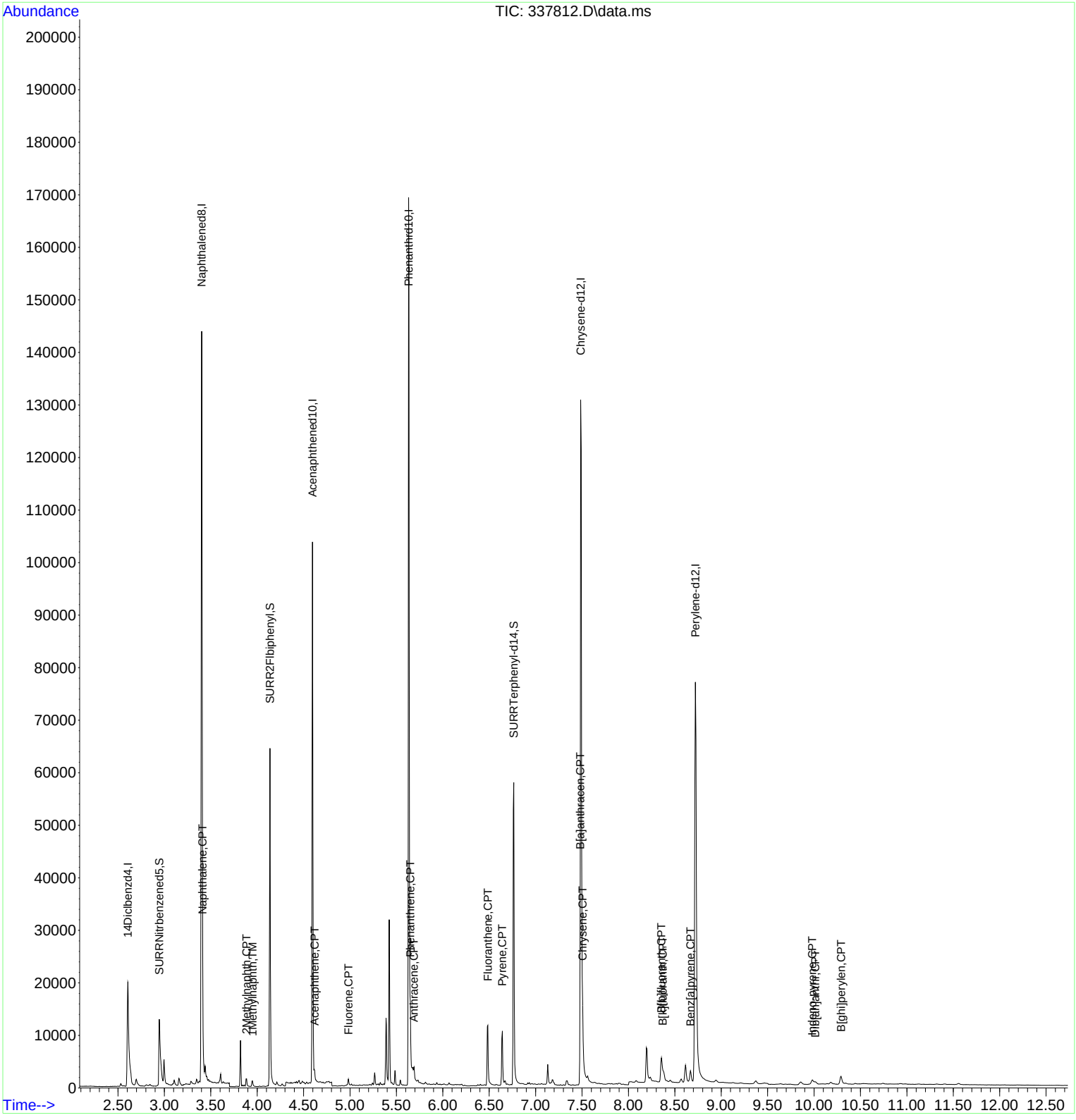
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.605	152	25317	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	103955	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	62283	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	117716	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	113560	1000.00	ng/mL	0.00
21) Perylene-d12	8.722	264	101113	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.946	82	15348	52.90	%REC	0.00
Spiked Amount 100.000			Recovery = 52.90%			
8) SURR2Flbiphenyl	4.138	172	44076	61.79	%REC	0.00
Spiked Amount 100.000			Recovery = 61.79%			
18) SURRTerphenyl-d14	6.765	244	47591	62.78	ng/mL	0.00
Spiked Amount 100.000			Recovery = 62.78%			
Target Compounds						Qvalue
4) Naphthalene	3.413	128	1682	18.3623	ng/mL#	1
5) 2Methylnaphth	3.885	142	810	15.0402	ng/mL	83
6) 1Methylnaphth	3.950	142	549	7.8687	ng/mL	94
10) Acenaphthene	4.619	154	714	11.7855	ng/mL	82
11) Fluorene	4.983	166	777	11.6782	ng/mL	82
13) Phenanthrene	5.650	178	7182	71.6388	ng/mL	97
14) Anthracene	5.690	178	2738	23.4686	ng/mL	90
15) Fluoranthene	6.485	202	9754	73.4940	ng/mL	97
17) Pyrene	6.641	202	8395	57.8812	ng/mL	98
19) B[a]anthracen	7.480	228	4597	51.3833	ng/mL	95
20) Chrysene	7.507	228	7564	54.7583	ng/mL	98
22) B[b]fluoranth	8.356	252	5583	58.0494	ng/mL	100
23) B[k]fluoranth	8.372	252	1726m	12.4452	ng/mL	
24) Benz[a]pyrene	8.668	252	2131	20.6356	ng/mL	98
25) Indeno-pyrene	9.981	276	1627	21.7857	ng/mL	100
26) Dib[ah]anthr	10.015	278	430	8.0307	ng/mL	97
27) B[ghi]perylen	10.291	276	2520	34.2034	ng/mL	98

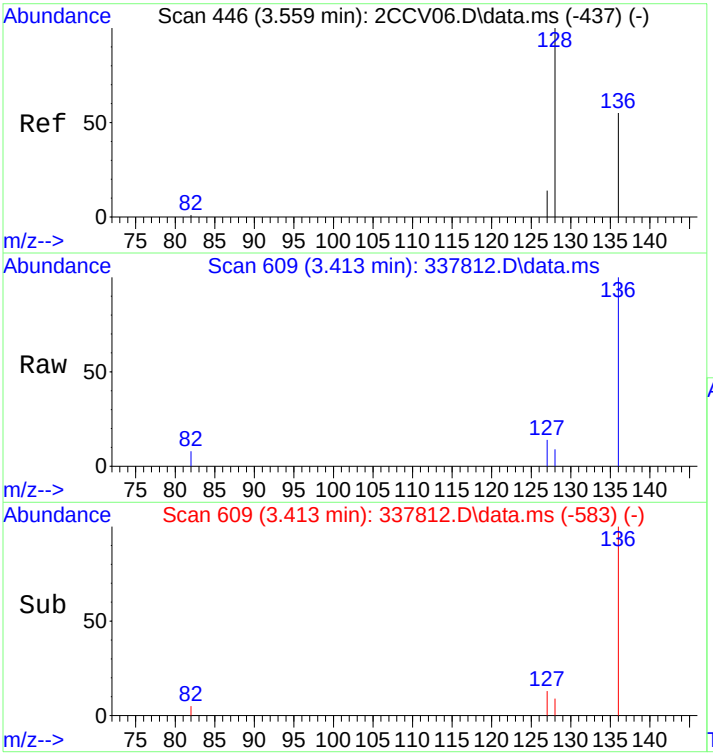
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337812.D Vial: 8
Acq On : 22 Aug 2013 14:47 Operator: RPN
Sample : 96978,337812, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 15:48:55 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Fri Aug 23 15:47:39 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

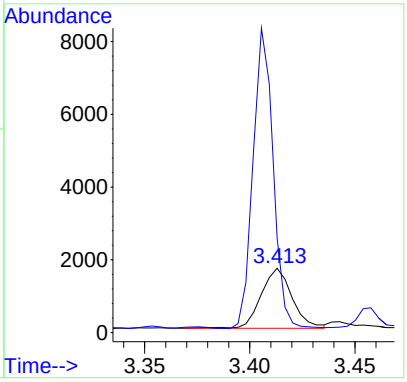


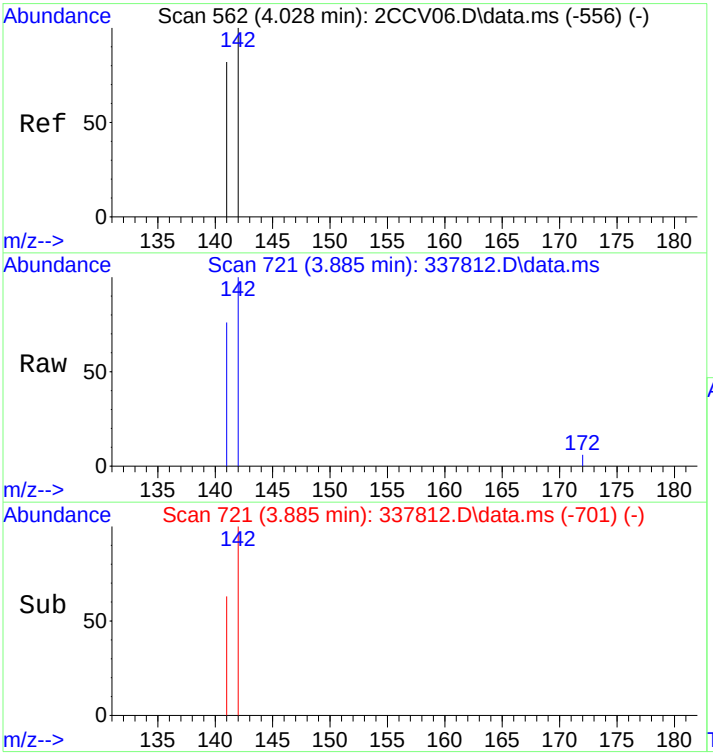


#4
Naphthalene
Concen: 18.36 ng/mL
RT: 3.413 min Scan# 609
Delta R.T. -0.004 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:128 Resp: 1682

Ion	Ratio	Lower	Upper
128	100		
127	149.4	0.0	42.4#

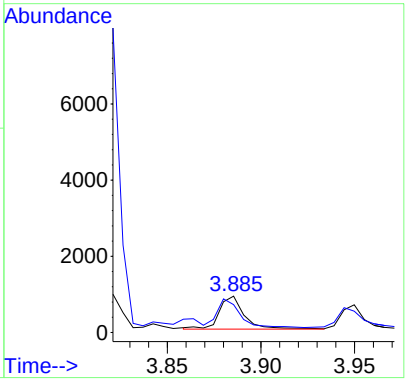


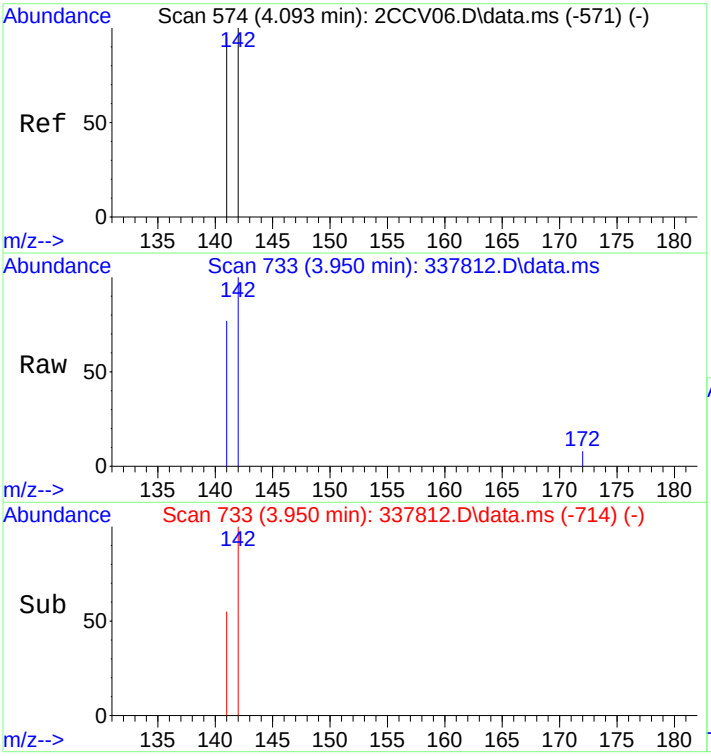


#5
2Methylnaphth
Concen: 15.04 ng/mL
RT: 3.885 min Scan# 721
Delta R.T. 0.005 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:142 Resp: 810

Ion	Ratio	Lower	Upper
142	100		
141	66.2	51.8	111.8

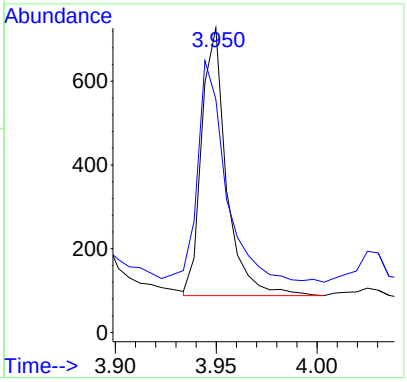


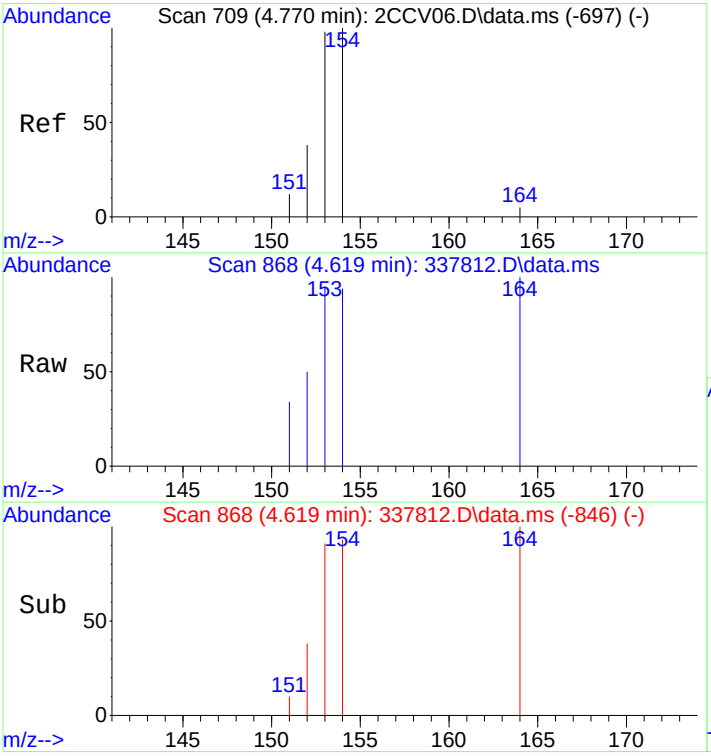


#6
1Methylnaphth
Concen: 7.87 ng/mL
RT: 3.950 min Scan# 733
Delta R.T. 0.000 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:142 Resp: 549

Ion	Ratio	Lower	Upper
142	100		
141	89.3	54.2	114.2

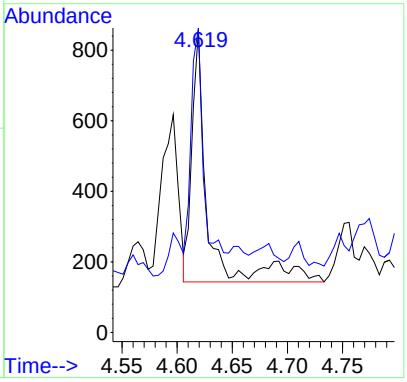


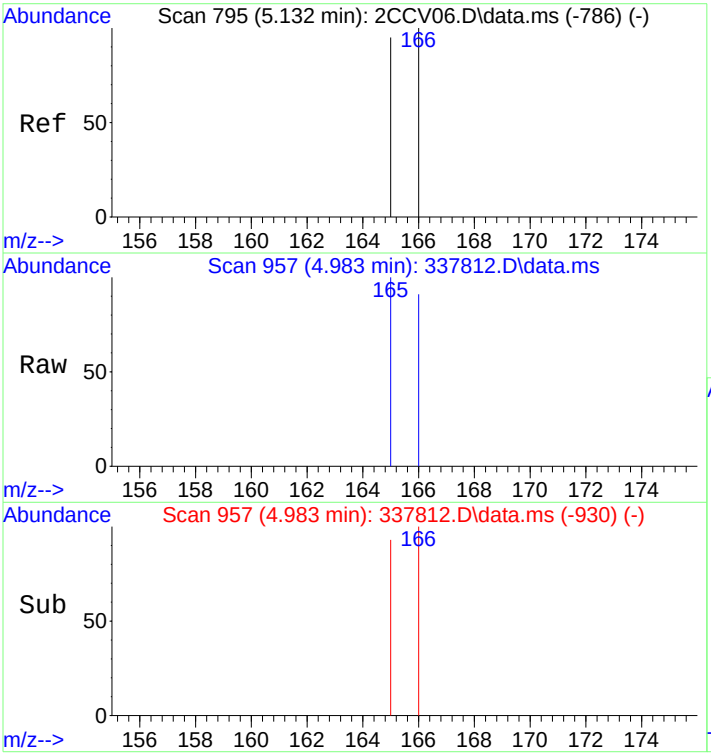


#10
Acenaphthene
Concen: 11.79 ng/mL
RT: 4.619 min Scan# 868
Delta R.T. 0.000 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:154 Resp: 714

Ion	Ratio	Lower	Upper
154	100		
153	94.7	84.6	144.6

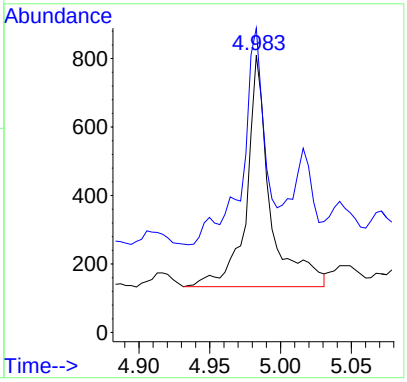


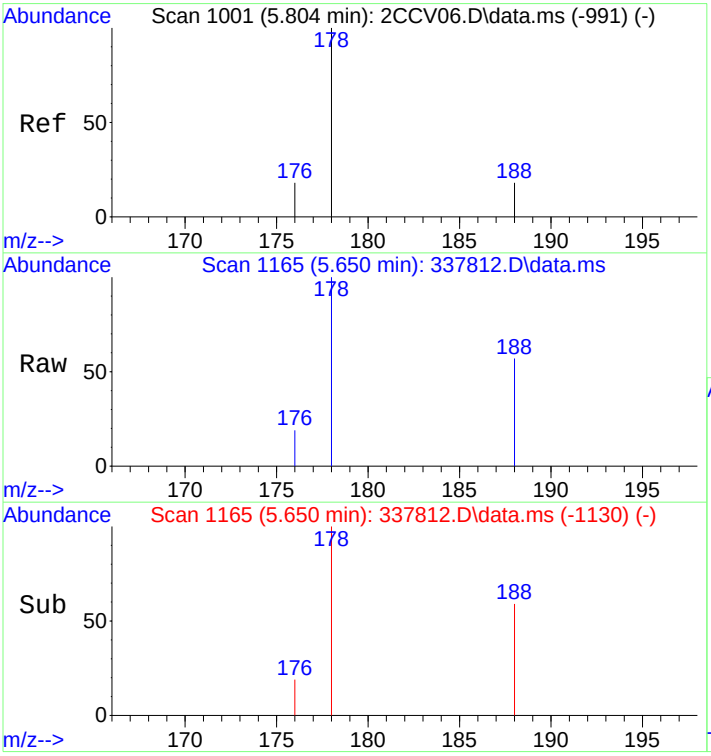


#11
Fluorene
Concen: 11.68 ng/mL
RT: 4.983 min Scan# 957
Delta R.T. 0.000 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:166 Resp: 777

Ion	Ratio	Lower	Upper
166	100		
165	93.3	47.7	107.7

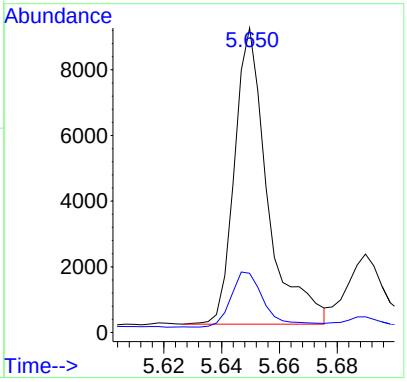


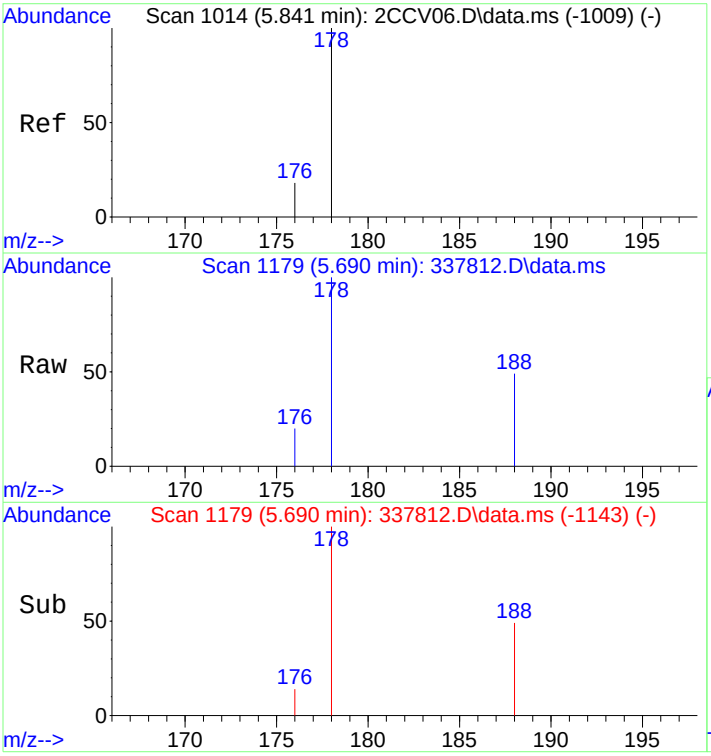


#13
Phenanthrene
Concen: 71.64 ng/mL
RT: 5.650 min Scan# 1165
Delta R.T. 0.000 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:178 Resp: 7182

Ion	Ratio	Lower	Upper
178	100		
176	18.1	0.0	49.2

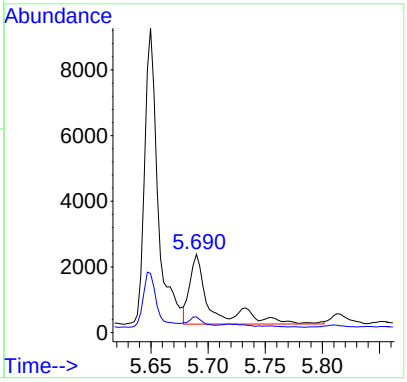


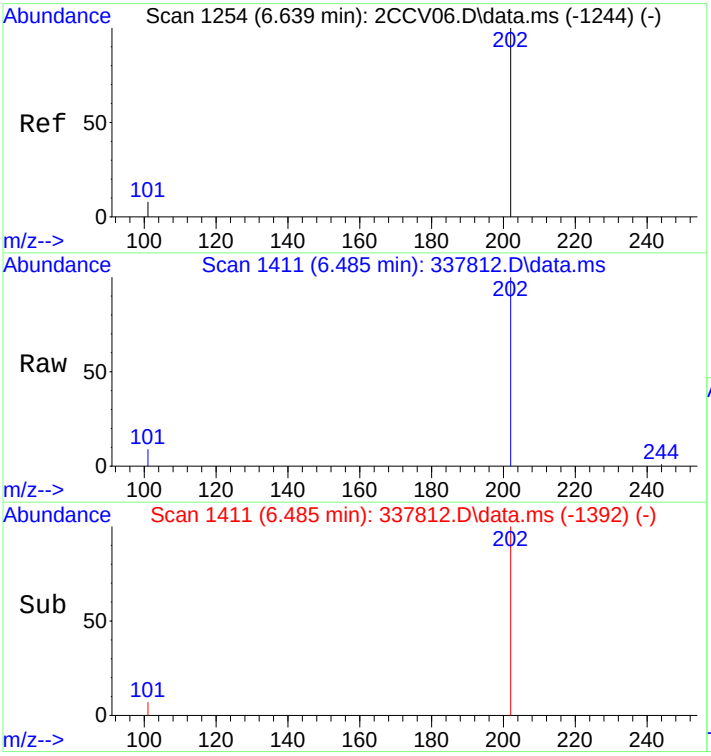


#14
Anthracene
Concen: 23.47 ng/mL
RT: 5.690 min Scan# 1179
Delta R.T. 0.003 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:178 Resp: 2738

Ion	Ratio	Lower	Upper
178	100		
176	13.3	0.0	47.9

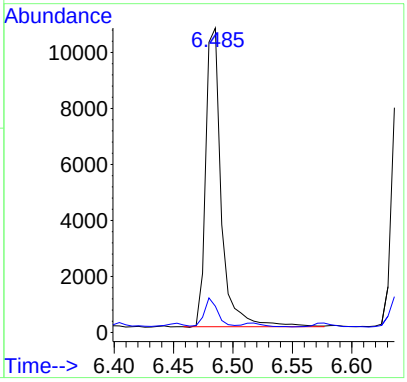


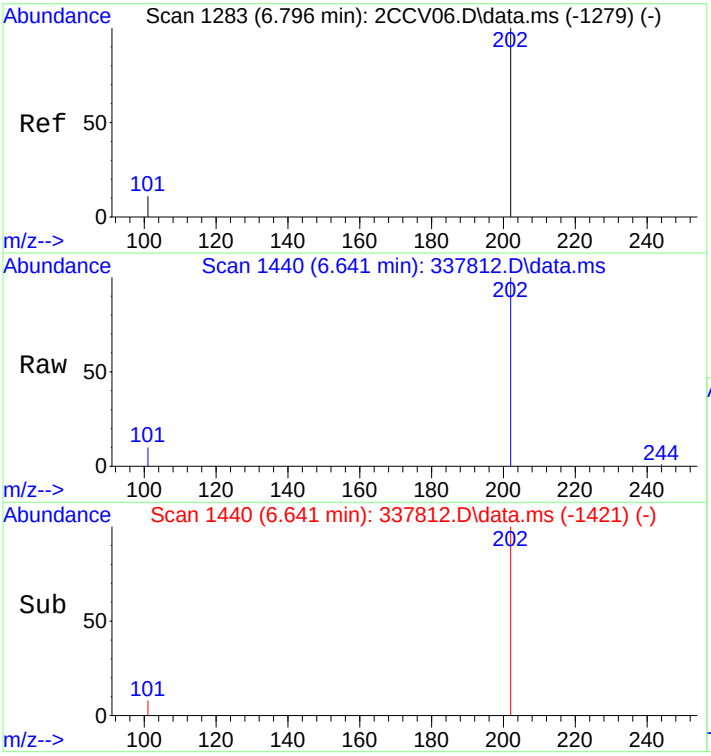


#15
Fluoranthene
Concen: 73.49 ng/mL
RT: 6.485 min Scan# 1411
Delta R.T. 0.000 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:202 Resp: 9754

Ion	Ratio	Lower	Upper
202	100		
101	6.3	0.0	37.5

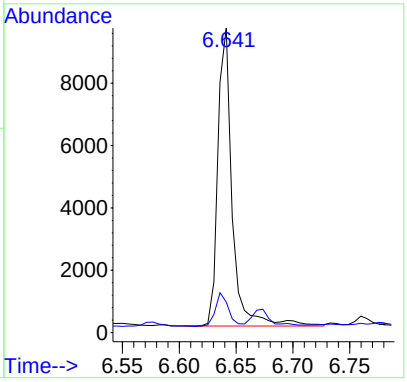


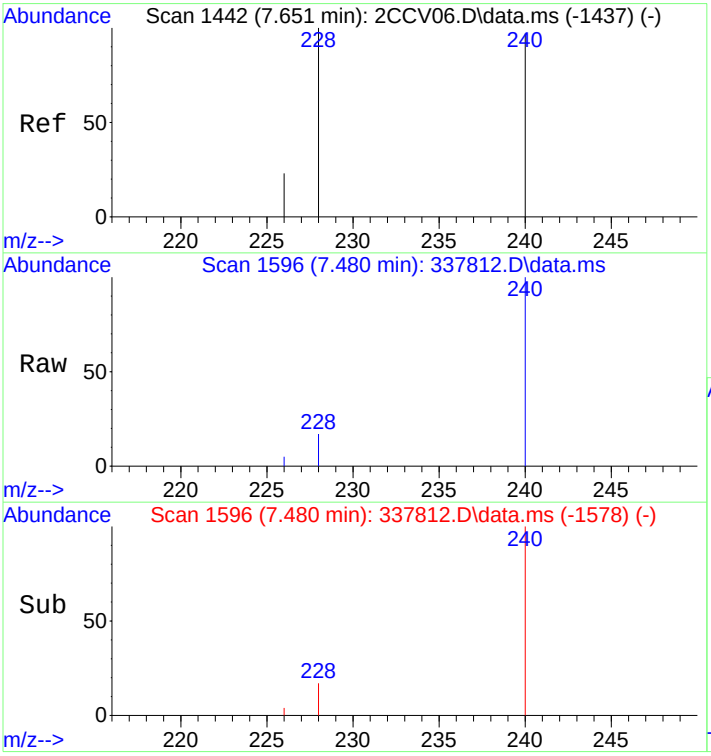


#17
Pyrene
Concen: 57.88 ng/mL
RT: 6.641 min Scan# 1440
Delta R.T. 0.000 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:202 Resp: 8395

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	38.8

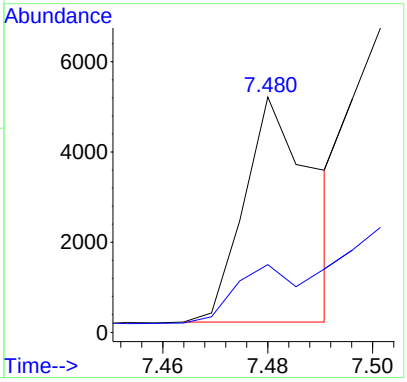


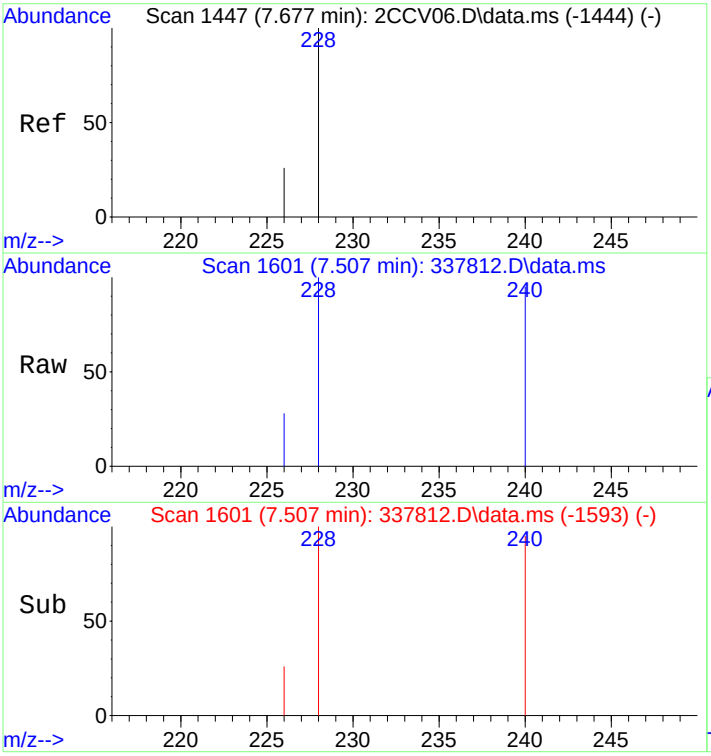


#19
B[a]anthracen
Concen: 51.38 ng/mL
RT: 7.480 min Scan# 1596
Delta R.T. -0.005 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:228 Resp: 4597

Ion	Ratio	Lower	Upper
228	100		
226	26.0	0.0	58.4

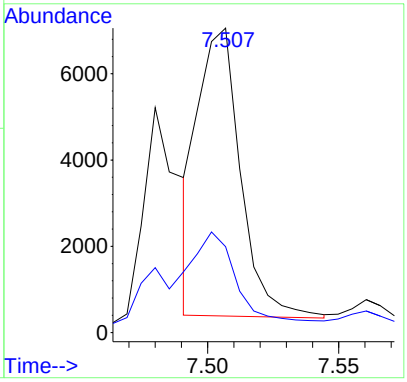


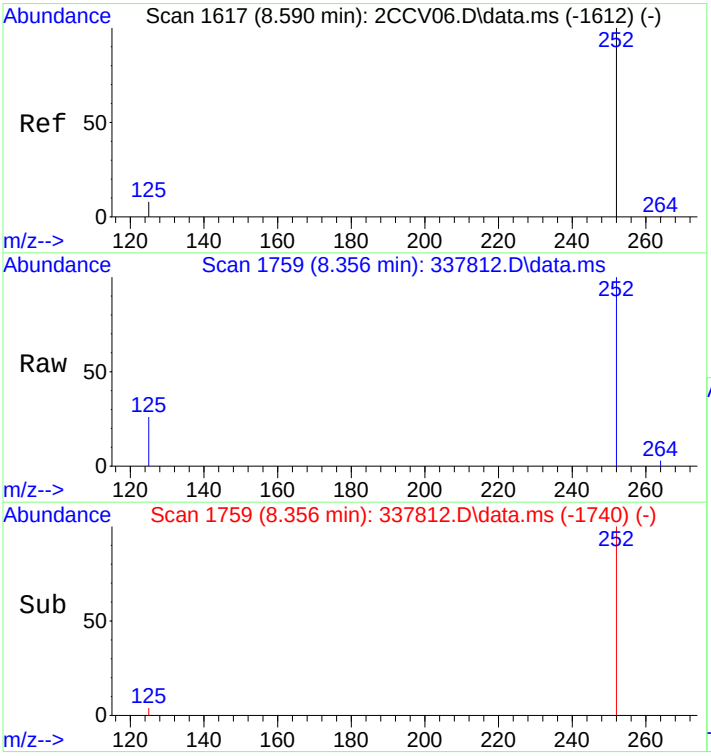


#20
Chrysene
Concen: 54.76 ng/mL
RT: 7.507 min Scan# 1601
Delta R.T. 0.000 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:228 Resp: 7564

Ion	Ratio	Lower	Upper
228	100		
226	25.9	0.0	57.2

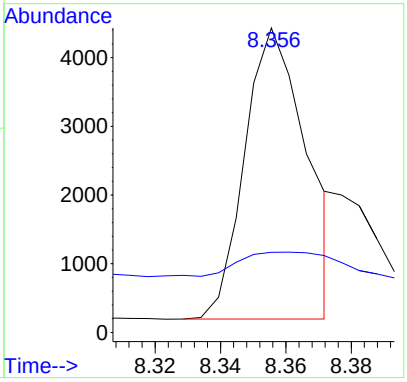


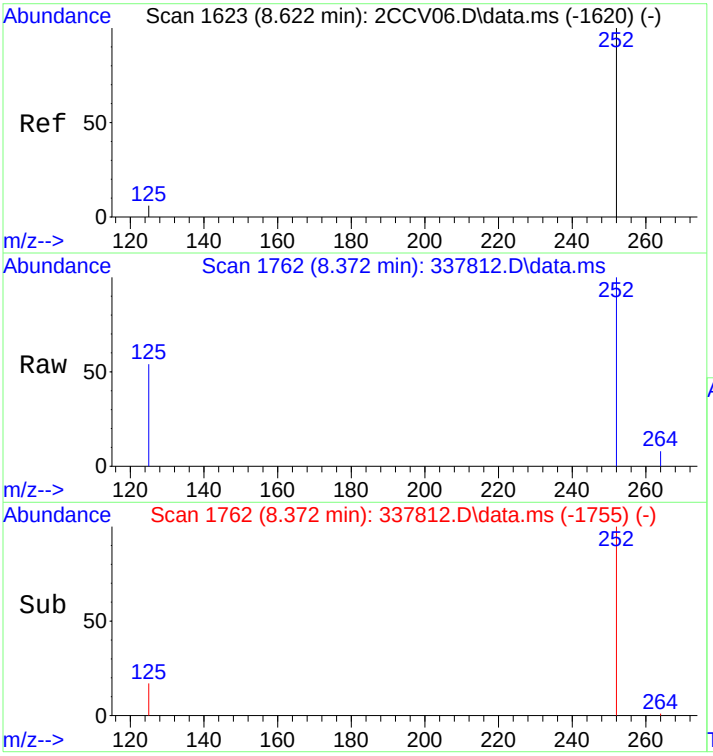


#22
B[b]fluoranth
Concen: 58.05 ng/mL
RT: 8.356 min Scan# 1759
Delta R.T. 0.001 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:252 Resp: 5583

Ion	Ratio	Lower	Upper
252	100		
125	7.9	0.0	37.8

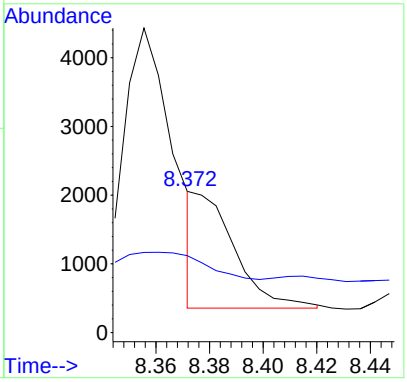


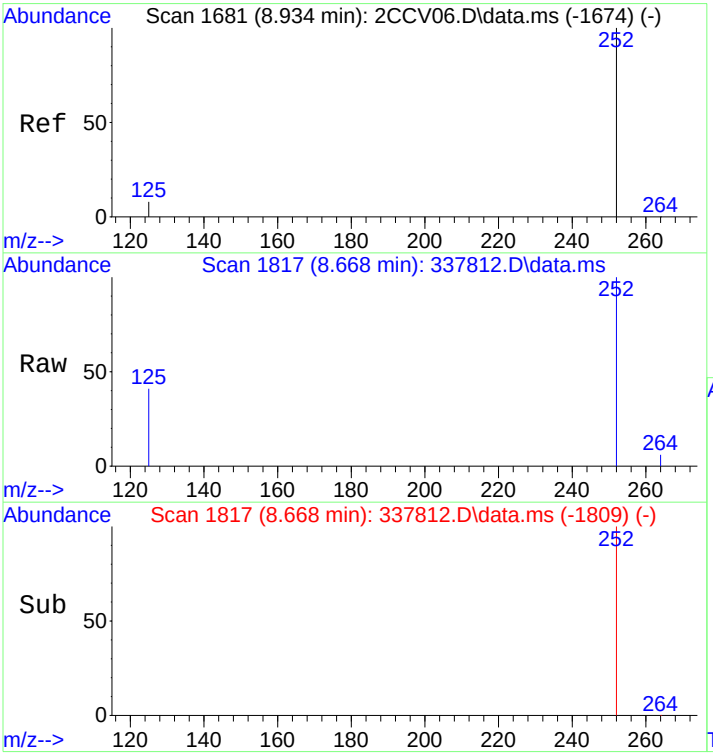


#23
B[k]fluoranth
Concen: 12.45 ng/mL m
RT: 8.372 min Scan# 1762
Delta R.T. -0.010 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:252 Resp: 1726

Ion	Ratio	Lower	Upper
252	100		
125	54.5	0.0	37.7#

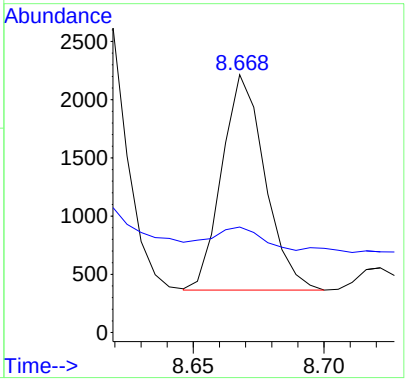


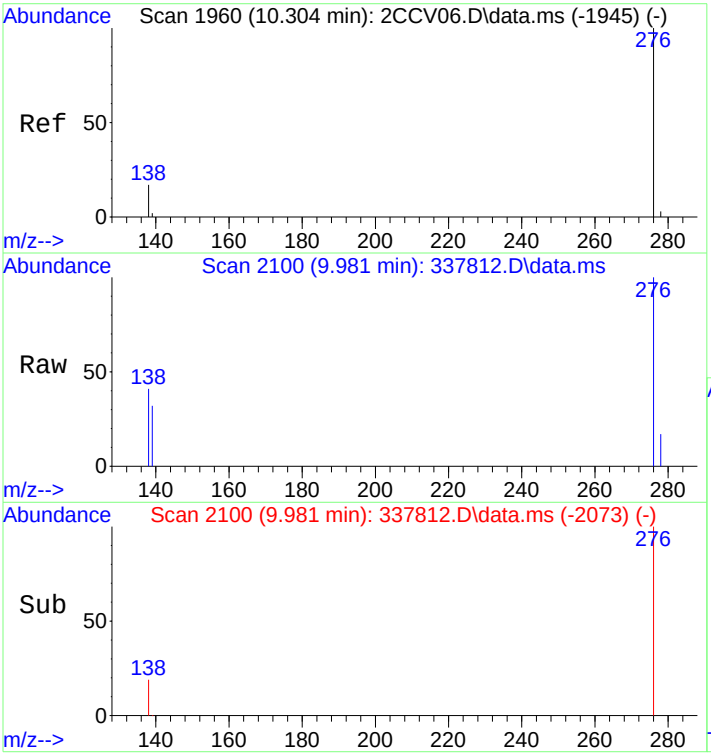


#24
Benz[a]pyrene
Concen: 20.64 ng/mL
RT: 8.668 min Scan# 1817
Delta R.T. 0.001 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:252 Resp: 2131

Ion	Ratio	Lower	Upper
252	100		
125	9.8	0.0	39.1

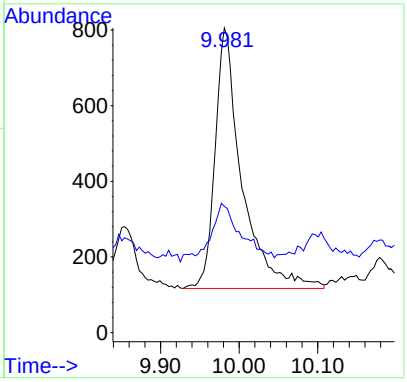


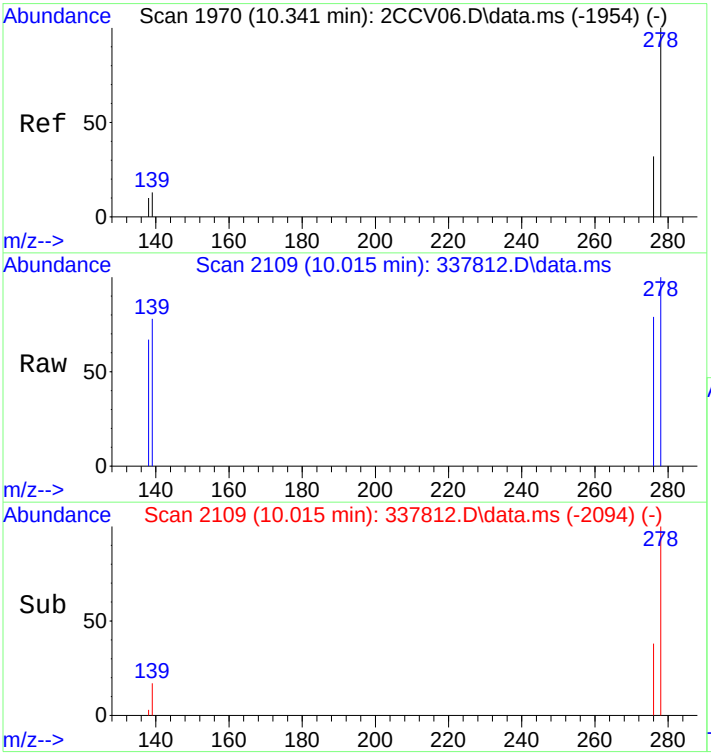


#25
Indeno-pyrene
Concen: 21.79 ng/mL
RT: 9.981 min Scan# 2100
Delta R.T. 0.000 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:276 Resp: 1627

Ion	Ratio	Lower	Upper
276	100		
138	18.6	0.0	48.6

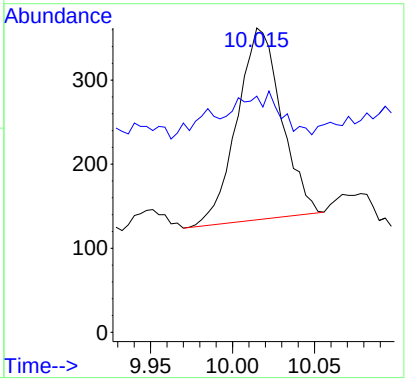


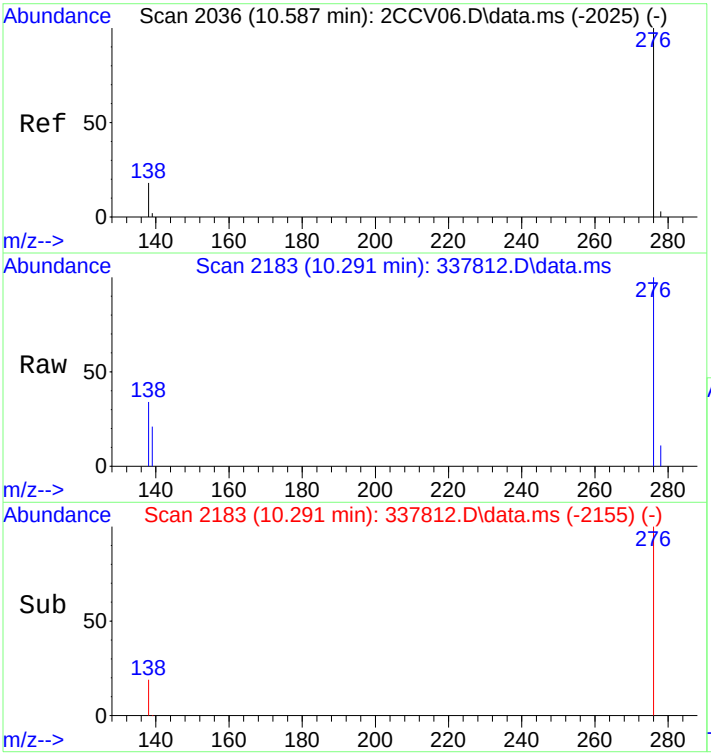


#26
Dib[ah]anthr
Concen: 8.03 ng/mL
RT: 10.015 min Scan# 2109
Delta R.T. -0.004 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:278 Resp: 430

Ion	Ratio	Lower	Upper
278	100		
139	14.3	0.0	45.4

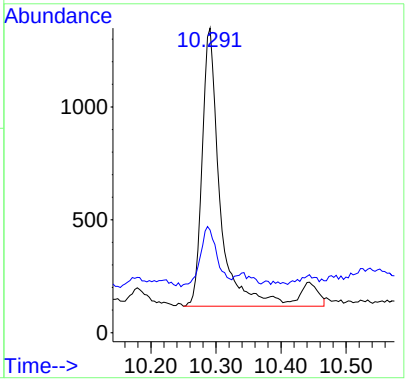


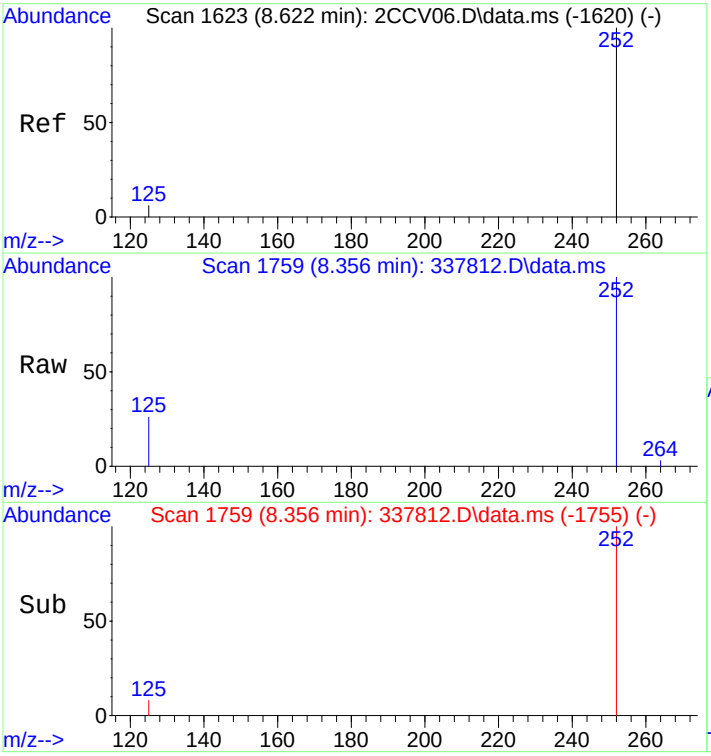


#27
B[ghi]perylen
Concen: 34.20 ng/mL
RT: 10.291 min Scan# 2183
Delta R.T. 0.004 min
Lab File: 337812.D
Acq: 22 Aug 13 2:47 pm

Tgt Ion:276 Resp: 2520

Ion	Ratio	Lower	Upper
276	100		
138	19.6	0.0	50.7

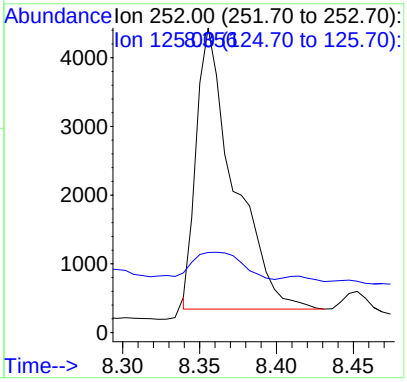




#23
B[k]fluoranth
Concen: 50.16 ng/mL
RT: 8.356 min Scan# 1759
Delta R.T. -0.026 min
Lab File: 337812.D
Acq: 22 Aug 2013 14:47

Tgt Ion:252 Resp: 6956

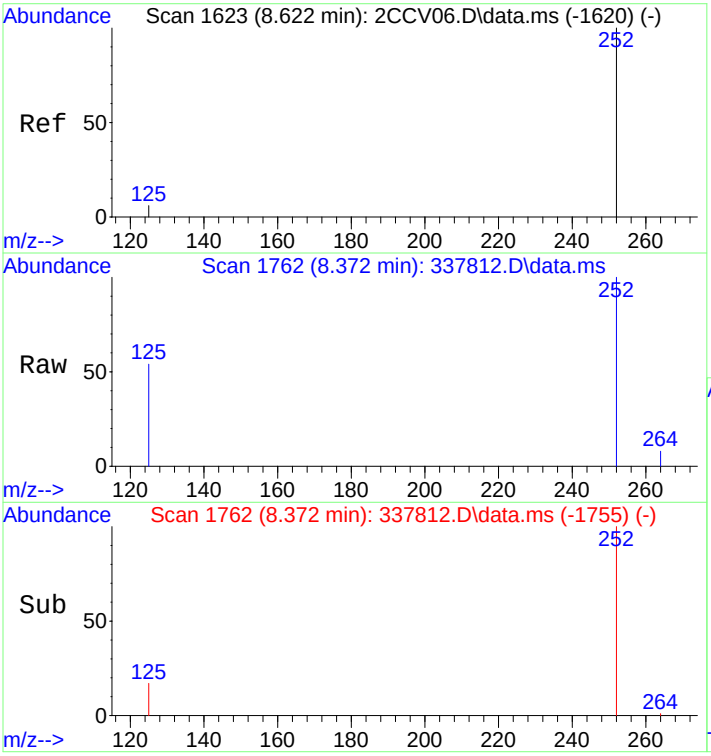
Ion	Ratio	Lower	Upper
252	100		
125	10.4	0.0	37.7



Reason#3

RPN
08/23/13

Before Manual Integration

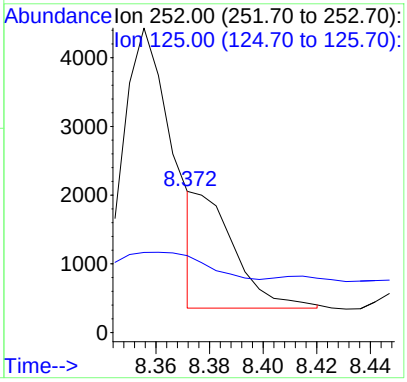


#23
B[k]fluoranth
Concen: 12.45 ng/mL m
RT: 8.372 min Scan# 1762
Delta R.T. -0.010 min
Lab File: 337812.D
Acq: 22 Aug 2013 14:47

Tgt Ion:252 Resp: 1726

Ion	Ratio	Lower	Upper
252	100		
125	54.5	0.0	37.7#

RPN
08/23/13



RED
09/04/2013

After Manual Integration

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337813.D Vial: 9
Acq On : 22 Aug 2013 15:07 Operator: RPN
Sample : 96978,337813, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 10:43:58 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 10:32:55 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

MI

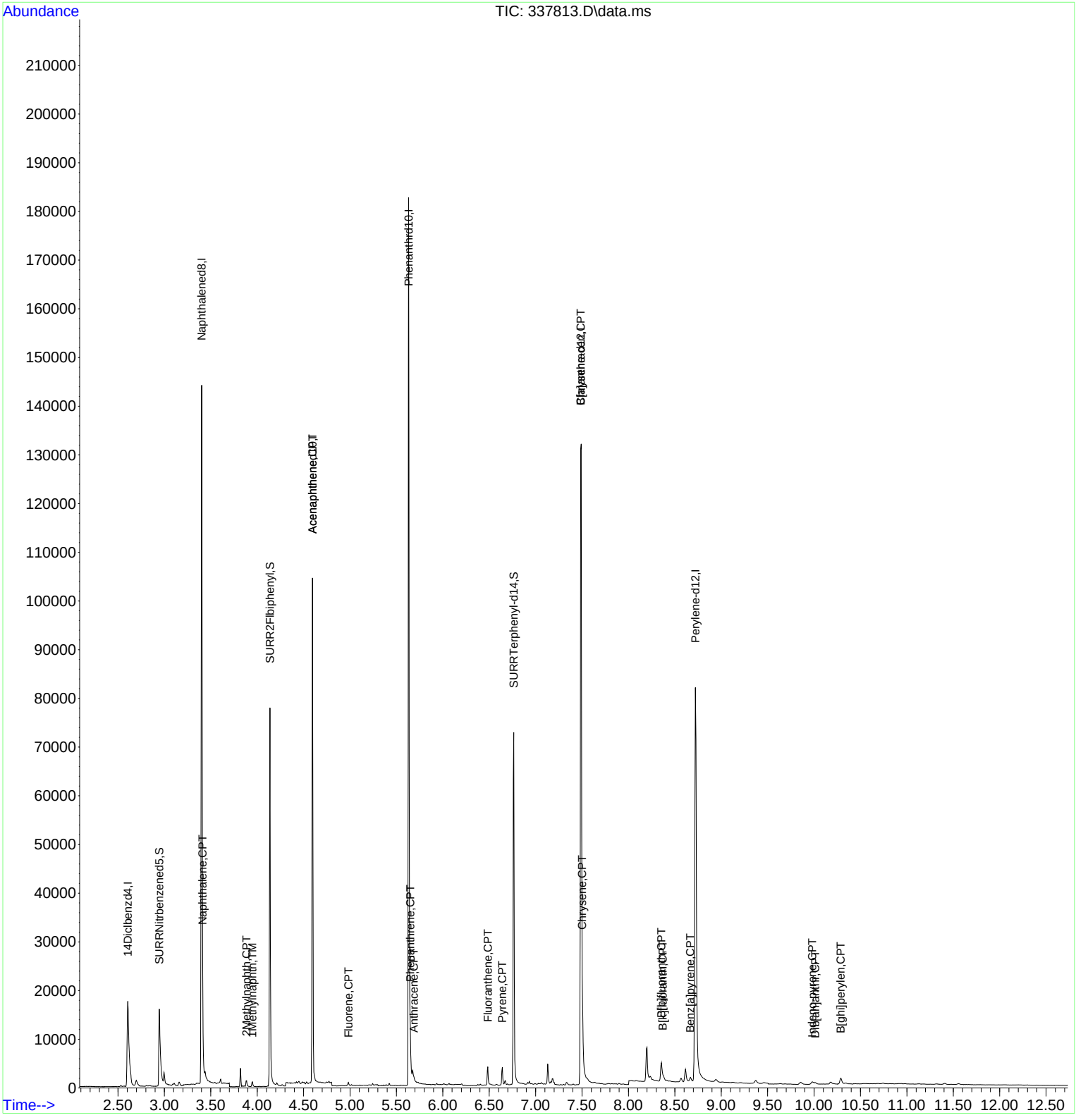
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.605	152	25715	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	107746	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	64935	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	123774	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	119050	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	103360	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.945	82	24025	79.89	%REC	0.00
Spiked Amount 100.000			Recovery = 79.89%			
8) SURR2Flbiphenyl	4.137	172	54235	72.93	%REC	0.00
Spiked Amount 100.000			Recovery = 72.93%			
18) SURRTerphenyl-d14	6.765	244	59187	74.47	ng/mL	0.00
Spiked Amount 100.000			Recovery = 74.47%			
Target Compounds						Qvalue
4) Naphthalene	3.413	128	1346	14.1772	ng/mL#	1
5) 2Methylnaphth	3.885	142	620	11.1072	ng/mL	93
6) 1Methylnaphth	3.950	142	494	6.8313	ng/mL	98
10) Acenaphthene	4.596	154	425	6.7287	ng/mL#	12
11) Fluorene	4.983	166	371	5.3483	ng/mL	90
13) Phenanthrene	5.649	178	4622	43.8469	ng/mL	99
14) Anthracene	5.690	178	1181	9.6274	ng/mL	88
15) Fluoranthene	6.485	202	3146	22.5442	ng/mL	98
17) Pyrene	6.641	202	2954	19.4278	ng/mL	96
19) B[a]anthracen	7.485	228	1371m	14.6178	ng/mL	
20) Chrysene	7.501	228	10562m	72.9358	ng/mL	
22) B[b]fluoranth	8.355	252	4210	42.8220	ng/mL	99
23) B[k]fluoranth	8.372	252	947m	6.6798	ng/mL	
24) Benz[a]pyrene	8.668	252	794	7.5216	ng/mL	92
25) Indeno-pyrene	9.981	276	964	12.6274	ng/mL	93
26) Dib[ah]anthr	10.015	278	328	5.9926	ng/mL	94
27) B[ghi]perylen	10.287	276	1846	24.5106	ng/mL	96

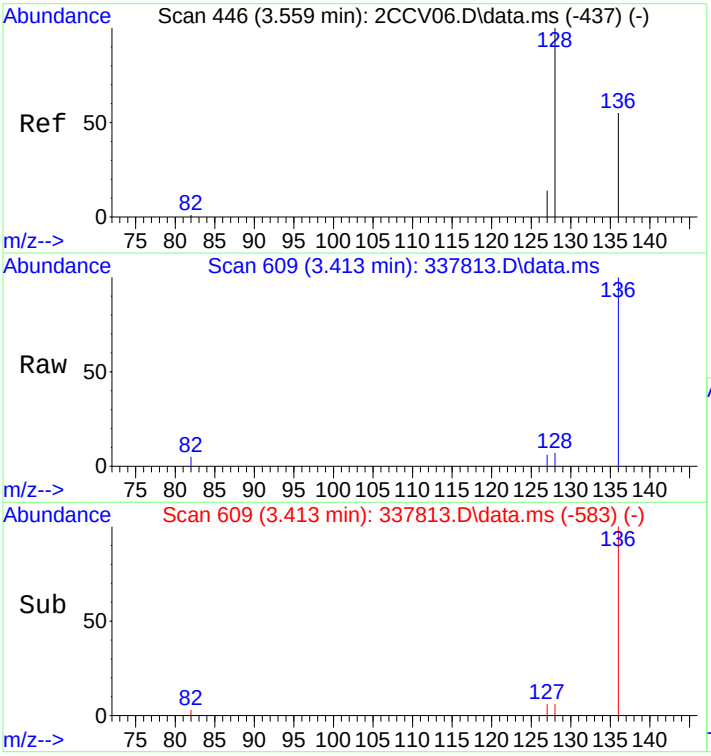
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337813.D Vial: 9
Acq On : 22 Aug 2013 15:07 Operator: RPN
Sample : 96978,337813, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 10:43:58 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 10:32:55 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

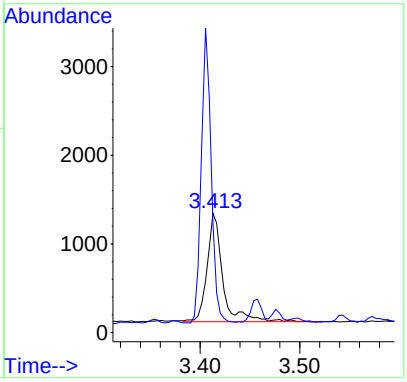


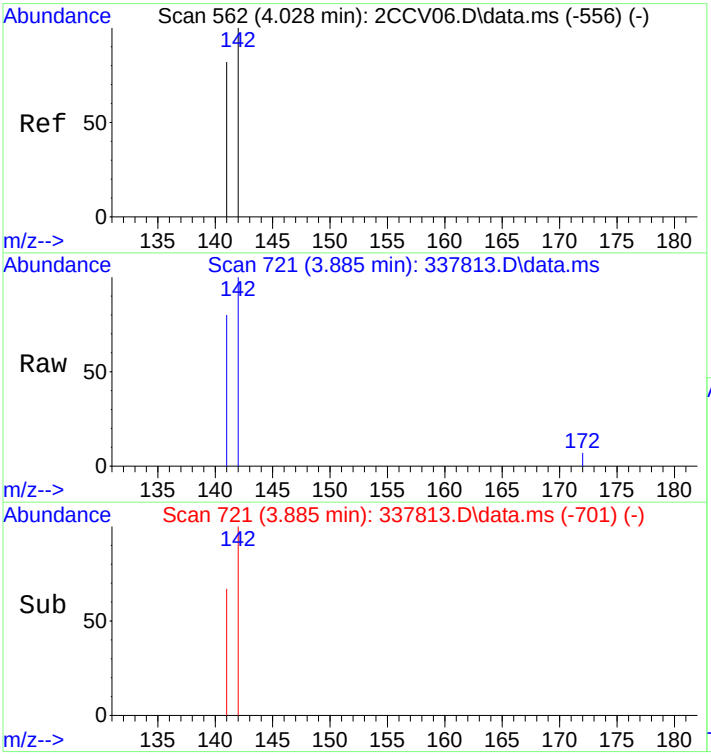


#4
Naphthalene
Concen: 14.18 ng/mL
RT: 3.413 min Scan# 609
Delta R.T. -0.004 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:128 Resp: 1346

Ion	Ratio	Lower	Upper
128	100		
127	92.2	0.0	42.4#

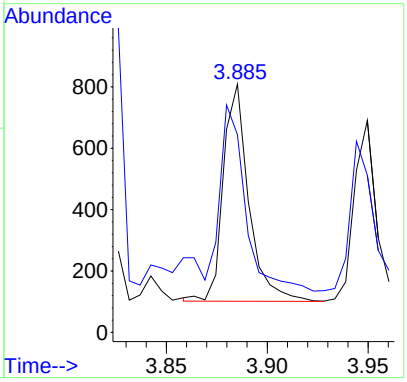


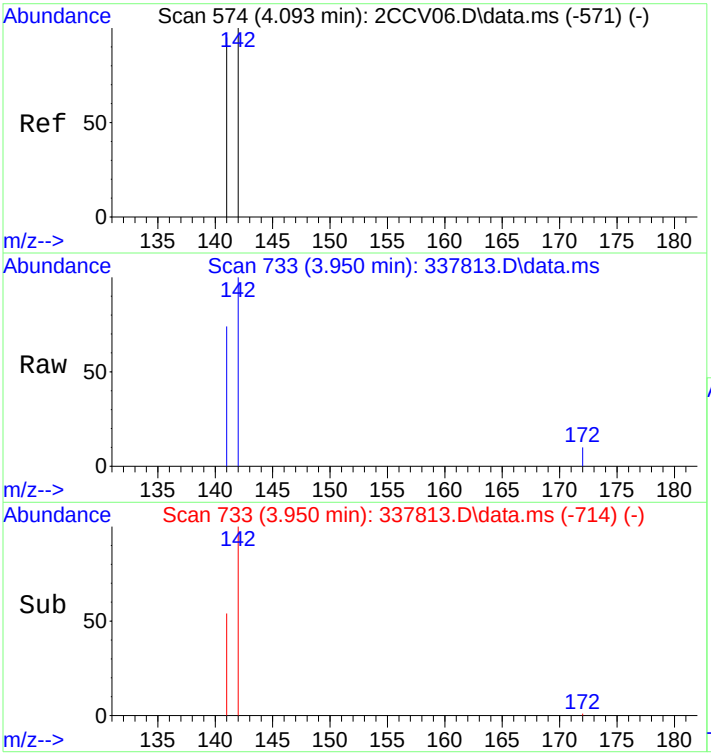


#5
2Methylnaphth
Concen: 11.11 ng/mL
RT: 3.885 min Scan# 721
Delta R.T. 0.005 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:142 Resp: 620

Ion	Ratio	Lower	Upper
142	100		
141	75.6	51.8	111.8

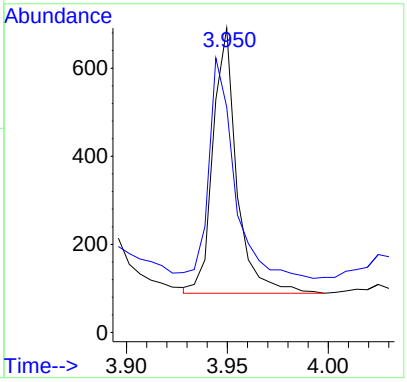


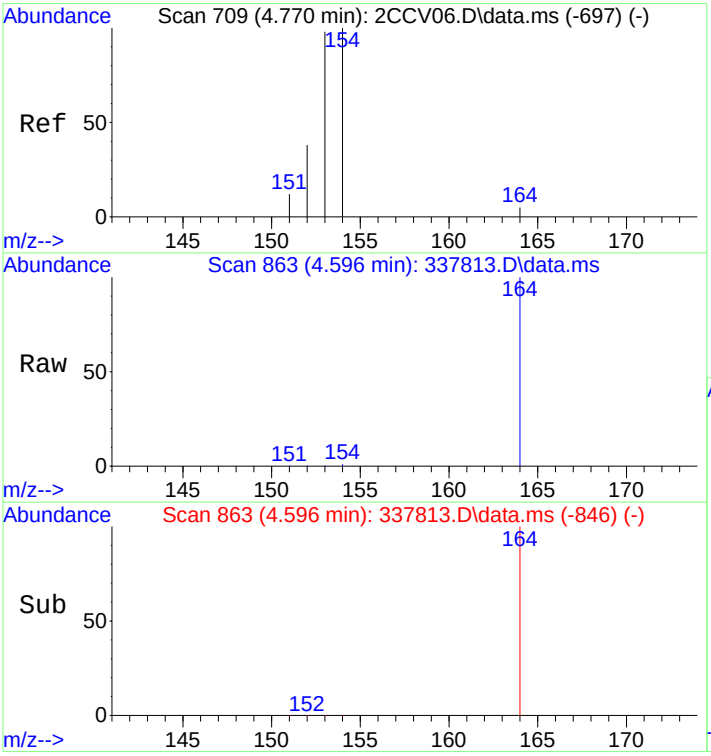


#6
1Methylnaphth
Concen: 6.83 ng/mL
RT: 3.950 min Scan# 733
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:142 Resp: 494

Ion	Ratio	Lower	Upper
142	100		
141	82.6	54.2	114.2

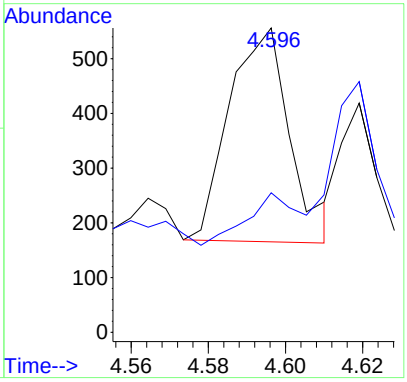


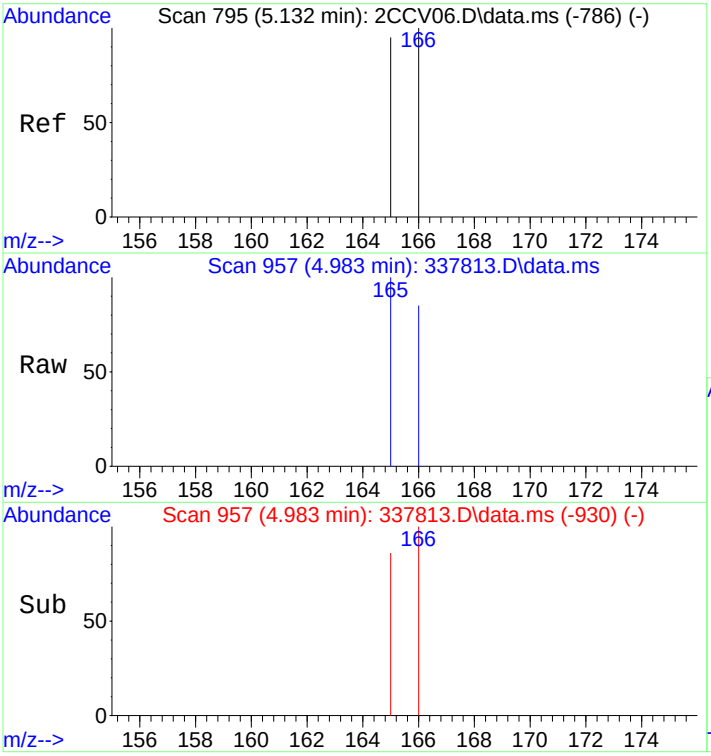


#10
Acenaphthene
Concen: 6.73 ng/mL
RT: 4.596 min Scan# 863
Delta R.T. -0.023 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:154 Resp: 425

Ion	Ratio	Lower	Upper
154	100		
153	19.4	84.6	144.6#

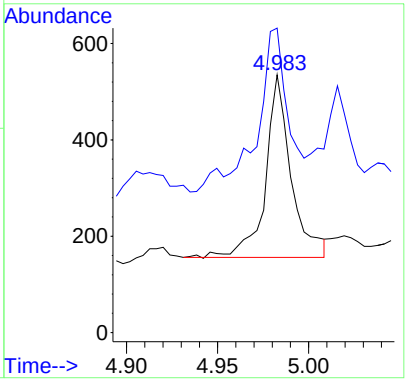


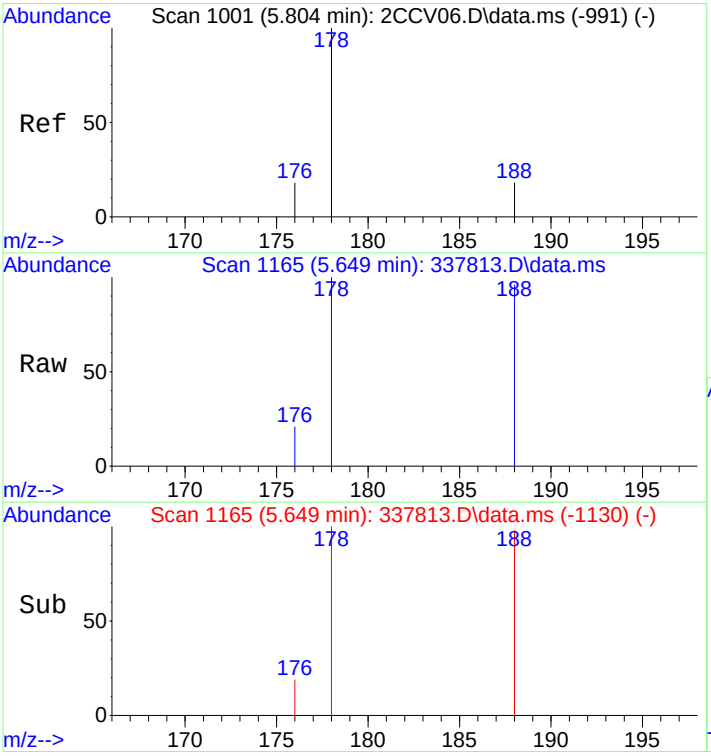


#11
Fluorene
Concen: 5.35 ng/mL
RT: 4.983 min Scan# 957
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:166 Resp: 371

Ion	Ratio	Lower	Upper
166	100		
165	86.0	47.7	107.7

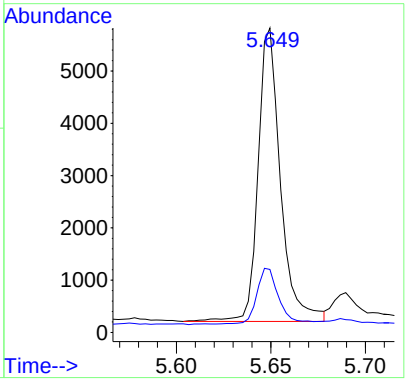


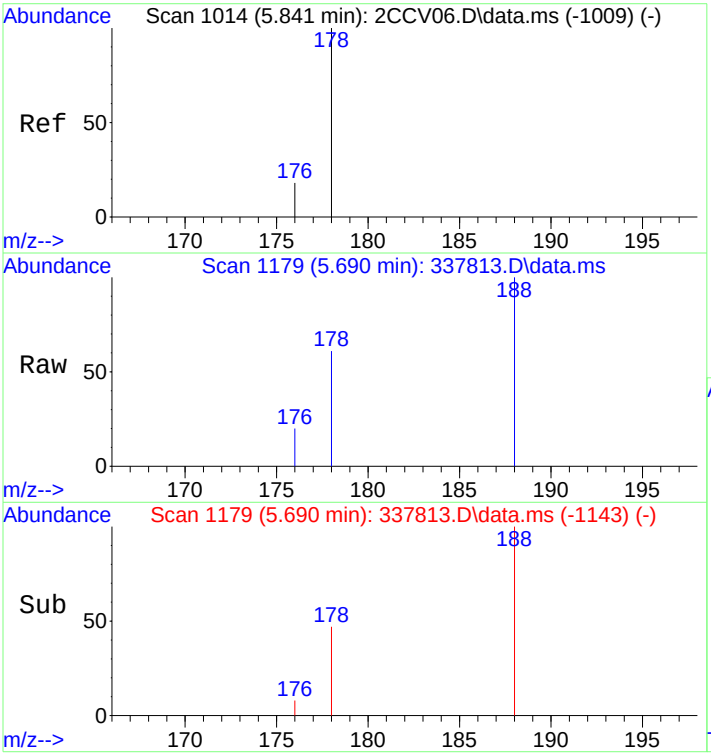


#13
Phenanthrene
Concen: 43.85 ng/mL
RT: 5.649 min Scan# 1165
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:178 Resp: 4622

Ion	Ratio	Lower	Upper
178	100		
176	18.5	0.0	49.2

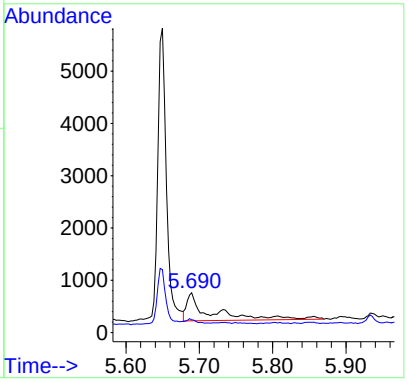


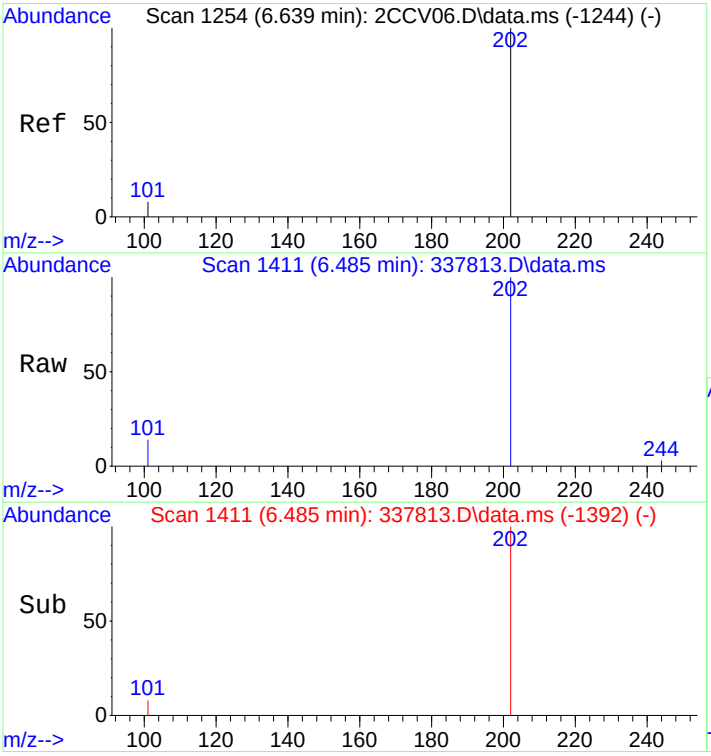


#14
Anthracene
Concen: 9.63 ng/mL
RT: 5.690 min Scan# 1179
Delta R.T. 0.003 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:178 Resp: 1181

Ion	Ratio	Lower	Upper
178	100		
176	12.7	0.0	47.9

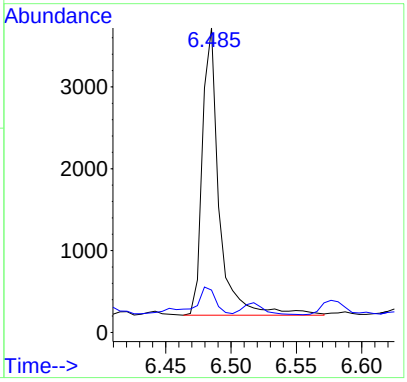


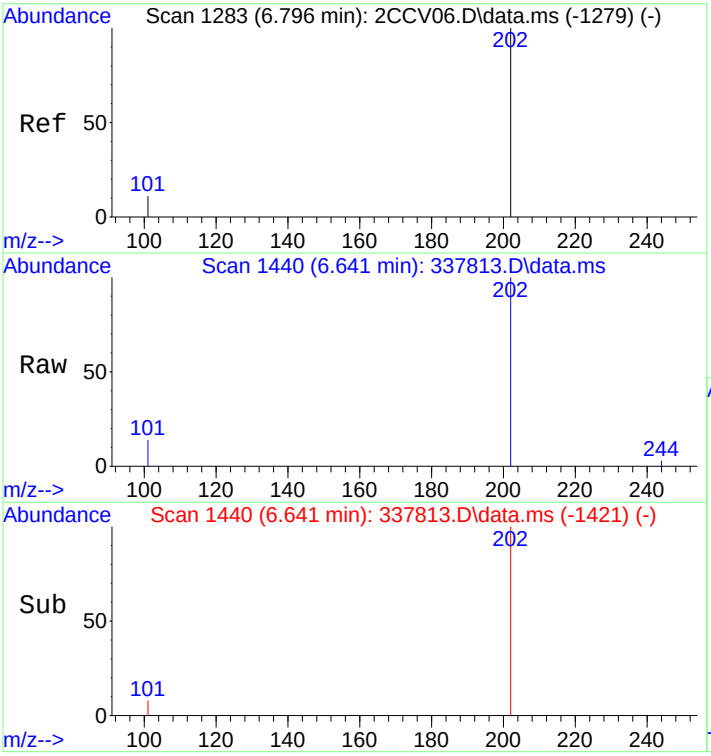


#15
Fluoranthene
Concen: 22.54 ng/mL
RT: 6.485 min Scan# 1411
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:202 Resp: 3146

Ion	Ratio	Lower	Upper
202	100		
101	6.6	0.0	37.5

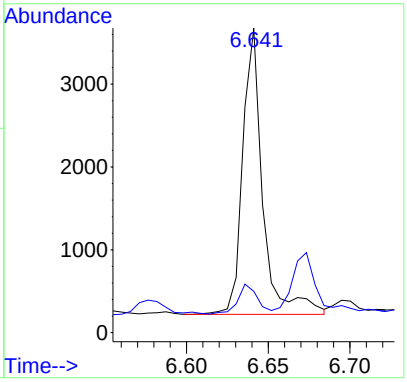


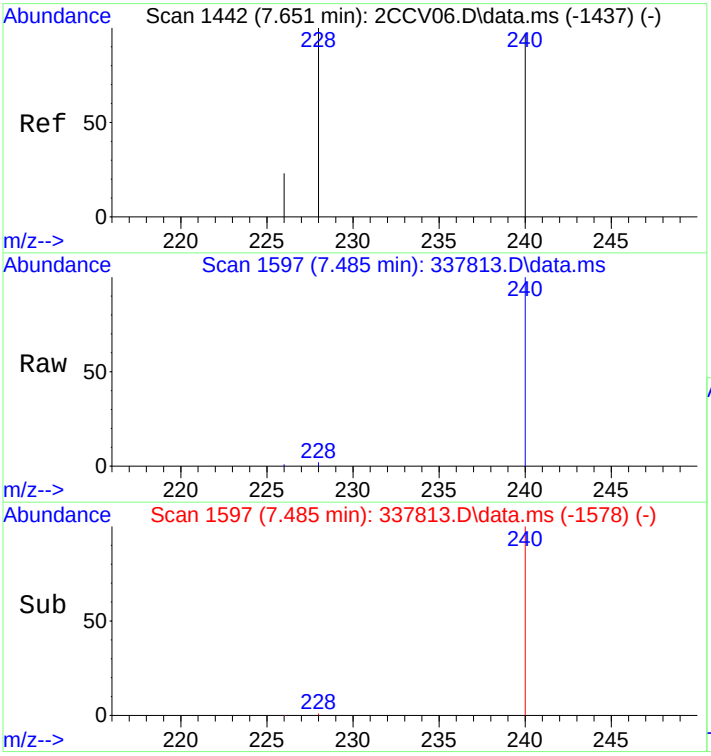


#17
Pyrene
Concen: 19.43 ng/mL
RT: 6.641 min Scan# 1440
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:202 Resp: 2954

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	38.8

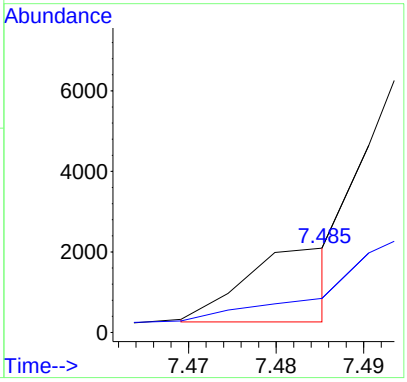


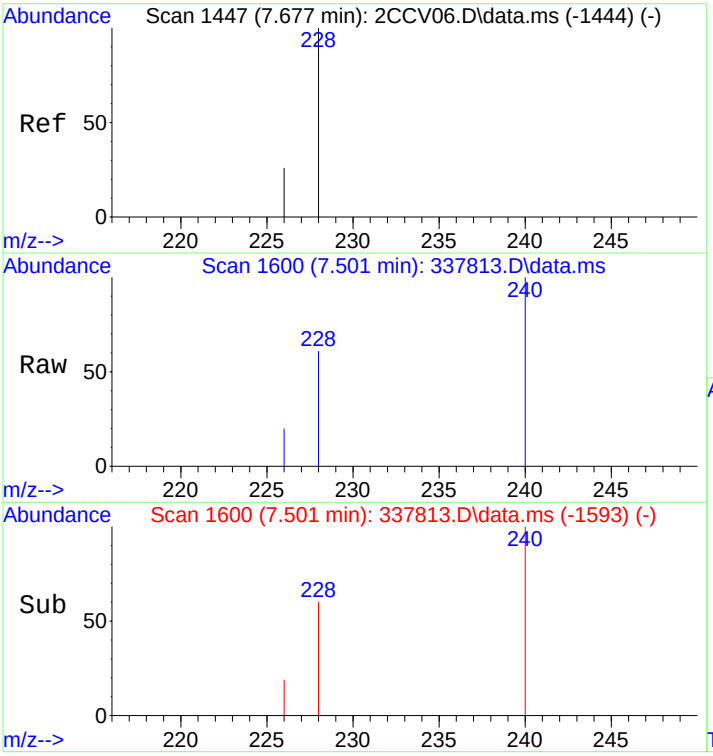


#19
B[a]anthracen
Concen: 14.62 ng/mL m
RT: 7.485 min Scan# 1597
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:228 Resp: 1371

Ion	Ratio	Lower	Upper
228	100		
226	40.3	0.0	58.4

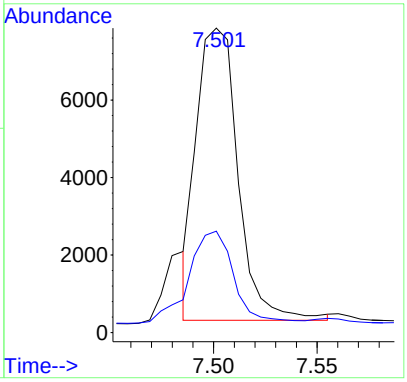


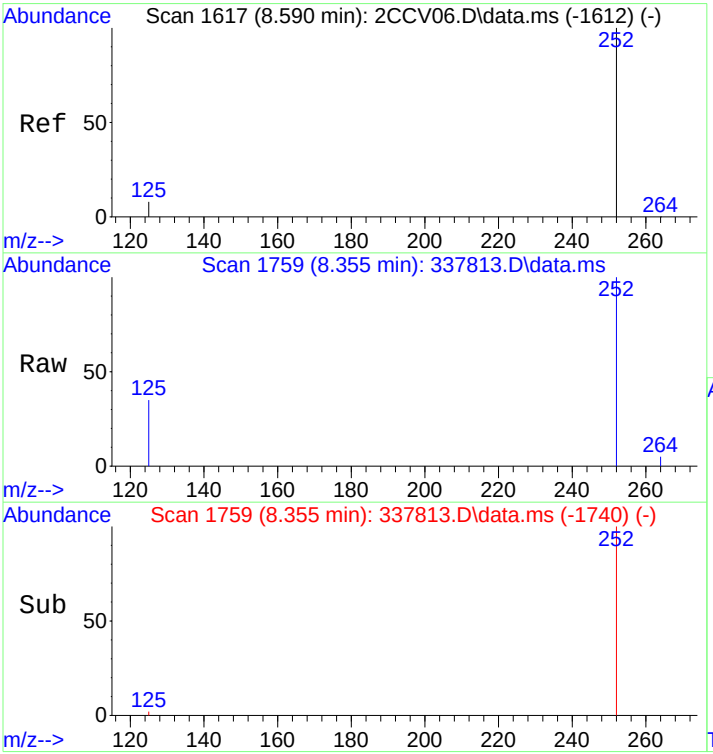


#20
Chrysene
Concen: 72.94 ng/mL m
RT: 7.501 min Scan# 1600
Delta R.T. -0.005 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:228 Resp: 10562

Ion	Ratio	Lower	Upper
228	100		
226	33.3	0.0	57.2

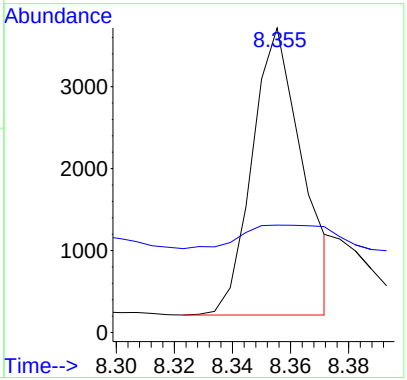


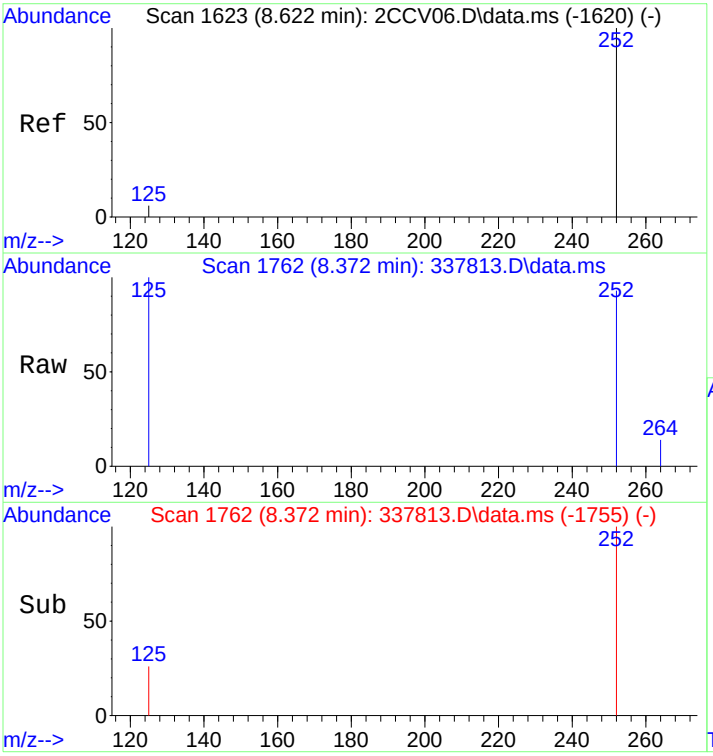


#22
B[b]fluoranth
Concen: 42.82 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:252 Resp: 4210

Ion	Ratio	Lower	Upper
252	100		
125	8.2	0.0	37.8

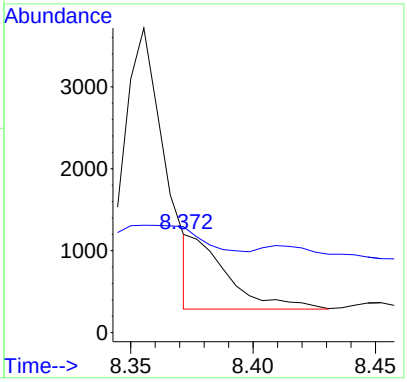


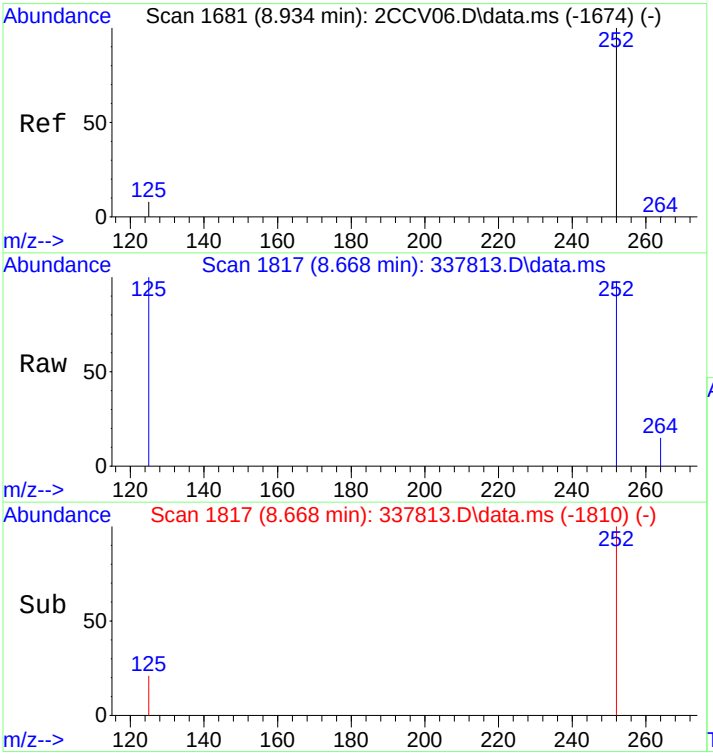


#23
B[k]fluoranth
Concen: 6.68 ng/mL m
RT: 8.372 min Scan# 1762
Delta R.T. -0.011 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:252 Resp: 947

Ion	Ratio	Lower	Upper
252	100		
125	107.7	0.0	37.7#

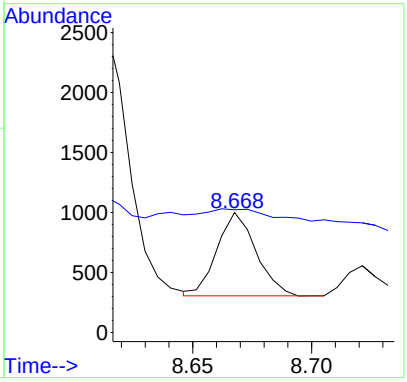


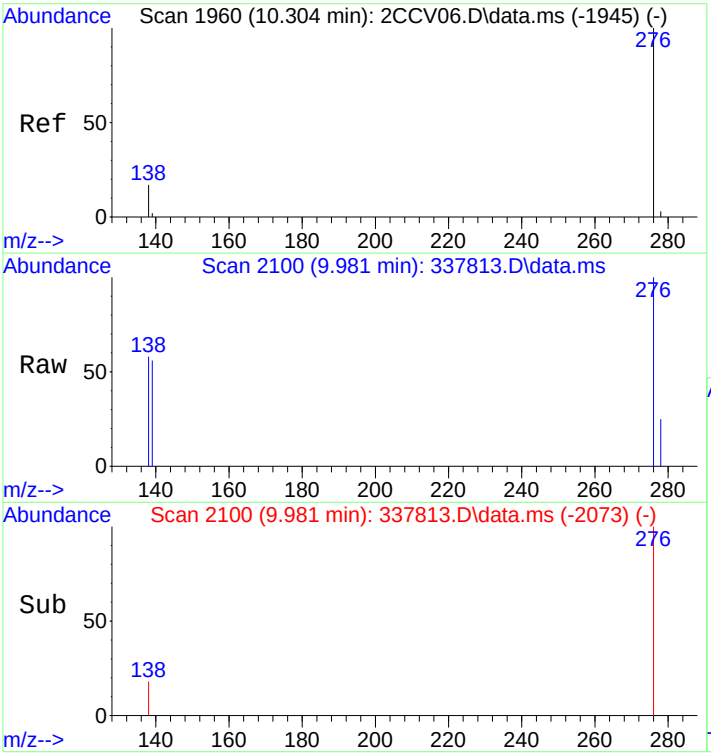


#24
Benz[a]pyrene
Concen: 7.52 ng/mL
RT: 8.668 min Scan# 1817
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:252 Resp: 794

Ion	Ratio	Lower	Upper
252	100		
125	12.1	0.0	39.1

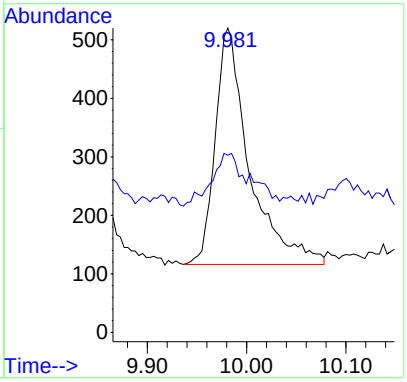


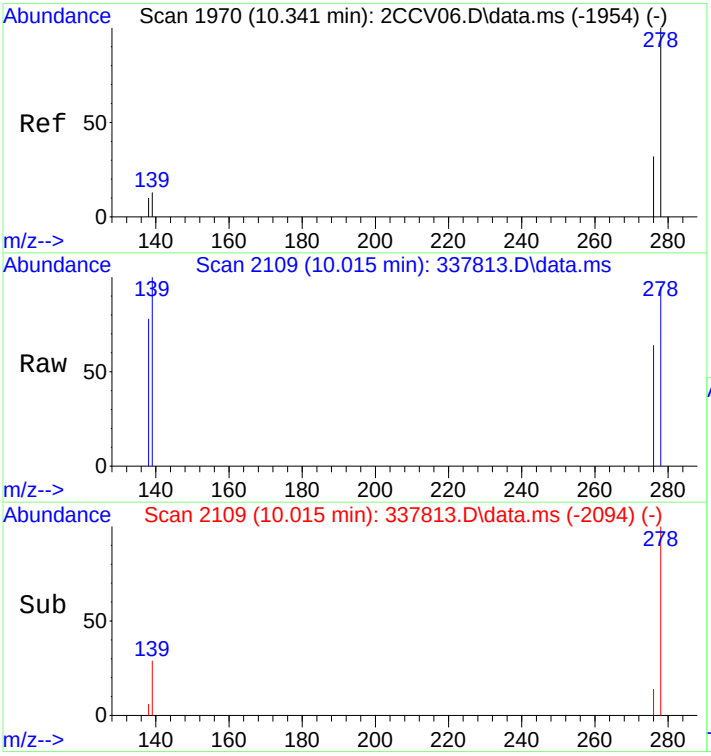


#25
Indeno-pyrene
Concen: 12.63 ng/mL
RT: 9.981 min Scan# 2100
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:276 Resp: 964

Ion	Ratio	Lower	Upper
276	100		
138	21.5	0.0	48.6

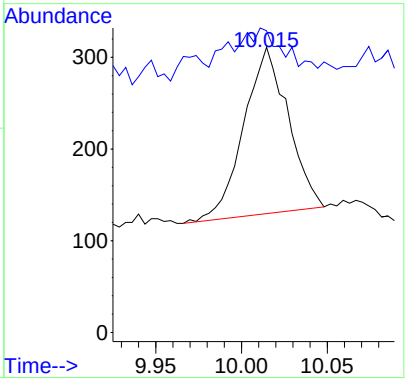


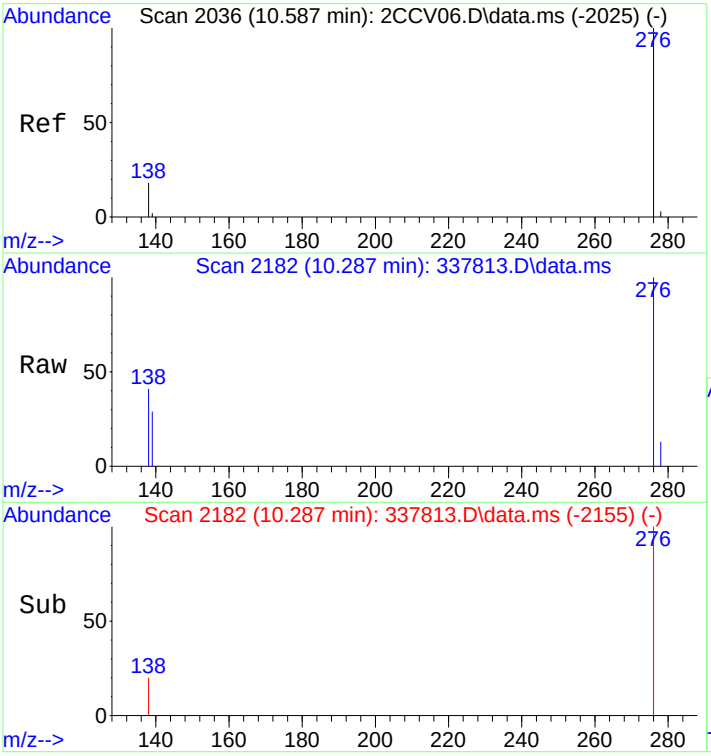


#26
Dib[ah]anthr
Concen: 5.99 ng/mL
RT: 10.015 min Scan# 2109
Delta R.T. -0.004 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:278 Resp: 328

Ion	Ratio	Lower	Upper
278	100		
139	17.7	0.0	45.4

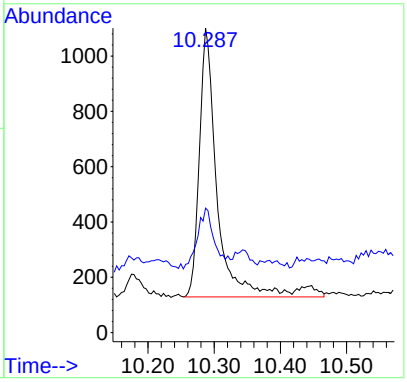


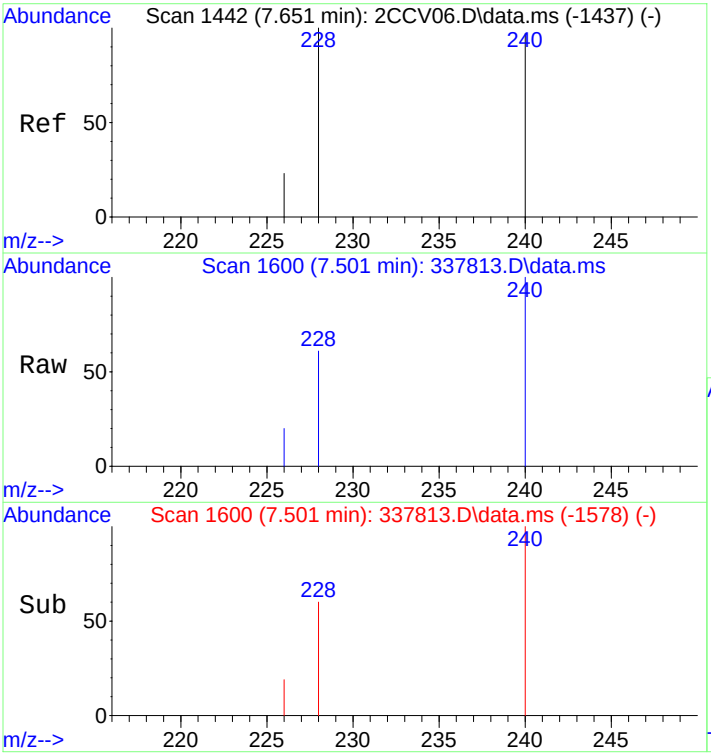


#27
B[ghi]perylen
Concen: 24.51 ng/mL
RT: 10.287 min Scan# 2182
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 13 3:07 pm

Tgt Ion:276 Resp: 1846

Ion	Ratio	Lower	Upper
276	100		
138	22.6	0.0	50.7

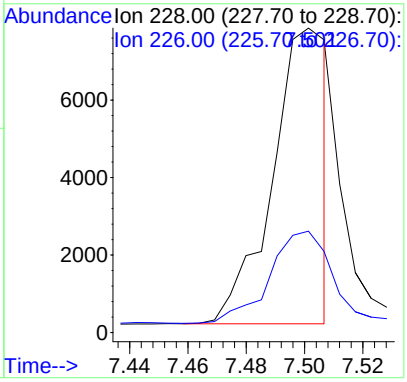




#19
B[a]anthracen
Concen: 106.97 ng/mL
RT: 7.501 min Scan# 1600
Delta R.T. 0.016 min
Lab File: 337813.D
Acq: 22 Aug 2013 15:07

Tgt Ion:228 Resp: 10033

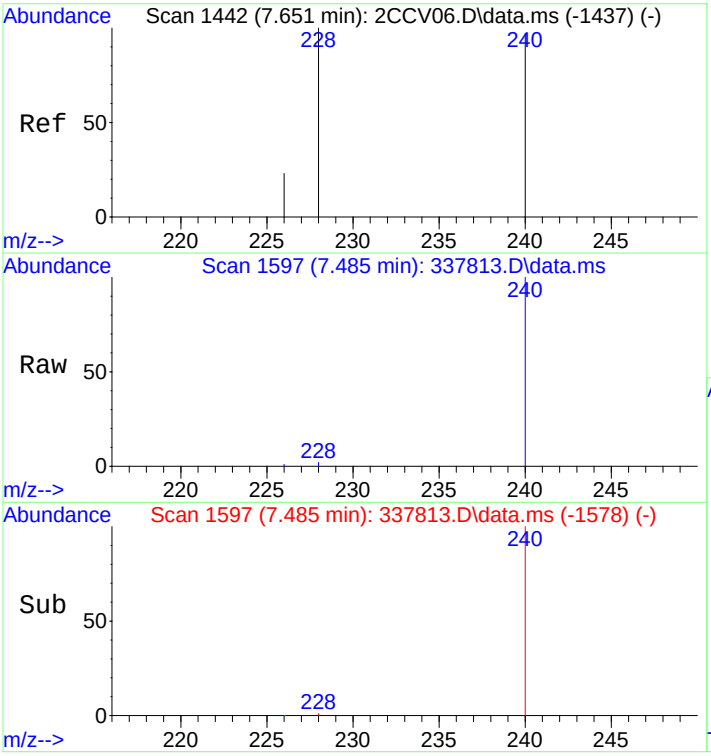
Ion	Ratio	Lower	Upper
228	100		
226	31.2	0.0	58.4



Reason#3

RPN
08/23/13

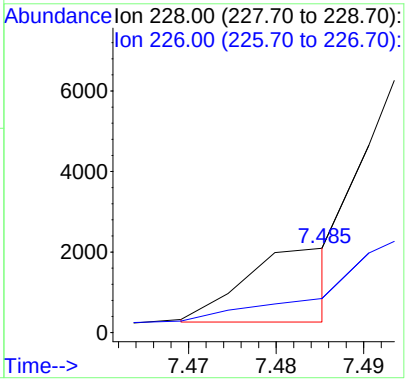
Before Manual Integration



#19
B[a]anthracen
Concen: 14.62 ng/mL m
RT: 7.485 min Scan# 1597
Delta R.T. -0.000 min
Lab File: 337813.D
Acq: 22 Aug 2013 15:07

Tgt Ion:228 Resp: 1371

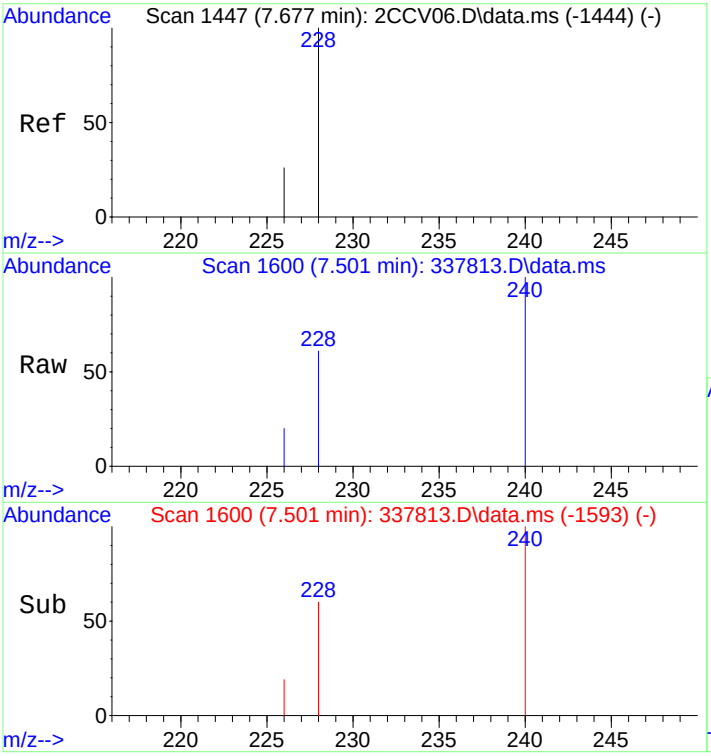
Ion	Ratio	Lower	Upper
228	100		
226	40.3	0.0	58.4



CRPN
08/23/13

RED
09/04/2013

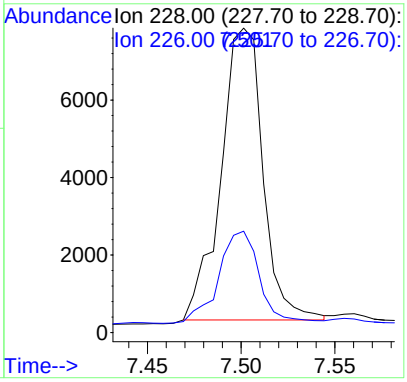
After Manual Integration



#20
Chrysene
Concen: 81.10 ng/mL
RT: 7.501 min Scan# 1600
Delta R.T. -0.005 min
Lab File: 337813.D
Acq: 22 Aug 2013 15:07

Tgt Ion:228 Resp: 11744

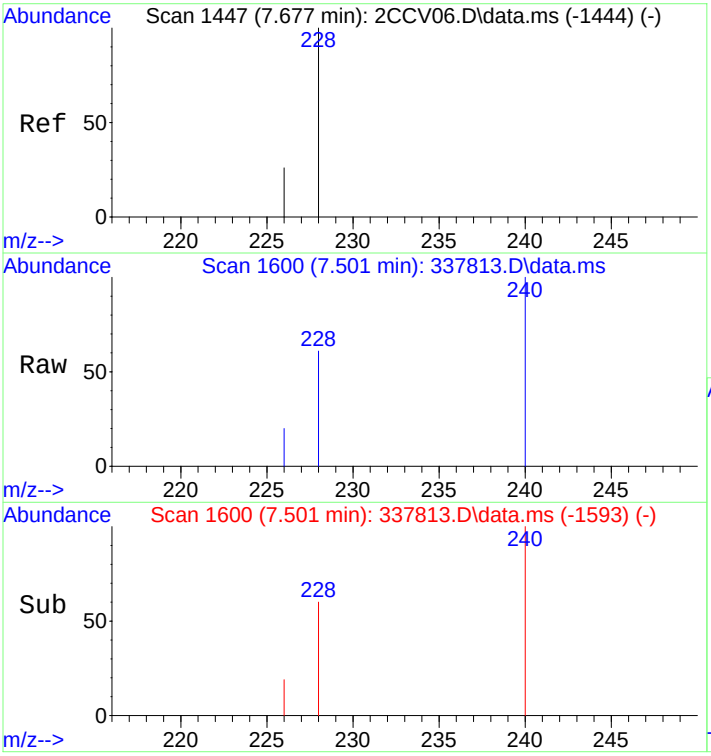
Ion	Ratio	Lower	Upper
228	100		
226	31.0	0.0	57.2



Reason#3

RPN
08/23/13

Before Manual Integration

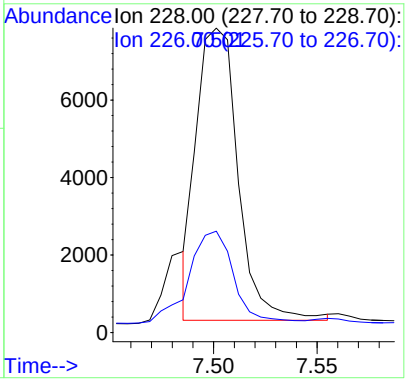


#20
Chrysene
Concen: 72.94 ng/mL m
RT: 7.501 min Scan# 1600
Delta R.T. -0.005 min
Lab File: 337813.D
Acq: 22 Aug 2013 15:07

Tgt Ion:228 Resp: 10562

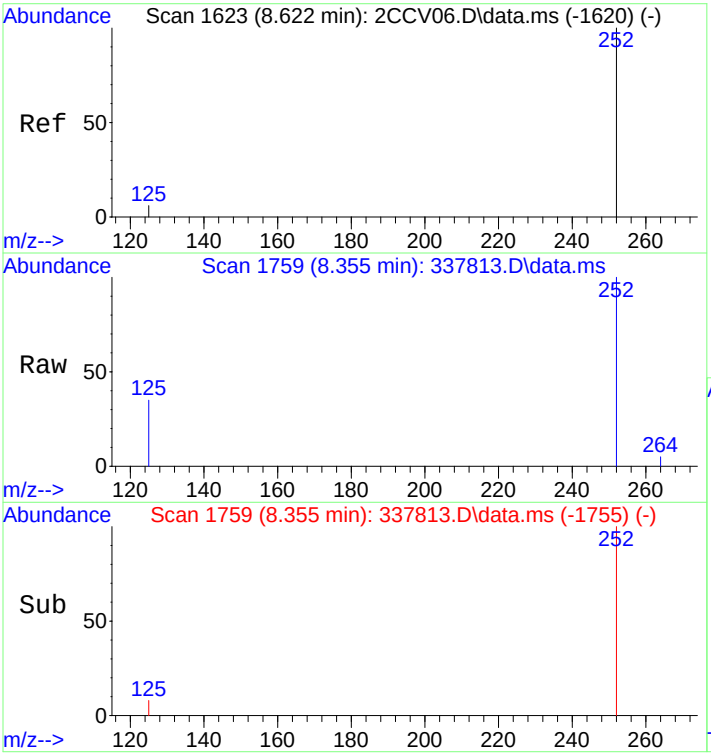
Ion	Ratio	Lower	Upper
228	100		
226	33.3	0.0	57.2

RPN
08/23/13



RED
09/04/2013

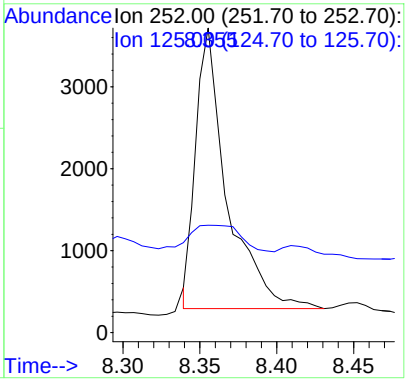
After Manual Integration



#23
B[k]fluoranth
Concen: 34.26 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. -0.027 min
Lab File: 337813.D
Acq: 22 Aug 2013 15:07

Tgt Ion:252 Resp: 4857

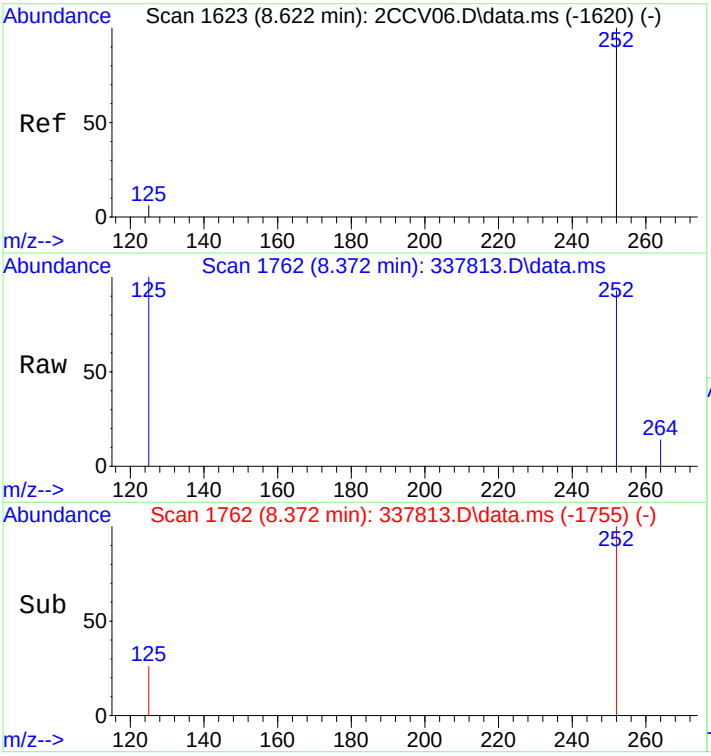
Ion	Ratio	Lower	Upper
252	100		
125	10.3	0.0	37.7



Reason#3

RPN
08/23/13

Before Manual Integration

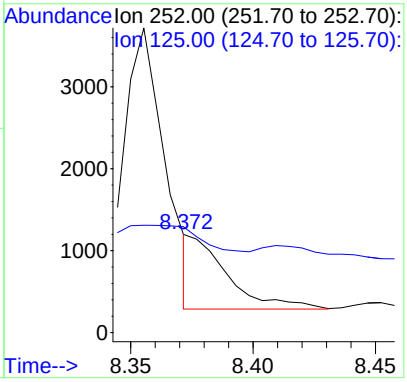


#23
B[k]fluoranth
Concen: 6.68 ng/mL m
RT: 8.372 min Scan# 1762
Delta R.T. -0.011 min
Lab File: 337813.D
Acq: 22 Aug 2013 15:07

Tgt Ion:252 Resp: 947

Ion	Ratio	Lower	Upper
252	100		
125	107.7	0.0	37.7#

RPN
08/23/13



After Manual Integration

RED
09/04/2013

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337815.D Vial: 10
Acq On : 22 Aug 2013 15:27 Operator: RPN
Sample : 96978,337815, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 15:15:54 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Fri Aug 23 15:14:26 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

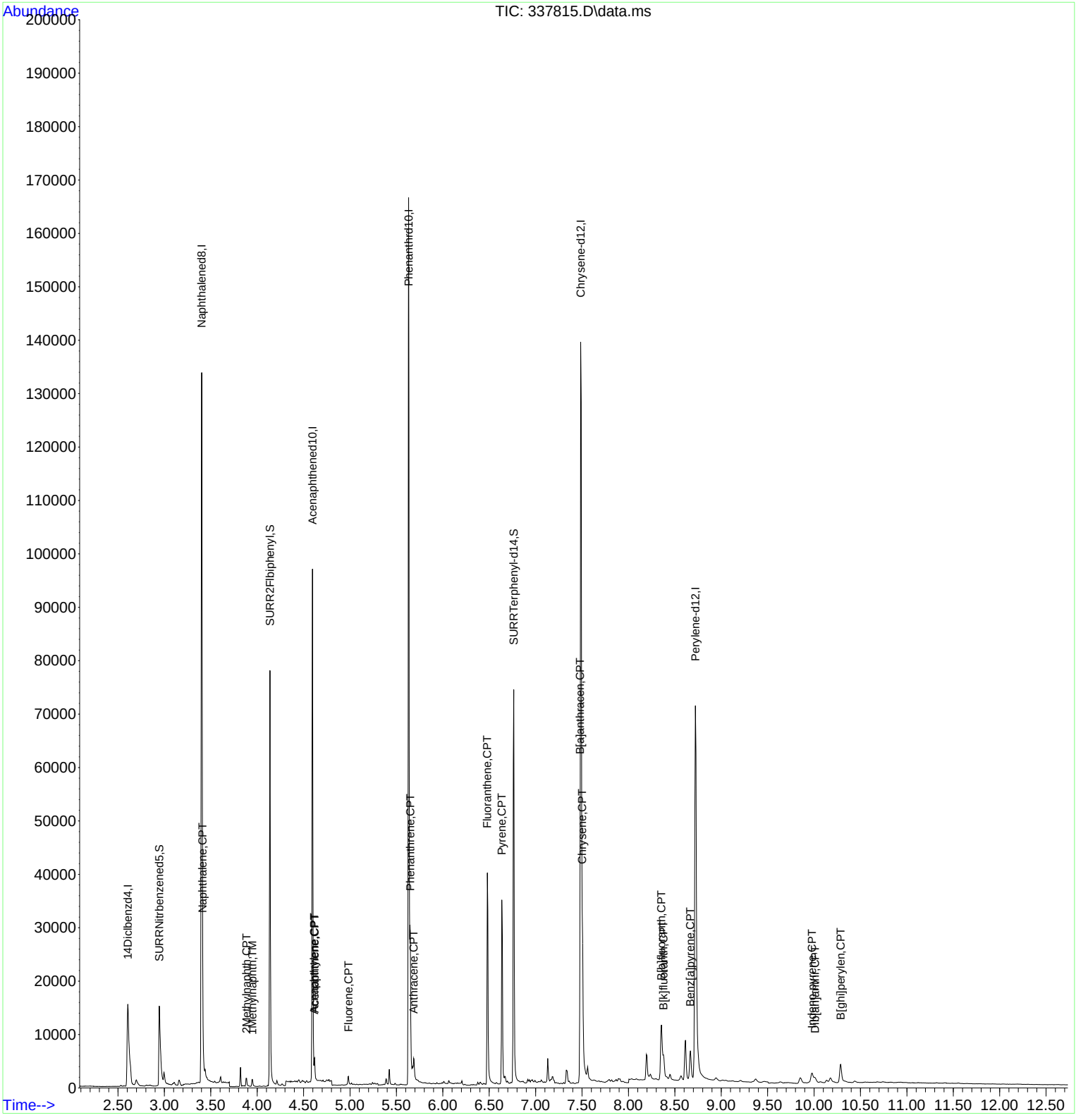
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.605	152	24446	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	101994	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	60849	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	114812	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	111920	1000.00	ng/mL	0.00
21) Perylene-d12	8.722	264	91830	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.946	82	22006	77.31	%REC	0.00
Spiked Amount 100.000			Recovery = 77.31%			
8) SURR2Flbiphenyl	4.138	172	54426	78.10	%REC	0.00
Spiked Amount 100.000			Recovery = 78.10%			
18) SURRTerphenyl-d14	6.765	244	58548	78.36	ng/mL	0.00
Spiked Amount 100.000			Recovery = 78.36%			
Target Compounds						Qvalue
4) Naphthalene	3.413	128	1557	17.3245	ng/mL#	1
5) 2Methylnaphth	3.885	142	795	15.0455	ng/mL	91
6) 1Methylnaphth	3.950	142	667	9.7438	ng/mL	98
9) Acnaphthylene	4.615	152	512	6.5093	ng/mL#	1
10) Acenaphthene	4.619	154	1131	19.1086	ng/mL	86
11) Fluorene	4.983	166	836	12.8610	ng/mL	91
13) Phenanthrene	5.650	178	15304	156.5149	ng/mL	97
14) Anthracene	5.687	178	4144	36.4184	ng/mL	99
15) Fluoranthene	6.480	202	29635	228.9404	ng/mL	94
17) Pyrene	6.636	202	25050	175.2435	ng/mL	91
19) B[a]anthracen	7.480	228	13324	151.1123	ng/mL	94
20) Chrysene	7.501	228	18022	132.3791	ng/mL	90
22) B[b]fluoranth	8.356	252	12994	148.7631	ng/mL	99
23) B[k]fluoranth	8.377	252	3706m	29.4231	ng/mL	
24) Benz[a]pyrene	8.668	252	6109	65.1368	ng/mL	99
25) Indeno-pyrene	9.977	276	3354	49.4504	ng/mL	97
26) Dib[ah]anthr	10.011	278	889	18.2813	ng/mL	100
27) B[ghi]perylen	10.287	276	5312	79.3869	ng/mL	97

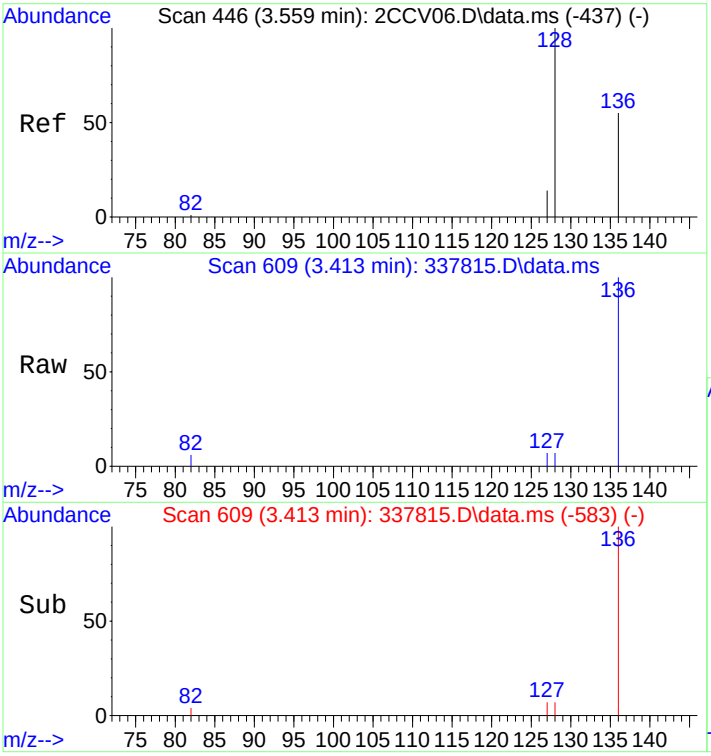
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337815.D Vial: 10
Acq On : 22 Aug 2013 15:27 Operator: RPN
Sample : 96978,337815, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 15:15:54 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Fri Aug 23 15:14:26 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

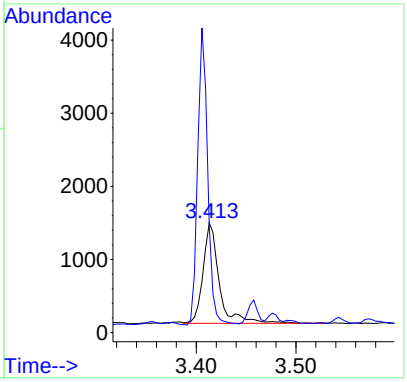


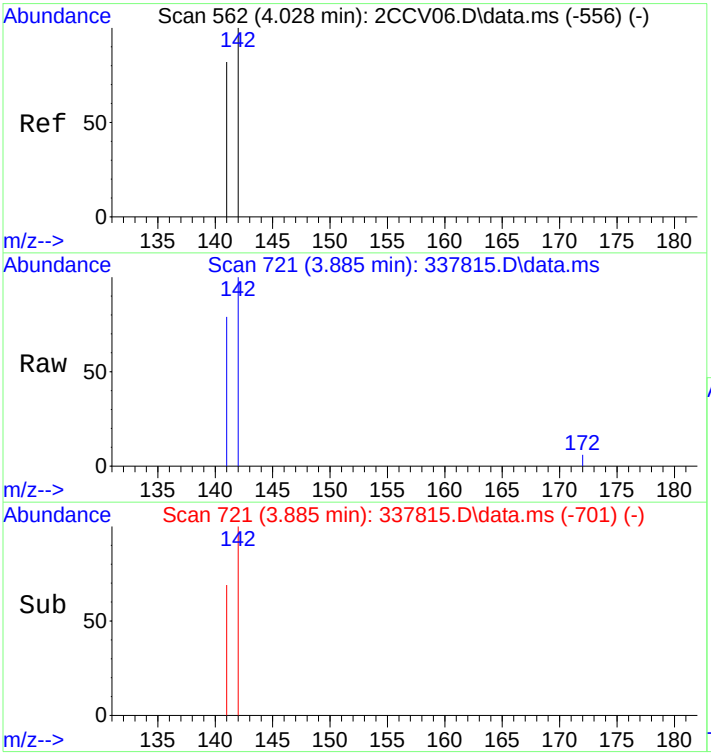


#4
Naphthalene
Concen: 17.32 ng/mL
RT: 3.413 min Scan# 609
Delta R.T. -0.004 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:128 Resp: 1557

Ion	Ratio	Lower	Upper
128	100		
127	98.2	0.0	42.4#

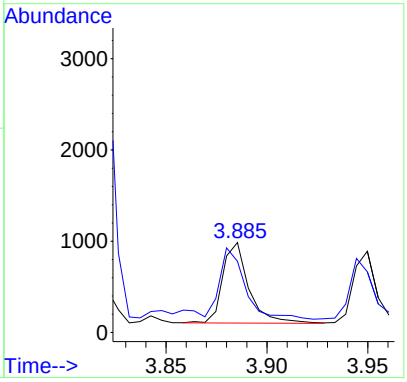


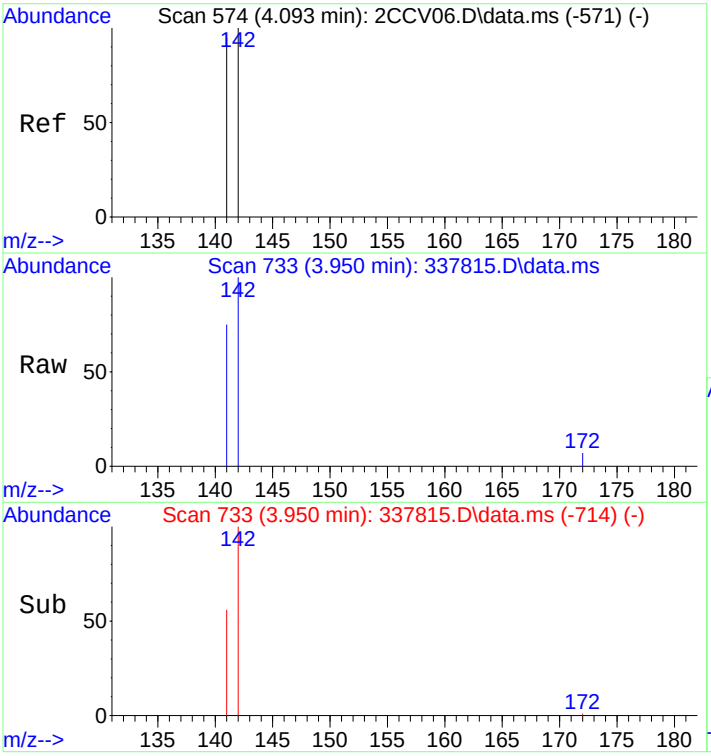


#5
2Methylnaphth
Concen: 15.05 ng/mL
RT: 3.885 min Scan# 721
Delta R.T. 0.005 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:142 Resp: 795

Ion	Ratio	Lower	Upper
142	100		
141	74.0	51.8	111.8

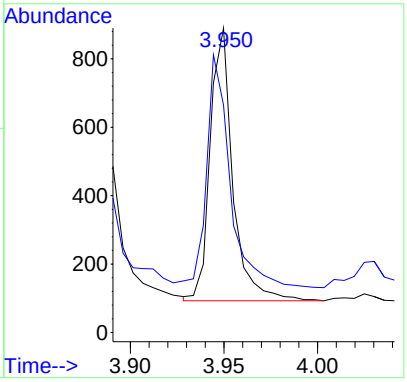


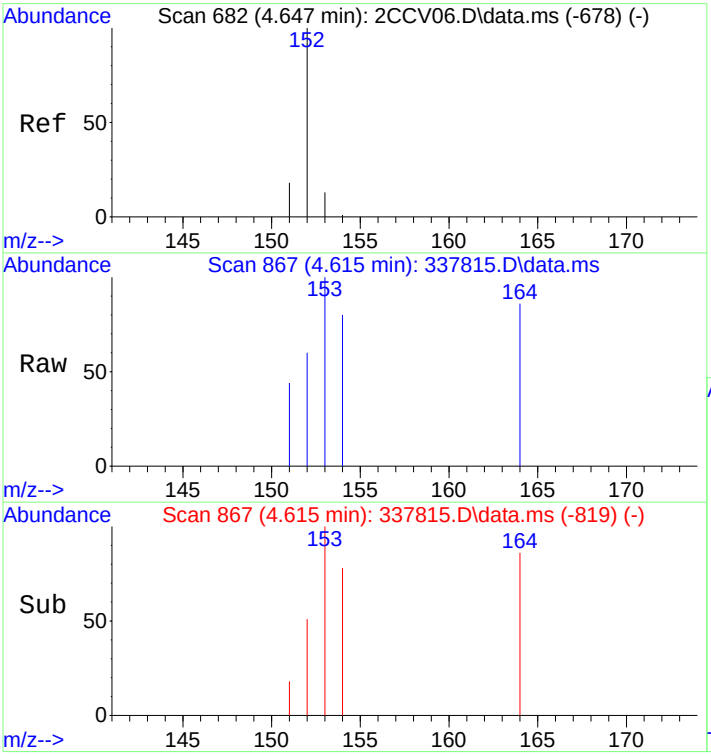


#6
1Methylnaphth
Concen: 9.74 ng/mL
RT: 3.950 min Scan# 733
Delta R.T. 0.000 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:142 Resp: 667

Ion	Ratio	Lower	Upper
142	100		
141	82.0	54.2	114.2

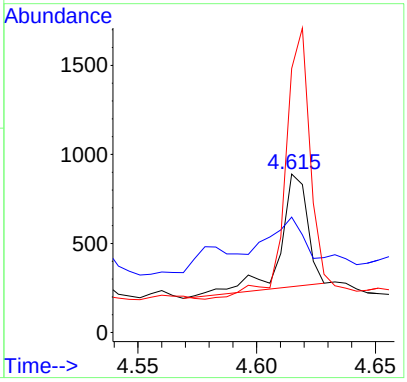


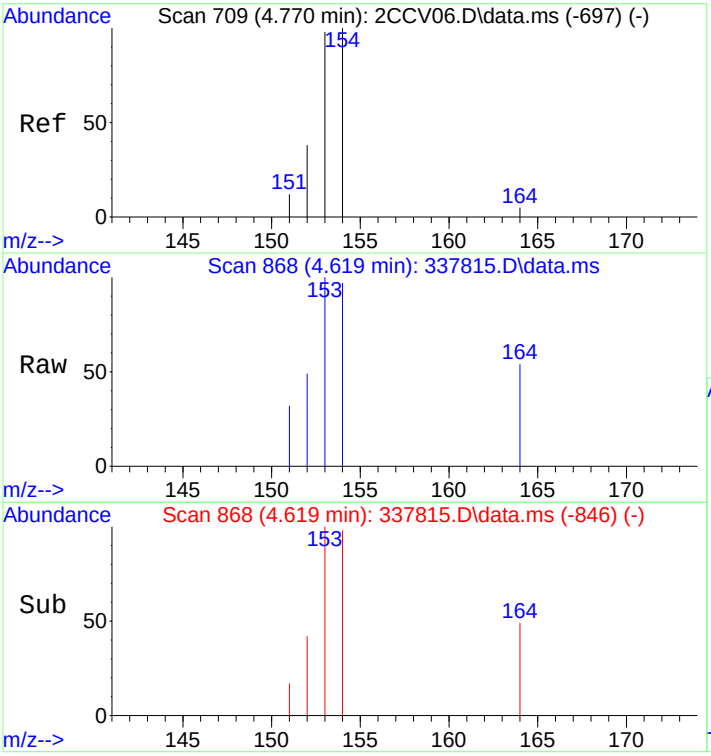


#9
Acnaphthylene
Concen: 6.51 ng/mL
RT: 4.615 min Scan# 867
Delta R.T. 0.119 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:152 Resp: 512

Ion	Ratio	Lower	Upper
152	100		
151	44.7	0.0	47.7
153	183.2	0.0	44.6#

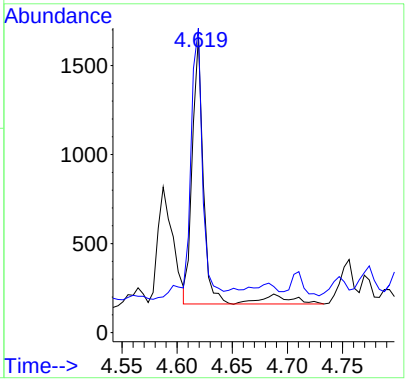


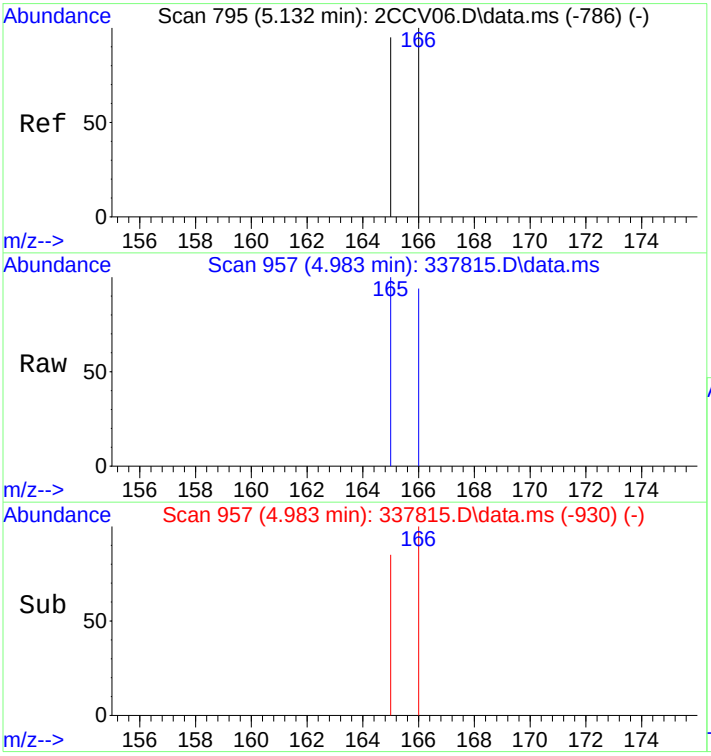


#10
Acenaphthene
Concen: 19.11 ng/mL
RT: 4.619 min Scan# 868
Delta R.T. 0.000 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:154 Resp: 1131

Ion	Ratio	Lower	Upper
154	100		
153	99.2	84.6	144.6

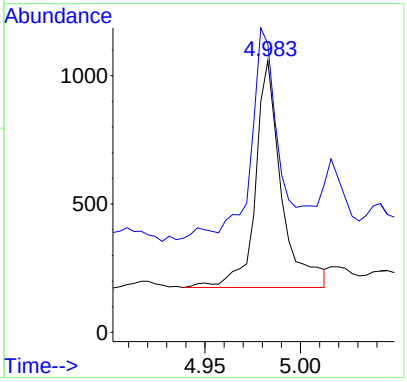


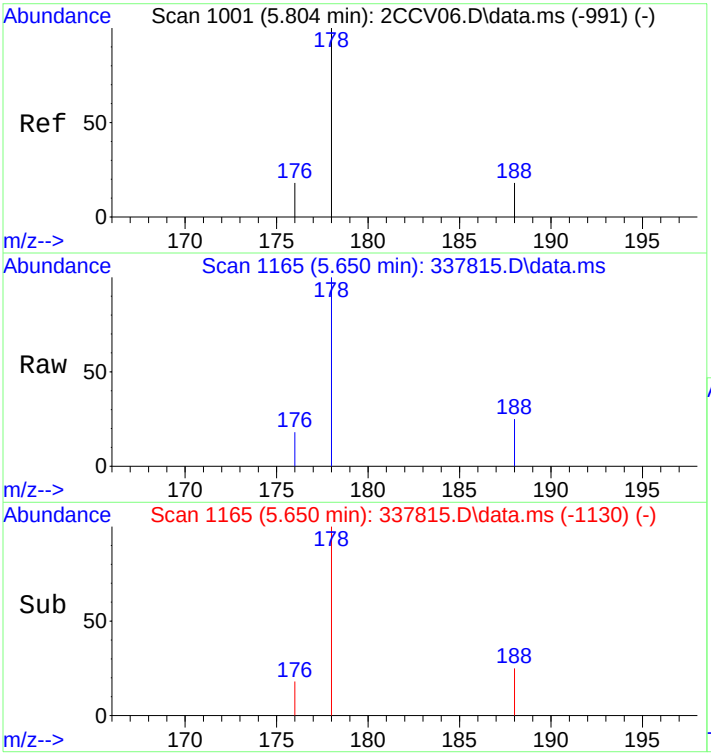


#11
Fluorene
Concen: 12.86 ng/mL
RT: 4.983 min Scan# 957
Delta R.T. 0.000 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:166 Resp: 836

Ion	Ratio	Lower	Upper
166	100		
165	85.7	47.7	107.7

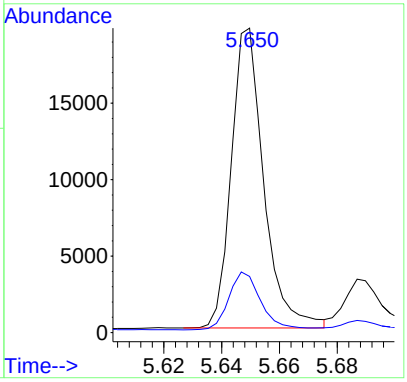


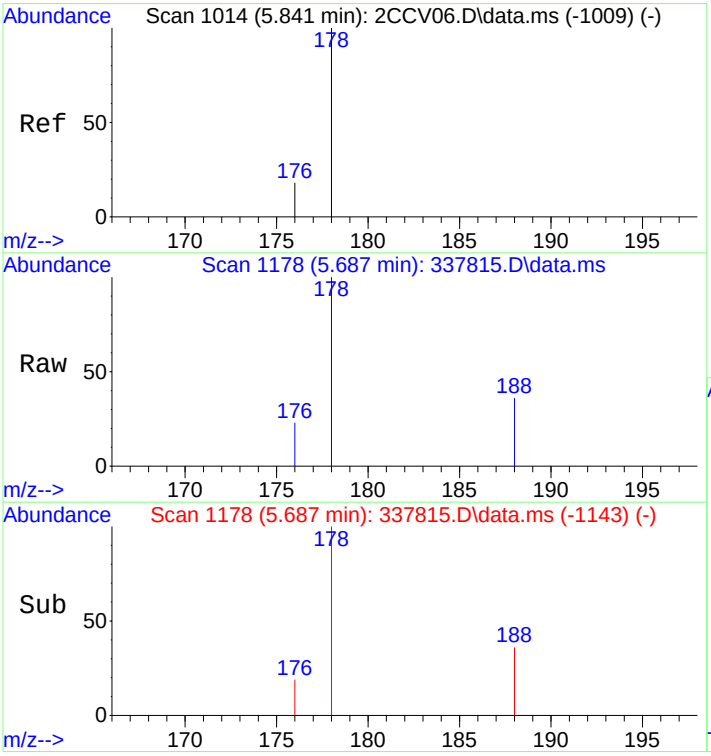


#13
Phenanthrene
Concen: 156.51 ng/mL
RT: 5.650 min Scan# 1165
Delta R.T. 0.000 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:178 Resp: 15304

Ion	Ratio	Lower	Upper
178	100		
176	17.8	0.0	49.2

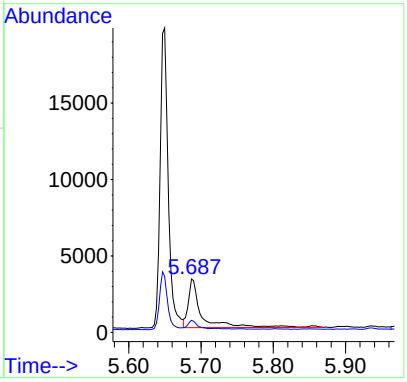


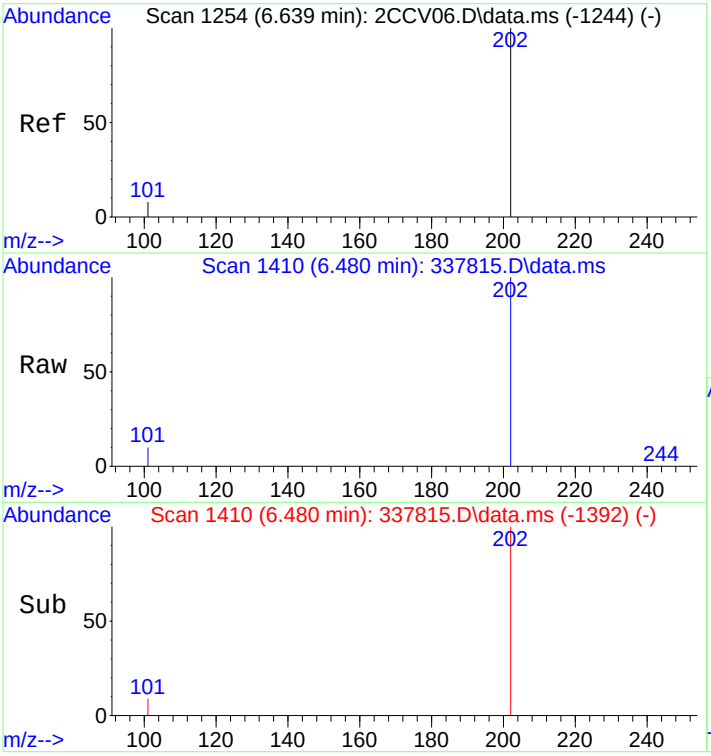


#14
Anthracene
Concen: 36.42 ng/mL
RT: 5.687 min Scan# 1178
Delta R.T. 0.000 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:178 Resp: 4144

Ion	Ratio	Lower	Upper
178	100		
176	18.4	0.0	47.9

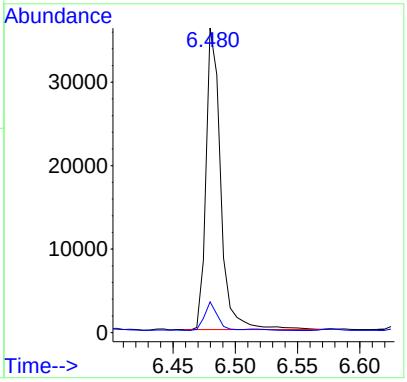


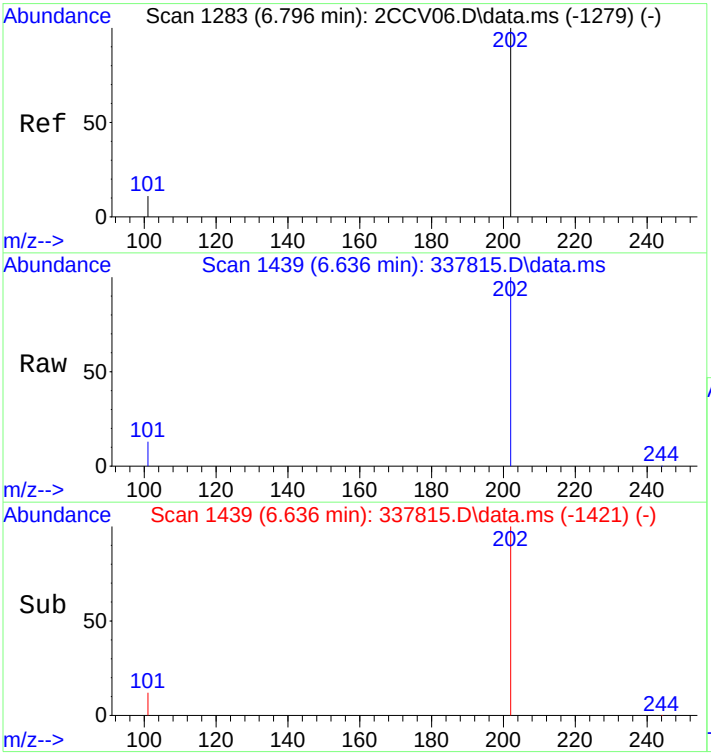


#15
Fluoranthene
Concen: 228.94 ng/mL
RT: 6.480 min Scan# 1410
Delta R.T. -0.005 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:202 Resp: 29635

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	37.5

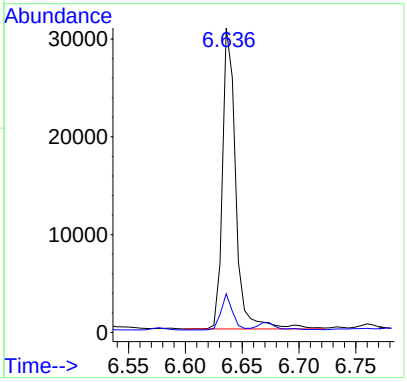


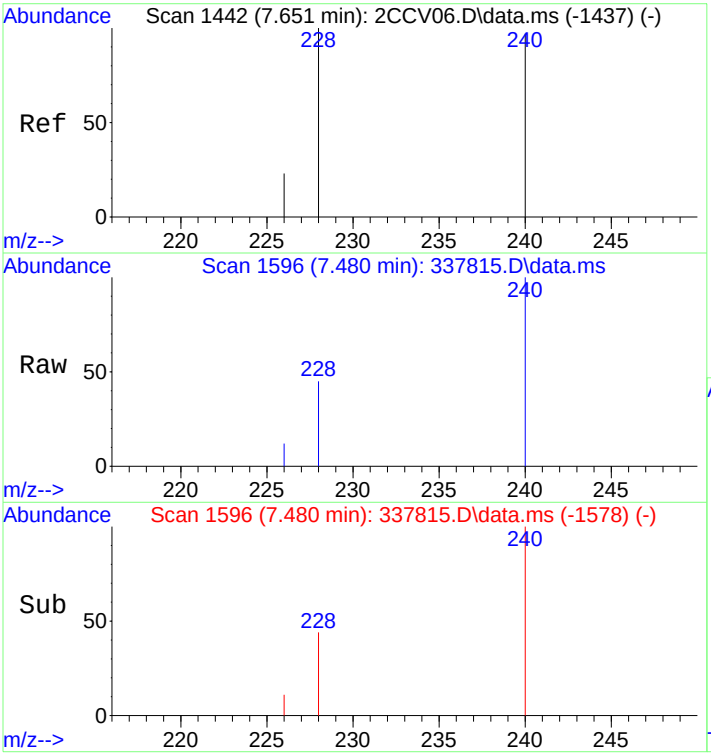


#17
Pyrene
Concen: 175.24 ng/mL
RT: 6.636 min Scan# 1439
Delta R.T. -0.005 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:202 Resp: 25050

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	38.8

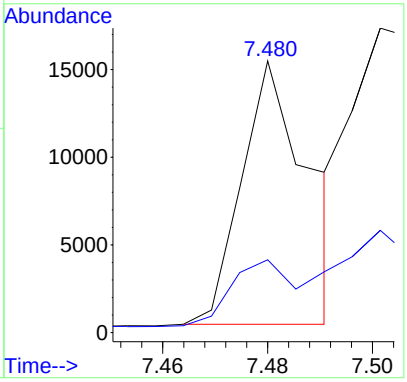


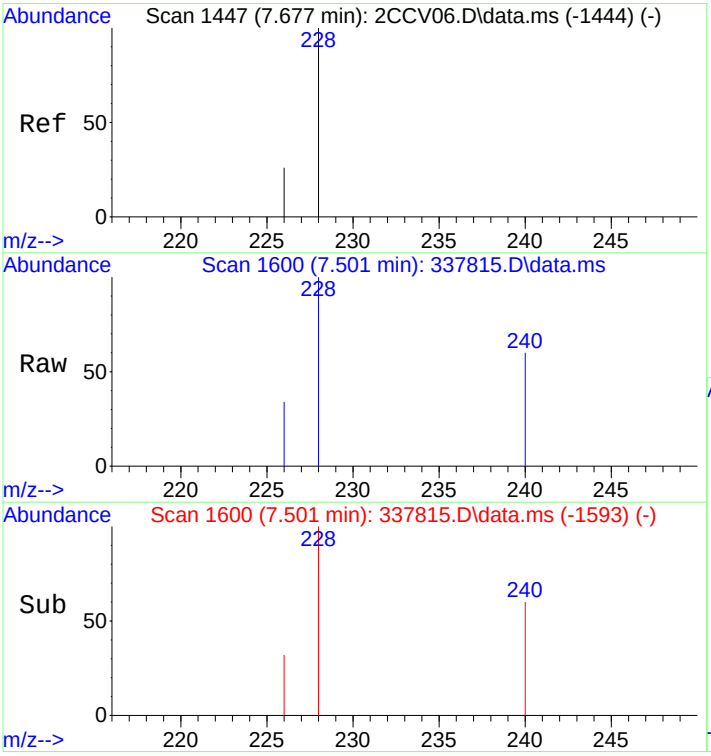


#19
B[a]anthracen
Concen: 151.11 ng/mL
RT: 7.480 min Scan# 1596
Delta R.T. -0.005 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:228 Resp: 13324

Ion	Ratio	Lower	Upper
228	100		
226	25.1	0.0	58.4

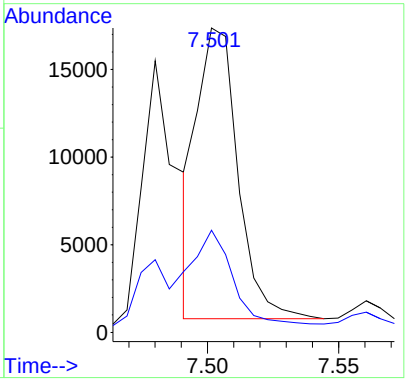


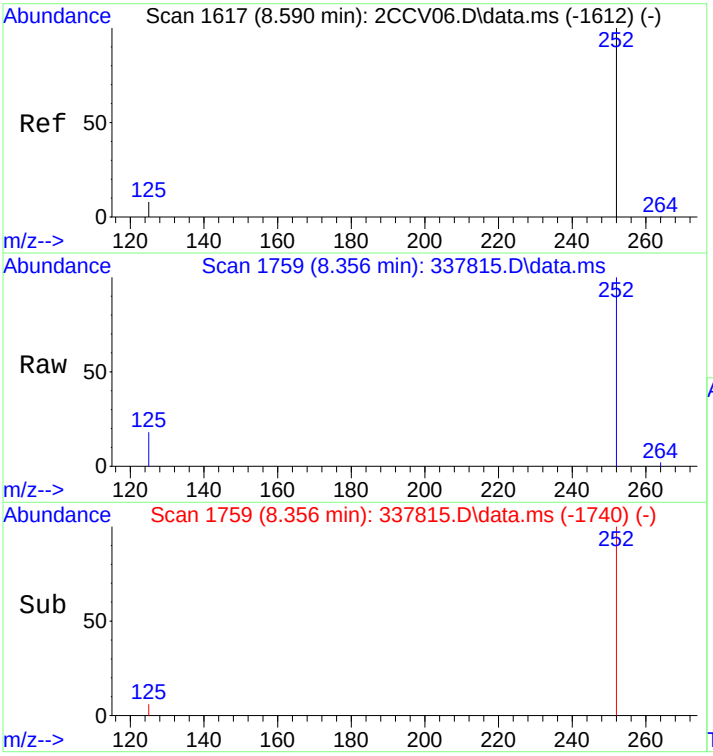


#20
Chrysene
Concen: 132.38 ng/mL
RT: 7.501 min Scan# 1600
Delta R.T. -0.005 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:228 Resp: 18022

Ion	Ratio	Lower	Upper
228	100		
226	32.3	0.0	57.2

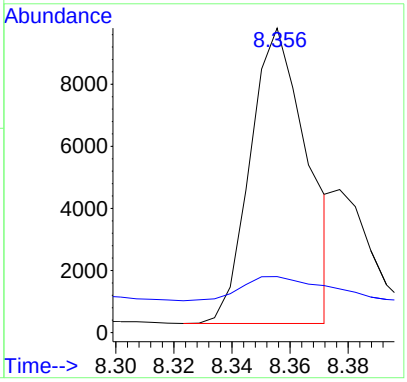


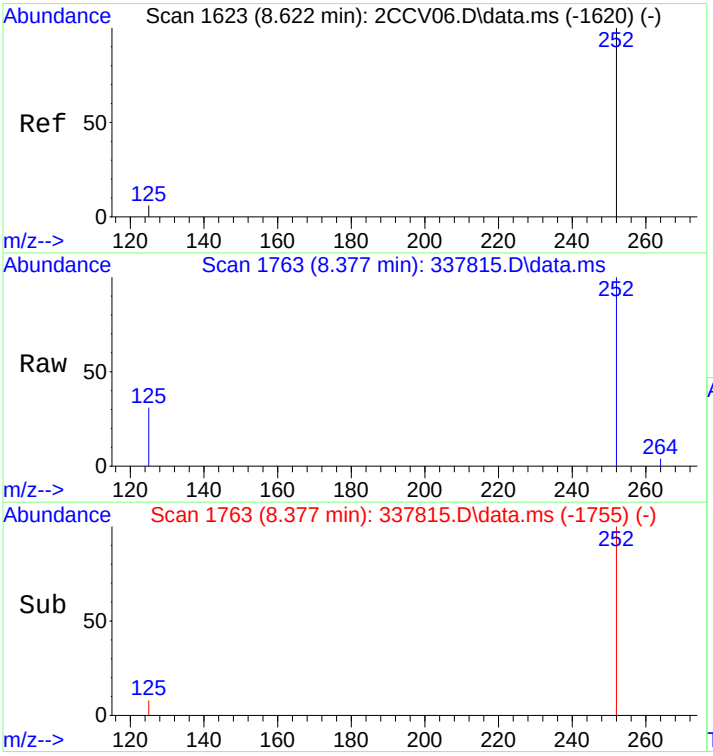


#22
B[b]fluoranth
Concen: 148.76 ng/mL
RT: 8.356 min Scan# 1759
Delta R.T. 0.000 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:252 Resp: 12994

Ion	Ratio	Lower	Upper
252	100		
125	8.2	0.0	37.8

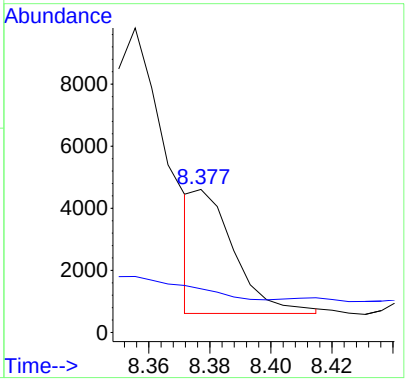


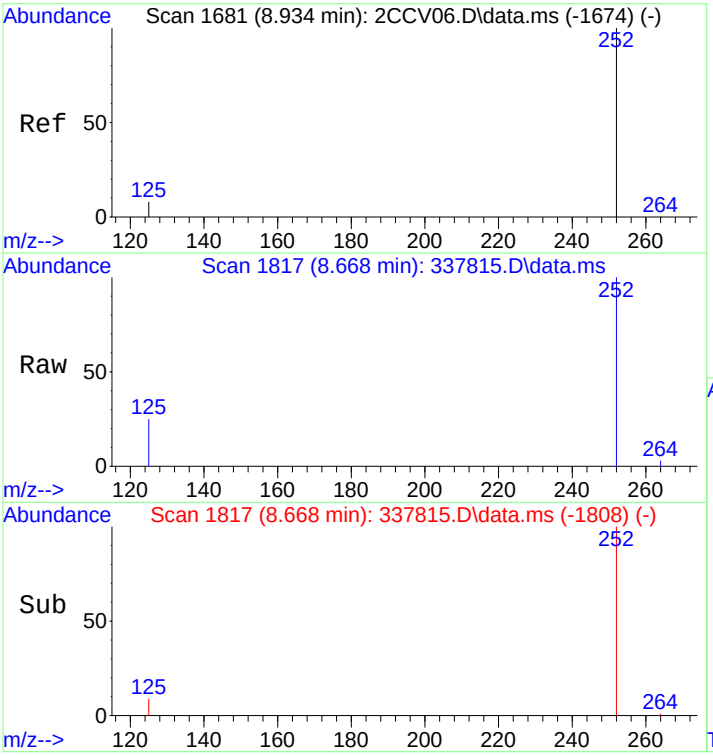


#23
B[k]fluoranth
Concen: 29.42 ng/mL m
RT: 8.377 min Scan# 1763
Delta R.T. -0.005 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:252 Resp: 3706

Ion	Ratio	Lower	Upper
252	100		
125	30.6	0.0	37.7

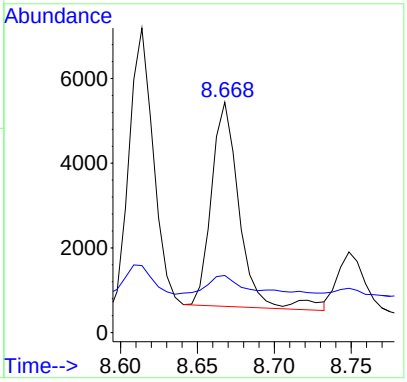


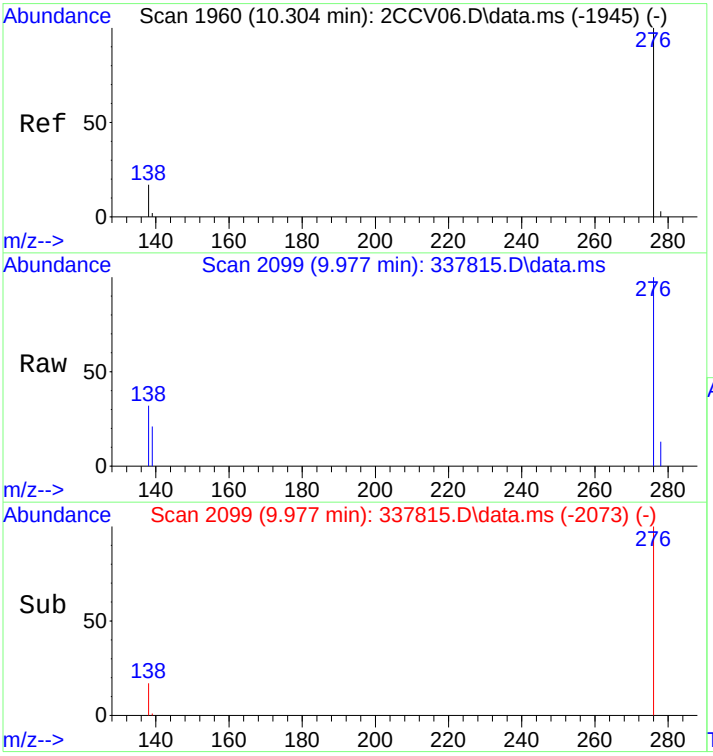


#24
Benz[a]pyrene
Concen: 65.14 ng/mL
RT: 8.668 min Scan# 1817
Delta R.T. 0.000 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:252 Resp: 6109

Ion	Ratio	Lower	Upper
252	100		
125	8.7	0.0	39.1

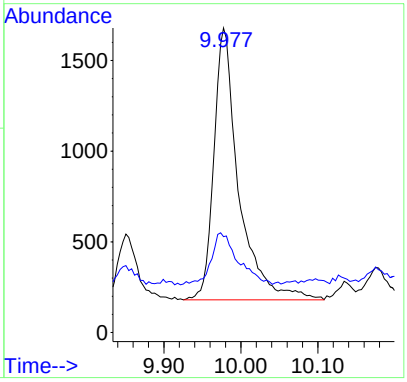


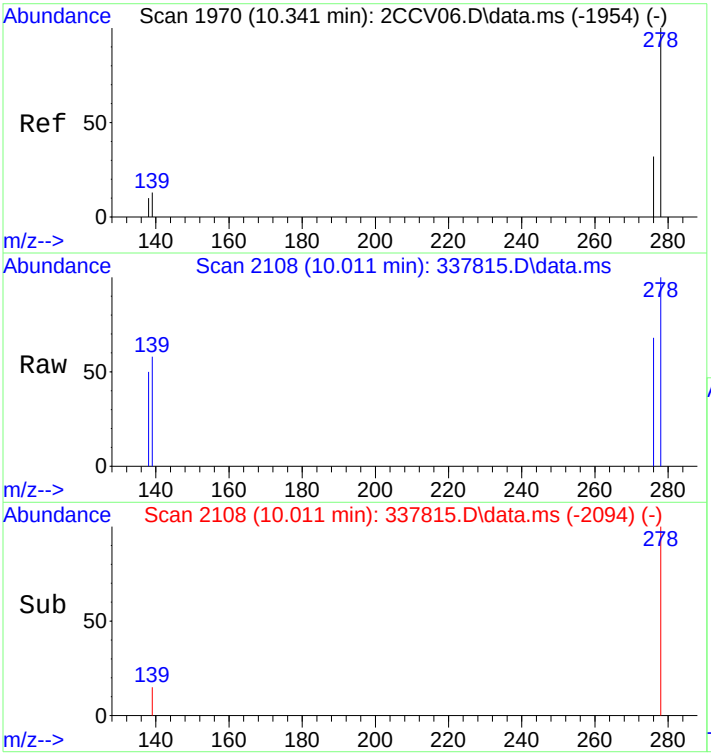


#25
Indeno-pyrene
Concen: 49.45 ng/mL
RT: 9.977 min Scan# 2099
Delta R.T. -0.004 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:276 Resp: 3354

Ion	Ratio	Lower	Upper
276	100		
138	17.4	0.0	48.6

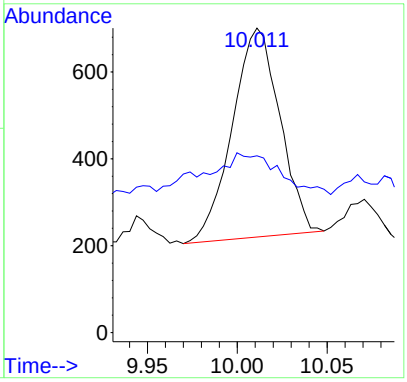


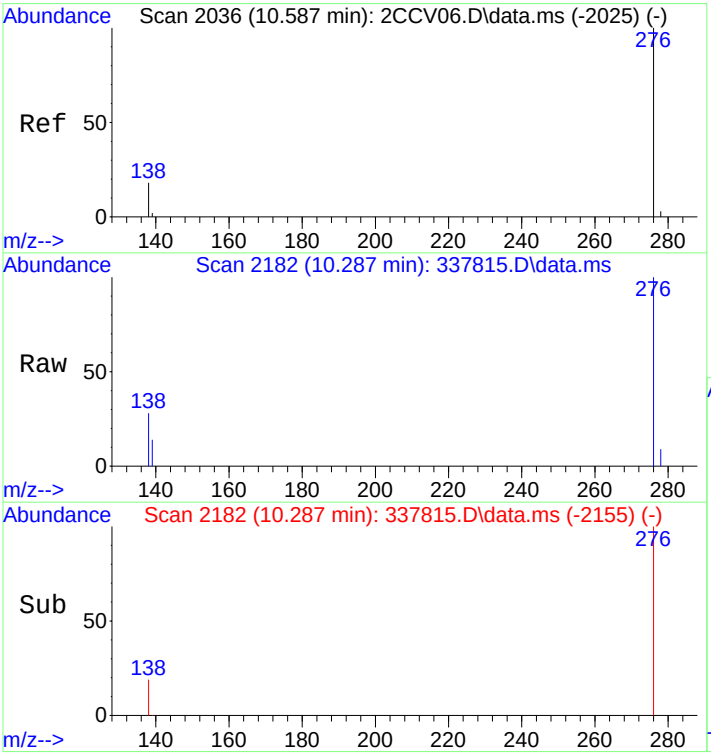


#26
Dib[ah]anthr
Concen: 18.28 ng/mL
RT: 10.011 min Scan# 2108
Delta R.T. -0.007 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:278 Resp: 889

Ion	Ratio	Lower	Upper
278	100		
139	15.5	0.0	45.4

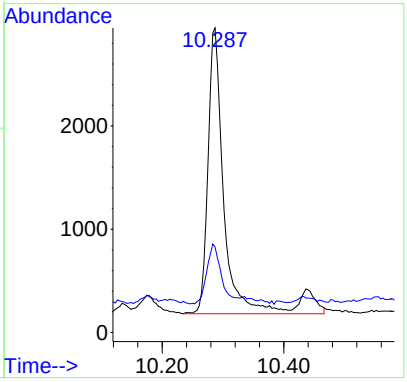


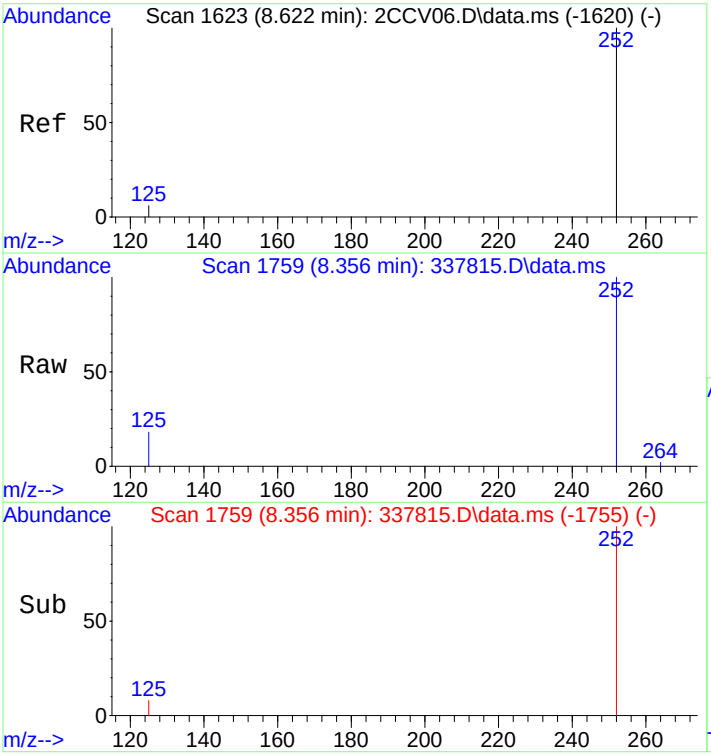


#27
B[ghi]perylen
Concen: 79.39 ng/mL
RT: 10.287 min Scan# 2182
Delta R.T. 0.000 min
Lab File: 337815.D
Acq: 22 Aug 13 3:27 pm

Tgt Ion:276 Resp: 5312

Ion	Ratio	Lower	Upper
276	100		
138	19.2	0.0	50.7

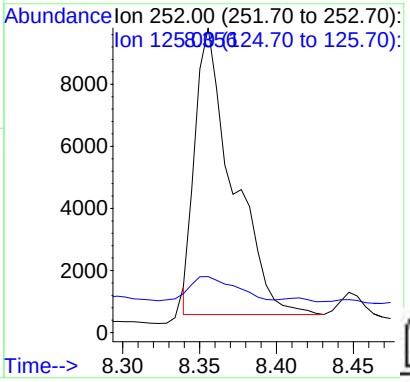




#23
B[k]fluoranth
Concen: 125.63 ng/mL
RT: 8.356 min Scan# 1759
Delta R.T. -0.026 min
Lab File: 337815.D
Acq: 22 Aug 2013 15:27

Tgt Ion:252 Resp: 15824

Ion	Ratio	Lower	Upper
252	100		
125	8.7	0.0	37.7

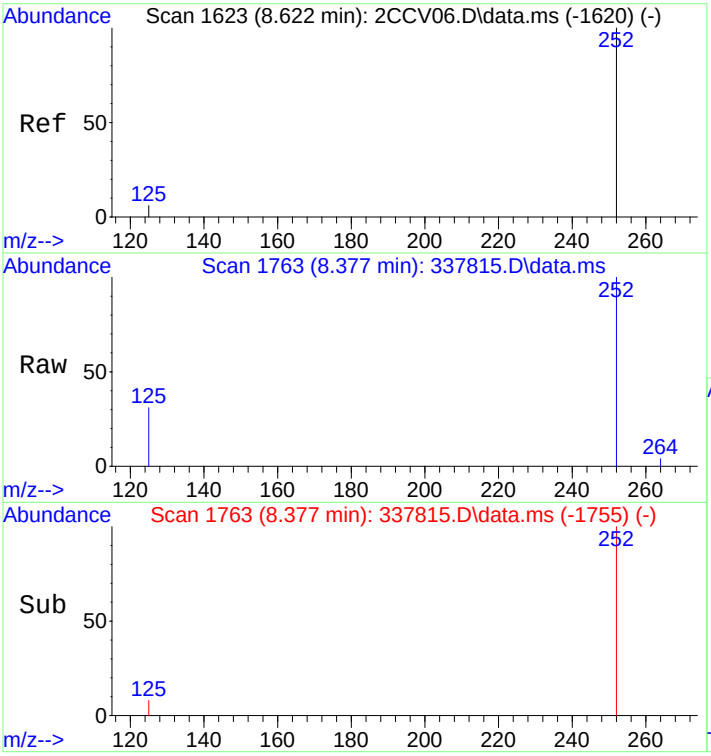


Reason#3

RPN
08/23/13

RPN
08/23/13

Before Manual Integration

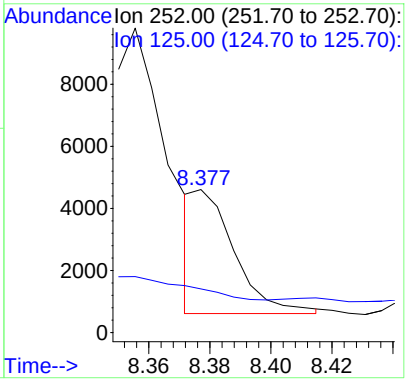


#23
B[k]fluoranth
Concen: 29.42 ng/mL m
RT: 8.377 min Scan# 1763
Delta R.T. -0.005 min
Lab File: 337815.D
Acq: 22 Aug 2013 15:27

Tgt Ion:252 Resp: 3706

Ion	Ratio	Lower	Upper
252	100		
125	30.6	0.0	37.7

RPN
08/23/13



RED
09/04/2013

After Manual Integration

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337818.D Vial: 11
Acq On : 22 Aug 2013 15:46 Operator: RPN
Sample : 96978,337818, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 10:49:22 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 10:32:55 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

MI

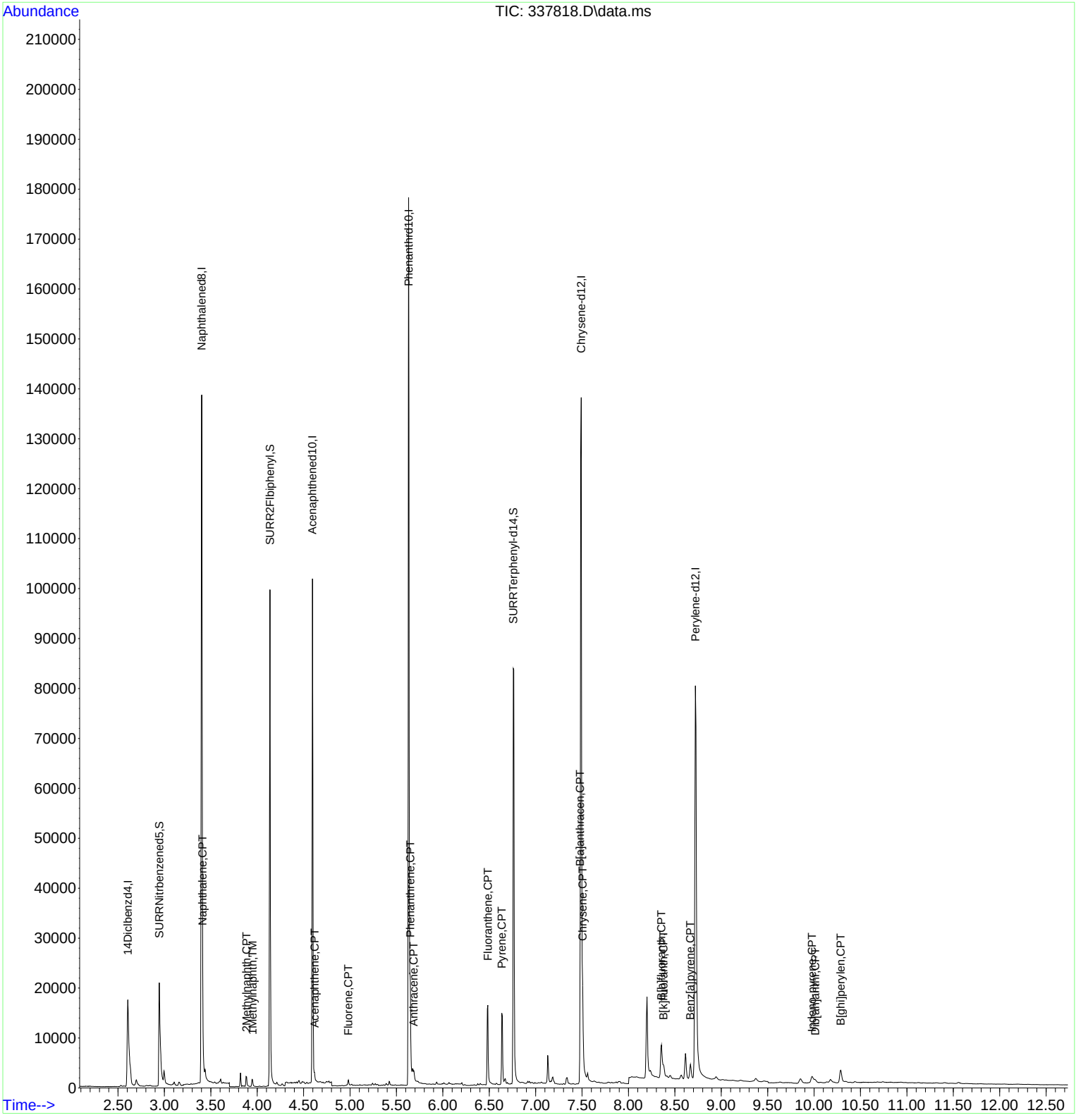
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.605	152	25028	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	105091	1000.00	ng/mL	0.00
7) Acenaphthened10	4.595	164	62999	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	120246	1000.00	ng/mL	0.00
16) Chrysene-d12	7.491	240	116345	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	99991	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.945	82	29334	100.01	%REC	0.00
Spiked Amount 100.000			Recovery = 100.01%			
8) SURR2Flbiphenyl	4.137	172	68382	94.77	%REC	0.00
Spiked Amount 100.000			Recovery = 94.77%			
18) SURRTerphenyl-d14	6.759	244	72451	93.28	ng/mL	0.00
Spiked Amount 100.000			Recovery = 93.28%			
Target Compounds						Qvalue
4) Naphthalene	3.413	128	1730	18.6822	ng/mL#	14
5) 2Methylnaphth	3.885	142	996	18.2940	ng/mL	97
6) 1Methylnaphth	3.950	142	702	9.9529	ng/mL	98
10) Acenaphthene	4.618	154	452	7.3761	ng/mL	86
11) Fluorene	4.982	166	589	8.7519	ng/mL	81
13) Phenanthrene	5.649	178	10371	101.2717	ng/mL	98
14) Anthracene	5.687	178	2413	20.2477	ng/mL	99
15) Fluoranthene	6.485	202	13251	97.7424	ng/mL	98
17) Pyrene	6.636	202	11407	76.7654	ng/mL	90
19) B[a]anthracen	7.480	228	6328	69.0385	ng/mL	97
20) Chrysene	7.507	228	11092	78.3766	ng/mL	99
22) B[b]fluoranth	8.355	252	7997	84.0820	ng/mL	99
23) B[k]fluoranth	8.377	252	2400m	17.4992	ng/mL	
24) Benz[a]pyrene	8.668	252	3060	29.9641	ng/mL	96
25) Indeno-pyrene	9.977	276	2480	33.5801	ng/mL	95
26) Dib[ah]anthr	10.014	278	596	11.2558	ng/mL	96
27) B[ghi]perylen	10.287	276	4108	56.3826	ng/mL	97

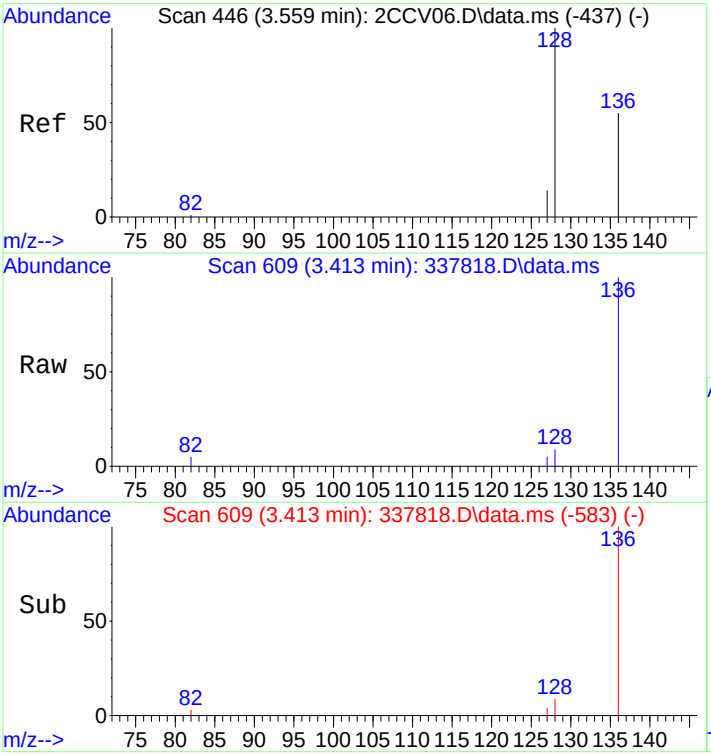
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337818.D Vial: 11
Acq On : 22 Aug 2013 15:46 Operator: RPN
Sample : 96978,337818, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 10:49:22 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 10:32:55 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

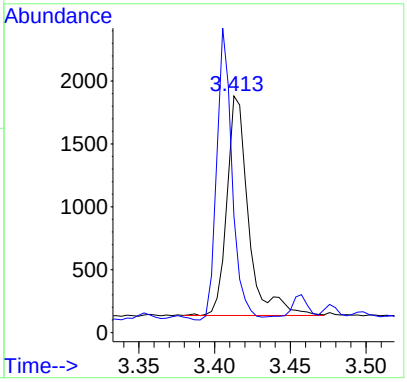


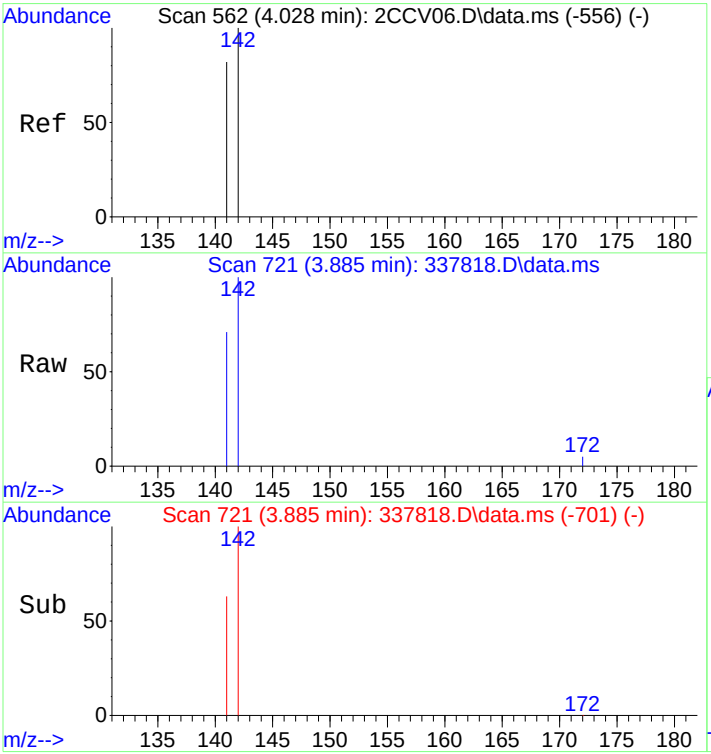


#4
Naphthalene
Concen: 18.68 ng/mL
RT: 3.413 min Scan# 609
Delta R.T. -0.004 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:128 Resp: 1730

Ion	Ratio	Lower	Upper
128	100		
127	46.1	0.0	42.4#

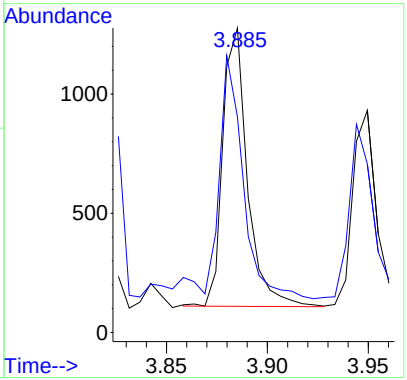


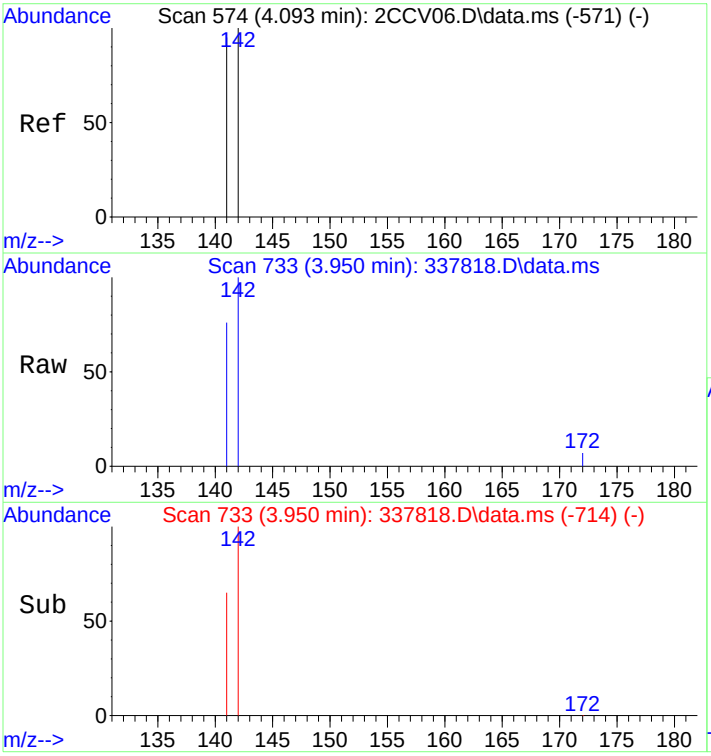


#5
2Methylnaphth
Concen: 18.29 ng/mL
RT: 3.885 min Scan# 721
Delta R.T. 0.005 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:142 Resp: 996

Ion	Ratio	Lower	Upper
142	100		
141	79.1	51.8	111.8

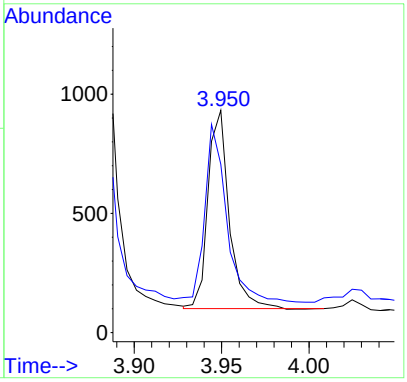


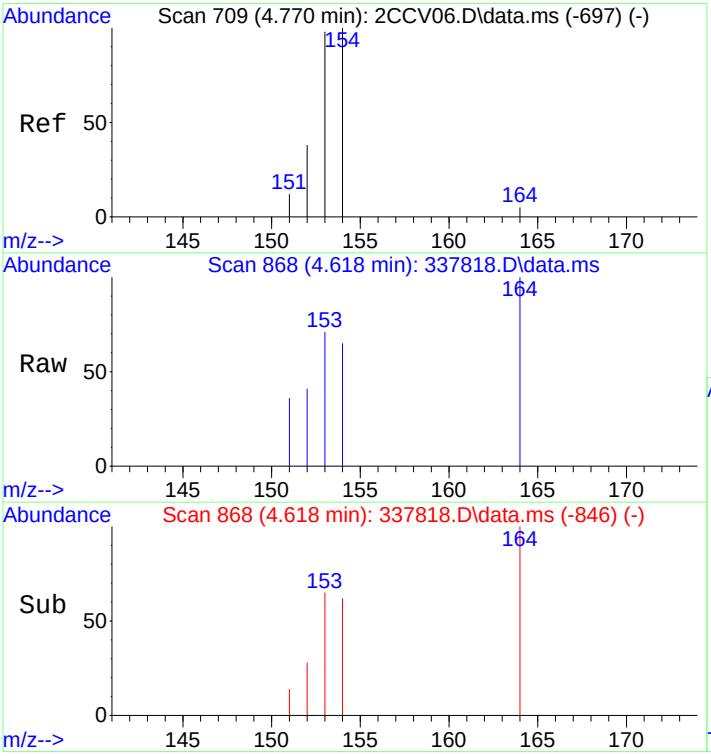


#6
1Methylnaphth
Concen: 9.95 ng/mL
RT: 3.950 min Scan# 733
Delta R.T. -0.000 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:142 Resp: 702

Ion	Ratio	Lower	Upper
142	100		
141	86.3	54.2	114.2

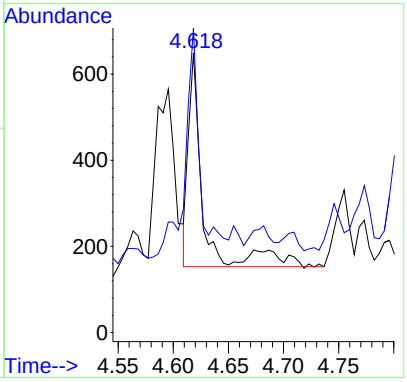


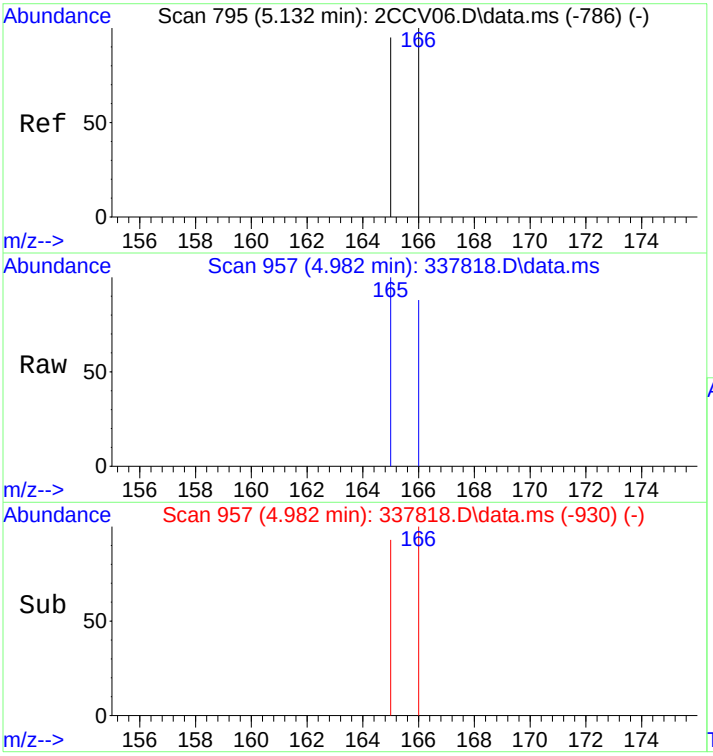


#10
Acenaphthene
Concen: 7.38 ng/mL
RT: 4.618 min Scan# 868
Delta R.T. -0.001 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:154 Resp: 452

Ion	Ratio	Lower	Upper
154	100		
153	99.2	84.6	144.6

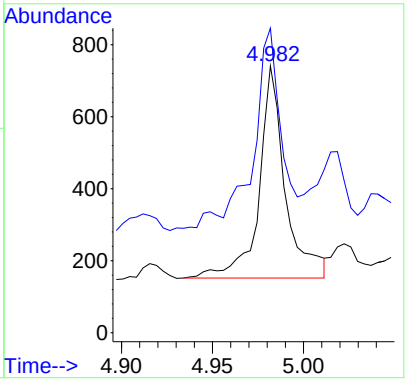


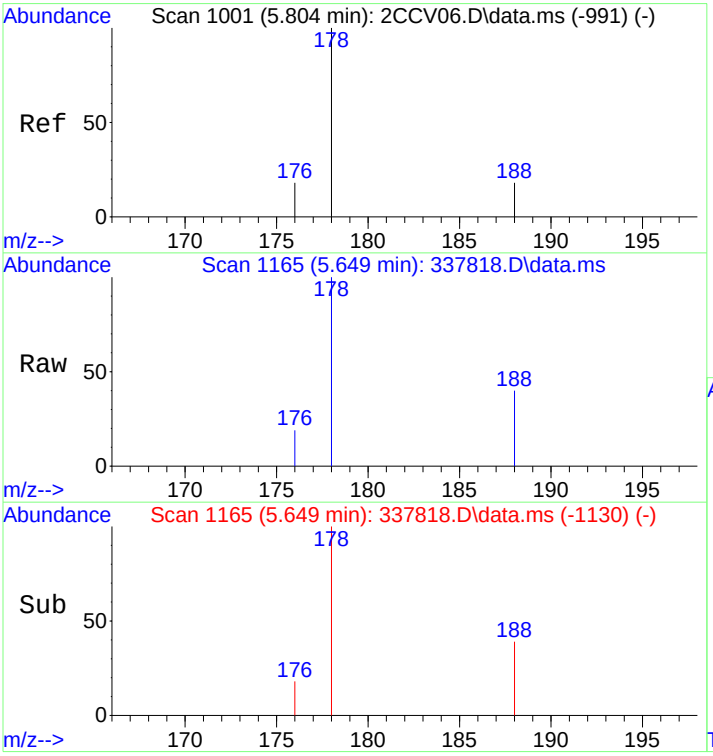


#11
Fluorene
Concen: 8.75 ng/mL
RT: 4.982 min Scan# 957
Delta R.T. -0.001 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:166 Resp: 589

Ion	Ratio	Lower	Upper
166	100		
165	94.4	47.7	107.7

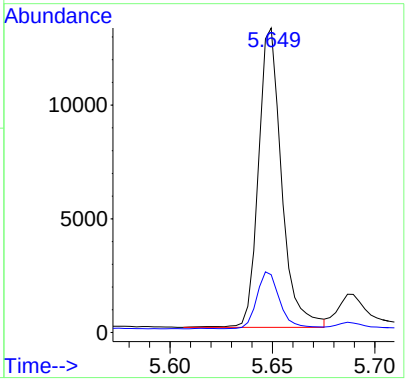


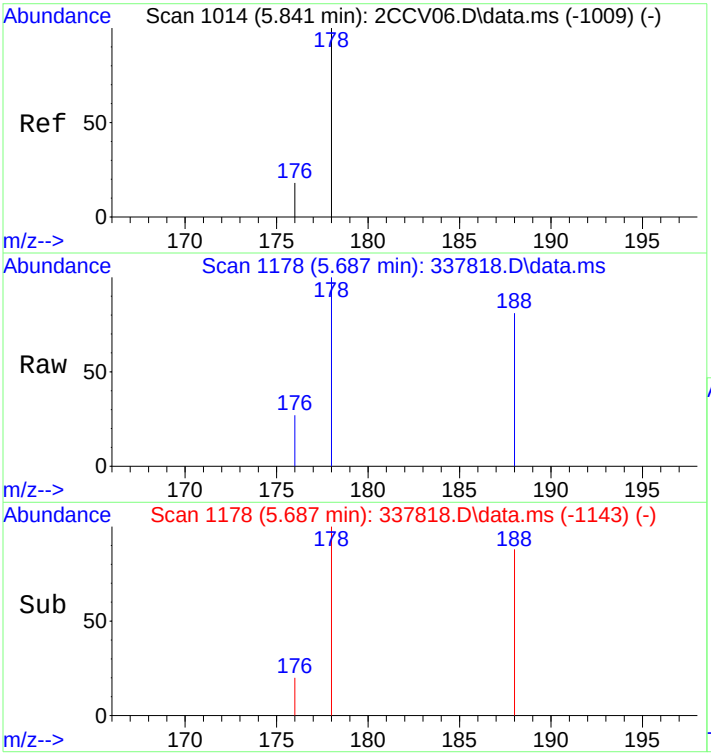


#13
Phenanthrene
Concen: 101.27 ng/mL
RT: 5.649 min Scan# 1165
Delta R.T. -0.000 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:178 Resp: 10371

Ion	Ratio	Lower	Upper
178	100		
176	18.1	0.0	49.2

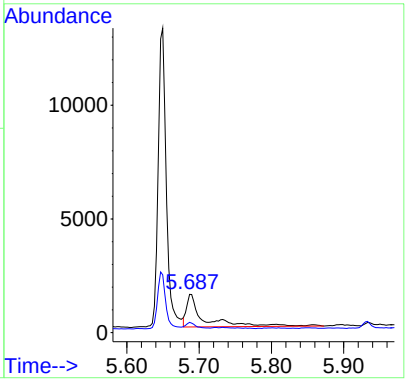


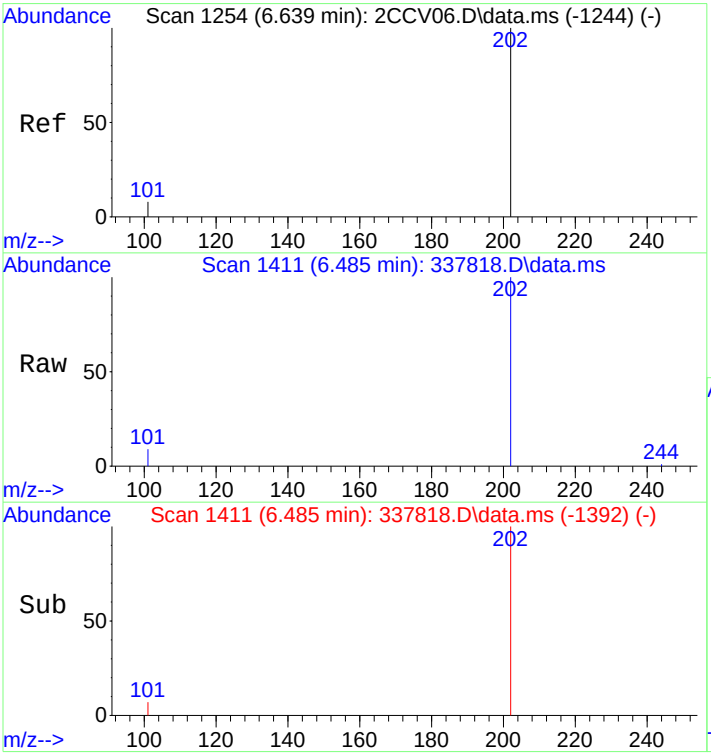


#14
Anthracene
Concen: 20.25 ng/mL
RT: 5.687 min Scan# 1178
Delta R.T. -0.000 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:178 Resp: 2413

Ion	Ratio	Lower	Upper
178	100		
176	18.3	0.0	47.9

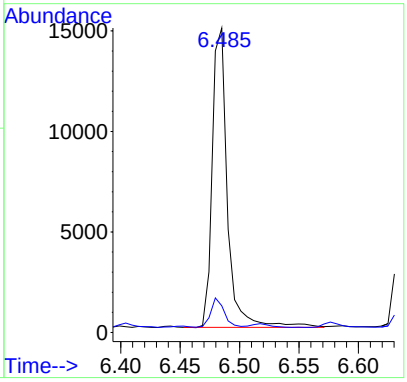


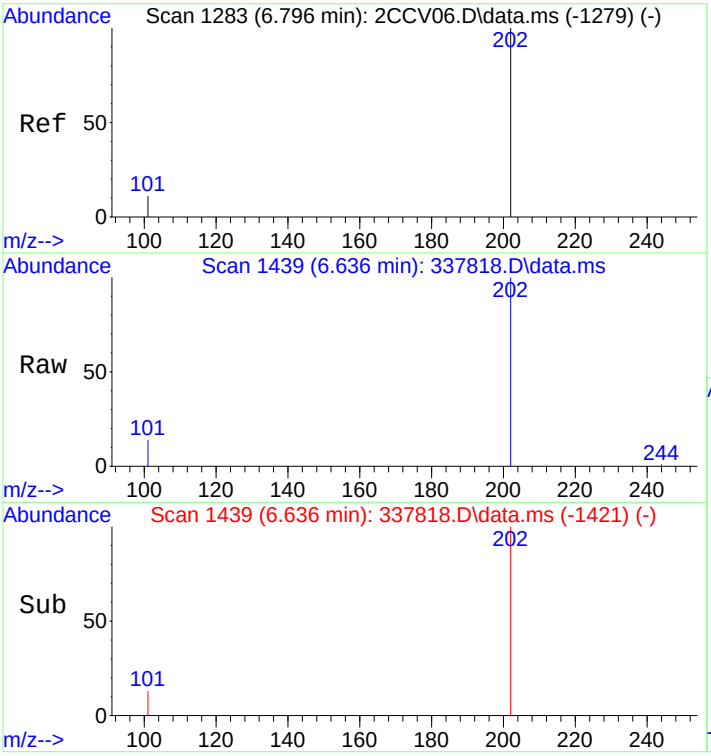


#15
Fluoranthene
Concen: 97.74 ng/mL
RT: 6.485 min Scan# 1411
Delta R.T. -0.000 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:202 Resp: 13251

Ion	Ratio	Lower	Upper
202	100		
101	6.8	0.0	37.5

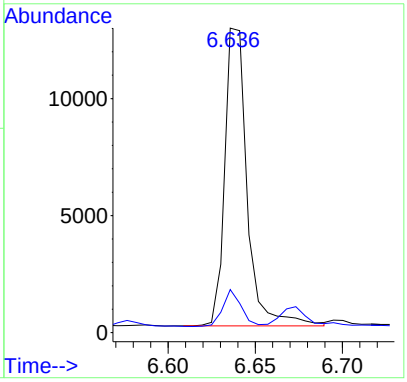


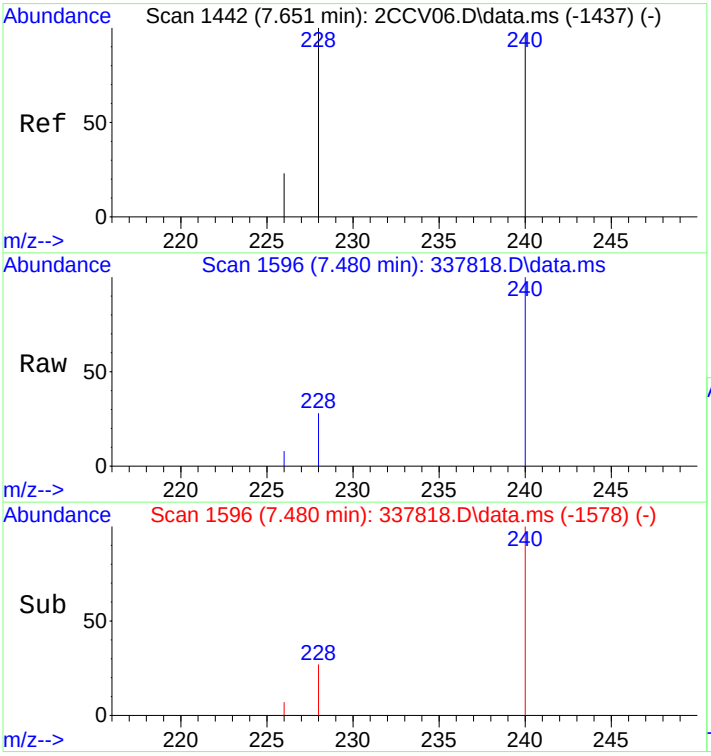


#17
Pyrene
Concen: 76.77 ng/mL
RT: 6.636 min Scan# 1439
Delta R.T. -0.005 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:202 Resp: 11407

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	38.8

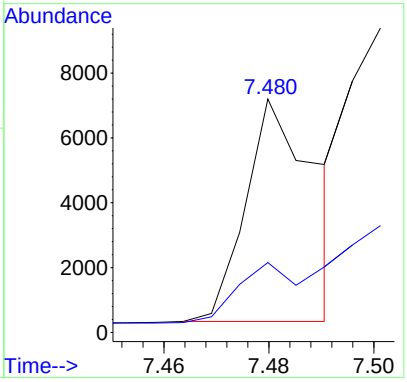


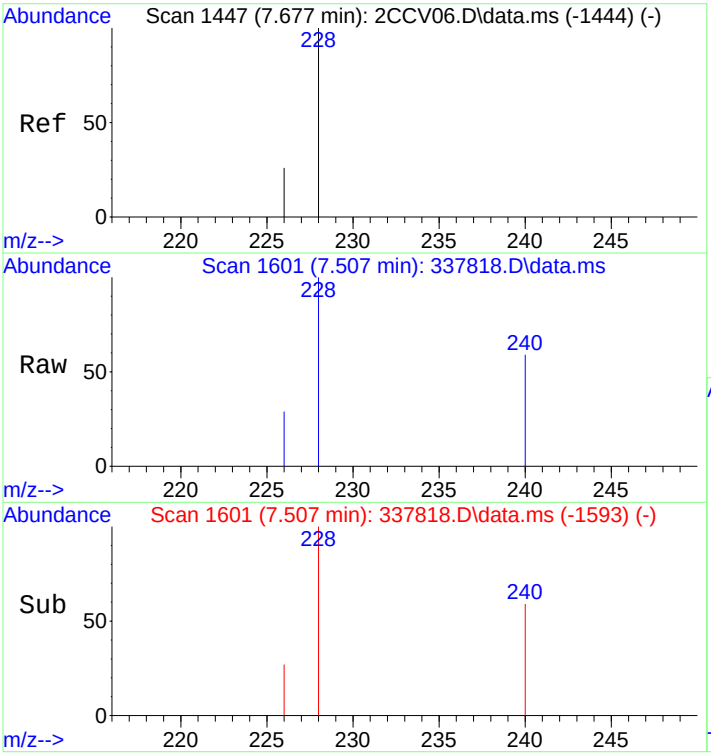


#19
B[a]anthracen
Concen: 69.04 ng/mL
RT: 7.480 min Scan# 1596
Delta R.T. -0.005 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:228 Resp: 6328

Ion	Ratio	Lower	Upper
228	100		
226	27.0	0.0	58.4

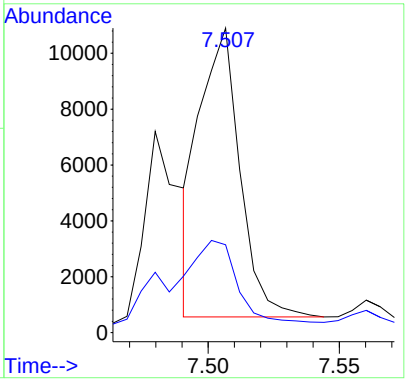


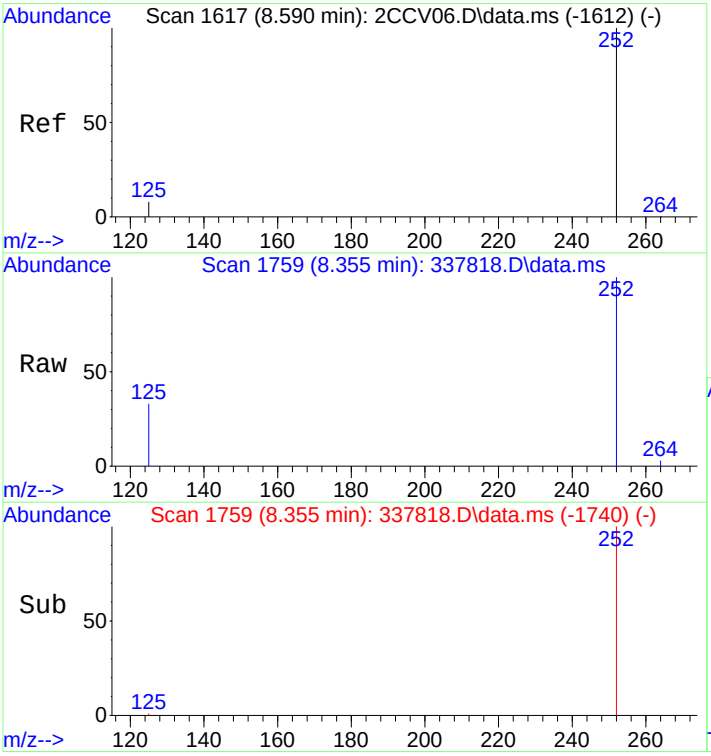


#20
Chrysene
Concen: 78.38 ng/mL
RT: 7.507 min Scan# 1601
Delta R.T. -0.000 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:228 Resp: 11092

Ion	Ratio	Lower	Upper
228	100		
226	26.9	0.0	57.2

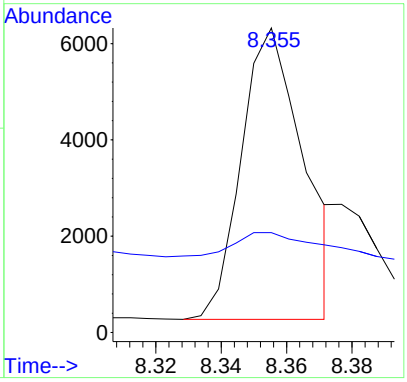


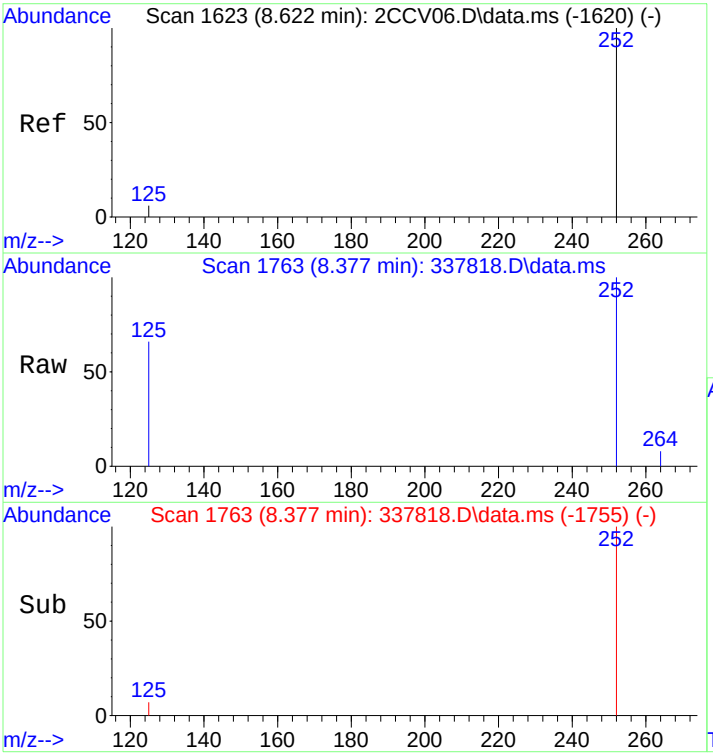


#22
B[b]fluoranth
Concen: 84.08 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. -0.000 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:252 Resp: 7997

Ion	Ratio	Lower	Upper
252	100		
125	8.0	0.0	37.8

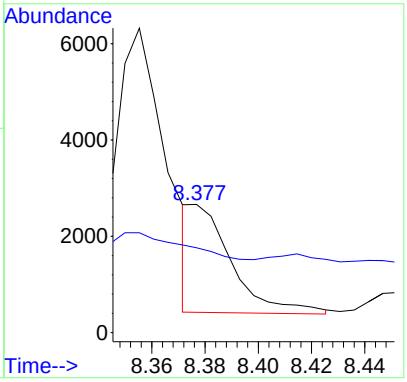


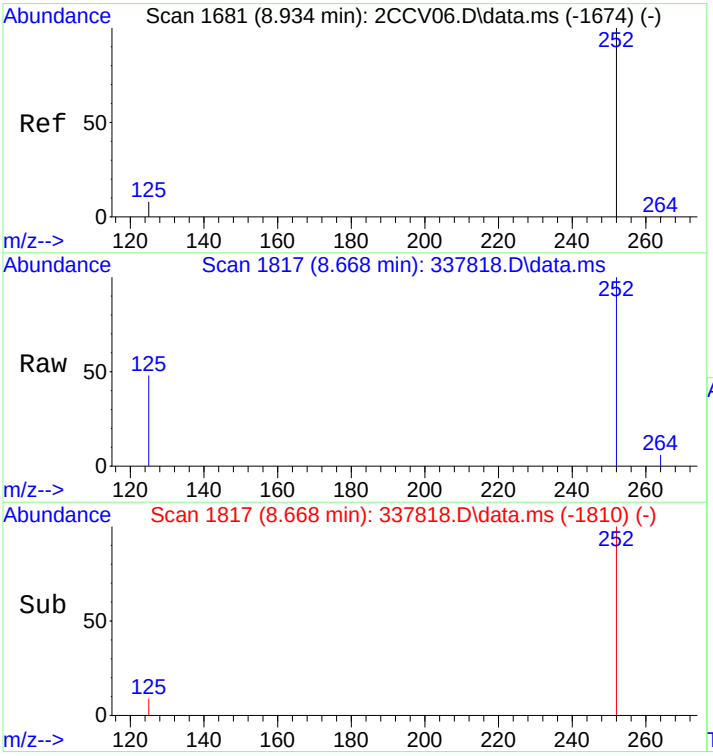


#23
B[k]fluoranth
Concen: 17.50 ng/mL m
RT: 8.377 min Scan# 1763
Delta R.T. -0.006 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:252 Resp: 2400

Ion	Ratio	Lower	Upper
252	100		
125	66.1	0.0	37.7#

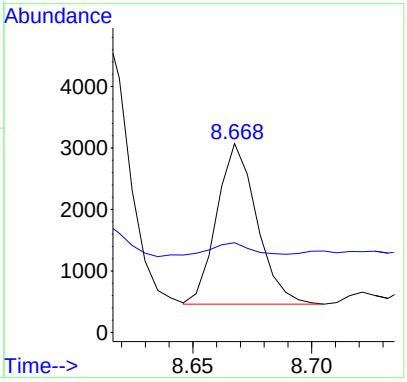


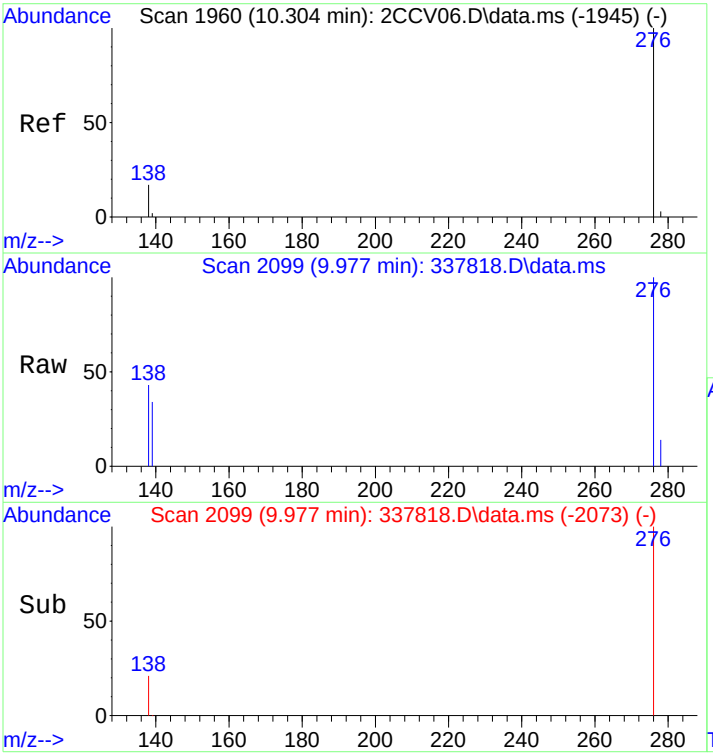


#24
Benz[a]pyrene
Concen: 29.96 ng/mL
RT: 8.668 min Scan# 1817
Delta R.T. -0.000 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:252 Resp: 3060

Ion	Ratio	Lower	Upper
252	100		
125	7.7	0.0	39.1

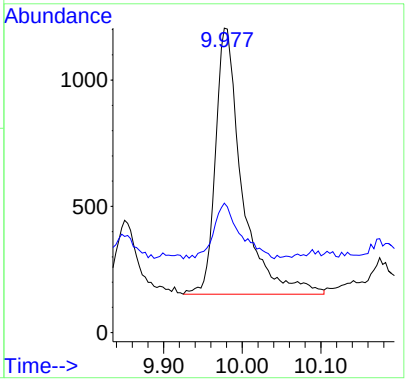


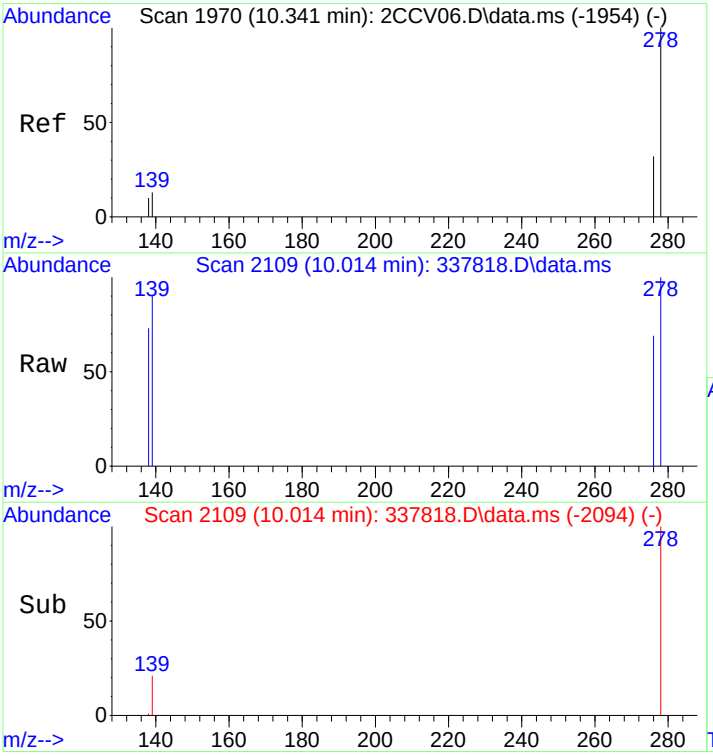


#25
Indeno-pyrene
Concen: 33.58 ng/mL
RT: 9.977 min Scan# 2099
Delta R.T. -0.004 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:276 Resp: 2480

Ion	Ratio	Lower	Upper
276	100		
138	21.0	0.0	48.6

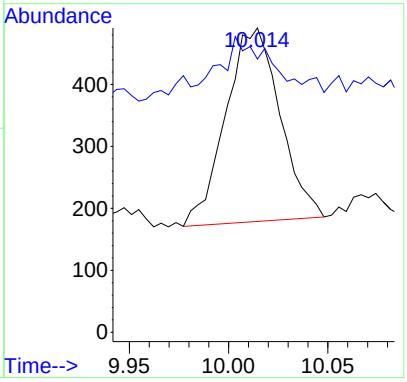


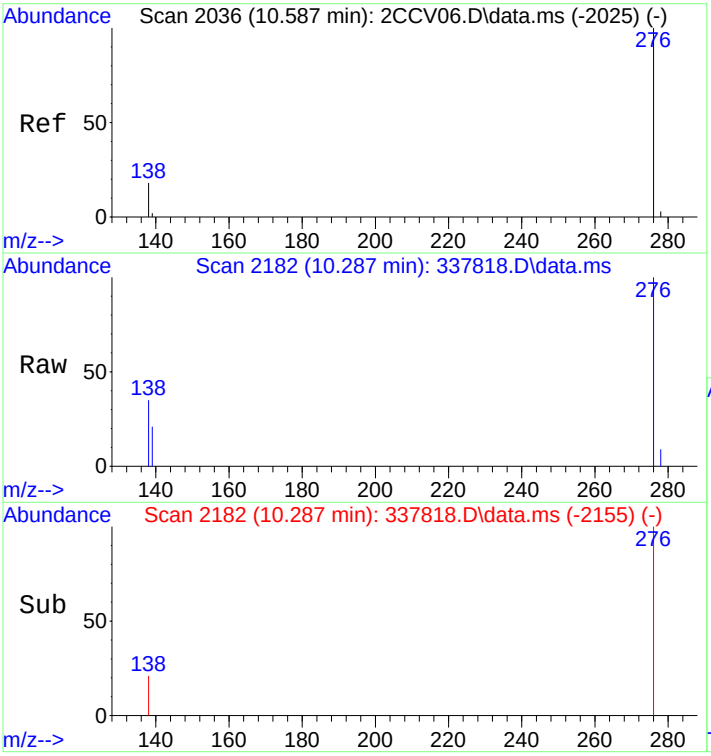


#26
Dib[ah]anthr
Concen: 11.26 ng/mL
RT: 10.014 min Scan# 2109
Delta R.T. -0.004 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:278 Resp: 596

Ion	Ratio	Lower	Upper
278	100		
139	16.9	0.0	45.4

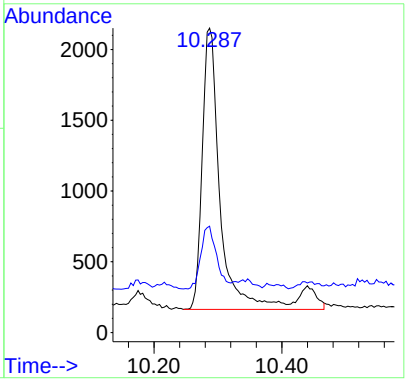


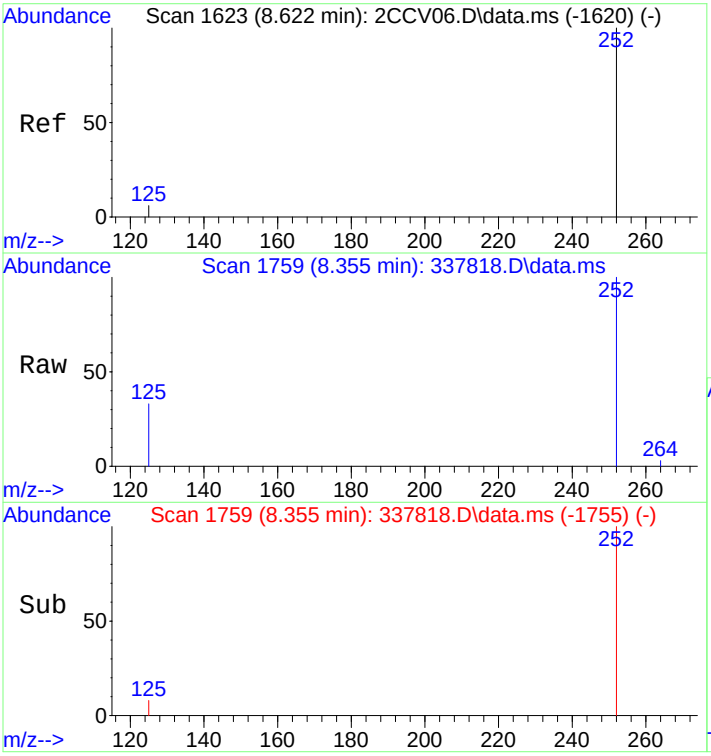


#27
B[ghi]perylen
Concen: 56.38 ng/mL
RT: 10.287 min Scan# 2182
Delta R.T. -0.000 min
Lab File: 337818.D
Acq: 22 Aug 13 3:46 pm

Tgt Ion:276 Resp: 4108

Ion	Ratio	Lower	Upper
276	100		
138	22.3	0.0	50.7

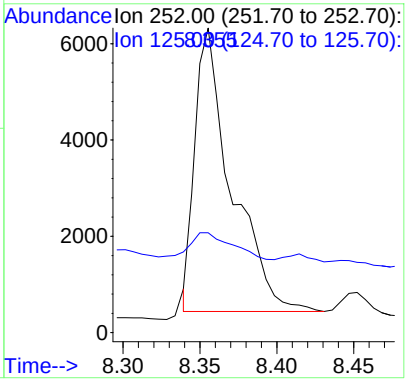




#23
B[k]fluoranth
Concen: 70.97 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. -0.027 min
Lab File: 337818.D
Acq: 22 Aug 2013 15:46

Tgt Ion:252 Resp: 9733

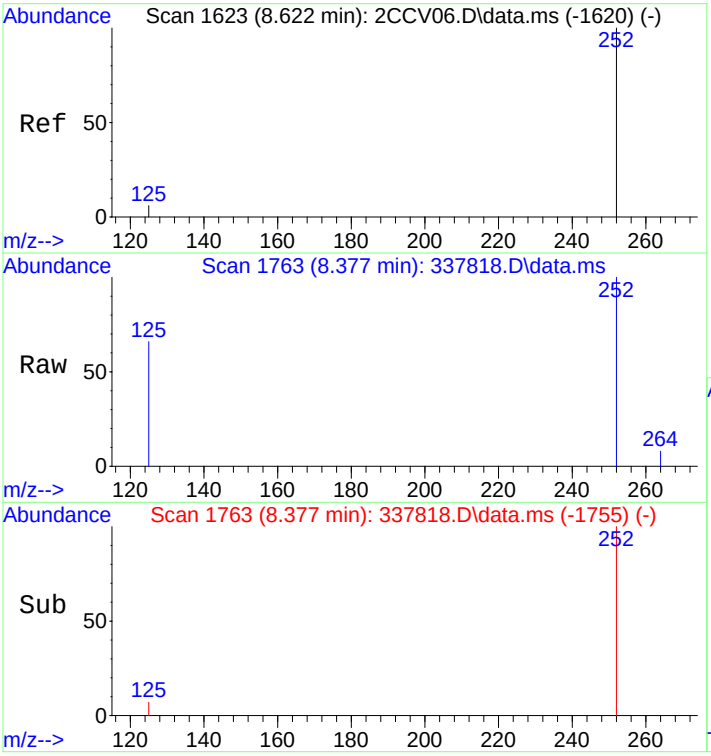
Ion	Ratio	Lower	Upper
252	100		
125	10.2	0.0	37.7



Reason#3

RPN
08/23/13

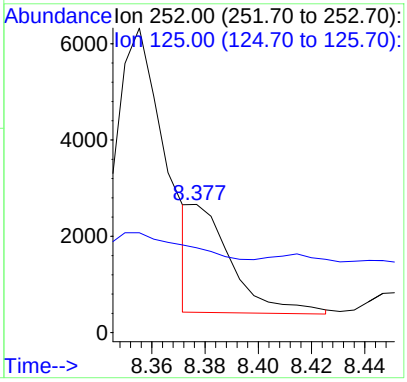
Before Manual Integration



#23
B[k]fluoranth
Concen: 17.50 ng/mL m
RT: 8.377 min Scan# 1763
Delta R.T. -0.006 min
Lab File: 337818.D
Acq: 22 Aug 2013 15:46

Tgt Ion:252 Resp: 2400

Ion	Ratio	Lower	Upper
252	100		
125	66.1	0.0	37.7#



RPN
08/23/13

RED
09/04/2013

After Manual Integration

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337820.D Vial: 12
Acq On : 22 Aug 2013 16:06 Operator: RPN
Sample : 96978,337820, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 10:56:03 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 10:54:54 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

MI

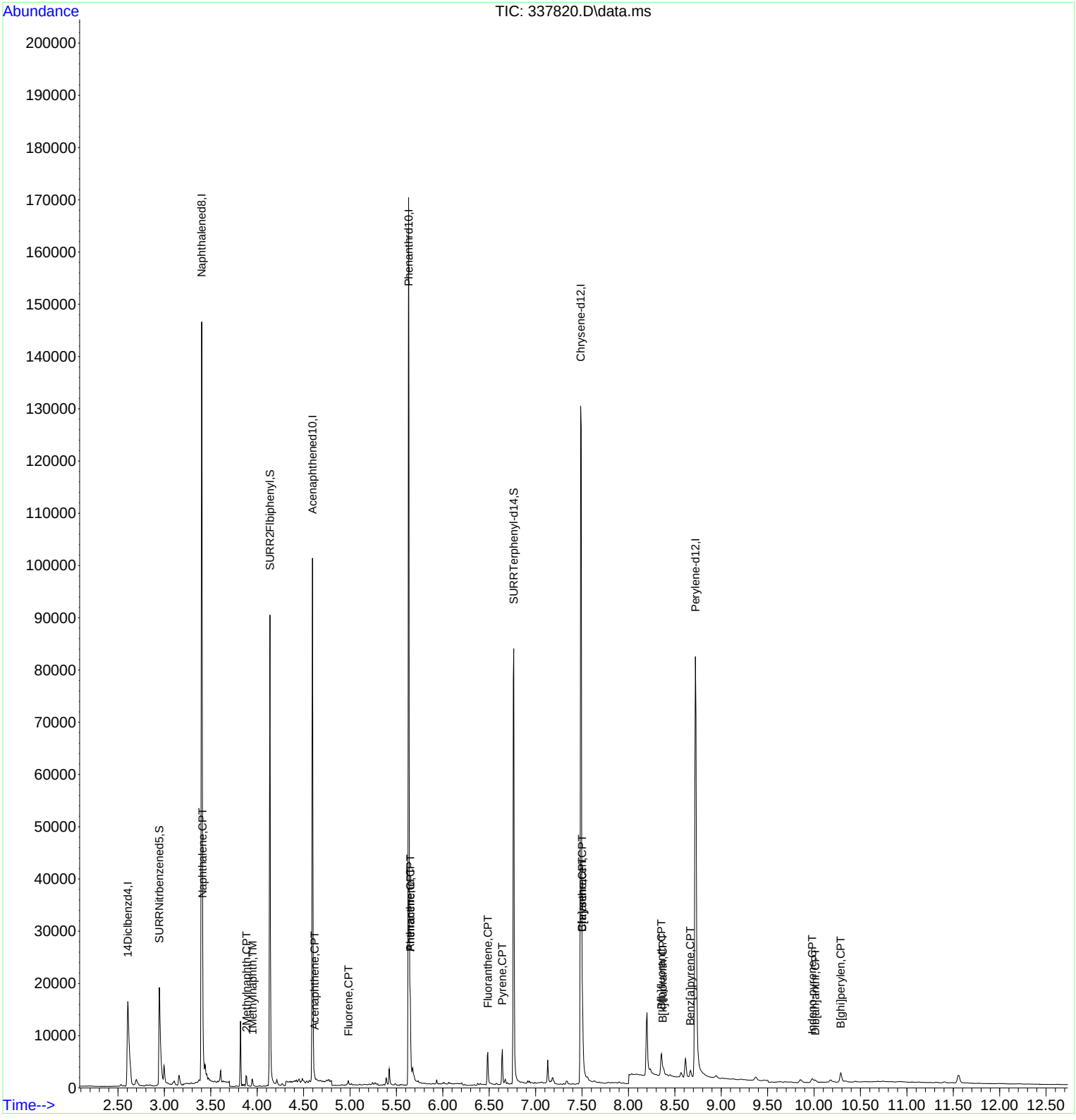
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.605	152	25334	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	104526	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	63098	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	119775	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	115380	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	103256	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.946	82	28261	96.87	%REC	0.00
Spiked Amount 100.000			Recovery = 96.87%			
8) SURR2Flbiphenyl	4.138	172	63401	87.73	%REC	0.00
Spiked Amount 100.000			Recovery = 87.73%			
18) SURRTerphenyl-d14	6.765	244	69708	90.50	ng/mL	0.00
Spiked Amount 100.000			Recovery = 90.50%			
Target Compounds						Qvalue
4) Naphthalene	3.413	128	2294	24.9067	ng/mL#	1
5) 2Methylnaphth	3.885	142	1047	19.3347	ng/mL	98
6) 1Methylnaphth	3.950	142	681	9.7073	ng/mL	84
10) Acenaphthene	4.619	154	425	6.9246	ng/mL	74
11) Fluorene	4.983	166	482	7.1508	ng/mL	94
13) Phenanthrene	5.650	178	7605	74.5540	ng/mL	98
14) Anthracene	5.650	178	8623	72.6408	ng/mL	99
15) Fluoranthene	6.485	202	5398	39.9734	ng/mL	99
17) Pyrene	6.641	202	5136	34.8527	ng/mL	97
19) B[a]anthracen	7.501	228	10017	110.1996	ng/mL	94
20) Chrysene	7.501	228	11314	80.6139	ng/mL	92
22) B[b]fluoranth	8.355	252	4831	49.1879	ng/mL	97
23) B[k]fluoranth	8.372	252	1344m	9.4897	ng/mL	
24) Benz[a]pyrene	8.668	252	1447	13.7213	ng/mL	91
25) Indeno-pyrene	9.981	276	1311	17.1901	ng/mL	99
26) Dib[ah]anthr	10.015	278	400	7.3154	ng/mL	78
27) B[ghi]perylen	10.287	276	2737	36.3777	ng/mL	95

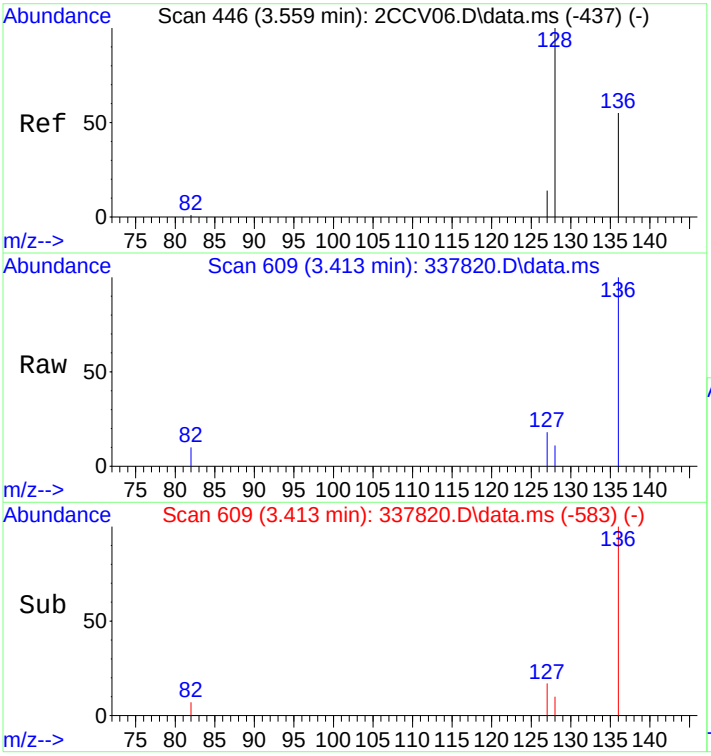
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337820.D Vial: 12
Acq On : 22 Aug 2013 16:06 Operator: RPN
Sample : 96978,337820, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 10:56:03 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 10:54:54 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

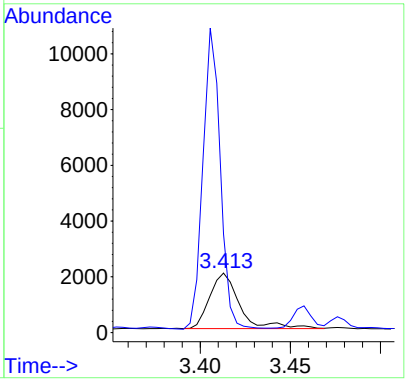


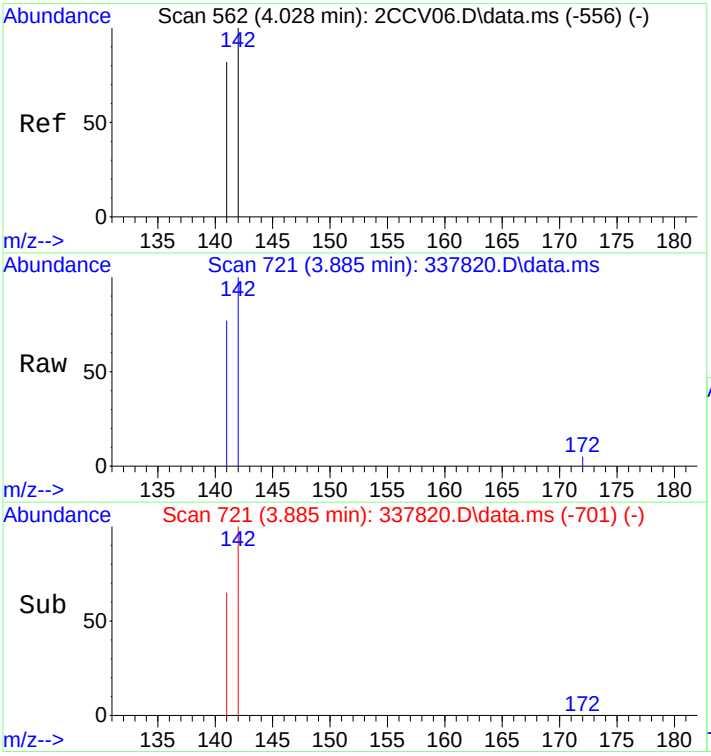


#4
Naphthalene
Concen: 24.91 ng/mL
RT: 3.413 min Scan# 609
Delta R.T. -0.004 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:128 Resp: 2294

Ion	Ratio	Lower	Upper
128	100		
127	171.9	0.0	42.4#

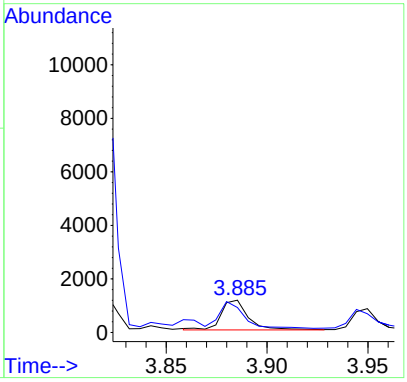


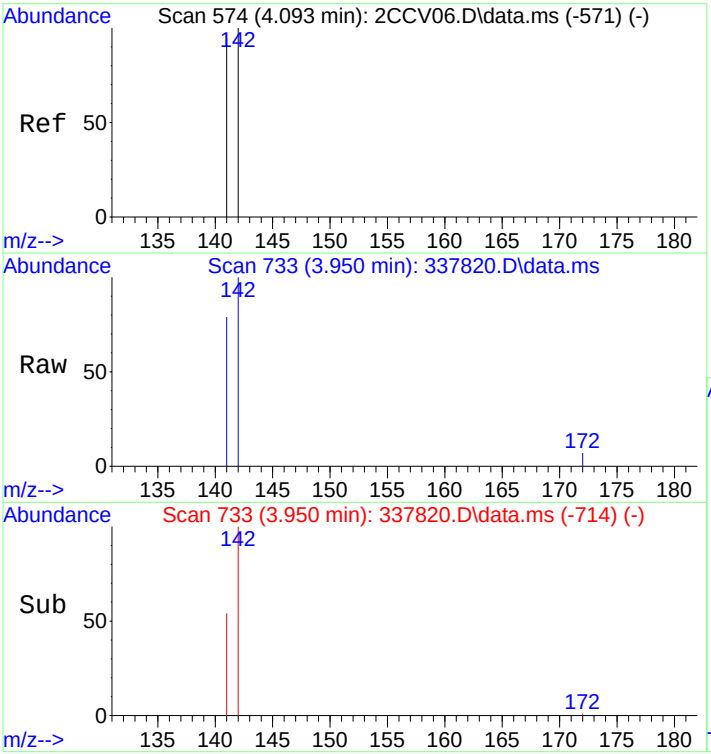


#5
2Methylnaphth
Concen: 19.33 ng/mL
RT: 3.885 min Scan# 721
Delta R.T. 0.005 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:142 Resp: 1047

Ion	Ratio	Lower	Upper
142	100		
141	83.6	51.8	111.8

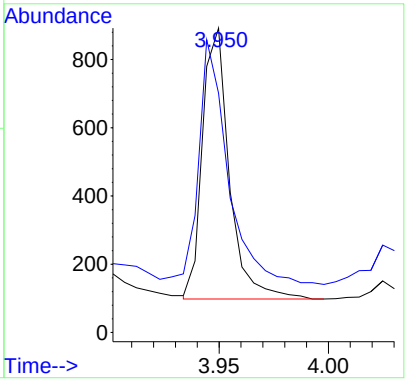


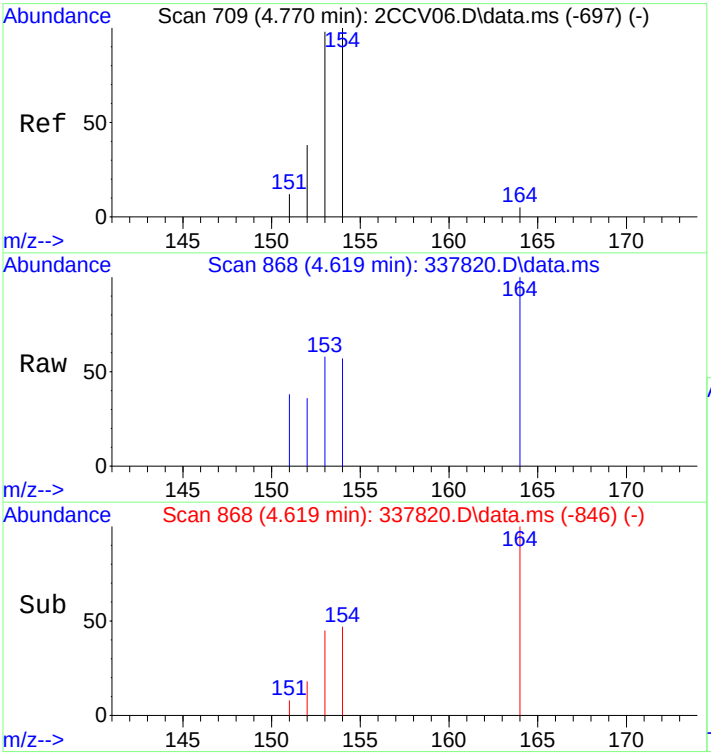


#6
1Methylnaphth
Concen: 9.71 ng/mL
RT: 3.950 min Scan# 733
Delta R.T. 0.000 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:142 Resp: 681

Ion	Ratio	Lower	Upper
142	100		
141	98.5	54.2	114.2

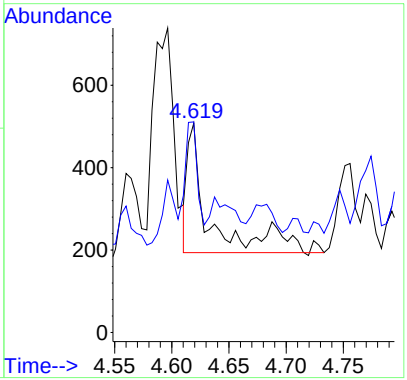


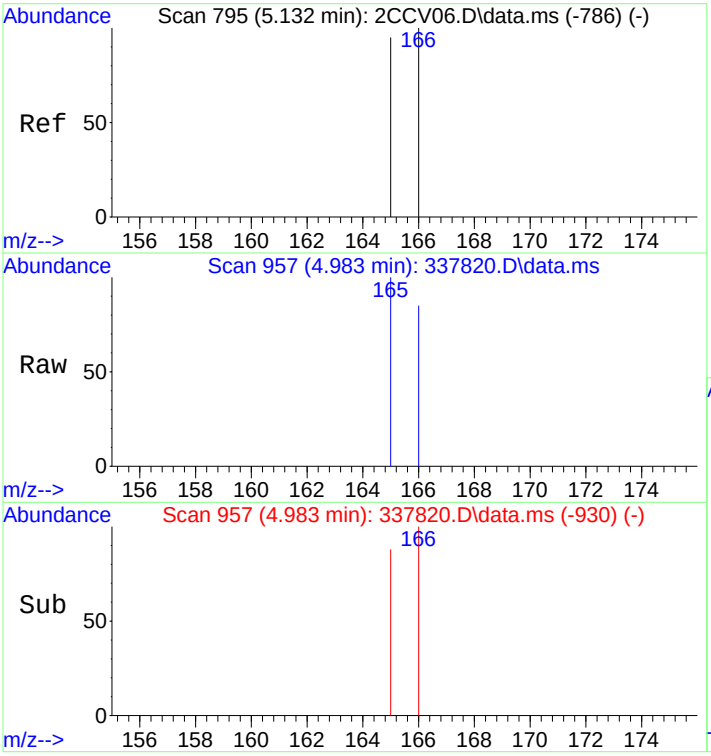


#10
Acenaphthene
Concen: 6.92 ng/mL
RT: 4.619 min Scan# 868
Delta R.T. 0.000 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:154 Resp: 425

Ion	Ratio	Lower	Upper
154	100		
153	86.0	84.6	144.6

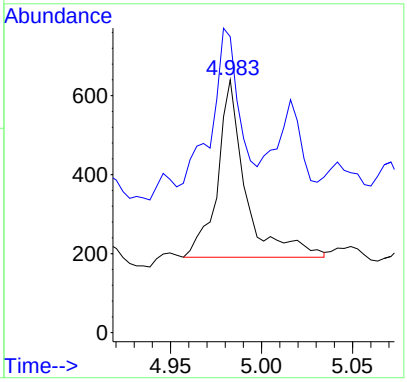


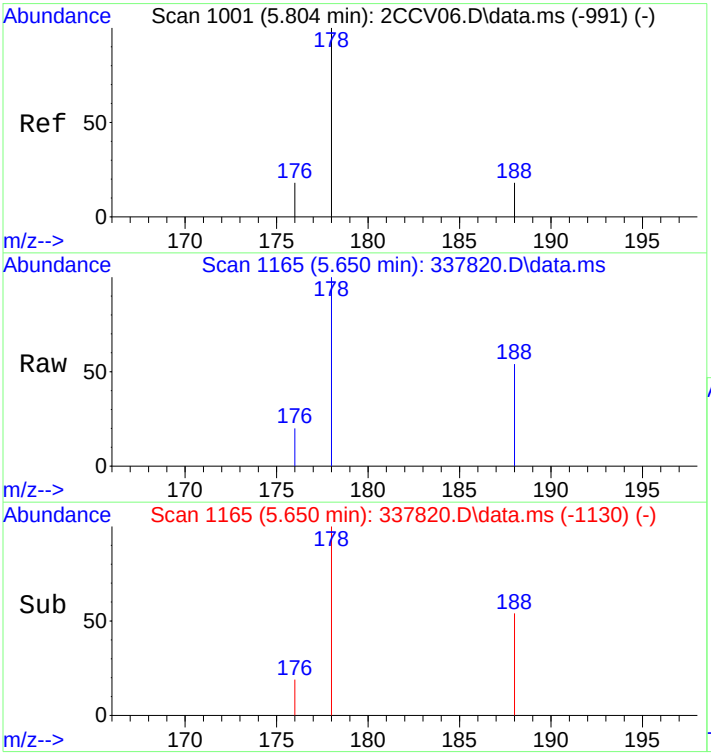


#11
Fluorene
Concen: 7.15 ng/mL
RT: 4.983 min Scan# 957
Delta R.T. 0.000 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:166 Resp: 482

Ion	Ratio	Lower	Upper
166	100		
165	82.6	47.7	107.7

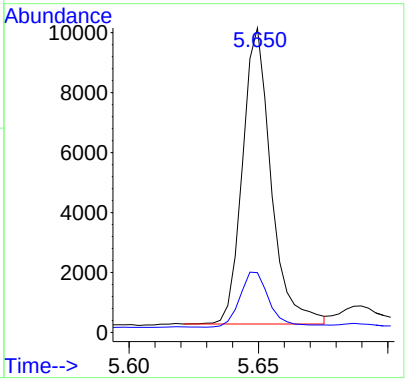


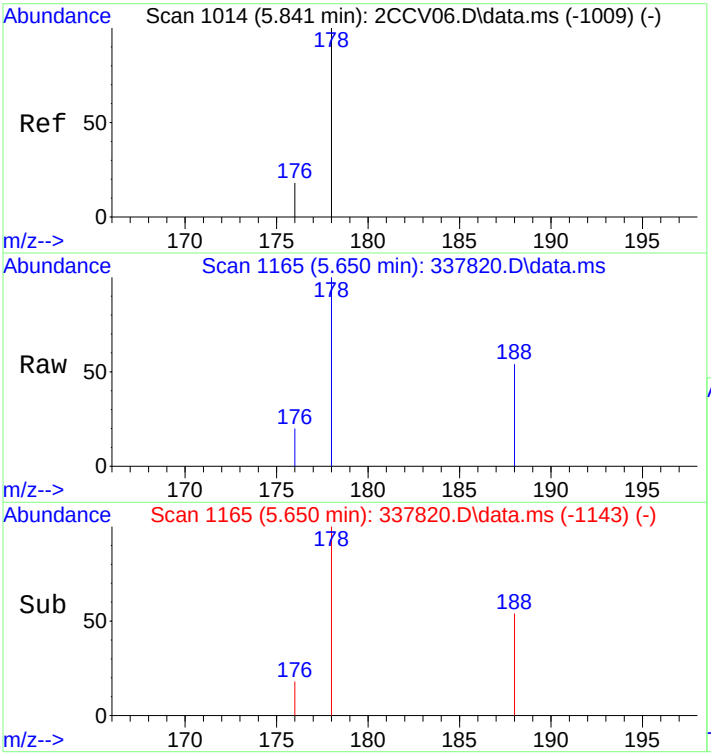


#13
Phenanthrene
Concen: 74.55 ng/mL
RT: 5.650 min Scan# 1165
Delta R.T. 0.000 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:178 Resp: 7605

Ion	Ratio	Lower	Upper
178	100		
176	18.3	0.0	49.2

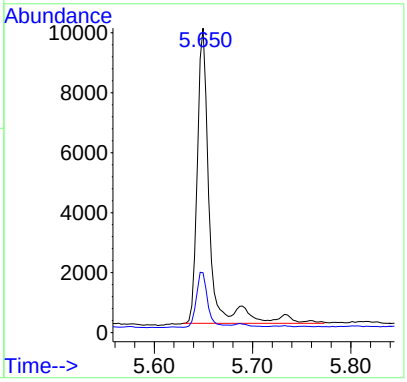


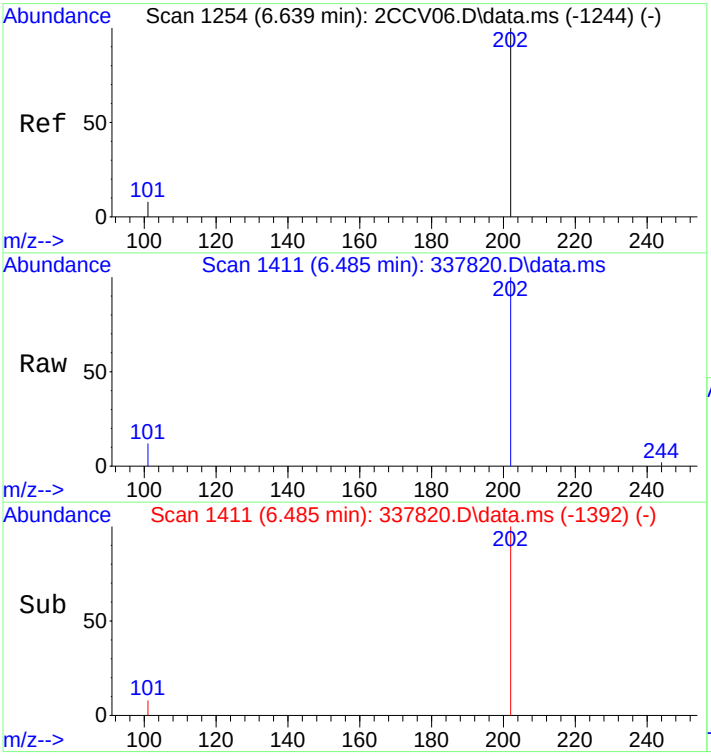


#14
Anthracene
Concen: 72.64 ng/mL
RT: 5.650 min Scan# 1165
Delta R.T. -0.036 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:178 Resp: 8623

Ion	Ratio	Lower	Upper
178	100		
176	18.4	0.0	47.9

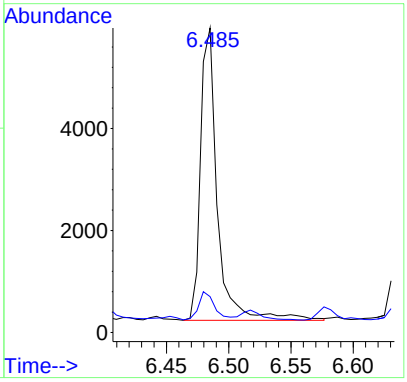


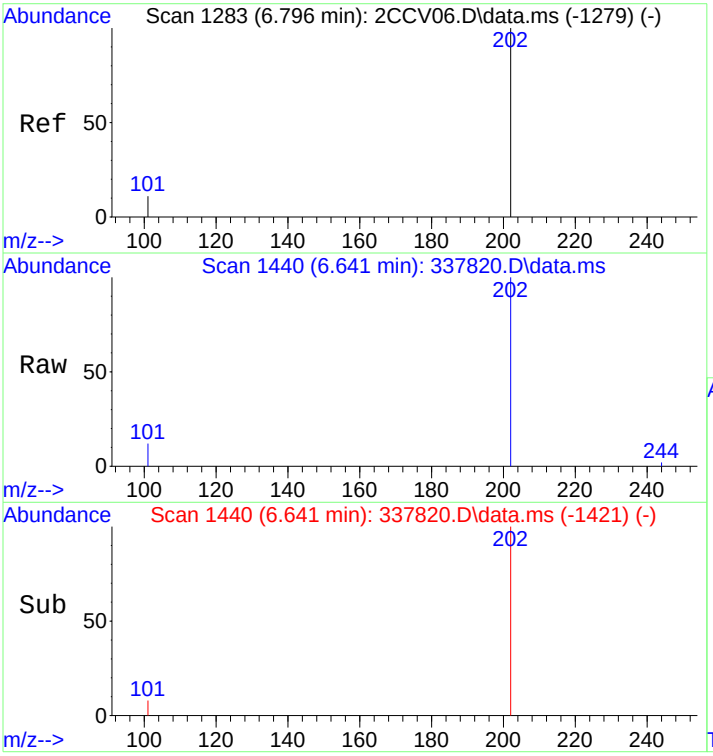


#15
Fluoranthene
Concen: 39.97 ng/mL
RT: 6.485 min Scan# 1411
Delta R.T. 0.000 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:202 Resp: 5398

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	37.5

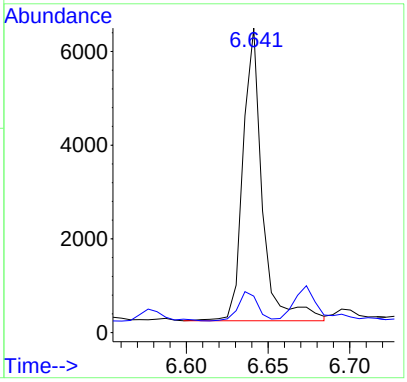


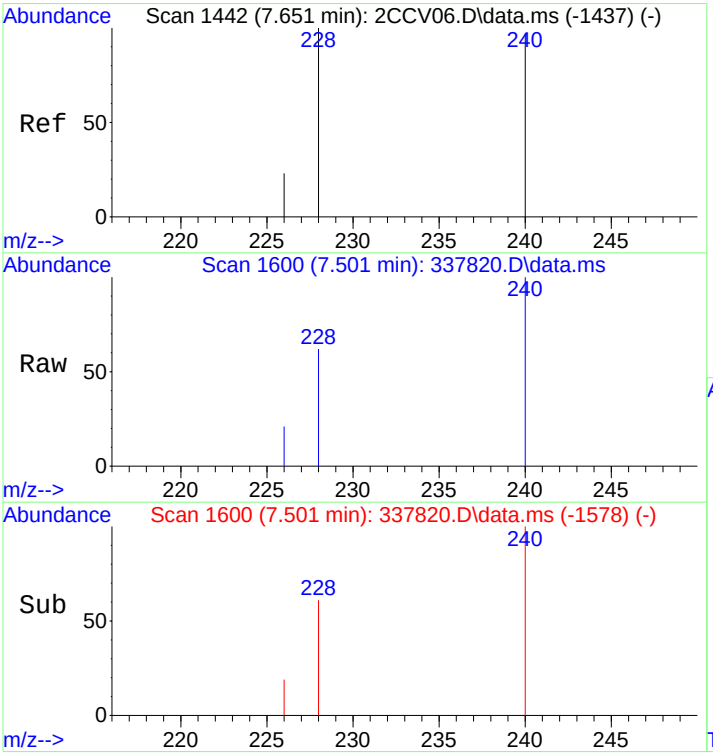


#17
Pyrene
Concen: 34.85 ng/mL
RT: 6.641 min Scan# 1440
Delta R.T. 0.000 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:202 Resp: 5136

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	38.8

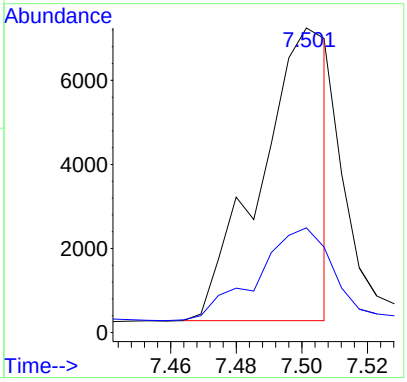


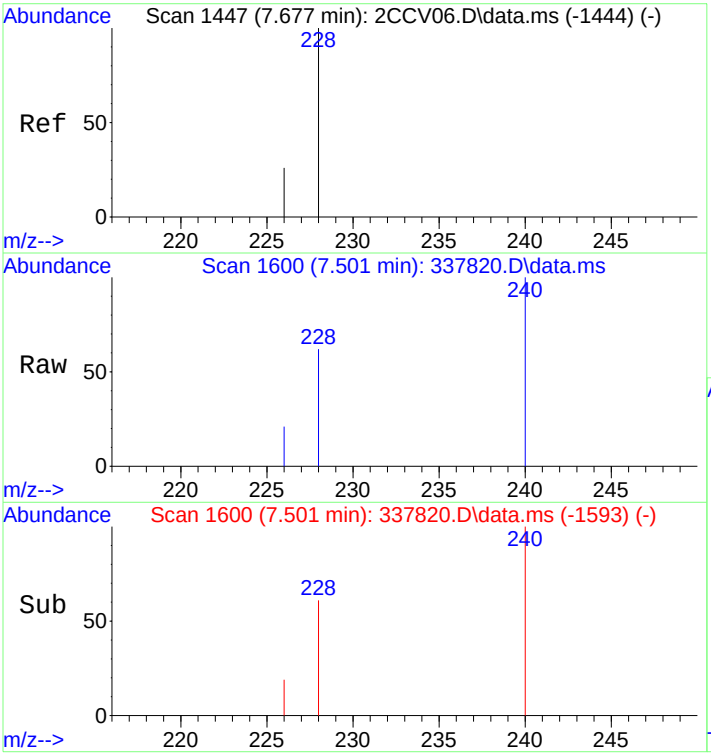


#19
B[a]anthracen
Concen: 110.20 ng/mL
RT: 7.501 min Scan# 1600
Delta R.T. 0.016 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:228 Resp: 10017

Ion	Ratio	Lower	Upper
228	100		
226	31.4	0.0	58.4

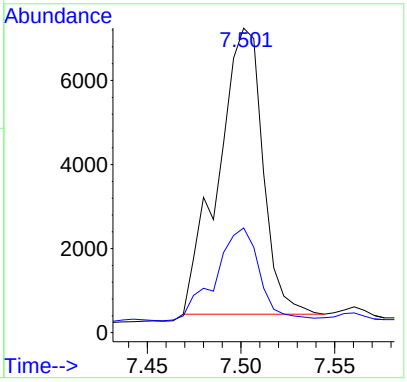


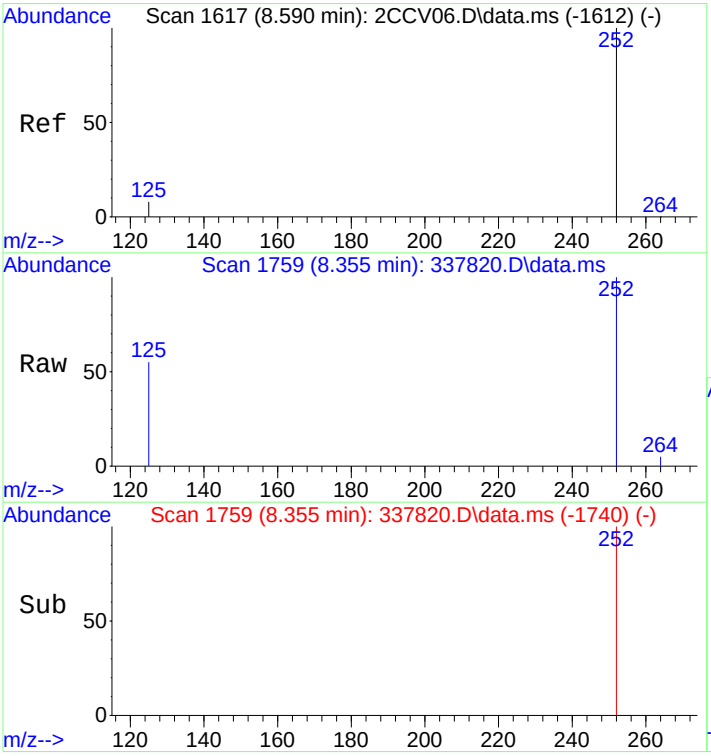


#20
Chrysene
Concen: 80.61 ng/mL
RT: 7.501 min Scan# 1600
Delta R.T. -0.005 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:228 Resp: 11314

Ion	Ratio	Lower	Upper
228	100		
226	31.4	0.0	57.2

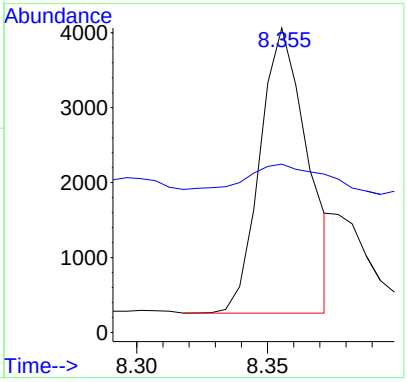


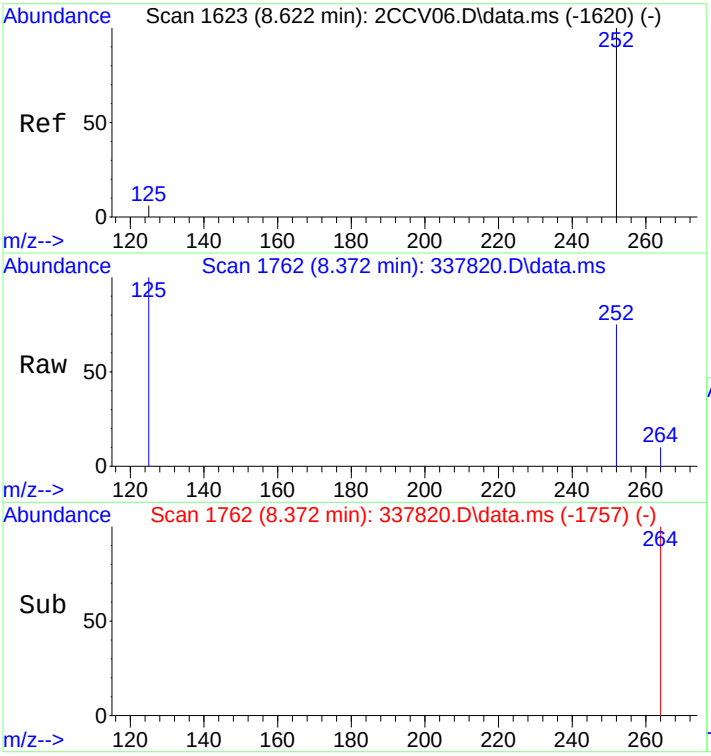


#22
B[b]fluoranth
Concen: 49.19 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. 0.000 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:252 Resp: 4831

Ion	Ratio	Lower	Upper
252	100		
125	8.9	0.0	37.8

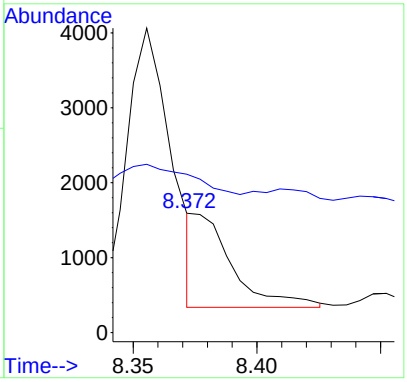


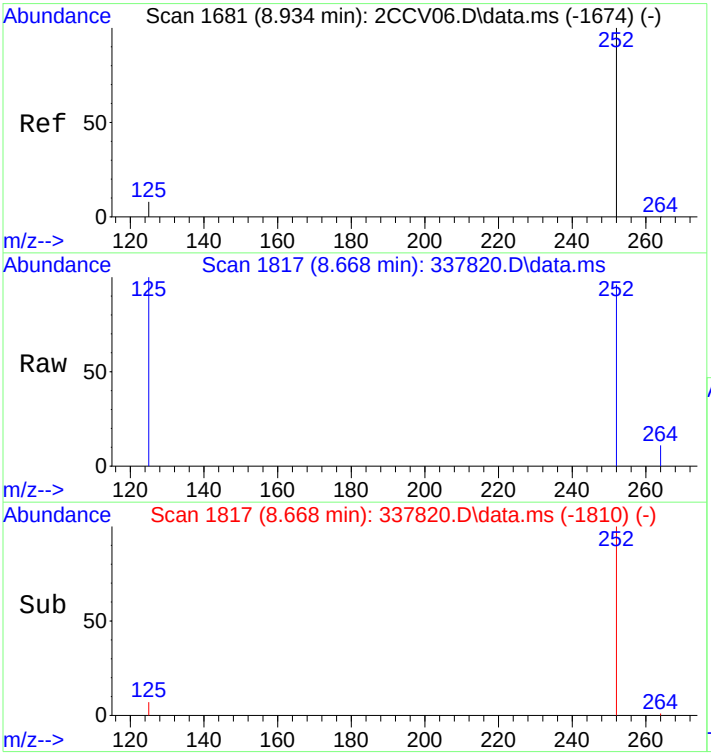


#23
B[k]fluoranth
Concen: 9.49 ng/mL m
RT: 8.372 min Scan# 1762
Delta R.T. -0.010 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:252 Resp: 1344

Ion	Ratio	Lower	Upper
252	100		
125	132.7	0.0	37.7#

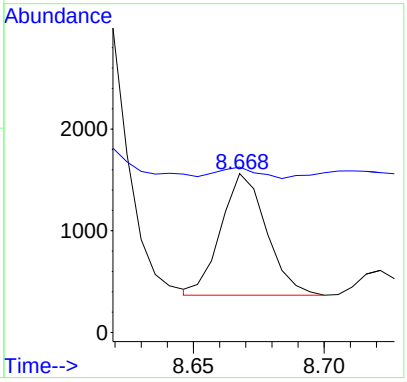


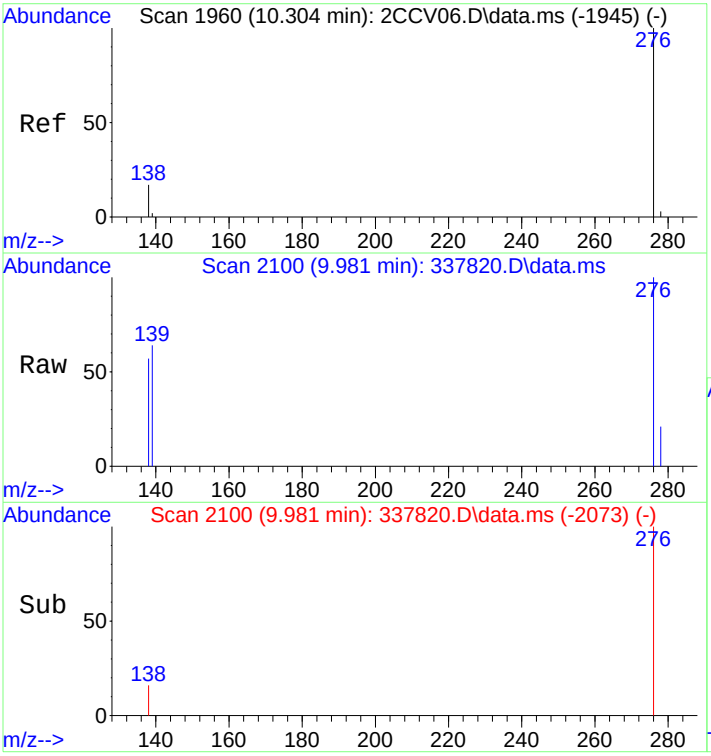


#24
Benz[a]pyrene
Concen: 13.72 ng/mL
RT: 8.668 min Scan# 1817
Delta R.T. 0.000 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:252 Resp: 1447

Ion	Ratio	Lower	Upper
252	100		
125	5.8	0.0	39.1

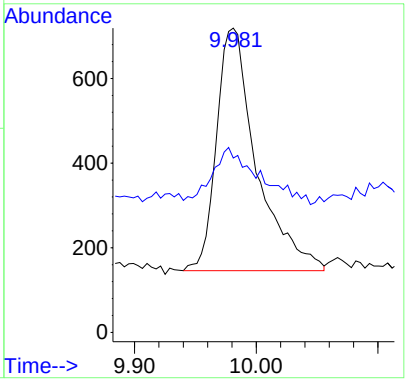


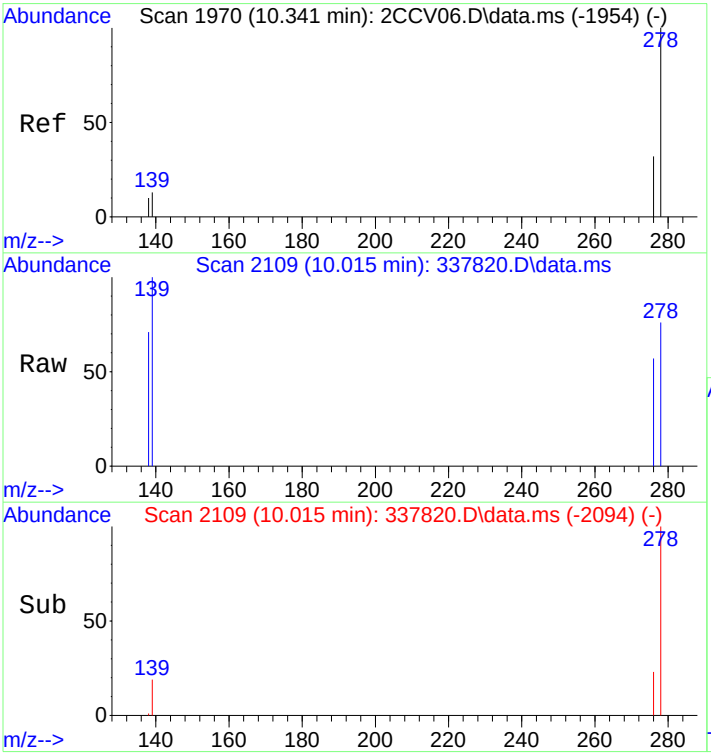


#25
Indeno-pyrene
Concen: 17.19 ng/mL
RT: 9.981 min Scan# 2100
Delta R.T. 0.000 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:276 Resp: 1311

Ion	Ratio	Lower	Upper
276	100		
138	18.0	0.0	48.6

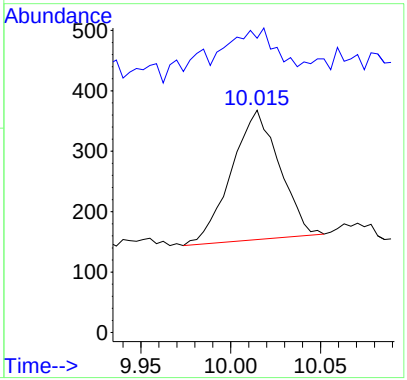


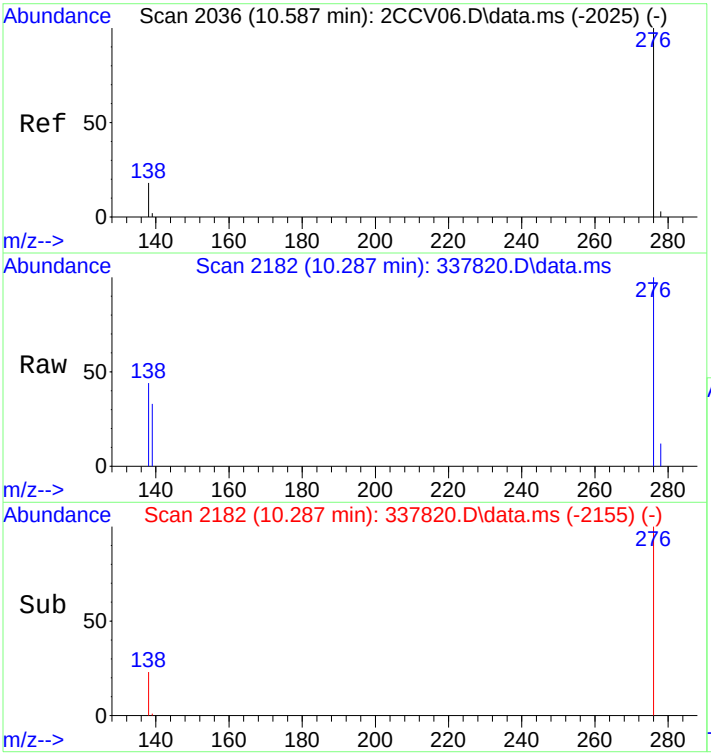


#26
Dib[ah]anthr
Concen: 7.32 ng/mL
RT: 10.015 min Scan# 2109
Delta R.T. -0.004 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:278 Resp: 400

Ion	Ratio	Lower	Upper
278	100		
139	24.6	0.0	45.4

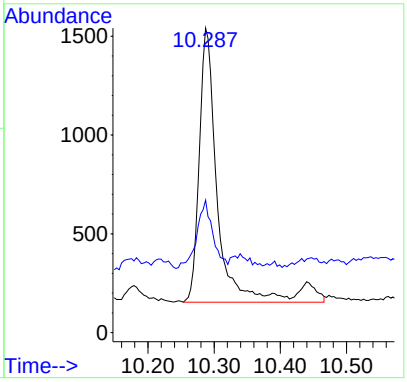


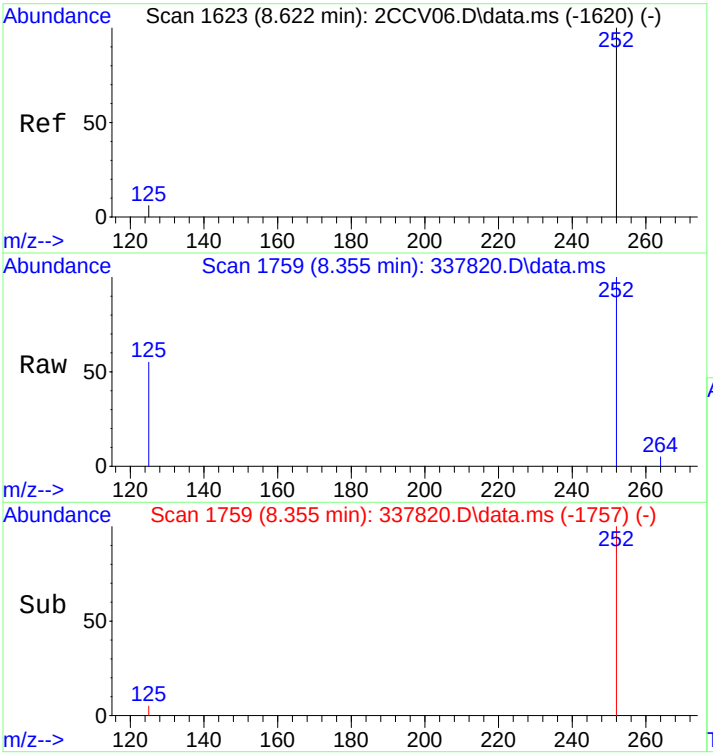


#27
B[ghi]perylen
Concen: 36.38 ng/mL
RT: 10.287 min Scan# 2182
Delta R.T. 0.000 min
Lab File: 337820.D
Acq: 22 Aug 13 4:06 pm

Tgt Ion:276 Resp: 2737

Ion	Ratio	Lower	Upper
276	100		
138	23.0	0.0	50.7

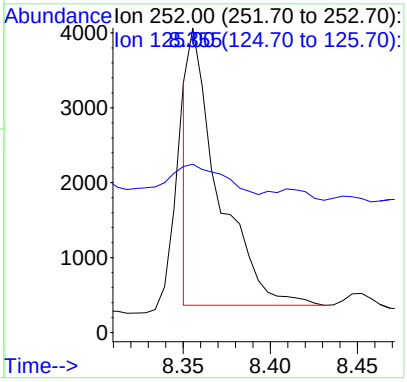




#23
B[k]fluoranth
Concen: 30.95 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. -0.027 min
Lab File: 337820.D
Acq: 22 Aug 2013 16:06

Tgt Ion:252 Resp: 4383

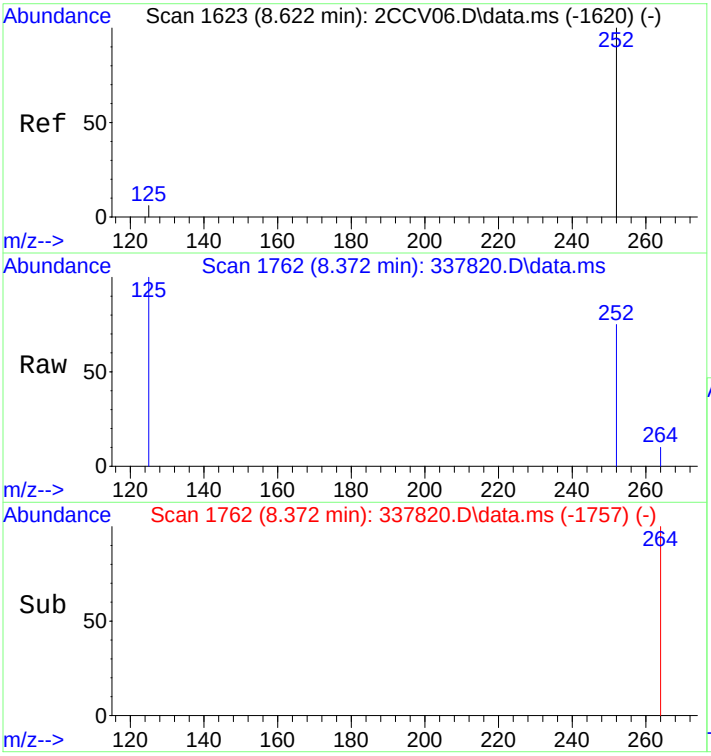
Ion	Ratio	Lower	Upper
252	100		
125	13.0	0.0	37.7



Reason#3

RPN
08/23/13

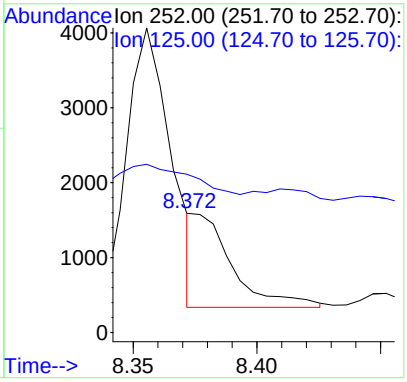
Before Manual Integration



#23
B[k]fluoranth
Concen: 9.49 ng/mL m
RT: 8.372 min Scan# 1762
Delta R.T. -0.010 min
Lab File: 337820.D
Acq: 22 Aug 2013 16:06

Tgt Ion:252 Resp: 1344

Ion	Ratio	Lower	Upper
252	100		
125	132.7	0.0	37.7#



RPN
08/23/13

RED
09/04/2013

After Manual Integration

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337822.D Vial: 13
Acq On : 22 Aug 2013 16:26 Operator: RPN
Sample : 96978,337822, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 11:13:55 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 10:54:54 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

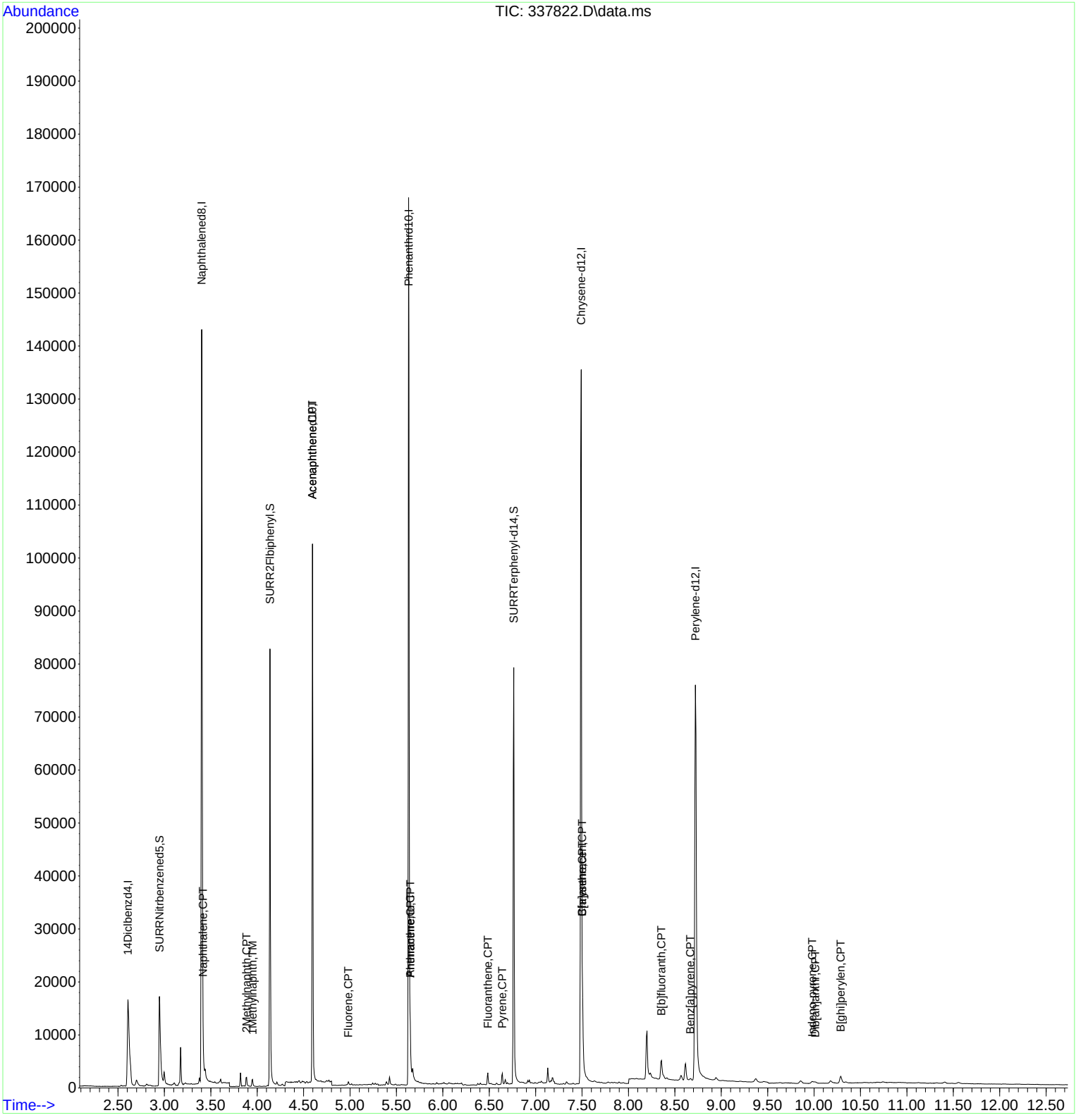
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.607	152	25170	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	104255	1000.00	ng/mL	0.00
7) Acenaphthened10	4.595	164	61838	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	115652	1000.00	ng/mL	0.00
16) Chrysene-d12	7.491	240	111551	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	97425	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.947	82	24029	82.58	%REC	0.00
Spiked Amount 100.000			Recovery = 82.58%			
8) SURR2Flbiphenyl	4.137	172	55278	78.05	%REC	0.00
Spiked Amount 100.000			Recovery = 78.05%			
18) SURRTerphenyl-d14	6.765	244	60158	80.78	ng/mL	0.00
Spiked Amount 100.000			Recovery = 80.78%			
Target Compounds						Qvalue
4) Naphthalene	3.416	128	1503	16.3610	ng/mL	87
5) 2Methylnaphth	3.885	142	862	15.9597	ng/mL	86
6) 1Methylnaphth	3.950	142	625	8.9323	ng/mL	91
10) Acenaphthene	4.595	154	738	12.2693	ng/mL#	13
11) Fluorene	4.982	166	386	5.8432	ng/mL	83
13) Phenanthrene	5.649	178	4373	44.3981	ng/mL	96
14) Anthracene	5.649	178	5006	43.6743	ng/mL	99
15) Fluoranthene	6.485	202	1800	13.8046	ng/mL	98
17) Pyrene	6.641	202	1917	13.4552	ng/mL	96
19) B[a]anthracen	7.501	228	11900	135.4086	ng/mL	95
20) Chrysene	7.501	228	12121	89.3283	ng/mL	93
22) B[b]fluoranth	8.355	252	3969	42.8300	ng/mL	98
24) Benz[a]pyrene	8.667	252	424	4.2612	ng/mL	78
25) Indeno-pyrene	9.981	276	723	10.0475	ng/mL	96
26) Dib[ah]anthr	10.014	278	279	5.4079	ng/mL	82
27) B[ghi]perylen	10.287	276	2054	28.9338	ng/mL	99

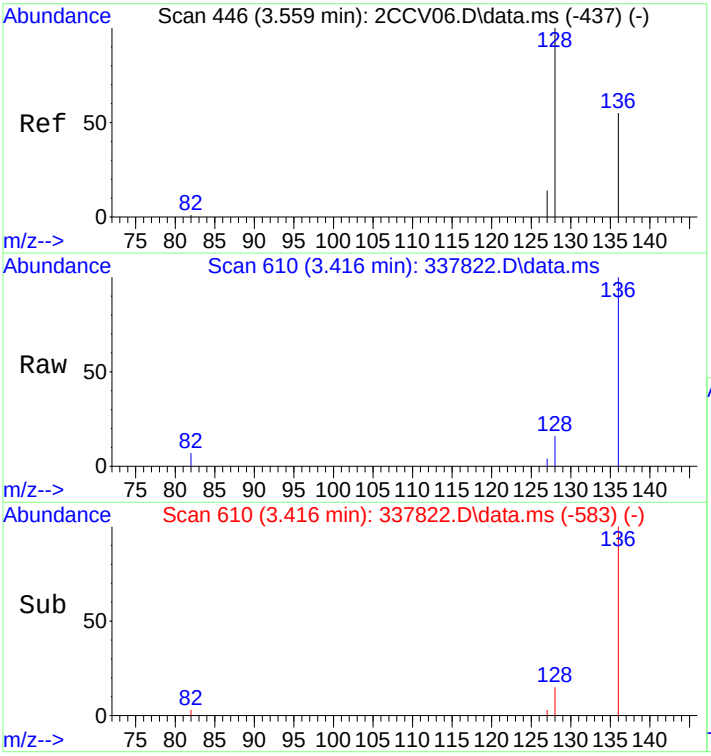
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337822.D Vial: 13
Acq On : 22 Aug 2013 16:26 Operator: RPN
Sample : 96978,337822, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 11:13:55 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 10:54:54 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

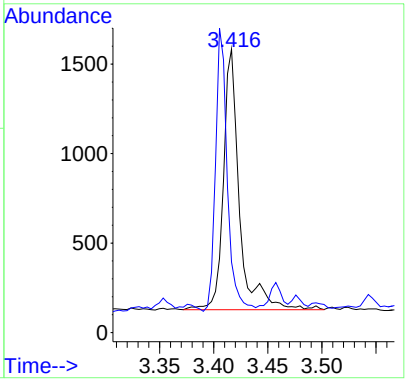


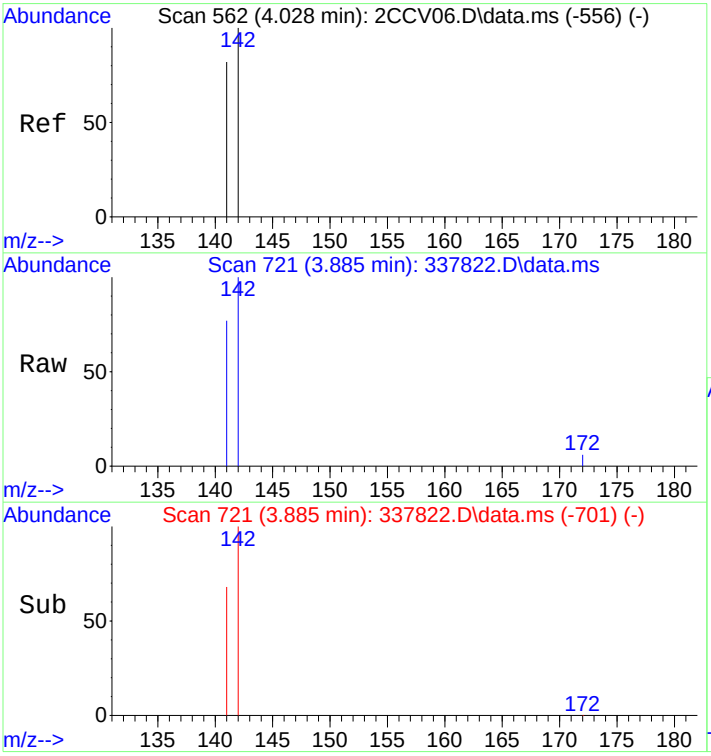


#4
Naphthalene
Concen: 16.36 ng/mL
RT: 3.416 min Scan# 610
Delta R.T. -0.000 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:128 Resp: 1503

Ion	Ratio	Lower	Upper
128	100		
127	17.3	0.0	42.4

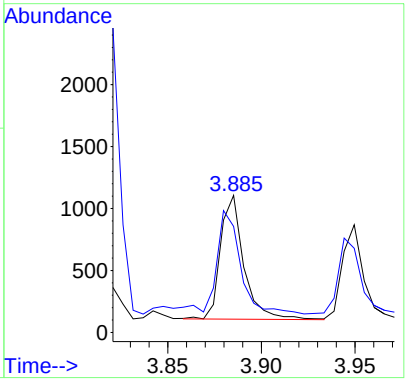


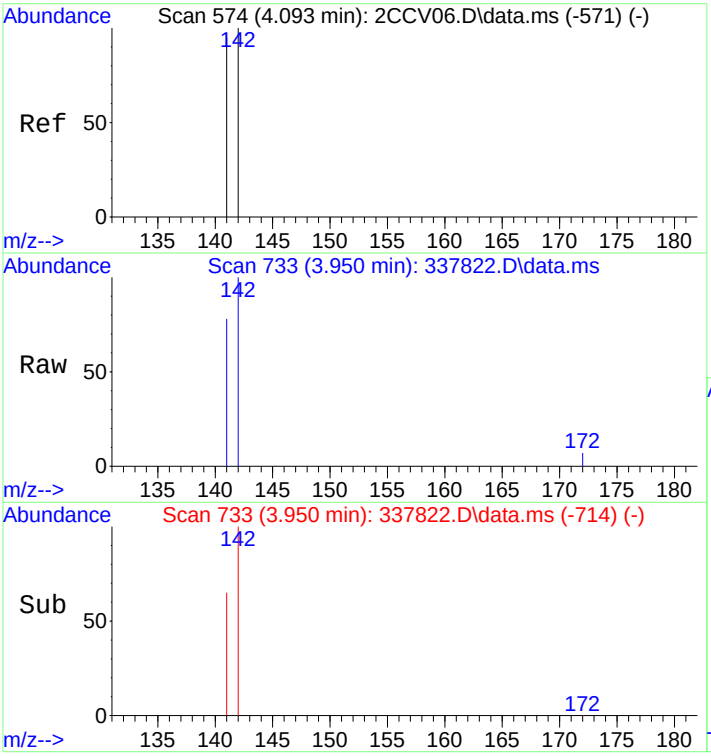


#5
2Methylnaphth
Concen: 15.96 ng/mL
RT: 3.885 min Scan# 721
Delta R.T. 0.005 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:142 Resp: 862

Ion	Ratio	Lower	Upper
142	100		
141	94.3	51.8	111.8

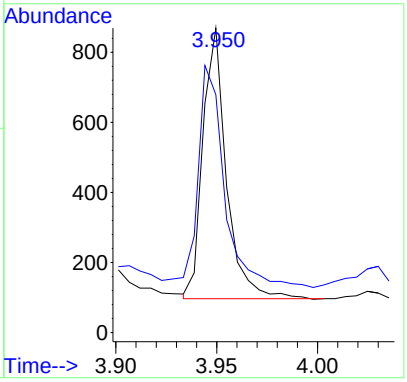


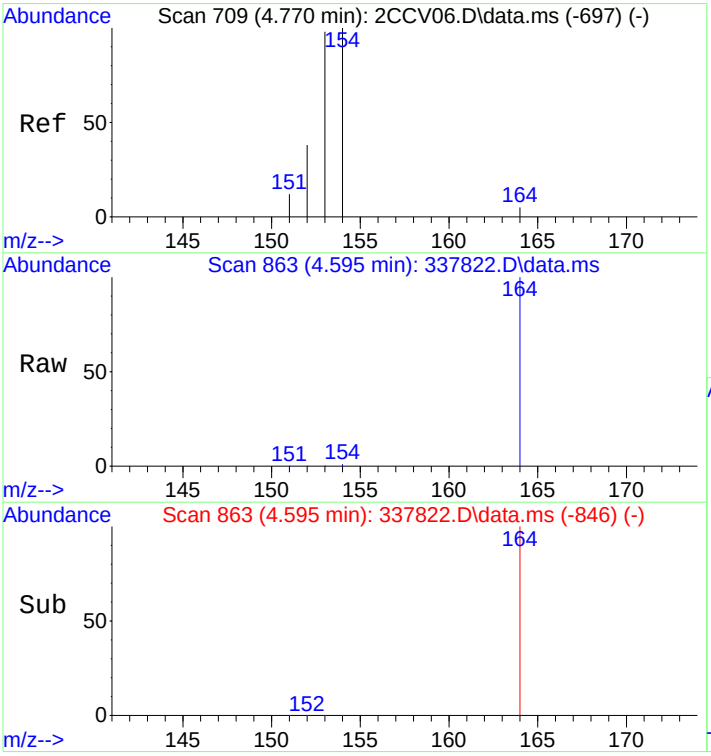


#6
1Methylnaphth
Concen: 8.93 ng/mL
RT: 3.950 min Scan# 733
Delta R.T. -0.000 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:142 Resp: 625

Ion	Ratio	Lower	Upper
142	100		
141	92.8	54.2	114.2

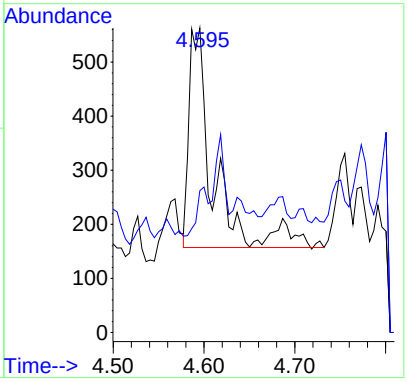


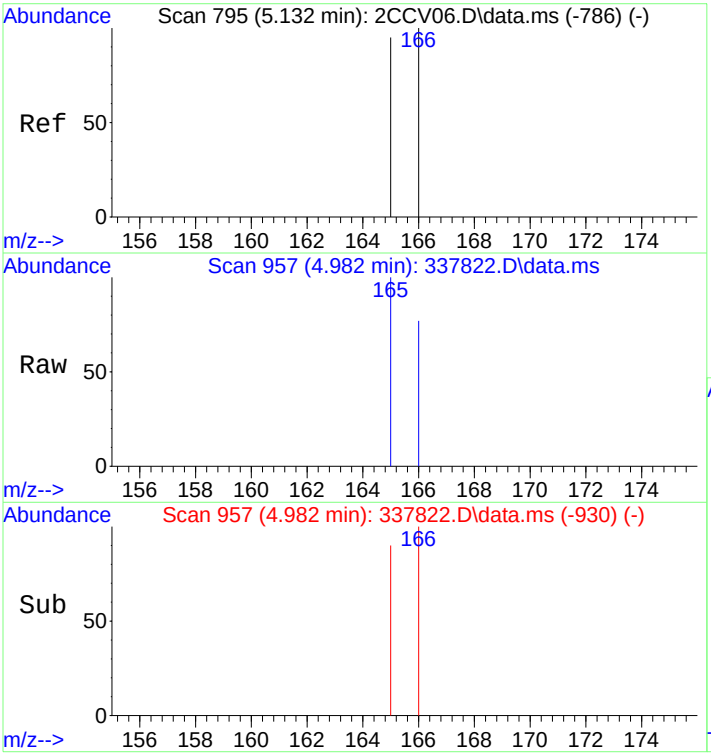


#10
Acenaphthene
Concen: 12.27 ng/mL
RT: 4.595 min Scan# 863
Delta R.T. -0.024 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:154 Resp: 738

Ion	Ratio	Lower	Upper
154	100		
153	20.7	84.6	144.6#

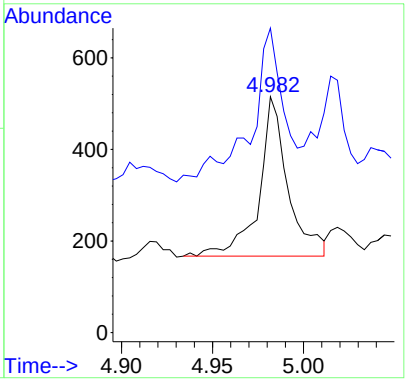


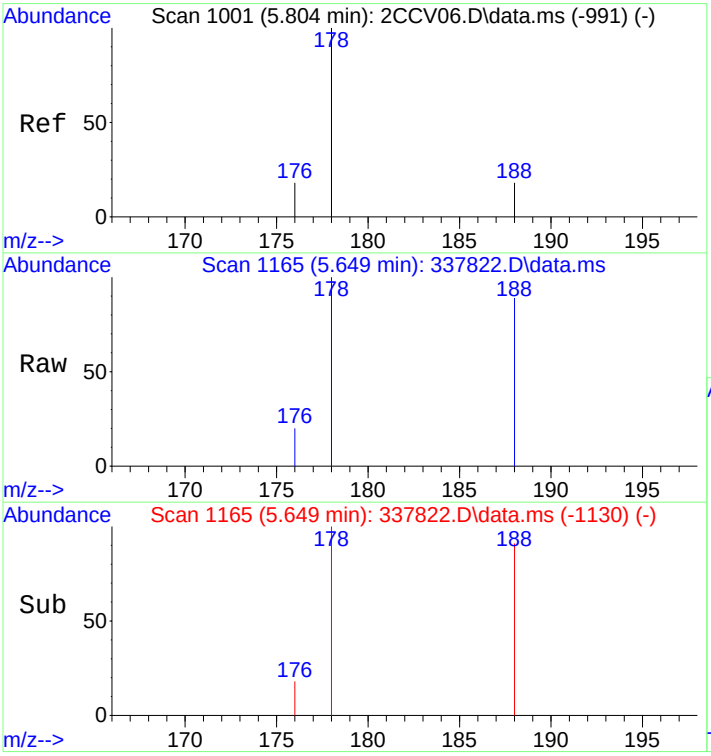


#11
Fluorene
Concen: 5.84 ng/mL
RT: 4.982 min Scan# 957
Delta R.T. -0.001 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:166 Resp: 386

Ion	Ratio	Lower	Upper
166	100		
165	92.2	47.7	107.7

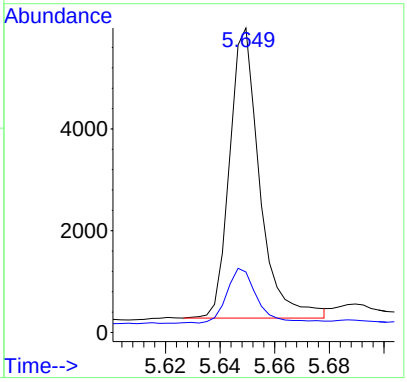


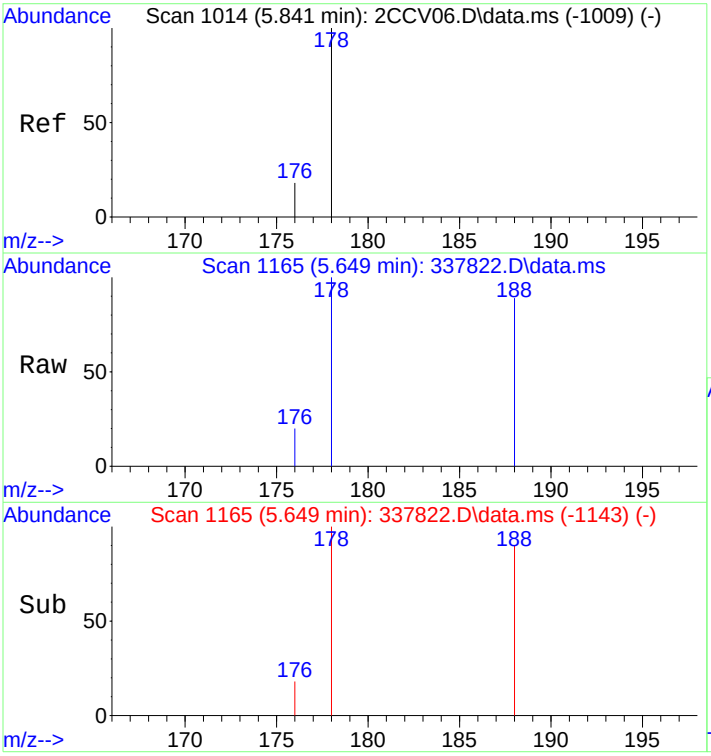


#13
Phenanthrene
Concen: 44.40 ng/mL
RT: 5.649 min Scan# 1165
Delta R.T. -0.000 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:178 Resp: 4373

Ion	Ratio	Lower	Upper
178	100		
176	17.5	0.0	49.2

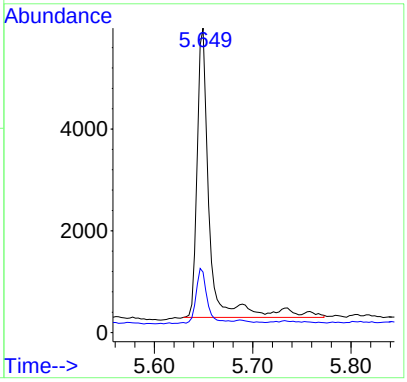


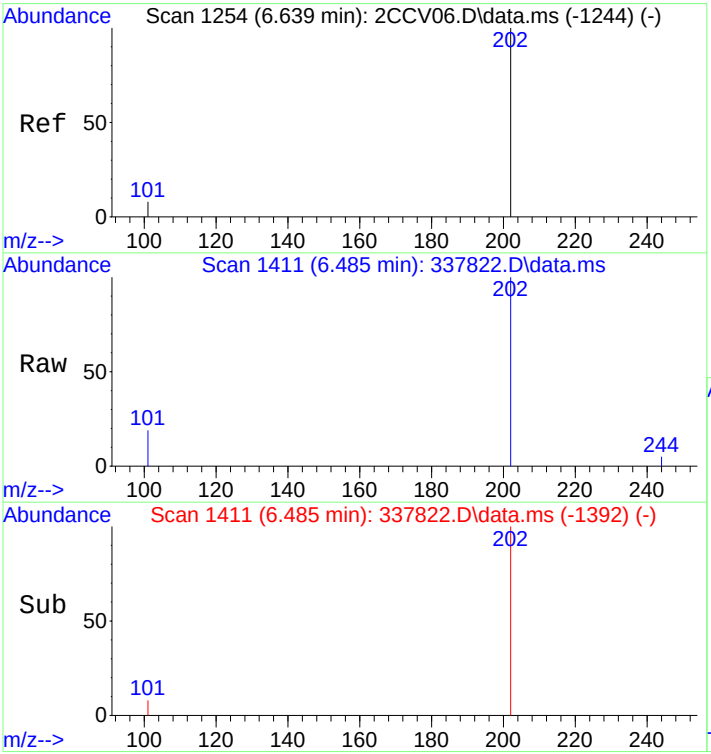


#14
Anthracene
Concen: 43.67 ng/mL
RT: 5.649 min Scan# 1165
Delta R.T. -0.037 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:178 Resp: 5006

Ion	Ratio	Lower	Upper
178	100		
176	17.5	0.0	47.9

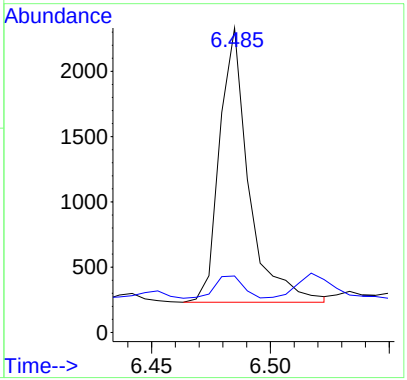


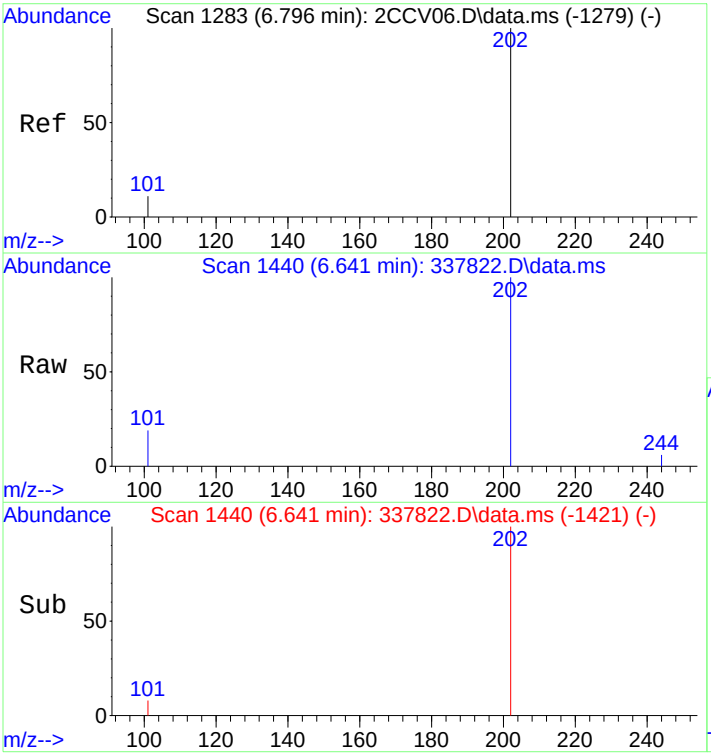


#15
Fluoranthene
Concen: 13.80 ng/mL
RT: 6.485 min Scan# 1411
Delta R.T. -0.000 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:202 Resp: 1800

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	37.5

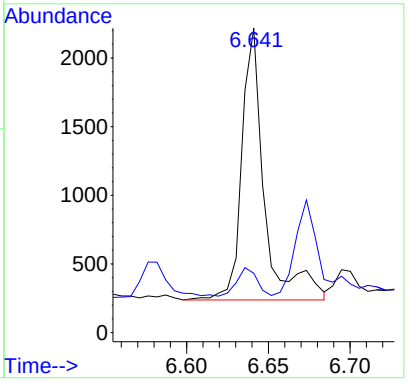


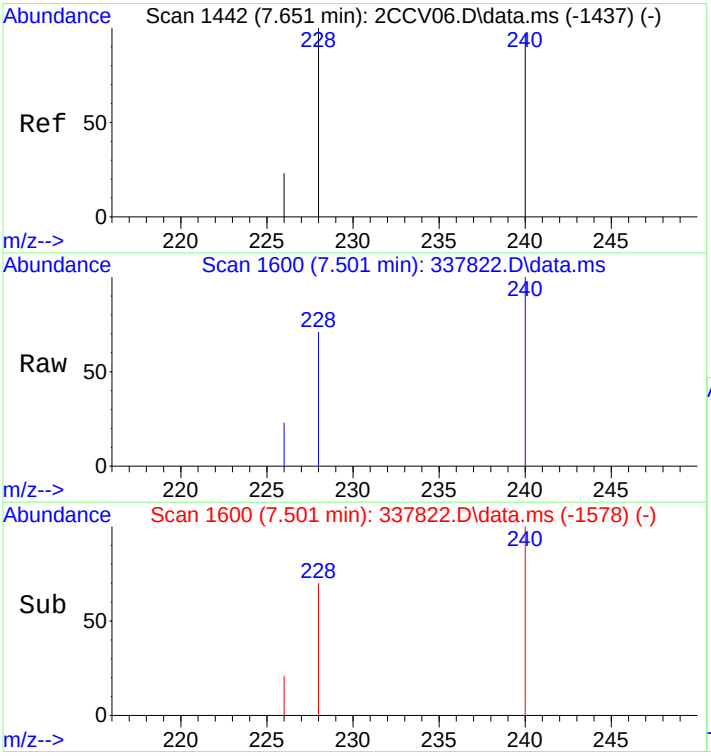


#17
Pyrene
Concen: 13.46 ng/mL
RT: 6.641 min Scan# 1440
Delta R.T. -0.000 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:202 Resp: 1917

Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	38.8

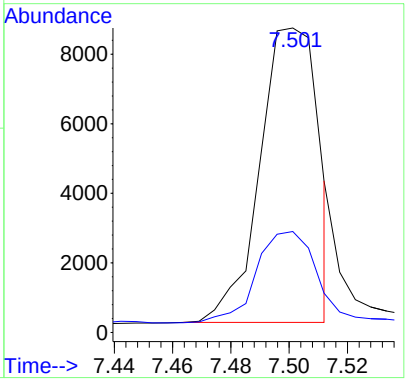


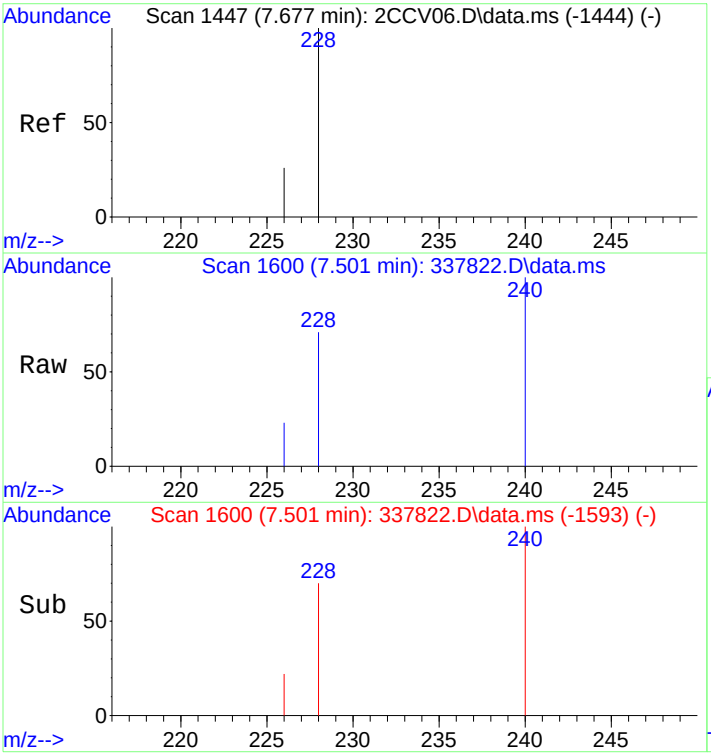


#19
B[a]anthracen
Concen: 135.41 ng/mL
RT: 7.501 min Scan# 1600
Delta R.T. 0.016 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:228 Resp: 11900

Ion	Ratio	Lower	Upper
228	100		
226	31.0	0.0	58.4

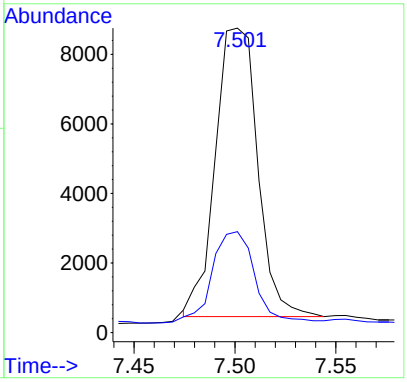


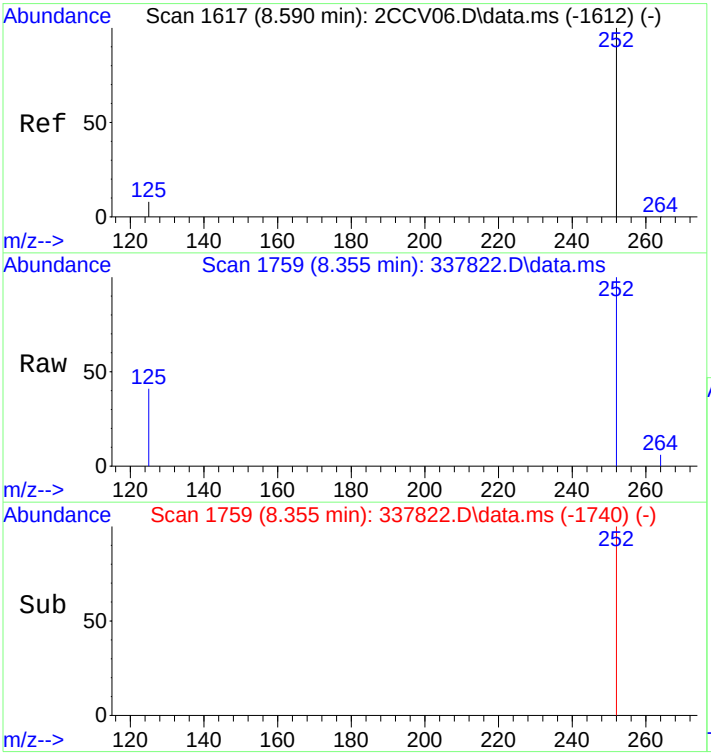


#20
Chrysene
Concen: 89.33 ng/mL
RT: 7.501 min Scan# 1600
Delta R.T. -0.005 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:228 Resp: 12121

Ion	Ratio	Lower	Upper
228	100		
226	30.9	0.0	57.2

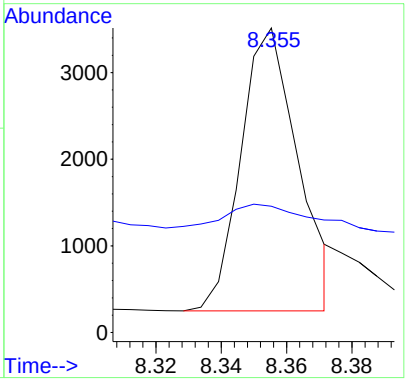


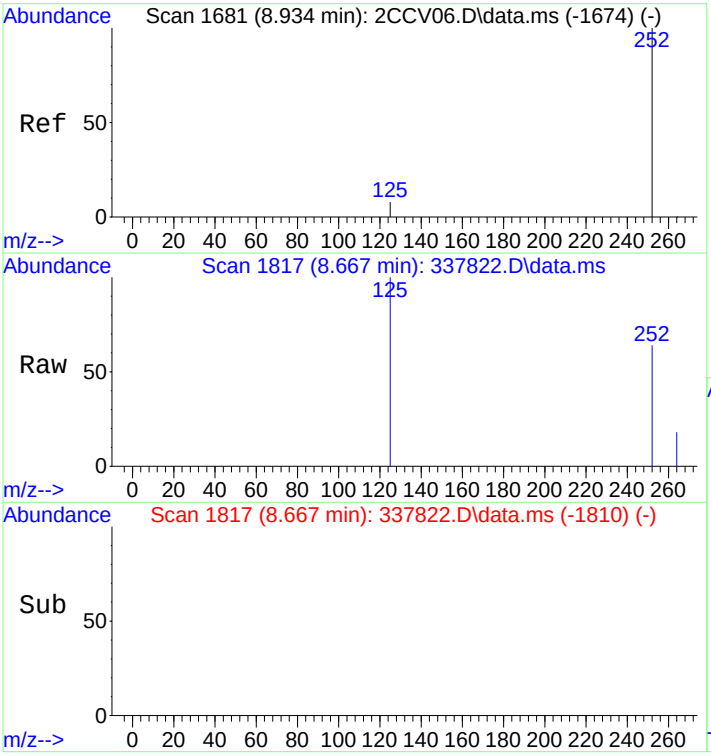


#22
B[b]fluoranth
Concen: 42.83 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. -0.000 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:252 Resp: 3969

Ion	Ratio	Lower	Upper
252	100		
125	7.1	0.0	37.8

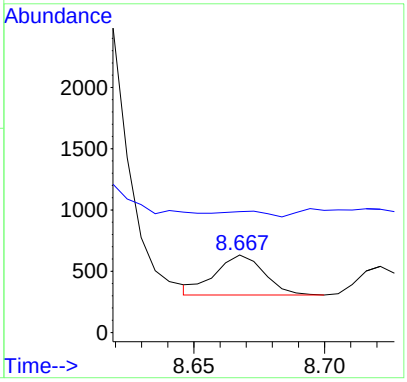


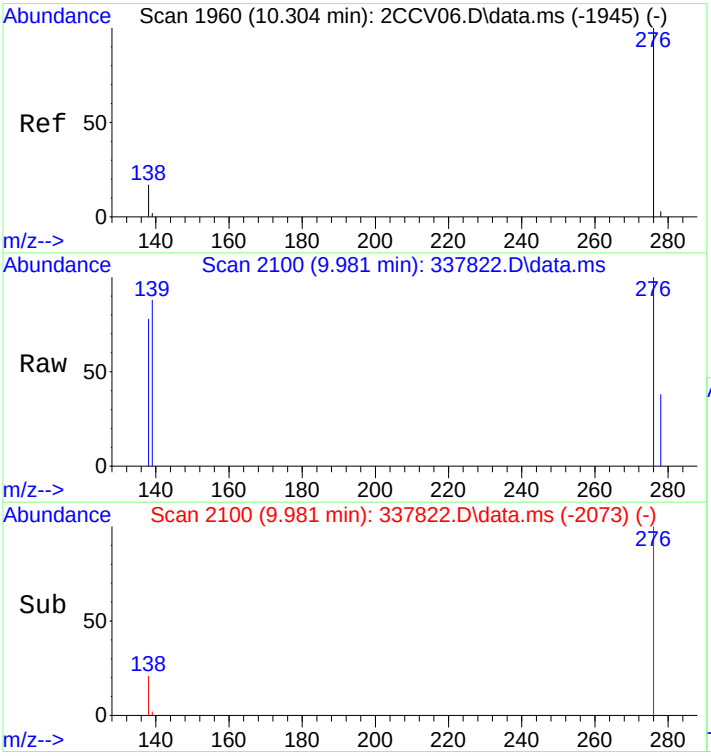


#24
Benz[a]pyrene
Concen: 4.26 ng/mL
RT: 8.667 min Scan# 1817
Delta R.T. -0.000 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:252 Resp: 424

Ion	Ratio	Lower	Upper
252	100		
125	1.2	0.0	39.1

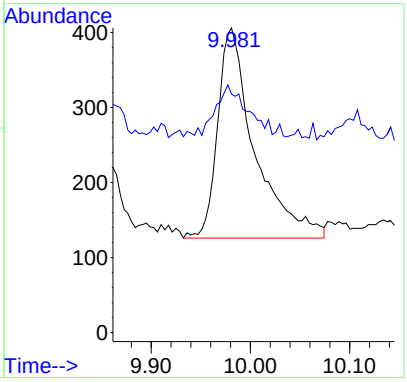


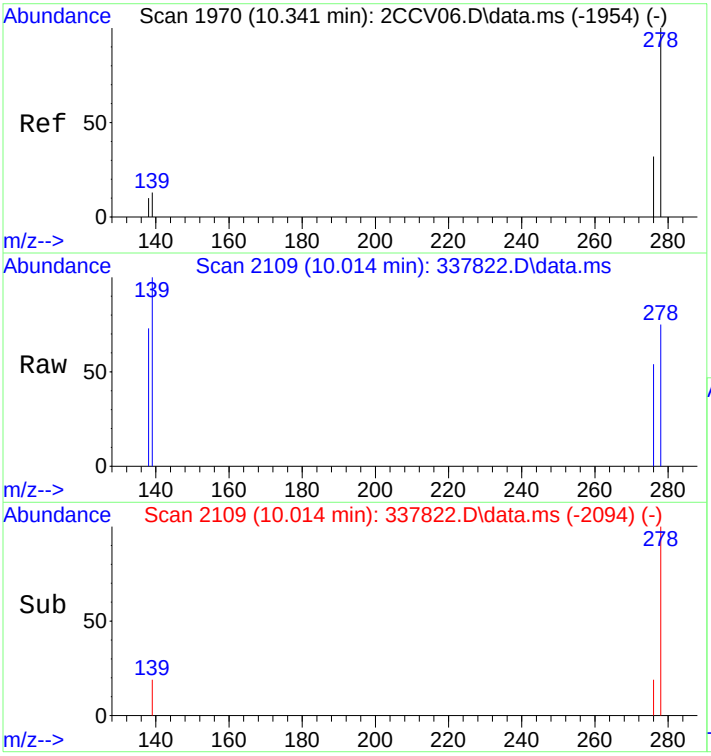


#25
Indeno-pyrene
Concen: 10.05 ng/mL
RT: 9.981 min Scan# 2100
Delta R.T. -0.000 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:276 Resp: 723

Ion	Ratio	Lower	Upper
276	100		
138	20.4	0.0	48.6

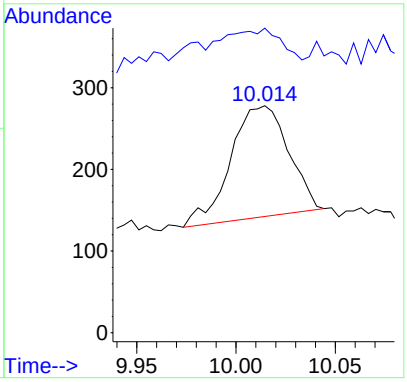


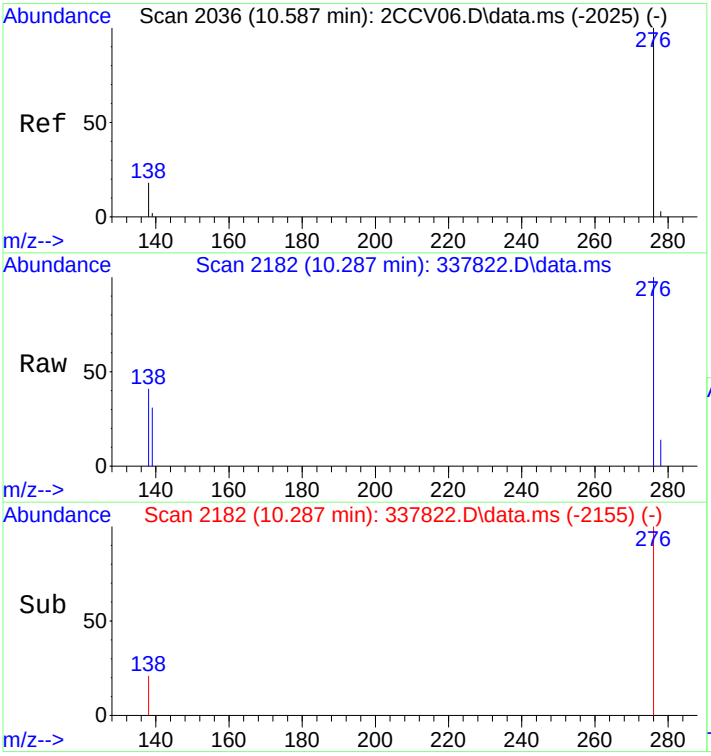


#26
Dib[ah]anthr
Concen: 5.41 ng/mL
RT: 10.014 min Scan# 2109
Delta R.T. -0.004 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:278 Resp: 279

Ion	Ratio	Lower	Upper
278	100		
139	22.8	0.0	45.4

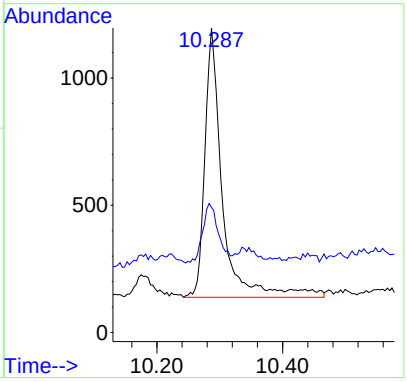




#27
B[ghi]perylen
Concen: 28.93 ng/mL
RT: 10.287 min Scan# 2182
Delta R.T. -0.000 min
Lab File: 337822.D
Acq: 22 Aug 13 4:26 pm

Tgt Ion:276 Resp: 2054

Ion	Ratio	Lower	Upper
276	100		
138	20.2	0.0	50.7



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337824.D Vial: 14
Acq On : 22 Aug 2013 16:46 Operator: RPN
Sample : 96978,337824, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 11:22:13 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 11:18:52 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

MI

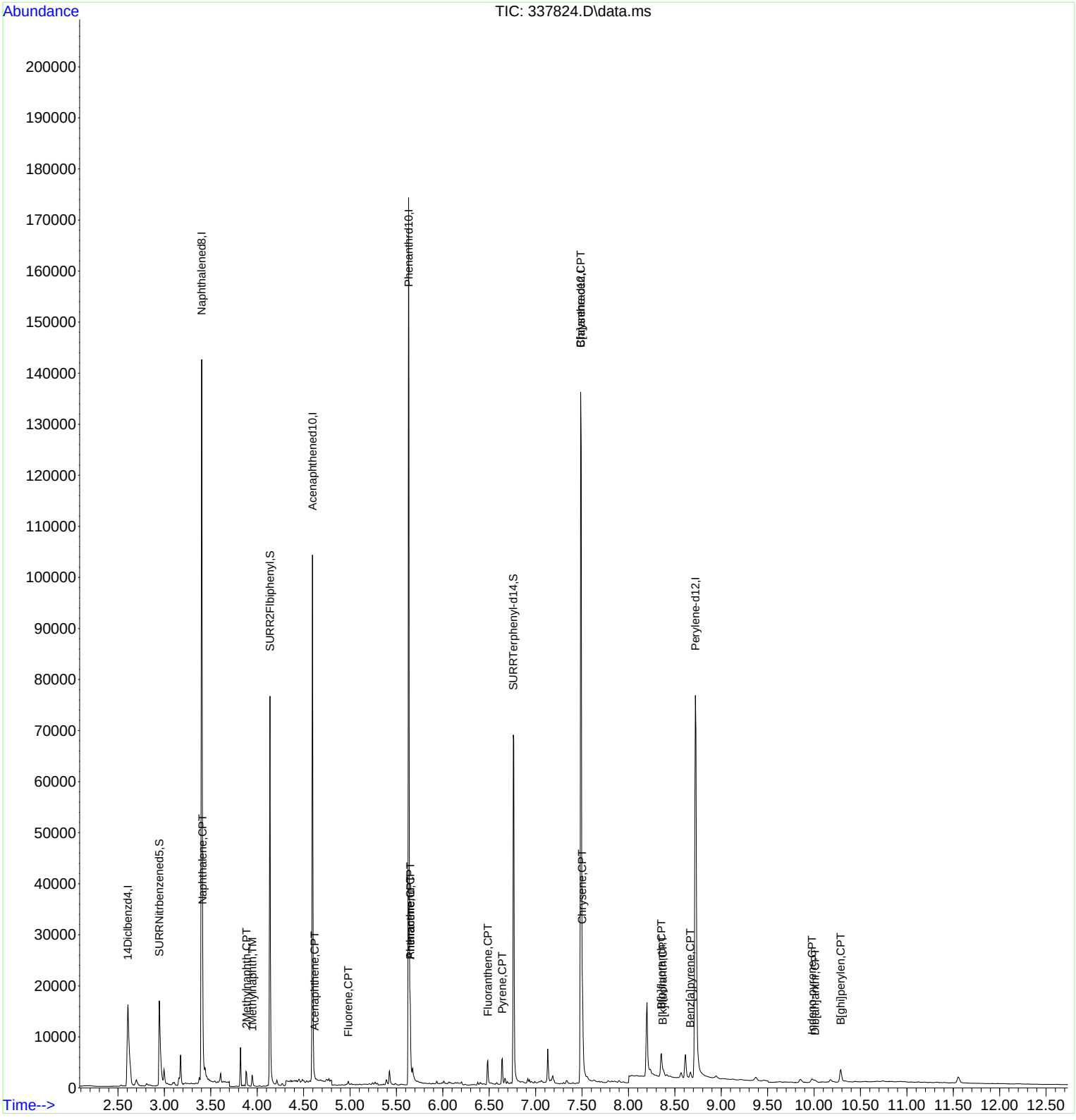
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.607	152	25138	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	104024	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	62449	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	117126	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	113375	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	98942	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.946	82	25690	88.49	%REC	0.00
Spiked Amount 100.000			Recovery = 88.49%			
8) SURR2Flbiphenyl	4.138	172	53329	74.56	%REC	0.00
Spiked Amount 100.000			Recovery = 74.56%			
18) SURRTerphenyl-d14	6.760	244	58692	77.54	ng/mL	0.00
Spiked Amount 100.000			Recovery = 77.54%			
Target Compounds						Qvalue
4) Naphthalene	3.413	128	2578	28.1253	ng/mL#	1
5) 2Methylnaphth	3.885	142	1450	26.9060	ng/mL	75
6) 1Methylnaphth	3.950	142	1050	15.0395	ng/mL	97
10) Acenaphthene	4.619	154	313	5.1527	ng/mL#	72
11) Fluorene	4.983	166	344	5.1565	ng/mL	93
13) Phenanthrene	5.650	178	7056	70.7365	ng/mL	98
14) Anthracene	5.650	178	8057	69.4078	ng/mL	99
15) Fluoranthene	6.485	202	3970	30.0637	ng/mL	98
17) Pyrene	6.641	202	4437	30.6418	ng/mL	95
19) B[a]anthracen	7.485	228	1957m	21.9102	ng/mL	
20) Chrysene	7.501	228	12680m	91.9446	ng/mL	
22) B[b]fluoranth	8.355	252	5137	54.5841	ng/mL	100
23) B[k]fluoranth	8.372	252	741m	5.4602	ng/mL	
24) Benz[a]pyrene	8.668	252	1200	11.8752	ng/mL	91
25) Indeno-pyrene	9.977	276	1307	17.8849	ng/mL	90
26) Dib[ah]anthr	10.011	278	458	8.7413	ng/mL	86
27) B[ghi]perylen	10.287	276	3768	52.2643	ng/mL	99

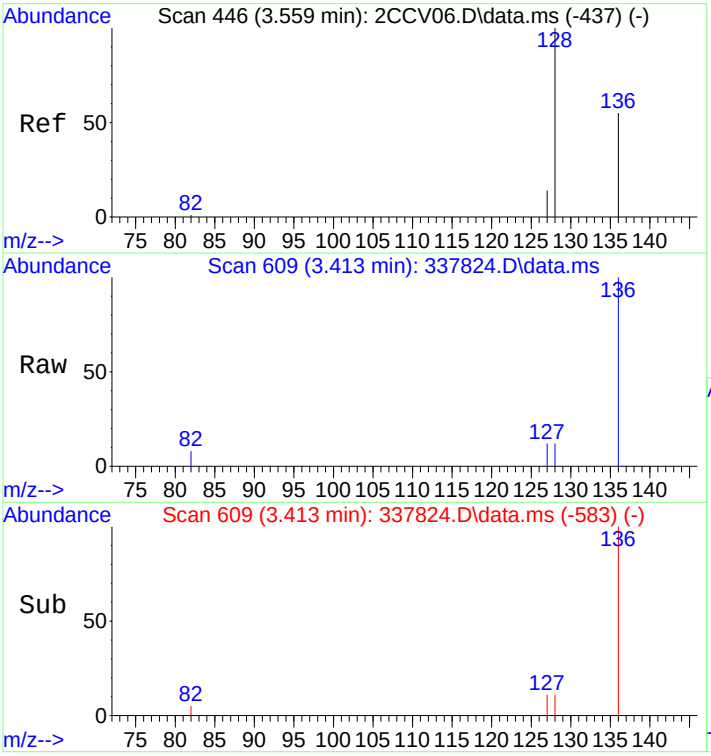
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337824.D Vial: 14
Acq On : 22 Aug 2013 16:46 Operator: RPN
Sample : 96978,337824, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 11:22:13 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 11:18:52 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

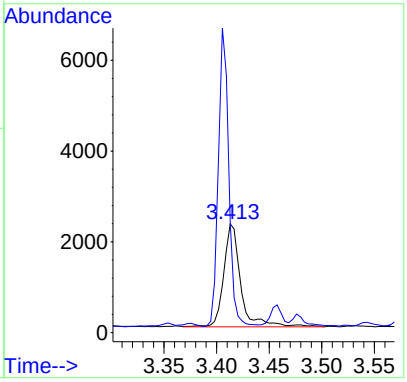


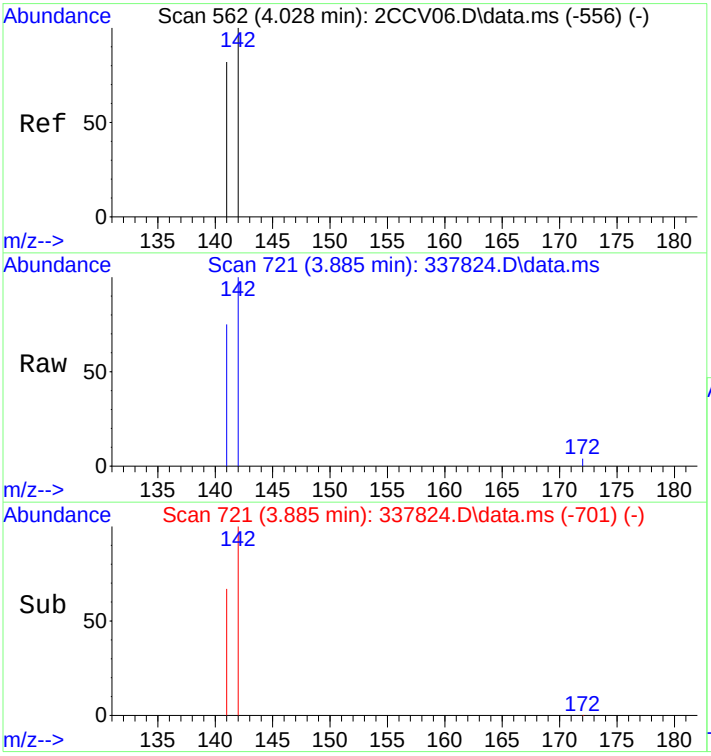


#4
Naphthalene
Concen: 28.13 ng/mL
RT: 3.413 min Scan# 609
Delta R.T. -0.004 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:128 Resp: 2578

Ion	Ratio	Lower	Upper
128	100		
127	99.8	0.0	42.4#

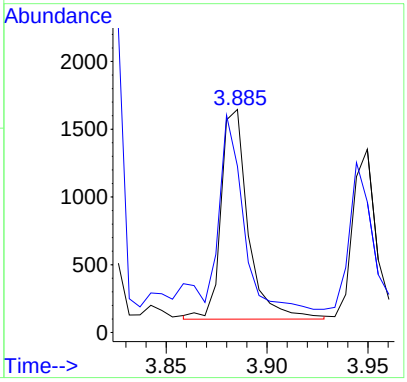


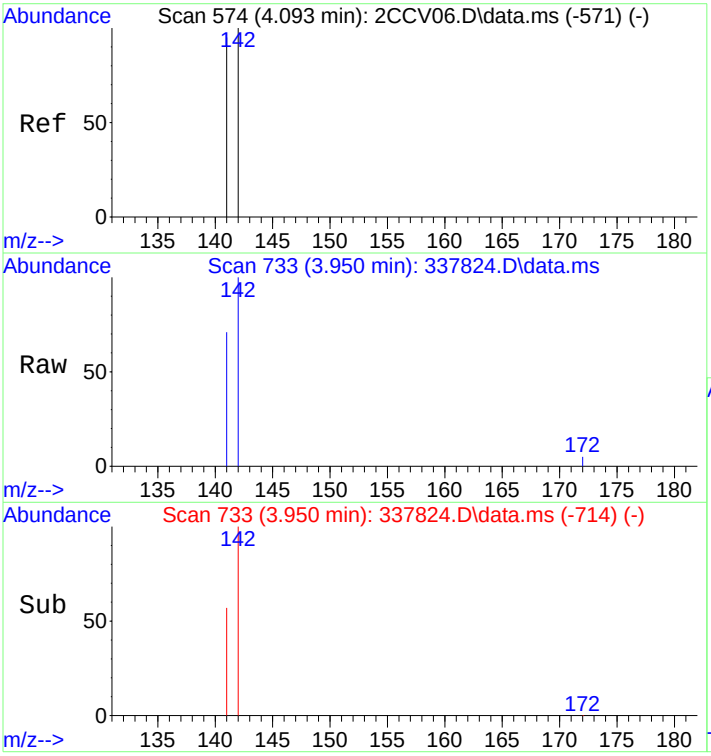


#5
2Methylnaphth
Concen: 26.91 ng/mL
RT: 3.885 min Scan# 721
Delta R.T. 0.005 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:142 Resp: 1450

Ion	Ratio	Lower	Upper
142	100		
141	103.7	51.8	111.8

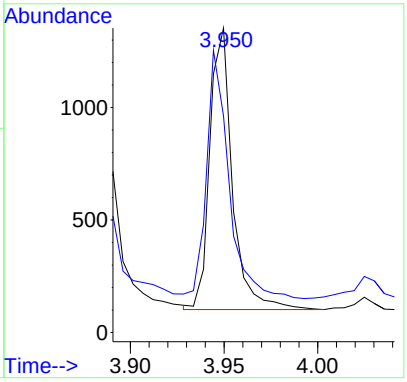


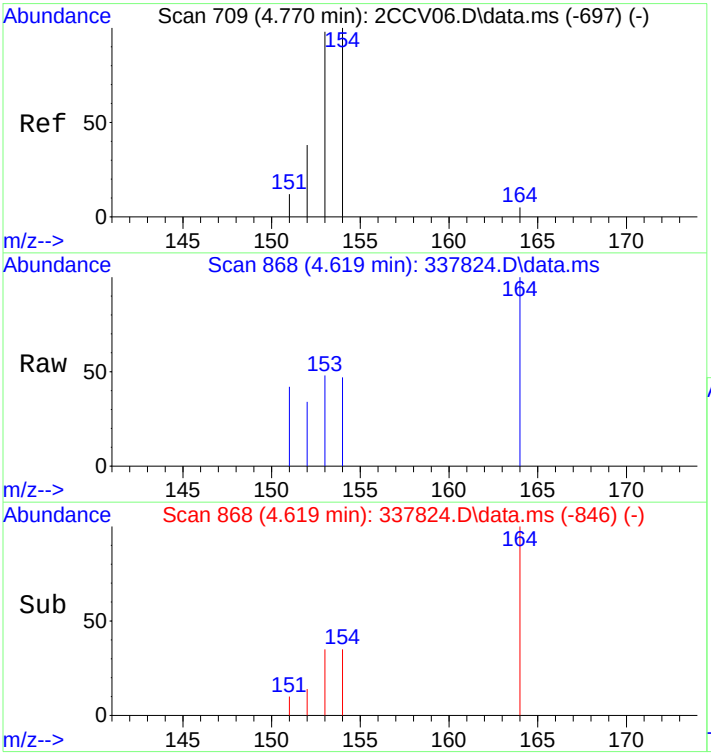


#6
1Methylnaphth
Concen: 15.04 ng/mL
RT: 3.950 min Scan# 733
Delta R.T. 0.000 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:142 Resp: 1050

Ion	Ratio	Lower	Upper
142	100		
141	87.2	54.2	114.2

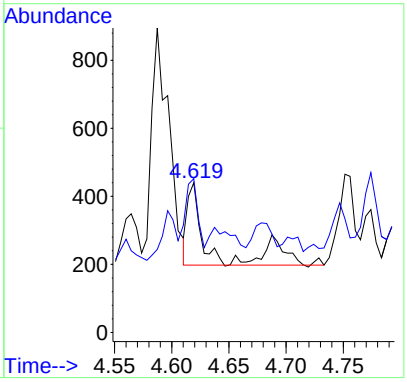


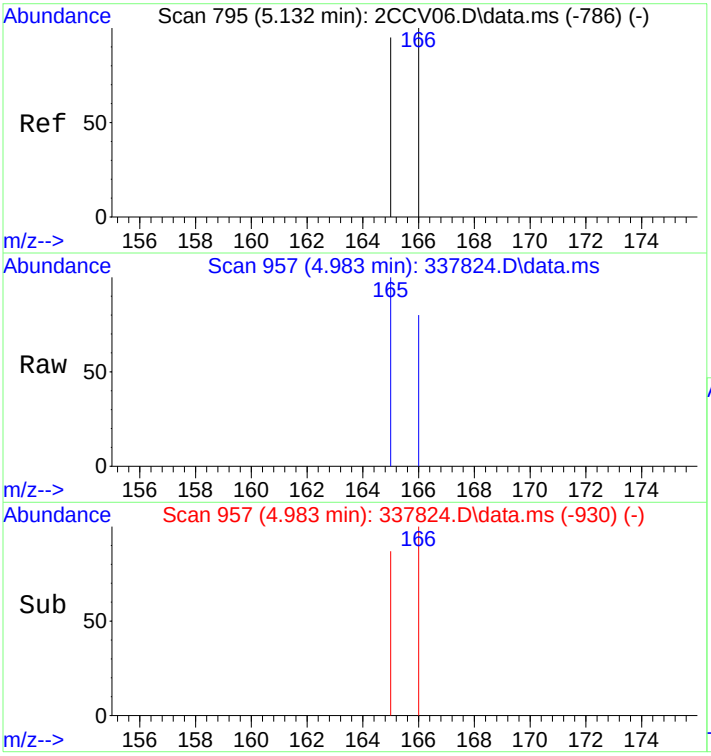


#10
Acenaphthene
Concen: 5.15 ng/mL
RT: 4.619 min Scan# 868
Delta R.T. 0.000 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:154 Resp: 313

Ion	Ratio	Lower	Upper
154	100		
153	84.3	84.6	144.6#

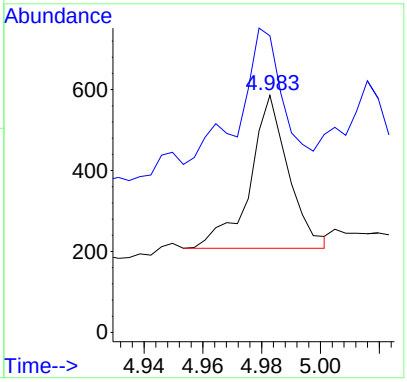


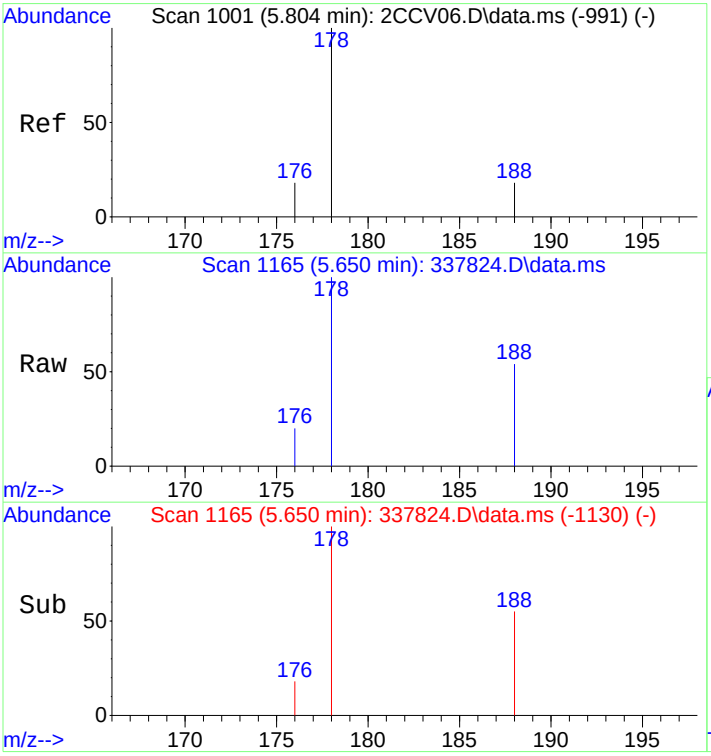


#11
Fluorene
Concen: 5.16 ng/mL
RT: 4.983 min Scan# 957
Delta R.T. 0.000 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:166 Resp: 344

Ion	Ratio	Lower	Upper
166	100		
165	84.1	47.7	107.7

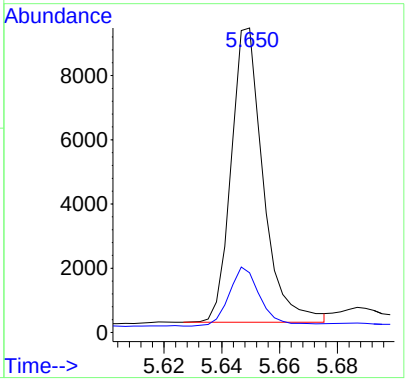


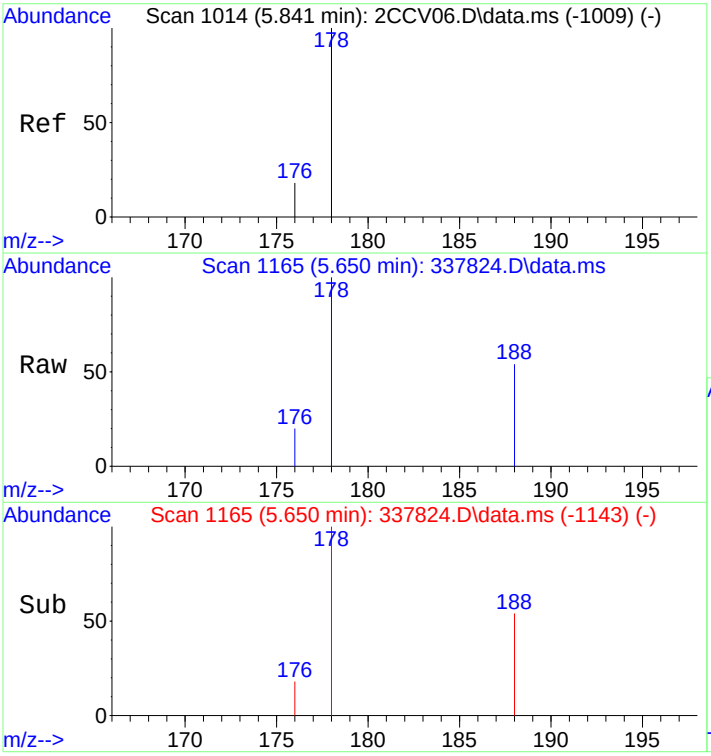


#13
Phenanthrene
Concen: 70.74 ng/mL
RT: 5.650 min Scan# 1165
Delta R.T. 0.000 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:178 Resp: 7056

Ion	Ratio	Lower	Upper
178	100		
176	18.1	0.0	49.2

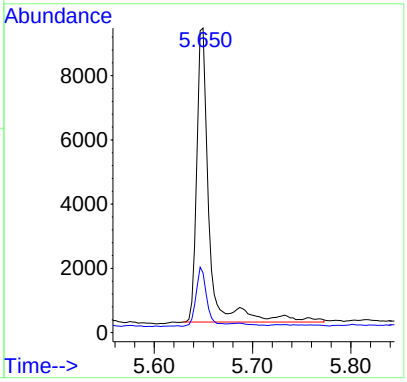


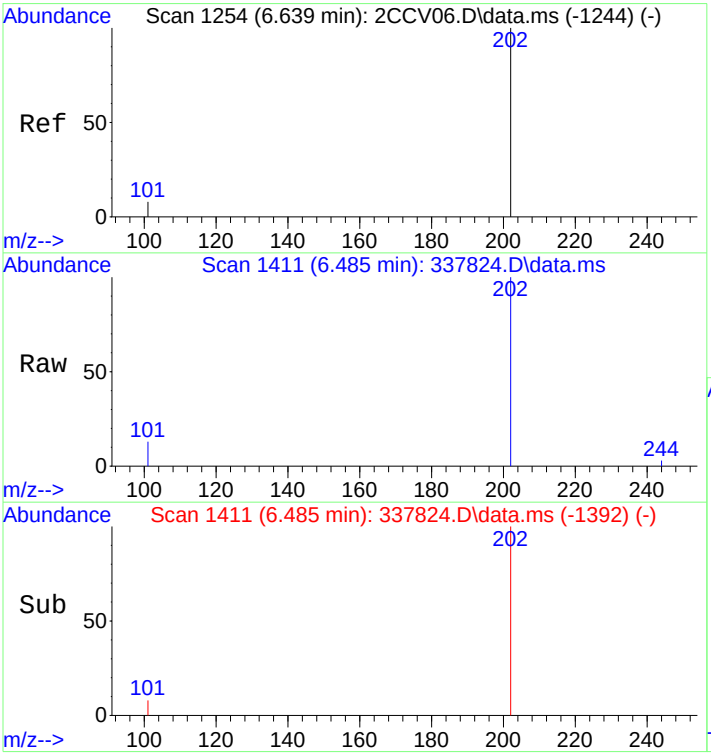


#14
Anthracene
Concen: 69.41 ng/mL
RT: 5.650 min Scan# 1165
Delta R.T. -0.036 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:178 Resp: 8057

Ion	Ratio	Lower	Upper
178	100		
176	18.1	0.0	47.9

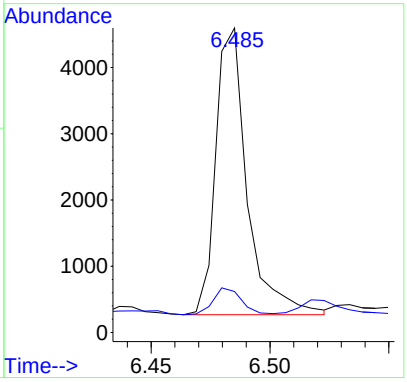


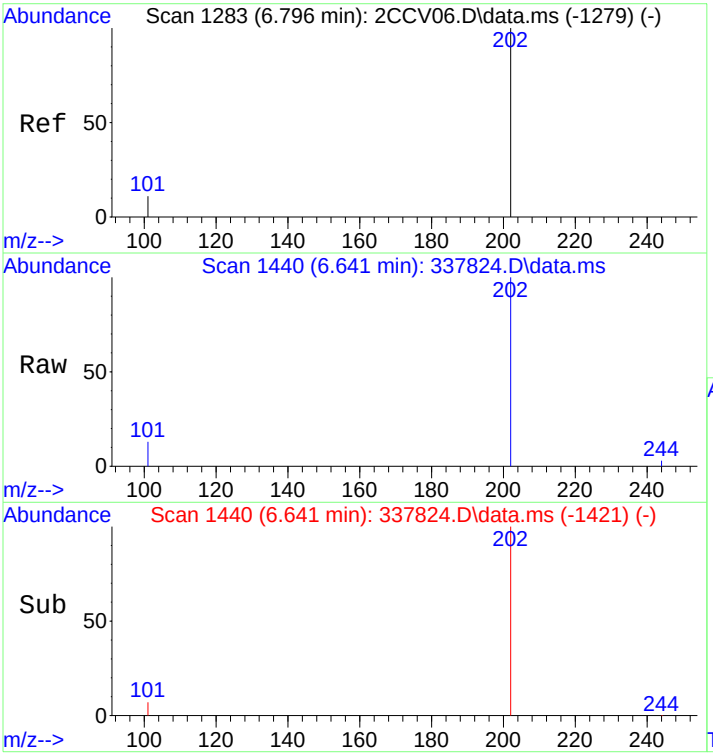


#15
Fluoranthene
Concen: 30.06 ng/mL
RT: 6.485 min Scan# 1411
Delta R.T. 0.000 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:202 Resp: 3970

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	37.5

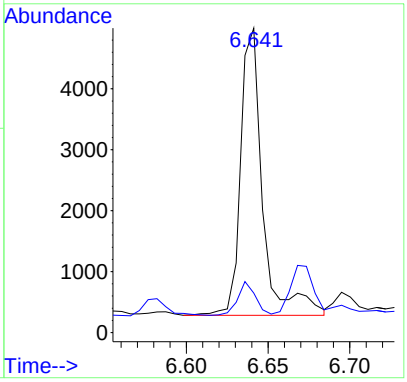


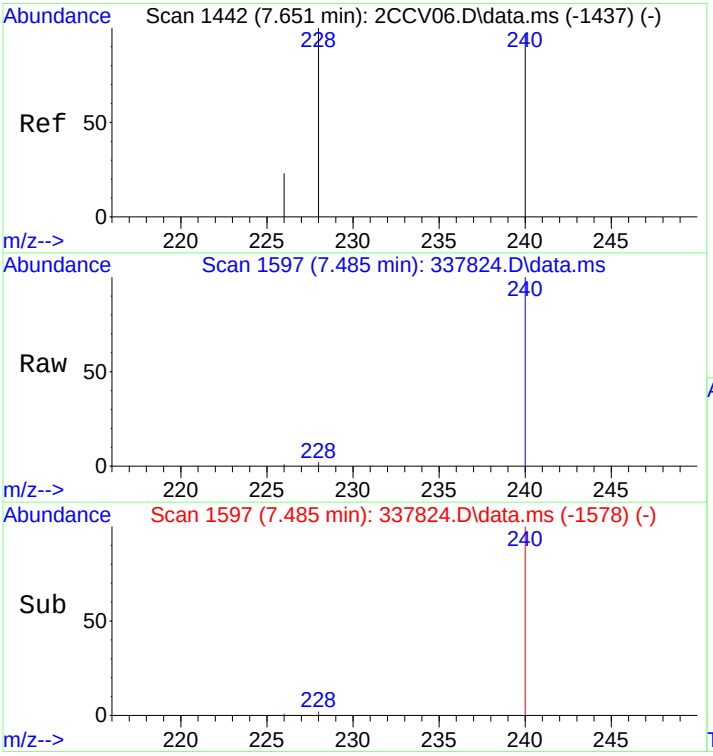


#17
Pyrene
Concen: 30.64 ng/mL
RT: 6.641 min Scan# 1440
Delta R.T. 0.000 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:202 Resp: 4437

Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	38.8

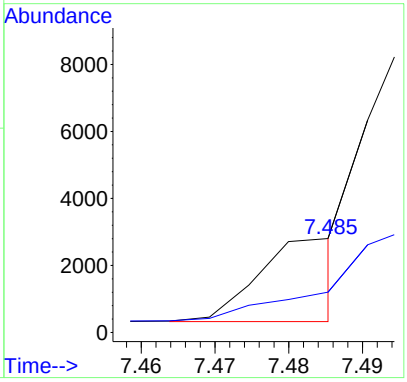


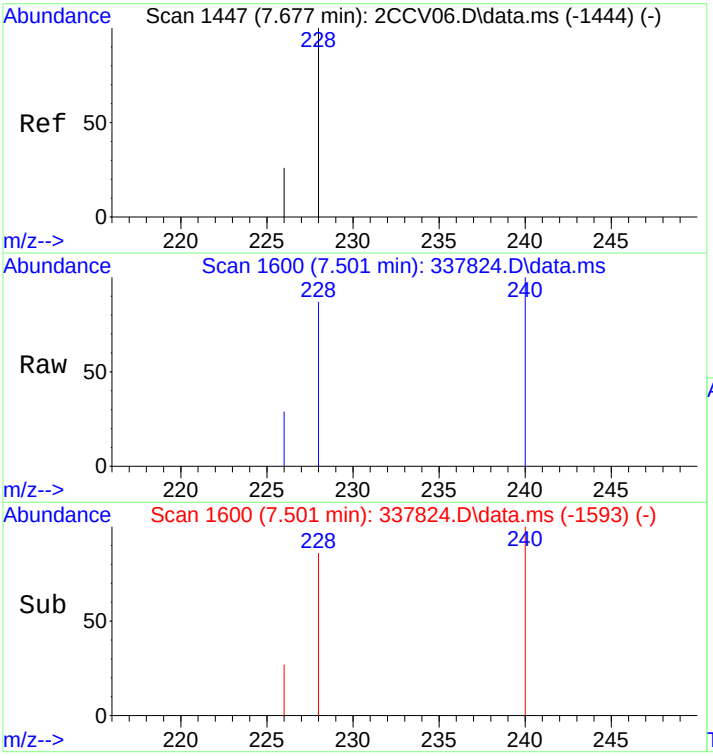


#19
B[a]anthracen
Concen: 21.91 ng/mL m
RT: 7.485 min Scan# 1597
Delta R.T. 0.000 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:228 Resp: 1957

Ion	Ratio	Lower	Upper
228	100		
226	42.9	0.0	58.4

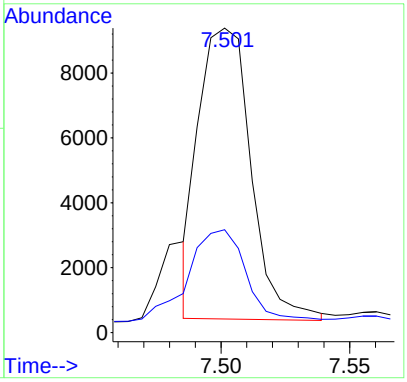


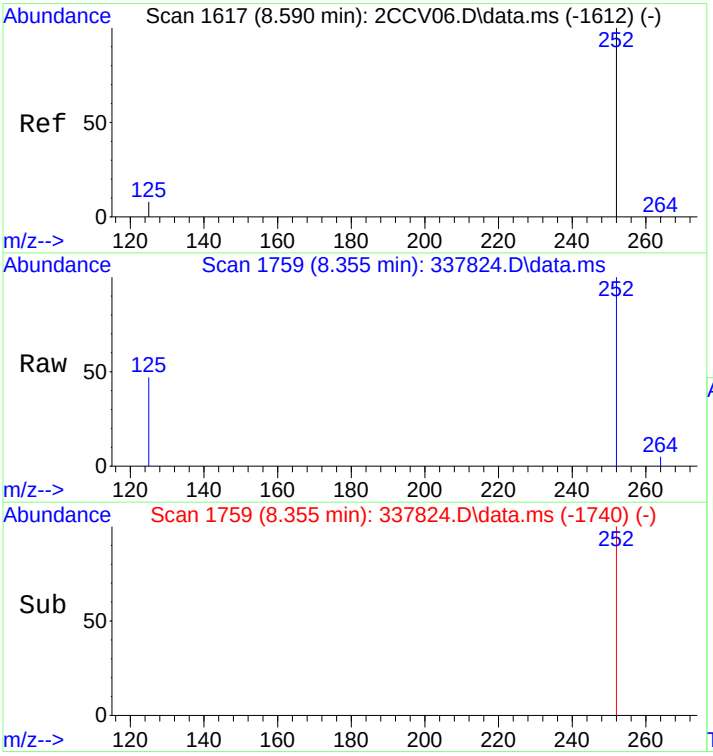


#20
Chrysene
Concen: 91.94 ng/mL m
RT: 7.501 min Scan# 1600
Delta R.T. -0.005 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:228 Resp: 12680

Ion	Ratio	Lower	Upper
228	100		
226	33.8	0.0	57.2

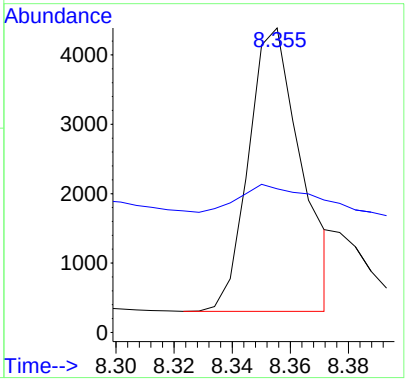


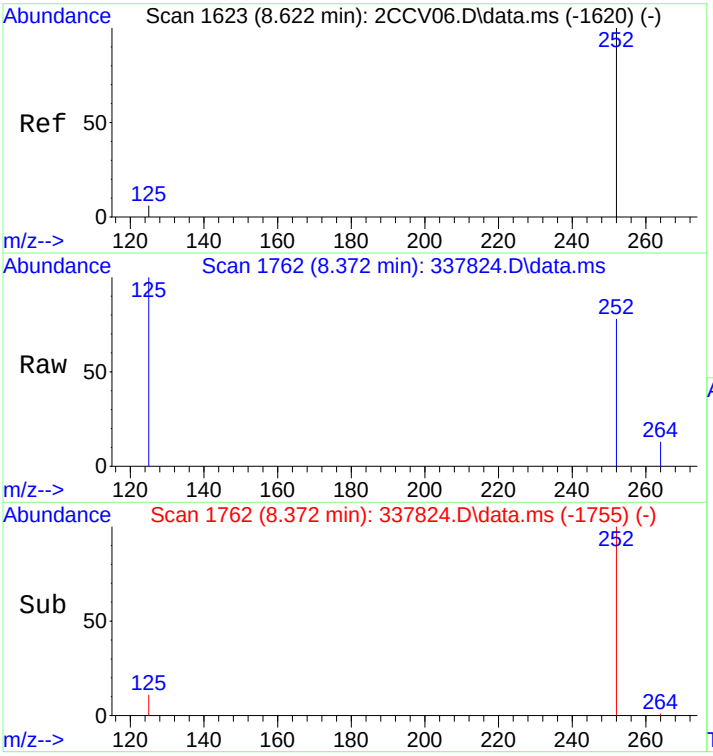


#22
B[b]fluoranth
Concen: 54.58 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. 0.000 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:252 Resp: 5137

Ion	Ratio	Lower	Upper
252	100		
125	7.8	0.0	37.8

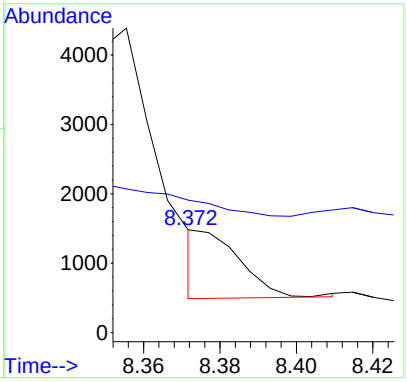


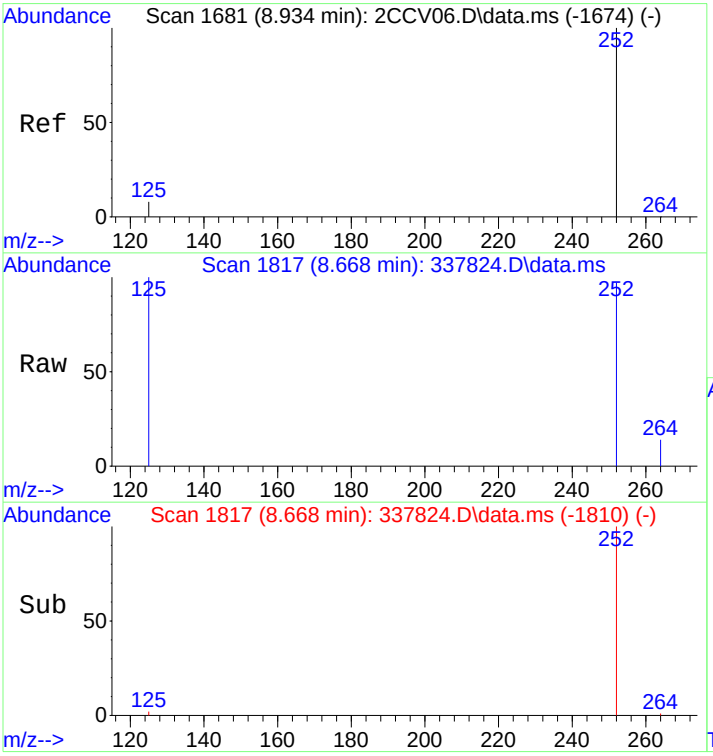


#23
B[k]fluoranth
Concen: 5.46 ng/mL m
RT: 8.372 min Scan# 1762
Delta R.T. -0.010 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:252 Resp: 741

Ion	Ratio	Lower	Upper
252	100		
125	128.8	0.0	37.7#

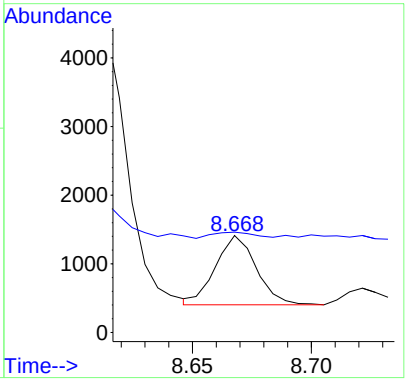


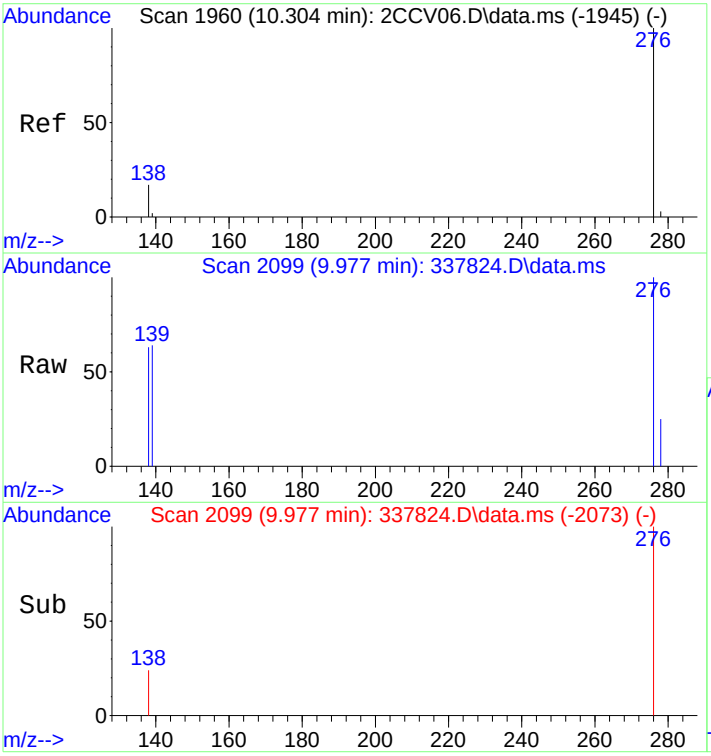


#24
Benz[a]pyrene
Concen: 11.88 ng/mL
RT: 8.668 min Scan# 1817
Delta R.T. 0.000 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:252 Resp: 1200

Ion	Ratio	Lower	Upper
252	100		
125	5.8	0.0	39.1

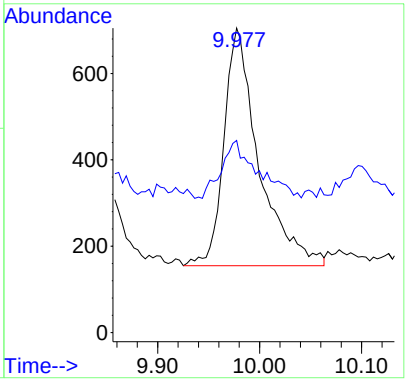


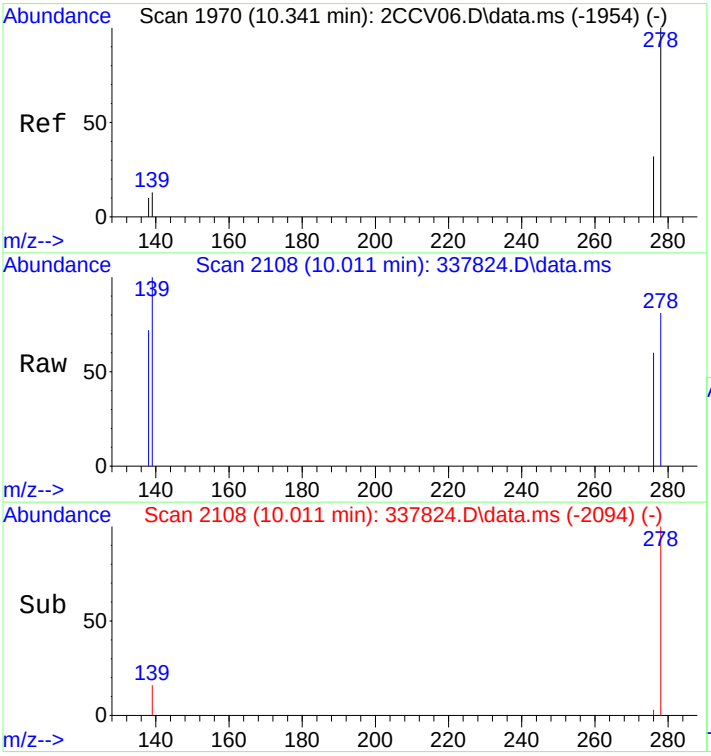


#25
Indeno-pyrene
Concen: 17.88 ng/mL
RT: 9.977 min Scan# 2099
Delta R.T. -0.004 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:276 Resp: 1307

Ion	Ratio	Lower	Upper
276	100		
138	22.9	0.0	48.6

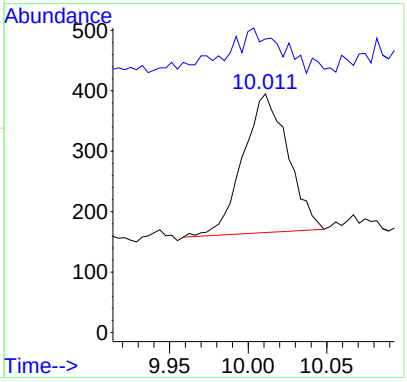


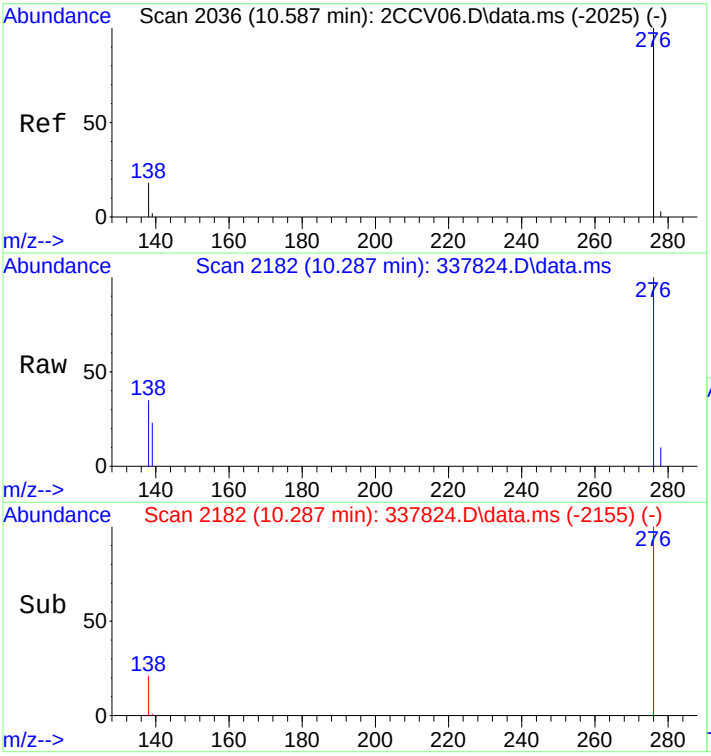


#26
Dib[ah]anthr
Concen: 8.74 ng/mL
RT: 10.011 min Scan# 2108
Delta R.T. -0.007 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:278 Resp: 458

Ion	Ratio	Lower	Upper
278	100		
139	21.1	0.0	45.4

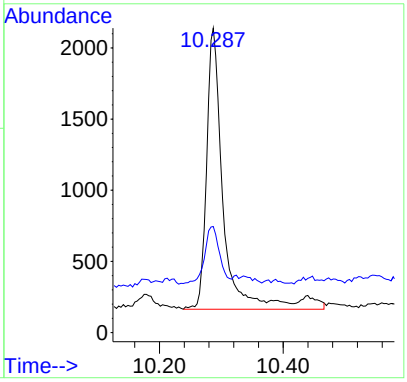


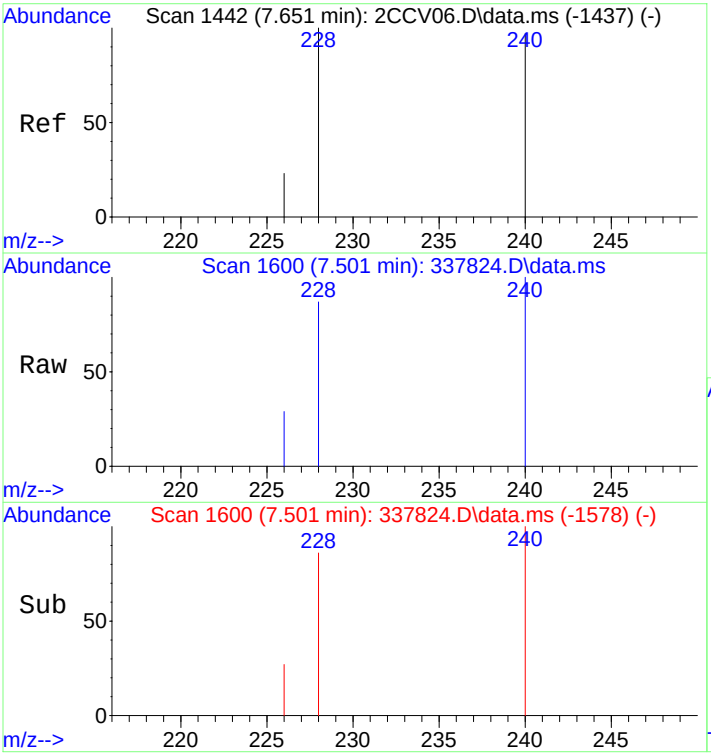


#27
B[ghi]perylen
Concen: 52.26 ng/mL
RT: 10.287 min Scan# 2182
Delta R.T. 0.000 min
Lab File: 337824.D
Acq: 22 Aug 13 4:46 pm

Tgt Ion:276 Resp: 3768

Ion	Ratio	Lower	Upper
276	100		
138	20.3	0.0	50.7

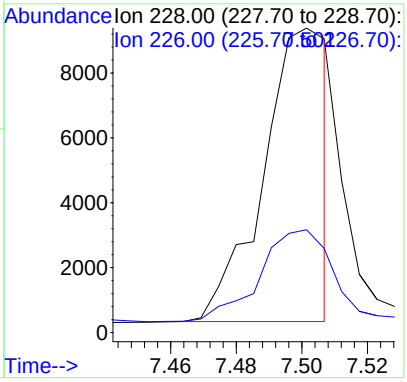




#19
B[a]anthracen
Concen: 138.79 ng/mL
RT: 7.501 min Scan# 1600
Delta R.T. 0.016 min
Lab File: 337824.D
Acq: 22 Aug 2013 16:46

Tgt Ion:228 Resp: 12397

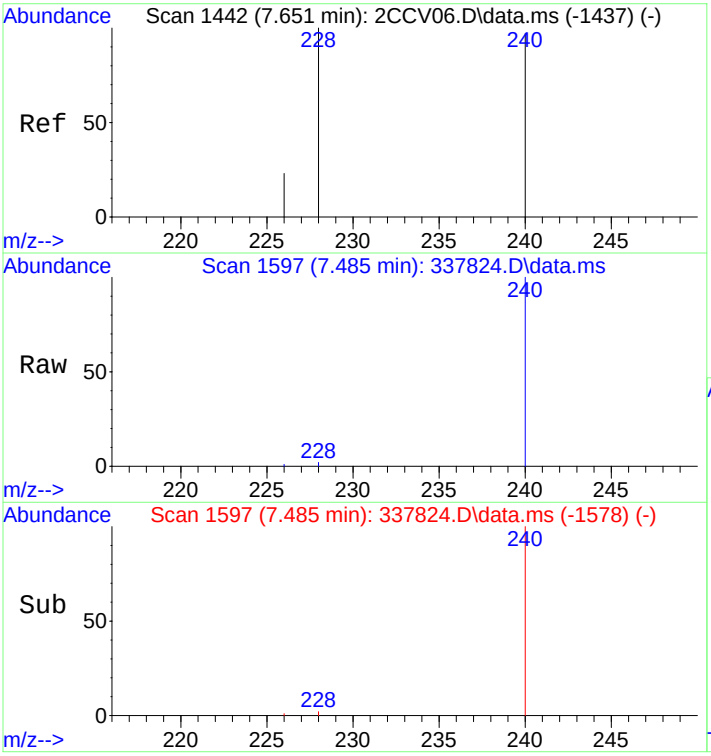
Ion	Ratio	Lower	Upper
228	100		
226	31.2	0.0	58.4



Reason#3

RPN
08/23/13

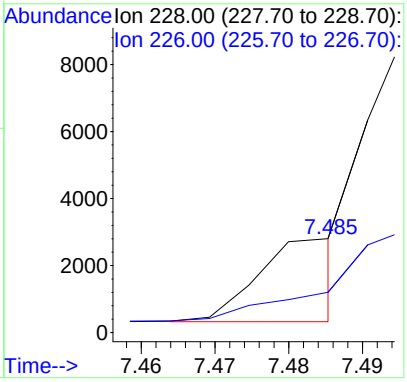
Before Manual Integration



#19
B[a]anthracen
Concen: 21.91 ng/mL m
RT: 7.485 min Scan# 1597
Delta R.T. 0.000 min
Lab File: 337824.D
Acq: 22 Aug 2013 16:46

Tgt Ion:228 Resp: 1957

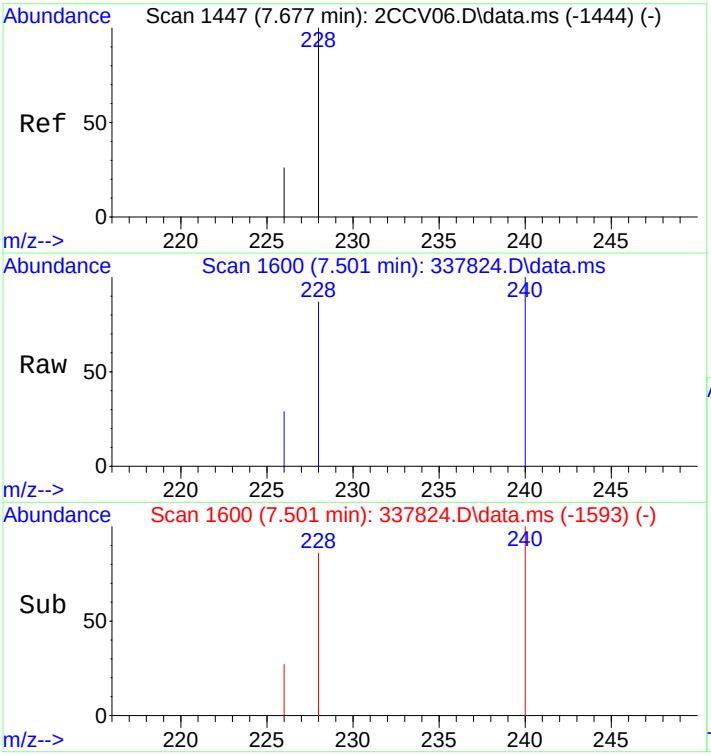
Ion	Ratio	Lower	Upper
228	100		
226	42.9	0.0	58.4



RPN
08/23/13

After Manual Integration

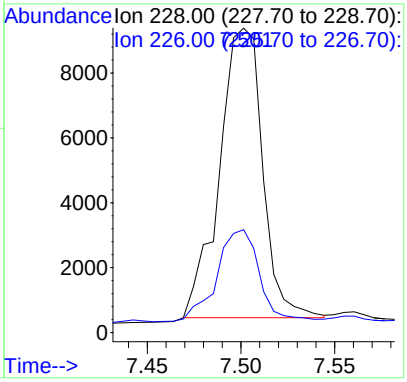
RED
09/04/2013



#20
Chrysene
Concen: 103.77 ng/mL
RT: 7.501 min Scan# 1600
Delta R.T. -0.005 min
Lab File: 337824.D
Acq: 22 Aug 2013 16:46

Tgt Ion:228 Resp: 14311

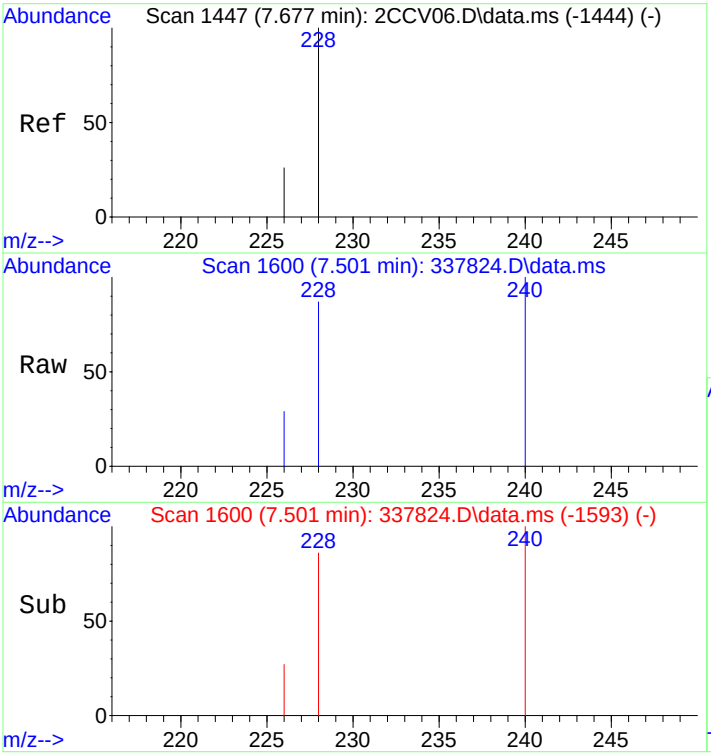
Ion	Ratio	Lower	Upper
228	100		
226	30.9	0.0	57.2



Reason#3

RPN
08/23/13

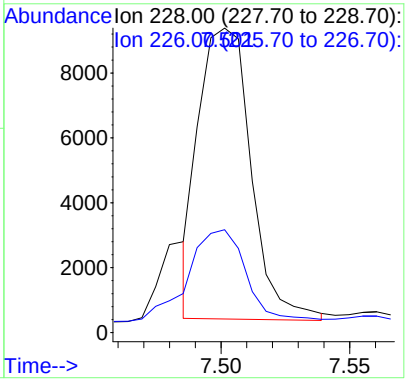
Before Manual Integration



#20
Chrysene
Concen: 91.94 ng/mL m
RT: 7.501 min Scan# 1600
Delta R.T. -0.005 min
Lab File: 337824.D
Acq: 22 Aug 2013 16:46

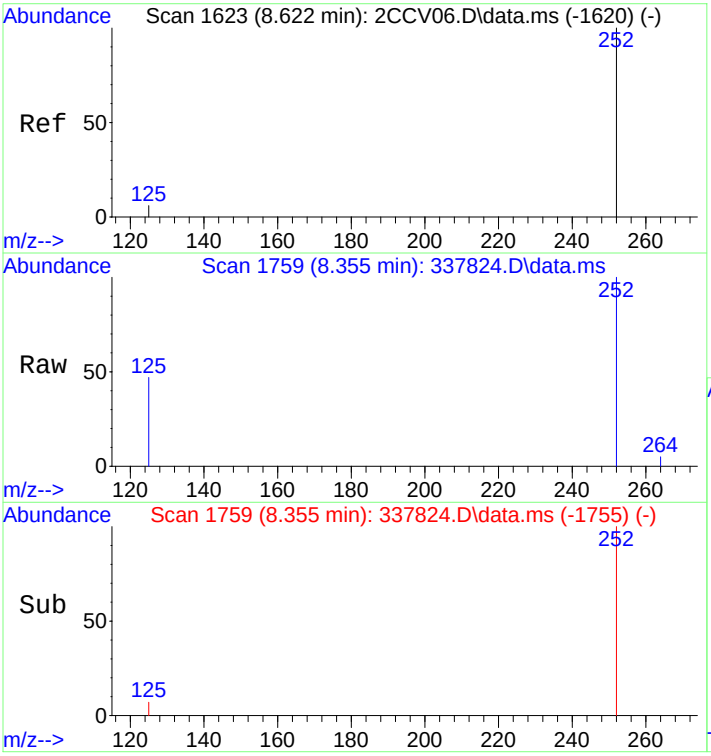
Tgt Ion:228 Resp: 12680

Ion	Ratio	Lower	Upper
228	100		
226	33.8	0.0	57.2



RPN
08/23/13

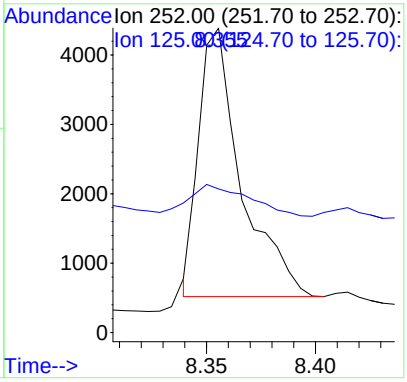
After Manual Integration



#23
B[k]fluoranth
Concen: 38.58 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. -0.027 min
Lab File: 337824.D
Acq: 22 Aug 2013 16:46

Tgt Ion:252 Resp: 5236

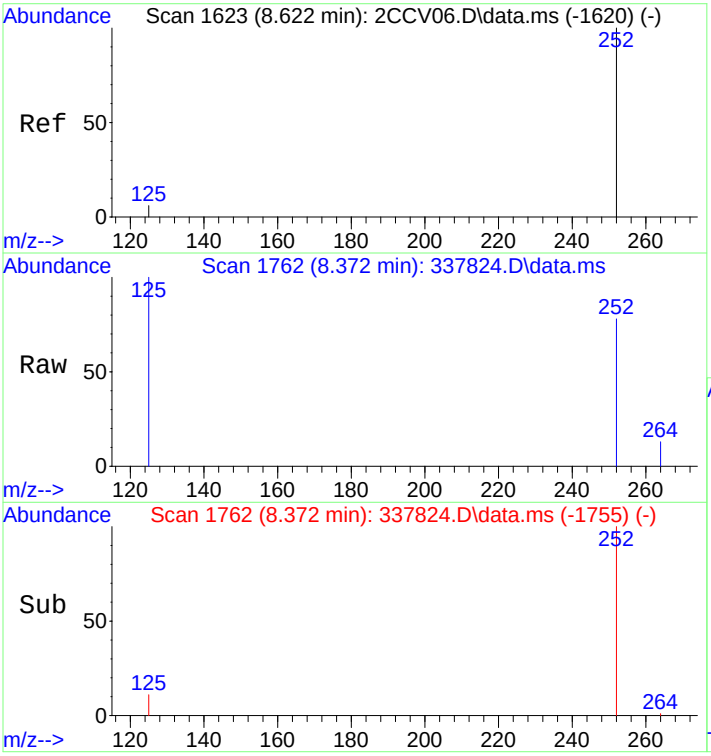
Ion	Ratio	Lower	Upper
252	100		
125	8.7	0.0	37.7



Reason#3

RPN
08/23/13

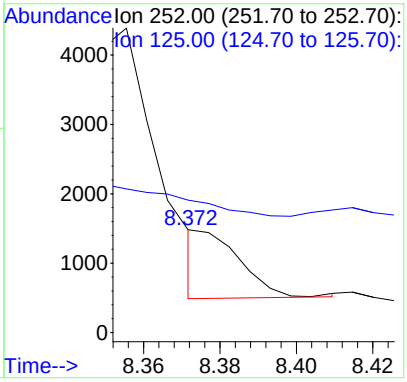
Before Manual Integration



#23
B[k]fluoranth
Concen: 5.46 ng/mL m
RT: 8.372 min Scan# 1762
Delta R.T. -0.010 min
Lab File: 337824.D
Acq: 22 Aug 2013 16:46

Tgt Ion:252 Resp: 741

Ion	Ratio	Lower	Upper
252	100		
125	128.8	0.0	37.7#



RPN
08/23/13

RED
09/04/2013

After Manual Integration

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337826.D Vial: 15
Acq On : 22 Aug 2013 17:07 Operator: RPN
Sample : 96978,337826, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 11:29:03 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 11:18:52 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

MI

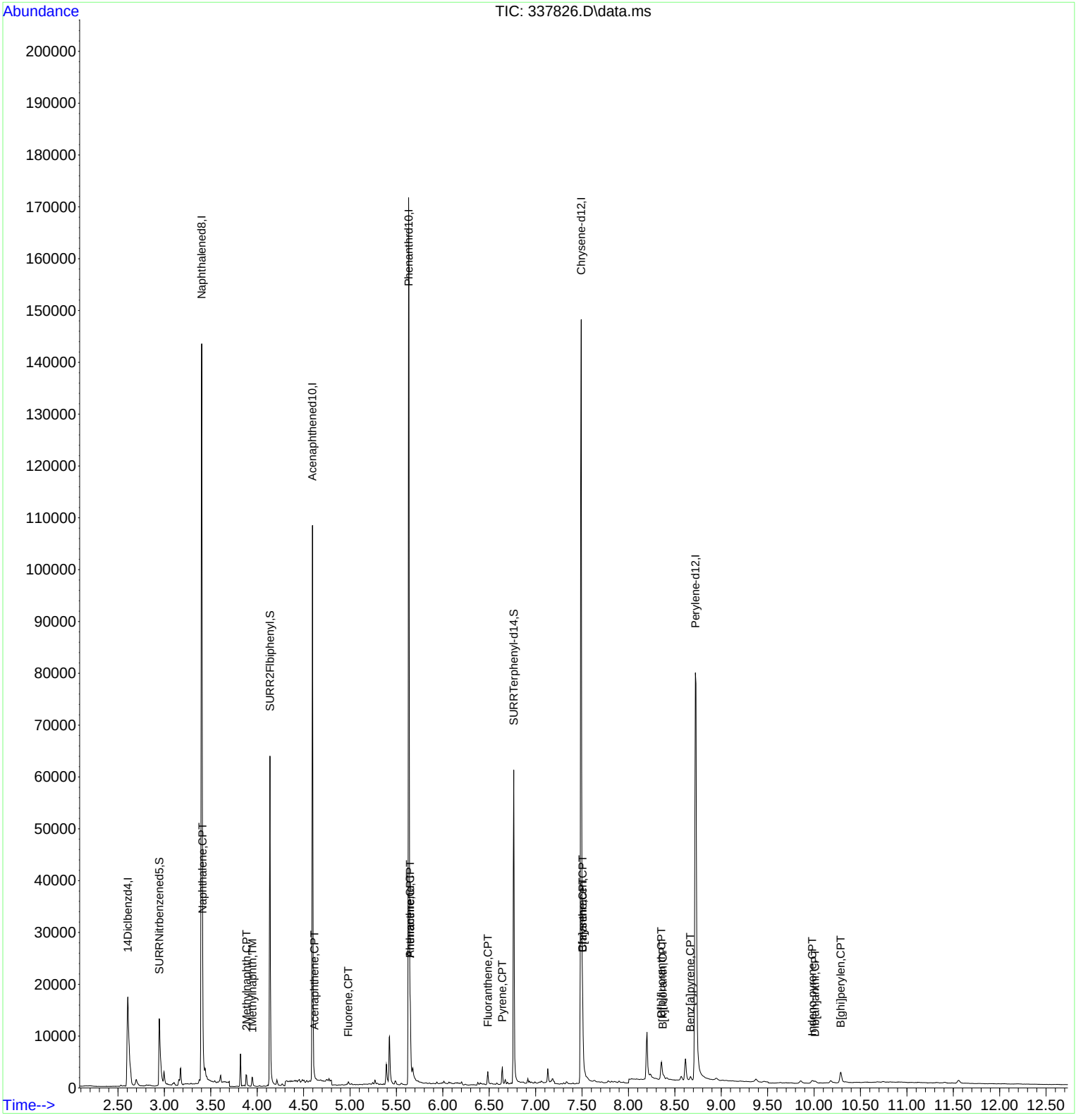
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.605	152	26292	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	109578	1000.00	ng/mL	0.00
7) Acenaphthened10	4.595	164	65293	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	123317	1000.00	ng/mL	0.00
16) Chrysene-d12	7.491	240	118410	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	105157	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.945	82	20781	67.95	%REC	0.00
Spiked Amount 100.000			Recovery = 67.95%			
8) SURR2Flbiphenyl	4.137	172	42867	57.32	%REC	0.00
Spiked Amount 100.000			Recovery = 57.32%			
18) SURRTerphenyl-d14	6.765	244	45774	57.91	ng/mL	0.00
Spiked Amount 100.000			Recovery = 57.91%			
Target Compounds						Qvalue
4) Naphthalene	3.413	128	2021	20.9310	ng/mL#	1
5) 2Methylnaphth	3.885	142	1196	21.0680	ng/mL	76
6) 1Methylnaphth	3.950	142	878	11.9385	ng/mL	93
10) Acenaphthene	4.618	154	327	5.1487	ng/mL#	71
11) Fluorene	4.982	166	327	4.6882	ng/mL	79
13) Phenanthrene	5.649	178	6474	61.6436	ng/mL	99
14) Anthracene	5.649	178	8090	66.1933	ng/mL	99
15) Fluoranthene	6.485	202	2041	14.6800	ng/mL	95
17) Pyrene	6.641	202	2557	16.9077	ng/mL	98
19) B[a]anthracen	7.507	228	11717	125.6032	ng/mL	95
20) Chrysene	7.507	228	11930	82.8278	ng/mL	96
22) B[b]fluoranth	8.355	252	3745	37.4413	ng/mL	99
23) B[k]fluoranth	8.371	252	515m	3.5706	ng/mL	
24) Benz[a]pyrene	8.668	252	774	7.2068	ng/mL	90
25) Indeno-pyrene	9.981	276	968	12.4632	ng/mL	100
26) Dib[ah]anthr	10.011	278	323	5.8004	ng/mL	72
27) B[ghi]perylen	10.287	276	3149	41.0970	ng/mL	95

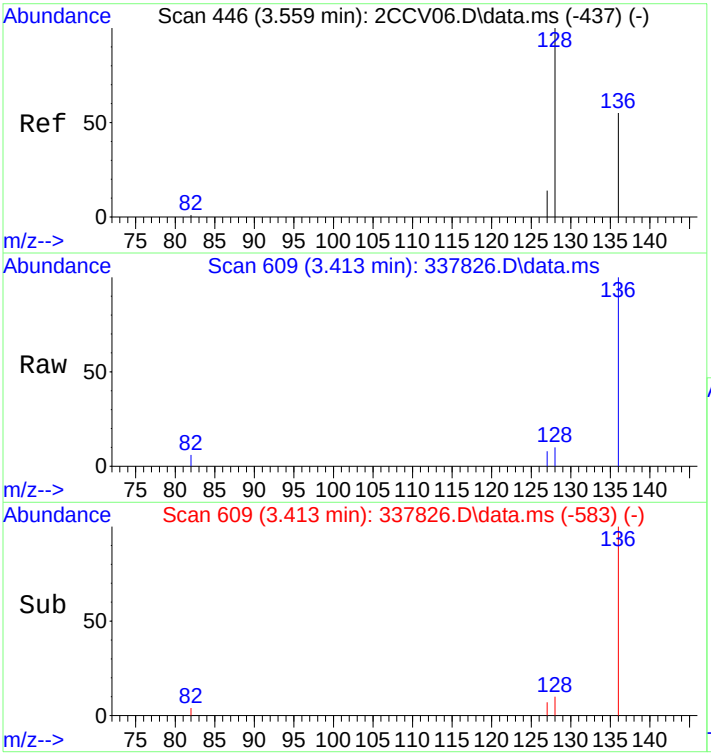
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337826.D Vial: 15
Acq On : 22 Aug 2013 17:07 Operator: RPN
Sample : 96978,337826, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 11:29:03 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 11:18:52 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

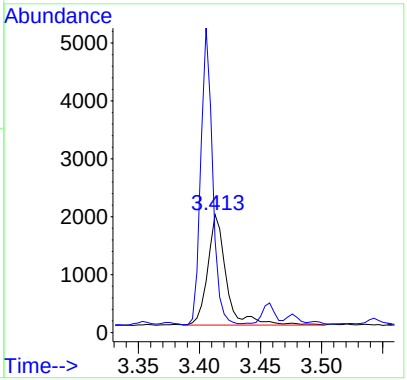


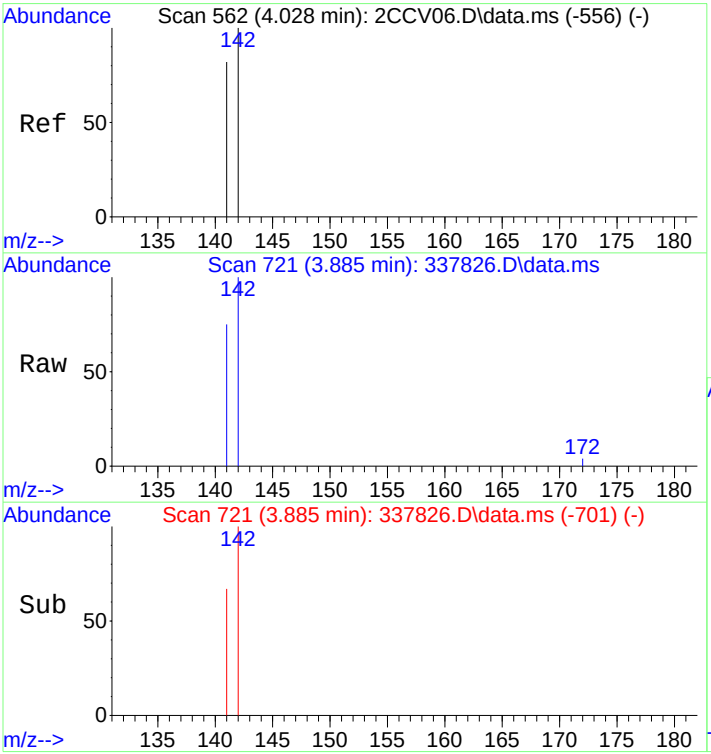


#4
Naphthalene
Concen: 20.93 ng/mL
RT: 3.413 min Scan# 609
Delta R.T. -0.004 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:128 Resp: 2021

Ion	Ratio	Lower	Upper
128	100		
127	77.3	0.0	42.4#

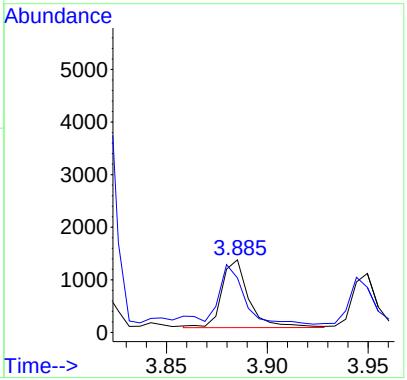


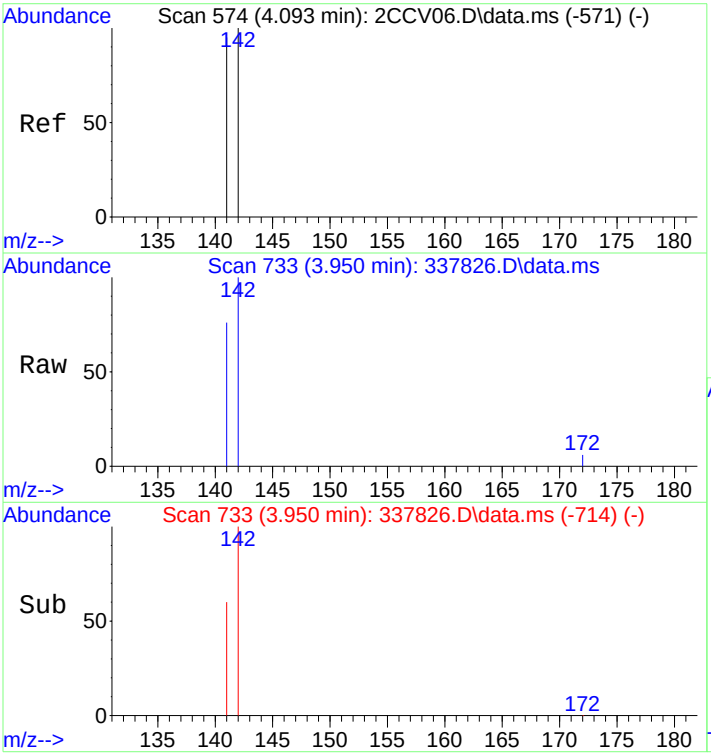


#5
2Methylnaphth
Concen: 21.07 ng/mL
RT: 3.885 min Scan# 721
Delta R.T. 0.005 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:142 Resp: 1196

Ion	Ratio	Lower	Upper
142	100		
141	103.7	51.8	111.8

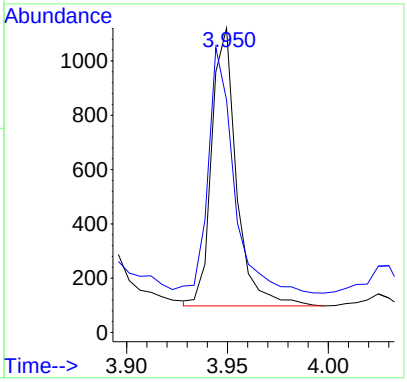


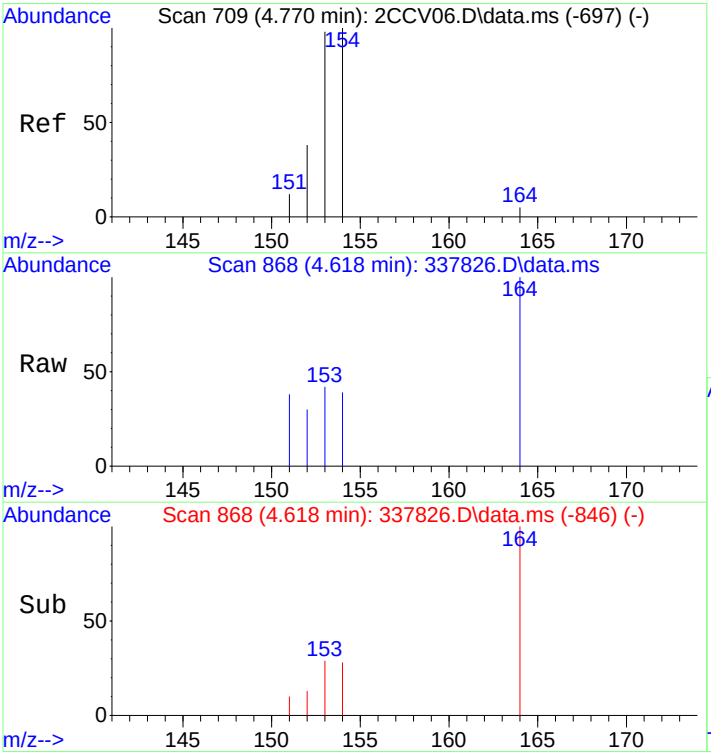


#6
1Methylnaphth
Concen: 11.94 ng/mL
RT: 3.950 min Scan# 733
Delta R.T. -0.000 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:142 Resp: 878

Ion	Ratio	Lower	Upper
142	100		
141	90.8	54.2	114.2

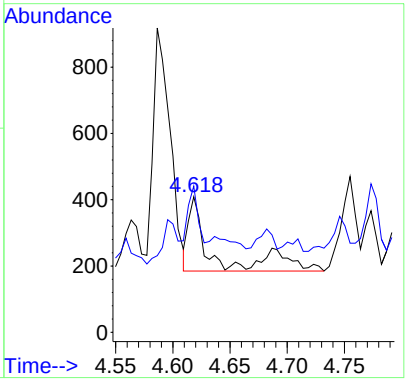


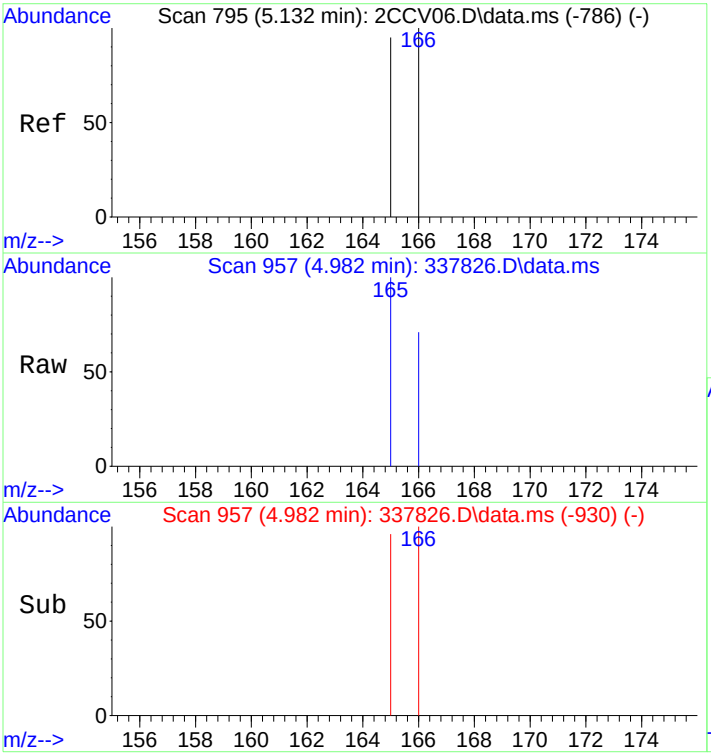


#10
Acenaphthene
Concen: 5.15 ng/mL
RT: 4.618 min Scan# 868
Delta R.T. -0.001 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:154 Resp: 327

Ion	Ratio	Lower	Upper
154	100		
153	83.5	84.6	144.6#

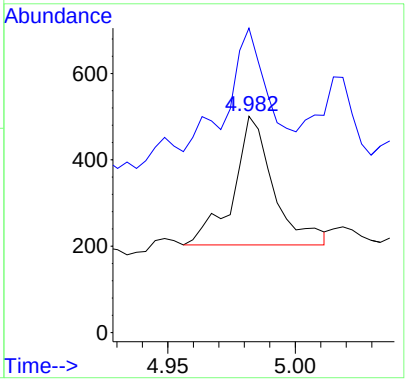


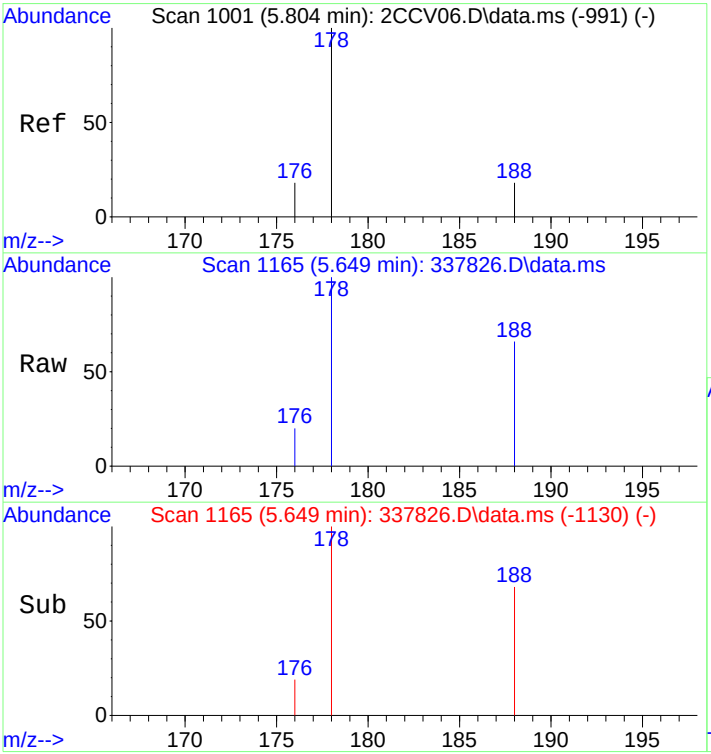


#11
Fluorene
Concen: 4.69 ng/mL
RT: 4.982 min Scan# 957
Delta R.T. -0.001 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:166 Resp: 327

Ion	Ratio	Lower	Upper
166	100		
165	96.0	47.7	107.7

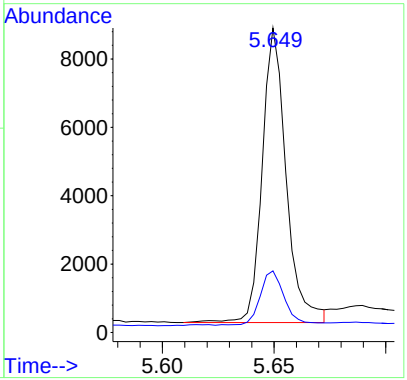


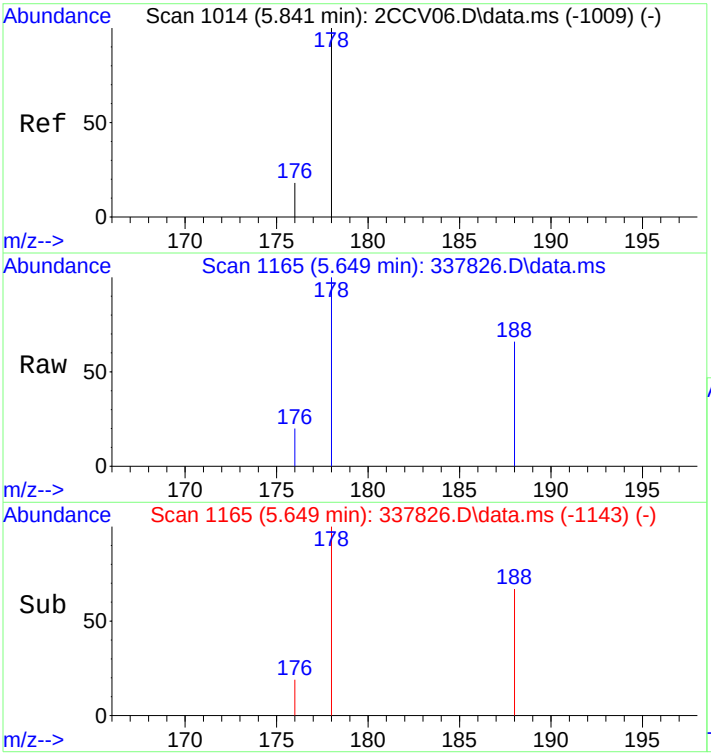


#13
Phenanthrene
Concen: 61.64 ng/mL
RT: 5.649 min Scan# 1165
Delta R.T. -0.000 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:178 Resp: 6474

Ion	Ratio	Lower	Upper
178	100		
176	18.5	0.0	49.2

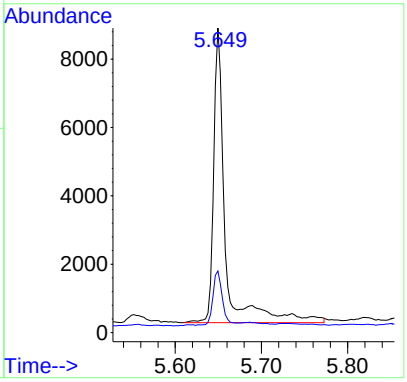


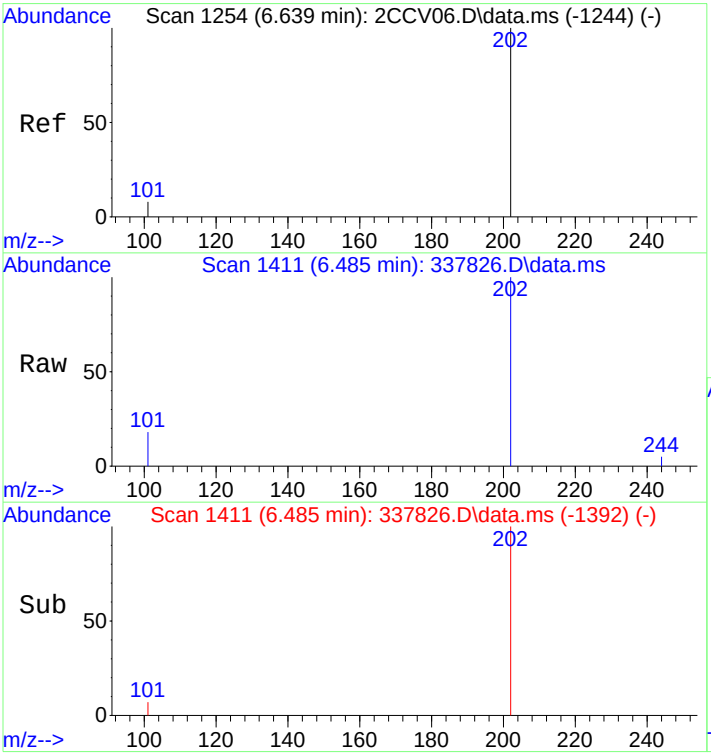


#14
Anthracene
Concen: 66.19 ng/mL
RT: 5.649 min Scan# 1165
Delta R.T. -0.037 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:178 Resp: 8090

Ion	Ratio	Lower	Upper
178	100		
176	18.5	0.0	47.9

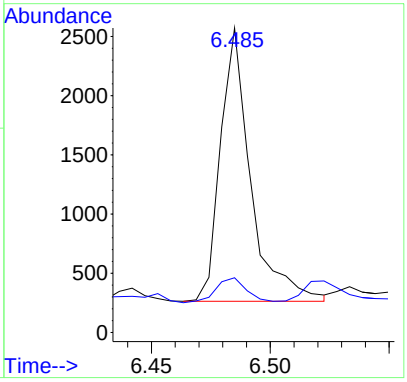


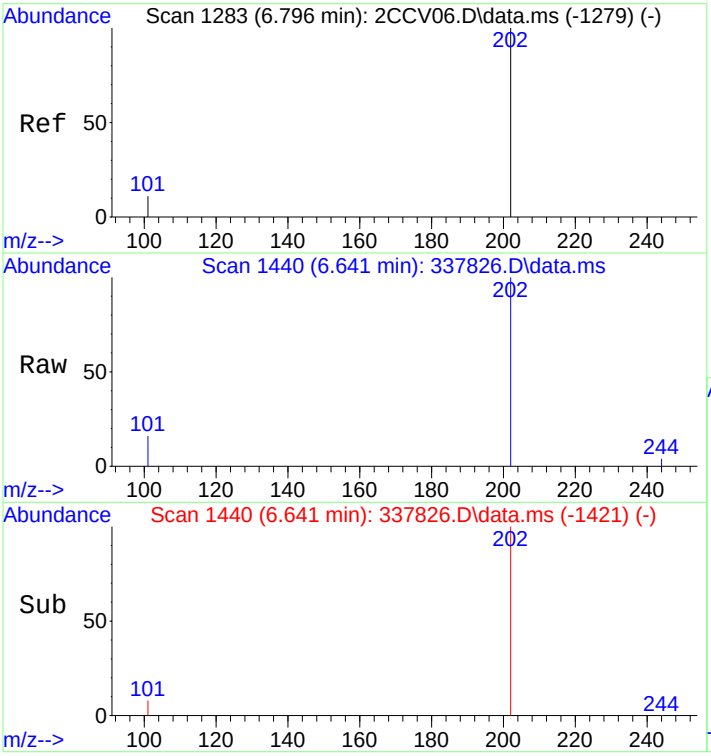


#15
Fluoranthene
Concen: 14.68 ng/mL
RT: 6.485 min Scan# 1411
Delta R.T. -0.000 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:202 Resp: 2041

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	37.5

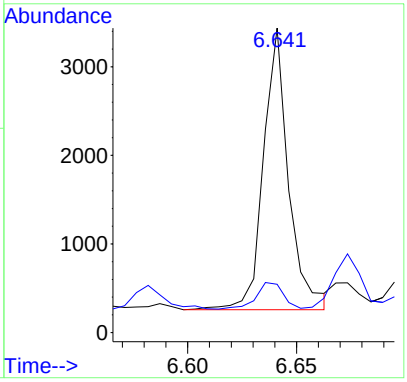


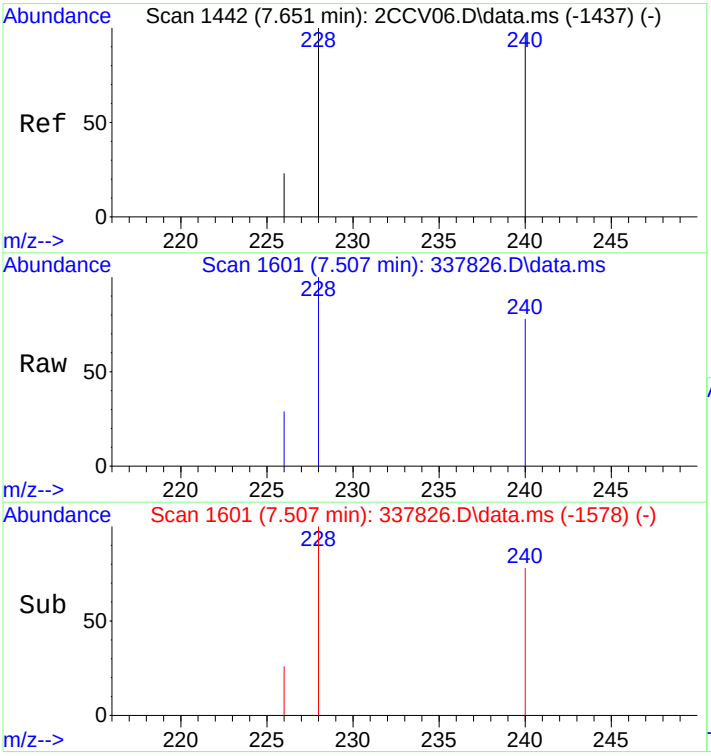


#17
Pyrene
Concen: 16.91 ng/mL
RT: 6.641 min Scan# 1440
Delta R.T. -0.000 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:202 Resp: 2557

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	38.8

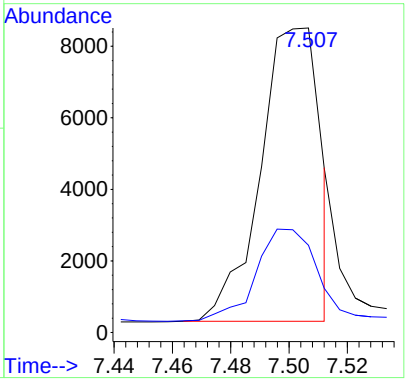


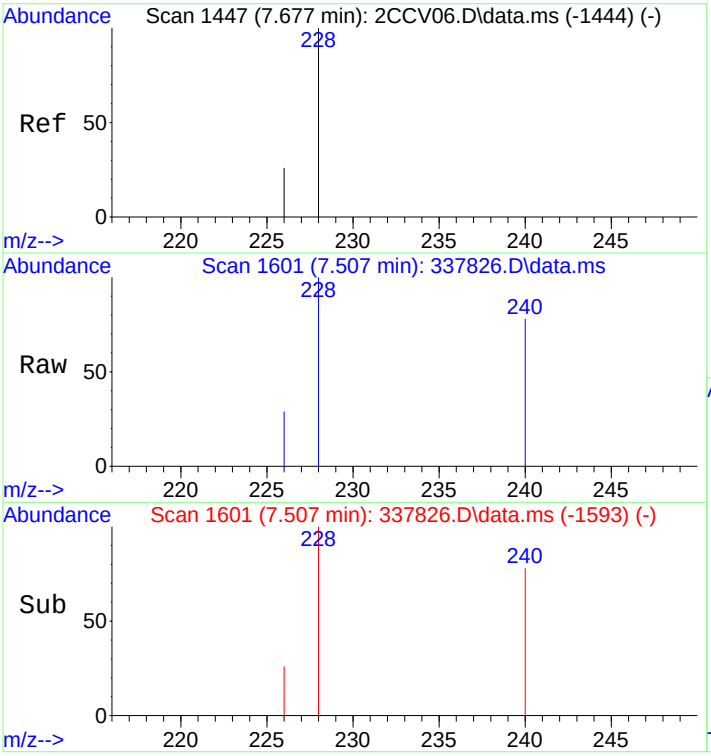


#19
B[a]anthracen
Concen: 125.60 ng/mL
RT: 7.507 min Scan# 1601
Delta R.T. 0.021 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:228 Resp: 11717

Ion	Ratio	Lower	Upper
228	100		
226	25.7	0.0	58.4

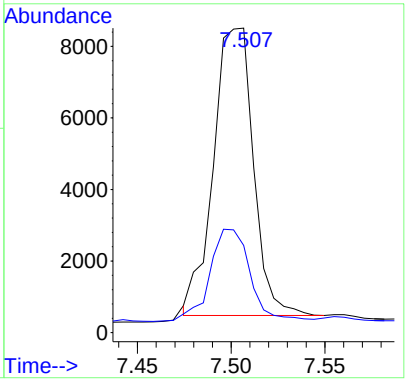


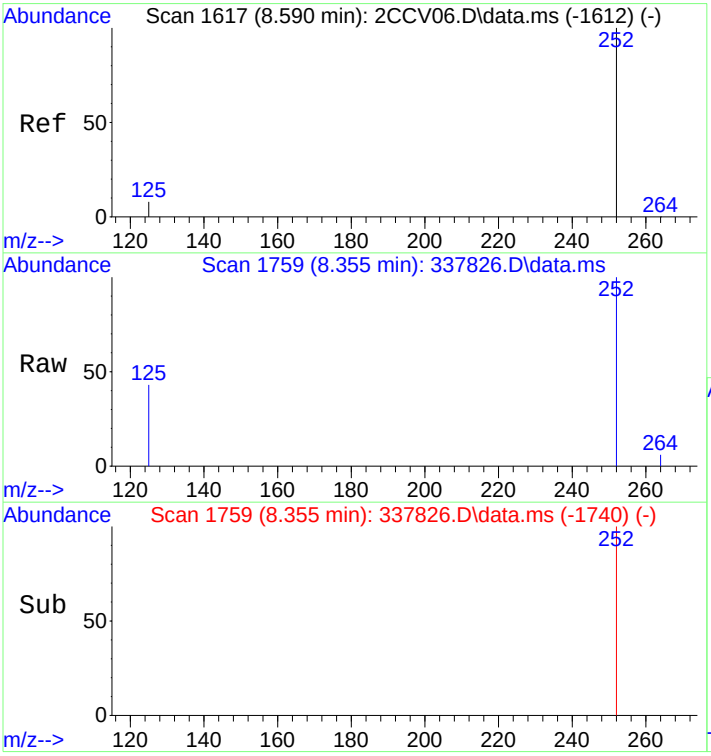


#20
Chrysene
Concen: 82.83 ng/mL
RT: 7.507 min Scan# 1601
Delta R.T. -0.000 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:228 Resp: 11930

Ion	Ratio	Lower	Upper
228	100		
226	25.3	0.0	57.2

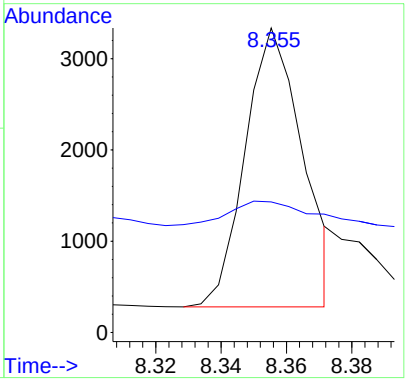


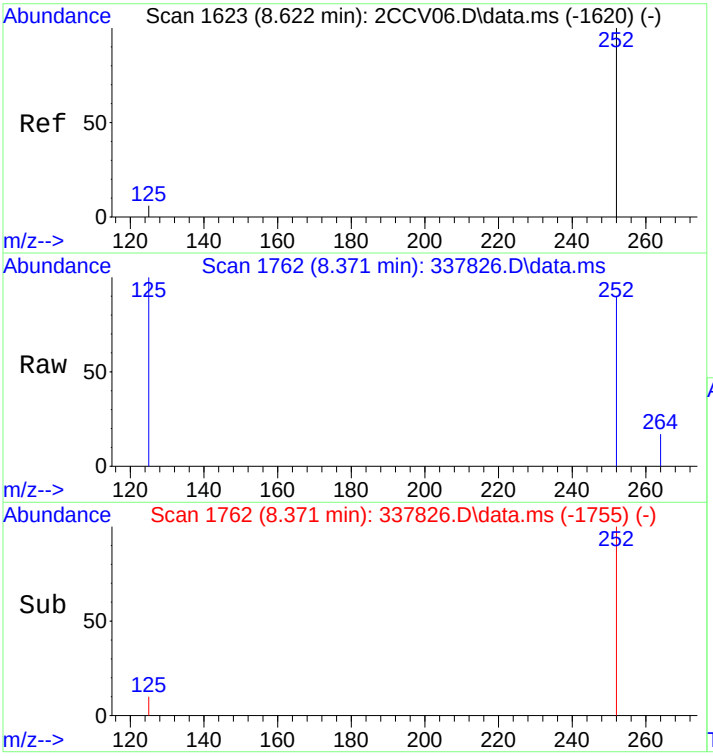


#22
B[b]fluoranth
Concen: 37.44 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. -0.000 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:252 Resp: 3745

Ion	Ratio	Lower	Upper
252	100		
125	8.1	0.0	37.8

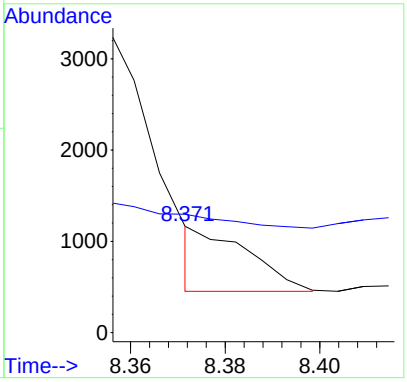


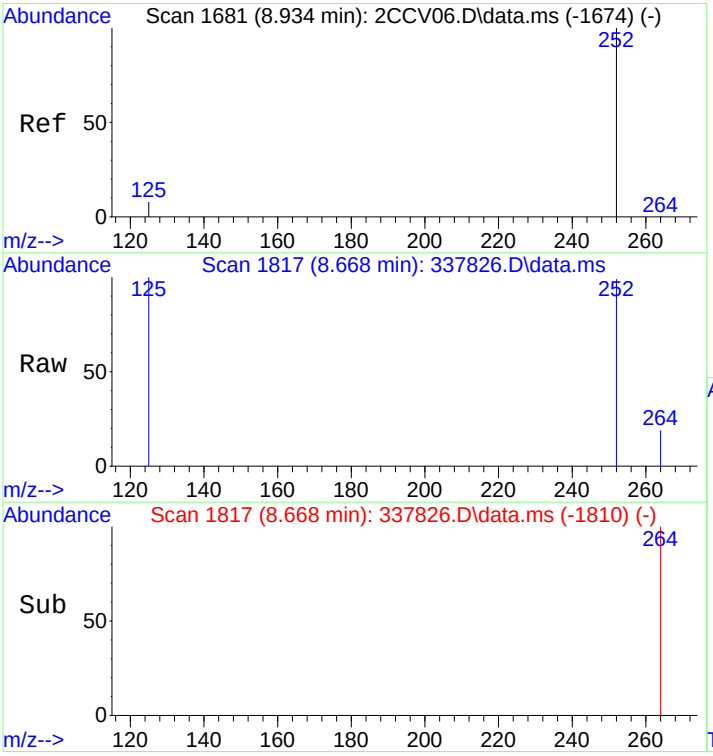


#23
B[k]fluoranth
Concen: 3.57 ng/mL m
RT: 8.371 min Scan# 1762
Delta R.T. -0.011 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:252 Resp: 515

Ion	Ratio	Lower	Upper
252	100		
125	111.4	0.0	37.7#

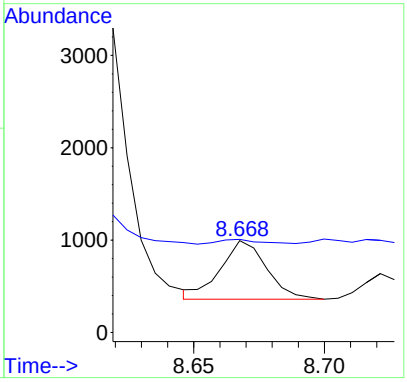


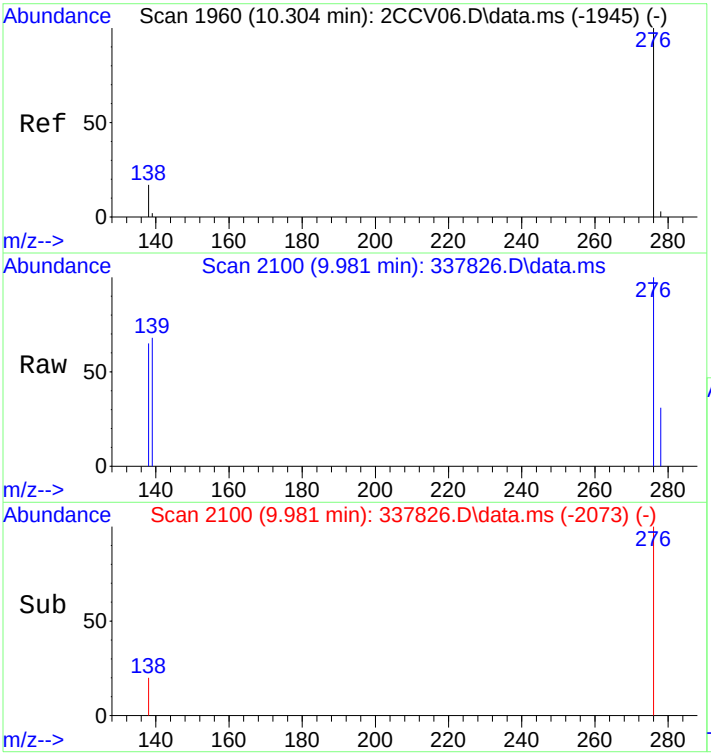


#24
Benz[a]pyrene
Concen: 7.21 ng/mL
RT: 8.668 min Scan# 1817
Delta R.T. -0.000 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:252 Resp: 774

Ion	Ratio	Lower	Upper
252	100		
125	5.5	0.0	39.1

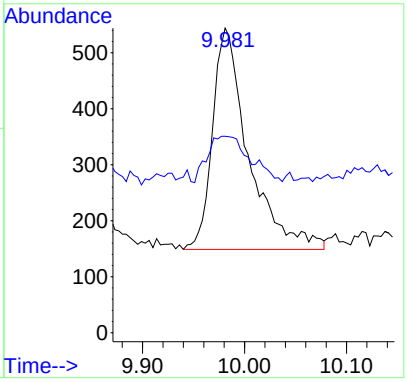


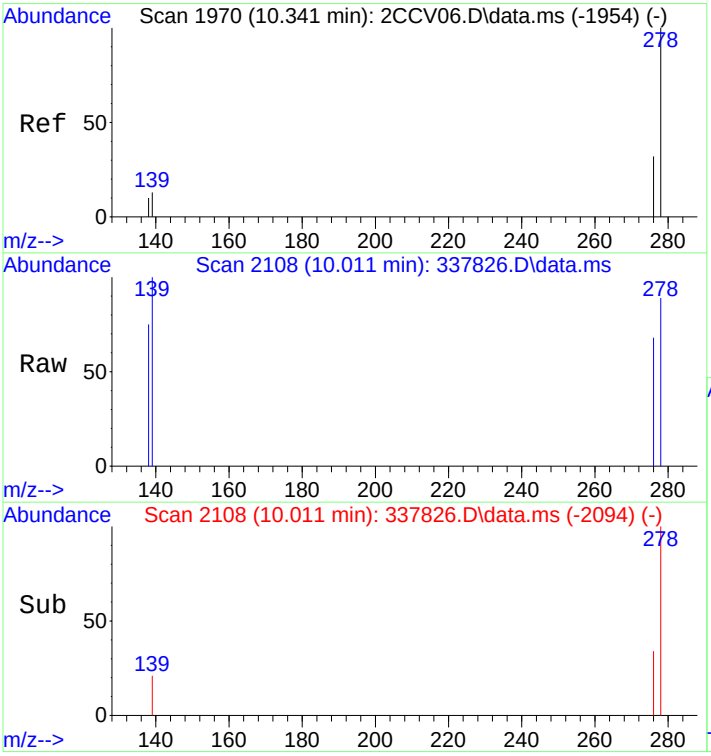


#25
Indeno-pyrene
Concen: 12.46 ng/mL
RT: 9.981 min Scan# 2100
Delta R.T. -0.000 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:276 Resp: 968

Ion	Ratio	Lower	Upper
276	100		
138	18.5	0.0	48.6

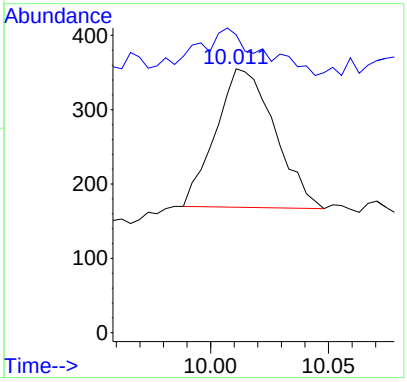


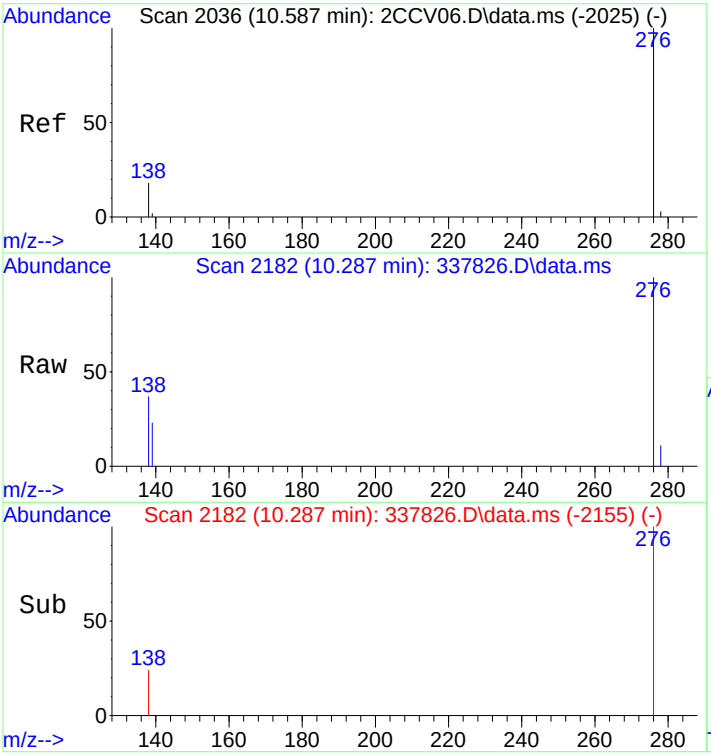


#26
Dib[ah]anthr
Concen: 5.80 ng/mL
RT: 10.011 min Scan# 2108
Delta R.T. -0.008 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:278 Resp: 323

Ion	Ratio	Lower	Upper
278	100		
139	27.1	0.0	45.4

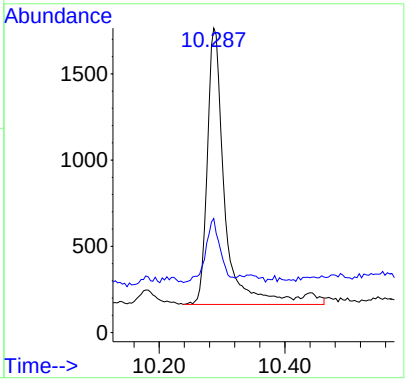


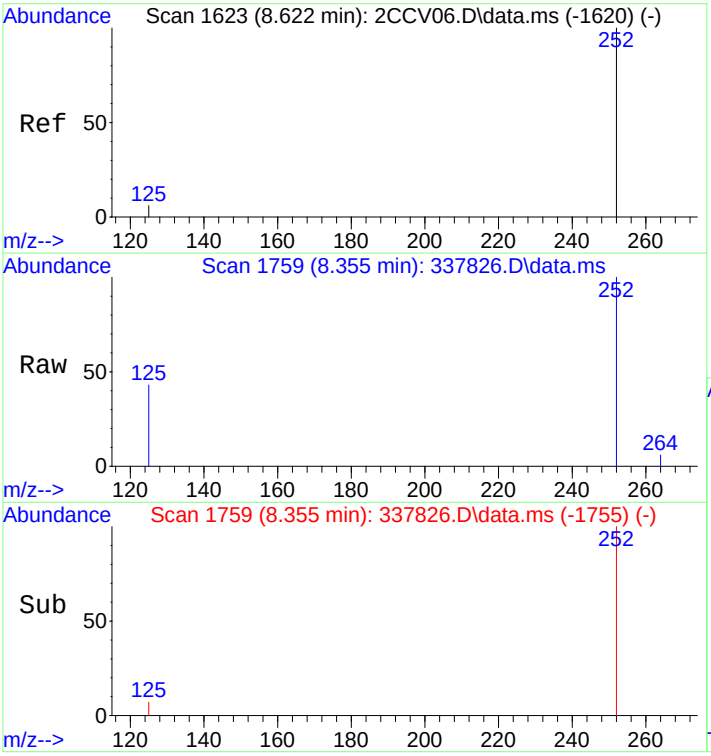


#27
B[ghi]perylen
Concen: 41.10 ng/mL
RT: 10.287 min Scan# 2182
Delta R.T. -0.000 min
Lab File: 337826.D
Acq: 22 Aug 13 5:07 pm

Tgt Ion:276 Resp: 3149

Ion	Ratio	Lower	Upper
276	100		
138	23.2	0.0	50.7

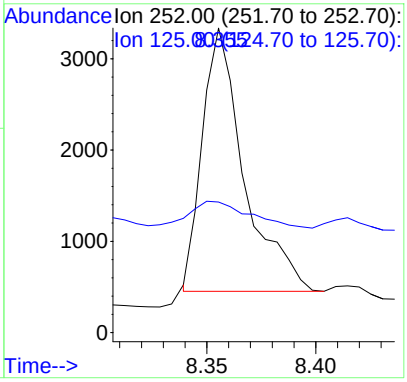




#23
B[k]fluoranth
Concen: 26.57 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. -0.027 min
Lab File: 337826.D
Acq: 22 Aug 2013 17:07

Tgt Ion:252 Resp: 3833

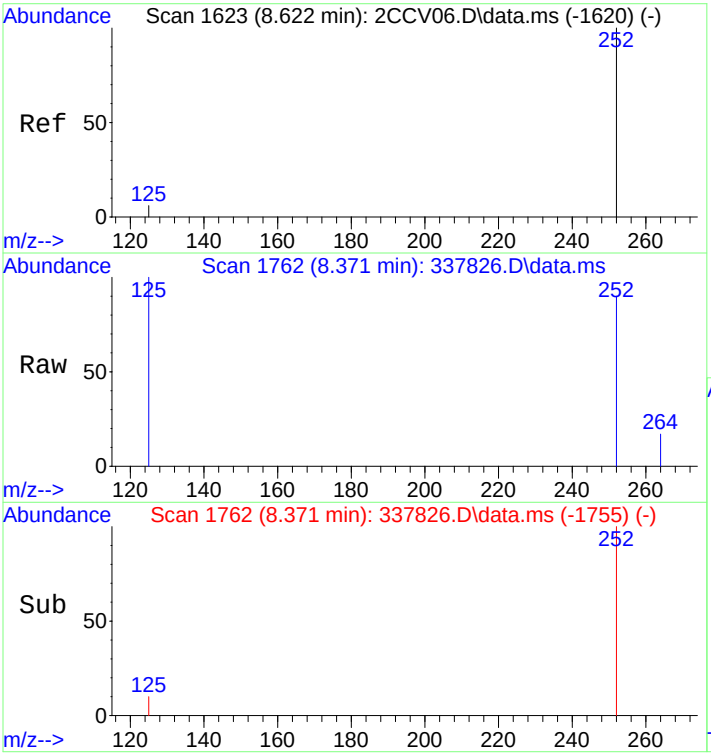
Ion	Ratio	Lower	Upper
252	100		
125	8.2	0.0	37.7



Reason#3

RPN
08/23/13

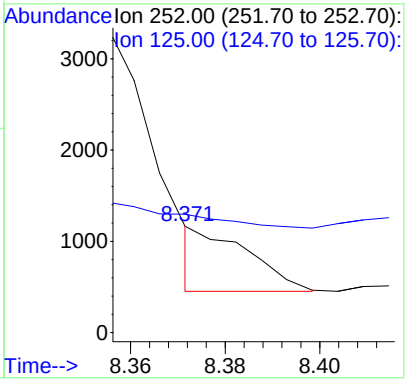
Before Manual Integration



#23
B[k]fluoranth
Concen: 3.57 ng/mL m
RT: 8.371 min Scan# 1762
Delta R.T. -0.011 min
Lab File: 337826.D
Acq: 22 Aug 2013 17:07

Tgt Ion:252 Resp: 515

Ion	Ratio	Lower	Upper
252	100		
125	111.4	0.0	37.7#



RPN
08/23/13

RED
09/04/2013

After Manual Integration

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337828.D Vial: 16
Acq On : 22 Aug 2013 17:27 Operator: RPN
Sample : 96978,337828, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 11:36:26 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 11:18:52 2013
Response via : Initial Calibration MI
DataAcq Meth:2P080713.M

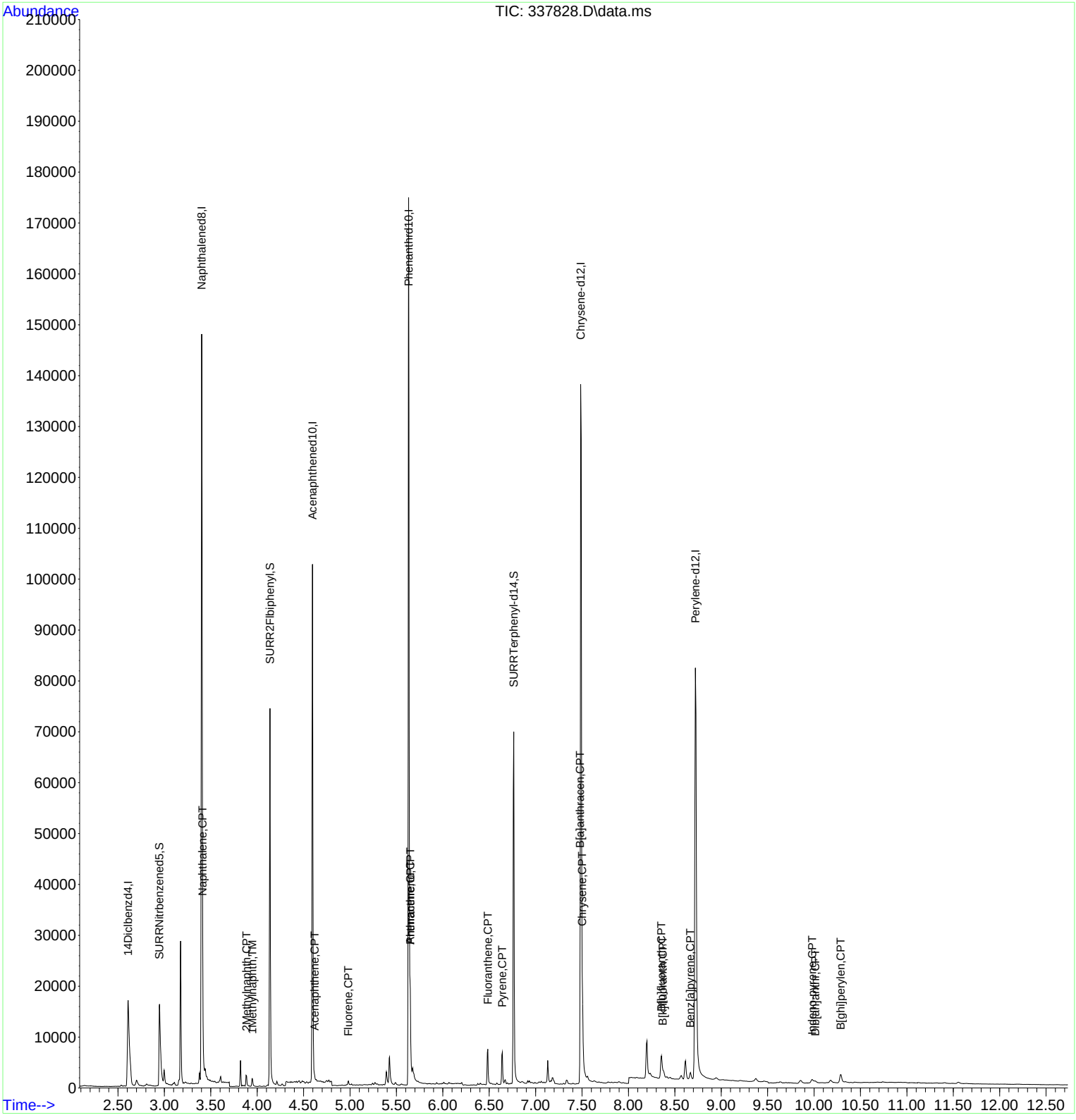
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.609	152	25725	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	106830	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	63654	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	120572	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	116581	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	102403	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.948	82	24370	81.73	%REC	0.00
Spiked Amount 100.000			Recovery = 81.73%			
8) SURR2Flbiphenyl	4.138	172	51484	70.62	%REC	0.00
Spiked Amount 100.000			Recovery = 70.62%			
18) SURRTerphenyl-d14	6.765	244	55046	70.73	ng/mL	0.00
Spiked Amount 100.000			Recovery = 70.73%			
Target Compounds						Qvalue
4) Naphthalene	3.413	128	2211	23.4878	ng/mL#	1
5) 2Methylnaphth	3.885	142	1125	20.3270	ng/mL	76
6) 1Methylnaphth	3.950	142	780	10.8788	ng/mL	97
10) Acenaphthene	4.619	154	342	5.5236	ng/mL	77
11) Fluorene	4.983	166	436	6.4118	ng/mL	89
13) Phenanthrene	5.650	178	9011	87.7535	ng/mL	96
14) Anthracene	5.650	178	10684	89.4079	ng/mL	99
15) Fluoranthene	6.485	202	5860	43.1078	ng/mL	99
17) Pyrene	6.641	202	5223	35.0779	ng/mL	97
19) B[a]anthracen	7.480	228	2453m	26.7081	ng/mL	
20) Chrysene	7.501	228	11443m	80.6931	ng/mL	
22) B[b]fluoranth	8.355	252	5261	54.0123	ng/mL	97
23) B[k]fluoranth	8.372	252	1286m	9.1558	ng/mL	
24) Benz[a]pyrene	8.668	252	1415	13.5296	ng/mL	94
25) Indeno-pyrene	9.981	276	1210	15.9979	ng/mL	95
26) Dib[ah]anthr	10.015	278	349	6.4358	ng/mL	90
27) B[ghi]perylen	10.287	276	2573	34.4828	ng/mL	99

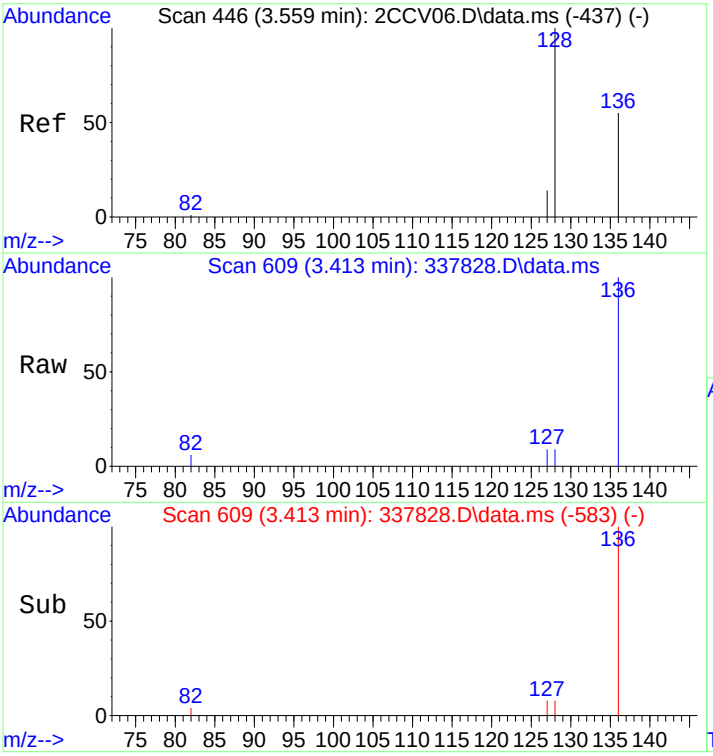
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337828.D Vial: 16
Acq On : 22 Aug 2013 17:27 Operator: RPN
Sample : 96978,337828, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 11:36:26 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 11:18:52 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

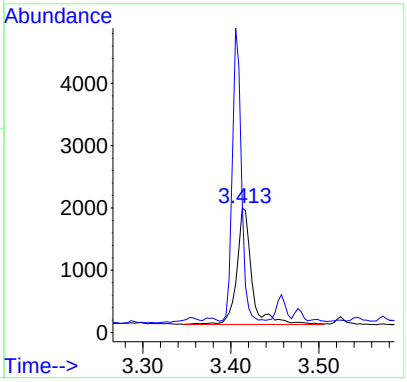


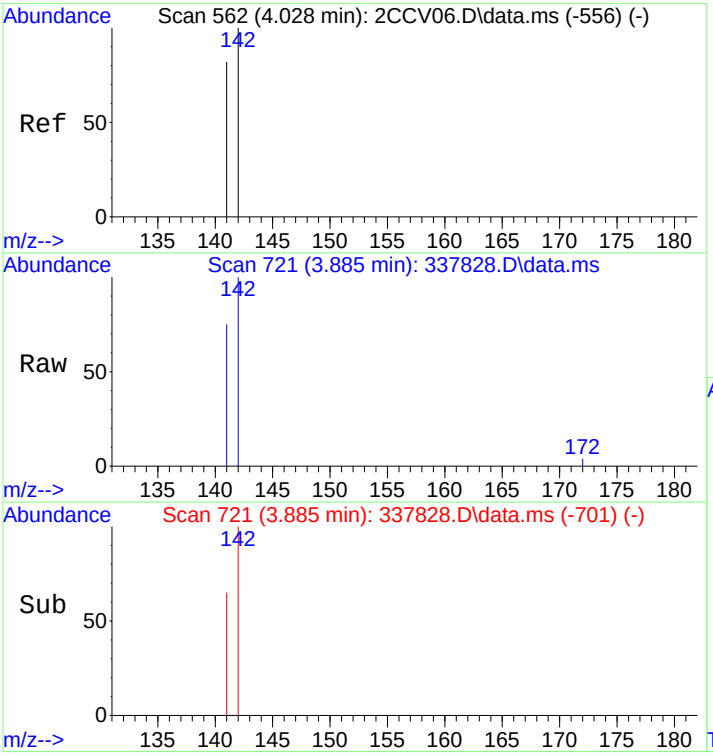


#4
Naphthalene
Concen: 23.49 ng/mL
RT: 3.413 min Scan# 609
Delta R.T. -0.004 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:128 Resp: 2211

Ion	Ratio	Lower	Upper
128	100		
127	102.6	0.0	42.4#

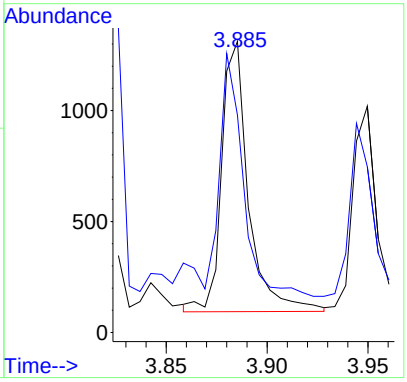


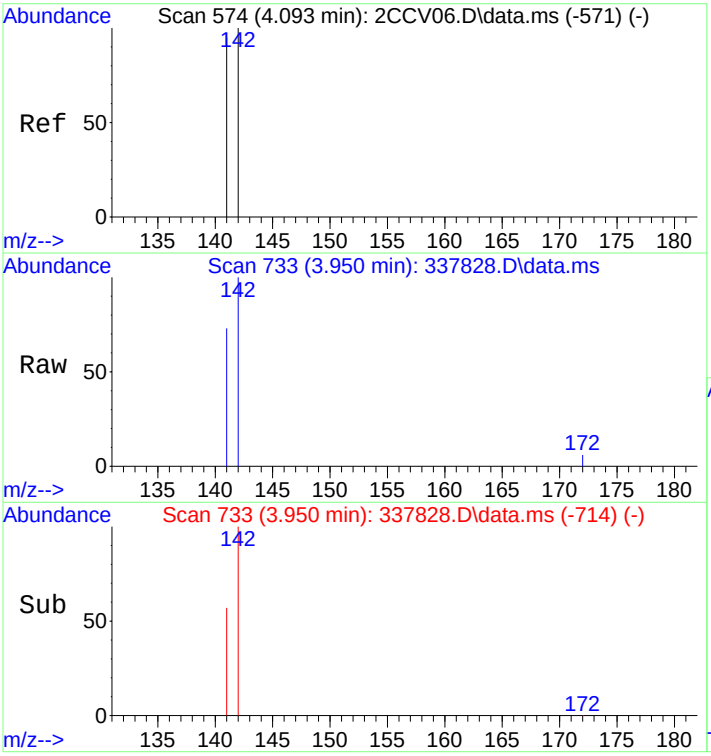


#5
2Methylnaphth
Concen: 20.33 ng/mL
RT: 3.885 min Scan# 721
Delta R.T. 0.005 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:142 Resp: 1125

Ion	Ratio	Lower	Upper
142	100		
141	103.0	51.8	111.8

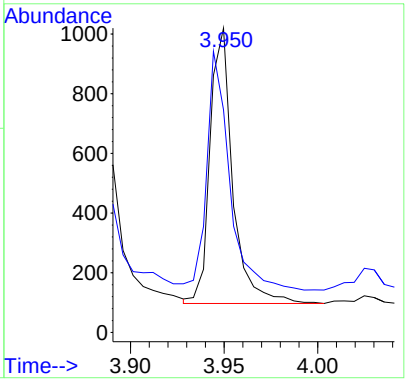


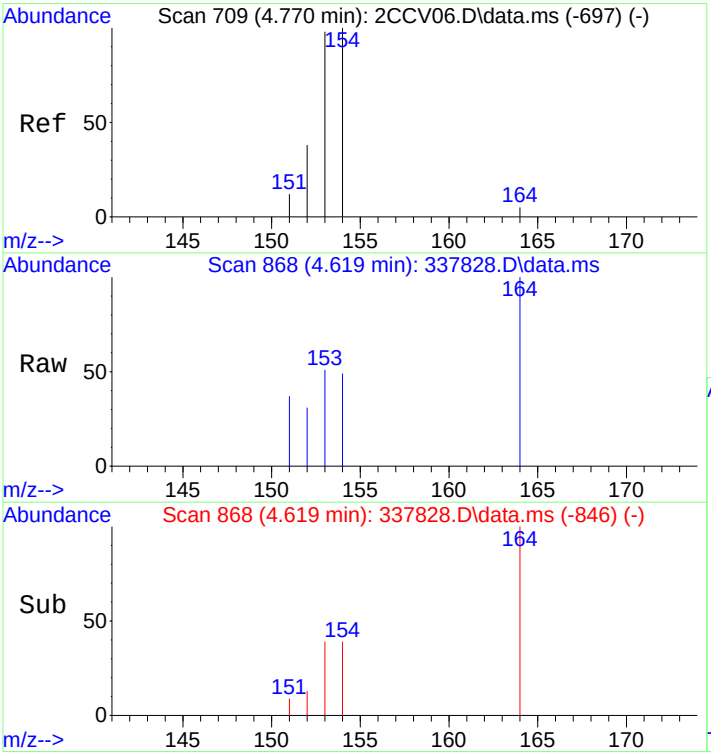


#6
1Methylnaphth
Concen: 10.88 ng/mL
RT: 3.950 min Scan# 733
Delta R.T. 0.000 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:142 Resp: 780

Ion	Ratio	Lower	Upper
142	100		
141	86.5	54.2	114.2

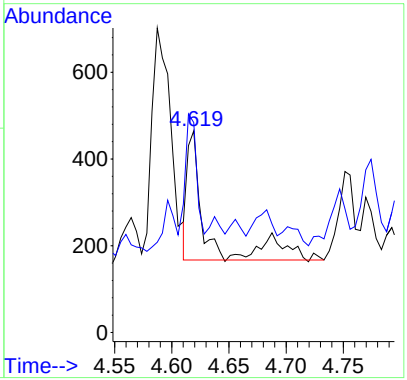


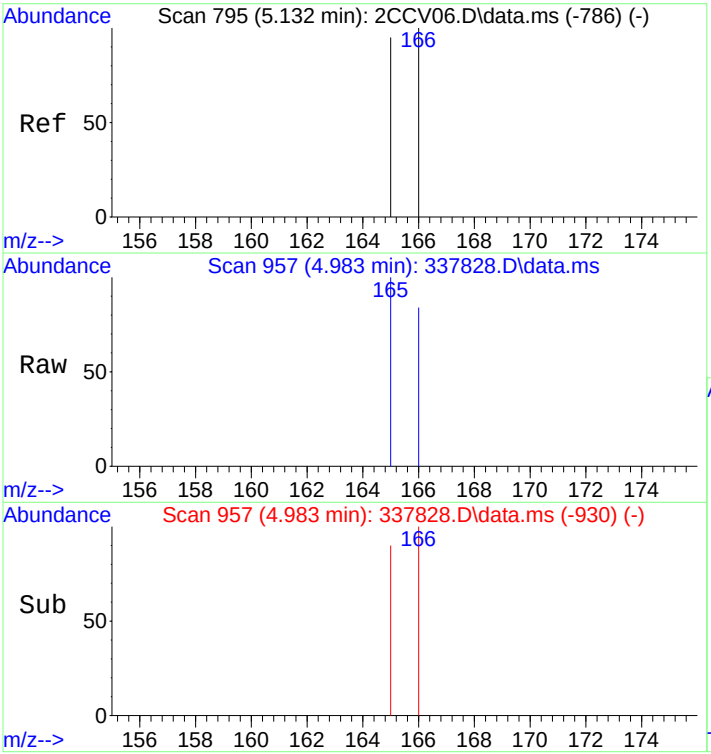


#10
Acenaphthene
Concen: 5.52 ng/mL
RT: 4.619 min Scan# 868
Delta R.T. 0.000 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:154 Resp: 342

Ion	Ratio	Lower	Upper
154	100		
153	89.9	84.6	144.6

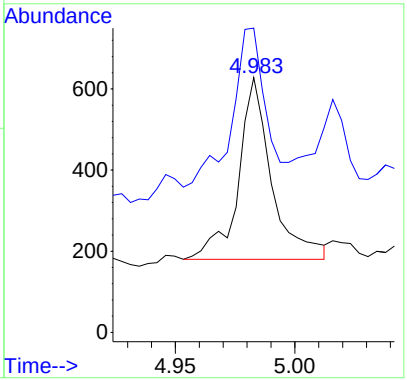


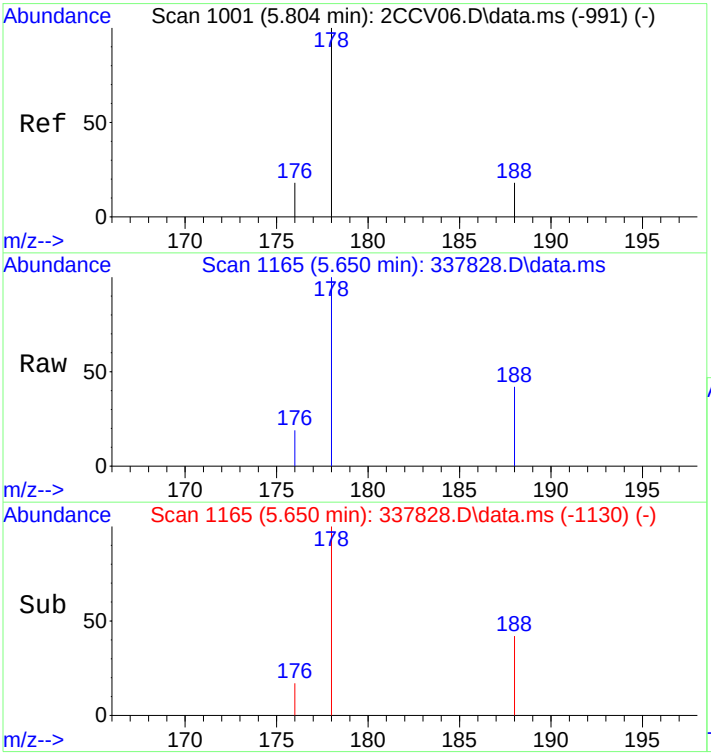


#11
Fluorene
Concen: 6.41 ng/mL
RT: 4.983 min Scan# 957
Delta R.T. 0.000 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:166 Resp: 436

Ion	Ratio	Lower	Upper
166	100		
165	87.5	47.7	107.7

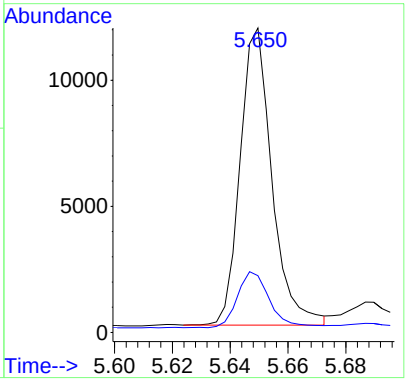


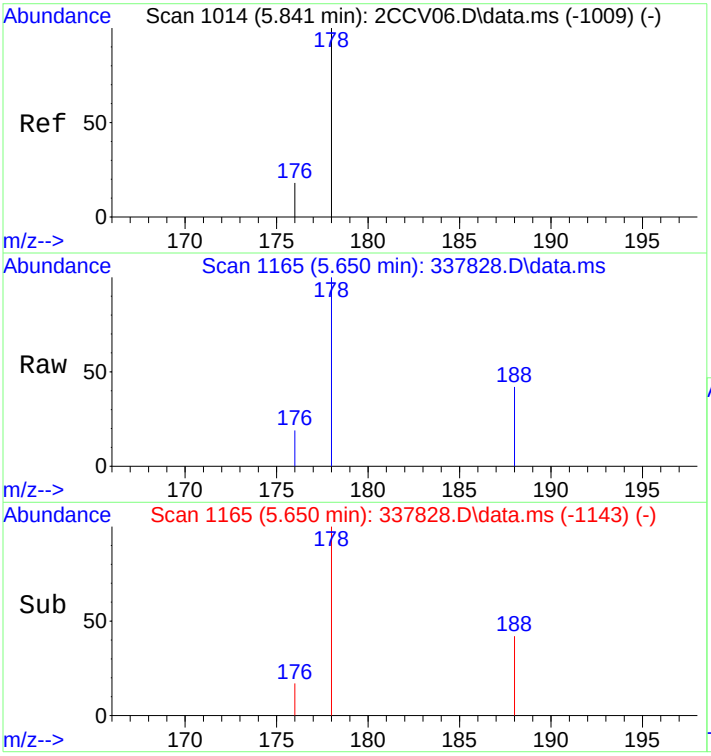


#13
Phenanthrene
Concen: 87.75 ng/mL
RT: 5.650 min Scan# 1165
Delta R.T. 0.000 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:178 Resp: 9011

Ion	Ratio	Lower	Upper
178	100		
176	17.5	0.0	49.2

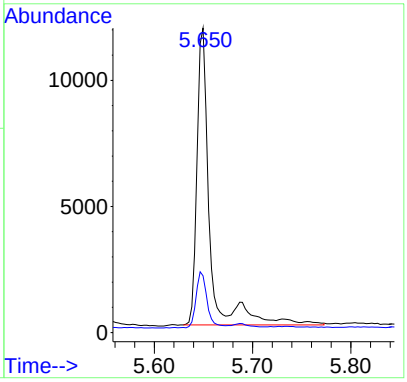


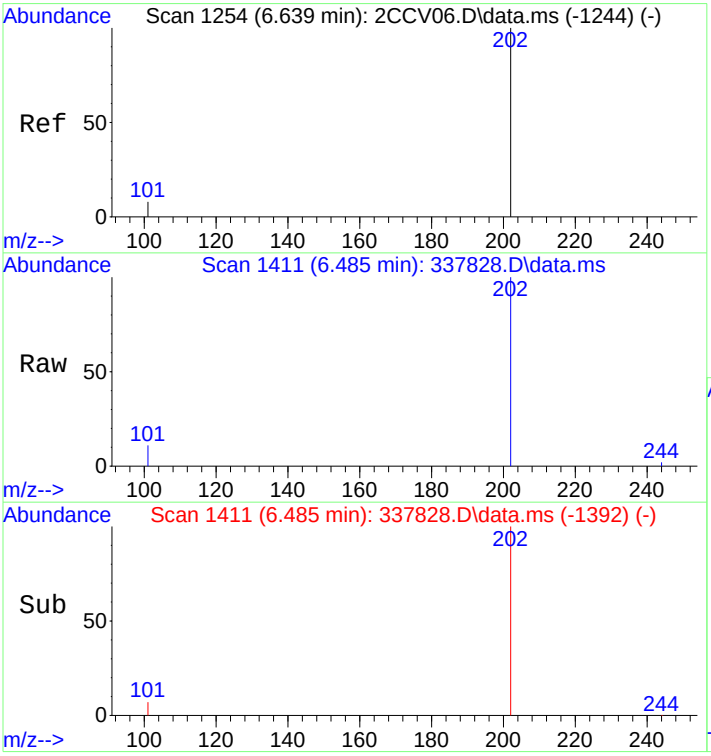


#14
Anthracene
Concen: 89.41 ng/mL
RT: 5.650 min Scan# 1165
Delta R.T. -0.036 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:178 Resp: 10684

Ion	Ratio	Lower	Upper
178	100		
176	17.4	0.0	47.9

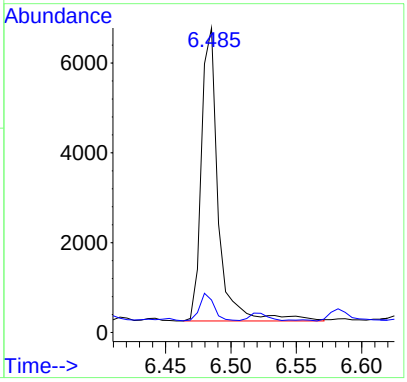


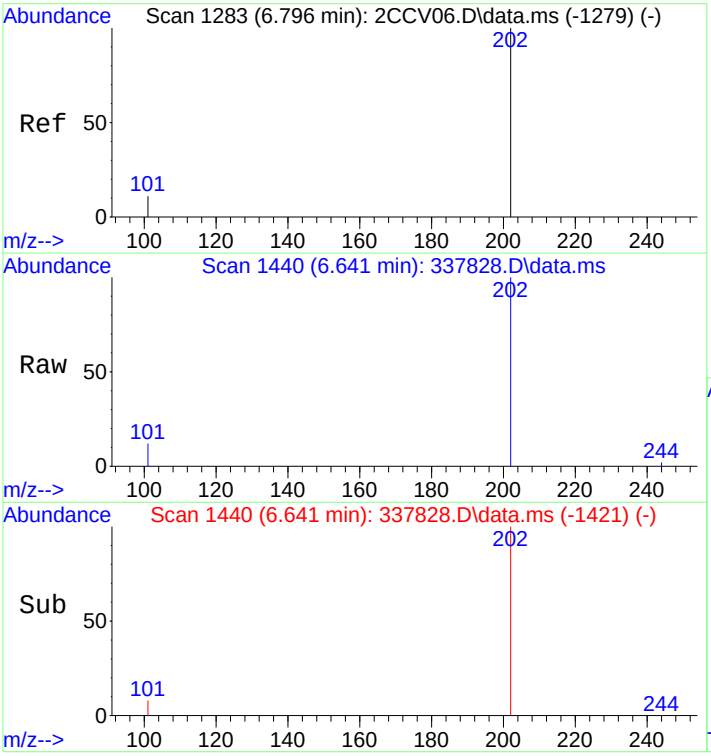


#15
Fluoranthene
Concen: 43.11 ng/mL
RT: 6.485 min Scan# 1411
Delta R.T. 0.000 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:202 Resp: 5860

Ion	Ratio	Lower	Upper
202	100		
101	7.1	0.0	37.5

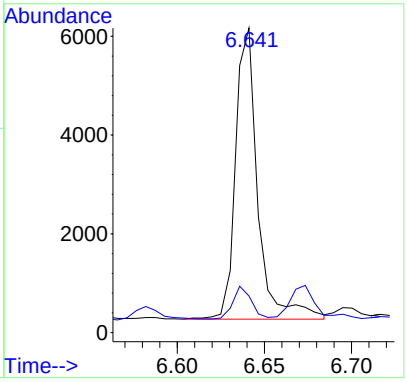


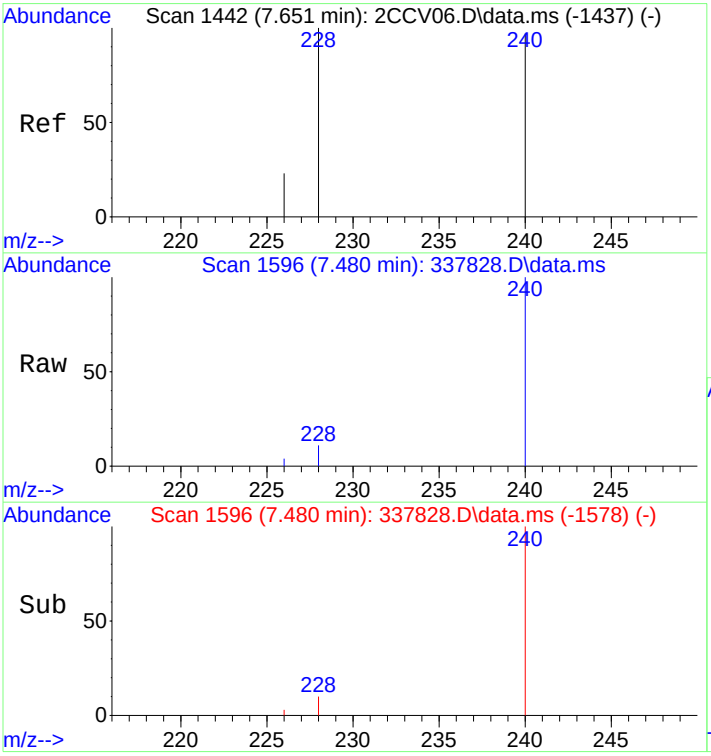


#17
Pyrene
Concen: 35.08 ng/mL
RT: 6.641 min Scan# 1440
Delta R.T. 0.000 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:202 Resp: 5223

Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	38.8

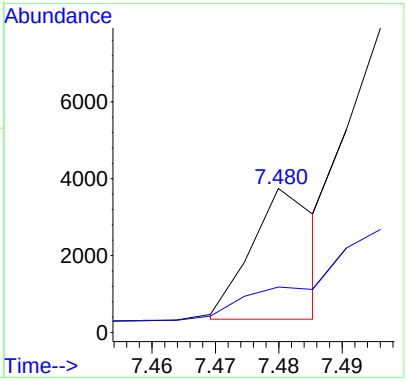


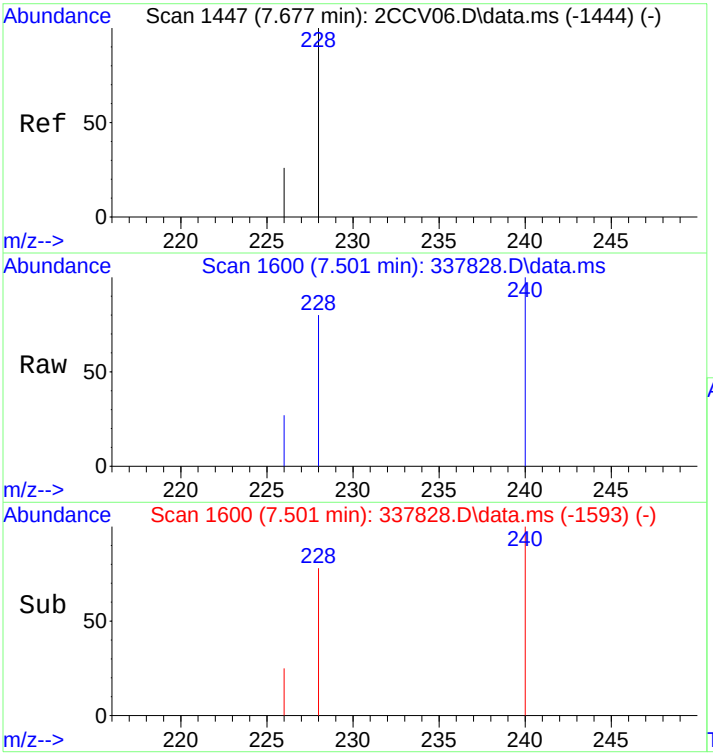


#19
B[a]anthracen
Concen: 26.71 ng/mL m
RT: 7.480 min Scan# 1596
Delta R.T. -0.005 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:228 Resp: 2453

Ion	Ratio	Lower	Upper
228	100		
226	31.5	0.0	58.4

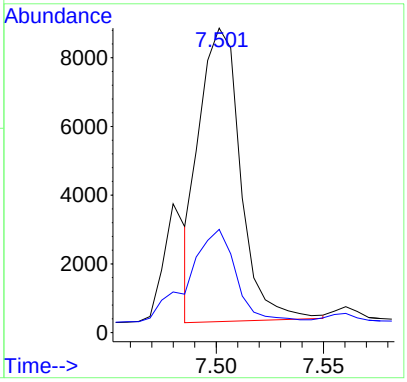


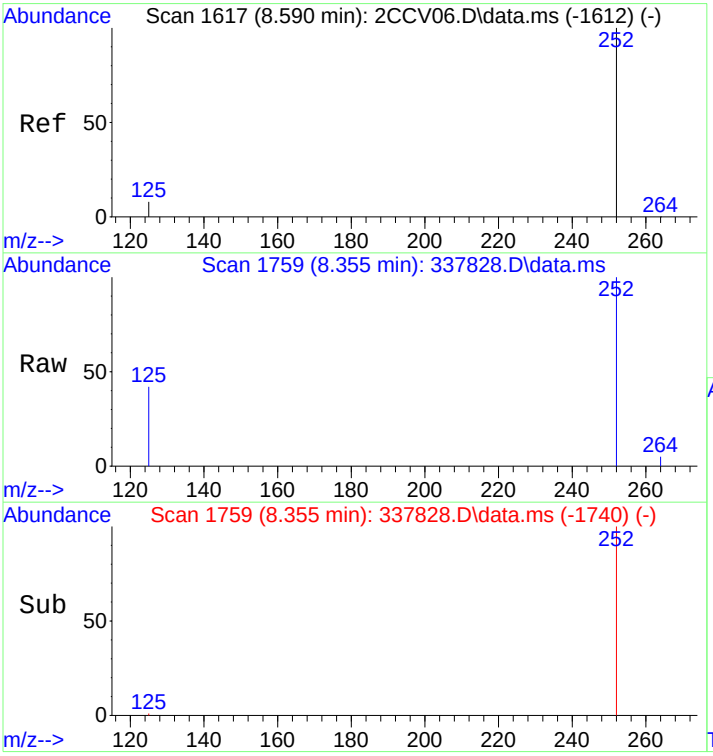


#20
Chrysene
Concen: 80.69 ng/mL m
RT: 7.501 min Scan# 1600
Delta R.T. -0.005 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:228 Resp: 11443

Ion	Ratio	Lower	Upper
228	100		
226	33.9	0.0	57.2

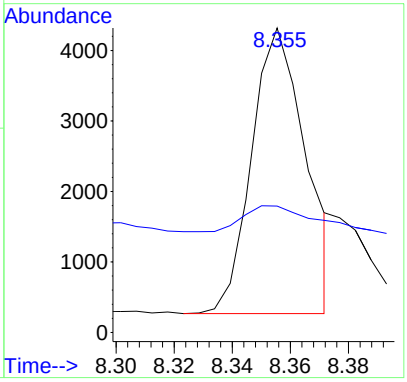


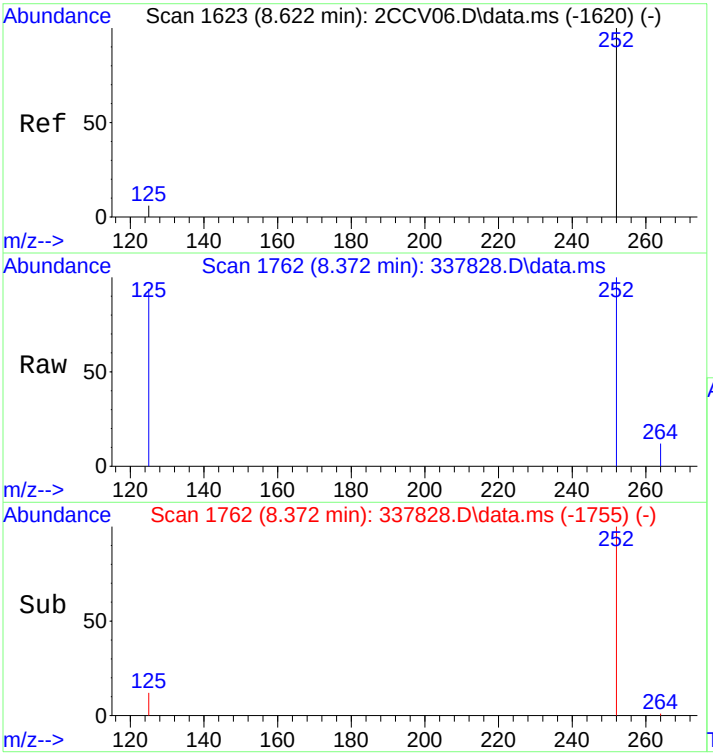


#22
B[b]fluoranth
Concen: 54.01 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. 0.000 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:252 Resp: 5261

Ion	Ratio	Lower	Upper
252	100		
125	9.0	0.0	37.8

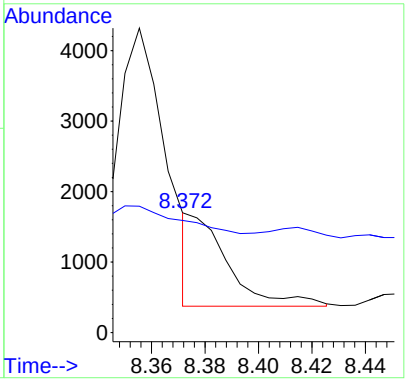


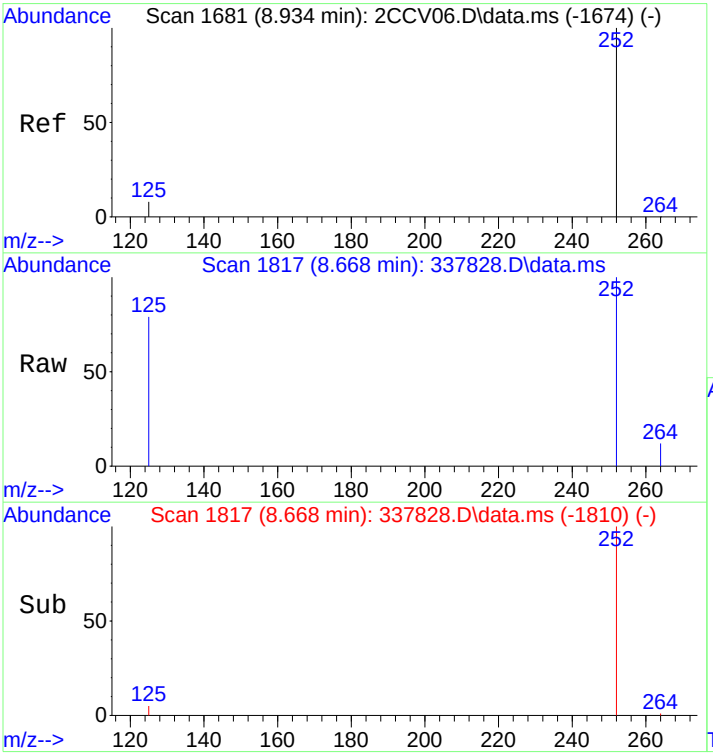


#23
B[k]fluoranth
Concen: 9.16 ng/mL m
RT: 8.372 min Scan# 1762
Delta R.T. -0.010 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:252 Resp: 1286

Ion	Ratio	Lower	Upper
252	100		
125	93.6	0.0	37.7#

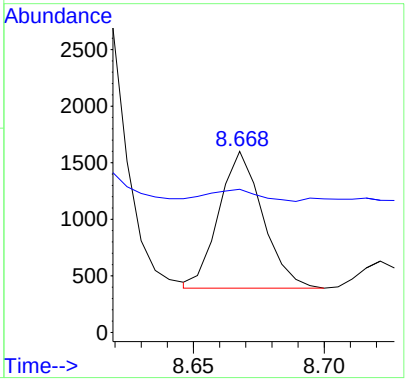


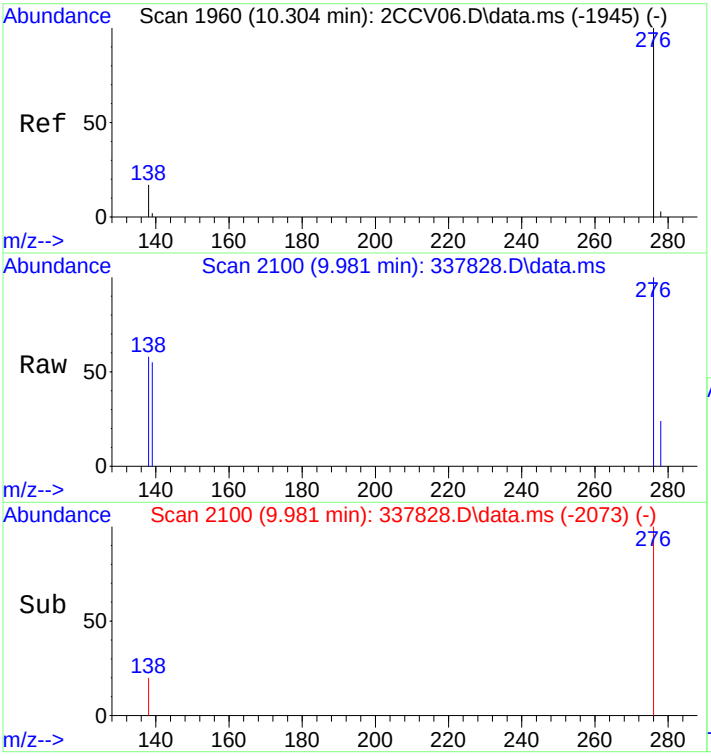


#24
Benz[a]pyrene
Concen: 13.53 ng/mL
RT: 8.668 min Scan# 1817
Delta R.T. 0.000 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:252 Resp: 1415

Ion	Ratio	Lower	Upper
252	100		
125	7.0	0.0	39.1

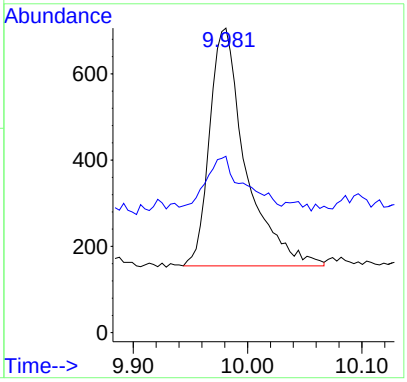


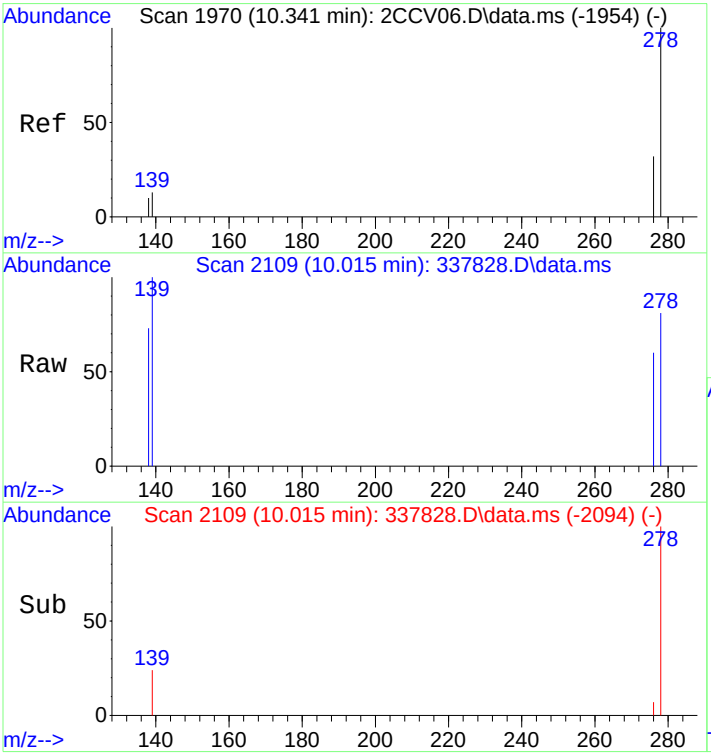


#25
Indeno-pyrene
Concen: 16.00 ng/mL
RT: 9.981 min Scan# 2100
Delta R.T. 0.000 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:276 Resp: 1210

Ion	Ratio	Lower	Upper
276	100		
138	21.1	0.0	48.6

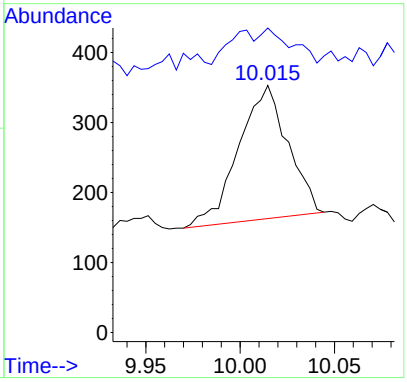


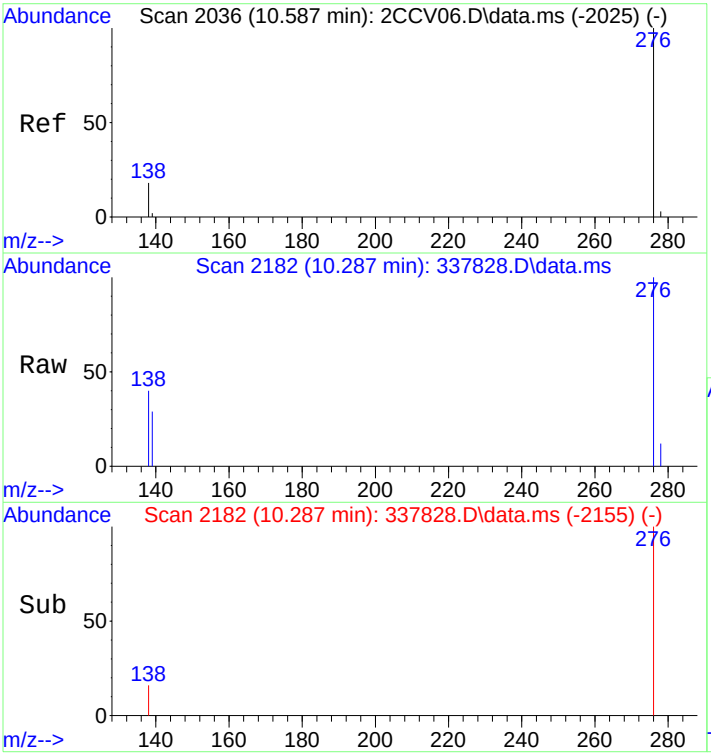


#26
Dib[ah]anthr
Concen: 6.44 ng/mL
RT: 10.015 min Scan# 2109
Delta R.T. -0.004 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:278 Resp: 349

Ion	Ratio	Lower	Upper
278	100		
139	19.6	0.0	45.4

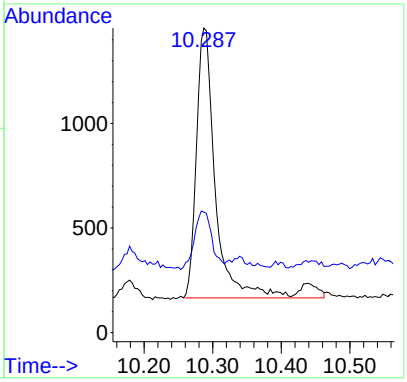


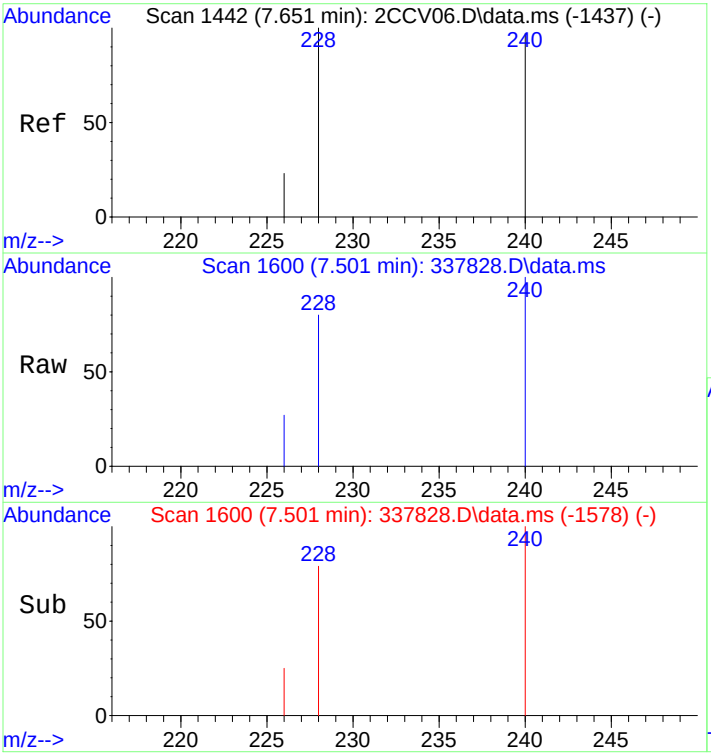


#27
B[ghi]perylen
Concen: 34.48 ng/mL
RT: 10.287 min Scan# 2182
Delta R.T. 0.000 min
Lab File: 337828.D
Acq: 22 Aug 13 5:27 pm

Tgt Ion:276 Resp: 2573

Ion	Ratio	Lower	Upper
276	100		
138	20.4	0.0	50.7

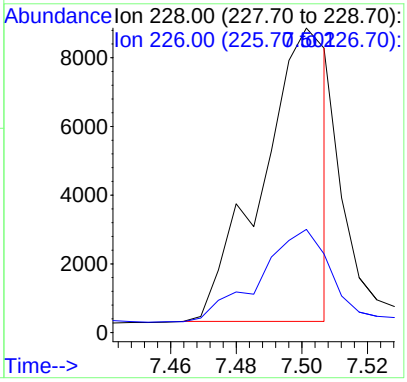




#19
B[a]anthracen
Concen: 129.16 ng/mL
RT: 7.501 min Scan# 1600
Delta R.T. 0.016 min
Lab File: 337828.D
Acq: 22 Aug 2013 17:27

Tgt Ion:228 Resp: 11863

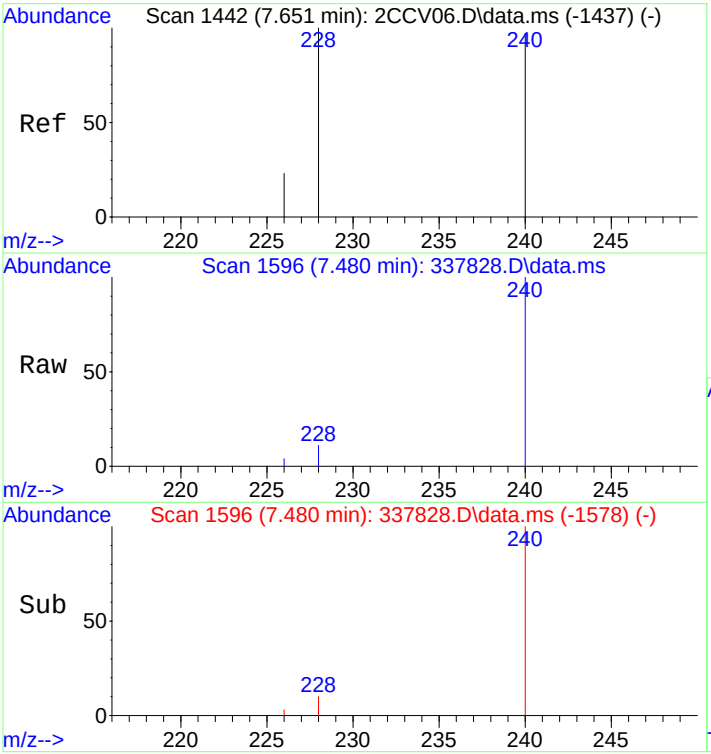
Ion	Ratio	Lower	Upper
228	100		
226	31.5	0.0	58.4



Reason#3

RPN
08/23/13

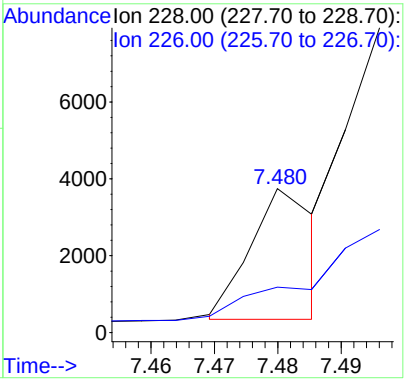
Before Manual Integration



#19
B[a]anthracen
Concen: 26.71 ng/mL m
RT: 7.480 min Scan# 1596
Delta R.T. -0.005 min
Lab File: 337828.D
Acq: 22 Aug 2013 17:27

Tgt Ion:228 Resp: 2453

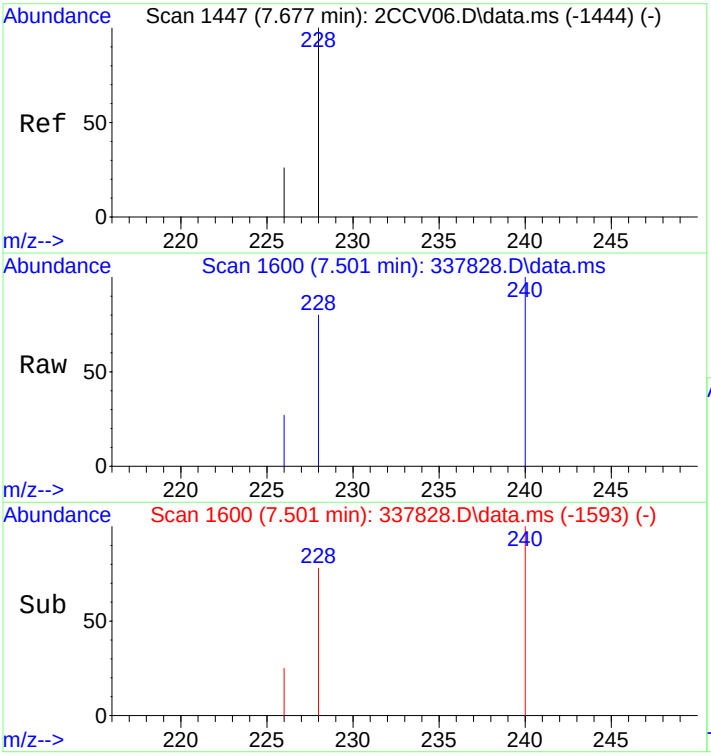
Ion	Ratio	Lower	Upper
228	100		
226	31.5	0.0	58.4



RPN
08/23/13

RED
09/04/2013

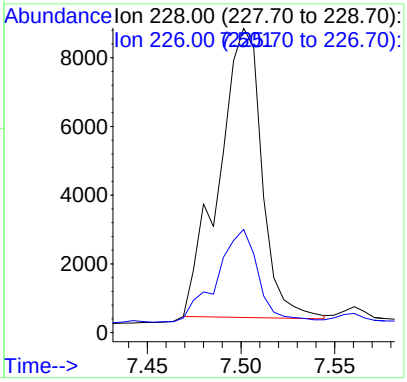
After Manual Integration



#20
Chrysene
Concen: 94.90 ng/mL
RT: 7.501 min Scan# 1600
Delta R.T. -0.005 min
Lab File: 337828.D
Acq: 22 Aug 2013 17:27

Tgt Ion:228 Resp: 13457

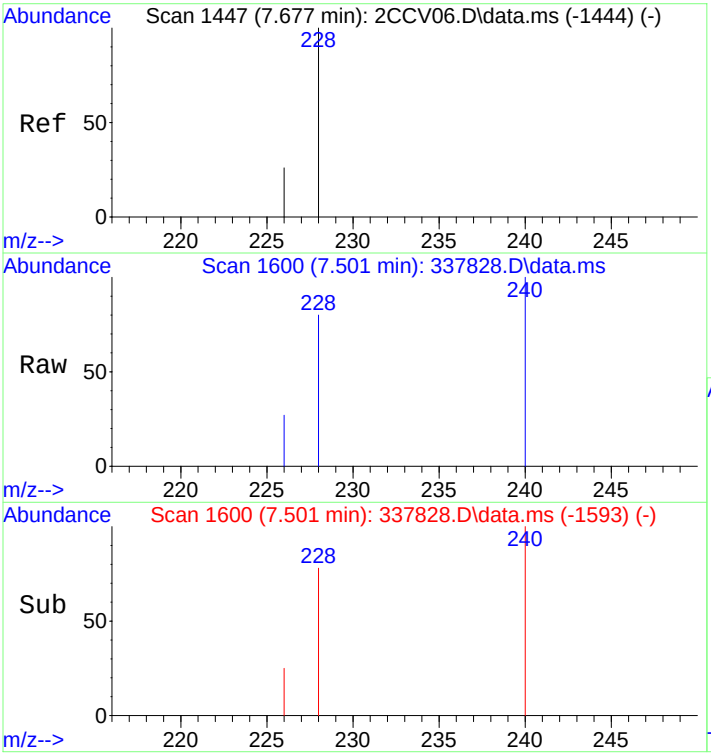
Ion	Ratio	Lower	Upper
228	100		
226	31.3	0.0	57.2



Reason#3

RPN
08/23/13

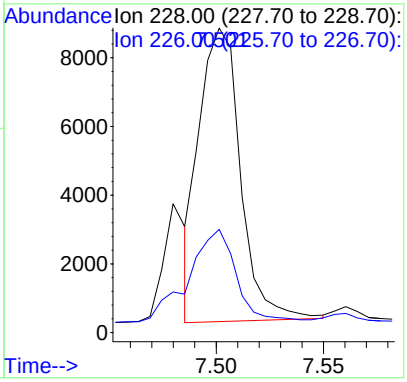
Before Manual Integration



#20
Chrysene
Concen: 80.69 ng/mL m
RT: 7.501 min Scan# 1600
Delta R.T. -0.005 min
Lab File: 337828.D
Acq: 22 Aug 2013 17:27

Tgt Ion:228 Resp: 11443

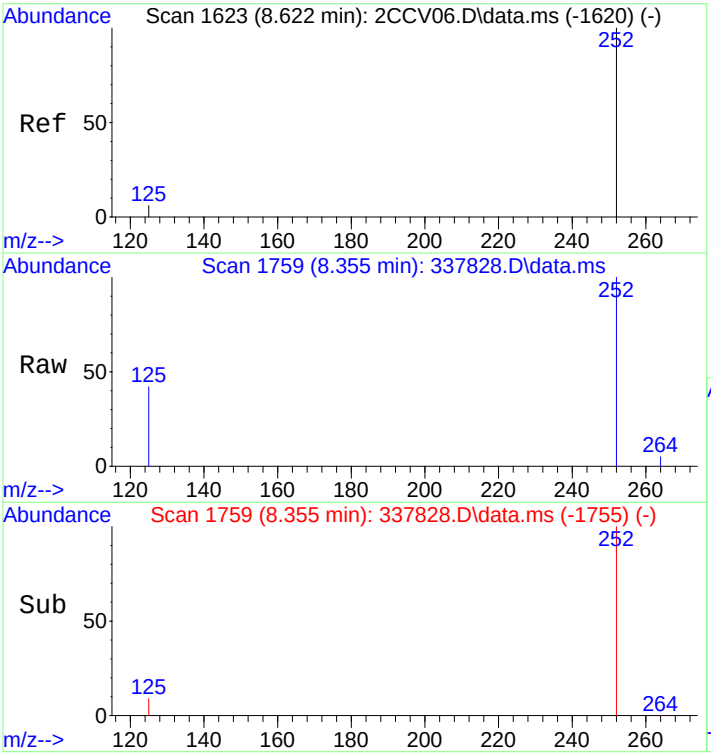
Ion	Ratio	Lower	Upper
228	100		
226	33.9	0.0	57.2



RPN
08/23/13

RED
09/04/2013

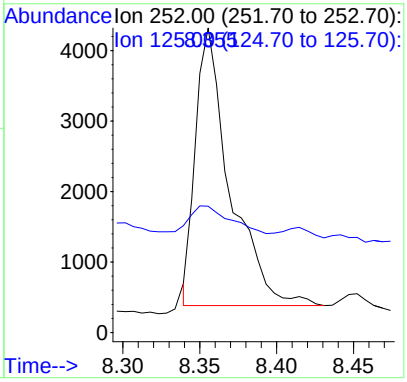
After Manual Integration



#23
B[k]fluoranth
Concen: 43.65 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. -0.027 min
Lab File: 337828.D
Acq: 22 Aug 2013 17:27

Tgt Ion:252 Resp: 6131

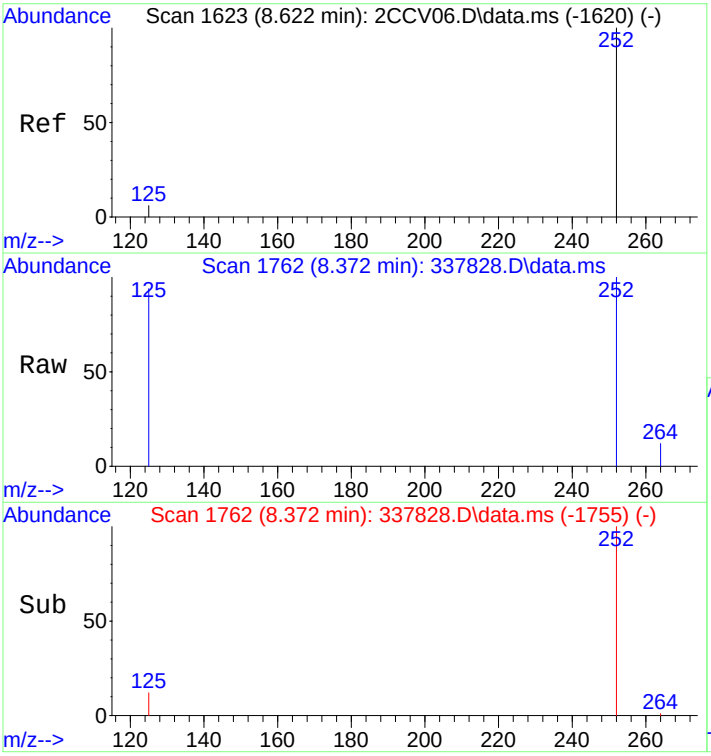
Ion	Ratio	Lower	Upper
252	100		
125	11.4	0.0	37.7



Reason#3

RPN
08/23/13

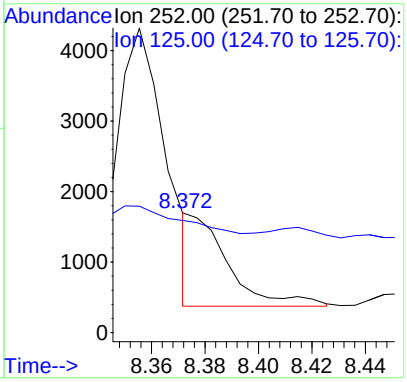
Before Manual Integration



#23
B[k]fluoranth
Concen: 9.16 ng/mL m
RT: 8.372 min Scan# 1762
Delta R.T. -0.010 min
Lab File: 337828.D
Acq: 22 Aug 2013 17:27

Tgt Ion:252 Resp: 1286

Ion	Ratio	Lower	Upper
252	100		
125	93.6	0.0	37.7#



RPN
08/23/13

RED
09/04/2013

After Manual Integration

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337830.D Vial: 17
Acq On : 22 Aug 2013 17:46 Operator: RPN
Sample : 96978,337830, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 11:40:42 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 11:18:52 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

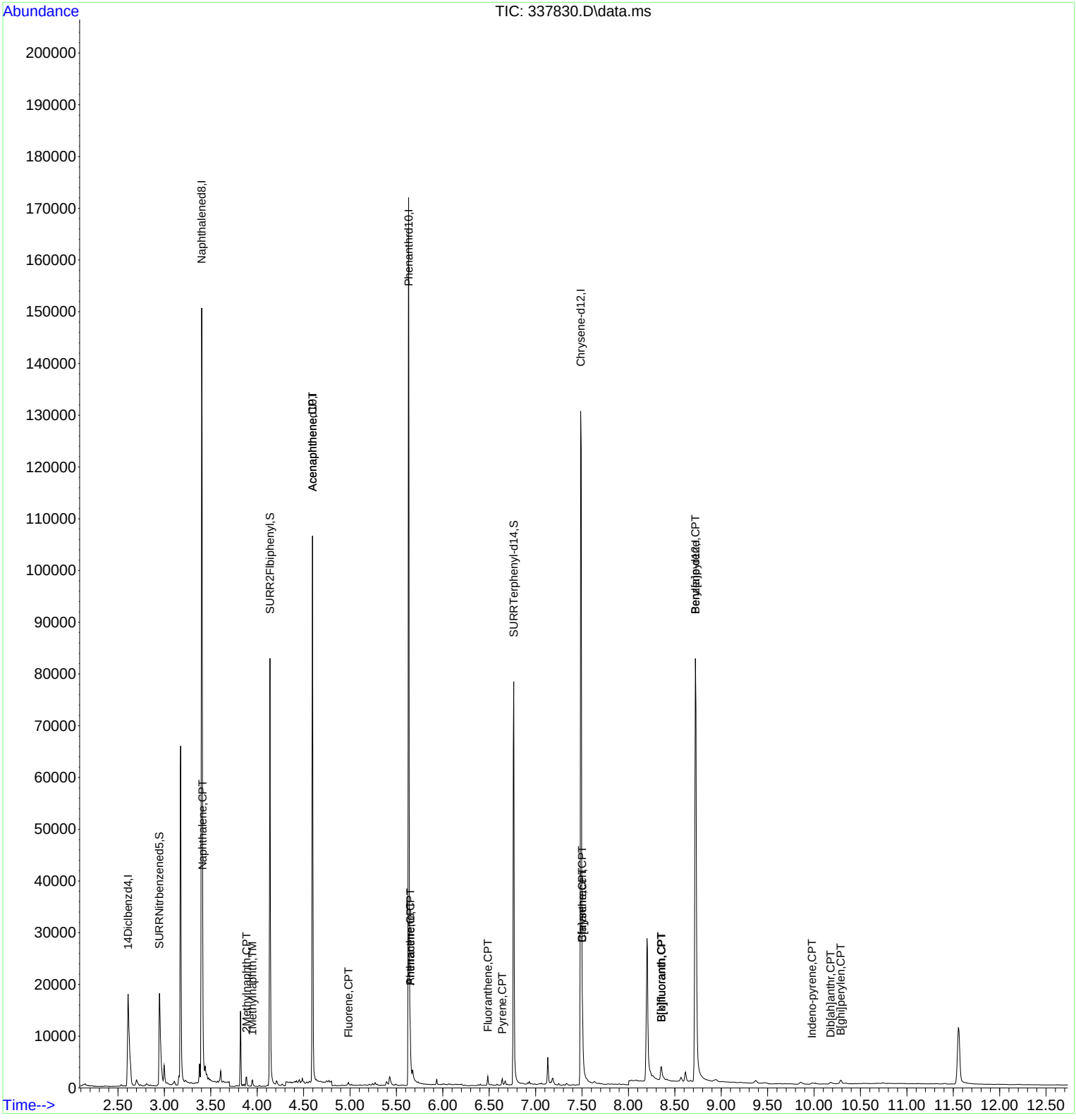
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.609	152	25417	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	104194	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	62587	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	117801	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	113783	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	100588	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.948	82	28515	98.06	%REC	0.00
Spiked Amount 100.000			Recovery = 98.06%			
8) SURR2Flbiphenyl	4.138	172	56681	79.07	%REC	0.00
Spiked Amount 100.000			Recovery = 79.07%			
18) SURRTerphenyl-d14	6.765	244	61619	81.12	ng/mL	0.00
Spiked Amount 100.000			Recovery = 81.12%			
Target Compounds						Qvalue
4) Naphthalene	3.413	128	2471	26.9140	ng/mL#	1
5) 2Methylnaphth	3.885	142	943	17.4696	ng/mL	95
6) 1Methylnaphth	3.950	142	608	8.6944	ng/mL	84
10) Acenaphthene	4.596	154	817	13.4202	ng/mL#	18
11) Fluorene	4.983	166	327	4.8909	ng/mL	88
13) Phenanthrene	5.650	178	3789	37.7671	ng/mL	96
14) Anthracene	5.650	178	4634	39.6913	ng/mL	99
15) Fluoranthene	6.485	202	1382	10.4055	ng/mL	99
17) Pyrene	6.641	202	1023	7.0395	ng/mL	92
19) B[a]anthracen	7.501	228	7285	81.2690	ng/mL	94
20) Chrysene	7.501	228	8772	63.3790	ng/mL	92
22) B[b]fluoranth	8.355	252	3025	31.6167	ng/mL	93
23) B[k]fluoranth	8.355	252	3432	24.8753	ng/mL	78
24) Benz[a]pyrene	8.721	252	337	3.2804	ng/mL	57
25) Indeno-pyrene	9.977	276	416	5.5994	ng/mL	100
26) Dib[ah]anthr	10.179	278	338	6.3454	ng/mL	93
27) B[ghi]perylen	10.287	276	1058	14.4349	ng/mL	95

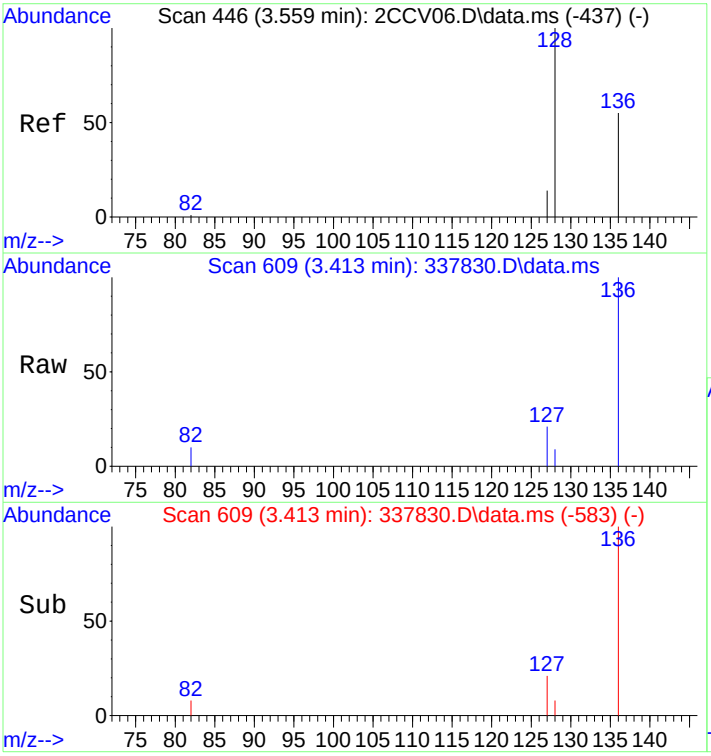
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337830.D Vial: 17
Acq On : 22 Aug 2013 17:46 Operator: RPN
Sample : 96978,337830, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 11:40:42 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 11:18:52 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

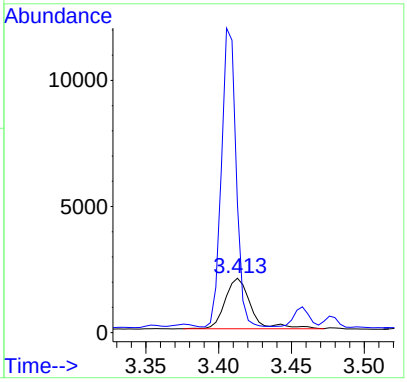


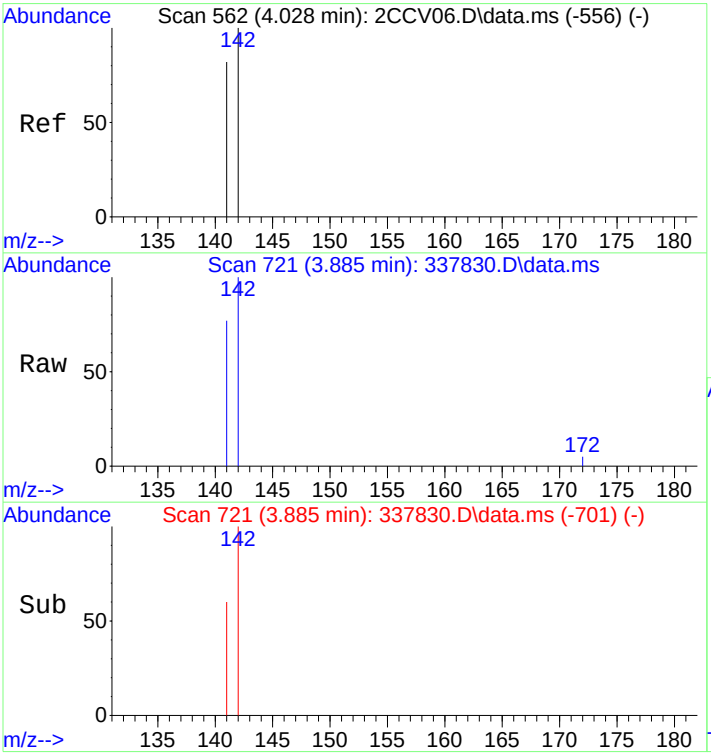


#4
Naphthalene
Concen: 26.91 ng/mL
RT: 3.413 min Scan# 609
Delta R.T. -0.004 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:128 Resp: 2471

Ion	Ratio	Lower	Upper
128	100		
127	237.4	0.0	42.4#

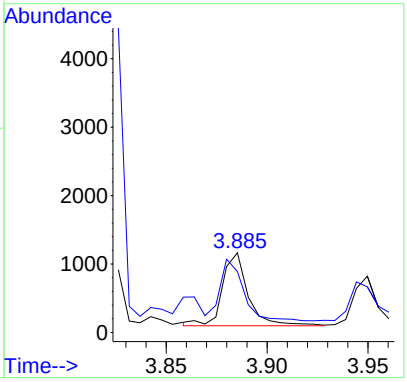


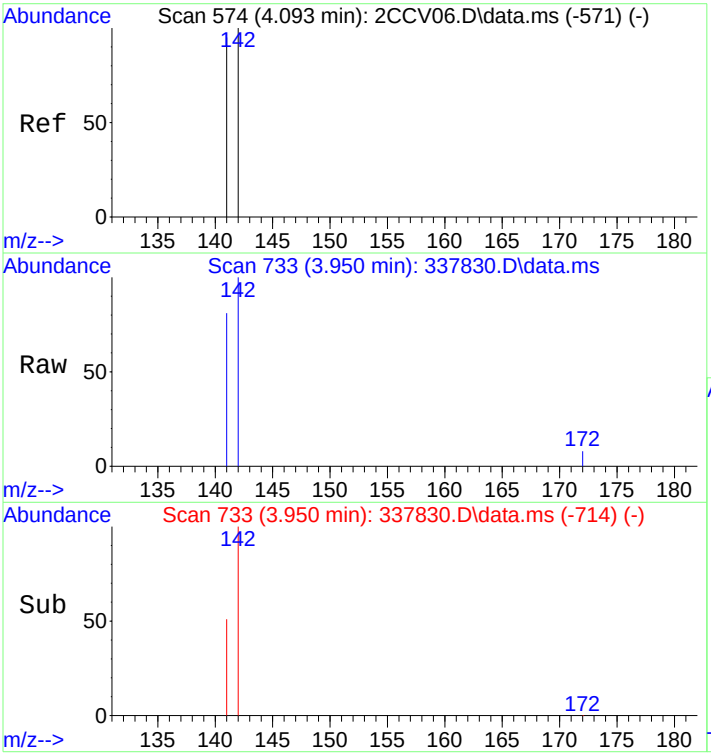


#5
2Methylnaphth
Concen: 17.47 ng/mL
RT: 3.885 min Scan# 721
Delta R.T. 0.005 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:142 Resp: 943

Ion	Ratio	Lower	Upper
142	100		
141	77.5	51.8	111.8

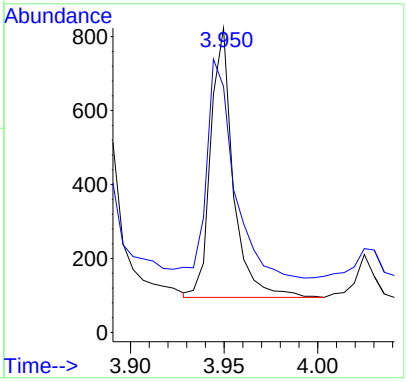


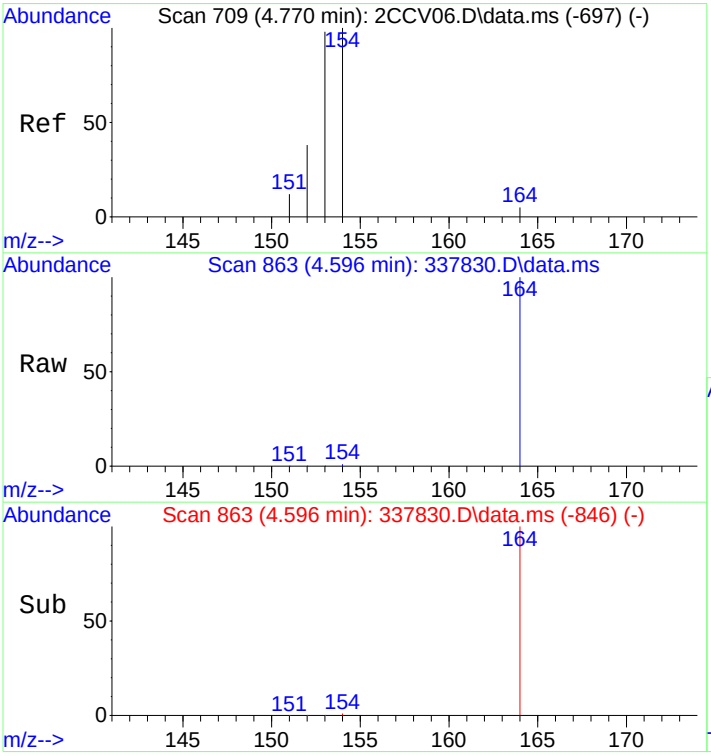


#6
1Methylnaphth
Concen: 8.69 ng/mL
RT: 3.950 min Scan# 733
Delta R.T. 0.000 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:142 Resp: 608

Ion	Ratio	Lower	Upper
142	100		
141	98.8	54.2	114.2

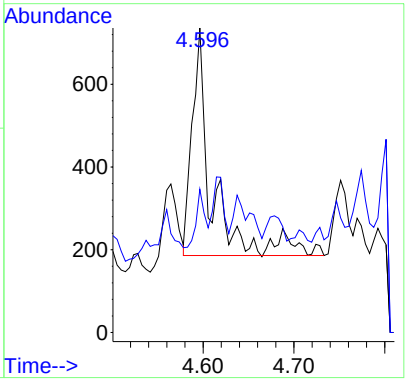


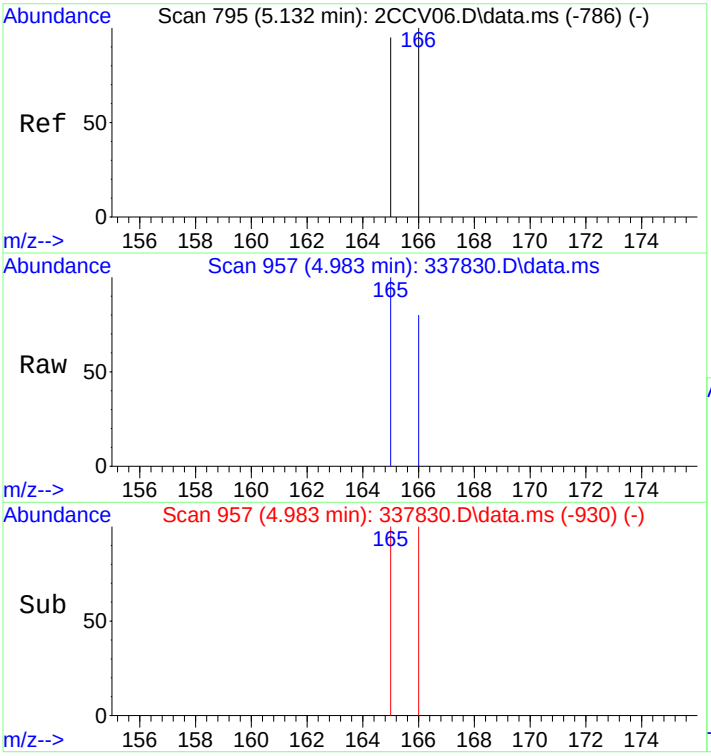


#10
Acenaphthene
Concen: 13.42 ng/mL
RT: 4.596 min Scan# 863
Delta R.T. -0.023 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:154 Resp: 817

Ion	Ratio	Lower	Upper
154	100		
153	25.6	84.6	144.6#

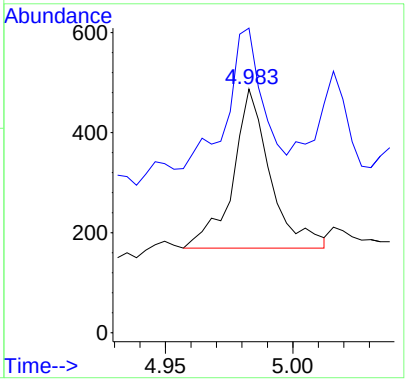


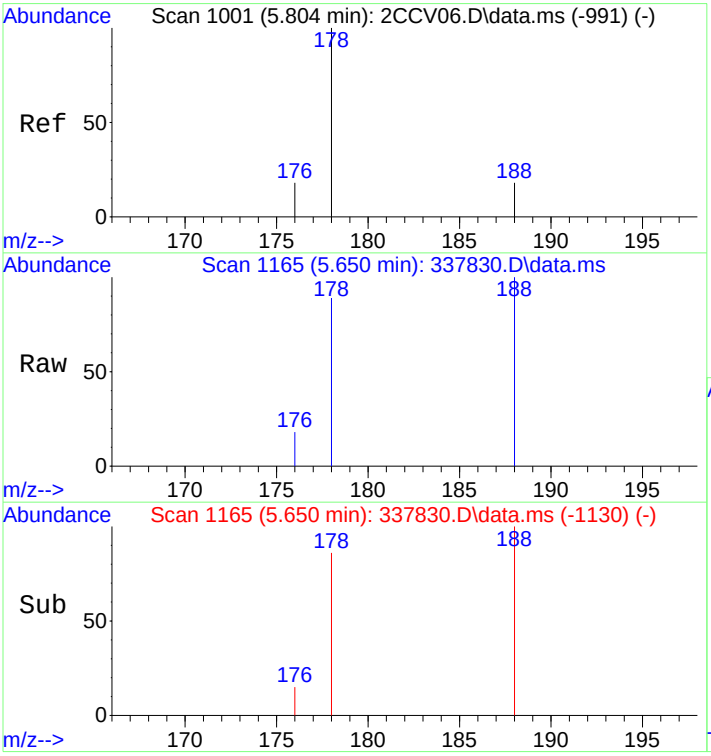


#11
Fluorene
Concen: 4.89 ng/mL
RT: 4.983 min Scan# 957
Delta R.T. 0.000 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:166 Resp: 327

Ion	Ratio	Lower	Upper
166	100		
165	88.4	47.7	107.7

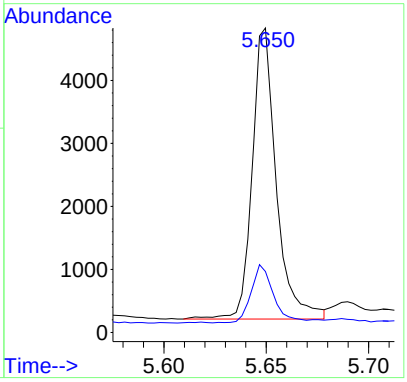


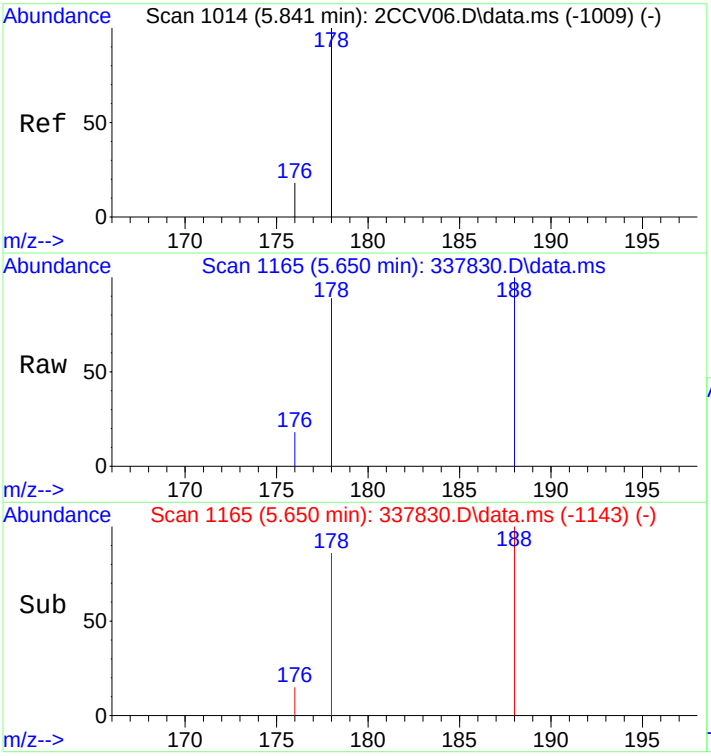


#13
Phenanthrene
Concen: 37.77 ng/mL
RT: 5.650 min Scan# 1165
Delta R.T. 0.000 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:178 Resp: 3789

Ion	Ratio	Lower	Upper
178	100		
176	17.6	0.0	49.2

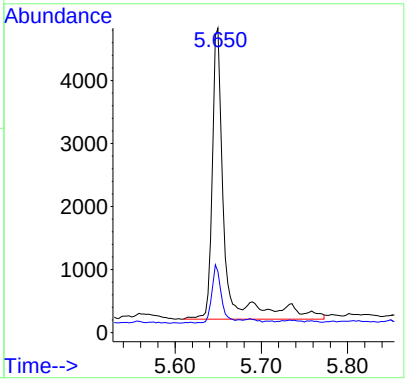


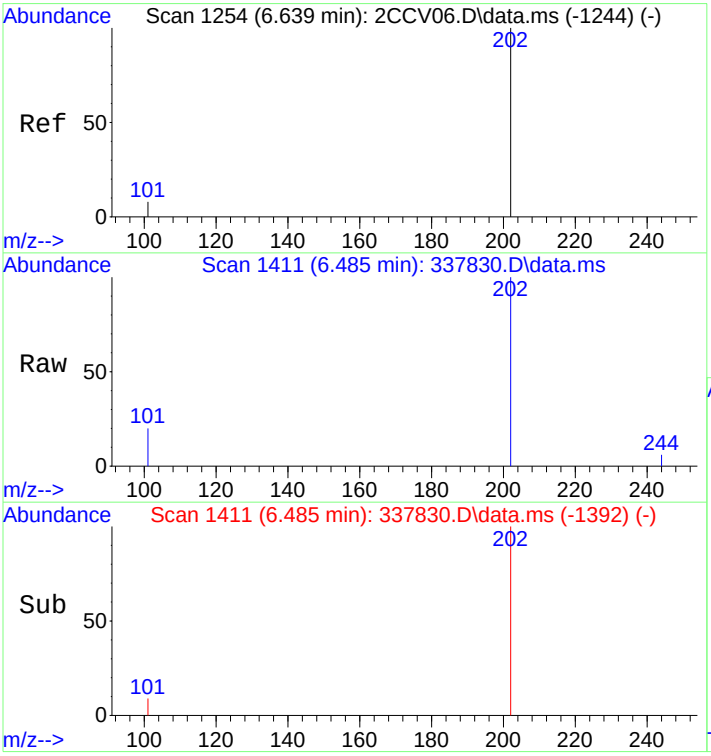


#14
Anthracene
Concen: 39.69 ng/mL
RT: 5.650 min Scan# 1165
Delta R.T. -0.036 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:178 Resp: 4634

Ion	Ratio	Lower	Upper
178	100		
176	17.6	0.0	47.9

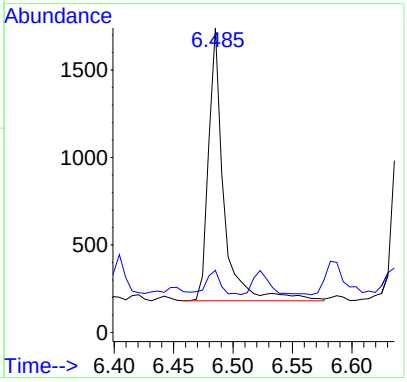


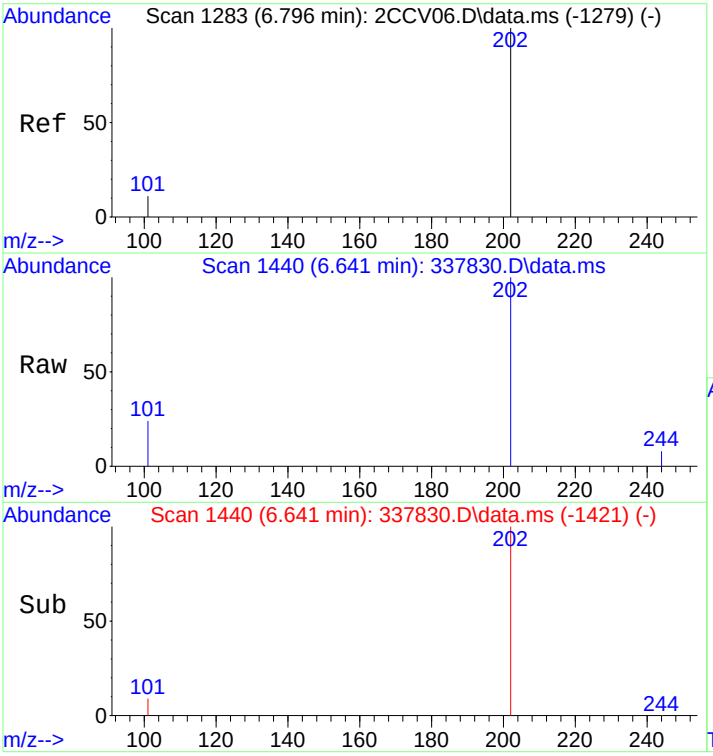


#15
Fluoranthene
Concen: 10.41 ng/mL
RT: 6.485 min Scan# 1411
Delta R.T. 0.000 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:202 Resp: 1382

Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	37.5

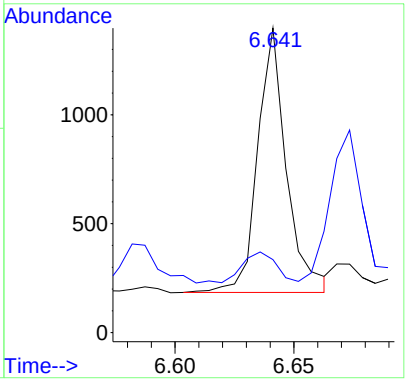


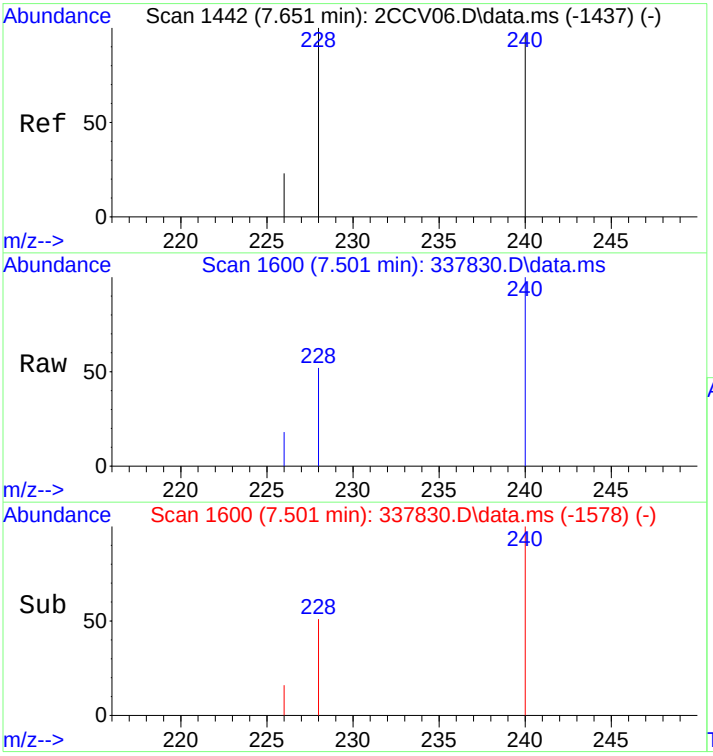


#17
Pyrene
Concen: 7.04 ng/mL
RT: 6.641 min Scan# 1440
Delta R.T. 0.000 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:202 Resp: 1023

Ion	Ratio	Lower	Upper
202	100		
101	6.0	0.0	38.8

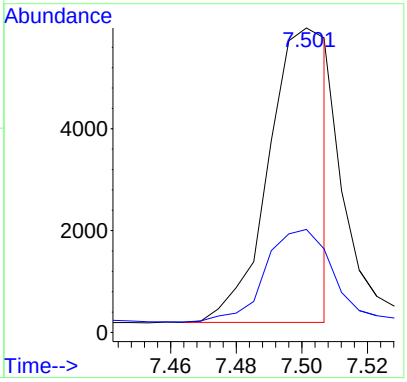


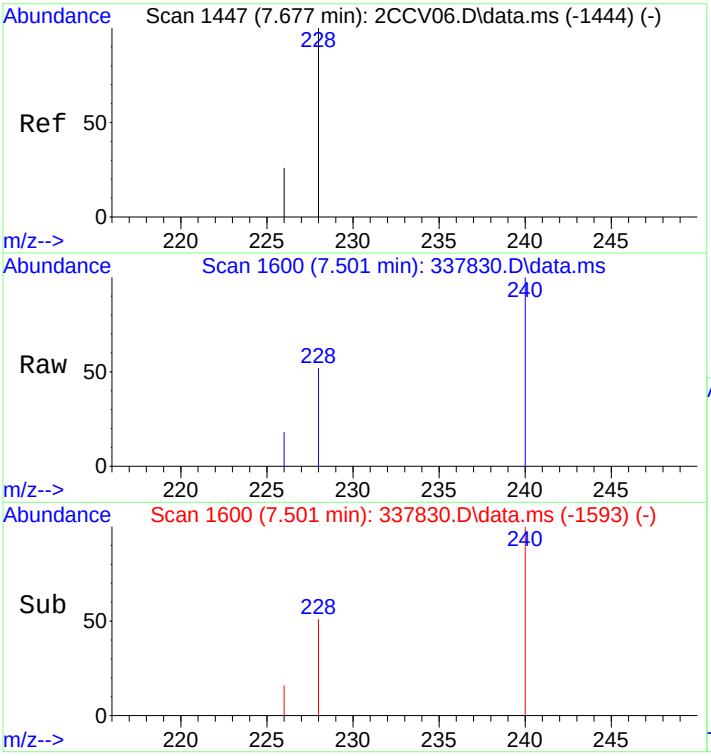


#19
B[a]anthracen
Concen: 81.27 ng/mL
RT: 7.501 min Scan# 1600
Delta R.T. 0.016 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:228 Resp: 7285

Ion	Ratio	Lower	Upper
228	100		
226	31.4	0.0	58.4

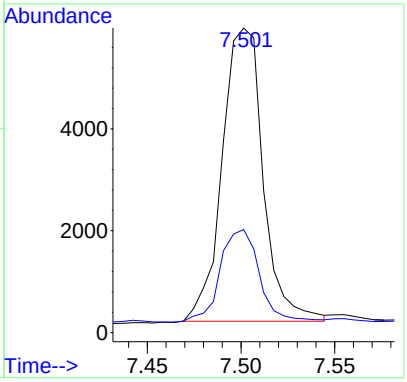


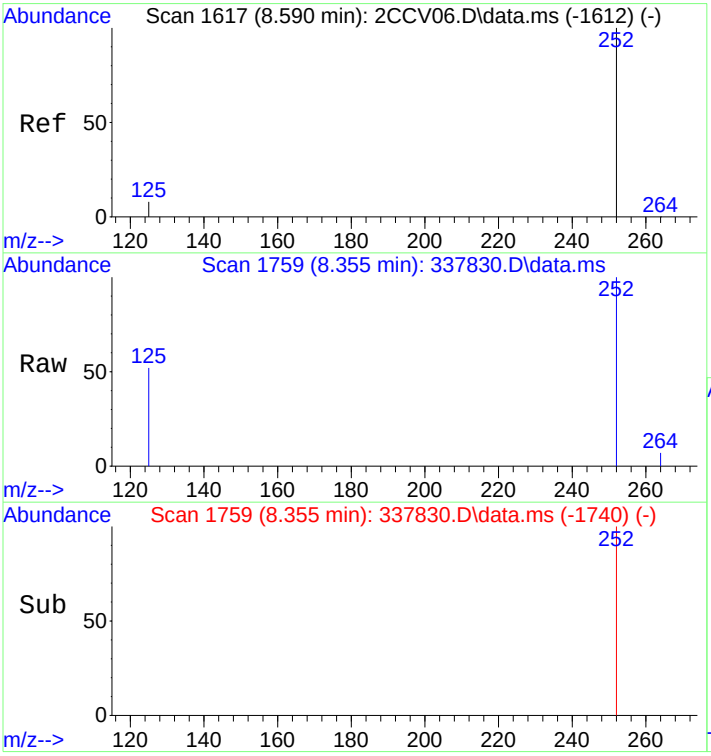


#20
Chrysene
Concen: 63.38 ng/mL
RT: 7.501 min Scan# 1600
Delta R.T. -0.005 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:228 Resp: 8772

Ion	Ratio	Lower	Upper
228	100		
226	31.2	0.0	57.2

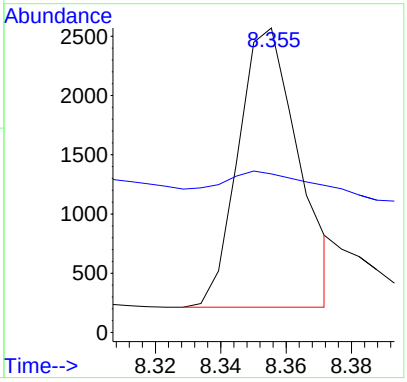


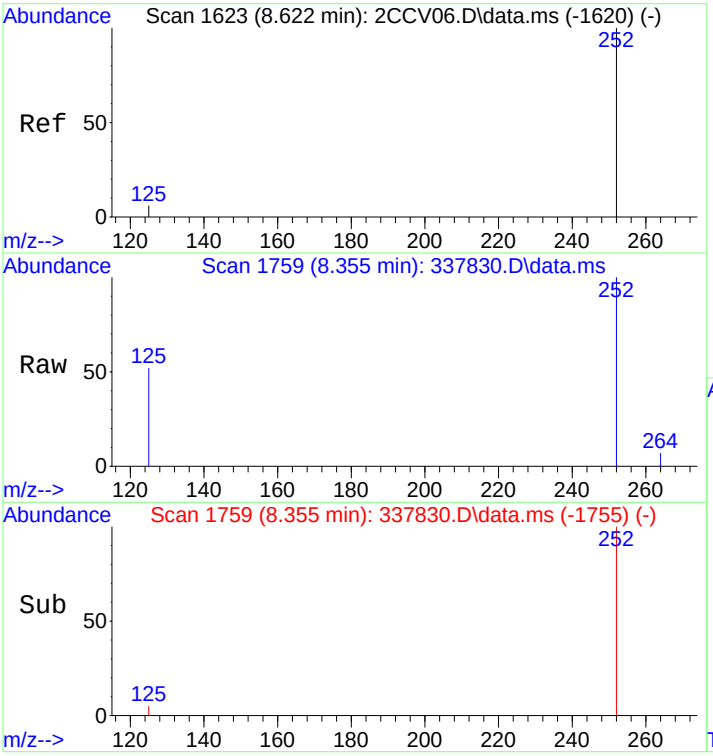


#22
B[b]fluoranth
Concen: 31.62 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. 0.000 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:252 Resp: 3025

Ion	Ratio	Lower	Upper
252	100		
125	5.4	0.0	37.8

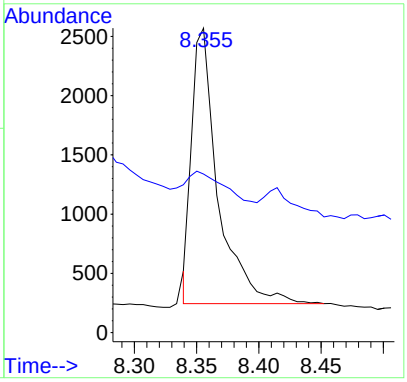


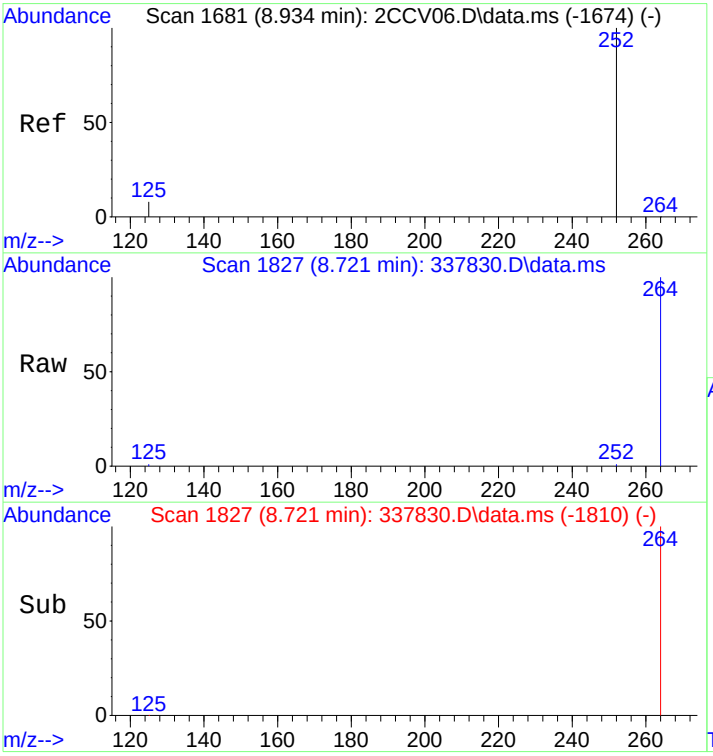


#23
B[k]fluoranth
Concen: 24.88 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. -0.027 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:252 Resp: 3432

Ion	Ratio	Lower	Upper
252	100		
125	15.5	0.0	37.7

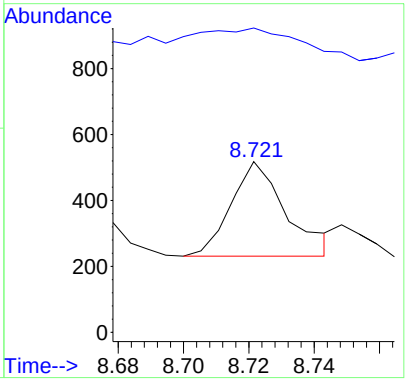


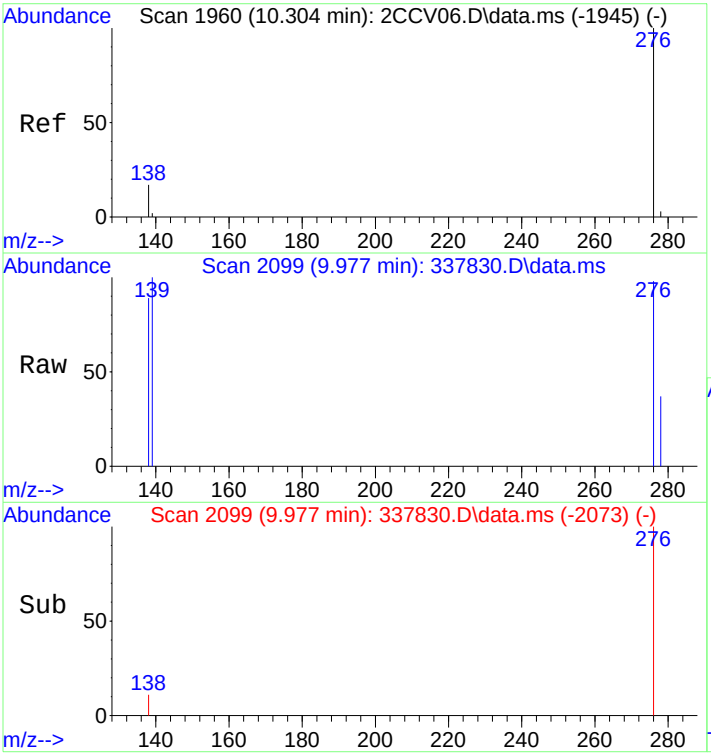


#24
Benz[a]pyrene
Concen: 3.28 ng/mL
RT: 8.721 min Scan# 1827
Delta R.T. 0.054 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:252 Resp: 337

Ion	Ratio	Lower	Upper
252	100		
125	24.7	0.0	39.1

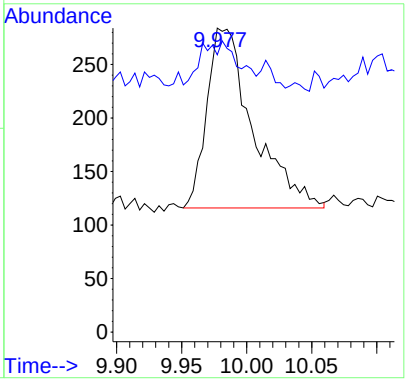


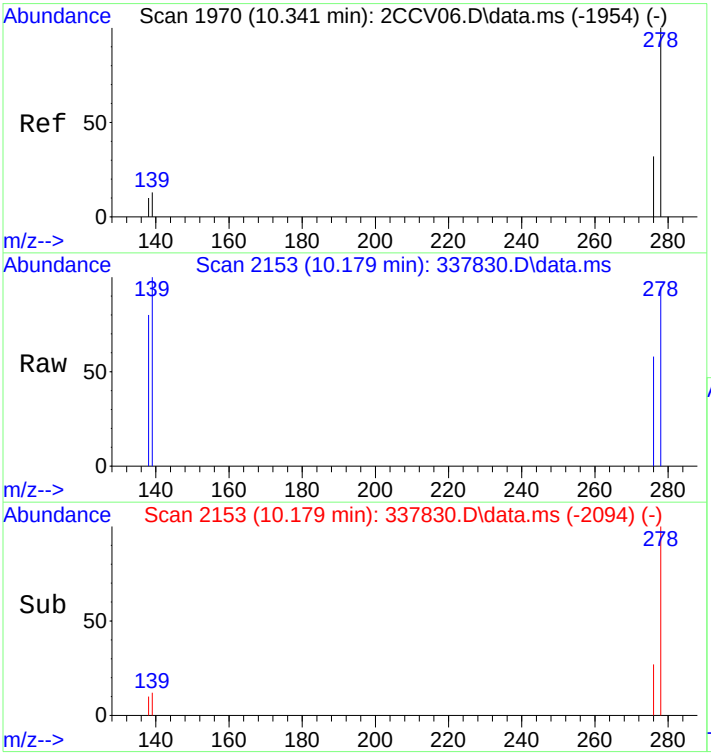


#25
Indeno-pyrene
Concen: 5.60 ng/mL
RT: 9.977 min Scan# 2099
Delta R.T. -0.004 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:276 Resp: 416

Ion	Ratio	Lower	Upper
276	100		
138	18.5	0.0	48.6

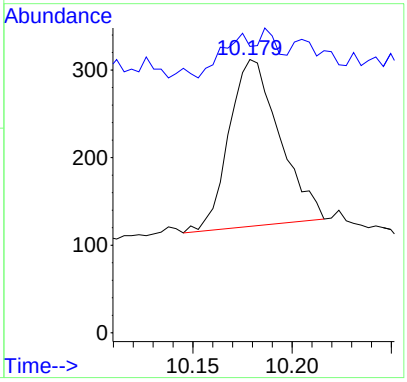


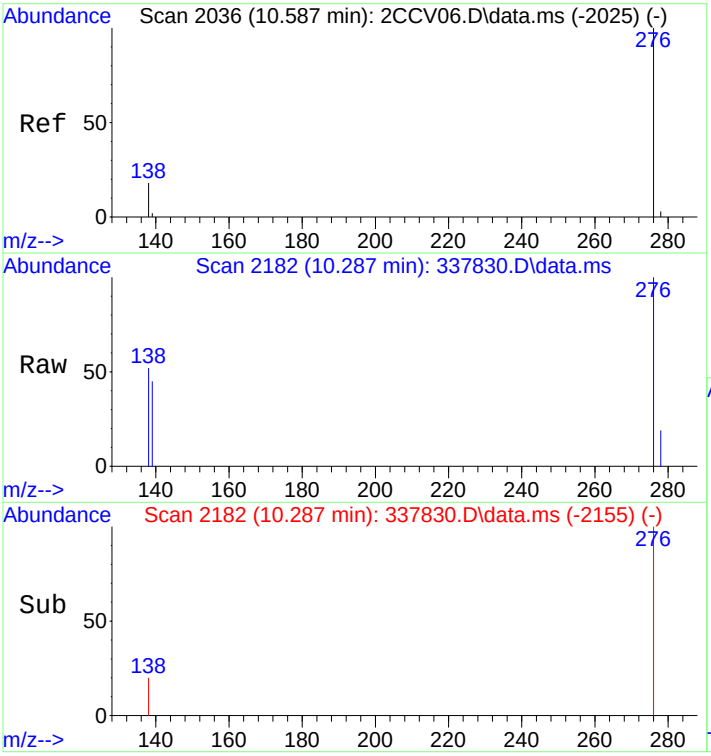


#26
Dib[ah]anthr
Concen: 6.35 ng/mL
RT: 10.179 min Scan# 2153
Delta R.T. 0.160 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:278 Resp: 338

Ion	Ratio	Lower	Upper
278	100		
139	12.6	0.0	45.4

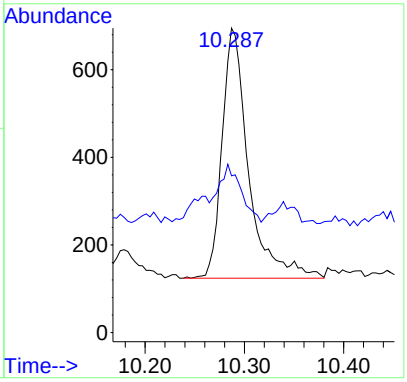




#27
B[ghi]perylen
Concen: 14.43 ng/mL
RT: 10.287 min Scan# 2182
Delta R.T. 0.000 min
Lab File: 337830.D
Acq: 22 Aug 13 5:46 pm

Tgt Ion:276 Resp: 1058

Ion	Ratio	Lower	Upper
276	100		
138	18.4	0.0	50.7



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337832.D Vial: 18
Acq On : 22 Aug 2013 18:06 Operator: RPN
Sample : 96978,337832, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 11:53:17 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 11:18:52 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

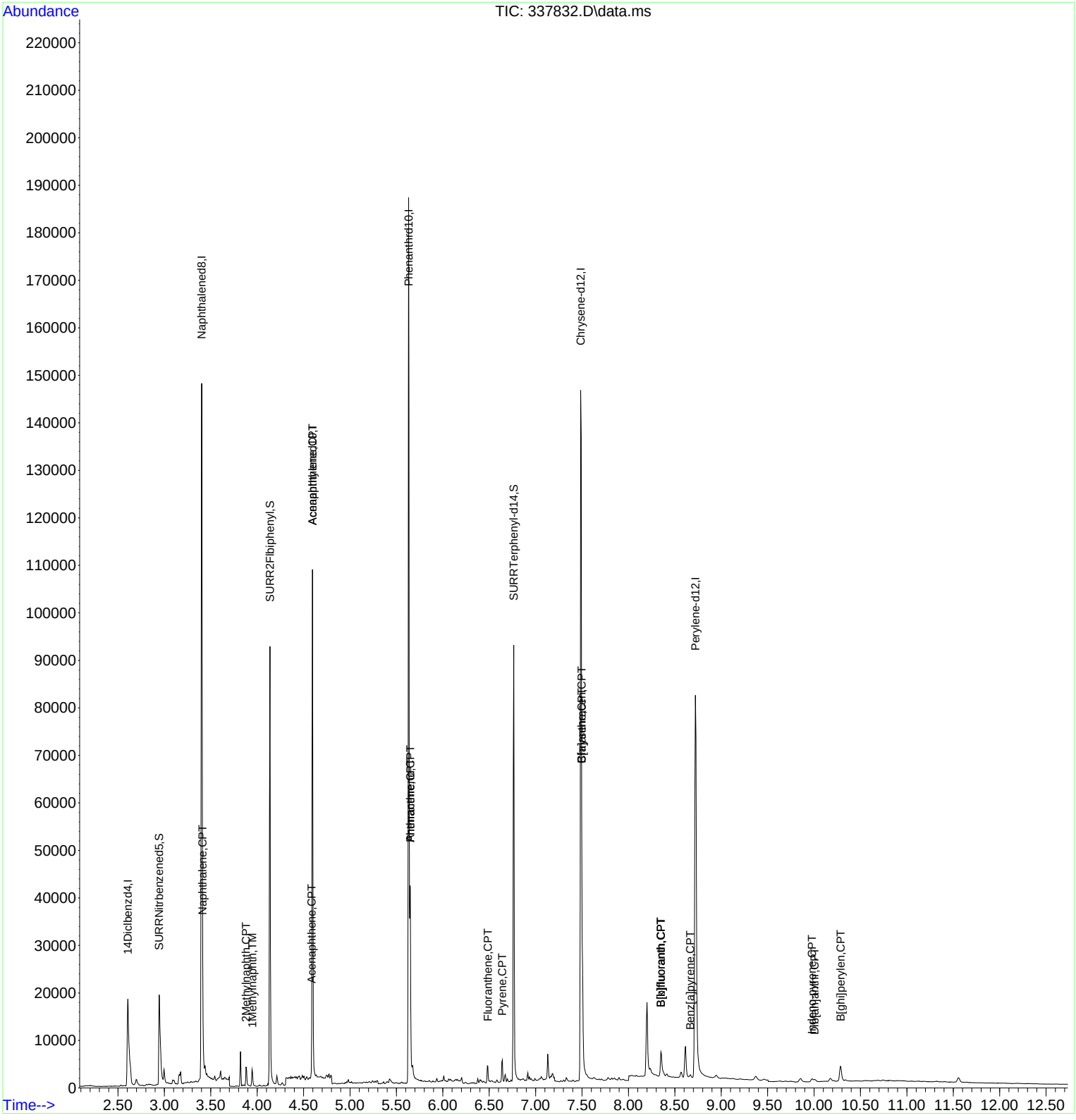
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.605	152	26051	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	108202	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	64895	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	123077	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	119661	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	106625	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.943	82	27019	89.47	%REC	-0.01
Spiked Amount 100.000			Recovery = 89.47%			
8) SURR2Flbiphenyl	4.137	172	62433	84.00	%REC	0.00
Spiked Amount 100.000			Recovery = 84.00%			
18) SURRTerphenyl-d14	6.765	244	67815	84.89	ng/mL	0.00
Spiked Amount 100.000			Recovery = 84.89%			
Target Compounds						Qvalue
4) Naphthalene	3.413	128	3387	35.5244	ng/mL#	1
5) 2Methylnaphth	3.880	142	1974	35.2149	ng/mL	93
6) 1Methylnaphth	3.950	142	1586	21.8397	ng/mL	93
9) Acnaphthylene	4.596	152	375	4.4703	ng/mL#	3
10) Acenaphthene	4.587	154	1516	24.0164	ng/mL#	1
13) Phenanthrene	5.649	178	23116	220.5332	ng/mL	97
14) Anthracene	5.649	178	24461	200.5330	ng/mL	99
15) Fluoranthene	6.485	202	3276	23.6087	ng/mL	96
17) Pyrene	6.641	202	3749	24.5304	ng/mL	94
19) B[a]anthracen	7.496	228	18891	200.3896	ng/mL	97
20) Chrysene	7.496	228	21915	150.5612	ng/mL	95
22) B[b]fluoranth	8.350	252	5673	55.9359	ng/mL	98
23) B[k]fluoranth	8.350	252	5483	37.4910	ng/mL	92
24) Benz[a]pyrene	8.668	252	709	6.5107	ng/mL	91
25) Indeno-pyrene	9.977	276	1067	13.5487	ng/mL	97
26) Dib[ah]anthr	10.007	278	482	8.5365	ng/mL	80
27) B[ghi]perylen	10.287	276	4842	62.3219	ng/mL	98

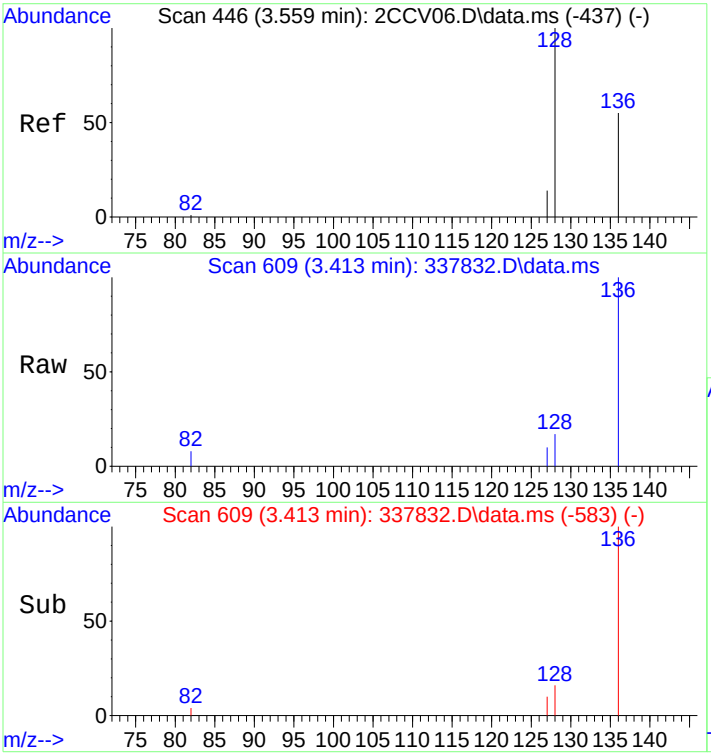
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337832.D Vial: 18
Acq On : 22 Aug 2013 18:06 Operator: RPN
Sample : 96978,337832, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 11:53:17 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 11:18:52 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

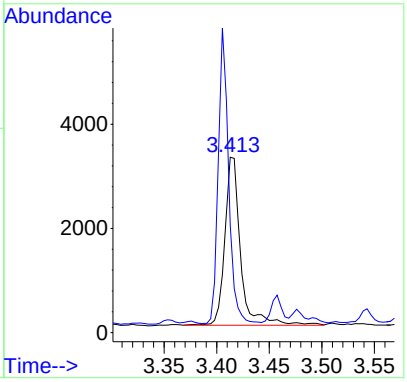


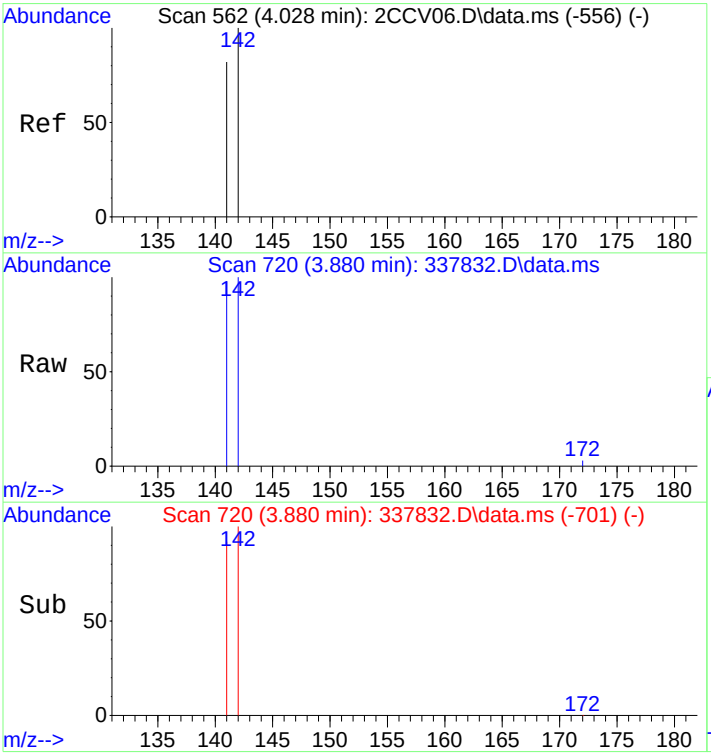


#4
Naphthalene
Concen: 35.52 ng/mL
RT: 3.413 min Scan# 609
Delta R.T. -0.004 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:128 Resp: 3387

Ion	Ratio	Lower	Upper
128	100		
127	58.0	0.0	42.4#

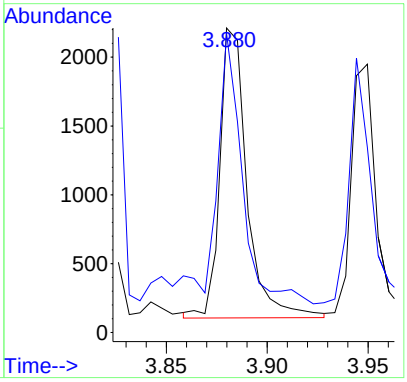


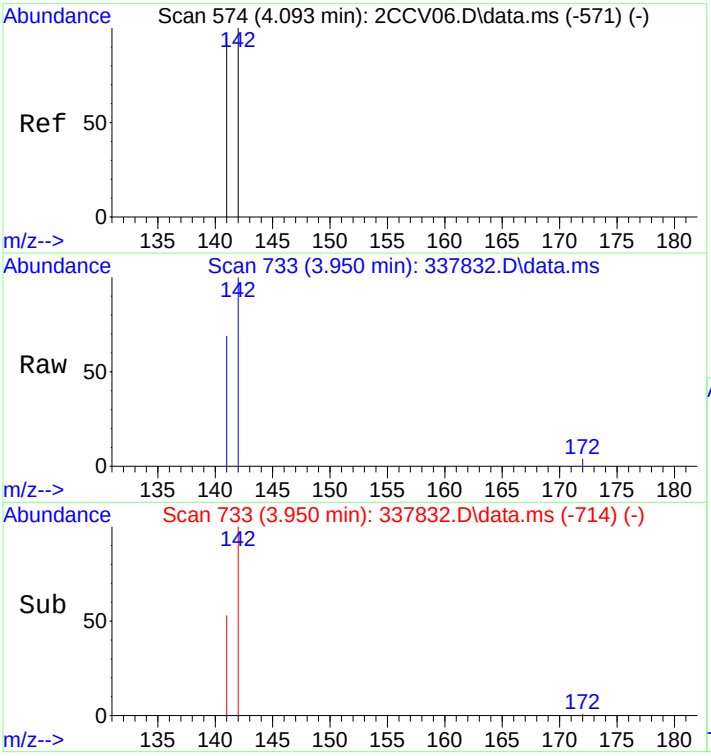


#5
2Methylnaphth
Concen: 35.21 ng/mL
RT: 3.880 min Scan# 720
Delta R.T. -0.000 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:142 Resp: 1974

Ion	Ratio	Lower	Upper
142	100		
141	88.0	51.8	111.8

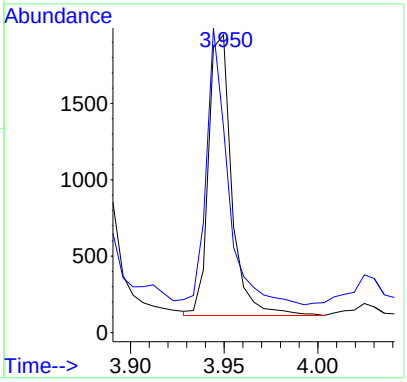


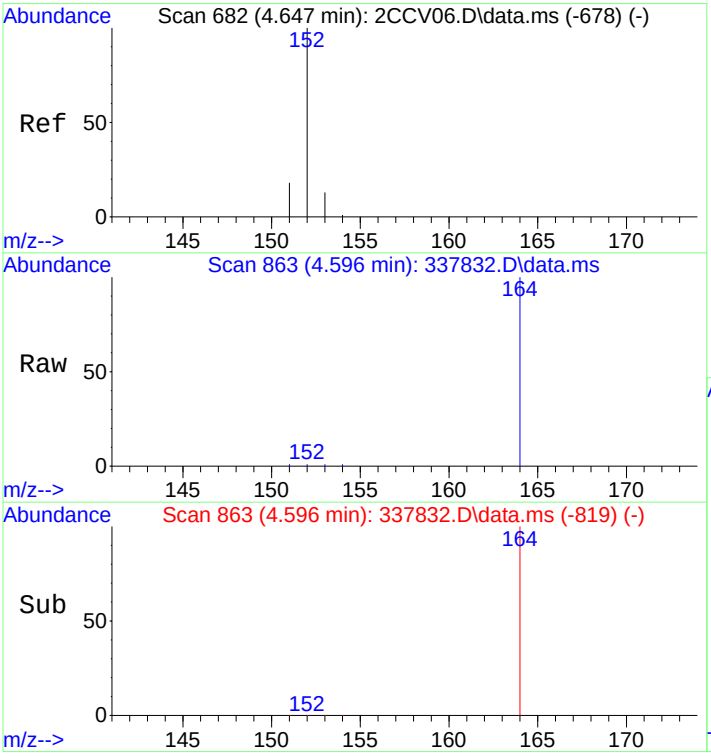


#6
1Methylnaphth
Concen: 21.84 ng/mL
RT: 3.950 min Scan# 733
Delta R.T. -0.000 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:142 Resp: 1586

Ion	Ratio	Lower	Upper
142	100		
141	90.2	54.2	114.2

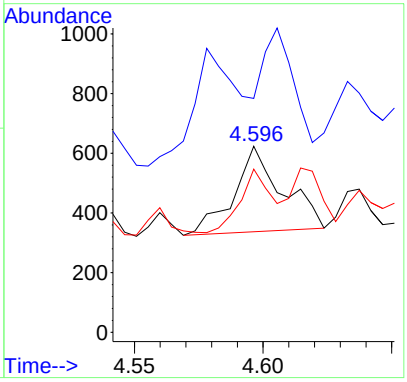


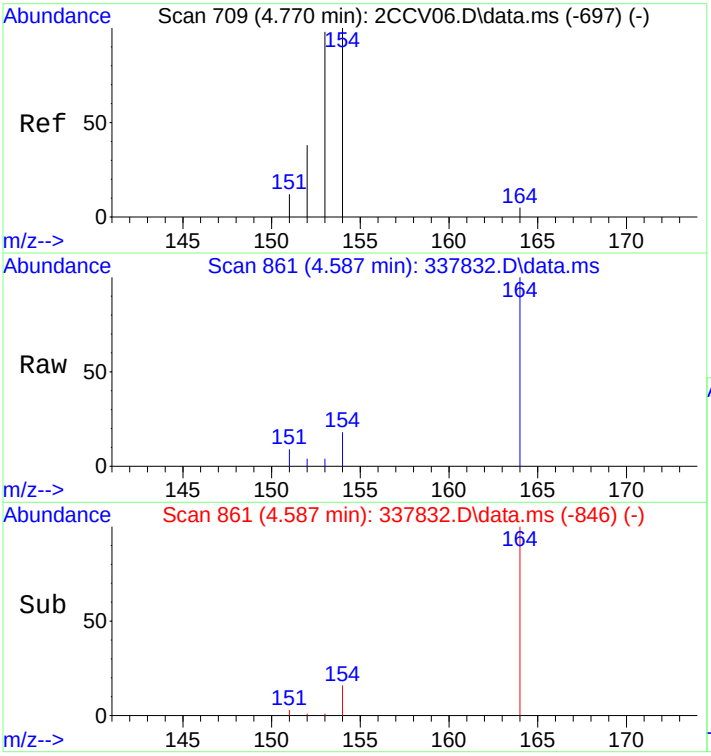


#9
Acnaphthylene
Concen: 4.47 ng/mL
RT: 4.596 min Scan# 863
Delta R.T. 0.100 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:152 Resp: 375

Ion	Ratio	Lower	Upper
152	100		
151	47.8	0.0	47.7#
153	69.2	0.0	44.6#

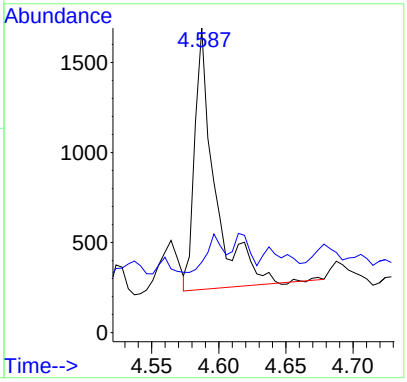


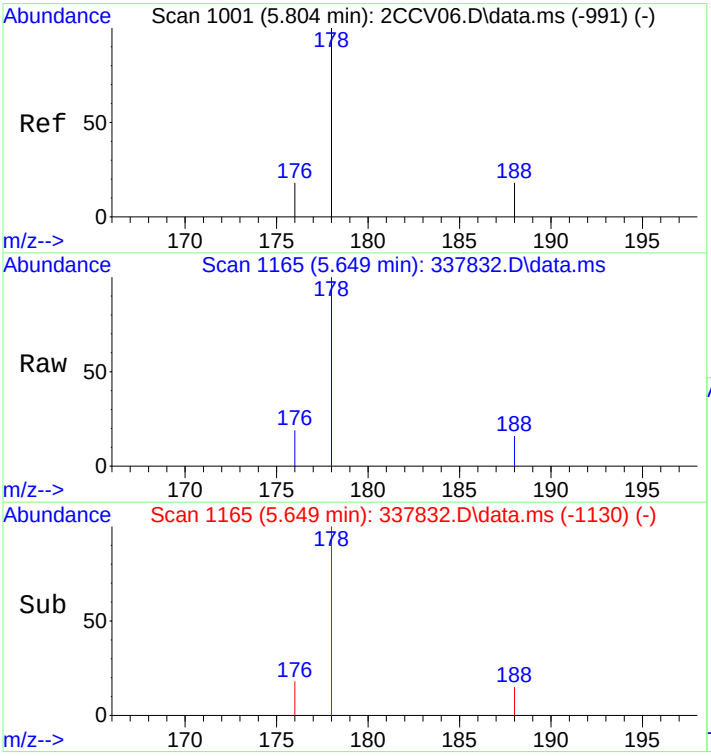


#10
Acenaphthene
Concen: 24.02 ng/mL
RT: 4.587 min Scan# 861
Delta R.T. -0.032 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:154 Resp: 1516

Ion	Ratio	Lower	Upper
154	100		
153	4.0	84.6	144.6#

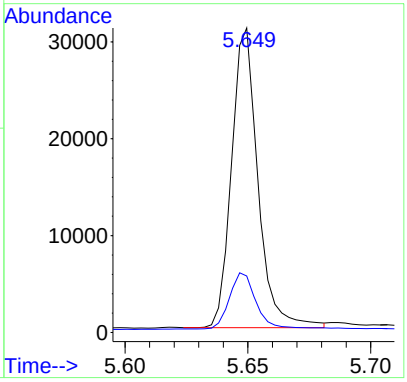


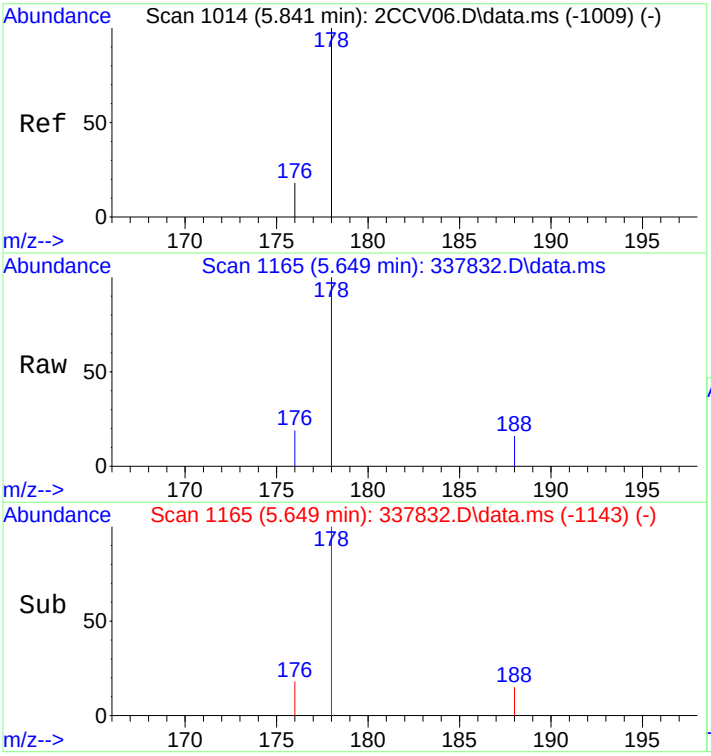


#13
Phenanthrene
Concen: 220.53 ng/mL
RT: 5.649 min Scan# 1165
Delta R.T. -0.000 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:178 Resp: 23116

Ion	Ratio	Lower	Upper
178	100		
176	17.6	0.0	49.2

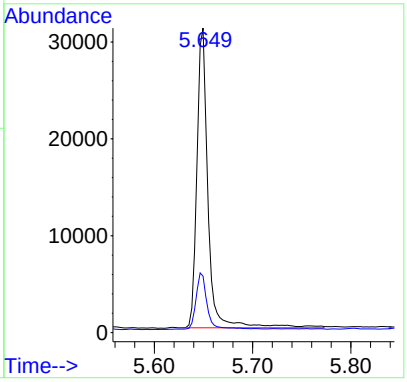


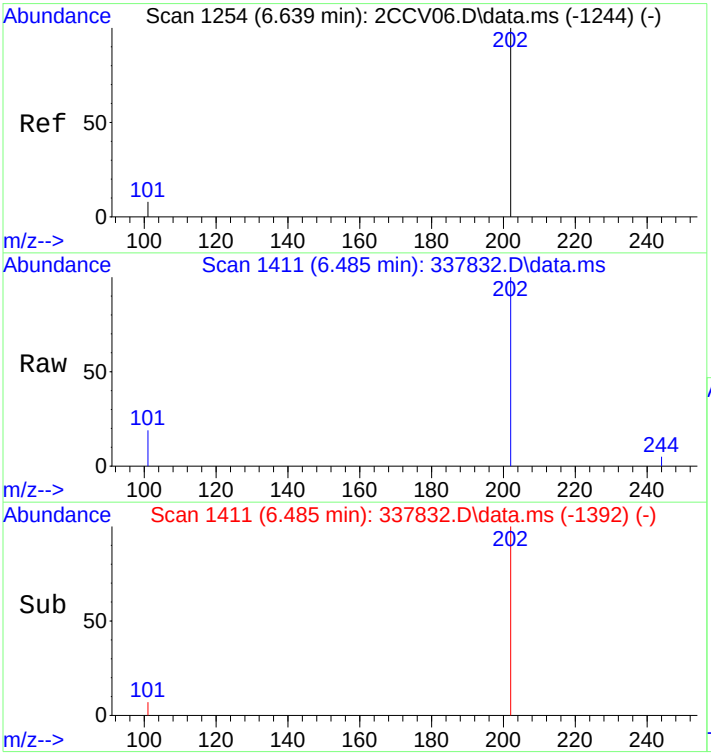


#14
Anthracene
Concen: 200.53 ng/mL
RT: 5.649 min Scan# 1165
Delta R.T. -0.037 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:178 Resp: 24461

Ion	Ratio	Lower	Upper
178	100		
176	17.7	0.0	47.9

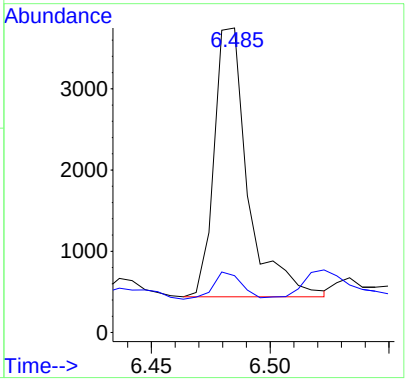


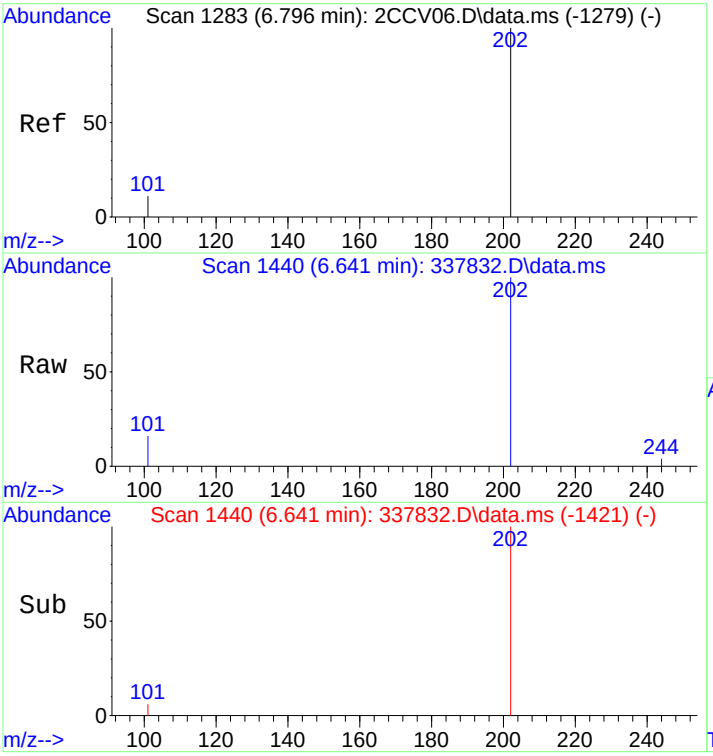


#15
Fluoranthene
Concen: 23.61 ng/mL
RT: 6.485 min Scan# 1411
Delta R.T. -0.000 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:202 Resp: 3276

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	37.5

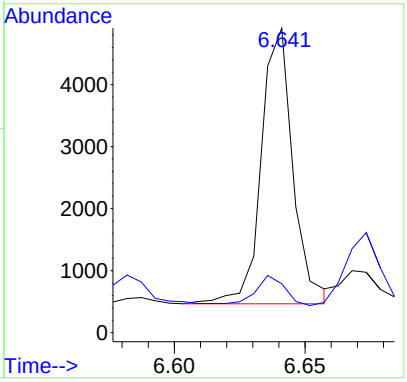


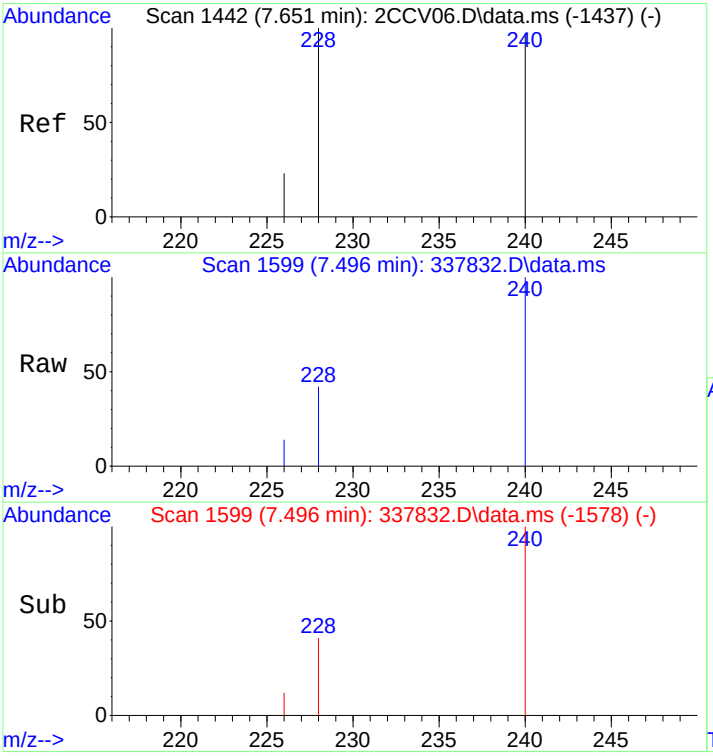


#17
Pyrene
Concen: 24.53 ng/mL
RT: 6.641 min Scan# 1440
Delta R.T. -0.000 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:202 Resp: 3749

Ion	Ratio	Lower	Upper
202	100		
101	6.8	0.0	38.8

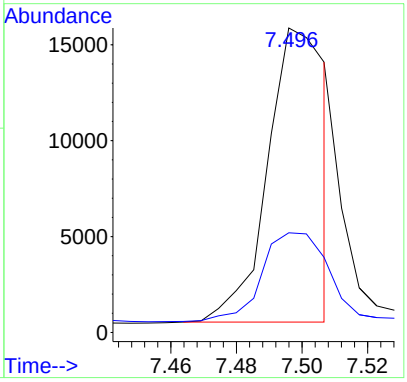


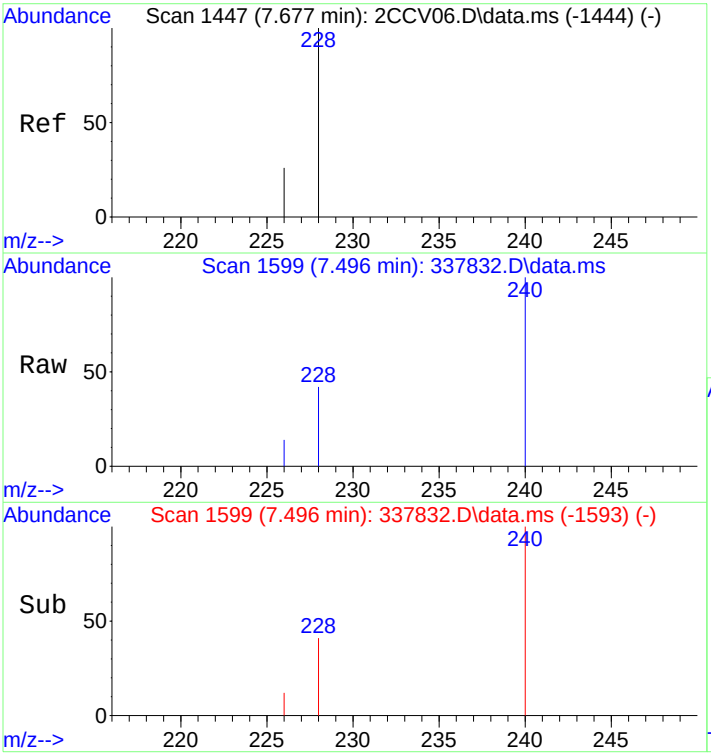


#19
B[a]anthracen
Concen: 200.39 ng/mL
RT: 7.496 min Scan# 1599
Delta R.T. 0.011 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:228 Resp: 18891

Ion	Ratio	Lower	Upper
228	100		
226	30.1	0.0	58.4

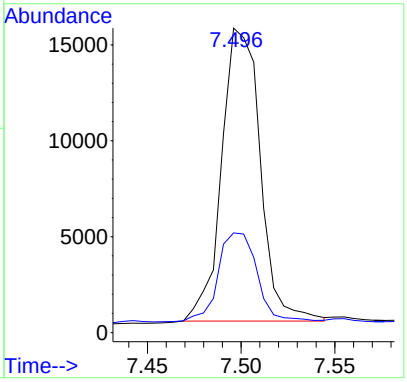


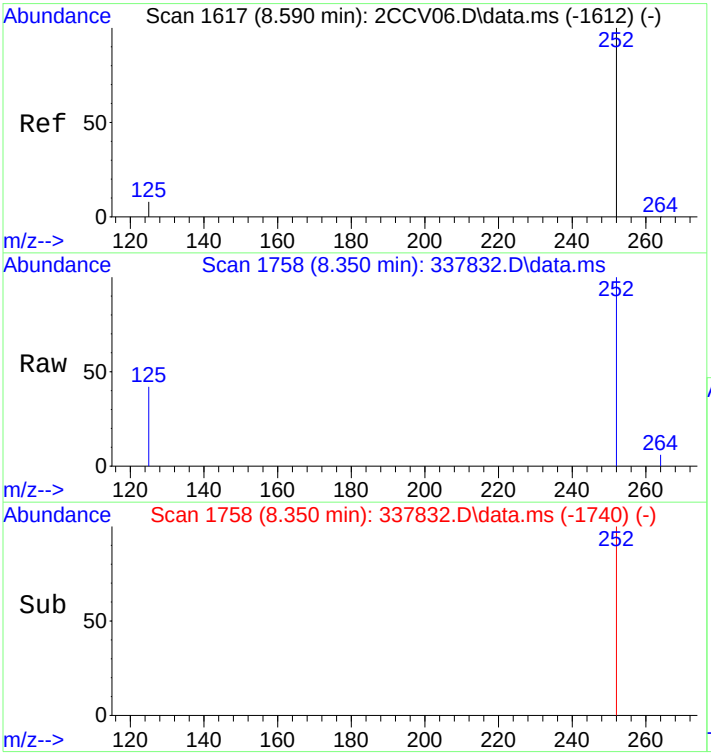


#20
Chrysene
Concen: 150.56 ng/mL
RT: 7.496 min Scan# 1599
Delta R.T. -0.011 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:228 Resp: 21915

Ion	Ratio	Lower	Upper
228	100		
226	30.0	0.0	57.2

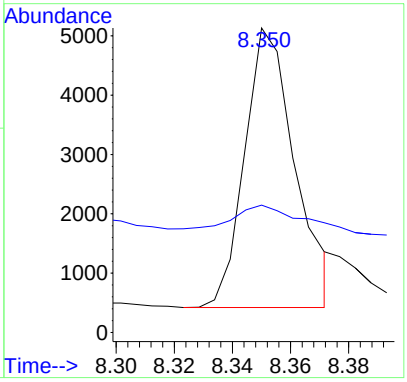


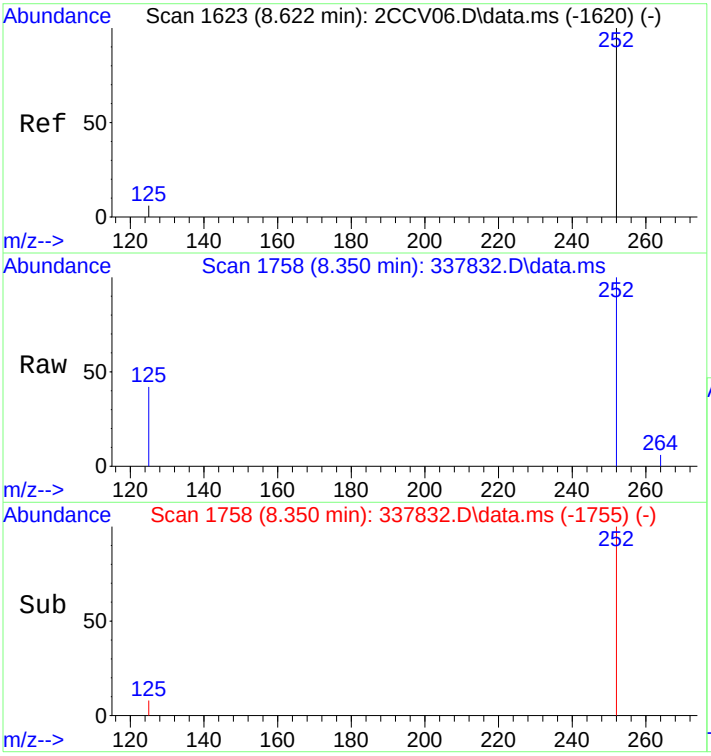


#22
B[b]fluoranth
Concen: 55.94 ng/mL
RT: 8.350 min Scan# 1758
Delta R.T. -0.005 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:252 Resp: 5673

Ion	Ratio	Lower	Upper
252	100		
125	8.5	0.0	37.8

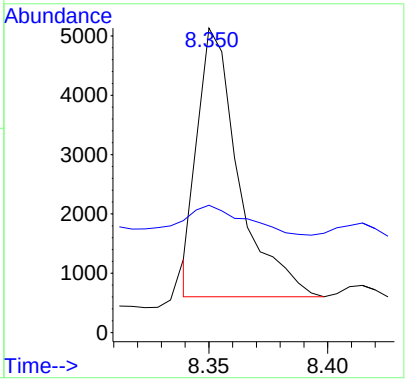


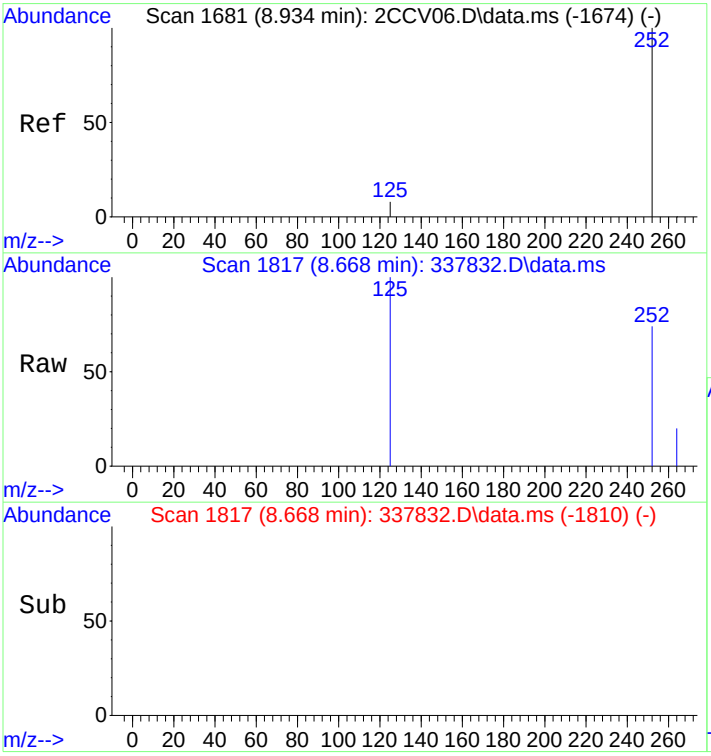


#23
B[k]fluoranth
Concen: 37.49 ng/mL
RT: 8.350 min Scan# 1758
Delta R.T. -0.032 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:252 Resp: 5483

Ion	Ratio	Lower	Upper
252	100		
125	10.4	0.0	37.7

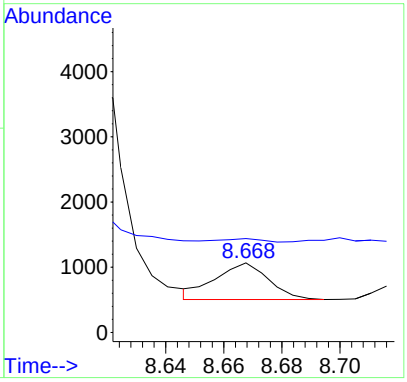


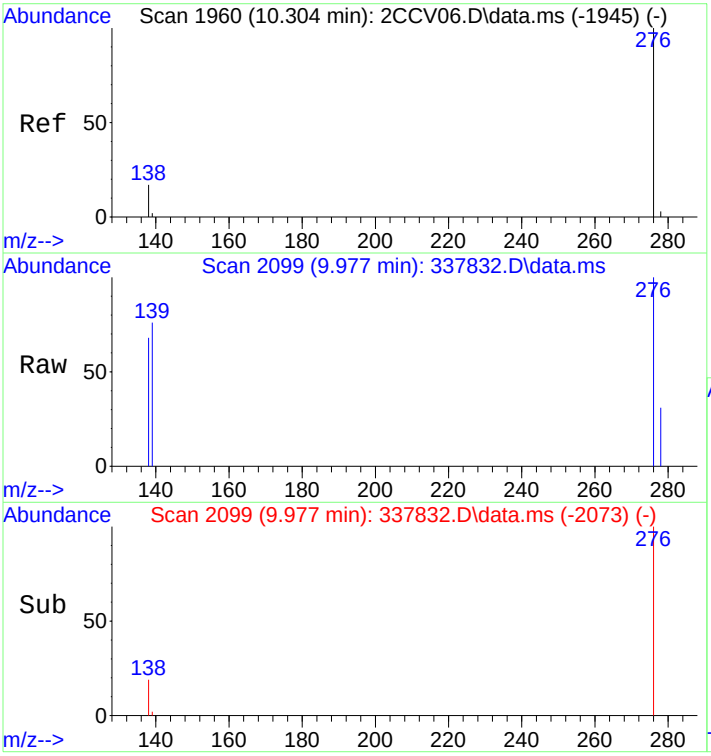


#24
Benz[a]pyrene
Concen: 6.51 ng/mL
RT: 8.668 min Scan# 1817
Delta R.T. -0.000 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:252 Resp: 709

Ion	Ratio	Lower	Upper
252	100		
125	5.9	0.0	39.1

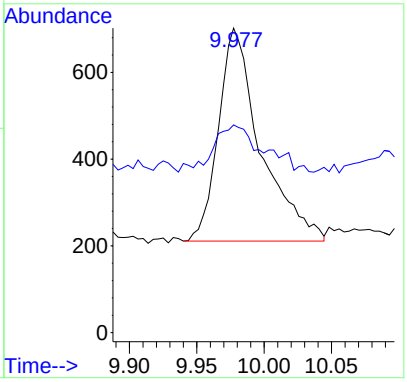


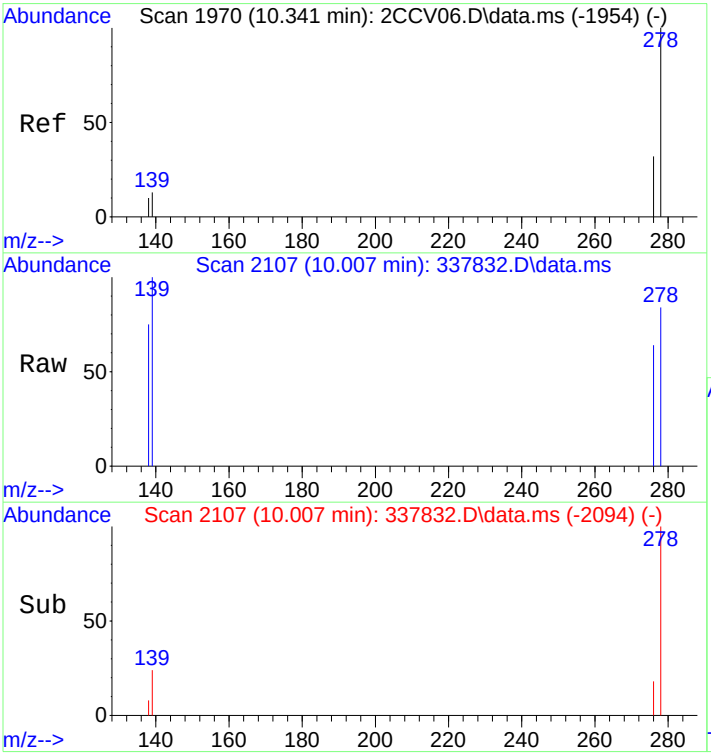


#25
Indeno-pyrene
Concen: 13.55 ng/mL
RT: 9.977 min Scan# 2099
Delta R.T. -0.004 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:276 Resp: 1067

Ion	Ratio	Lower	Upper
276	100		
138	20.0	0.0	48.6

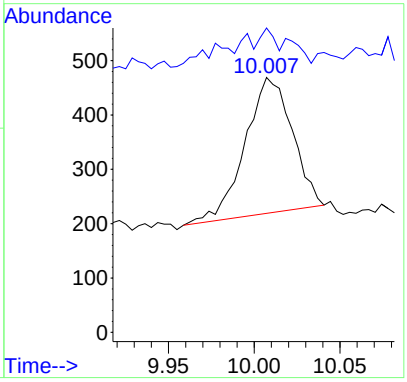


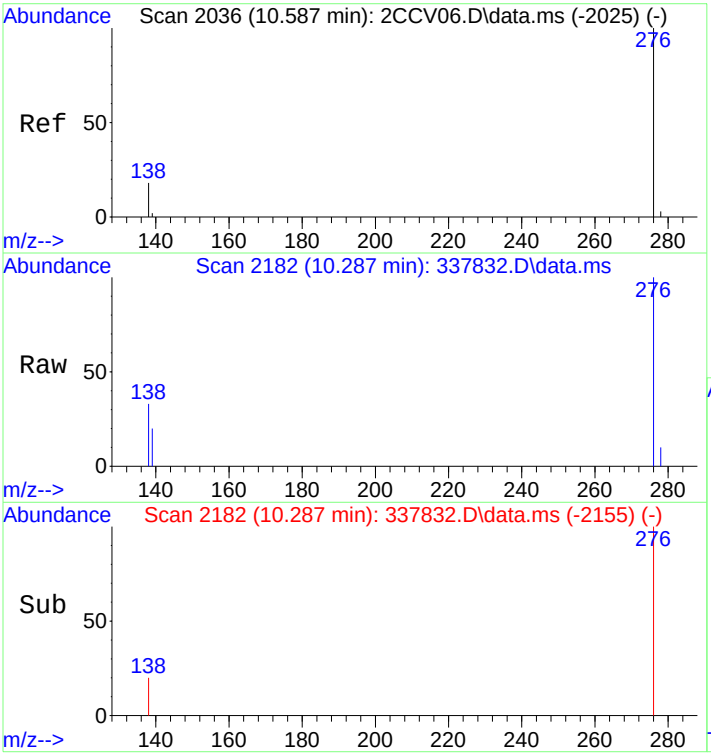


#26
Dib[ah]anthr
Concen: 8.54 ng/mL
RT: 10.007 min Scan# 2107
Delta R.T. -0.011 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:278 Resp: 482

Ion	Ratio	Lower	Upper
278	100		
139	23.9	0.0	45.4

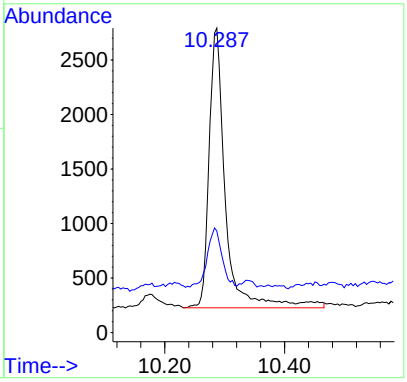




#27
B[ghi]perylen
Concen: 62.32 ng/mL
RT: 10.287 min Scan# 2182
Delta R.T. -0.000 min
Lab File: 337832.D
Acq: 22 Aug 13 6:06 pm

Tgt Ion:276 Resp: 4842

Ion	Ratio	Lower	Upper
276	100		
138	19.6	0.0	50.7



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337834.D Vial: 19
Acq On : 22 Aug 2013 18:26 Operator: RPN
Sample : 96978,337834, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 11:55:37 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 11:18:52 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

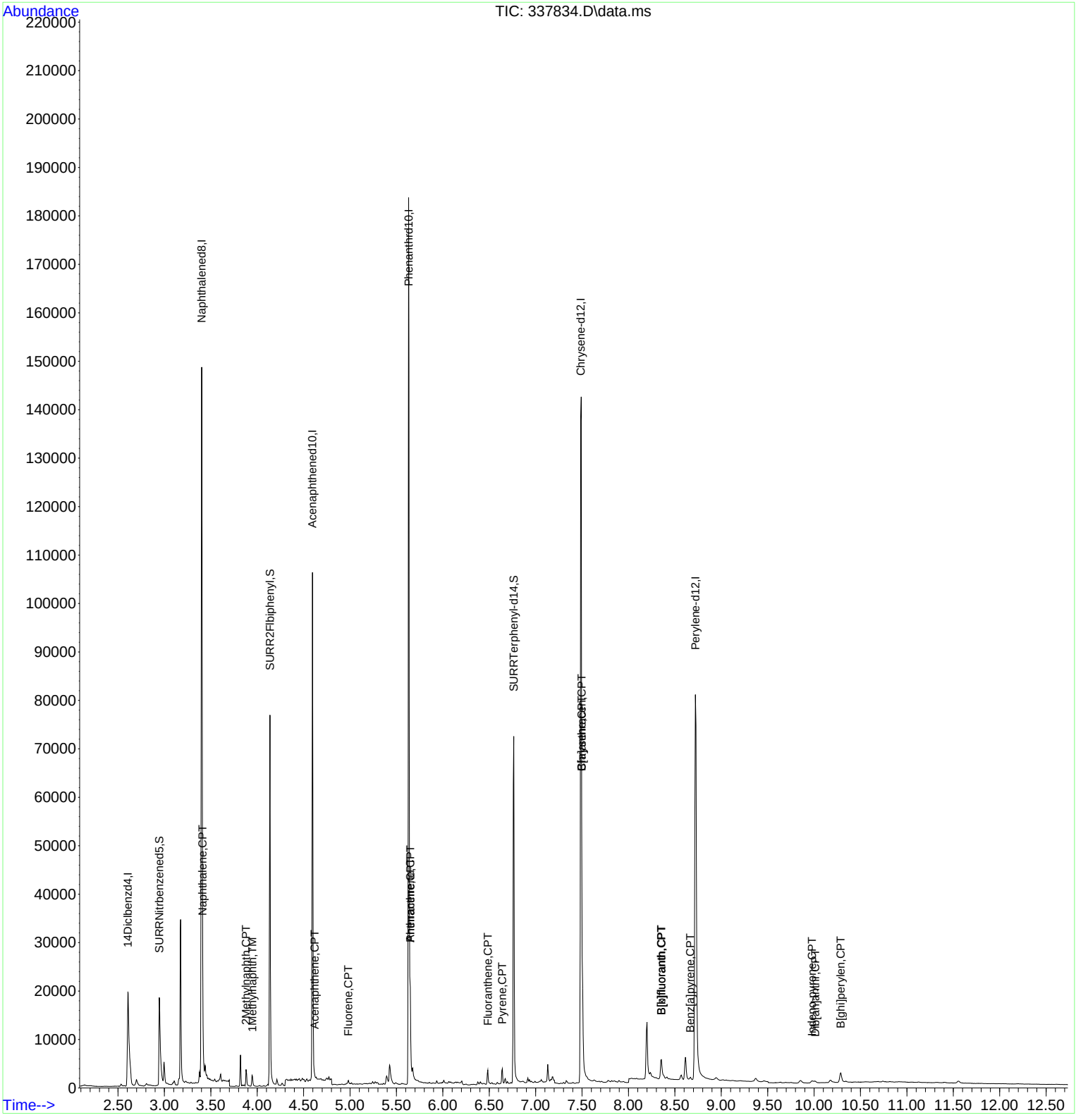
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.607	152	26144	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	107848	1000.00	ng/mL	0.00
7) Acenaphthened10	4.595	164	64450	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	123019	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	119266	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	105625	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.945	82	20247	67.27	%REC	0.00
Spiked Amount 100.000			Recovery = 67.27%			
8) SURR2Flbiphenyl	4.137	172	53020	71.83	%REC	0.00
Spiked Amount 100.000			Recovery = 71.83%			
18) SURRTerphenyl-d14	6.765	244	57859	72.67	ng/mL	0.00
Spiked Amount 100.000			Recovery = 72.67%			
Target Compounds						Qvalue
4) Naphthalene	3.413	128	2431	25.5812	ng/mL#	1
5) 2Methylnaphth	3.880	142	1569	28.0818	ng/mL	74
6) 1Methylnaphth	3.950	142	1066	14.7273	ng/mL	90
10) Acenaphthene	4.618	154	314	5.0087	ng/mL	73
11) Fluorene	4.982	166	448	6.5070	ng/mL	98
13) Phenanthrene	5.649	178	9225	88.0506	ng/mL	97
14) Anthracene	5.649	178	10402	85.3165	ng/mL	100
15) Fluoranthene	6.485	202	2450	17.6644	ng/mL	98
17) Pyrene	6.641	202	2589	16.9964	ng/mL	92
19) B[a]anthracen	7.496	228	14843	157.9712	ng/mL	96
20) Chrysene	7.496	228	17533	120.8547	ng/mL	94
22) B[b]fluoranth	8.355	252	4573	45.5168	ng/mL	100
23) B[k]fluoranth	8.355	252	4466	30.8262	ng/mL	100
24) Benz[a]pyrene	8.667	252	616	5.7102	ng/mL	81
25) Indeno-pyrene	9.977	276	820	10.5109	ng/mL	93
26) Dib[ah]anthr	10.014	278	369	6.5971	ng/mL	78
27) B[ghi]perylen	10.287	276	3036	39.4467	ng/mL	97

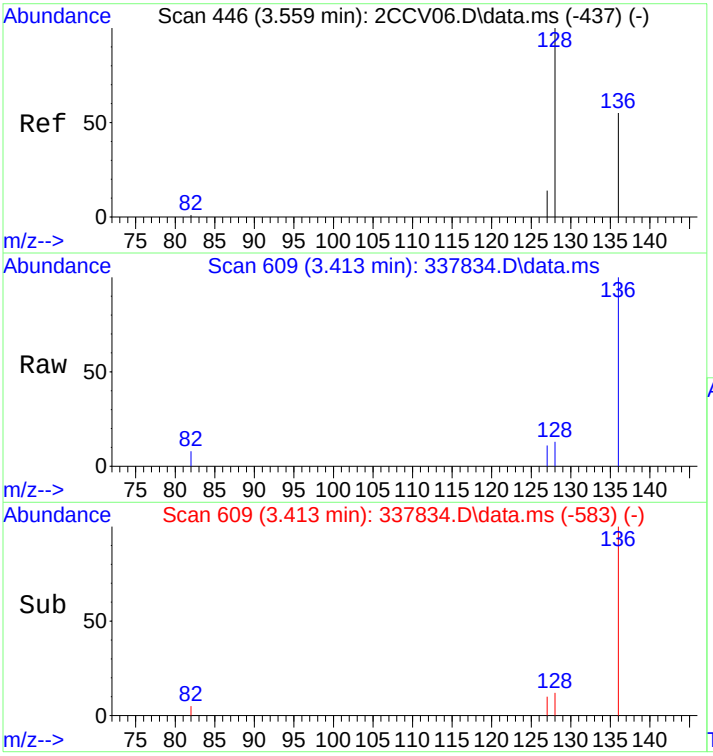
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337834.D Vial: 19
Acq On : 22 Aug 2013 18:26 Operator: RPN
Sample : 96978,337834, Inst : SVMS2
Misc : 500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 11:55:37 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 11:18:52 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

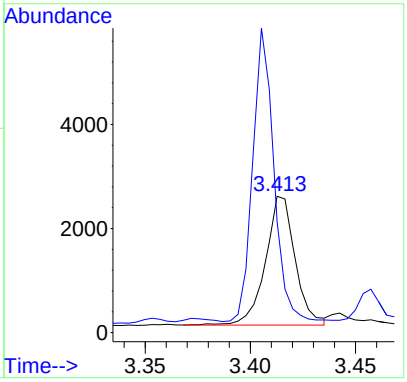


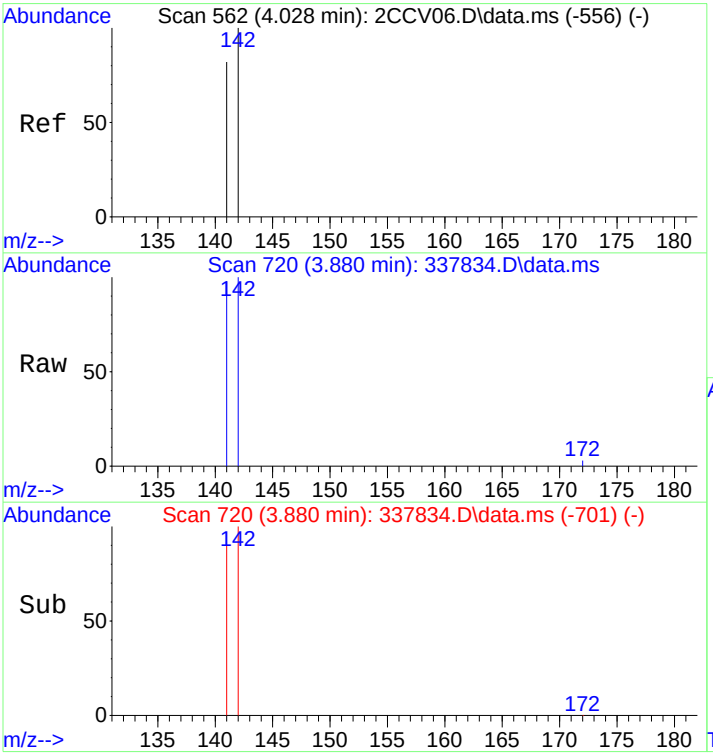


#4
Naphthalene
Concen: 25.58 ng/mL
RT: 3.413 min Scan# 609
Delta R.T. -0.004 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:128 Resp: 2431

Ion	Ratio	Lower	Upper
128	100		
127	76.4	0.0	42.4#

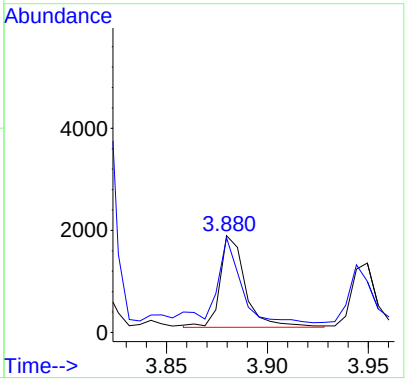


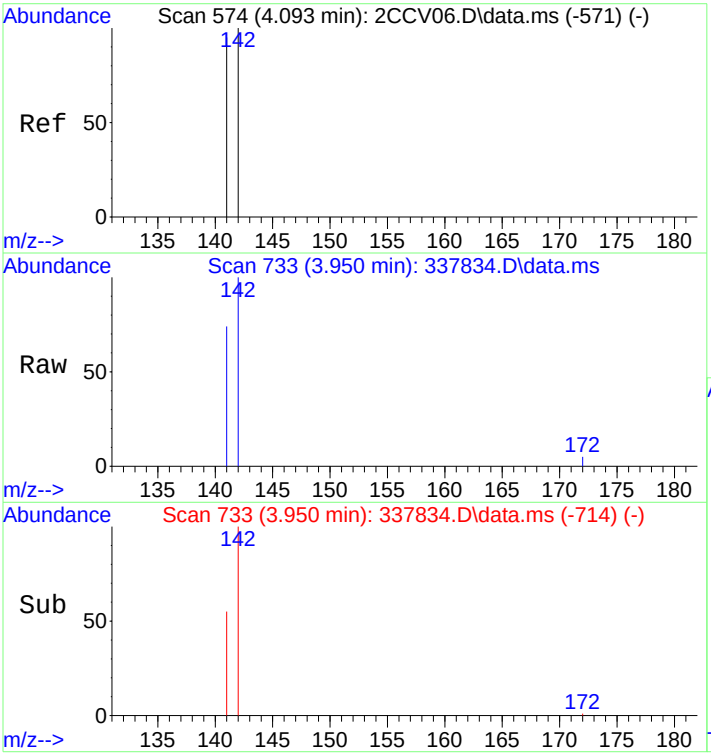


#5
2Methylnaphth
Concen: 28.08 ng/mL
RT: 3.880 min Scan# 720
Delta R.T. -0.000 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:142 Resp: 1569

Ion	Ratio	Lower	Upper
142	100		
141	105.2	51.8	111.8

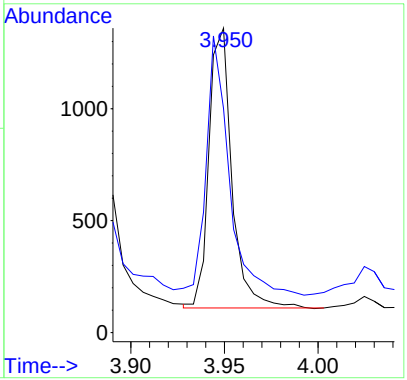


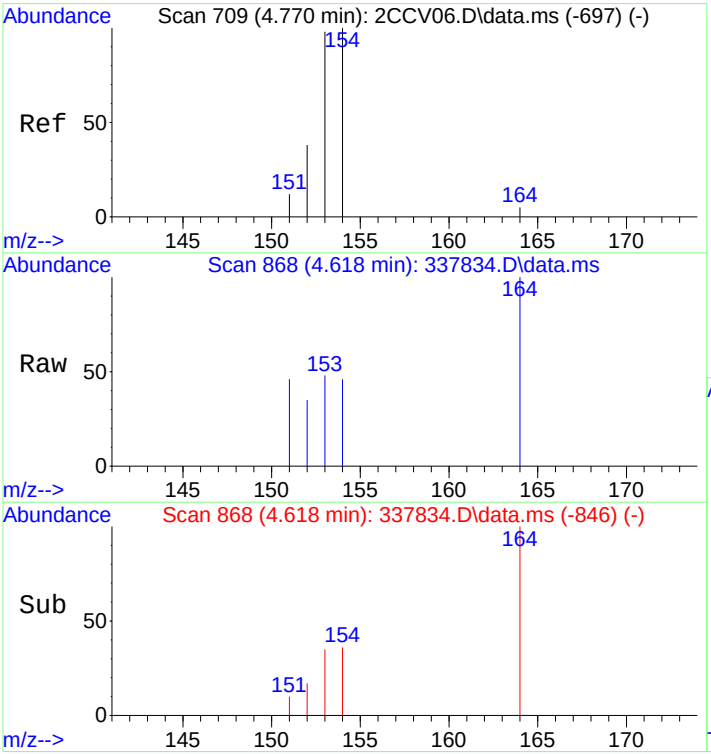


#6
1Methylnaphth
Concen: 14.73 ng/mL
RT: 3.950 min Scan# 733
Delta R.T. -0.000 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:142 Resp: 1066

Ion	Ratio	Lower	Upper
142	100		
141	93.2	54.2	114.2

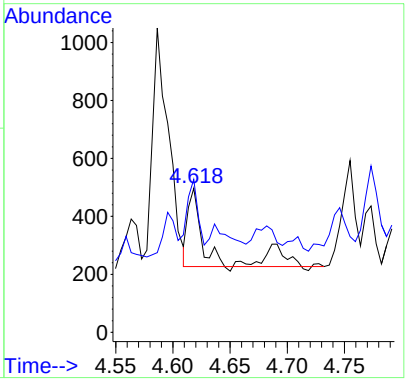


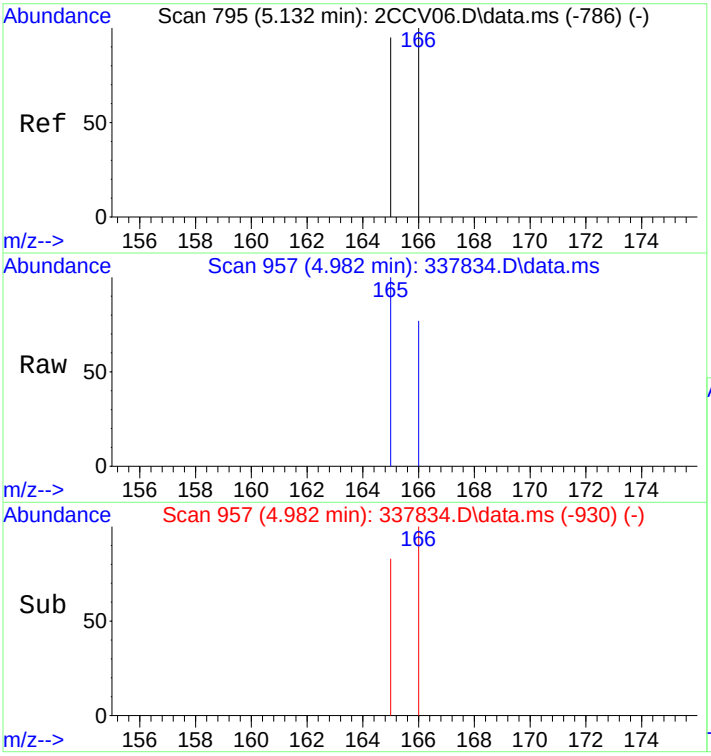


#10
Acenaphthene
Concen: 5.01 ng/mL
RT: 4.618 min Scan# 868
Delta R.T. -0.001 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:154 Resp: 314

Ion	Ratio	Lower	Upper
154	100		
153	85.2	84.6	144.6

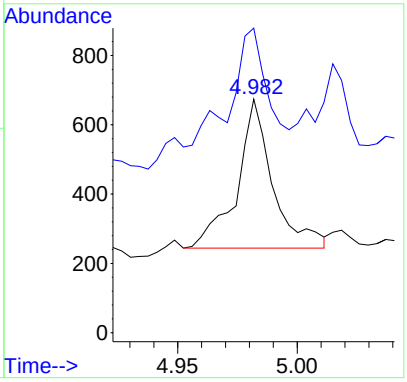


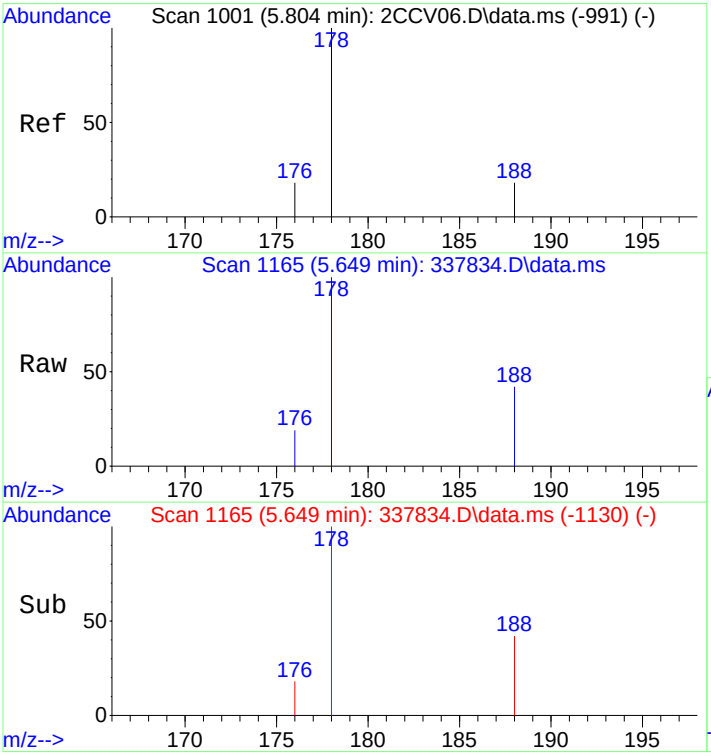


#11
Fluorene
Concen: 6.51 ng/mL
RT: 4.982 min Scan# 957
Delta R.T. -0.001 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:166 Resp: 448

Ion	Ratio	Lower	Upper
166	100		
165	79.8	47.7	107.7

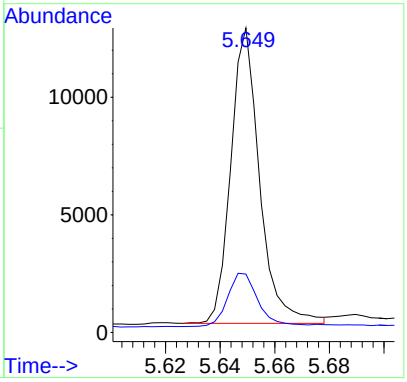


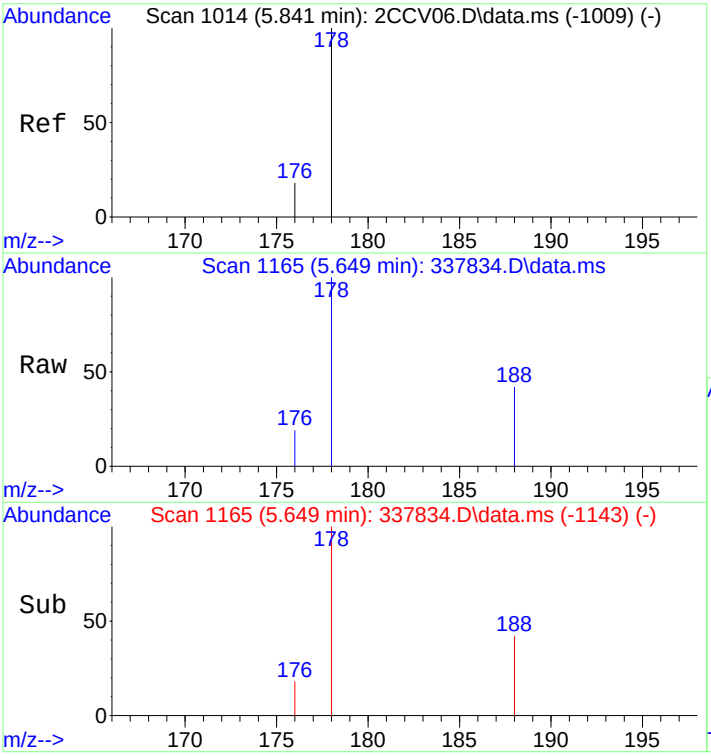


#13
Phenanthrene
Concen: 88.05 ng/mL
RT: 5.649 min Scan# 1165
Delta R.T. -0.000 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:178 Resp: 9225

Ion	Ratio	Lower	Upper
178	100		
176	17.8	0.0	49.2

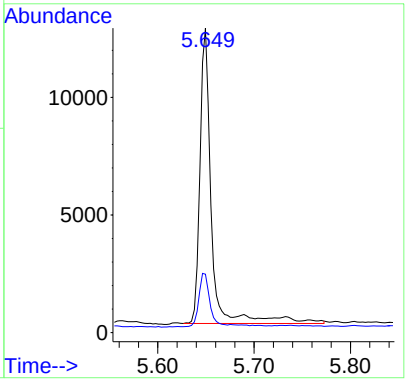


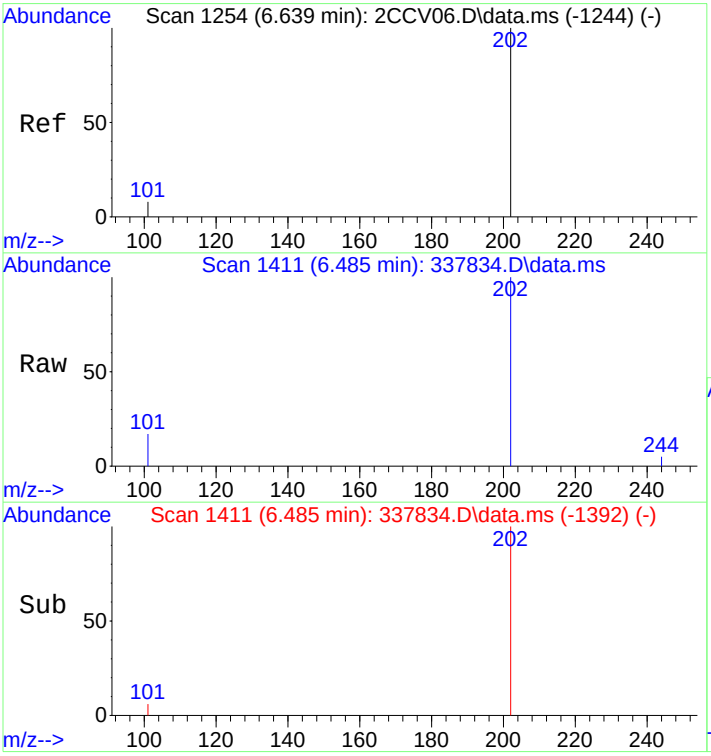


#14
Anthracene
Concen: 85.32 ng/mL
RT: 5.649 min Scan# 1165
Delta R.T. -0.037 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:178 Resp: 10402

Ion	Ratio	Lower	Upper
178	100		
176	17.8	0.0	47.9

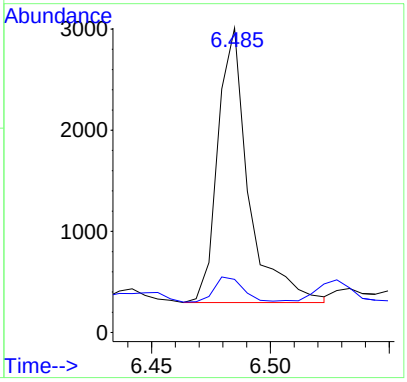


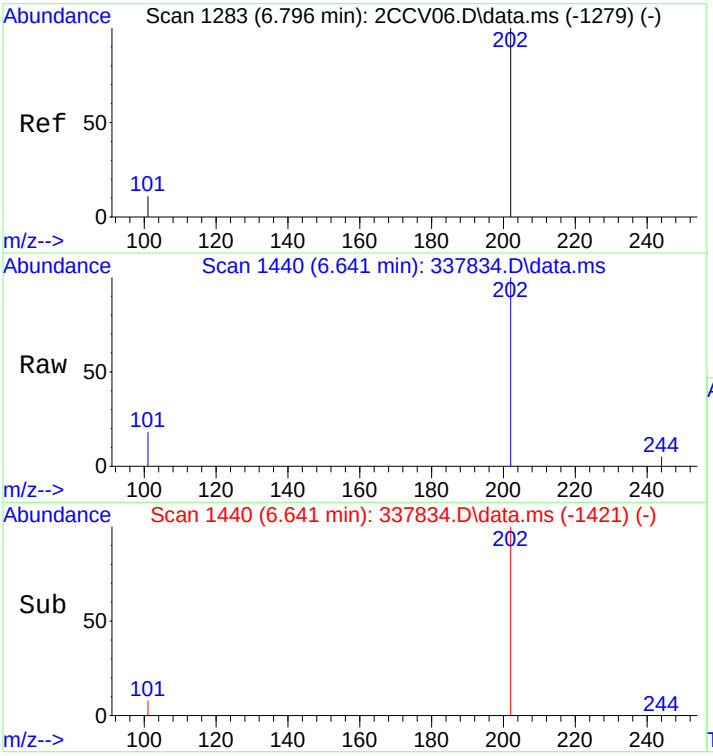


#15
Fluoranthene
Concen: 17.66 ng/mL
RT: 6.485 min Scan# 1411
Delta R.T. -0.000 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:202 Resp: 2450

Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	37.5

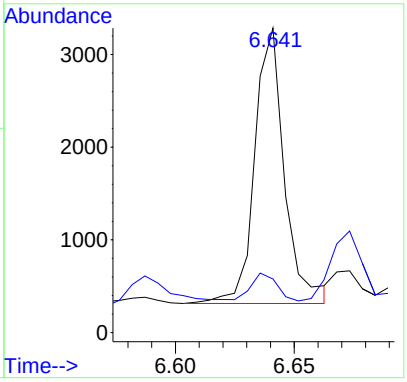


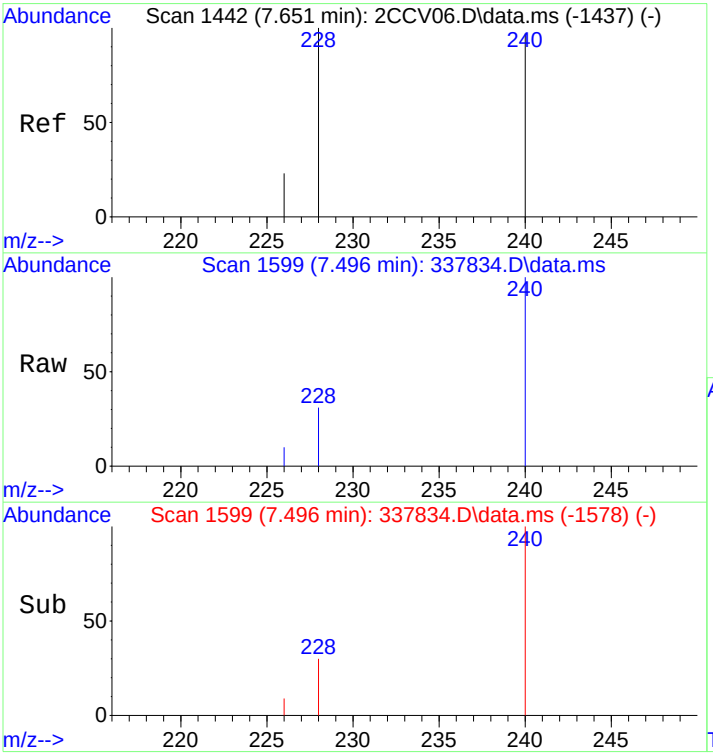


#17
Pyrene
Concen: 17.00 ng/mL
RT: 6.641 min Scan# 1440
Delta R.T. -0.000 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:202 Resp: 2589

Ion	Ratio	Lower	Upper
202	100		
101	6.0	0.0	38.8

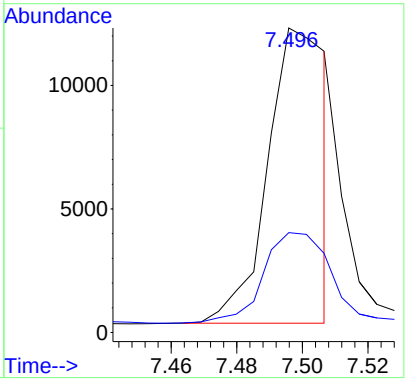


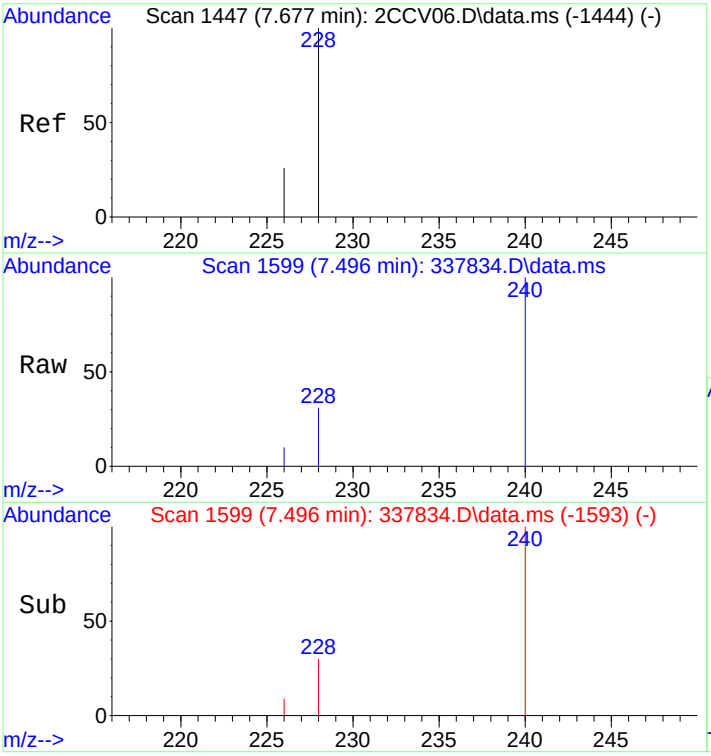


#19
B[a]anthracen
Concen: 157.97 ng/mL
RT: 7.496 min Scan# 1599
Delta R.T. 0.011 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:228 Resp: 14843

Ion	Ratio	Lower	Upper
228	100		
226	30.6	0.0	58.4

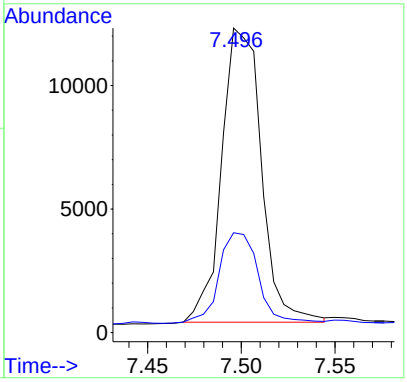


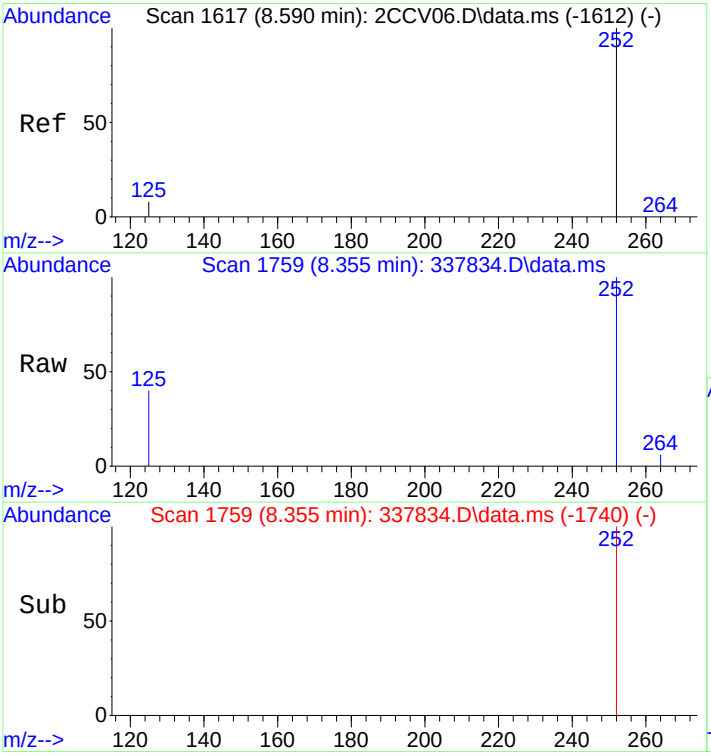


#20
Chrysene
Concen: 120.85 ng/mL
RT: 7.496 min Scan# 1599
Delta R.T. -0.011 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:228 Resp: 17533

Ion	Ratio	Lower	Upper
228	100		
226	30.4	0.0	57.2

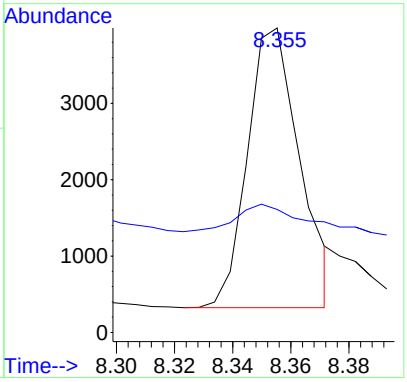


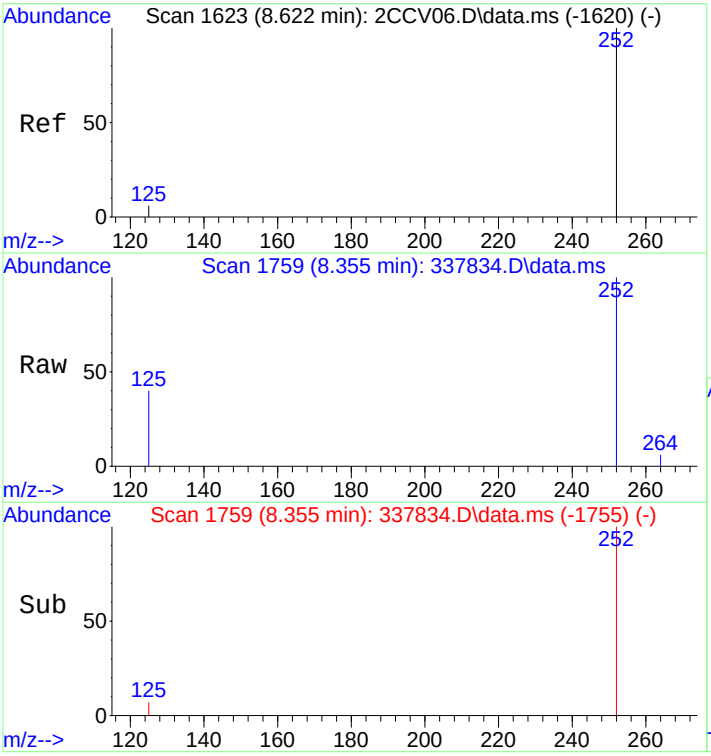


#22
B[b]fluoranth
Concen: 45.52 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. -0.000 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:252 Resp: 4573

Ion	Ratio	Lower	Upper
252	100		
125	7.9	0.0	37.8

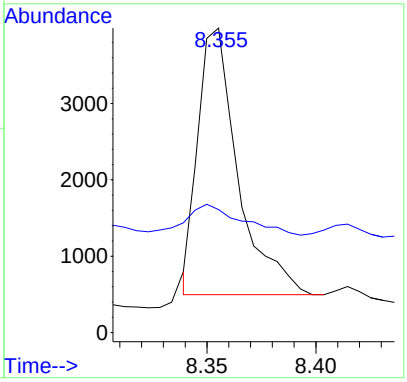


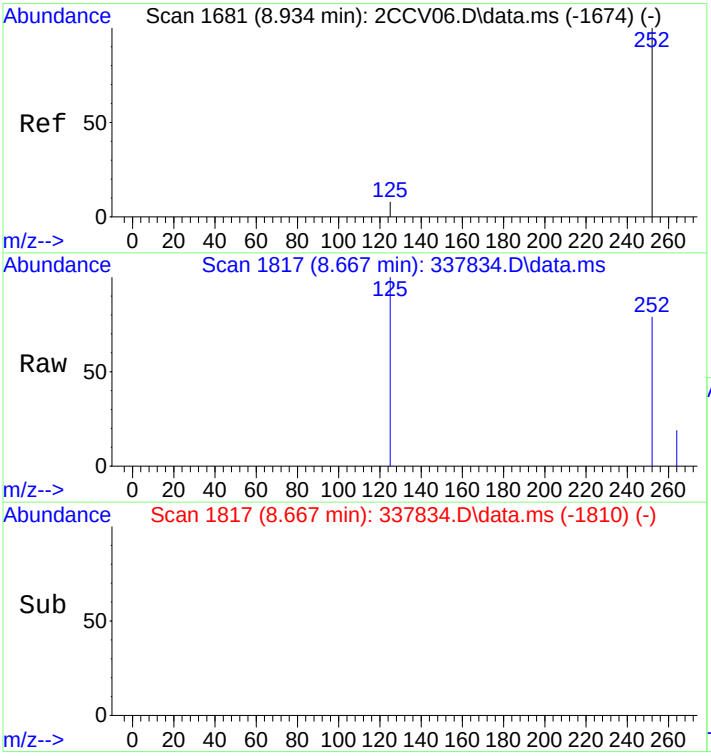


#23
B[k]fluoranth
Concen: 30.83 ng/mL
RT: 8.355 min Scan# 1759
Delta R.T. -0.027 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:252 Resp: 4466

Ion	Ratio	Lower	Upper
252	100		
125	7.7	0.0	37.7

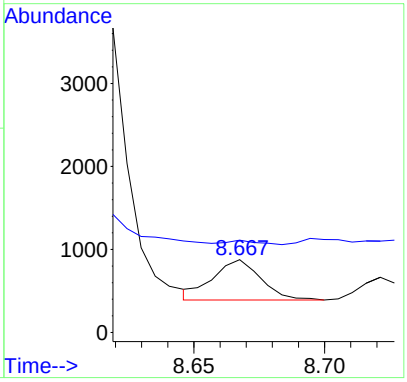


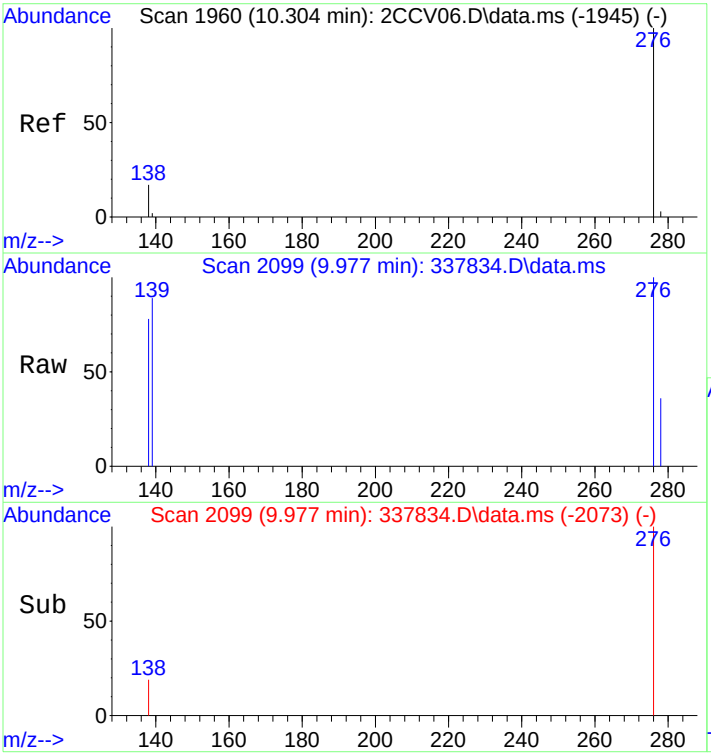


#24
Benz[a]pyrene
Concen: 5.71 ng/mL
RT: 8.667 min Scan# 1817
Delta R.T. -0.000 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:252 Resp: 616

Ion	Ratio	Lower	Upper
252	100		
125	2.3	0.0	39.1

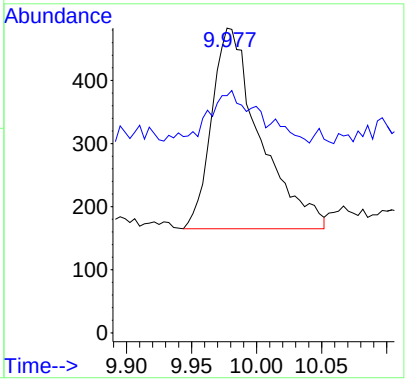


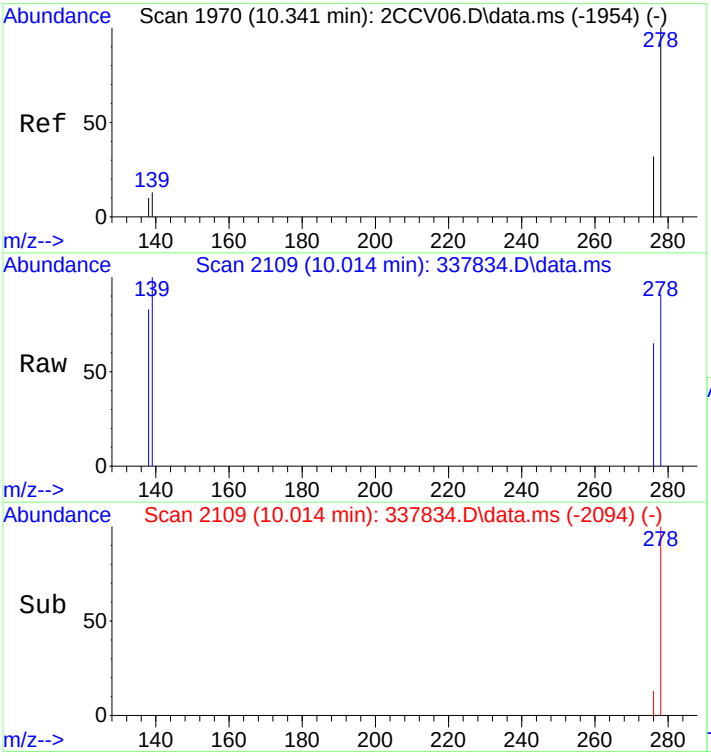


#25
Indeno-pyrene
Concen: 10.51 ng/mL
RT: 9.977 min Scan# 2099
Delta R.T. -0.004 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:276 Resp: 820

Ion	Ratio	Lower	Upper
276	100		
138	21.7	0.0	48.6

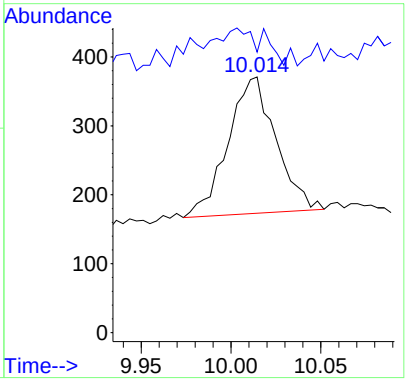


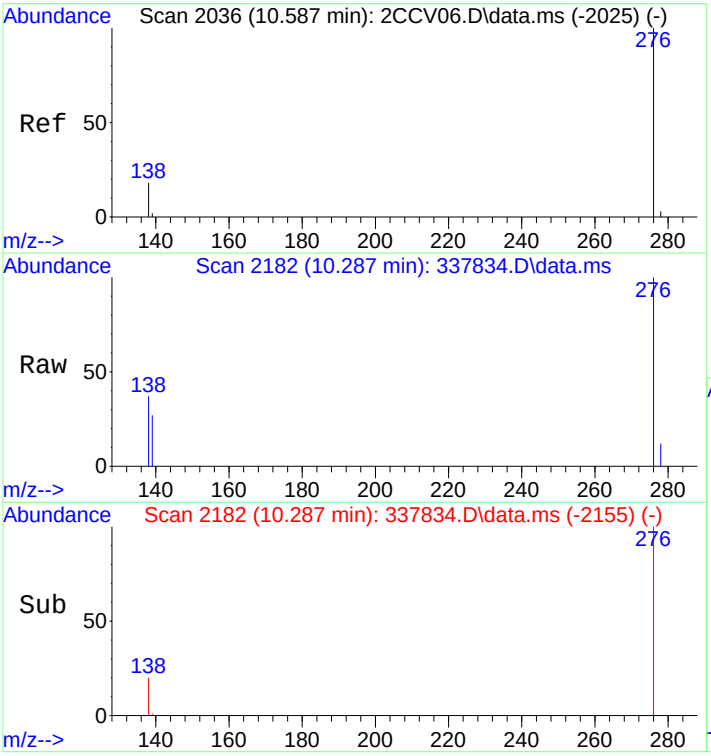


#26
Dib[ah]anthr
Concen: 6.60 ng/mL
RT: 10.014 min Scan# 2109
Delta R.T. -0.004 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:278 Resp: 369

Ion	Ratio	Lower	Upper
278	100		
139	6.4	0.0	45.4

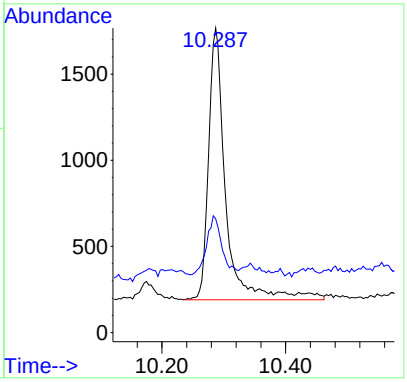




#27
B[ghi]perylen
Concen: 39.45 ng/mL
RT: 10.287 min Scan# 2182
Delta R.T. -0.000 min
Lab File: 337834.D
Acq: 22 Aug 13 6:26 pm

Tgt Ion:276 Resp: 3036

Ion	Ratio	Lower	Upper
276	100		
138	19.5	0.0	50.7



SEMI - VOLATILE ORGANIC ANALYSIS
INITIAL CALIBRATION
DOCUMENTS

Injection Log Summary Report

Method : X:\METHODS\1S080513.M (RTE Integrator)
Title : Method for 8270 analysis
Start (Tune) File ID : X:\DATA\1S080513\1DFTPP99.D
Injection Date : 5 Aug 2013 Log Time Period (hrs) : ALL
Injection Time : 11:30 Total files within period : 21
Sample Directory : X:\DATA\1S080513\

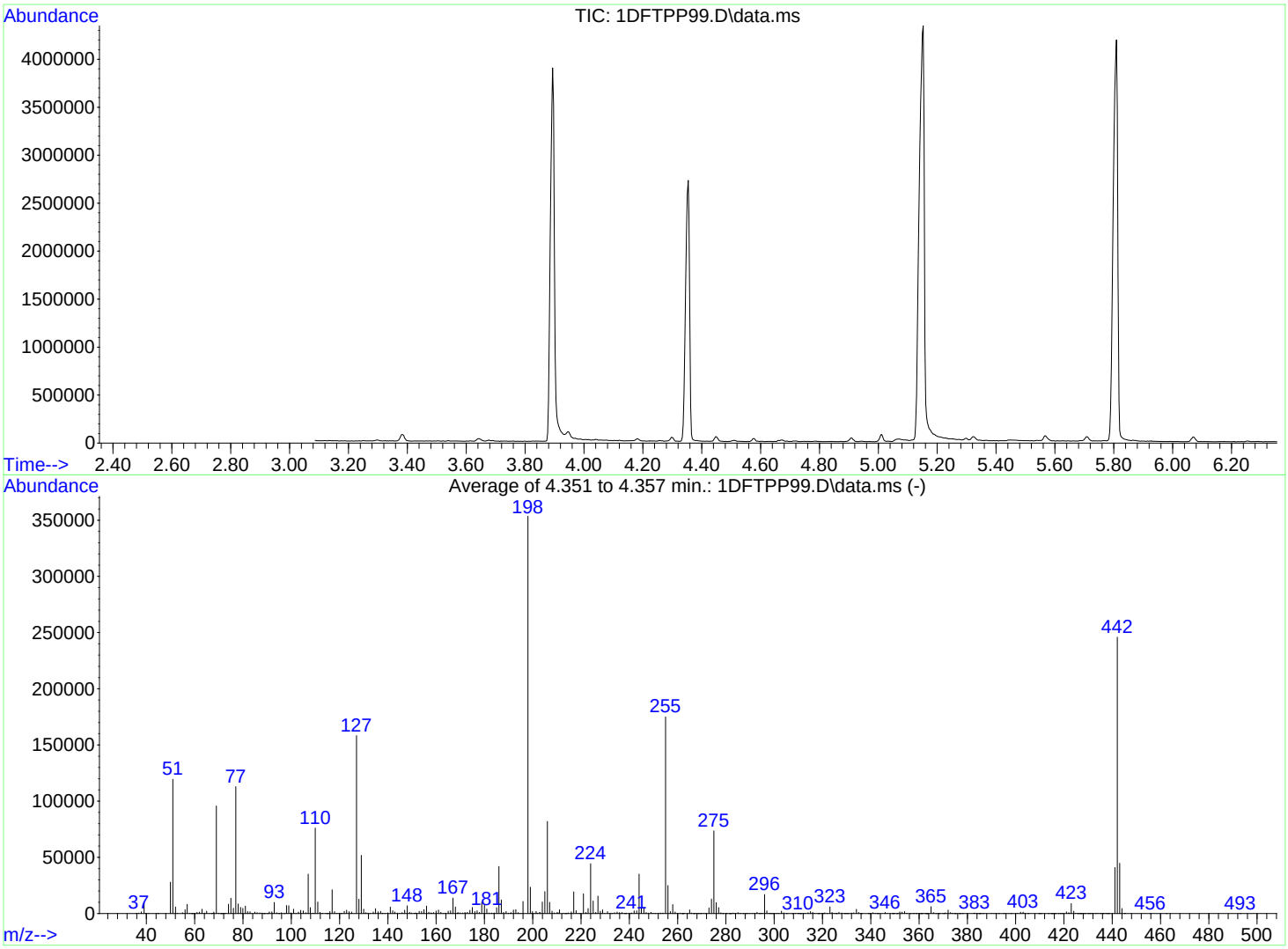
Injection Log Summary Table

File ID	Multiplier I	S	T	Sample Name / Misc Info	Date	Time
1IB03	1.00	1.00	1.00	InstrumentBlank 500uL+5ul IS S2810C	5 Aug 2013	14:45
1ICAL7	1.00	1.00	1.00	ICAL 50ug/ml SVMS5743 500uL+5ul IS S2805D	5 Aug 2013	15:03
1ICAL6	1.00	1.00	1.00	ICAL 40ug/ml SVMS5742 500uL+5ul IS S2805D	5 Aug 2013	15:21
1ICAL5	1.00	1.00	1.00	ICAL 30ug/ml SVMS5741 500uL+5ul IS S2805D	5 Aug 2013	15:39
1ICAL4	1.00	1.00	1.00	ICAL 20ug/ml SVMS5740 500uL+5ul IS S2805D	5 Aug 2013	15:57
1ICAL3	1.00	1.00	1.00	ICAL 10ug/ml SVMS5739 500uL+5ul IS S2805D	5 Aug 2013	16:15
1ICAL2	1.00	1.00	1.00	ICAL 5ug/ml SVMS5738 500uL+5ul IS S2805D	5 Aug 2013	16:33
1ICAL1	1.00	1.00	1.00	ICAL 1ug/ml SVMS5737 500uL+5ul IS S2805D	5 Aug 2013	16:52
1ICV1	1.00	1.00	1.00	ICV 20ug/ml SVMS5790 500uL+5ul IS S2805D	5 Aug 2013	17:10
1ICV2R	1.00	1.00	1.00	ICV 40ug/ml SVMS5790A 500uL+5ul IS S2805D	5 Aug 2013	17:47

Data File : C:\INSTARCH\Data\1S080513\1DFTPP99.D Vial: 1
Acq On : 5 Aug 2013 11:30 Operator: RPN
Sample : DFTPP TUNE SVMS5691 Inst : SVMS1
Misc : SVMS1,25 ug DFTPP Multiplr: 1.00
Integrator: RTE

RPN
08/05/13

Method : C:\INSTARCH\Methods\1DFTPP.M
Title : DFTPP TUNE Method
Last Update : Tue Jul 30 10:38:29 2013



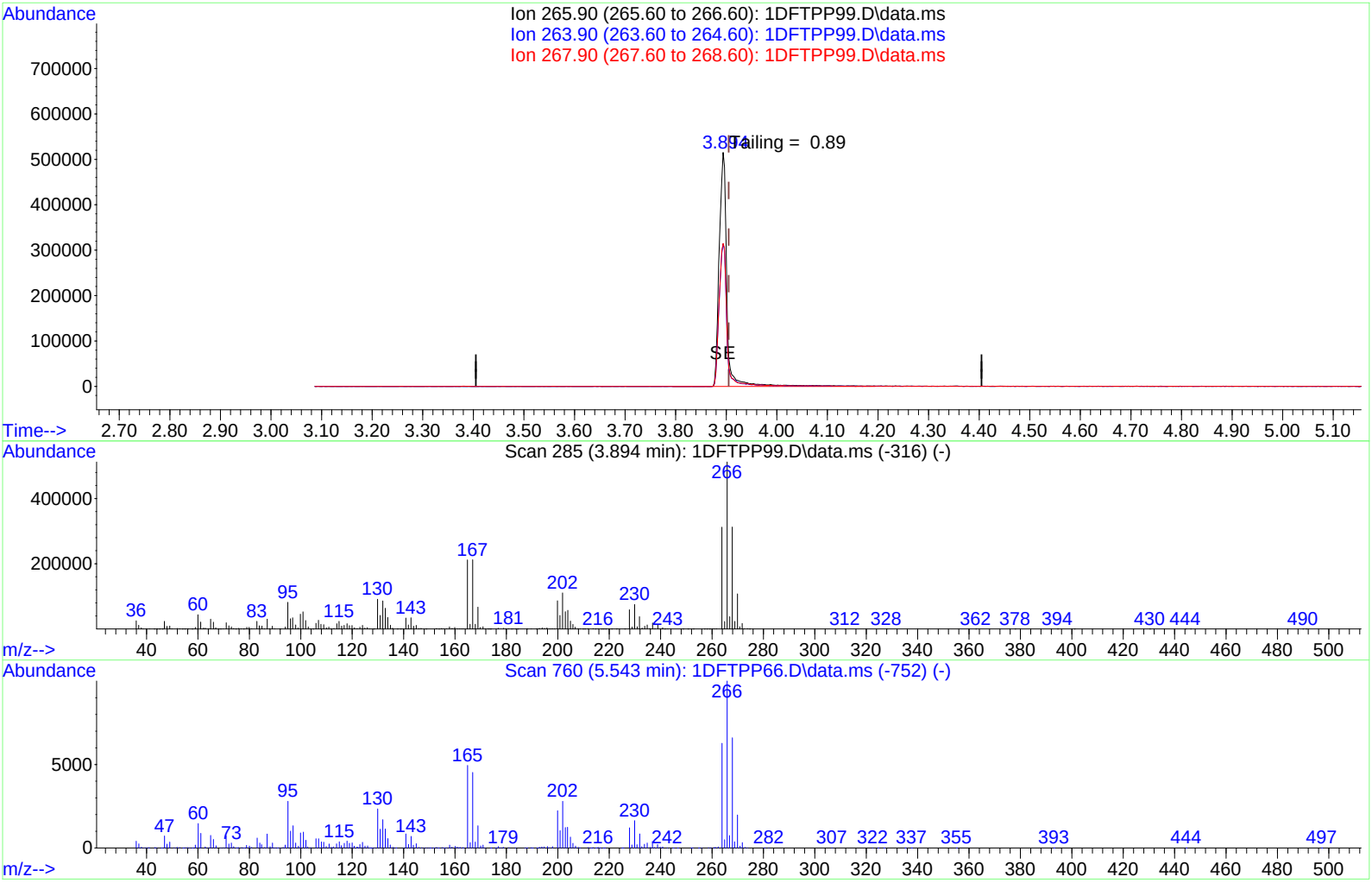
AutoFind: Scans 446, 447, 448; Background Corrected with Scan 435

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.8	119509	PASS
68	69	0.00	2	1.5	1391	PASS
70	69	0.00	2	0.4	419	PASS
127	198	10	80	44.8	158357	PASS
197	198	0.00	2	0.0	0	PASS
198	198	50	100	100.0	353578	PASS
199	198	5	9	6.6	23426	PASS
275	198	10	60	20.8	73578	PASS
365	198	1	100	1.8	6202	PASS
441	442	0.01	24	16.7	40976	PASS
442	198	50	100	69.5	245866	PASS
443	442	15	24	18.2	44794	PASS

Quantitation Report (Qedit)

Data File : C:\INSTARCH\Data\1S080513\1DFTPP99.D Vial: 1
Acq On : 5 Aug 2013 11:30 Operator: RPN
Sample : DFTPP TUNE SVMS5691 Inst : SVMS1
Misc : SVMS1,25 ug DFTPP Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 16:48:09 2013

Quant Method : C:\INSTARCH\Methods\1DFTPP.M
Quant Title : DFTPP TUNE Method
QLast Update : Tue Jul 30 10:38:29 2013
Response via : Initial Calibration
DataAcq Meth:1DFTPP.M



TIC: 1DFTPP99.D\data.ms

(1) Pentachlorophenol

3.894min (-0.011) 93.47 ng

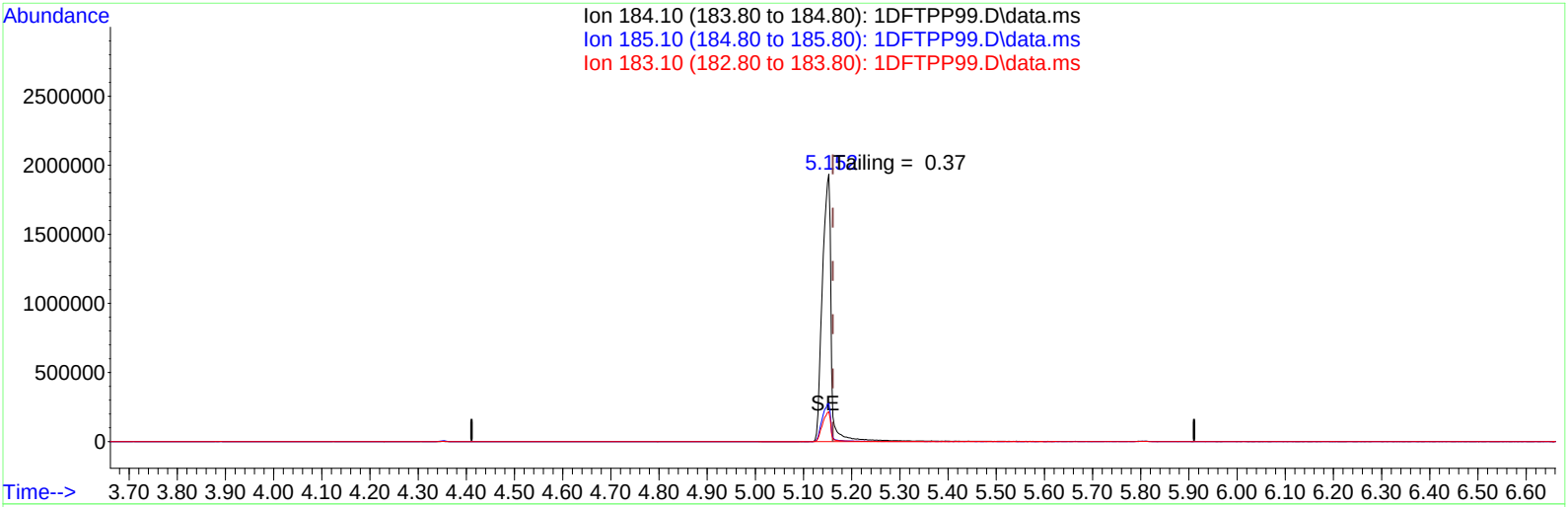
response 524937

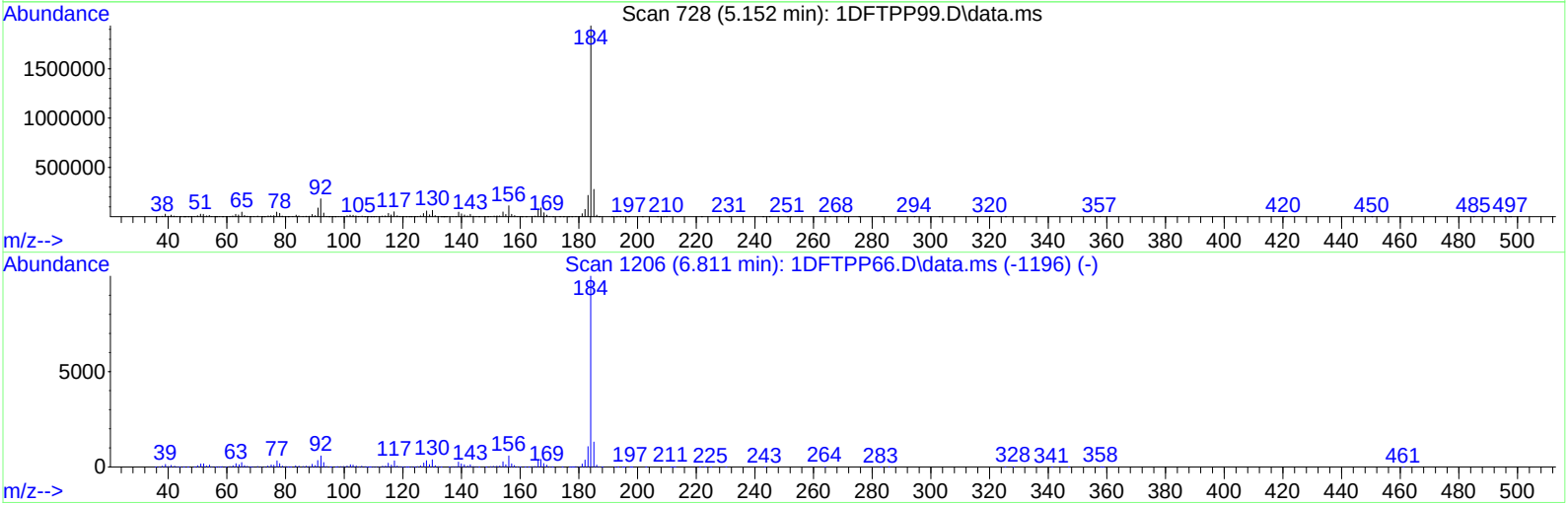
Ion	Exp%	Act%
265.90	100	100
263.90	66.20	60.99
267.90	60.90	61.07
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\INSTARCH\Data\1S080513\1DFTPP99.D Vial: 1
Acq On : 5 Aug 2013 11:30 Operator: RPN
Sample : DFTPP TUNE SVMS5691 Inst : SVMS1
Misc : SVMS1,25 ug DFTPP Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 16:48:09 2013

Quant Method : C:\INSTARCH\Methods\1DFTPP.M
Quant Title : DFTPP TUNE Method
QLast Update : Tue Jul 30 10:38:29 2013
Response via : Initial Calibration
DataAcq Meth:1DFTPP.M





TIC: 1DFTPP99.D\data.ms

(3) Benzidine

5.152min (-0.009) 48.43 ng

response 2428401

Ion	Exp%	Act%
184.10	100	100
185.10	13.80	14.23
183.10	12.20	10.80
0.00	0.00	0.00

Data File	: 1DFTPP99.D	Vial Number	: 1
Data File Path	: C:\INSTARCH\Data\1S080513\	Operator	: RPN
Date Acquired	: 8/5/2013 11:30	Instrument Name:	SVMS1
Sample Name	: DFTPP TUNE SVMS5691	Sample Multiplier:	1
Misc Info	: SVMS1,25 ug DFTPP		

Quant Method	: C:\INSTARCH\Methods\1DFTPP.M
Calibration Title	: DFTPP TUNE Method
Last Update	: Tue Aug 06 16:50:00 2013

Compound	R.T.	QIon	Response
1) Pentachlorophenol	3.89	266	524937
2) DFTPP	4.35	198	364428
3) Benzidine	5.15	184	2428401
4) DDE	5.30	246	1720
5) DDD	5.57	235	13433
6) DDT	5.81	235	974665

DDT %Degradation

$$\frac{DDD + DDE}{DDD + DDE + DDT} \times 100\% = 1.53\ \%$$

Method Path : C:\INSTARCH\Methods\
Method File : 1S080513.M
Title : Method for 8270 analysis
Last Update : Tue Aug 06 15:21:29 2013
Response Via : Initial Calibration

Calibration Files
1 =1ICAL1.D 5 =1ICAL2.D 10 =1ICAL3.D 20 =1ICAL4.D 30 =1ICAL5.D 40 =1ICAL6.D 50 =1ICAL7.D

	Compound	1	5	10	20	30	40	50	Avg	%RSD
	14Diclbenzd4	ISTD								
1) I	Ntrsdimeth	0.633	0.664	0.679	0.786	0.787	0.779	0.770	0.728	9.19
2) CT	Pyridine	1.243	1.238	1.248	1.419	1.462	1.500	1.454	1.366	8.62
3) CT	SURR2Flphenol	0.374	0.524	0.540	0.612	0.597	0.585	0.583	0.545	14.96
4) S	Aniline	1.748	1.762	1.789	1.895	1.864	1.765	1.703	1.789	3.76
5) CT		1.346	1.239	1.224	1.250	1.182	1.139	1.092	1.210	6.83
6) CPT	bis2Clethletr	0.588	0.599	0.577	0.616	0.583	0.564	0.544	0.582	3.98
7) S	SURRPhenol-d5	1.843	1.796	1.675	1.793	1.685	1.625	1.532	1.707	6.45
8) CPT	Phenol	1.579	1.523	1.431	1.512	1.432	1.395	1.311	1.455	6.19
9) CPT	2-Clphenol	1.965	1.786	1.622	1.727	1.673	1.572	1.524	1.696	8.75
10) CT	13Diclbenz	1.839	1.698	1.532	1.671	1.562	1.486	1.442	1.604	8.64
11) CT	14Diclbenz	1.713	1.679	1.529	1.645	1.583	1.505	1.465	1.588	5.89
12) CT	12Diclbenz	0.502	0.631	0.671	0.782	0.791	0.759	0.771	0.701	15.24
13) CT	Benzyl alcoho	2.339	2.093	1.951	2.057	2.019	1.905	1.890	2.036	7.54
14) CPT	bis2clispreth	1.110	0.994	0.930	0.971	0.991	0.904	0.872	0.968	8.04
15) CPT	2Methylphenol	0.473	0.532	0.507	0.577	0.553	0.507	0.497	0.521	6.83
16) CT	Ntrspyrrol	1.372	1.672	1.525	1.677	1.615	1.521	1.507	1.556	6.94
17) CPT	Acetophenone	0.704	0.669	0.605	0.620	0.570	0.544	0.520	0.605	10.94
18) CPT	Hexaclethane	0.758	0.705	0.687	0.737	0.719	0.678	0.657	0.706	4.97
19) CPT	N-Ntrsdinprop	1.166	1.253	1.177	1.213	1.156	1.109	1.099	1.167	4.64
20) CPT	3&4Methylphenol									
	Naphthalened8	ISTD								
21) I	SURRNitrbenzened5	0.053	0.061	0.058	0.062	0.059	0.057	0.056	0.058	4.90
22) S	Nitrobenzene	0.288	0.296	0.284	0.296	0.275	0.271	0.265	0.282	4.29
23) CPT	Isophorone	0.544	0.543	0.507	0.556	0.549	0.540	0.539	0.540	2.90
24) CPT	2-Nitrophenol	0.177	0.206	0.193	0.216	0.204	0.203	0.195	0.199	6.20
25) CPT	24Dimthpheno	0.278	0.271	0.260	0.294	0.291	0.288	0.271	0.279	4.51
26) CPT	bis2clethoxym	0.364	0.391	0.366	0.412	0.381	0.377	0.369	0.380	4.48
27) CPT	24Diclphenol	0.309	0.324	0.312	0.339	0.315	0.312	0.299	0.316	3.96
28) CT	124Triclbenz	0.402	0.380	0.347	0.374	0.336	0.325	0.318	0.355	8.81
29) CT	Benzoic acid		0.107	0.140	0.178	0.174	0.171	0.168	0.156	17.74
30) CPT	Naphthalene	1.082	1.035	0.927	1.011	0.922	0.895	0.865	0.962	8.37
31) CPT	4-Cl-aniline	0.405	0.424	0.414	0.431	0.398	0.395	0.377	0.406	4.51
32) CT	26Diclphenol	0.270	0.276	0.260	0.274	0.247	0.246	0.233	0.258	6.36
33) CT	Hexaclprop	0.212	0.226	0.208	0.223	0.212	0.212	0.201	0.213	3.96
34) CPT	Hexaclbutdien	0.209	0.200	0.189	0.194	0.181	0.179	0.170	0.189	7.13
35) CPT	4Cl3methylphe	0.311	0.347	0.335	0.382	0.366	0.361	0.357	0.351	6.58
36) CPT	2Methylnaphth	1.044	1.077	0.953	1.039	0.949	0.901	0.869	0.976	8.04
37) CT	1Methylnaphth	0.998	0.958	0.829	0.905	0.813	0.777	0.775	0.865	10.32
	Acenaphthened10	ISTD								
39) I	Hxclcycpentdi	0.200	0.287	0.303	0.341	0.325	0.306	0.284	0.292	15.51
40) CPT	1245Tetrclbenz	0.733	0.702	0.625	0.633	0.575	0.536	0.501	0.615	13.73
41) CT	246Triclpheno	0.381	0.402	0.386	0.422	0.403	0.388	0.372	0.393	4.28

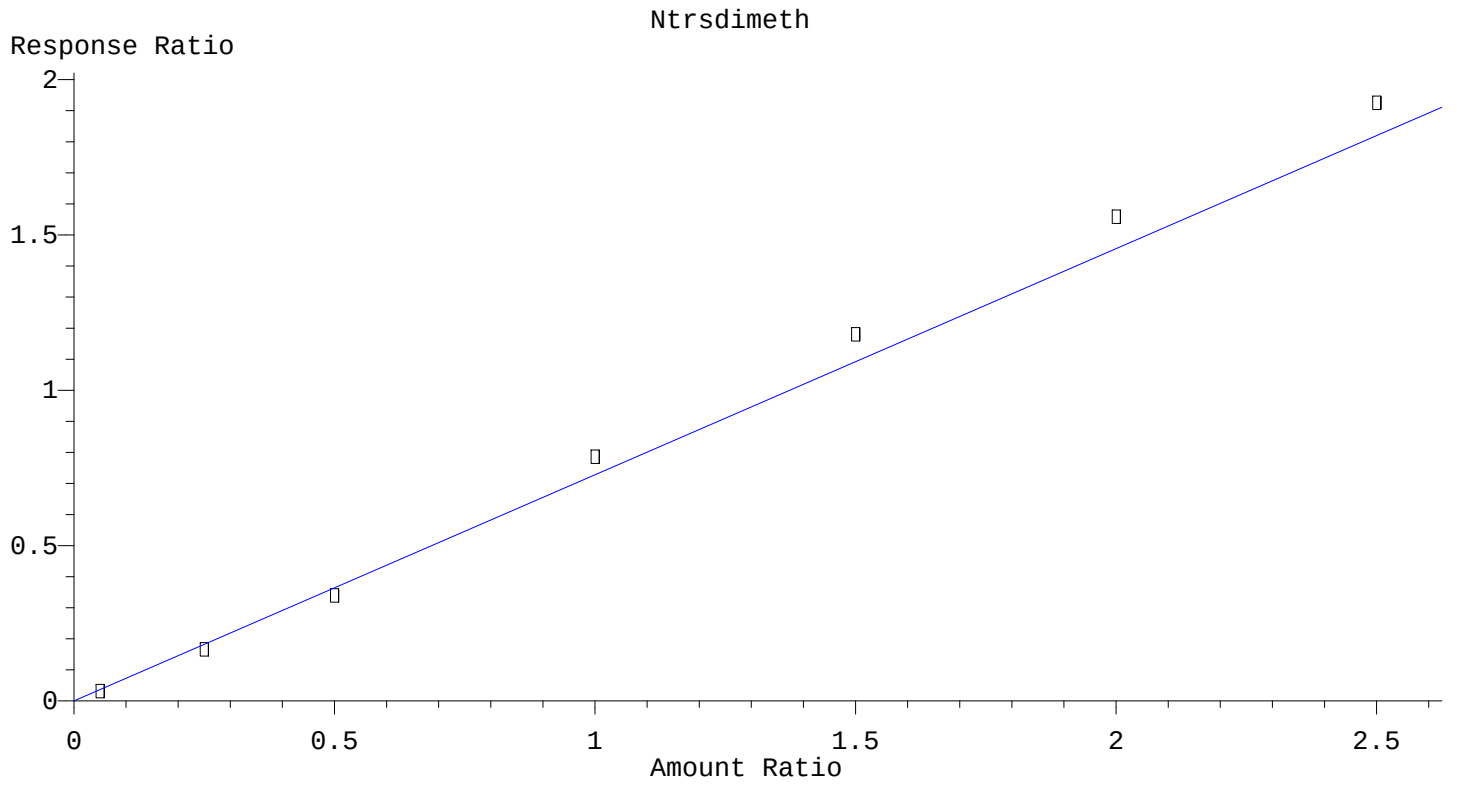
Response Report SVMSa

43)	CPT	245Triclpheno	0.394	0.428	0.436	0.478	0.447	0.430	0.399	0.430	6.60
44)	S	SURR2Flbiphenyl	0.315	0.289	0.264	0.276	0.245	0.229	0.222	0.263	12.75
45)	CPT	2Clnaphthalen	1.392	1.263	1.213	1.262	1.114	1.067	0.995	1.187	11.45
46)	CPT	2Nitroaniline	0.173	0.241	0.241	0.260	0.258	0.241	0.224	0.234	12.60
47)	CPT	Acnaphthylene	2.360	2.054	1.791	1.735	1.462	1.387	1.295	1.726	22.24#
48)	CPT	Dimethylphtha	1.556	1.430	1.253	1.188	0.962	0.899	0.856	1.163	23.26#
49)	CPT	26Dinitrotolu	0.331	0.314	0.286	0.311	0.276	0.265	0.261	0.292	9.20
50)	CPT	Acenaphthene	1.269	1.070	0.986	0.997	0.845	0.794	0.734	0.956	19.17
51)	CPT	3Nitroaniline	0.276	0.325	0.294	0.302	0.247	0.236	0.220	0.271	14.16
52)	CPT	24Dinitphenol		0.114	0.141	0.185	0.191	0.189	0.175	0.166	18.96
53)	CPT	Dibenzofuran	1.871	1.682	1.574	1.566	1.398	1.347	1.259	1.528	13.79
54)	CPT	24Dinitrotolu	0.359	0.388	0.381	0.406	0.370	0.337	0.323	0.366	7.91
55)	CPT	4-Nitrophenol		0.184	0.193	0.233	0.227	0.209	0.203	0.208	9.07
56)	CT	2,3,5,6-Tetrac...	0.230	0.300	0.294	0.324	0.301	0.286	0.273	0.287	10.27
57)	CPT	2,3,4,6-Tetrac...	0.354	0.375	0.358	0.375	0.327	0.311	0.293	0.342	9.32
58)	CPT	Fluorene	1.526	1.334	1.188	1.144	0.958	0.870	0.810	1.118	23.11#
59)	CPT	4Clphlphlethr	0.738	0.652	0.596	0.586	0.514	0.456	0.431	0.568	19.23
60)	CPT	Diethylphthal	1.540	1.323	1.232	1.168	0.950	0.879	0.818	1.130	23.13#
61)	CPT	4Nitroaniline	0.186	0.295	0.245	0.297	0.301	0.284	0.276	0.269	15.31
62)	S	SURR246Trlbrphenl	0.071	0.072	0.070	0.071	0.064	0.060	0.056	0.066	9.52
63)	I	Phenanthrd10	----------ISTD----------								
64)	CPT	46Dinit2mylph		0.125	0.135	0.148	0.147	0.136	0.132	0.137	6.59
65)	CPT	Ntrsdiphlam&Di...	0.606	0.496	0.449	0.429	0.349	0.318	0.293	0.420	26.26#
66)	CT	Azobenz&12Diph...	0.214	0.171	0.157	0.146	0.129	0.119	0.108	0.149	24.11#
67)	CPT	4Brphlphlethr	0.274	0.249	0.227	0.229	0.209	0.194	0.183	0.223	14.09
68)	CPT	Hexaclbenzene	0.293	0.273	0.249	0.243	0.213	0.193	0.182	0.235	17.41
69)	CPT	Pentaclphenol		0.116	0.136	0.161	0.164	0.156	0.155	0.148	12.48
70)	CPT	Phenanthrene	1.369	1.121	1.062	1.017	0.928	0.862	0.815	1.025	18.21
71)	CPT	Anthracene	1.399	1.211	1.104	1.054	0.955	0.897	0.832	1.064	18.35
72)	CPT	Carbazole	1.312	1.043	0.985	0.972	0.953	0.894	0.879	1.005	14.54
73)	CPT	Dinbtylphthal	1.579	1.515	1.434	1.442	1.291	1.164	1.140	1.367	12.51
74)	CPT	Fluoranthene	1.471	1.346	1.228	1.233	1.124	1.046	0.983	1.205	14.08
75)	I	Chrysene-d12	----------ISTD----------								
76)	CT	Benzidine	0.777	0.723	0.678	0.602	0.913	0.794	0.671	0.737	13.82
77)	CPT	Pyrene	2.958	2.636	2.529	2.643	2.404	2.284	2.168	2.517	10.43
78)	S	SURRTerphenyl-d14	0.217	0.210	0.198	0.211	0.192	0.185	0.185	0.199	6.58
79)	CPT	Btylbzylphth	0.672	0.701	0.693	0.758	0.726	0.675	0.710	0.705	4.30
80)	TM	bis2Ethlhxlad	0.596	0.589	0.567	0.623	0.575	0.542	0.525	0.574	5.80
81)	CPT	33Diclbnzidin	0.348	0.313	0.272	0.305	0.290	0.297	0.305	0.304	7.67
82)	CPT	B[a]anthracen	1.203	1.105	1.034	1.192	1.139	1.124	1.153	1.136	5.02
83)	CPT	Chrysene	1.151	1.053	1.068	1.105	1.025	0.993	0.982	1.054	5.75
84)	CPT	bis2Ethlhxlph	0.883	0.951	0.923	1.024	0.956	0.938	0.903	0.940	4.81
85)	CPT	Dinoctylphthl	1.480	1.657	1.700	1.970	1.827	1.803	1.785	1.746	8.82
86)	I	Perylene-d12	----------ISTD----------								
87)	CPT	B[b]fluoranth	1.251	1.313	1.030	1.174	1.124	1.000	1.073	1.138	10.13
88)	CPT	B[k]fluoranth	1.299	1.110	1.003	1.129	0.869	0.864	1.072	1.050	14.64
89)	CPT	Benz[a]pyrene	1.329	1.185	1.106	1.154	1.057	0.983	0.972	1.112	11.23
90)	CPT	Indeno-pyrene	1.303	1.308	1.201	1.310	1.193	1.135	1.114	1.223	6.85
91)	CPT	Dib[ah]anthr	0.869	1.005	0.973	1.009	0.886	0.832	0.791	0.909	9.55
92)	CPT	B[ghi]perylen	1.256	1.149	1.089	1.160	1.042	0.982	0.972	1.093	9.43

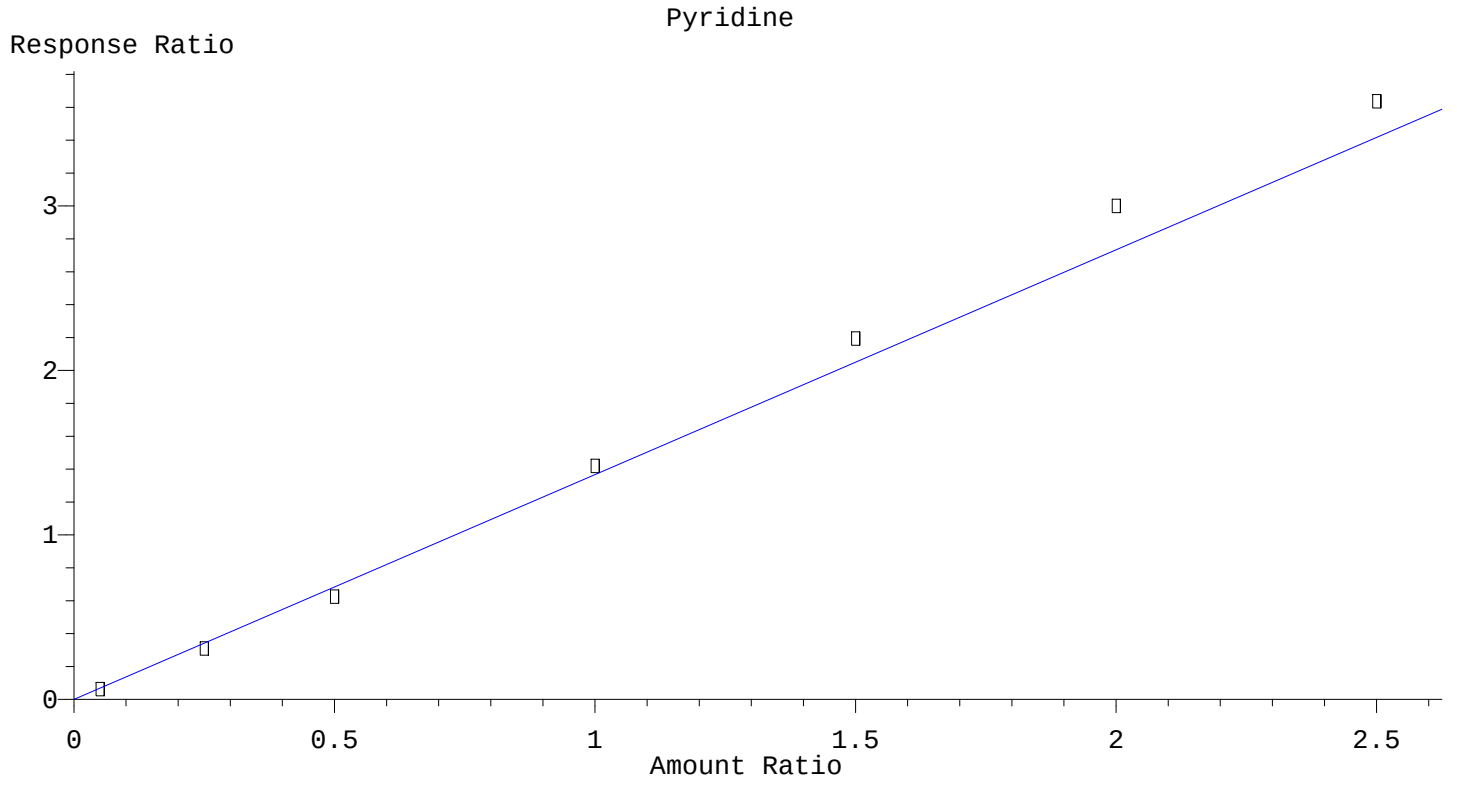
Response Factor Report SVMS4

Method Path : C:\INSTARCH\Methods\
Method File : 1S080513.M
(#) = Out of Range

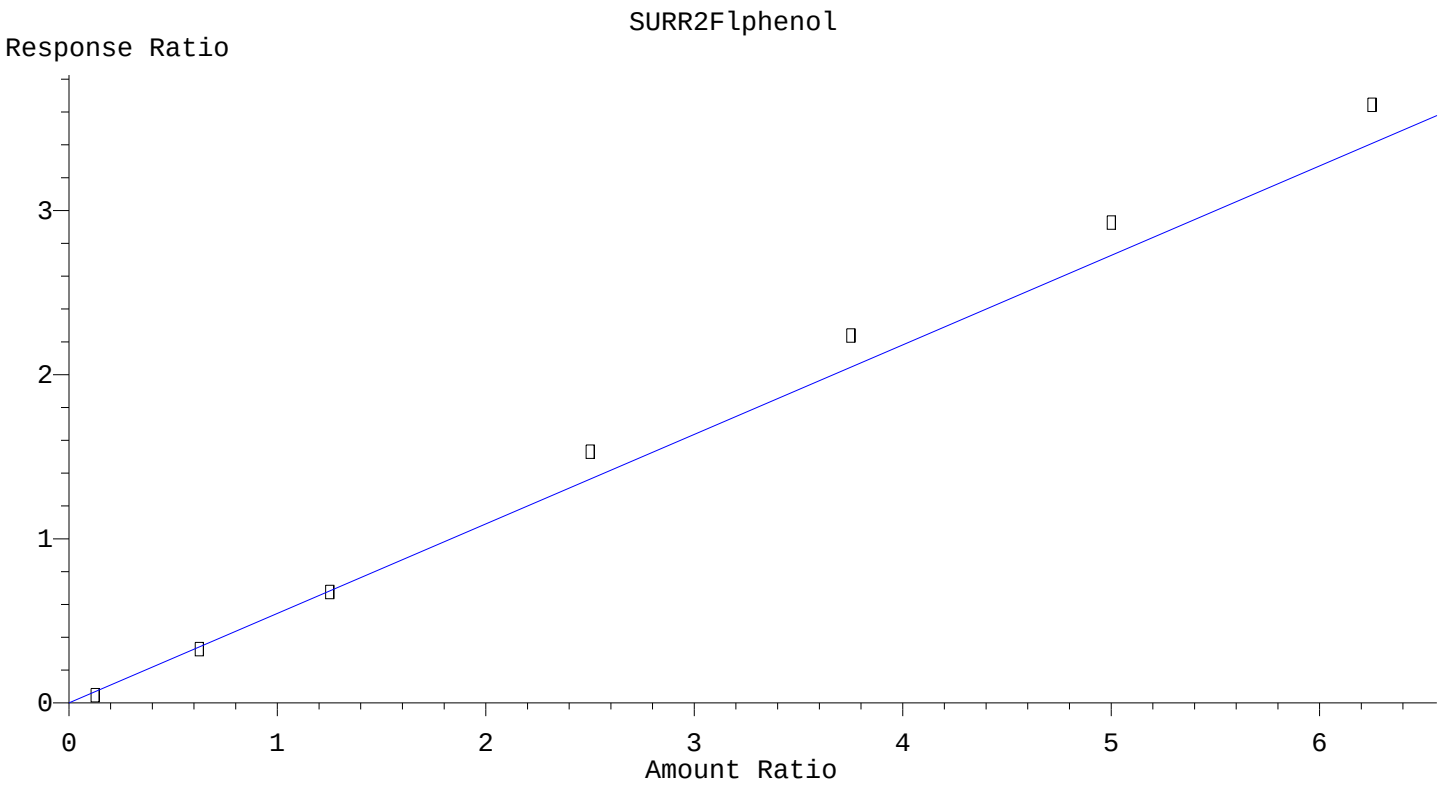
Response Factor Report SVMS1



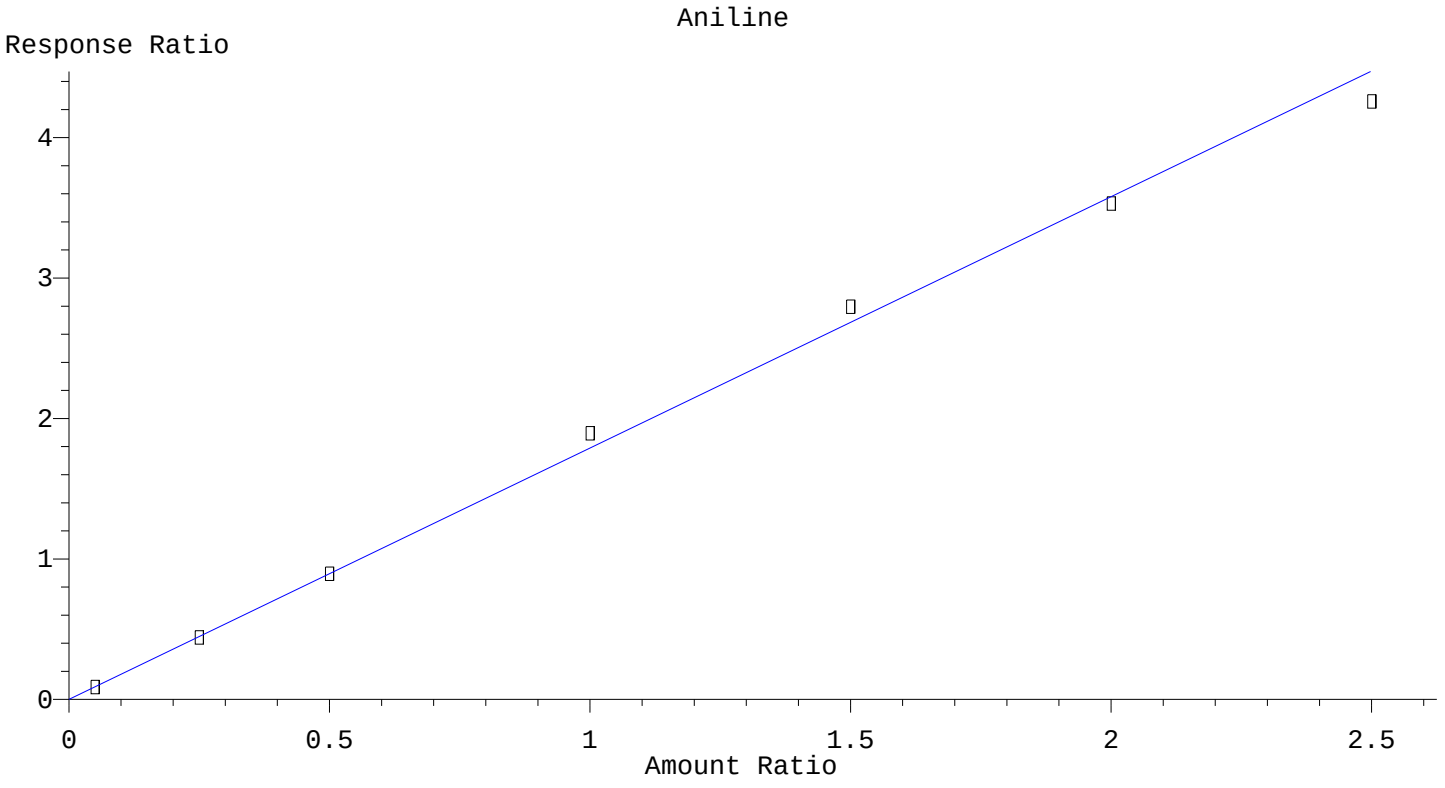
Resp Ratio = 7.28e-001 * Amt
RF Rel Std Dev = 9.2% Curve Fit: Avg RF



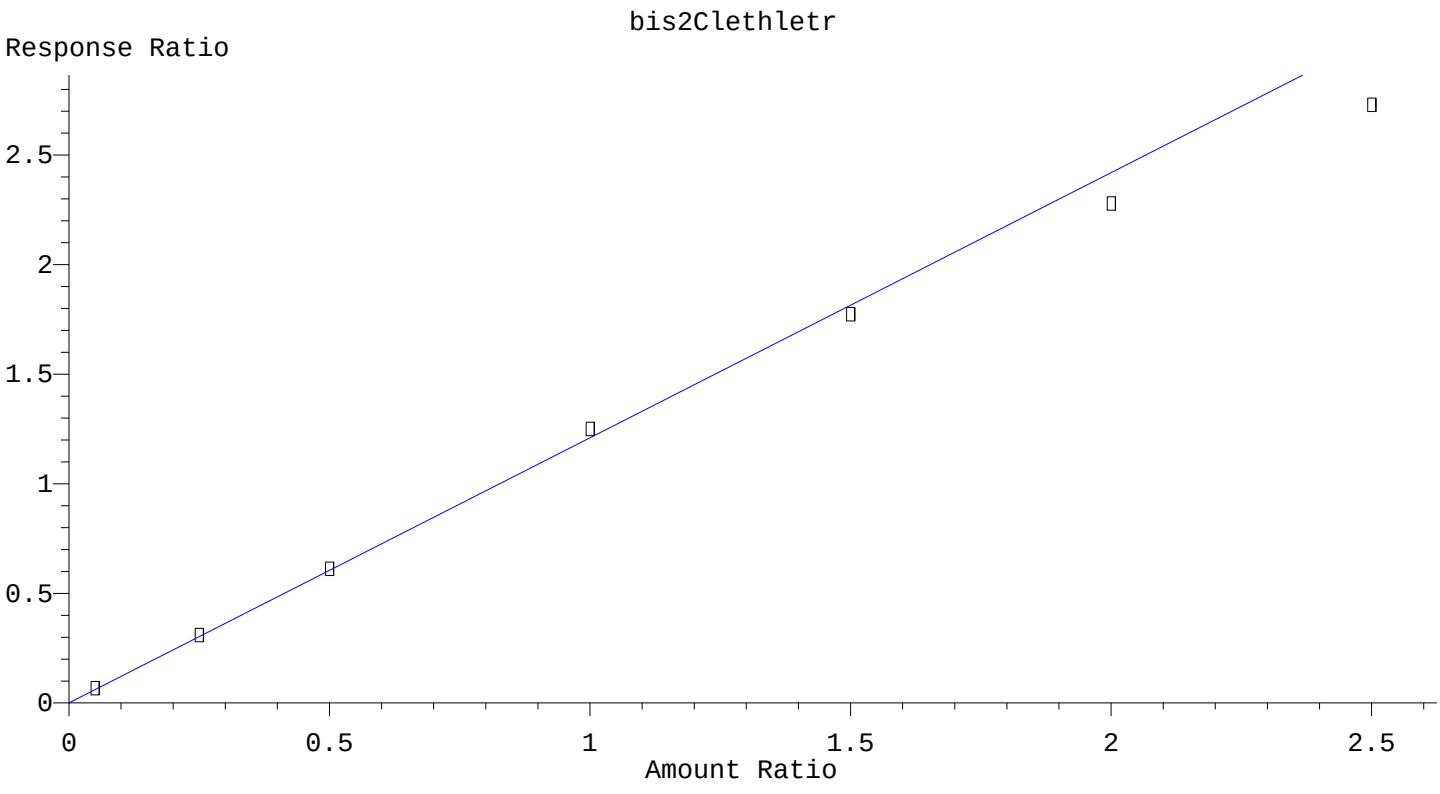
Resp Ratio = 1.37e+000 * Amt
RF Rel Std Dev = 8.6% Curve Fit: Avg RF



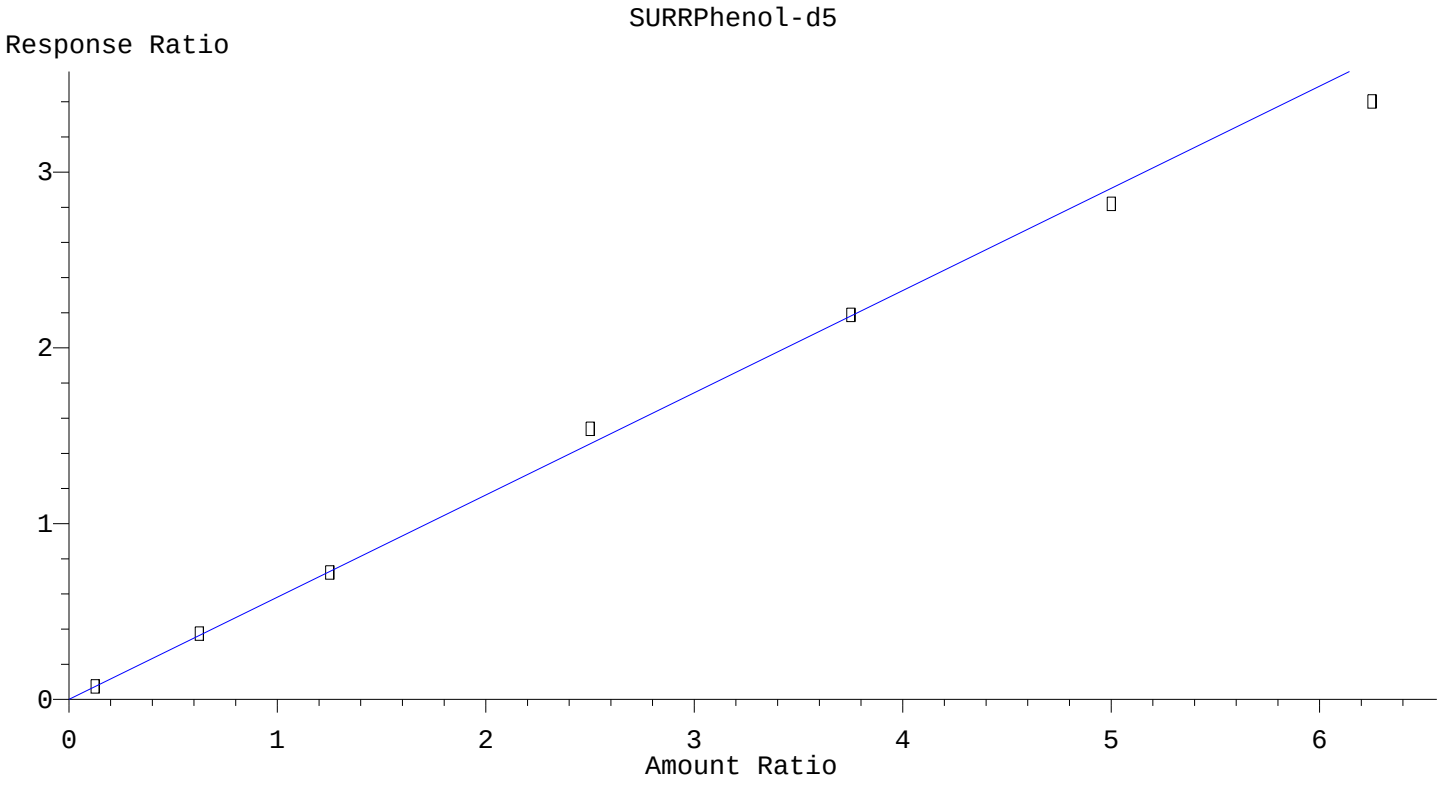
Resp Ratio = 5.45e-001 * Amt
RF Rel Std Dev = 15.0% Curve Fit: Avg RF



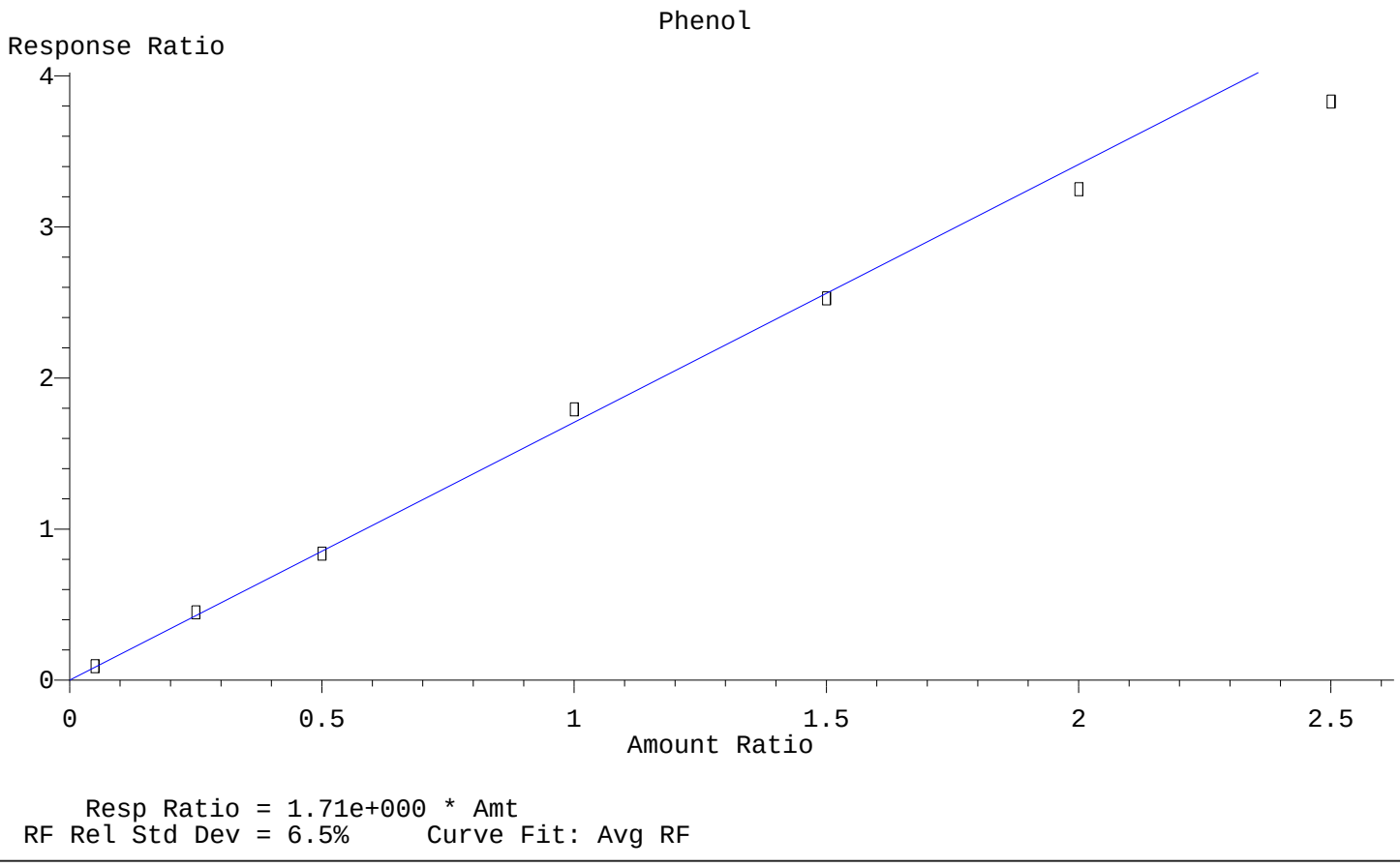
Resp Ratio = 1.79e+000 * Amt
RF Rel Std Dev = 3.8% Curve Fit: Avg RF



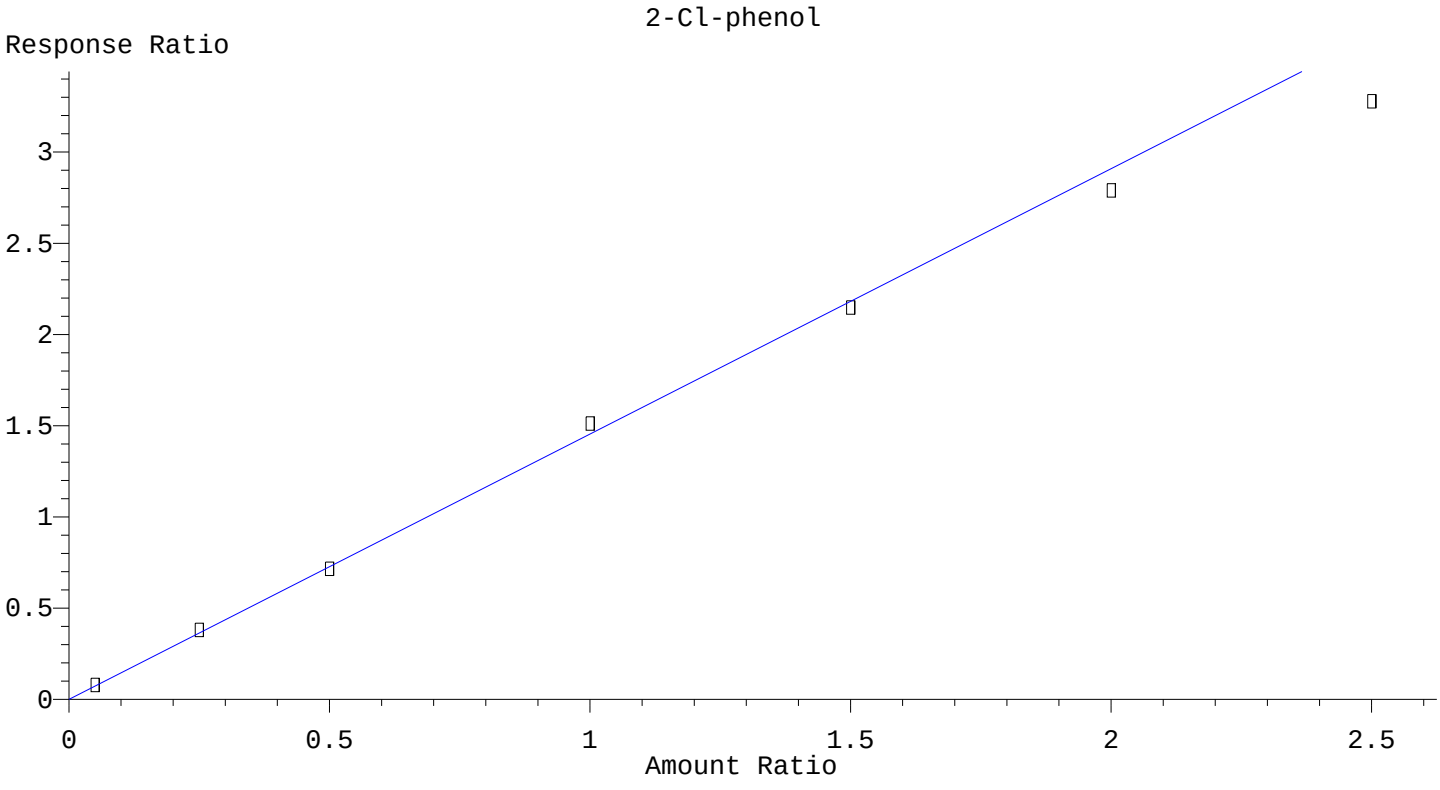
Resp Ratio = 1.21e+000 * Amt
RF Rel Std Dev = 6.8% Curve Fit: Avg RF



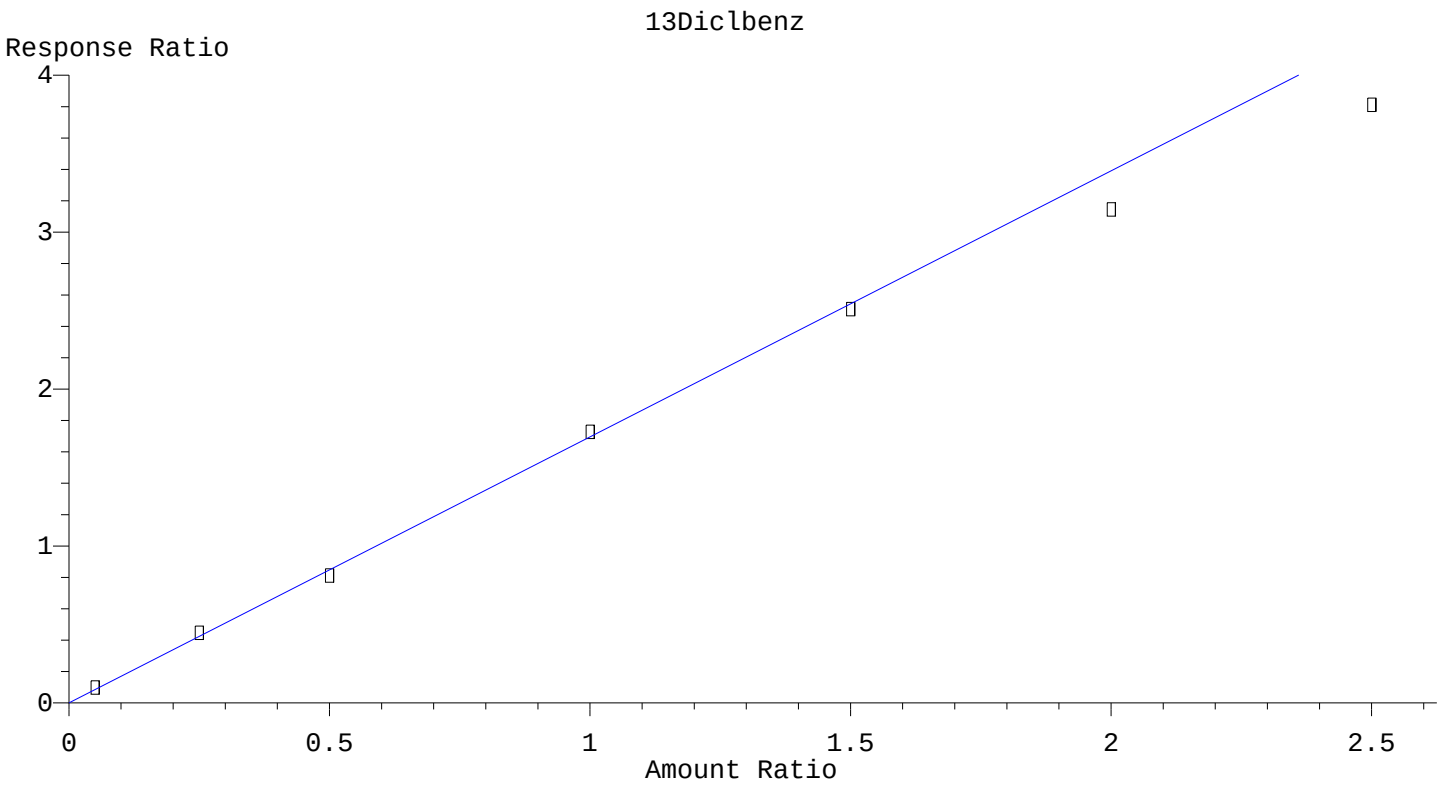
Resp Ratio = 5.82e-001 * Amt
RF Rel Std Dev = 4.0% Curve Fit: Avg RF



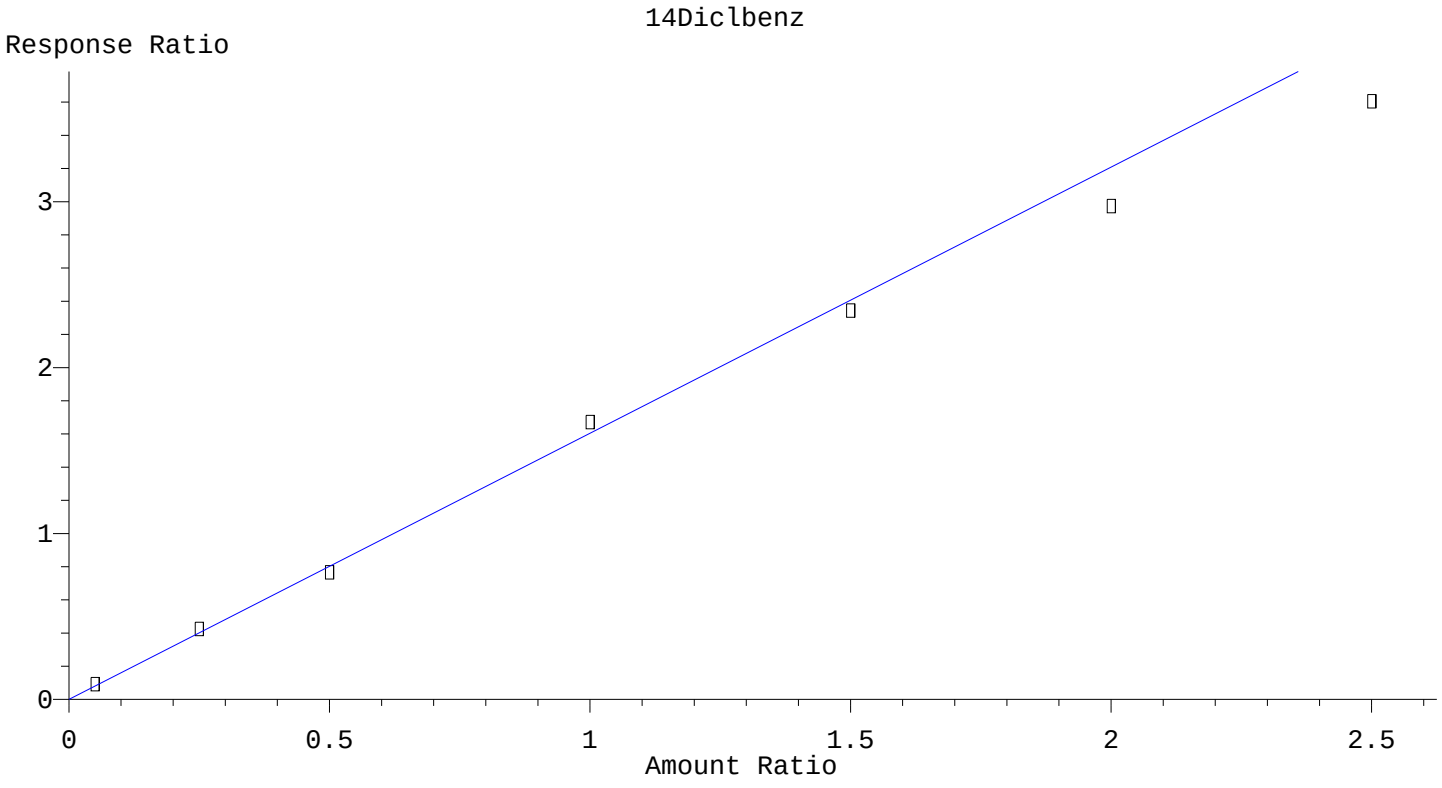
Resp Ratio = 1.71e+000 * Amt
RF Rel Std Dev = 6.5% Curve Fit: Avg RF



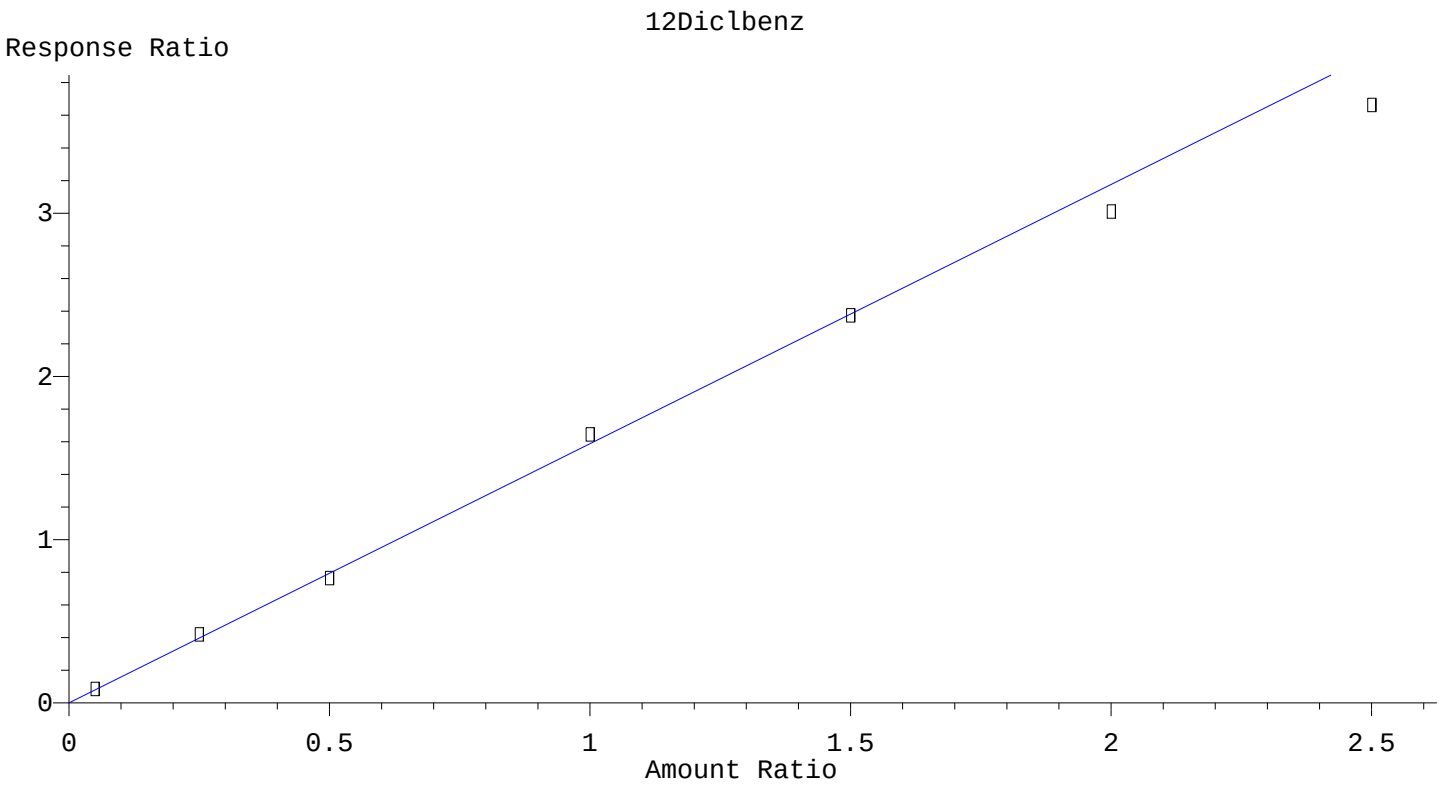
Resp Ratio = 1.45e+000 * Amt
RF Rel Std Dev = 6.2% Curve Fit: Avg RF



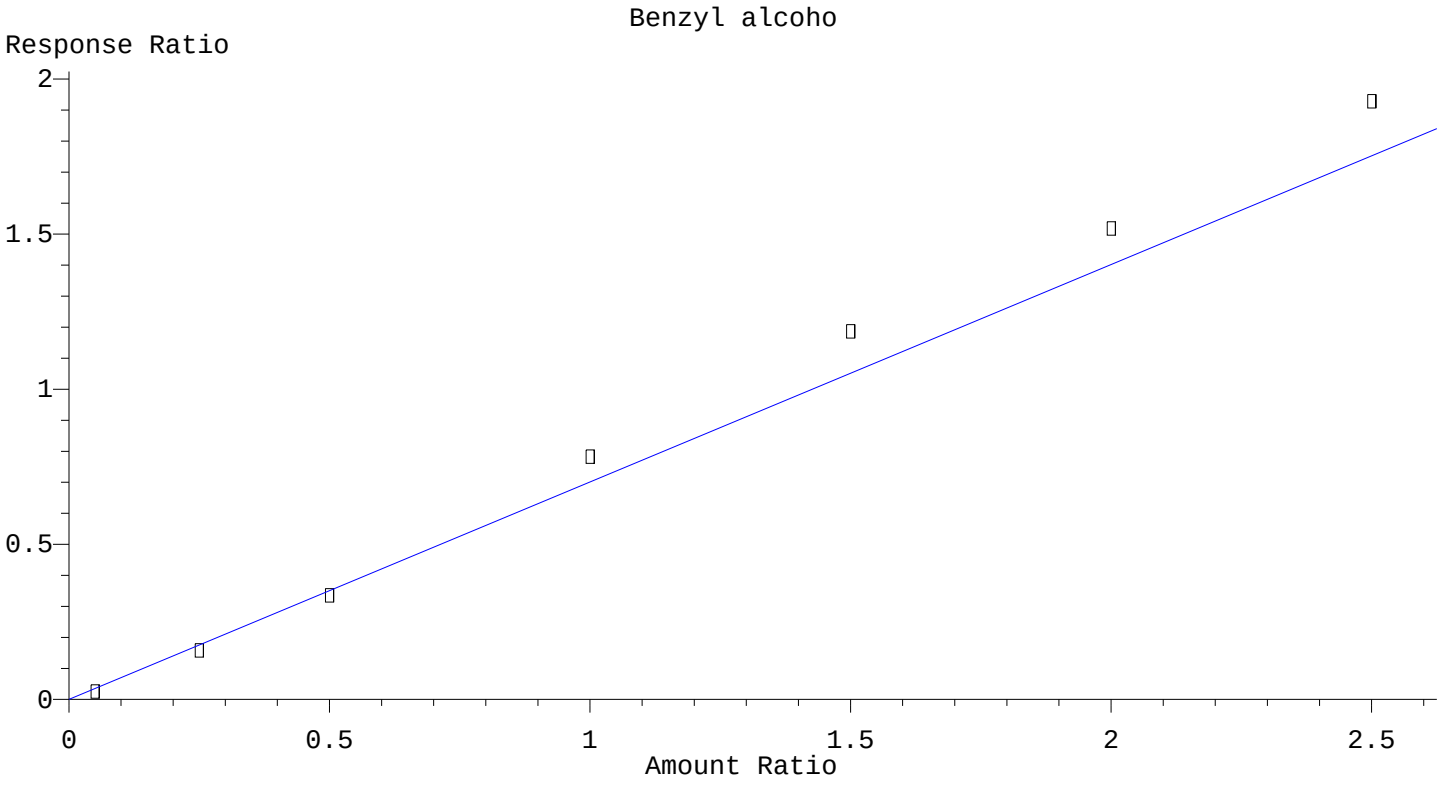
Resp Ratio = 1.70e+000 * Amt
RF Rel Std Dev = 8.8% Curve Fit: Avg RF



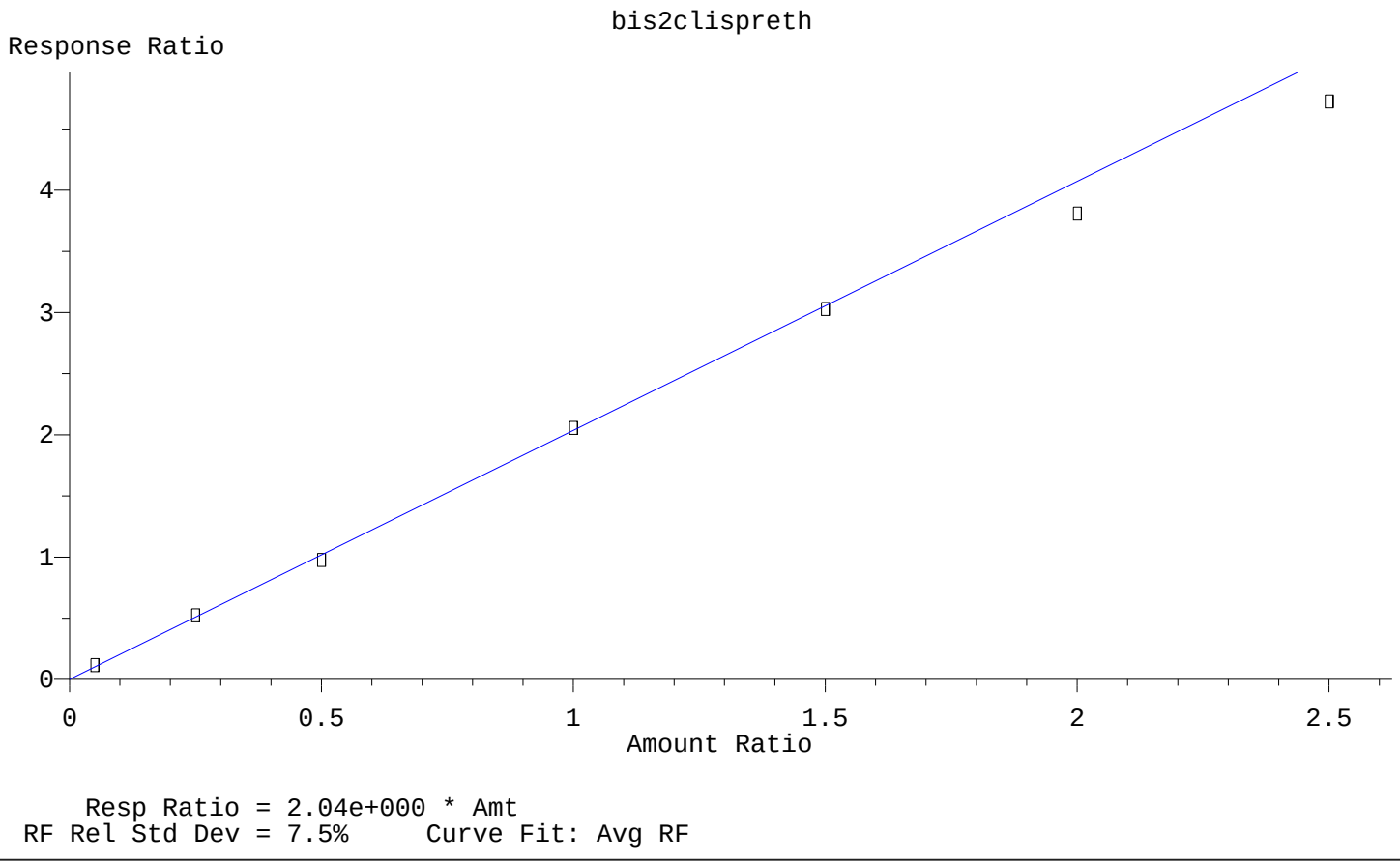
Resp Ratio = 1.60e+000 * Amt
RF Rel Std Dev = 8.6% Curve Fit: Avg RF



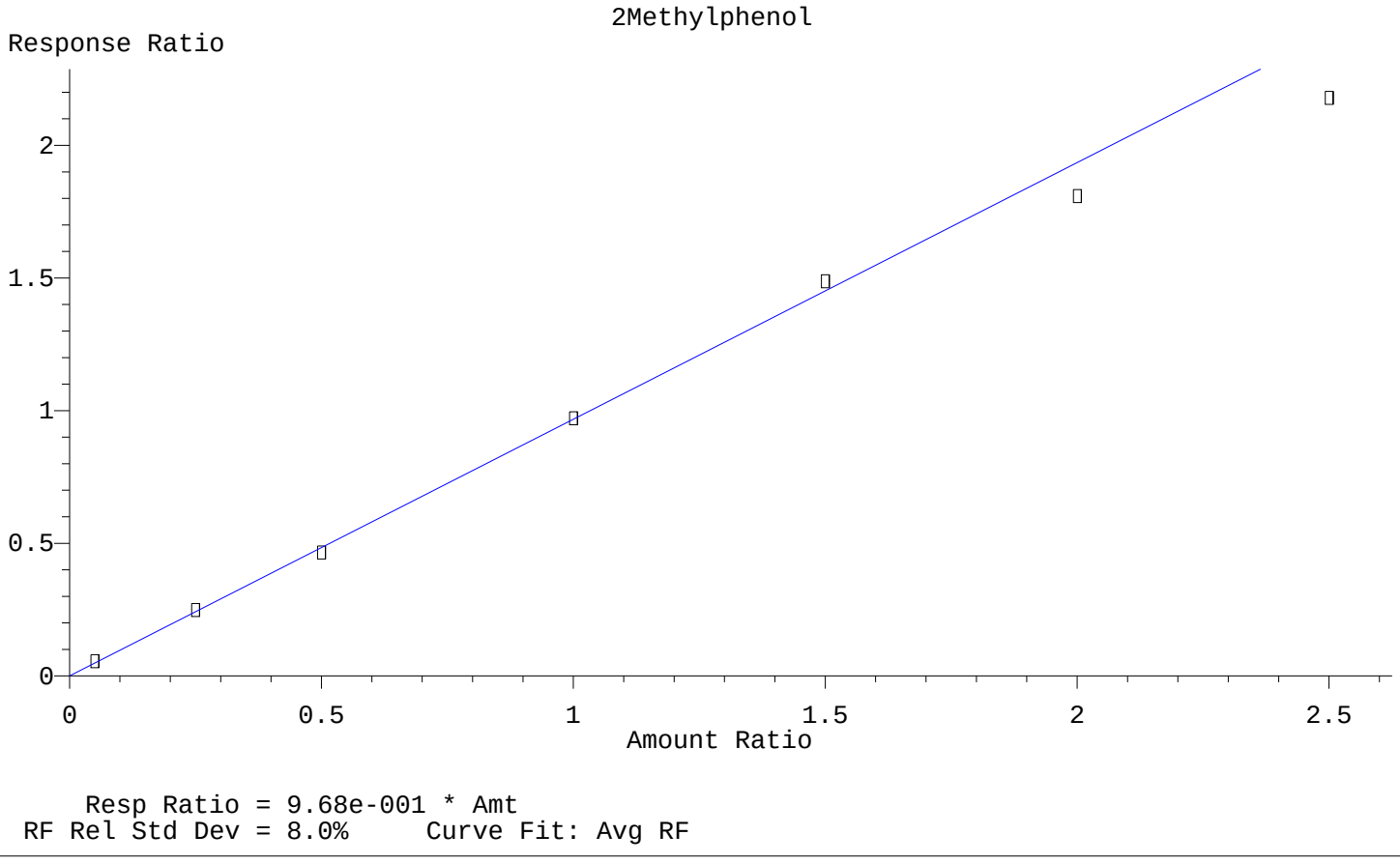
Resp Ratio = 1.59e+000 * Amt
RF Rel Std Dev = 5.9% Curve Fit: Avg RF



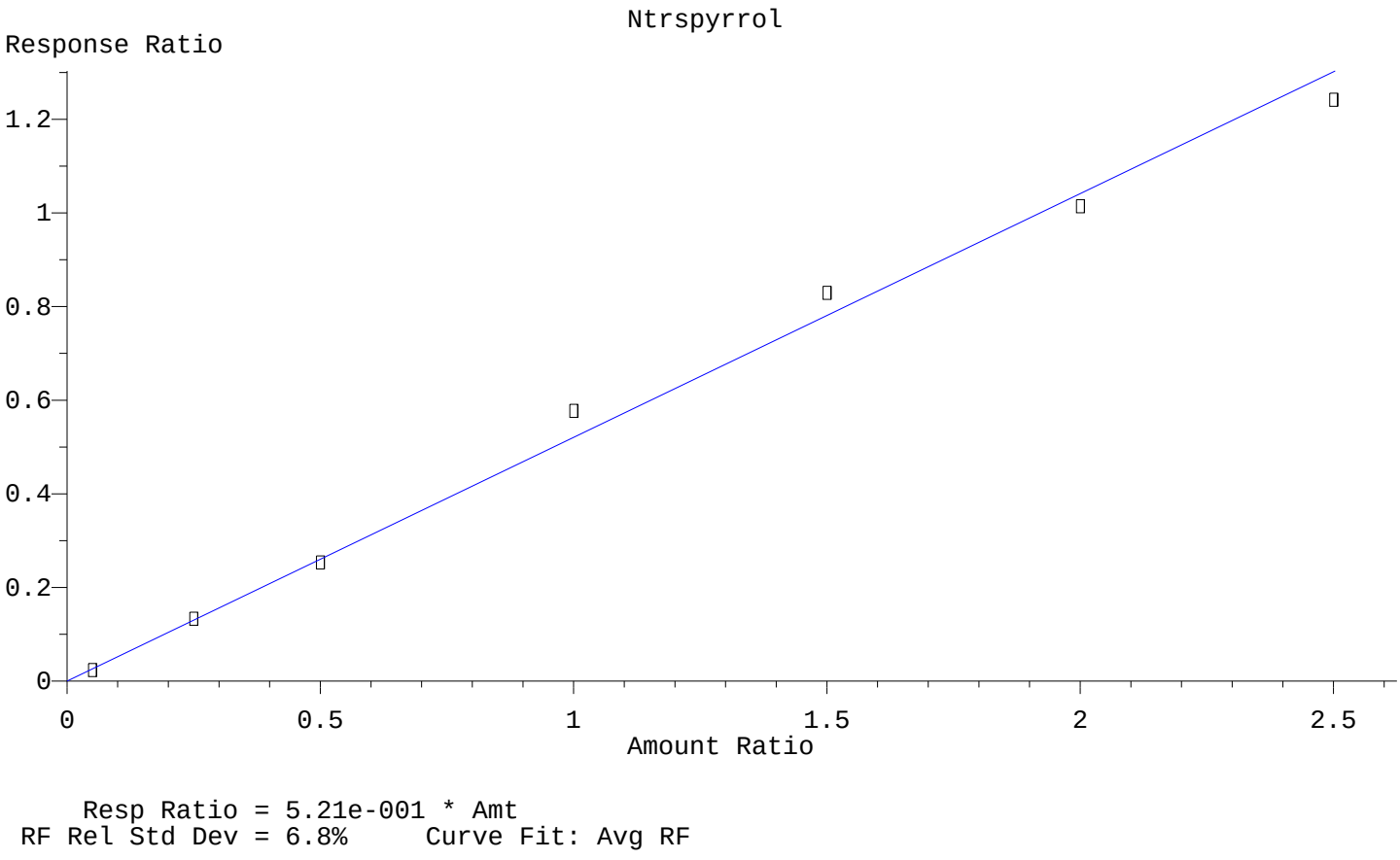
Resp Ratio = 7.01e-001 * Amt
RF Rel Std Dev = 15.2% Curve Fit: Avg RF



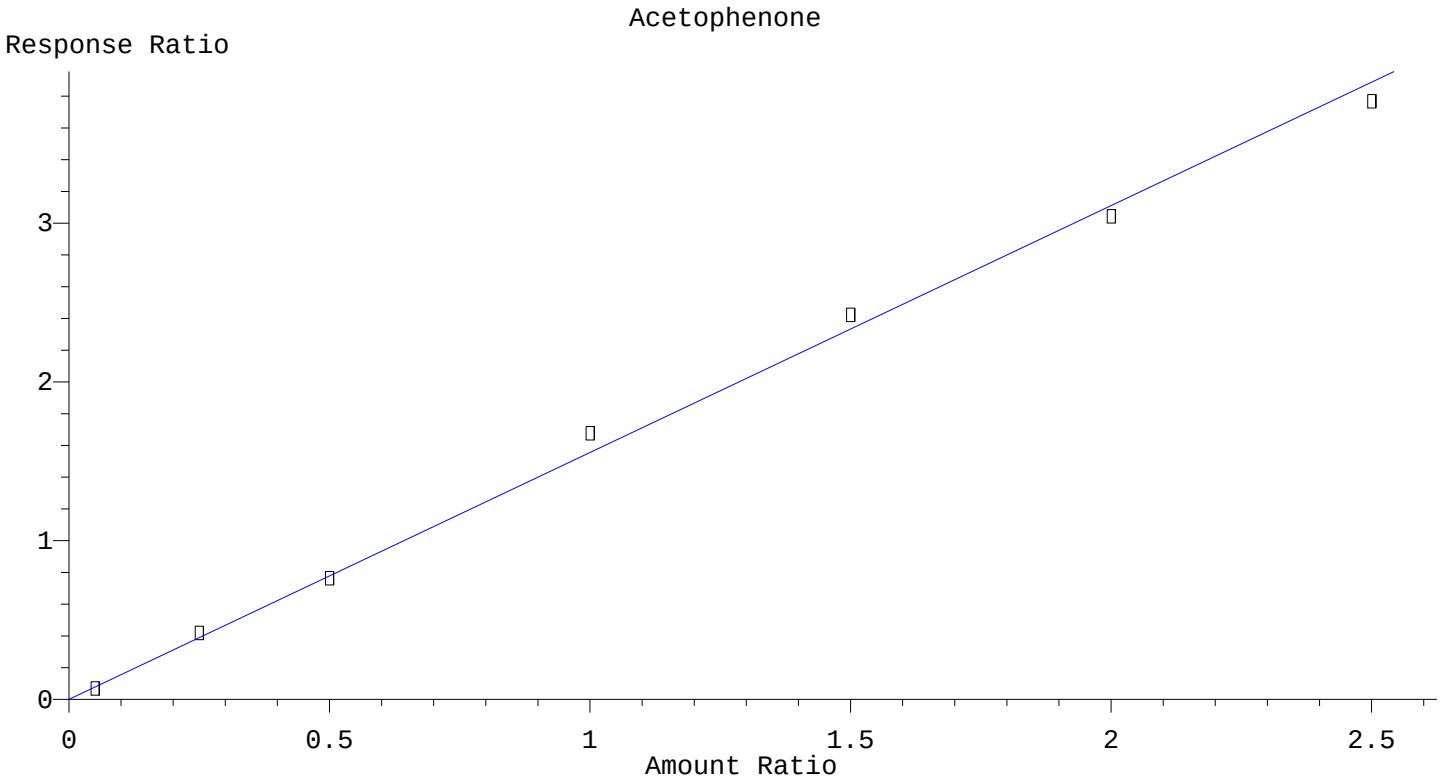
Resp Ratio = 2.04e+000 * Amt
RF Rel Std Dev = 7.5% Curve Fit: Avg RF



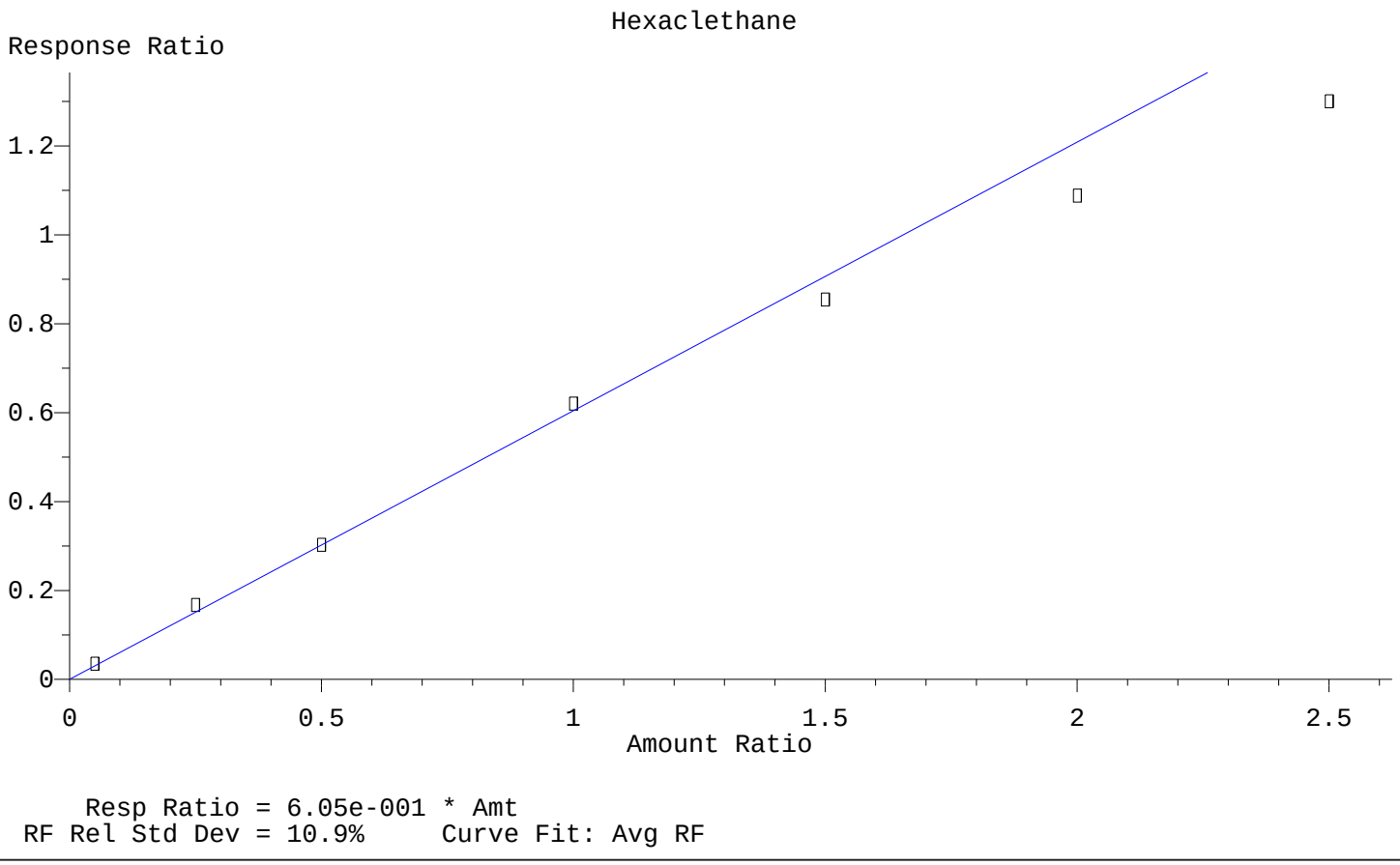
Resp Ratio = 9.68e-001 * Amt
RF Rel Std Dev = 8.0% Curve Fit: Avg RF



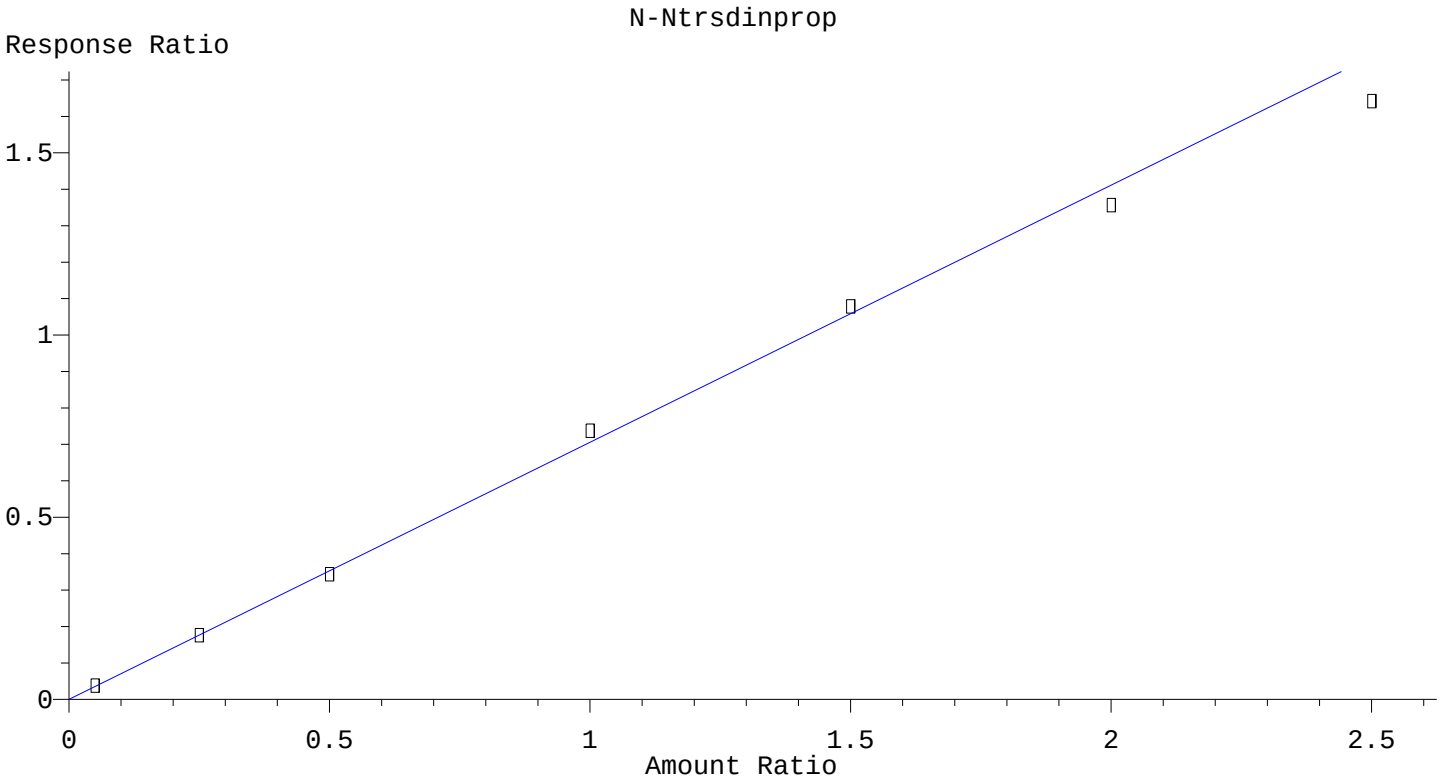
Resp Ratio = 5.21e-001 * Amt
RF Rel Std Dev = 6.8% Curve Fit: Avg RF



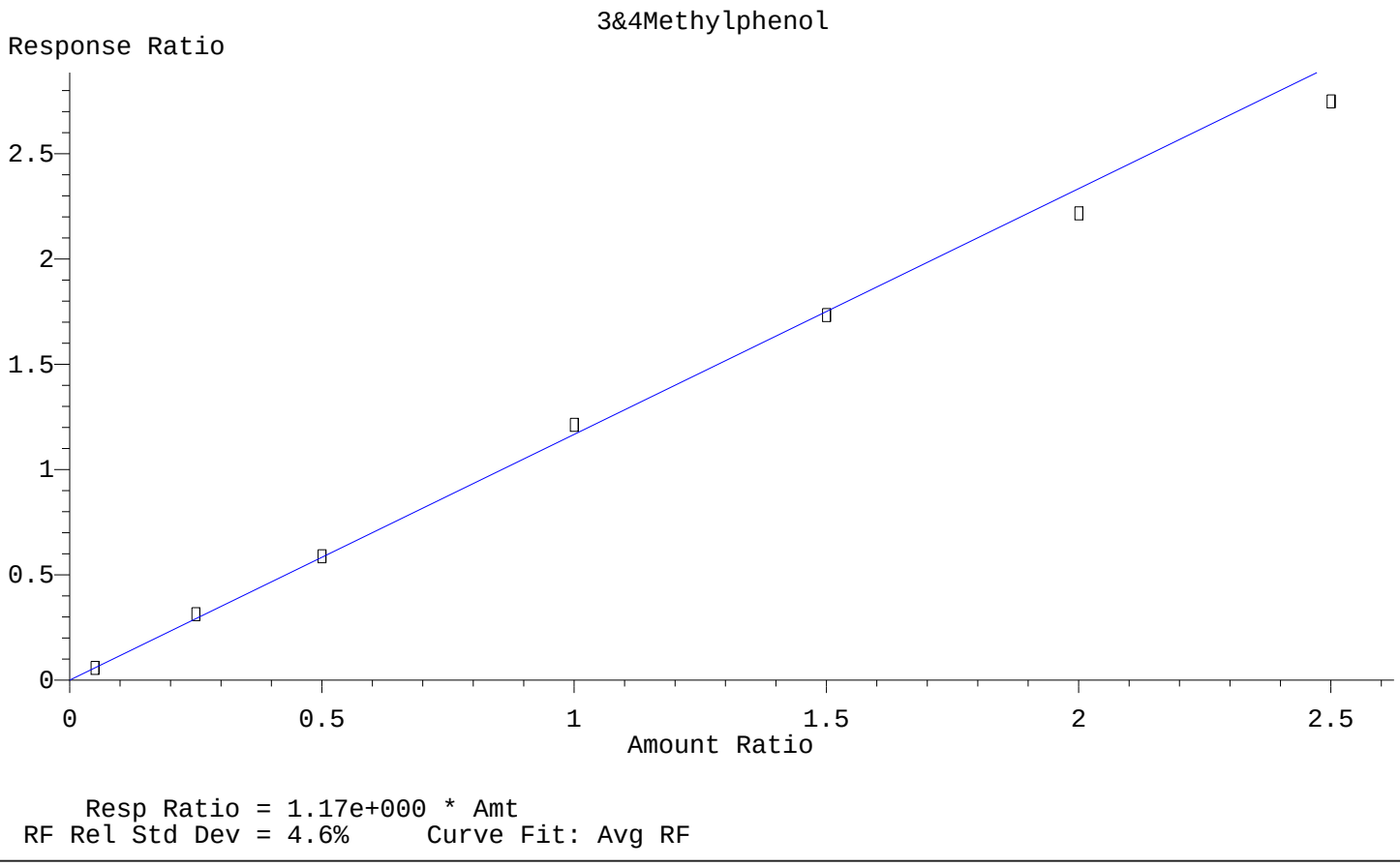
Resp Ratio = 1.56e+000 * Amt
RF Rel Std Dev = 6.9% Curve Fit: Avg RF



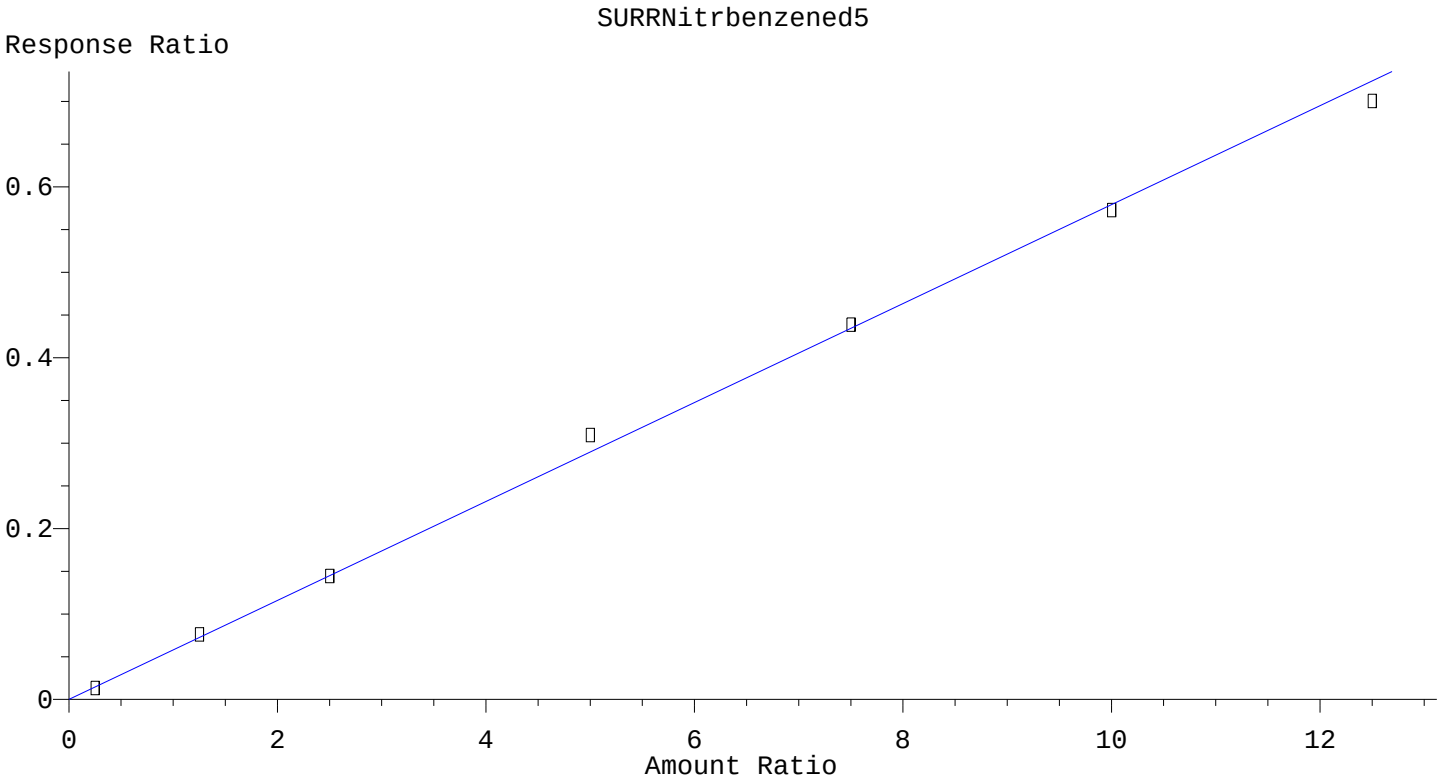
Resp Ratio = 6.05e-001 * Amt
RF Rel Std Dev = 10.9% Curve Fit: Avg RF



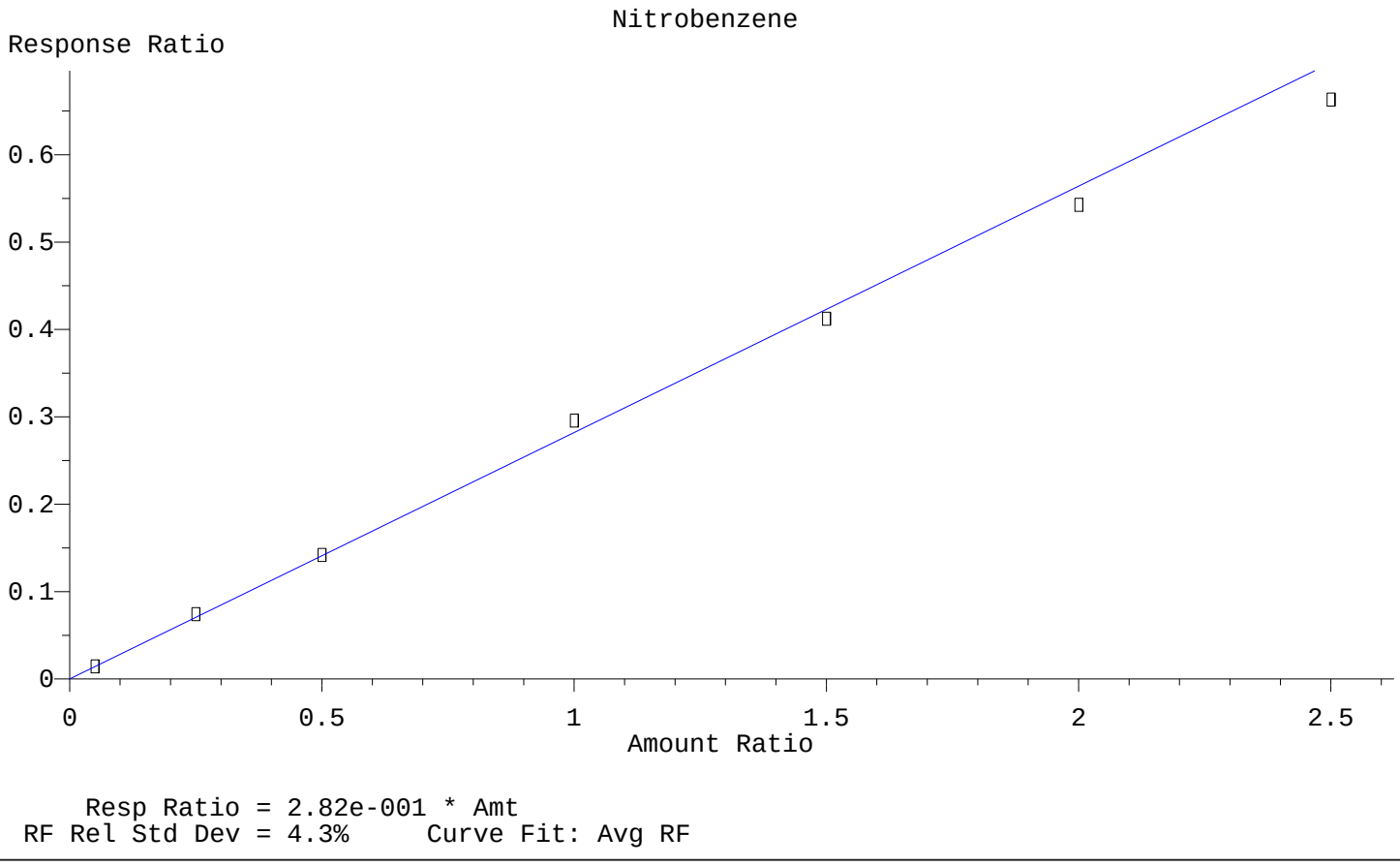
Resp Ratio = 7.06e-001 * Amt
RF Rel Std Dev = 5.0% Curve Fit: Avg RF



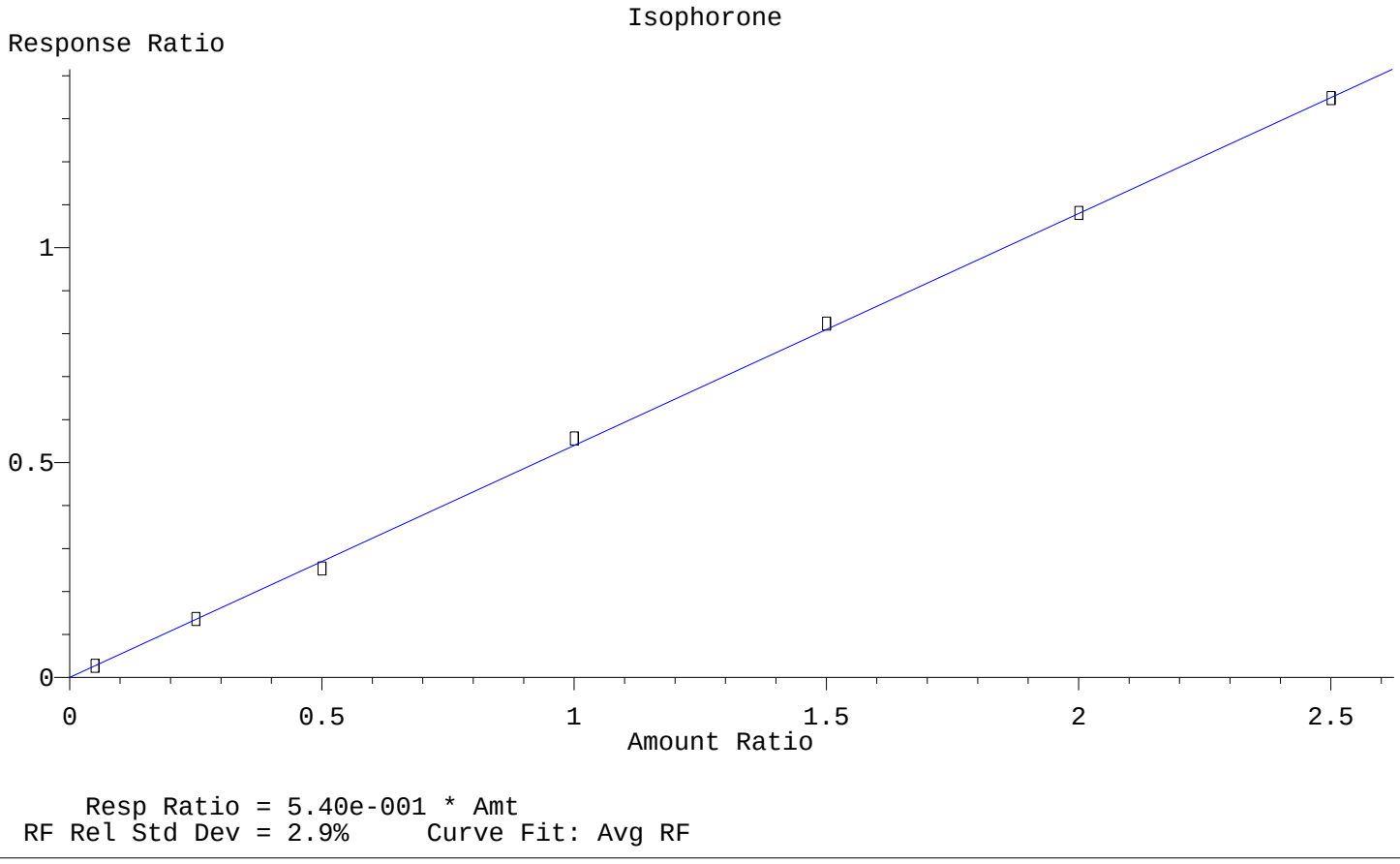
Resp Ratio = 1.17e+000 * Amt
RF Rel Std Dev = 4.6% Curve Fit: Avg RF



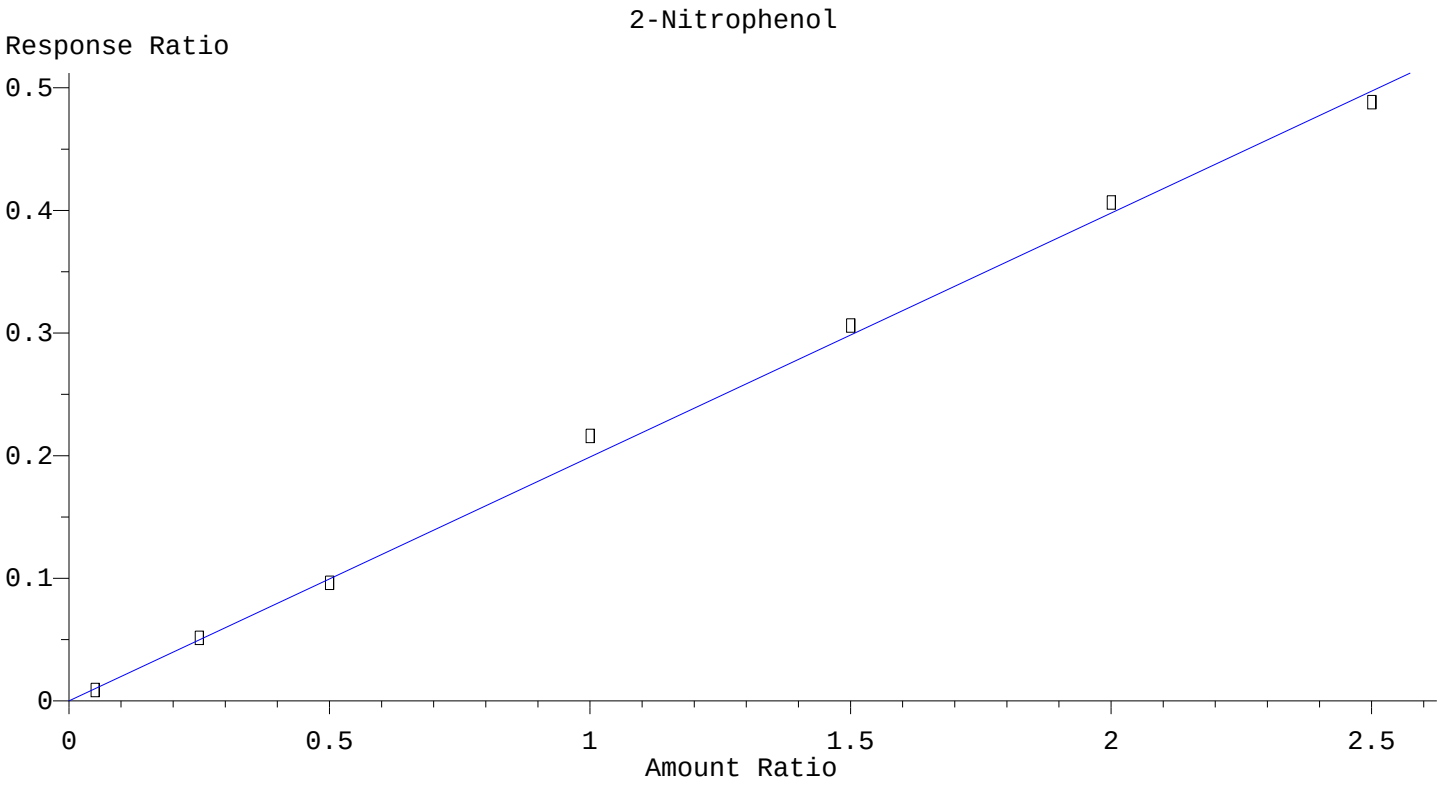
Resp Ratio = 5.80e-002 * Amt
RF Rel Std Dev = 4.9% Curve Fit: Avg RF



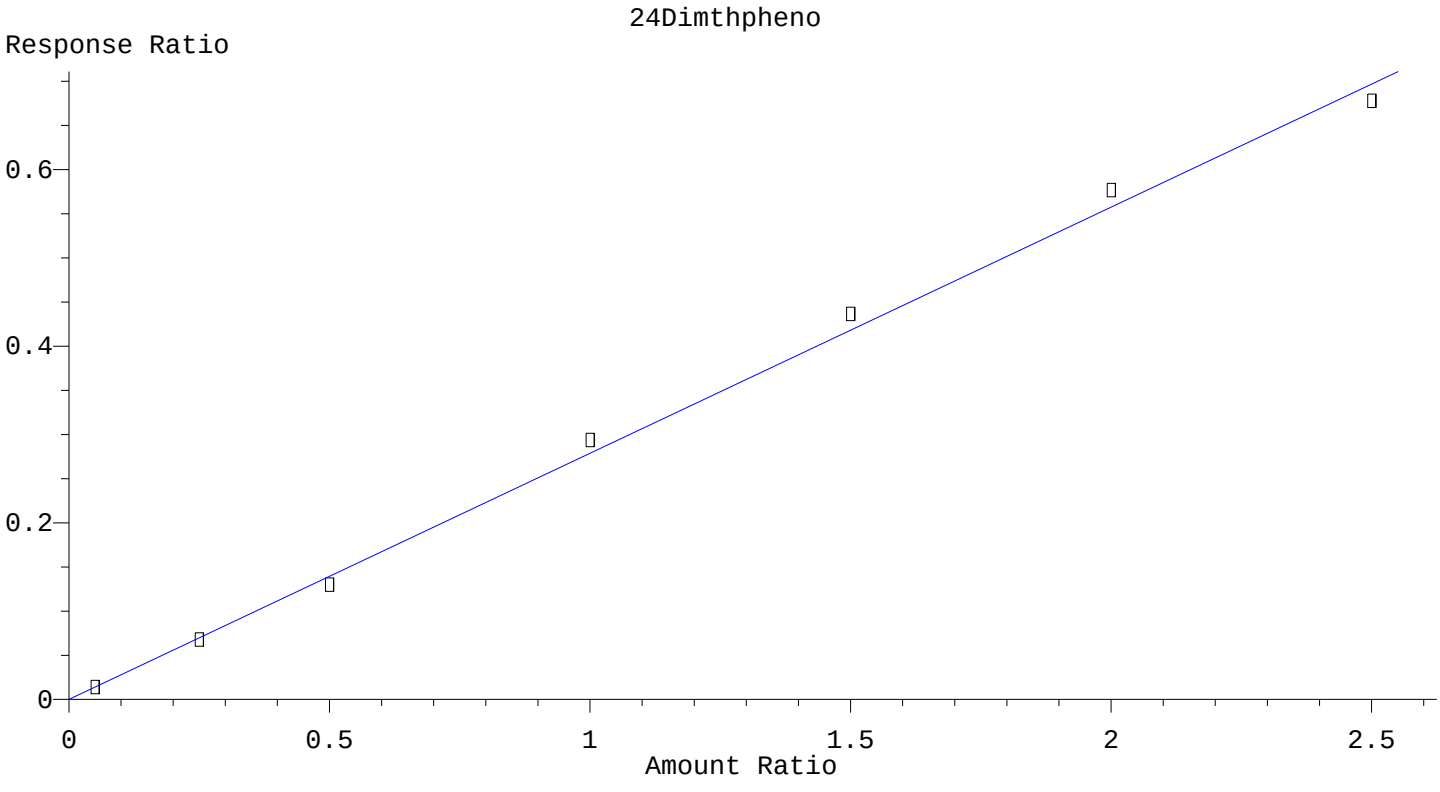
Resp Ratio = 2.82e-001 * Amt
RF Rel Std Dev = 4.3% Curve Fit: Avg RF



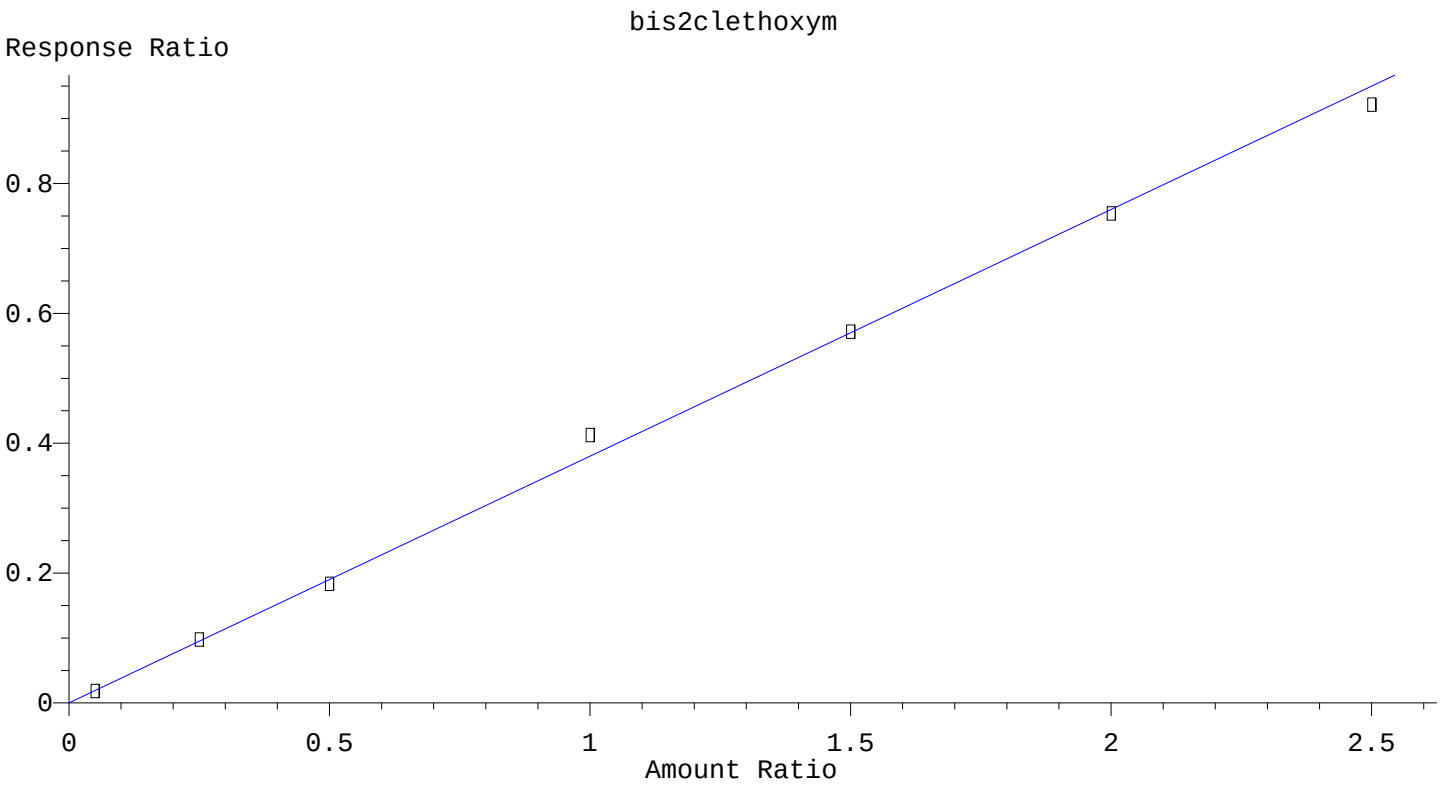
Resp Ratio = 5.40e-001 * Amt
RF Rel Std Dev = 2.9% Curve Fit: Avg RF



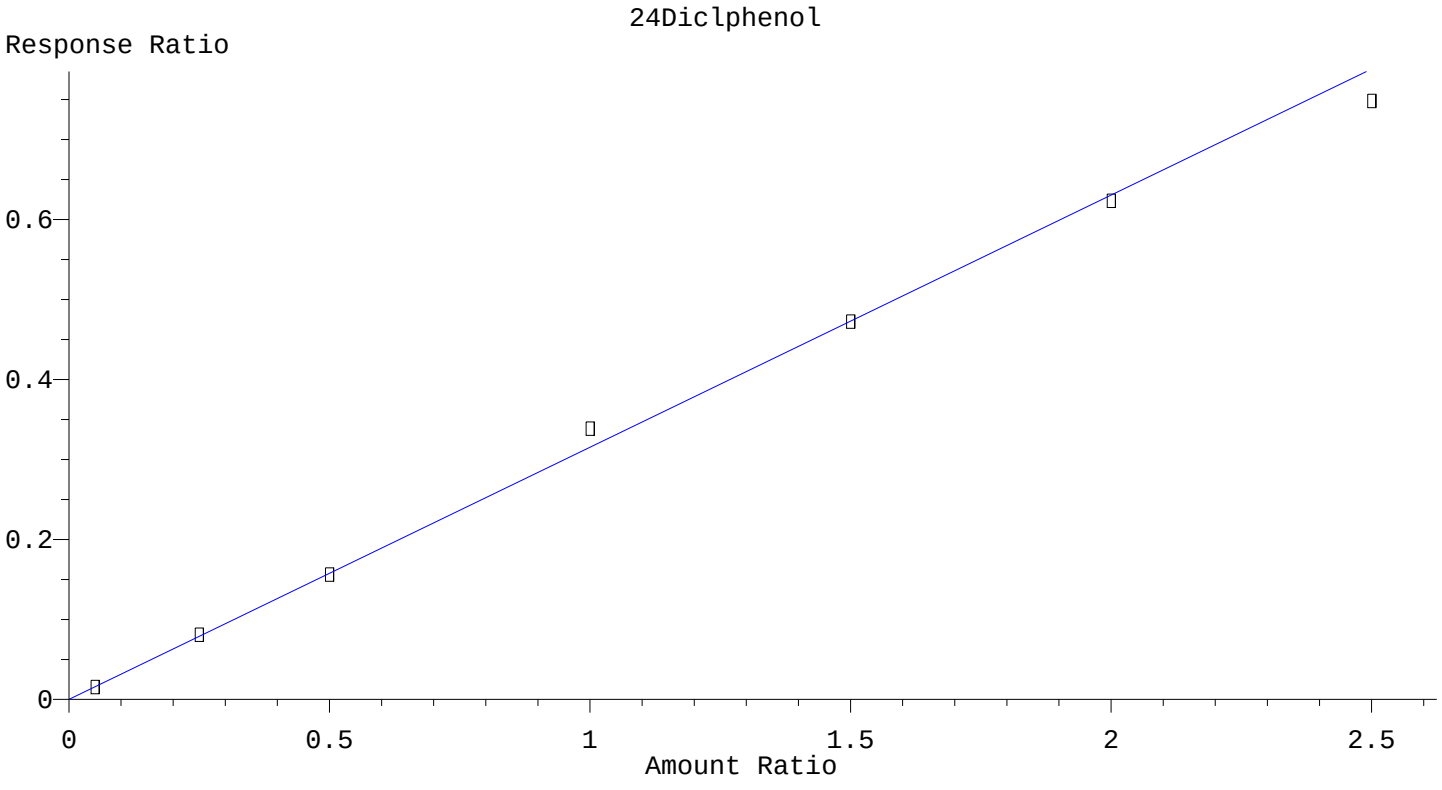
Resp Ratio = 1.99e-001 * Amt
RF Rel Std Dev = 6.2% Curve Fit: Avg RF



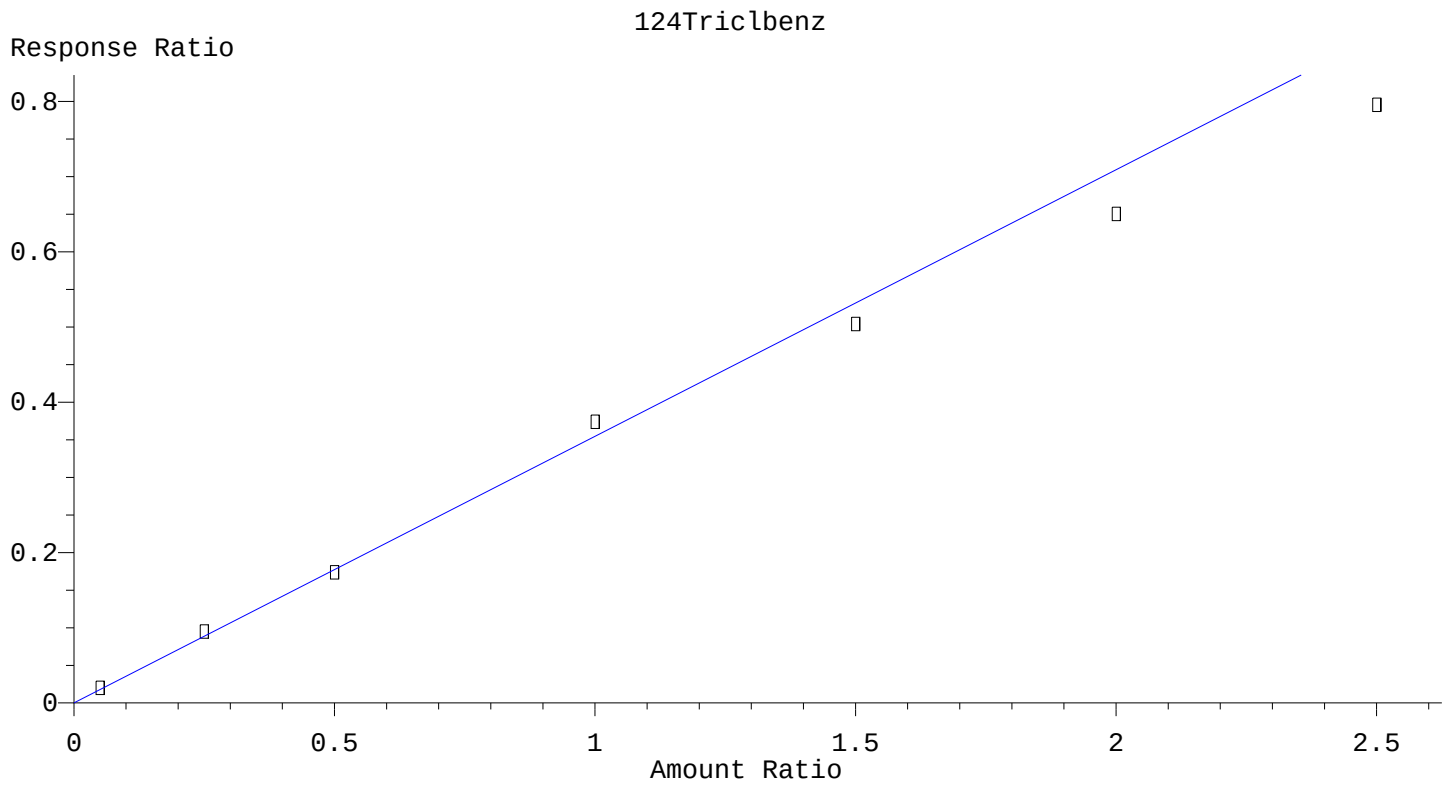
Resp Ratio = 2.79e-001 * Amt
RF Rel Std Dev = 4.5% Curve Fit: Avg RF



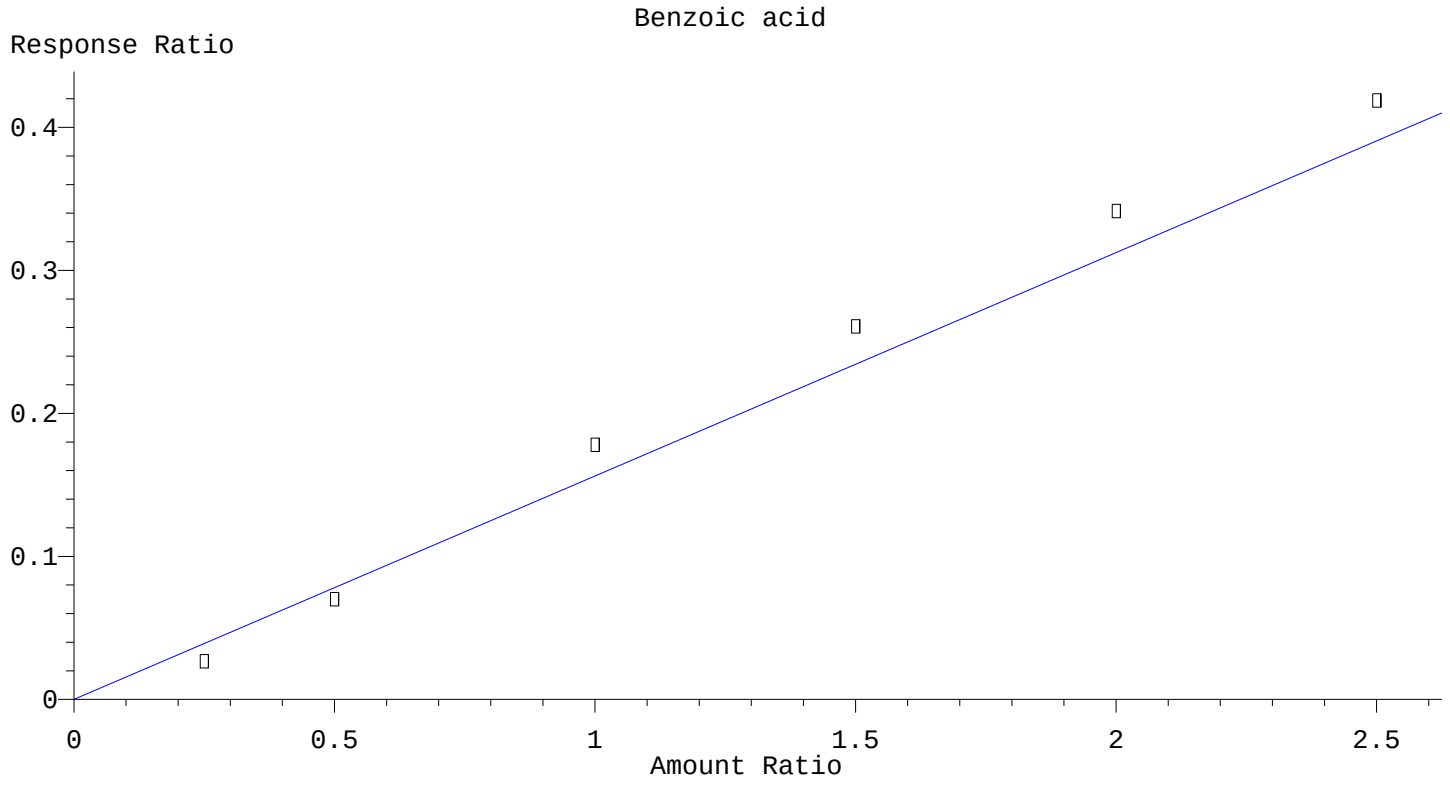
Resp Ratio = 3.80e-001 * Amt
RF Rel Std Dev = 4.5% Curve Fit: Avg RF



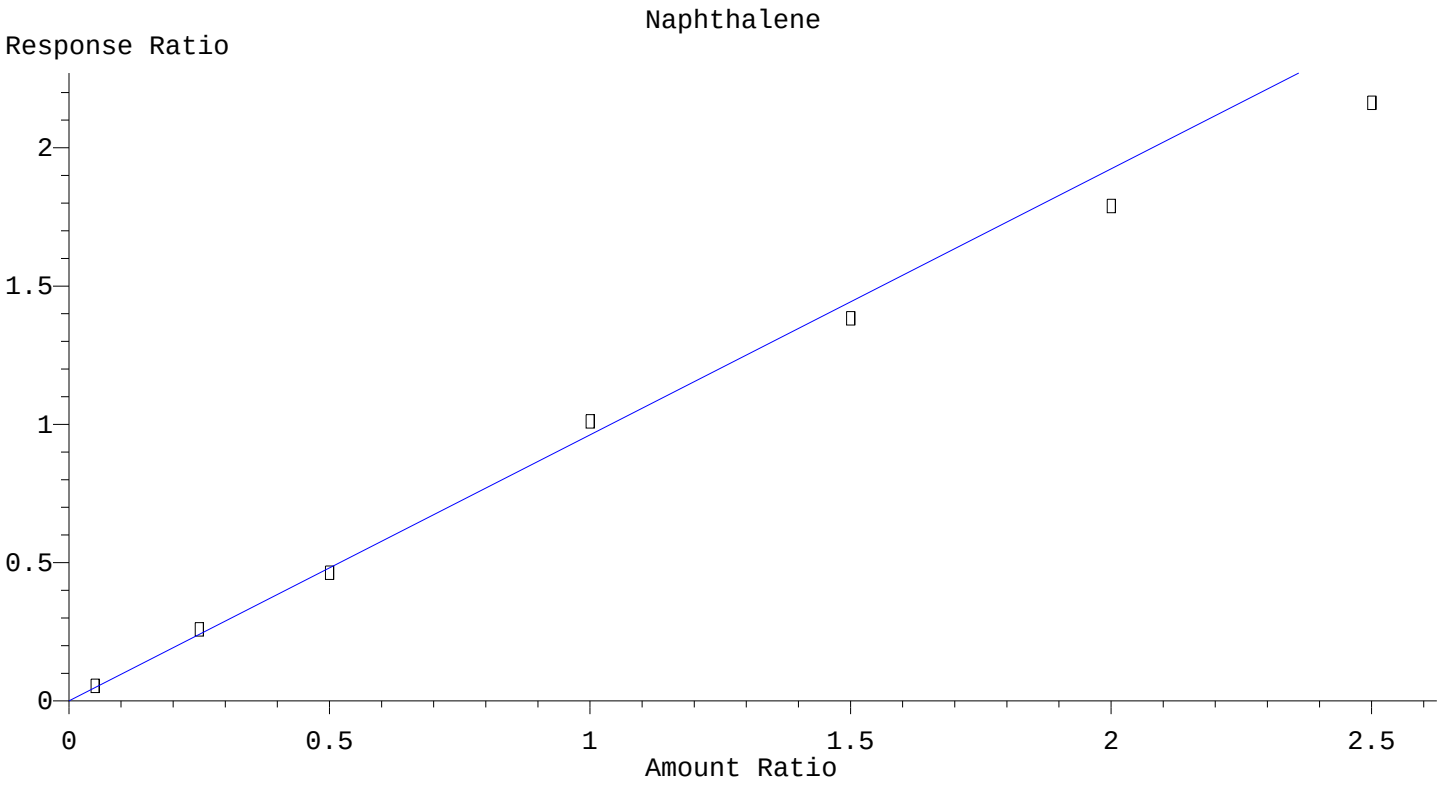
Resp Ratio = 3.16e-001 * Amt
RF Rel Std Dev = 4.0% Curve Fit: Avg RF



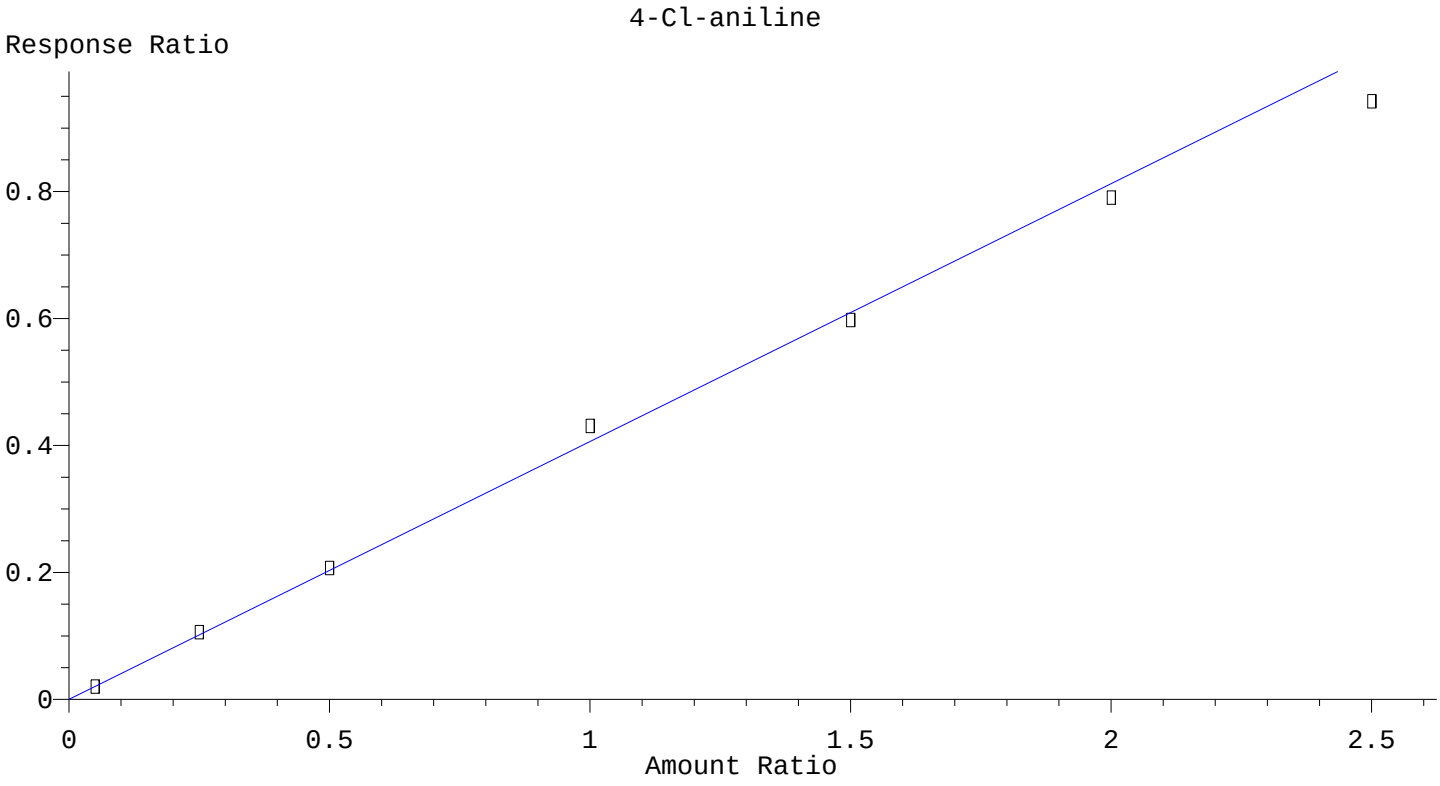
Resp Ratio = 3.55e-001 * Amt
RF Rel Std Dev = 8.8% Curve Fit: Avg RF



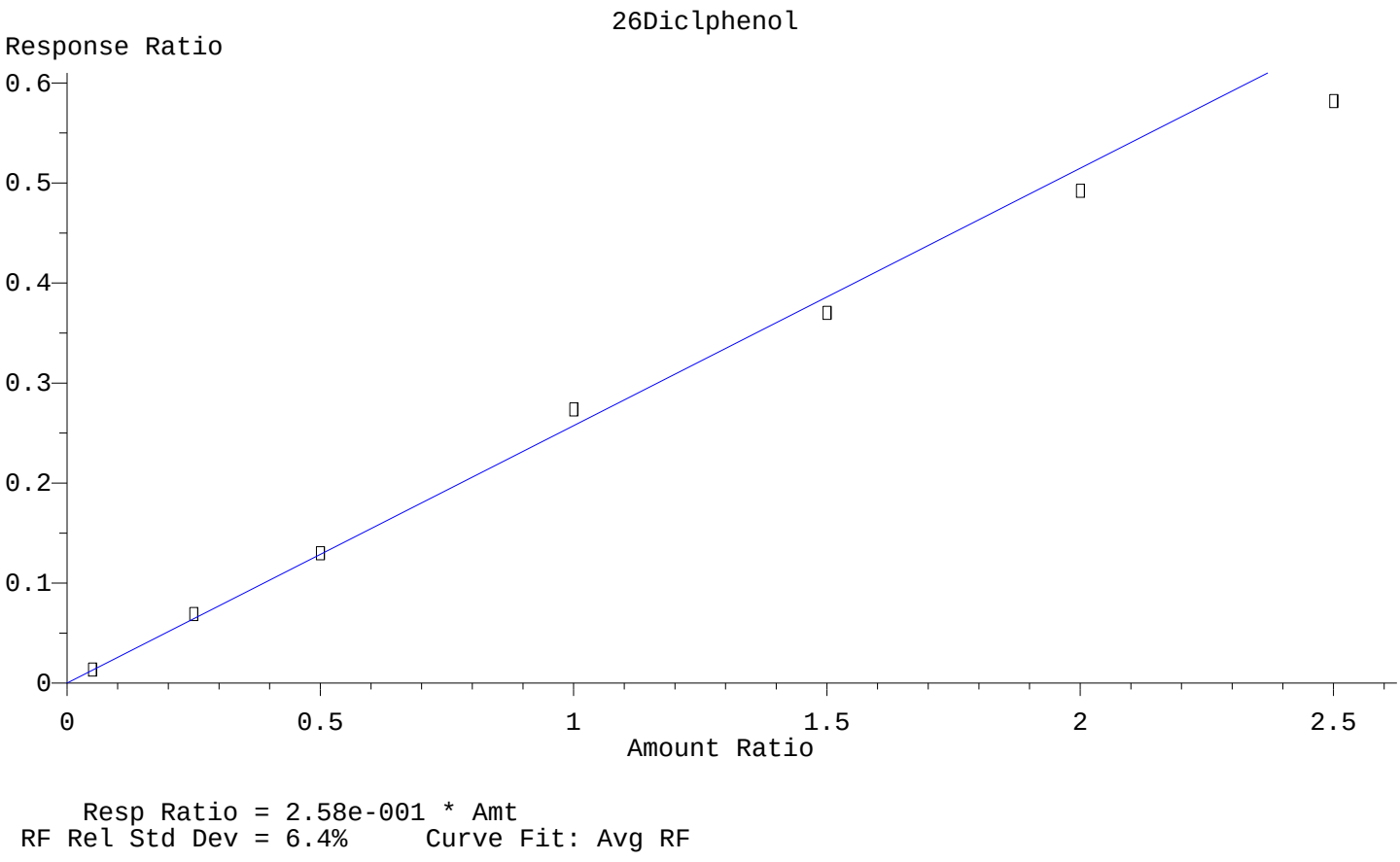
Resp Ratio = 1.56e-001 * Amt
RF Rel Std Dev = 17.7% Curve Fit: Avg RF



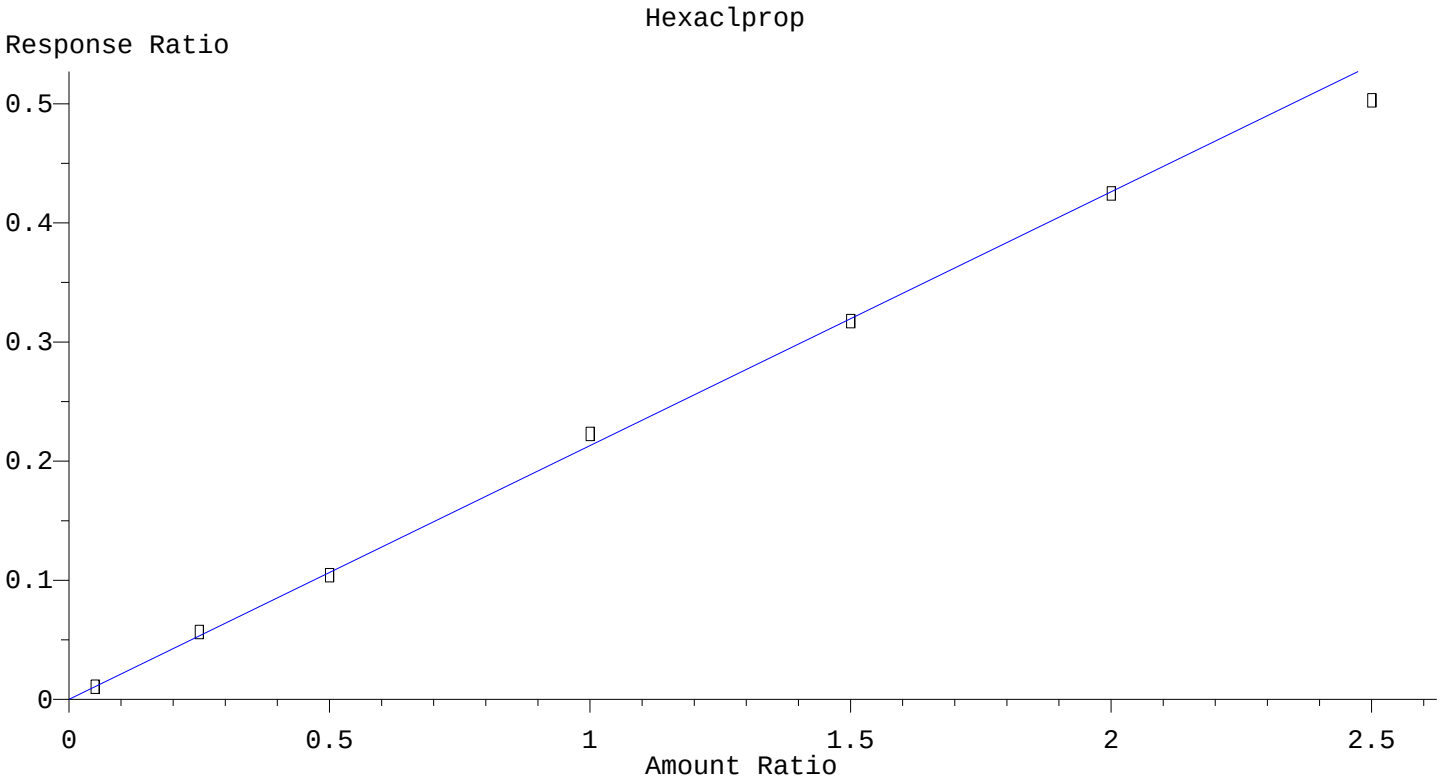
Resp Ratio = 9.62e-001 * Amt
RF Rel Std Dev = 8.4% Curve Fit: Avg RF



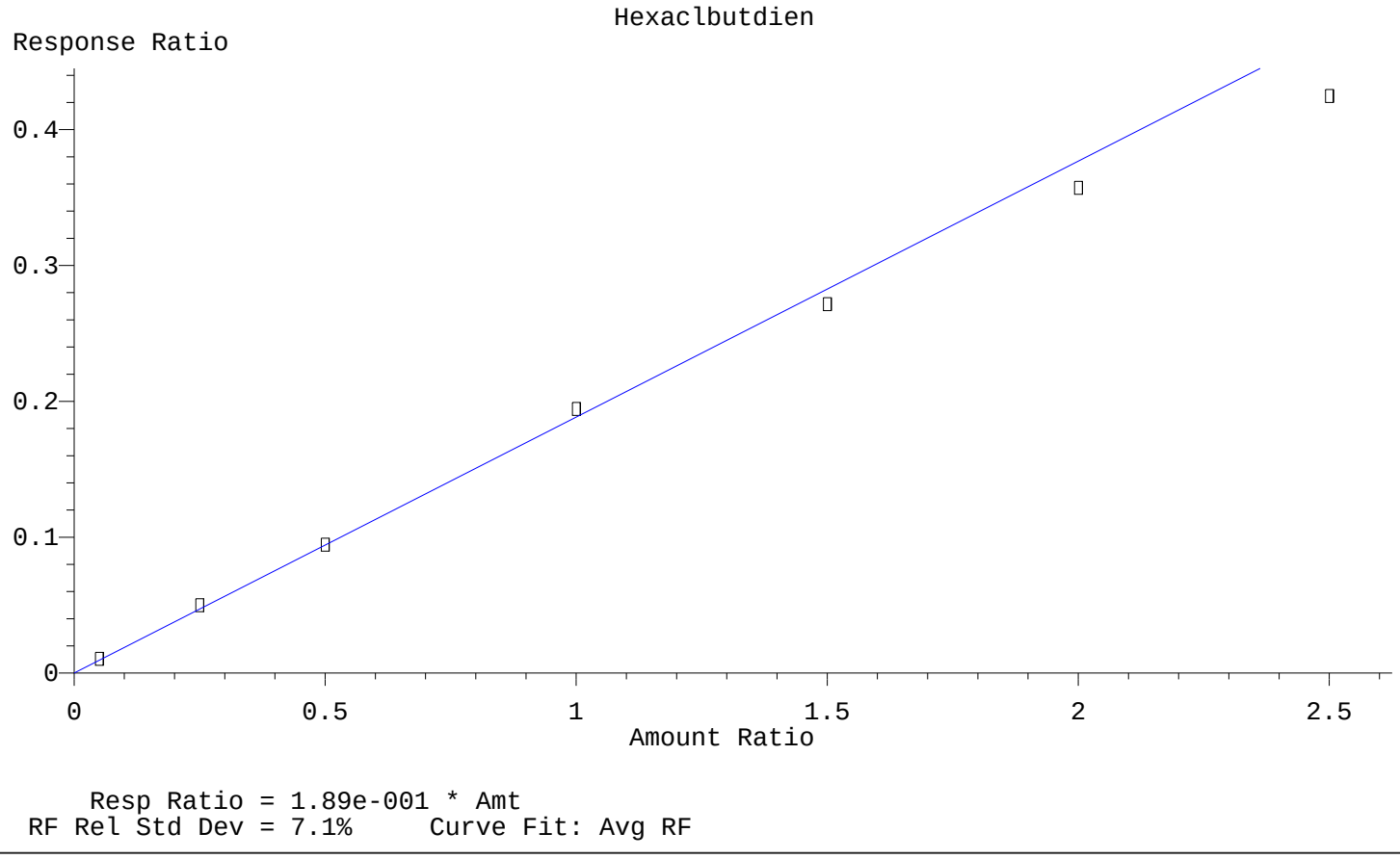
Resp Ratio = 4.06e-001 * Amt
RF Rel Std Dev = 4.5% Curve Fit: Avg RF



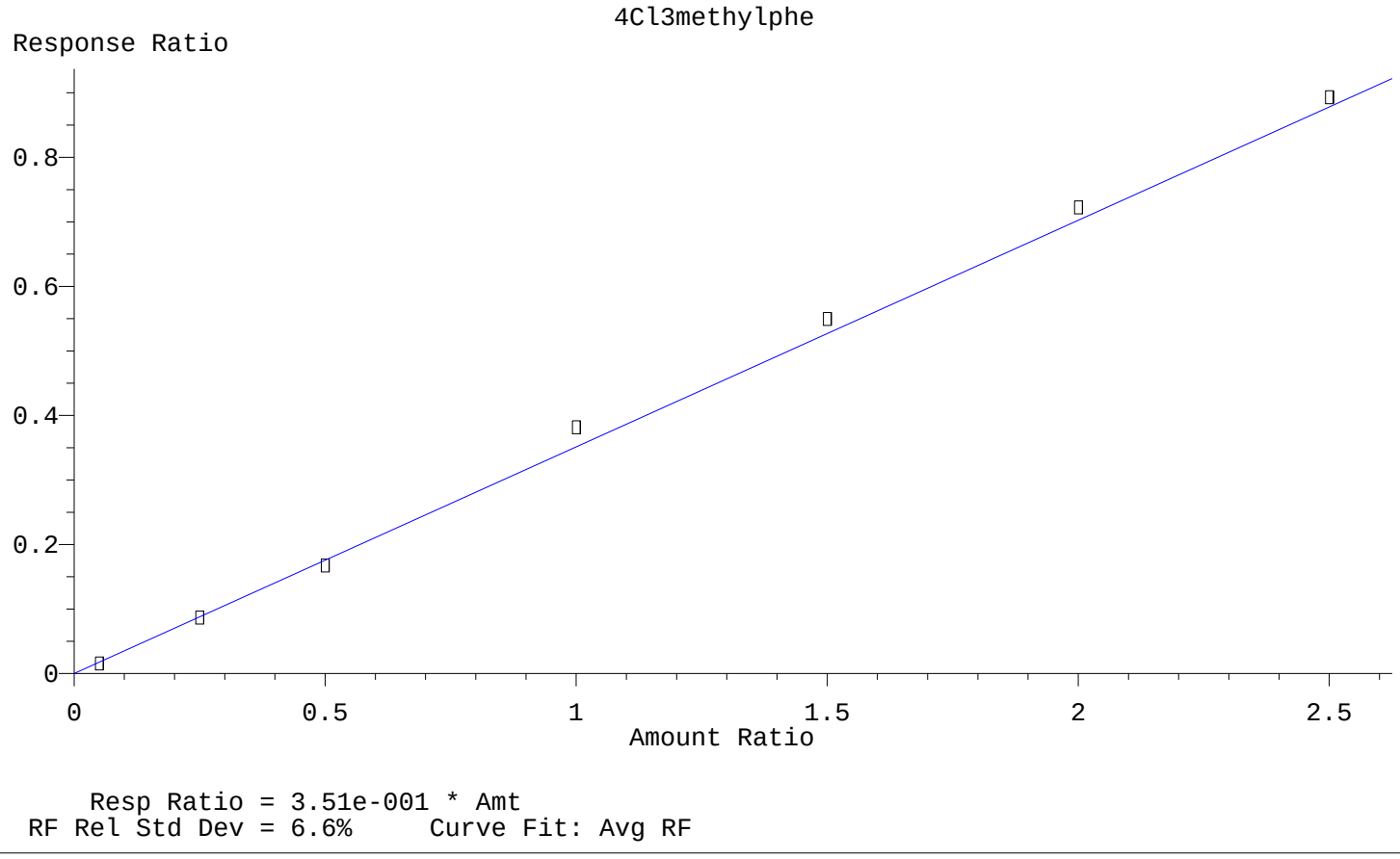
Resp Ratio = 2.58e-001 * Amt
RF Rel Std Dev = 6.4% Curve Fit: Avg RF



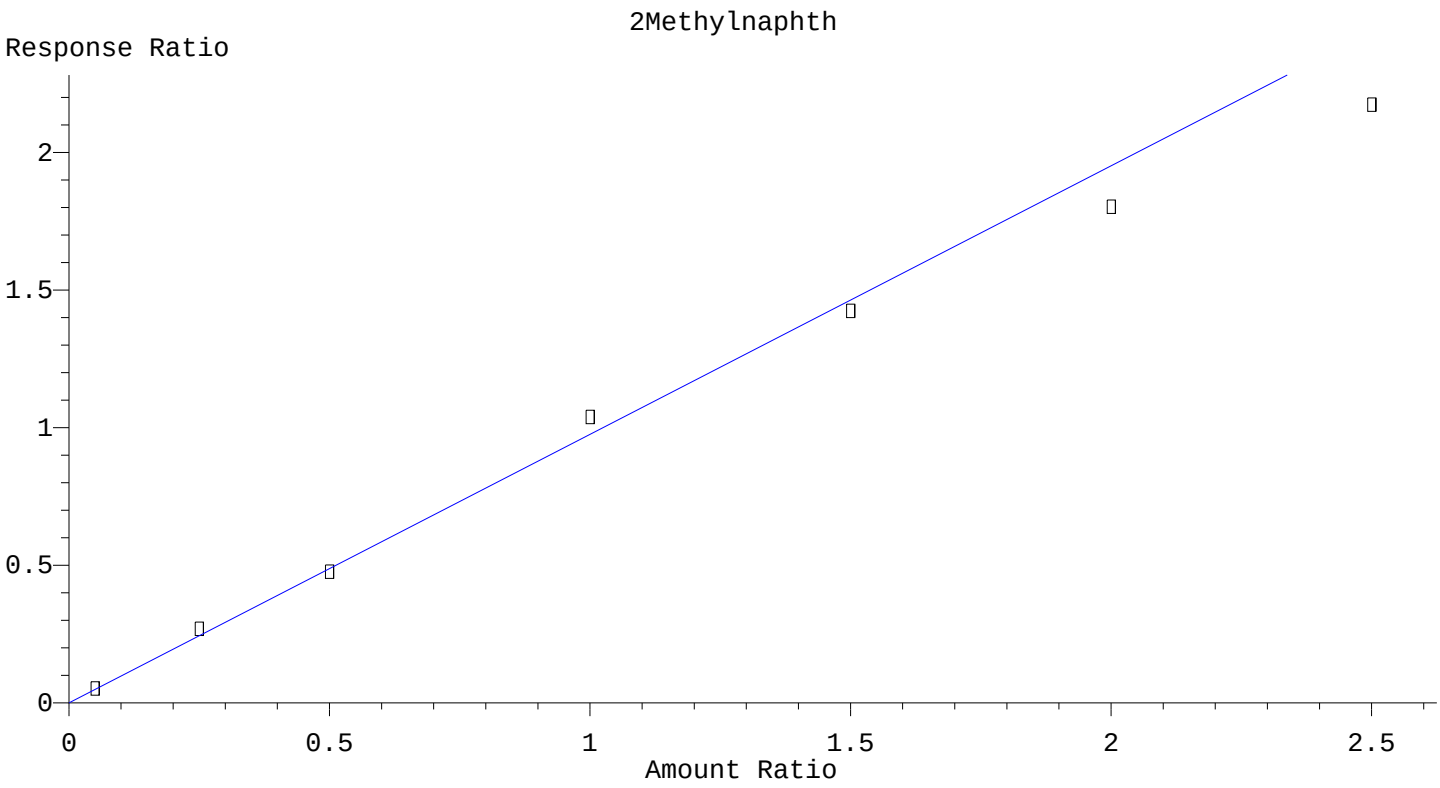
Resp Ratio = 2.13e-001 * Amt
RF Rel Std Dev = 4.0% Curve Fit: Avg RF



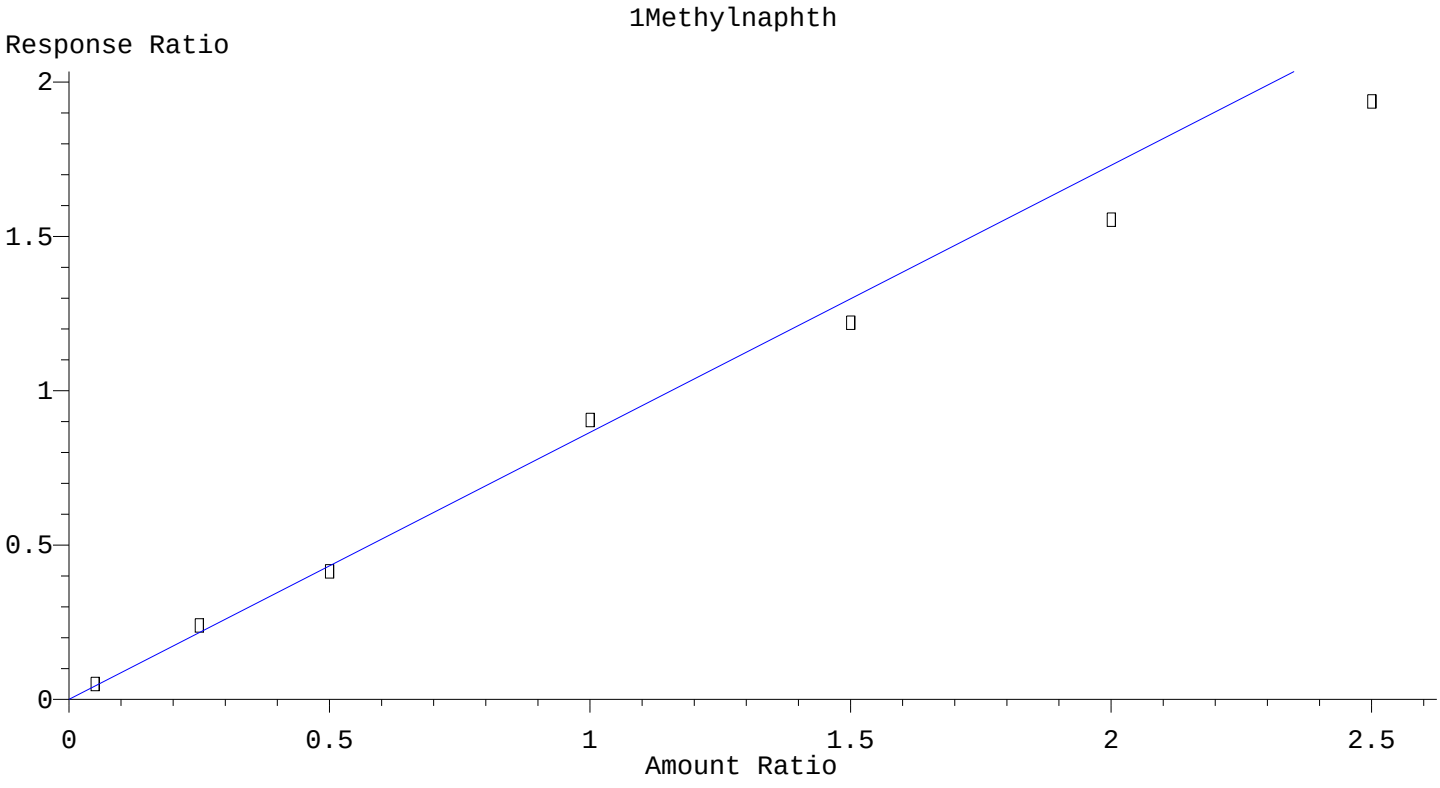
Resp Ratio = 1.89e-001 * Amt
RF Rel Std Dev = 7.1% Curve Fit: Avg RF



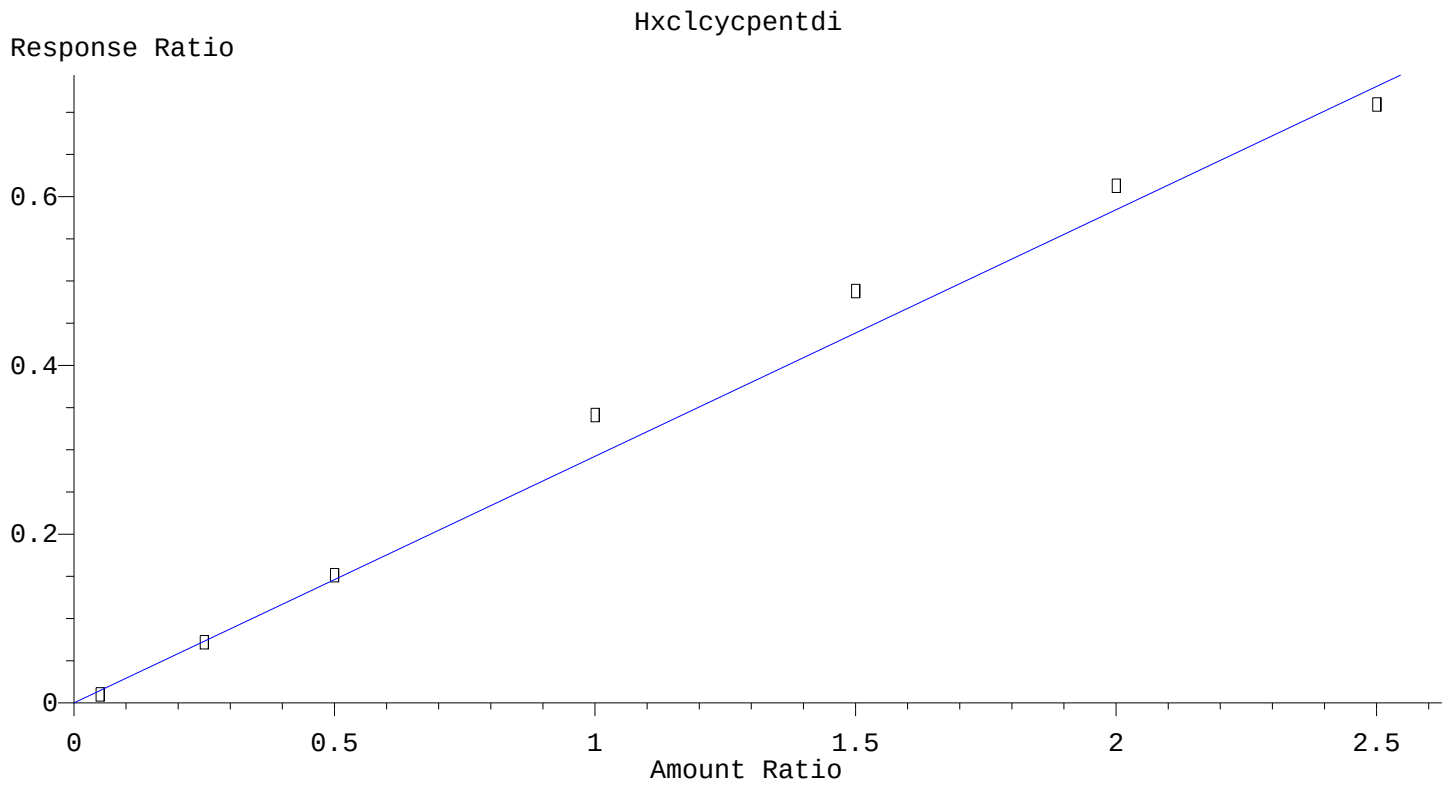
Resp Ratio = 3.51e-001 * Amt
RF Rel Std Dev = 6.6% Curve Fit: Avg RF



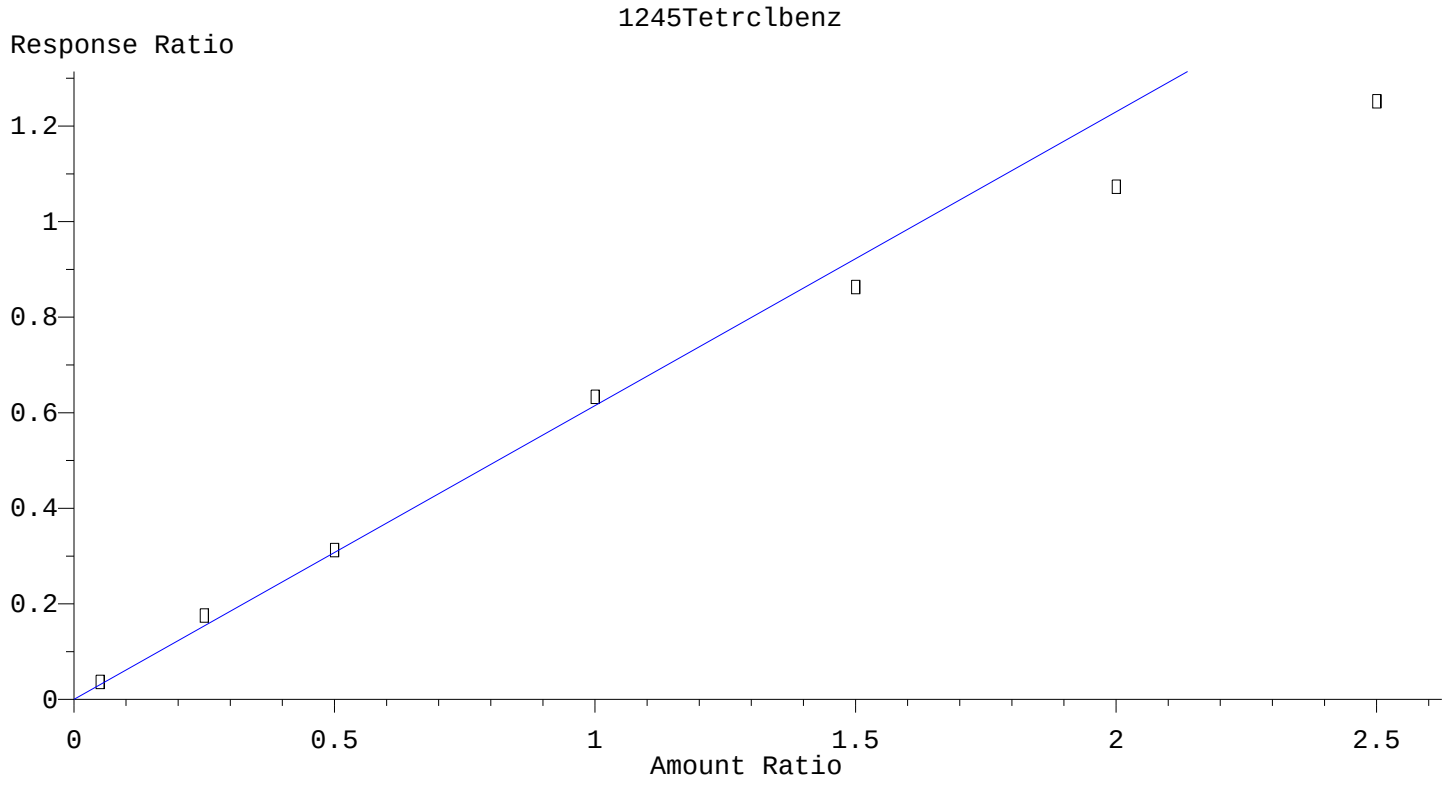
Resp Ratio = 9.76e-001 * Amt
RF Rel Std Dev = 8.0% Curve Fit: Avg RF



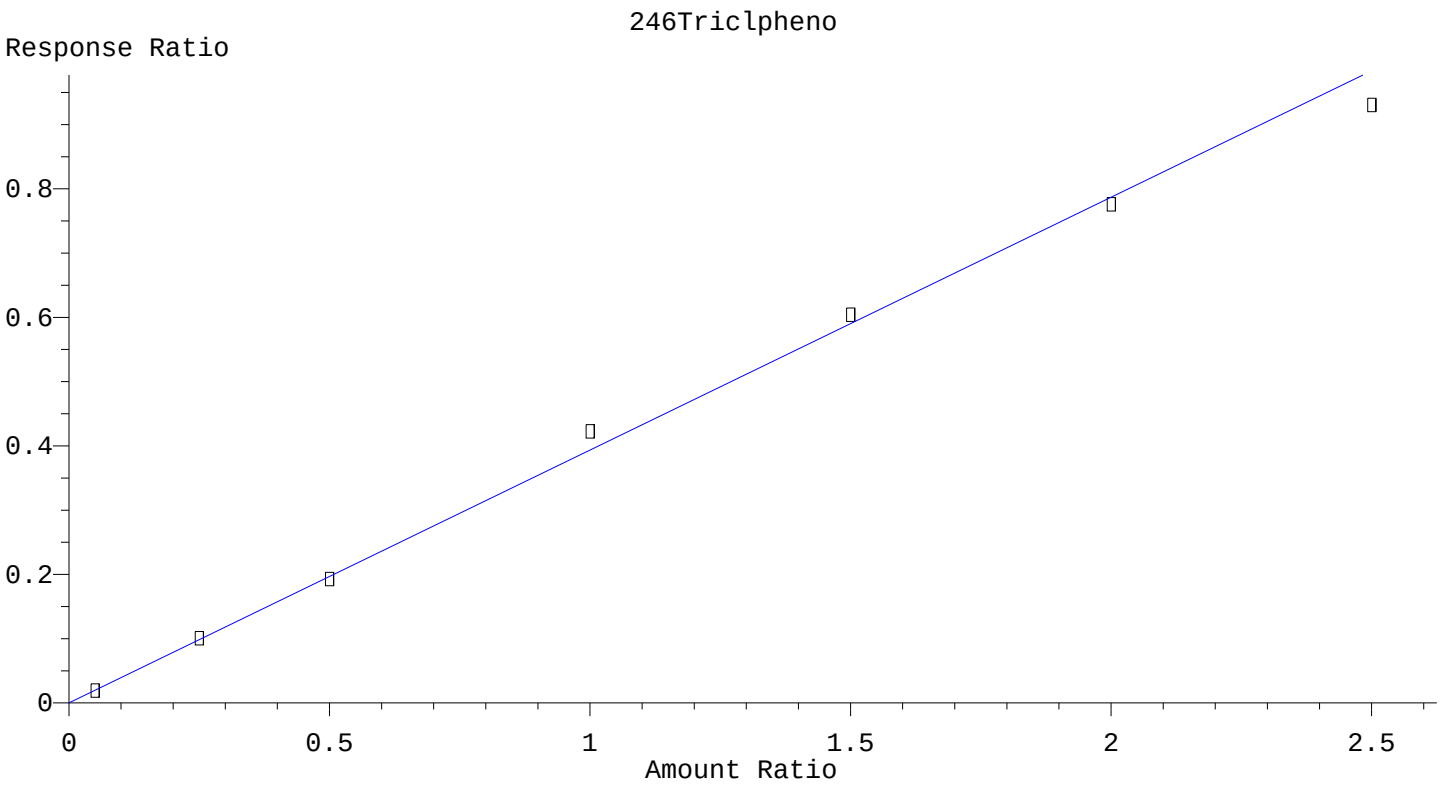
Resp Ratio = 8.65e-001 * Amt
RF Rel Std Dev = 10.3% Curve Fit: Avg RF



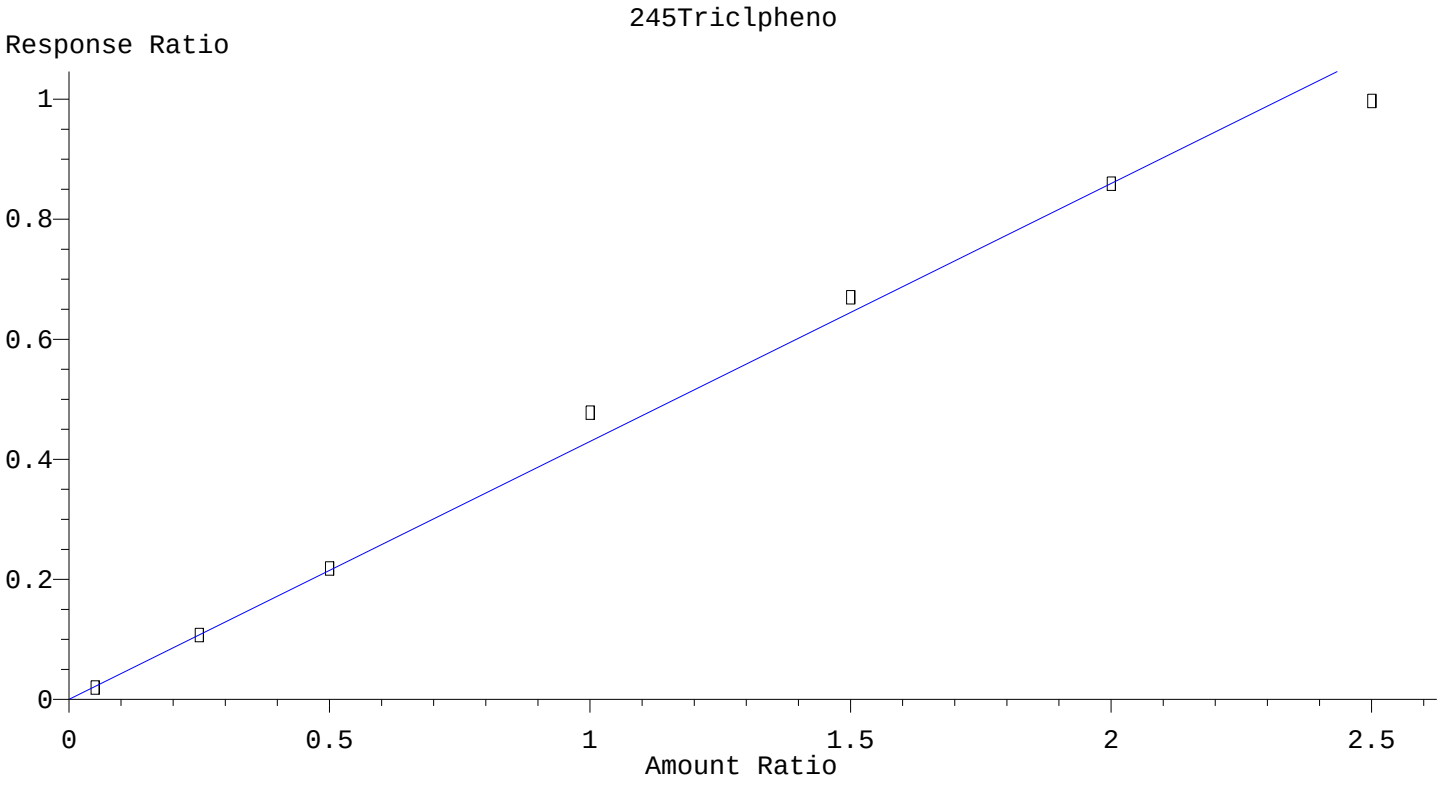
Resp Ratio = 2.92e-001 * Amt
RF Rel Std Dev = 15.5% Curve Fit: Avg RF



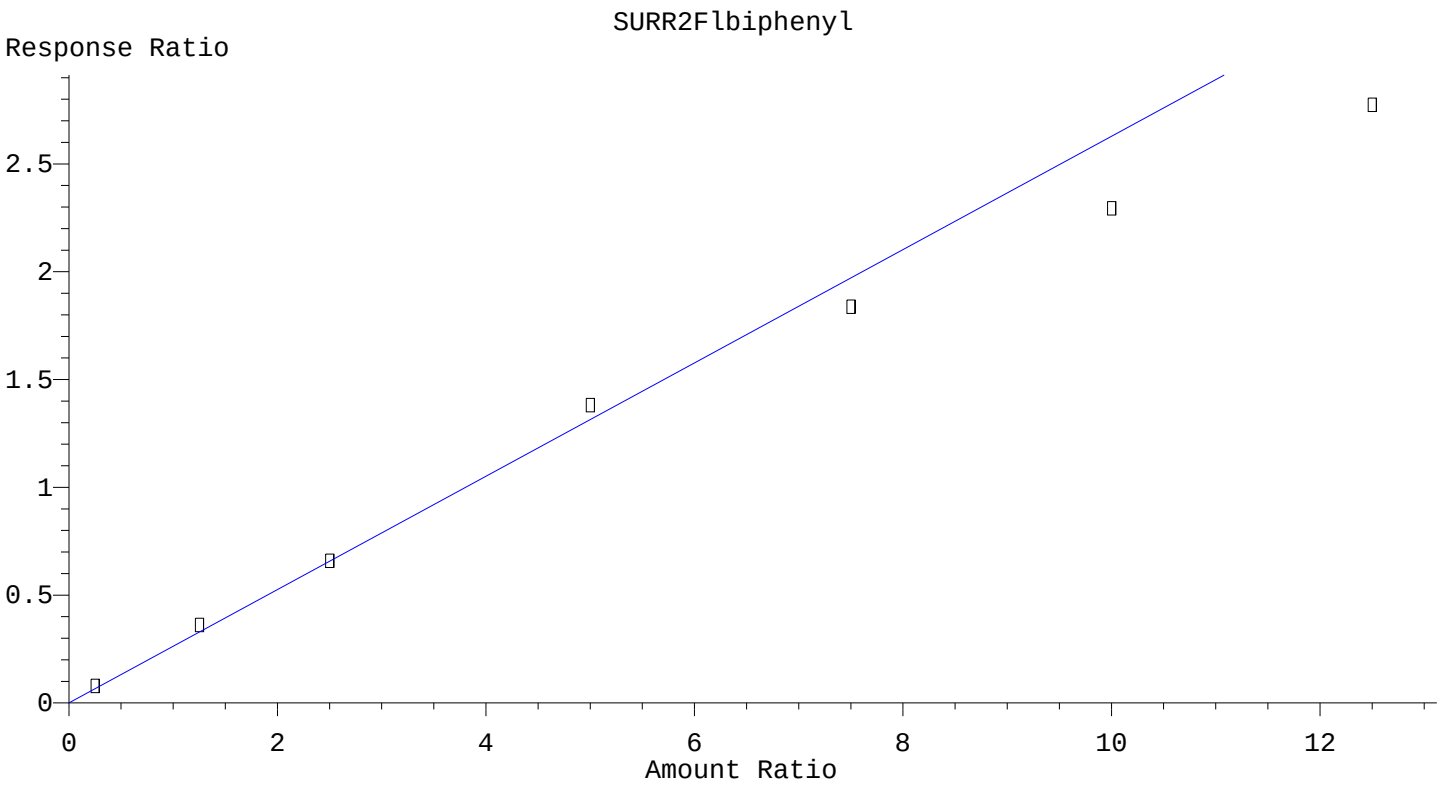
Resp Ratio = 6.15e-001 * Amt
RF Rel Std Dev = 13.7% Curve Fit: Avg RF



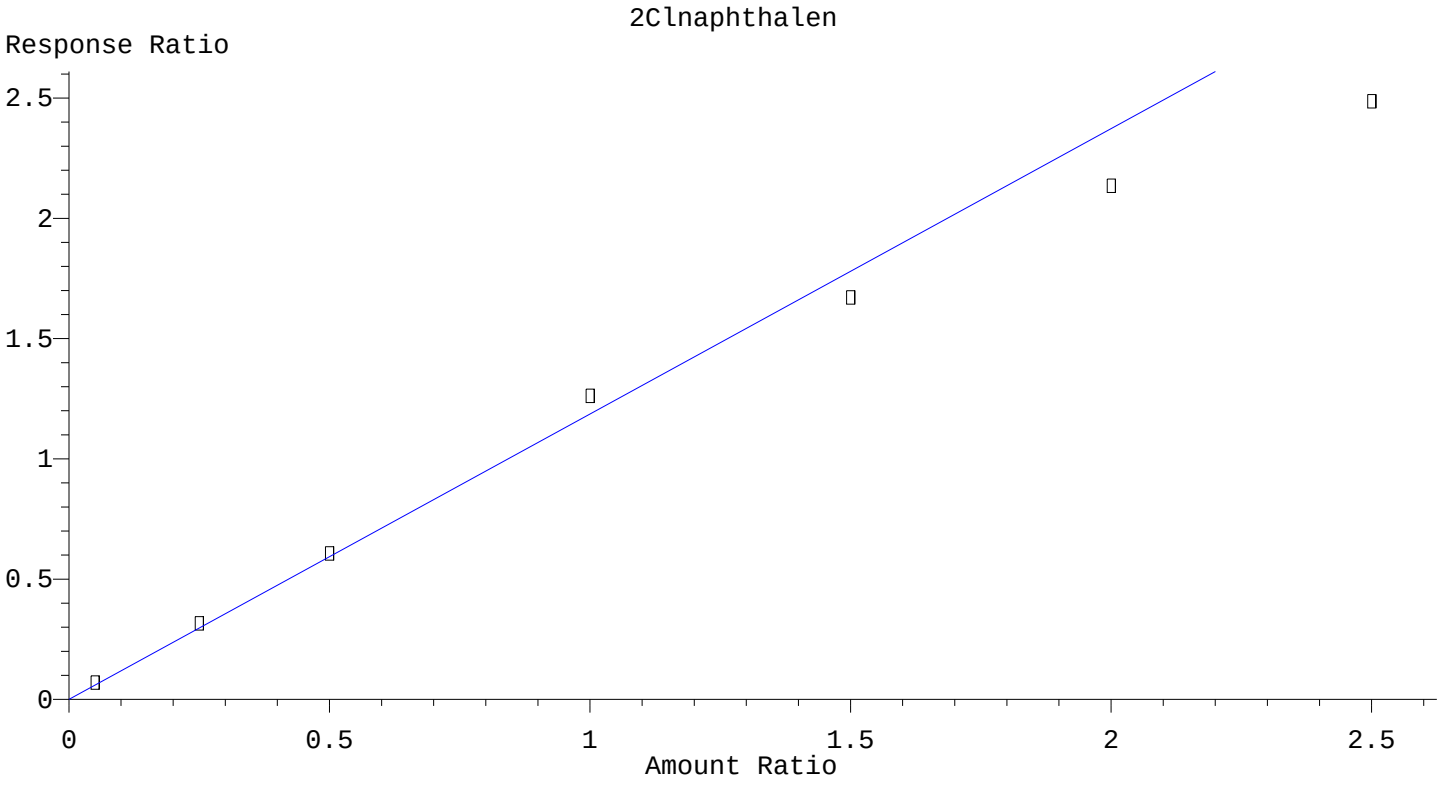
Resp Ratio = 3.93e-001 * Amt
RF Rel Std Dev = 4.3% Curve Fit: Avg RF



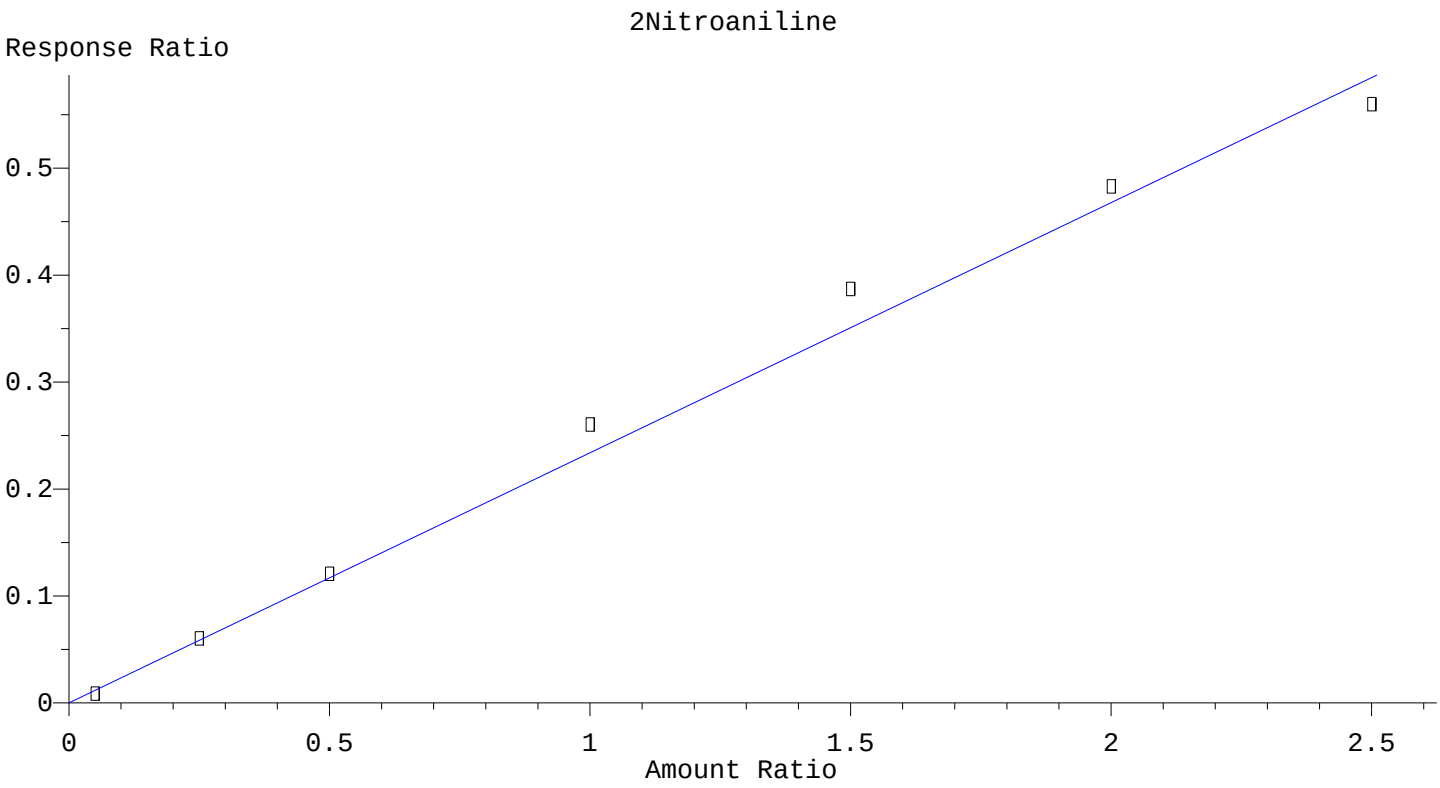
Resp Ratio = 4.30e-001 * Amt
RF Rel Std Dev = 6.6% Curve Fit: Avg RF



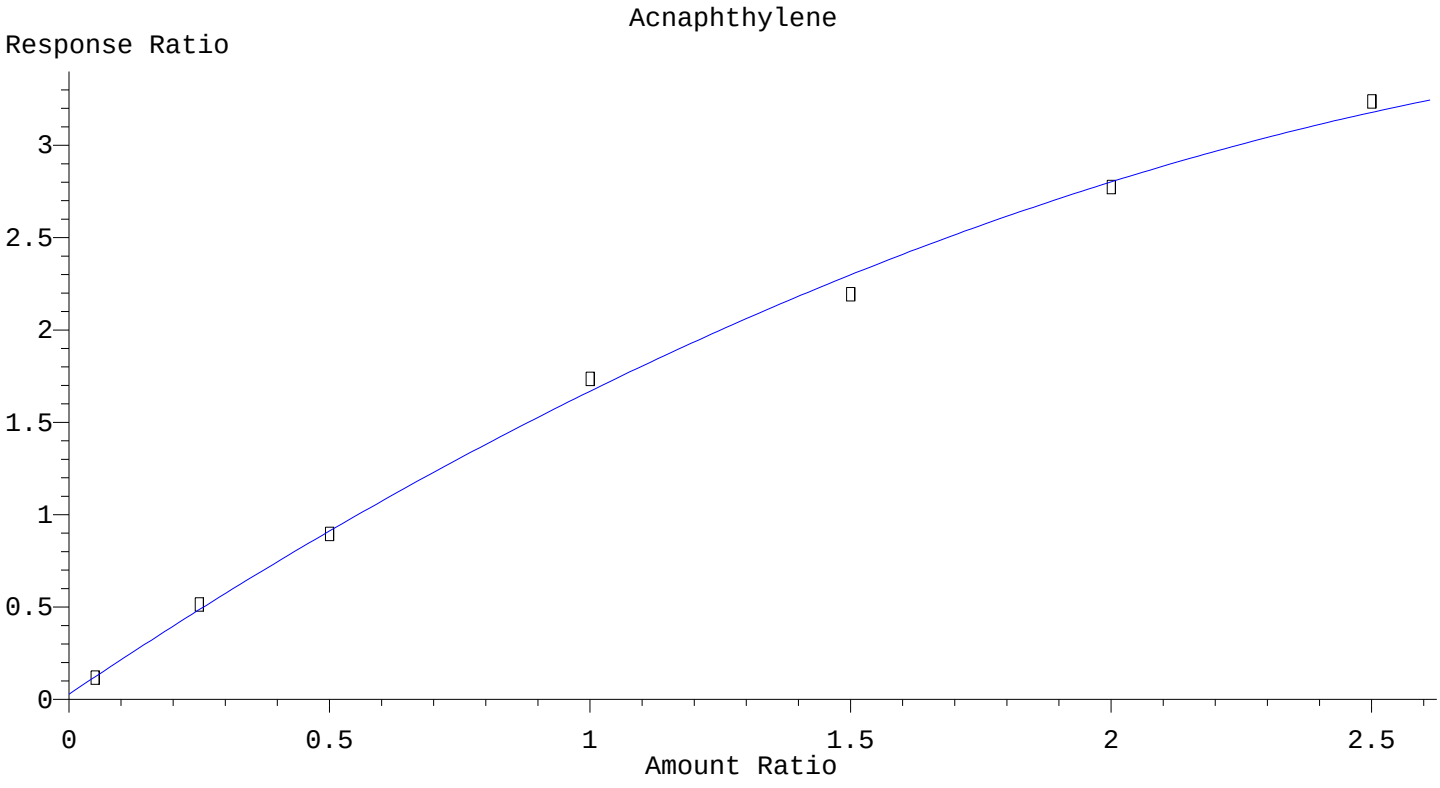
Resp Ratio = 2.63e-001 * Amt
RF Rel Std Dev = 12.7% Curve Fit: Avg RF



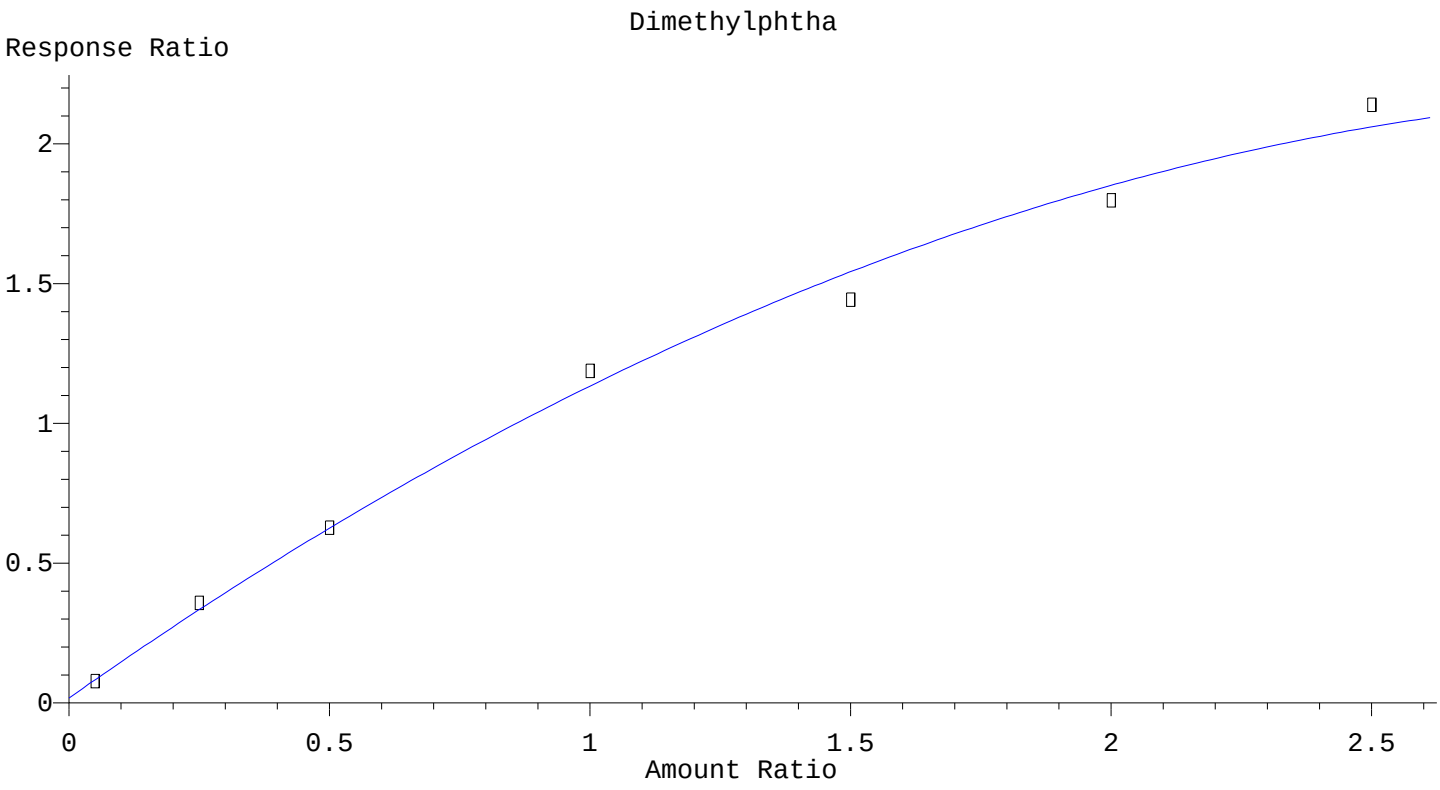
Resp Ratio = 1.19e+000 * Amt
RF Rel Std Dev = 11.5% Curve Fit: Avg RF



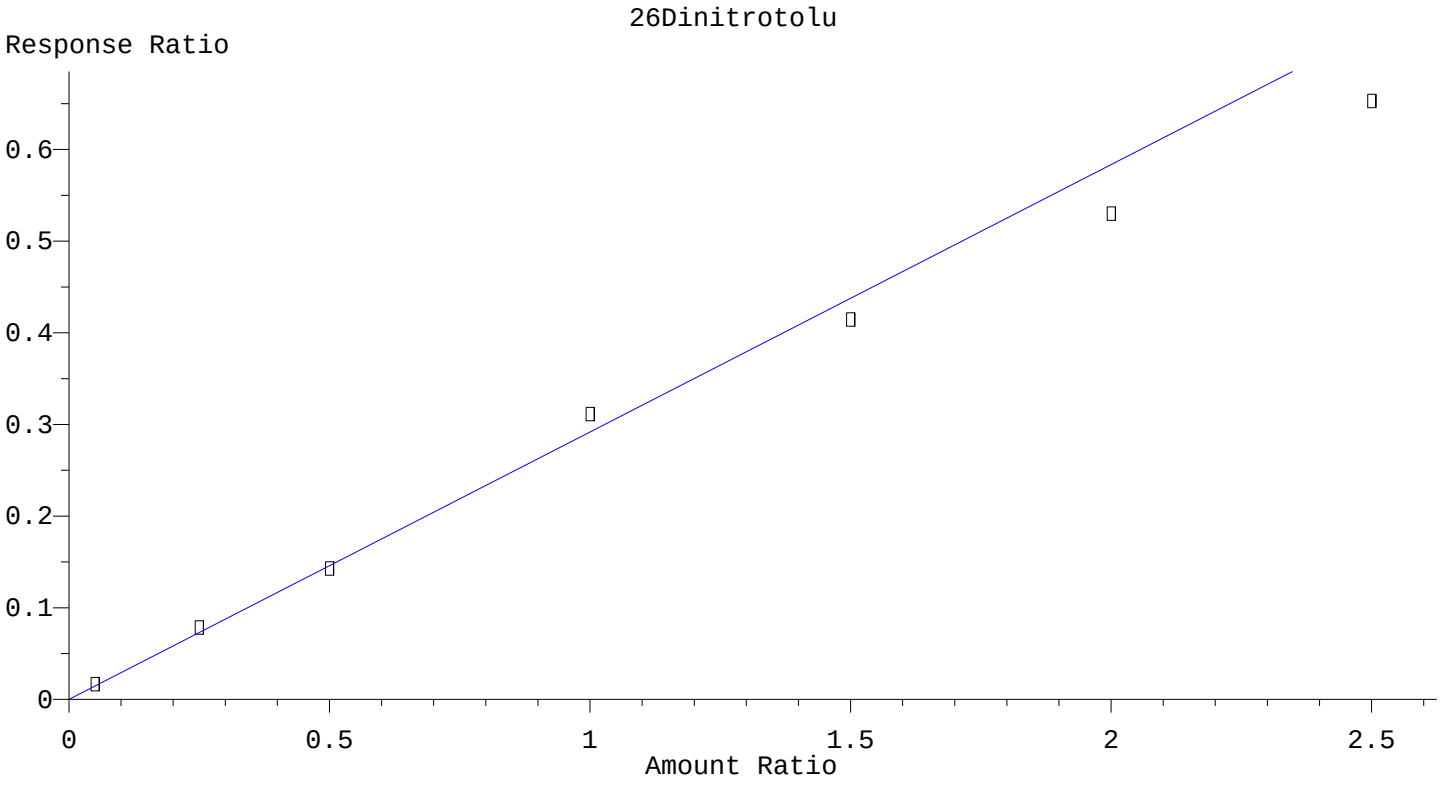
Resp Ratio = 2.34e-001 * Amt
RF Rel Std Dev = 12.6% Curve Fit: Avg RF



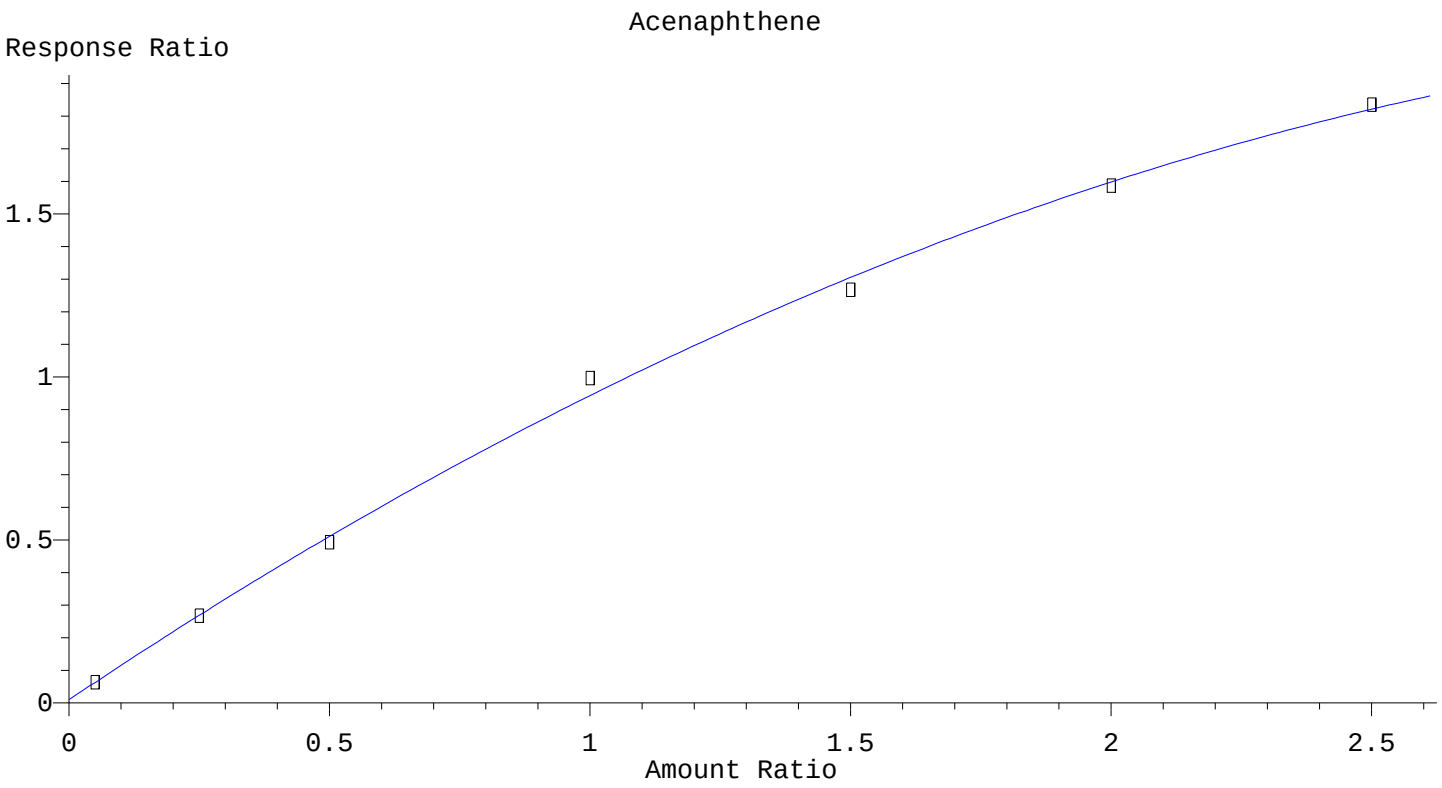
R = -2.53e-001 A*A + 1.89e+000 A + 2.82e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)



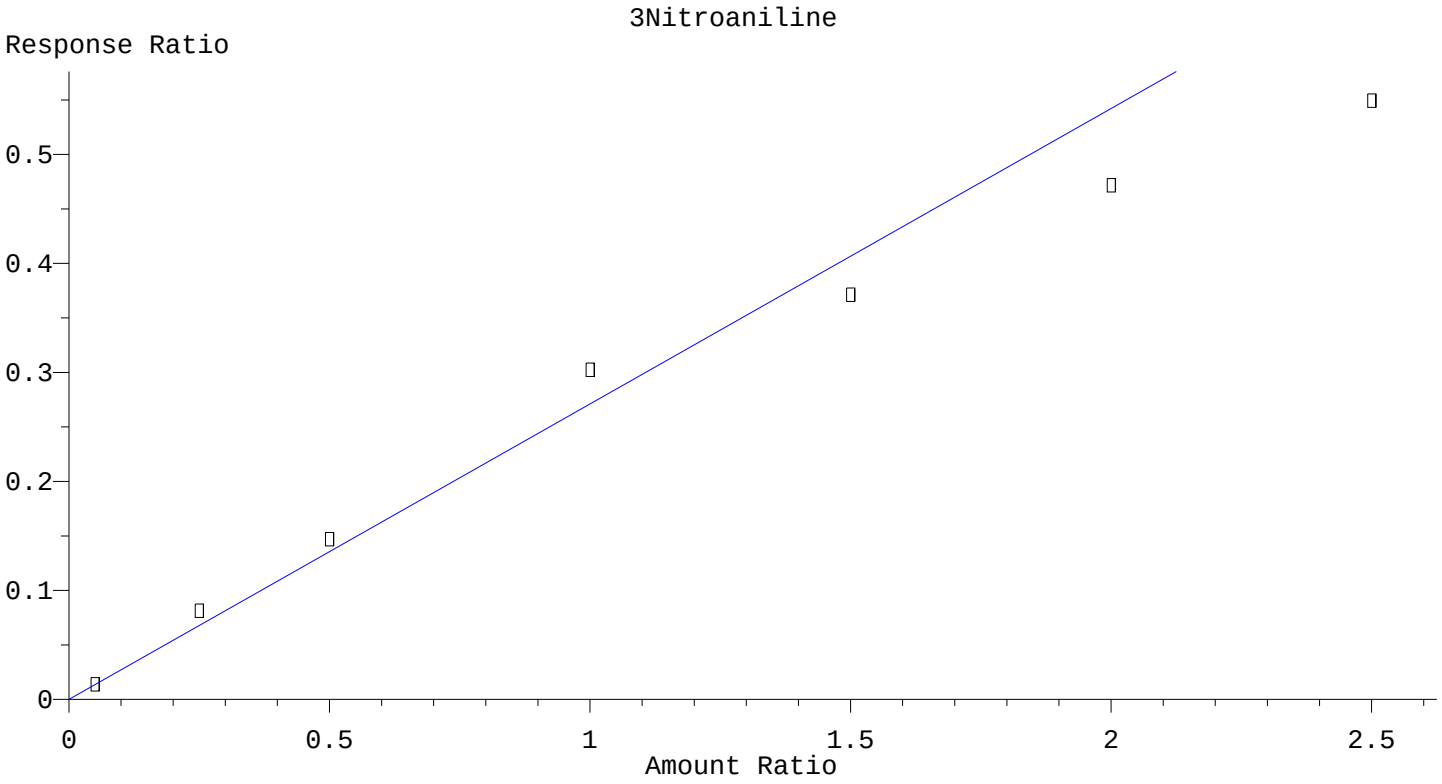
R = -1.99e-001 A*A + 1.32e+000 A + 1.70e-002
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a)



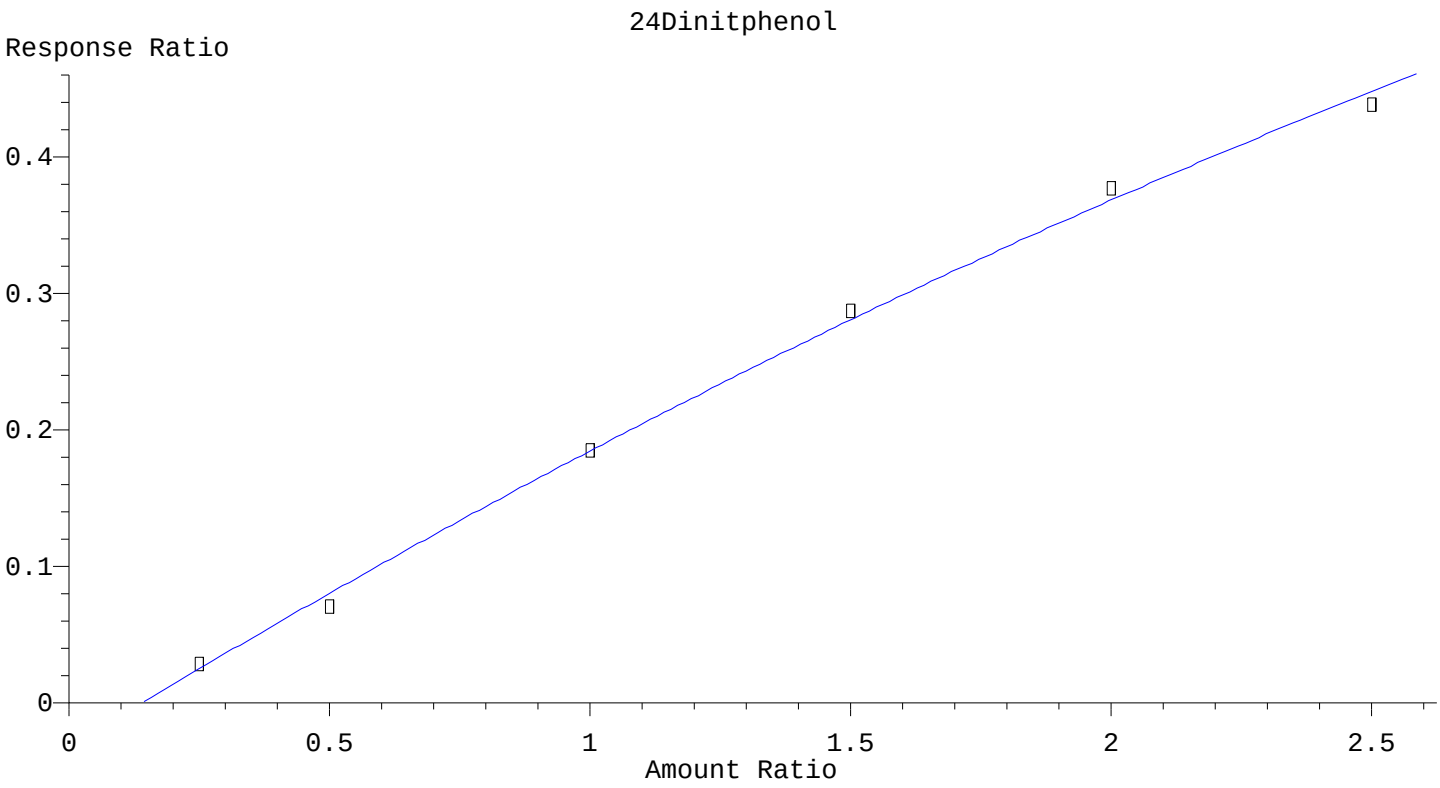
Resp Ratio = 2.92e-001 * Amt
RF Rel Std Dev = 9.2% Curve Fit: Avg RF



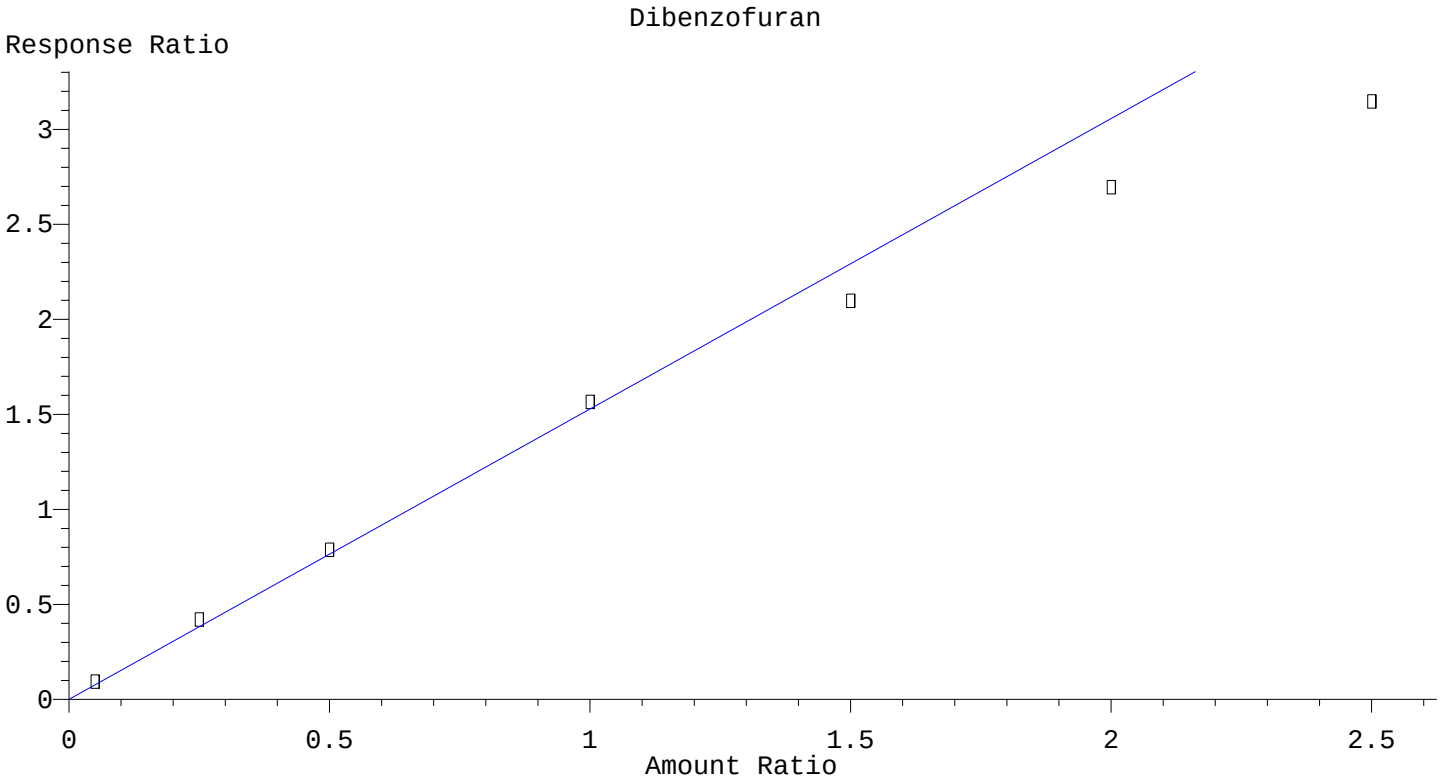
R = -1.39e-001 A*A + 1.07e+000 A + 9.54e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)



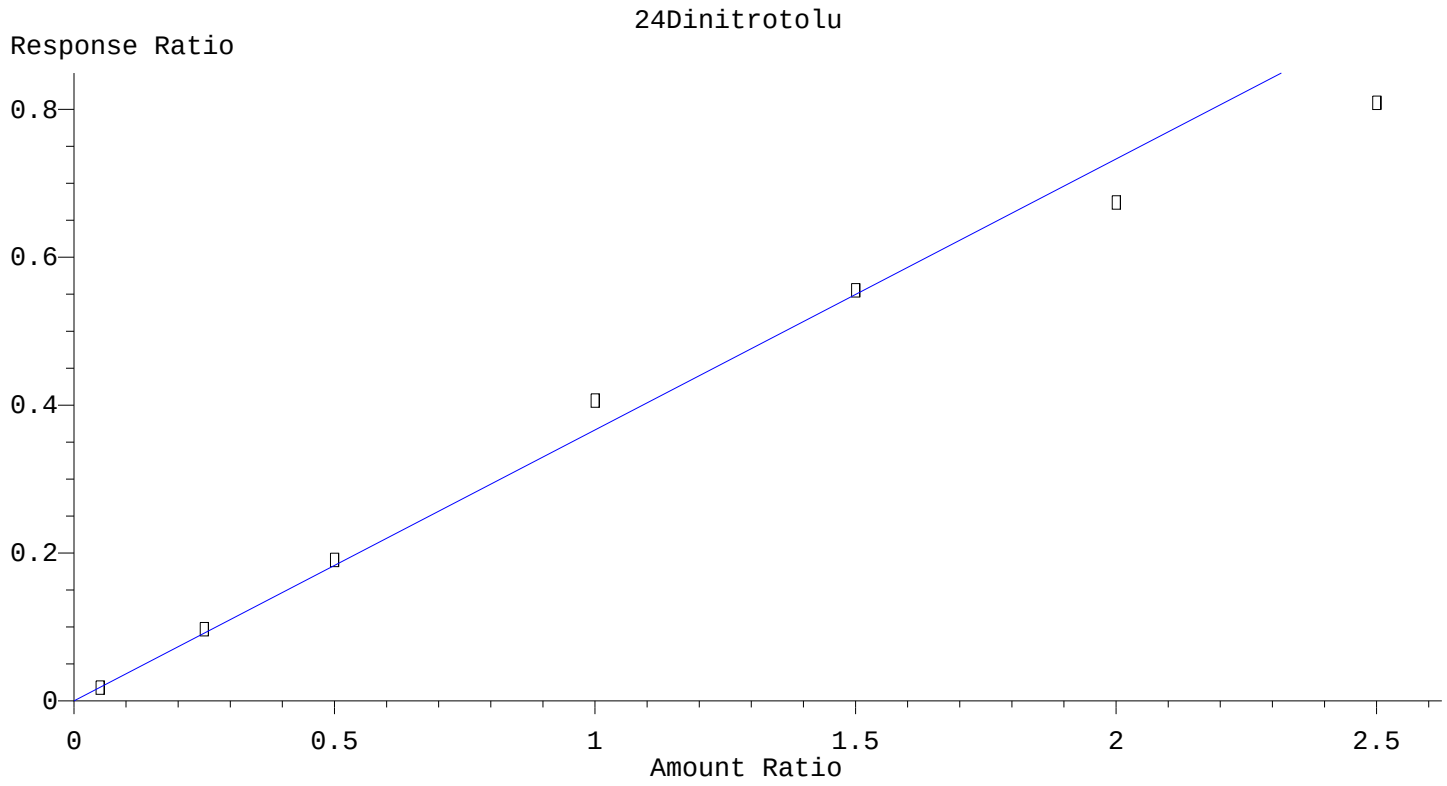
Resp Ratio = 2.71e-001 * Amt
RF Rel Std Dev = 14.2% Curve Fit: Avg RF



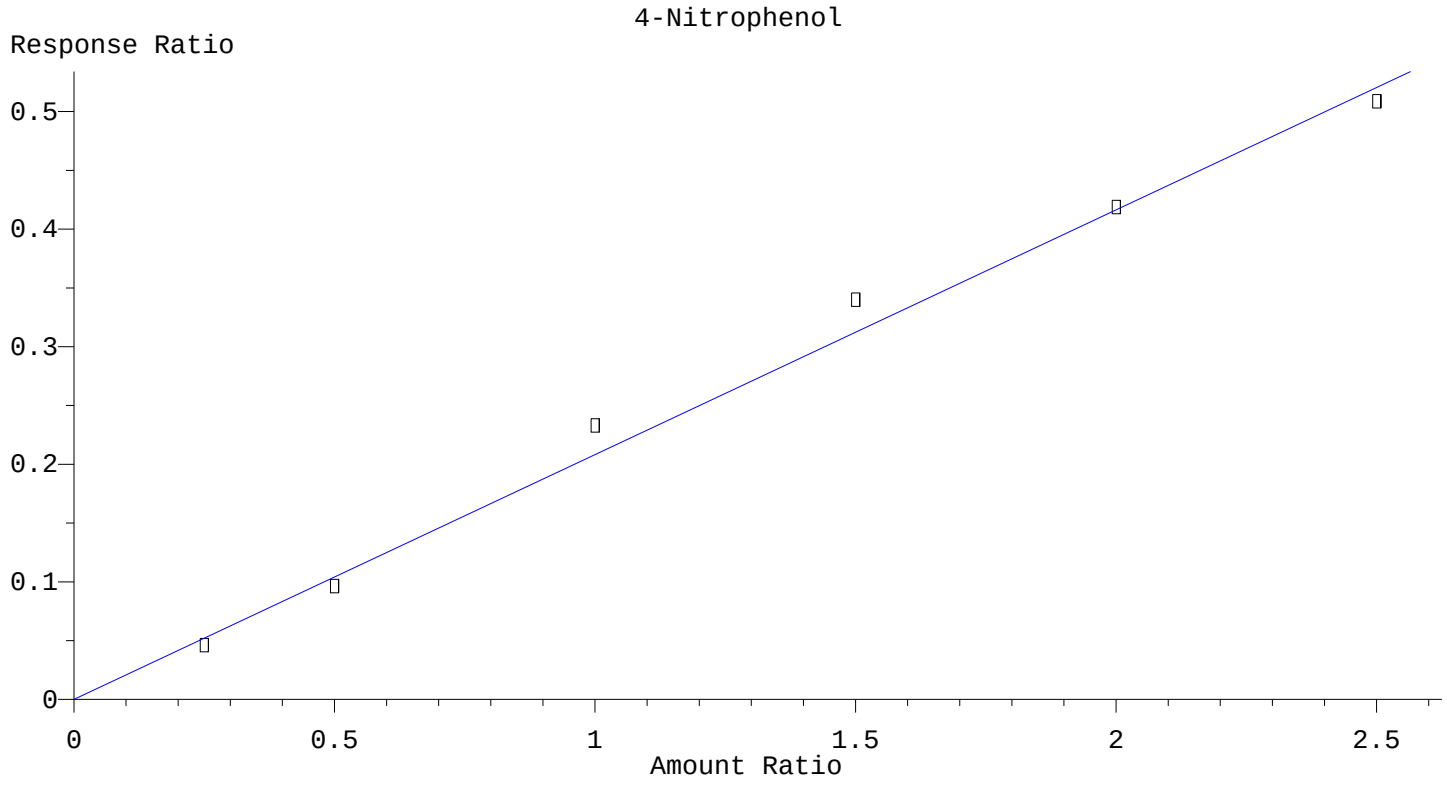
R = -1.66e-002 A*A + 2.34e-001 A - 3.24e-002
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a)



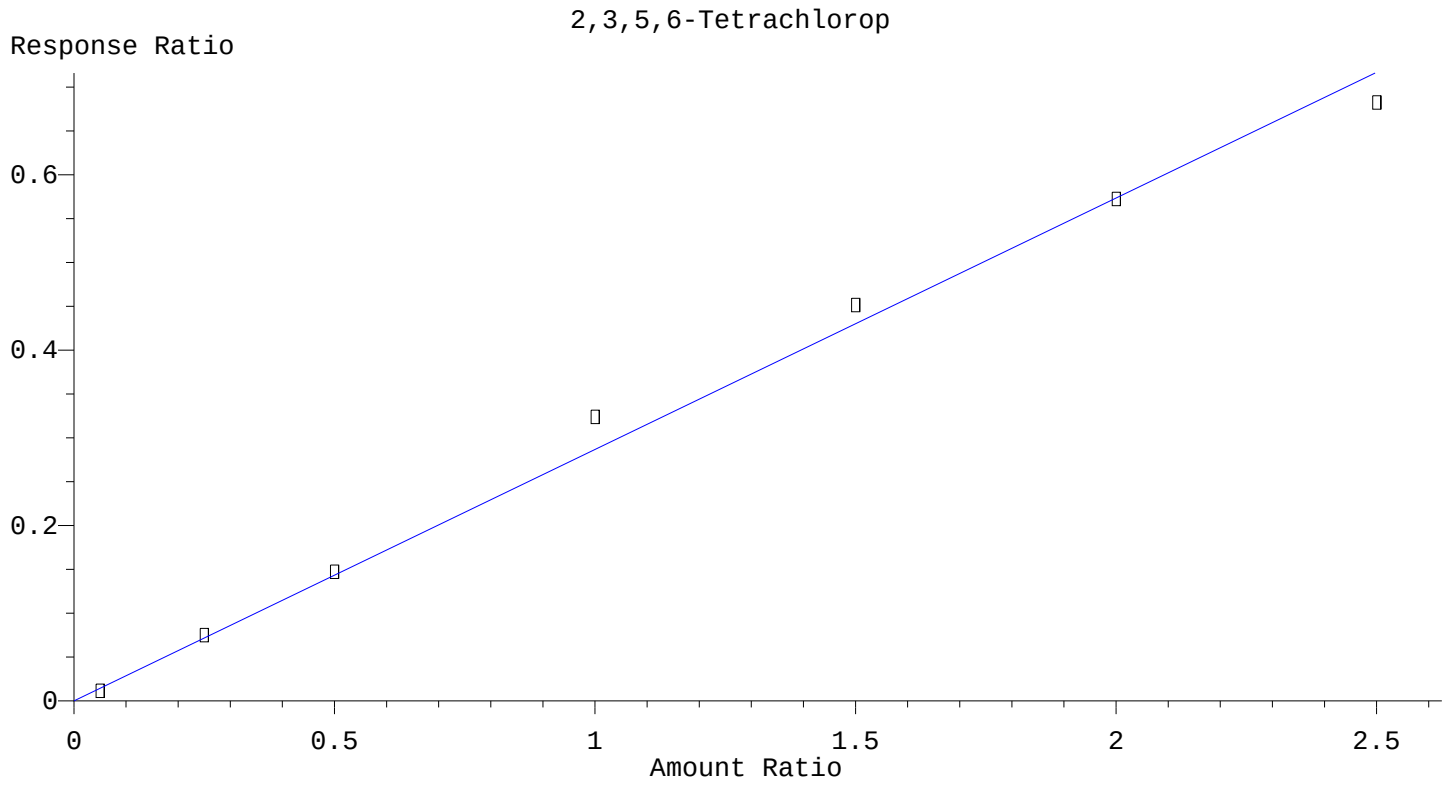
Resp Ratio = 1.53e+000 * Amt
RF Rel Std Dev = 13.8% Curve Fit: Avg RF



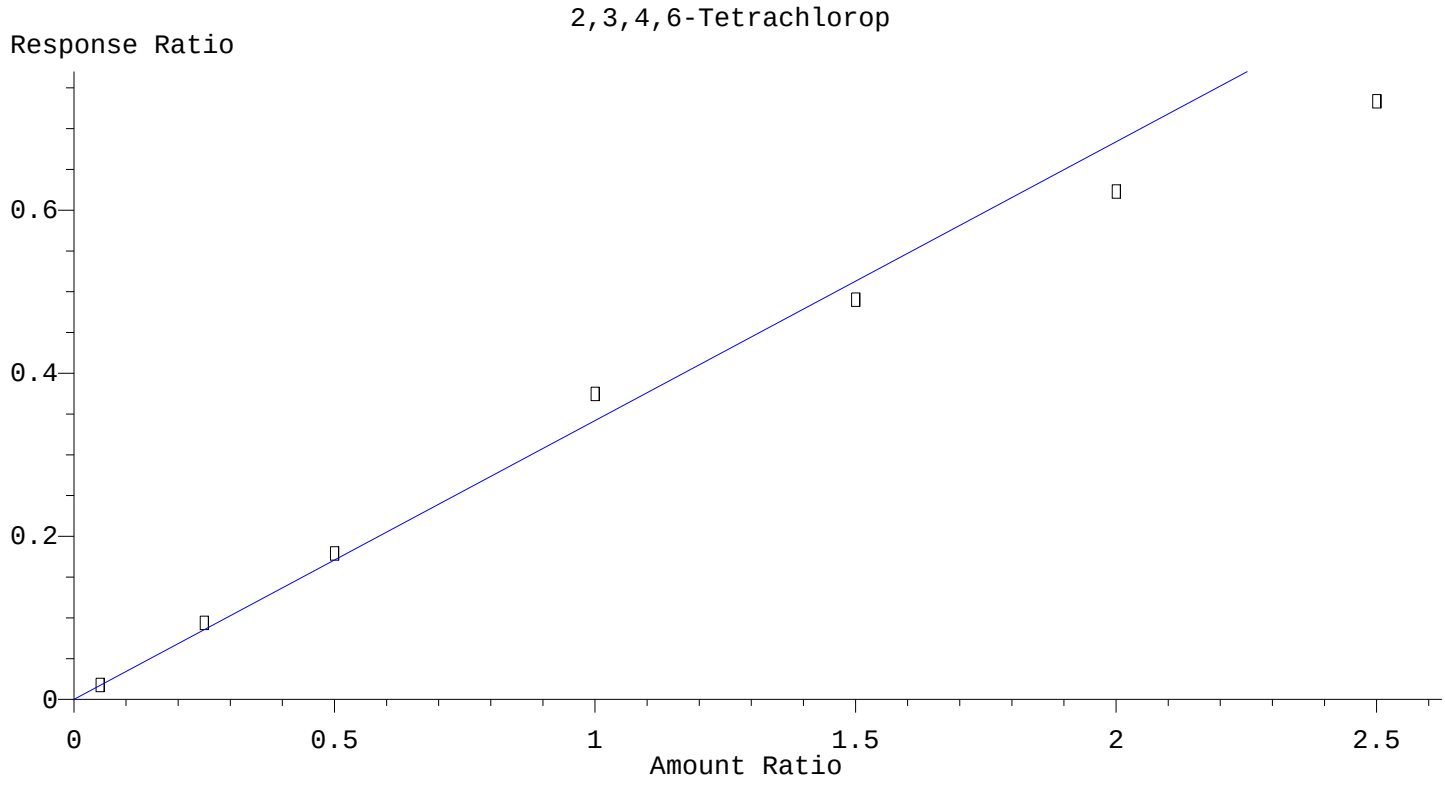
Resp Ratio = 3.66e-001 * Amt
RF Rel Std Dev = 7.9% Curve Fit: Avg RF



Resp Ratio = 2.08e-001 * Amt
RF Rel Std Dev = 9.1% Curve Fit: Avg RF

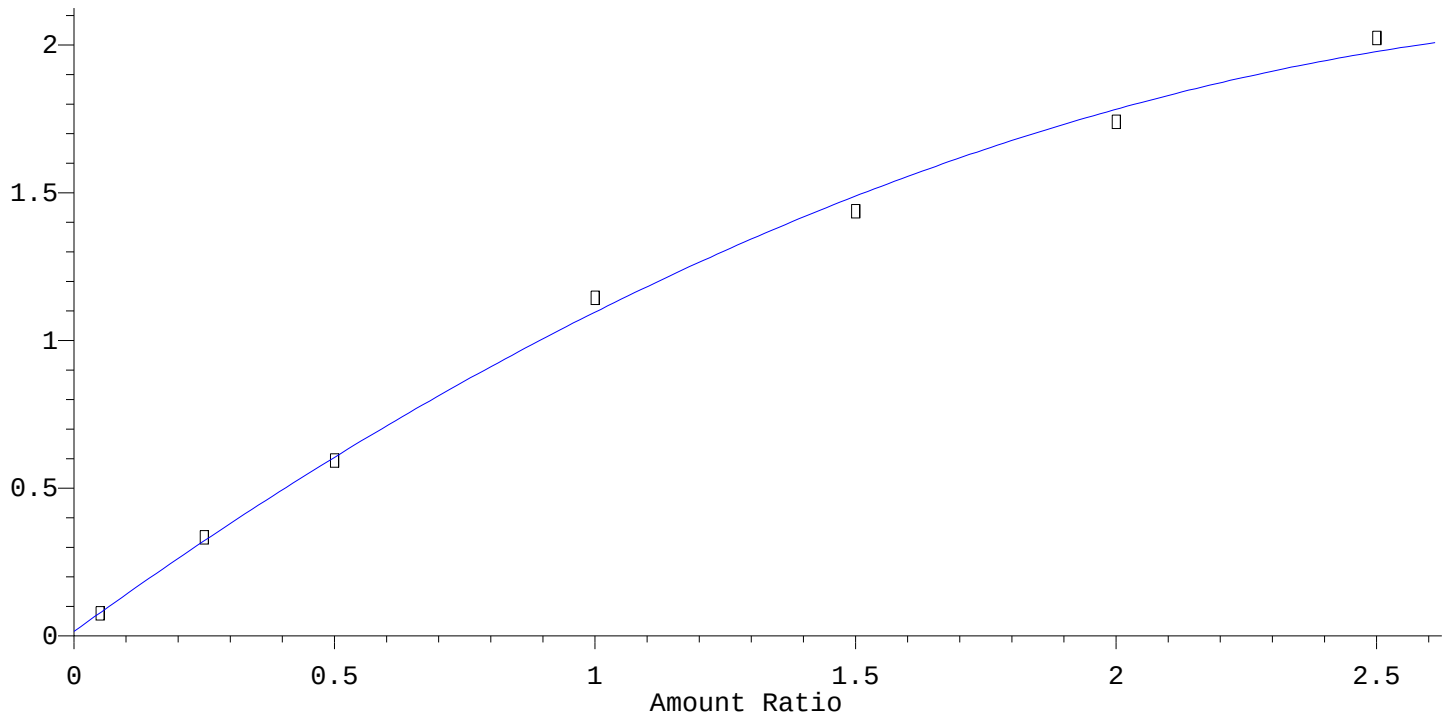


Resp Ratio = 2.87e-001 * Amt
RF Rel Std Dev = 10.3% Curve Fit: Avg RF



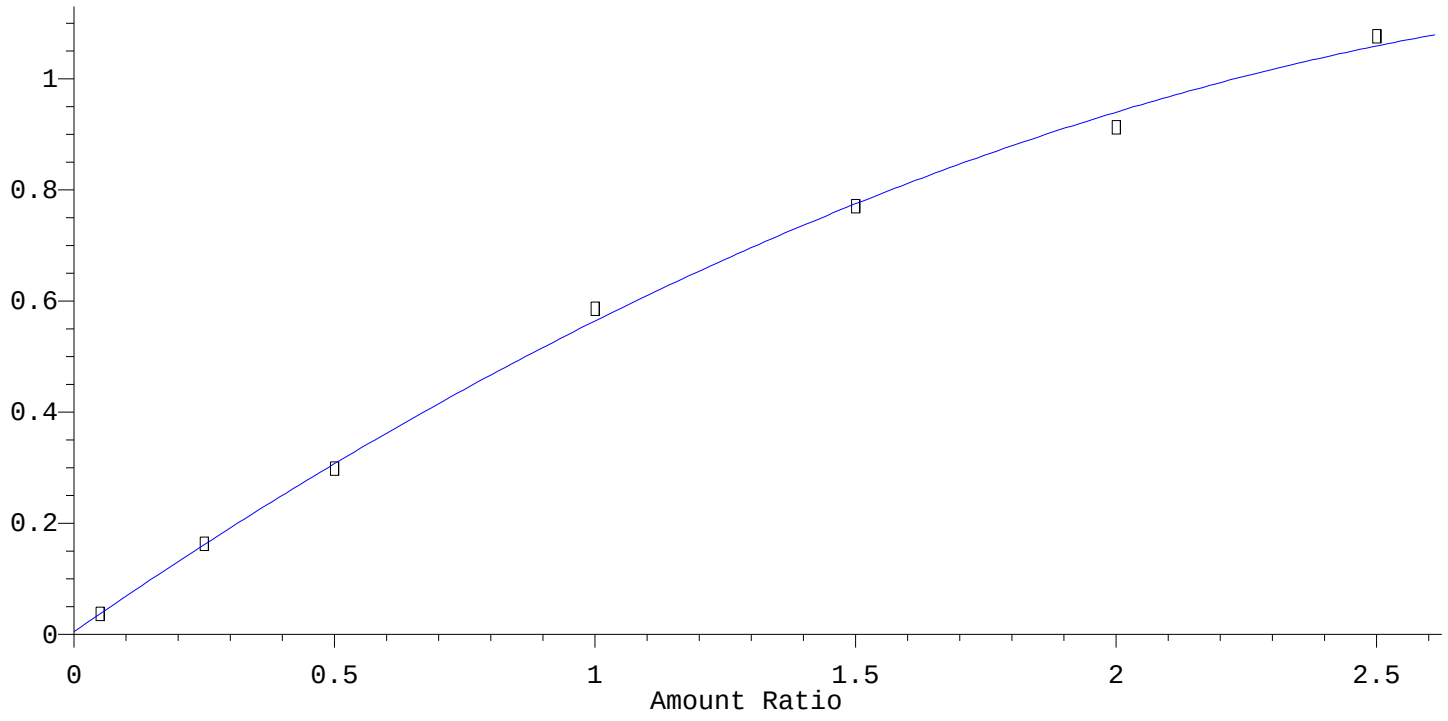
Resp Ratio = 3.42e-001 * Amt
RF Rel Std Dev = 9.3% Curve Fit: Avg RF

Fluorene



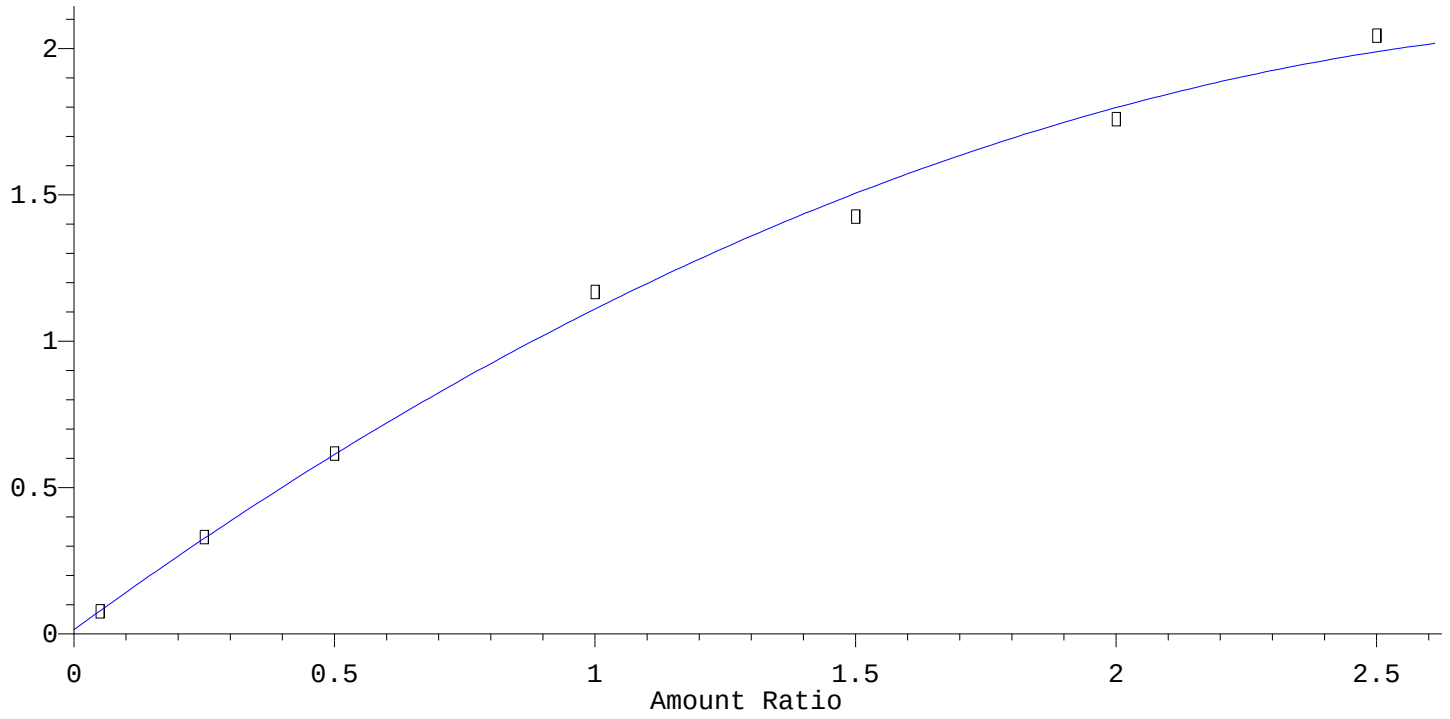
R = -1.97e-001 A*A + 1.28e+000 A + 1.47e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)

4Clphlphlethr



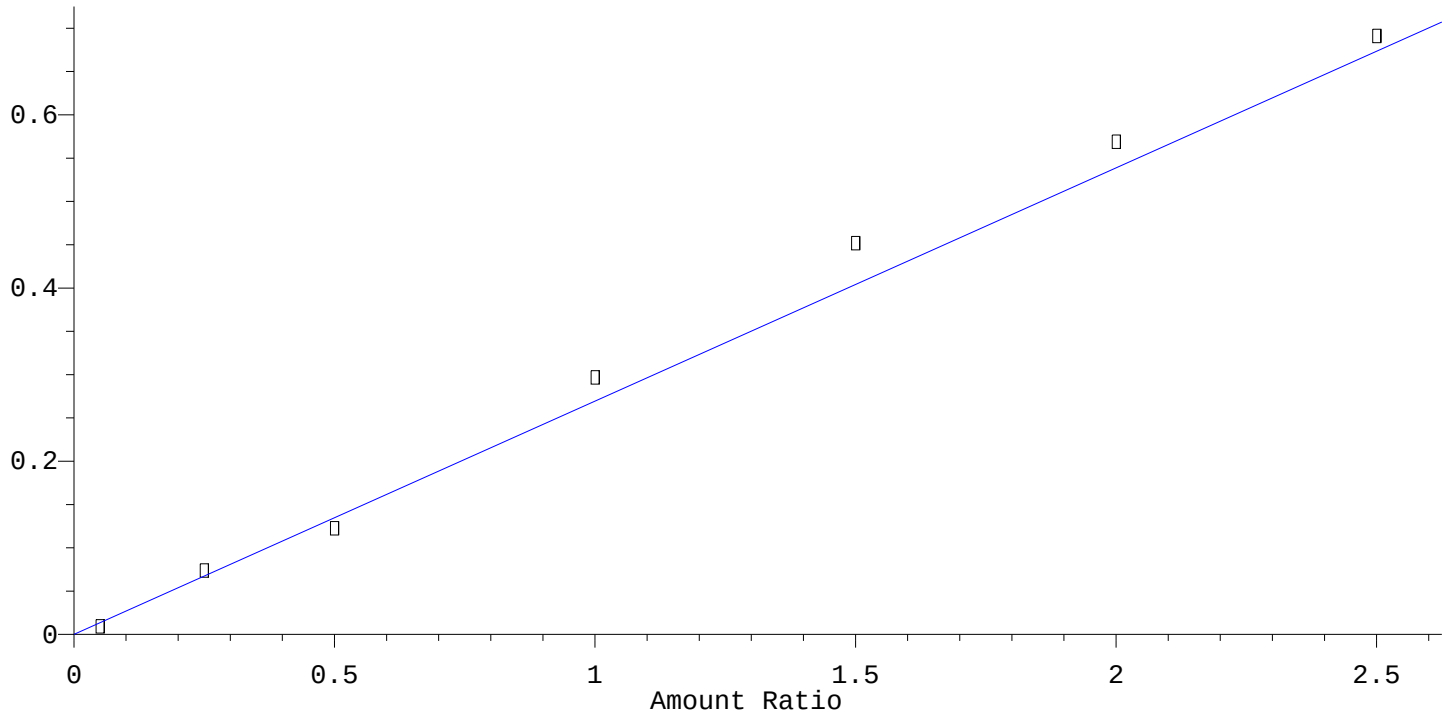
R = -9.18e-002 A*A + 6.51e-001 A + 4.56e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)

Diethylphthal

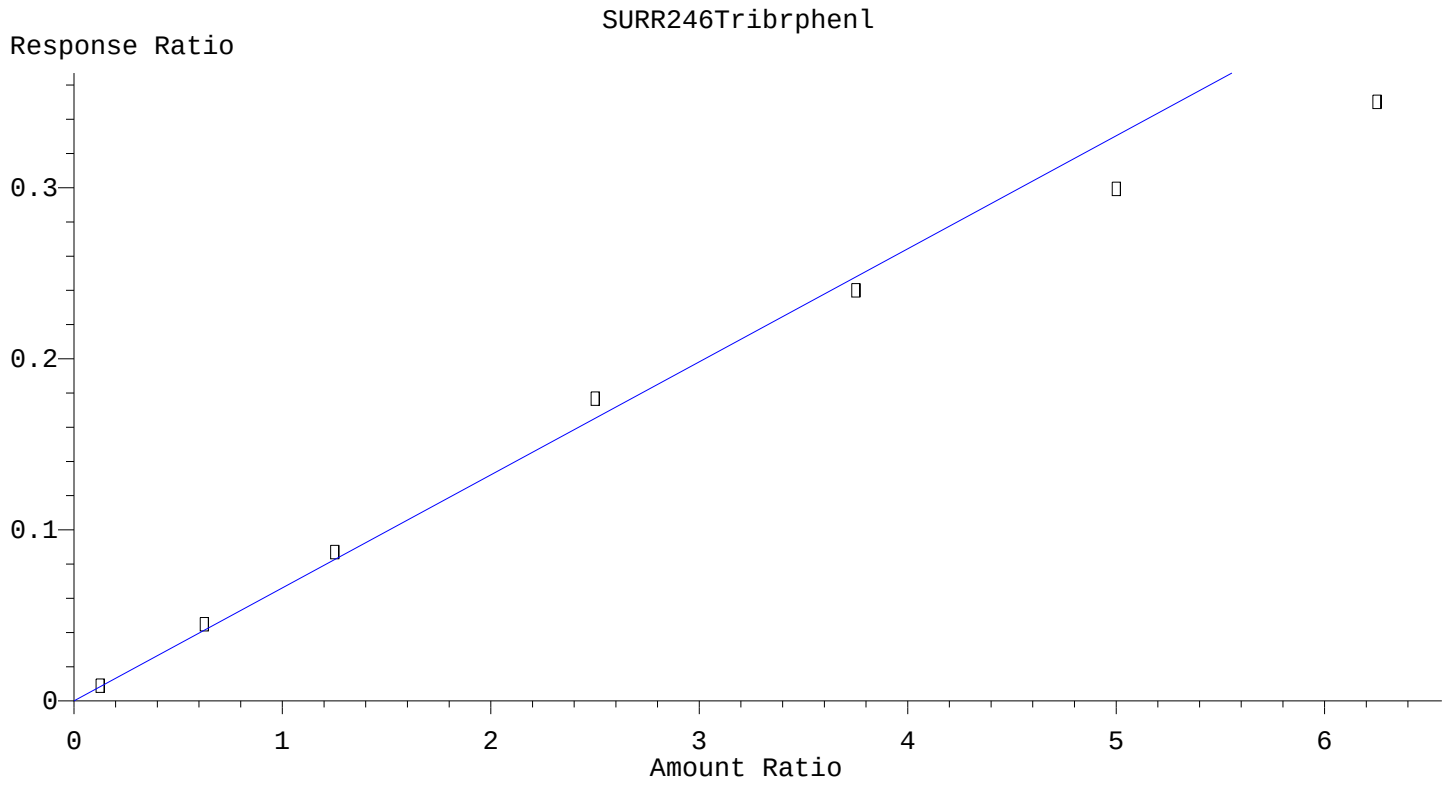


R = -2.04e-001 A*A + 1.30e+000 A + 1.41e-002
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a)

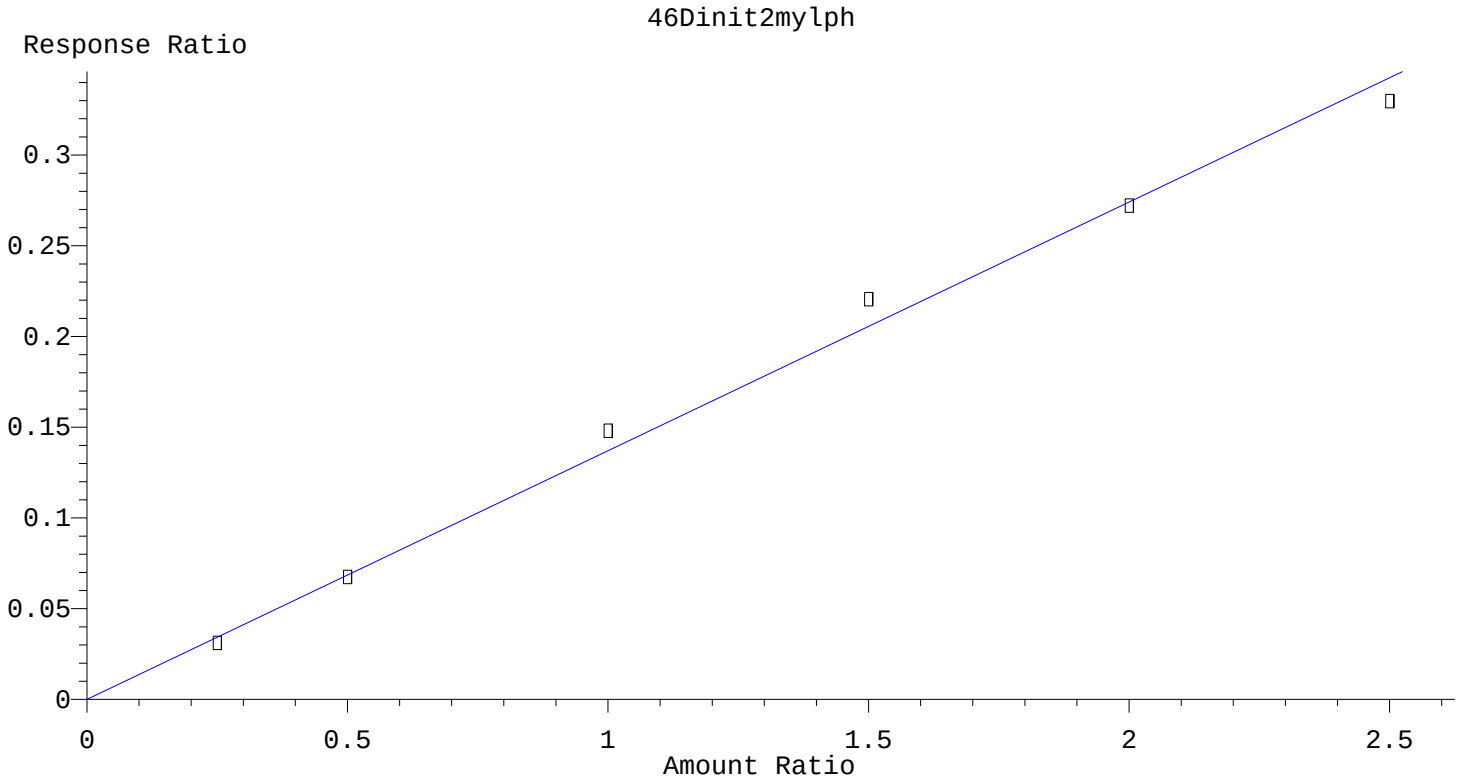
4Nitroaniline



Resp Ratio = 2.69e-001 * Amt
RF Rel Std Dev = 15.3% Curve Fit: Avg RF

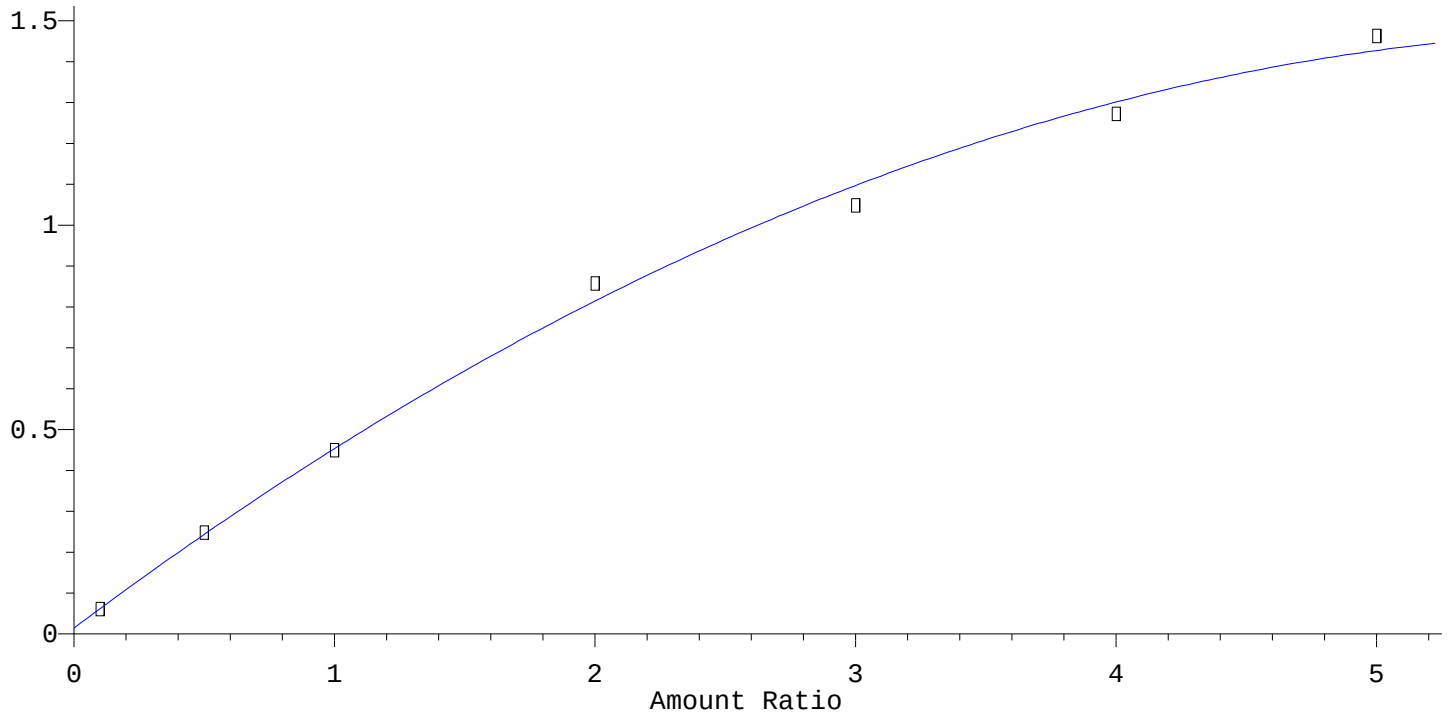


Resp Ratio = 6.62e-002 * Amt
RF Rel Std Dev = 9.5% Curve Fit: Avg RF



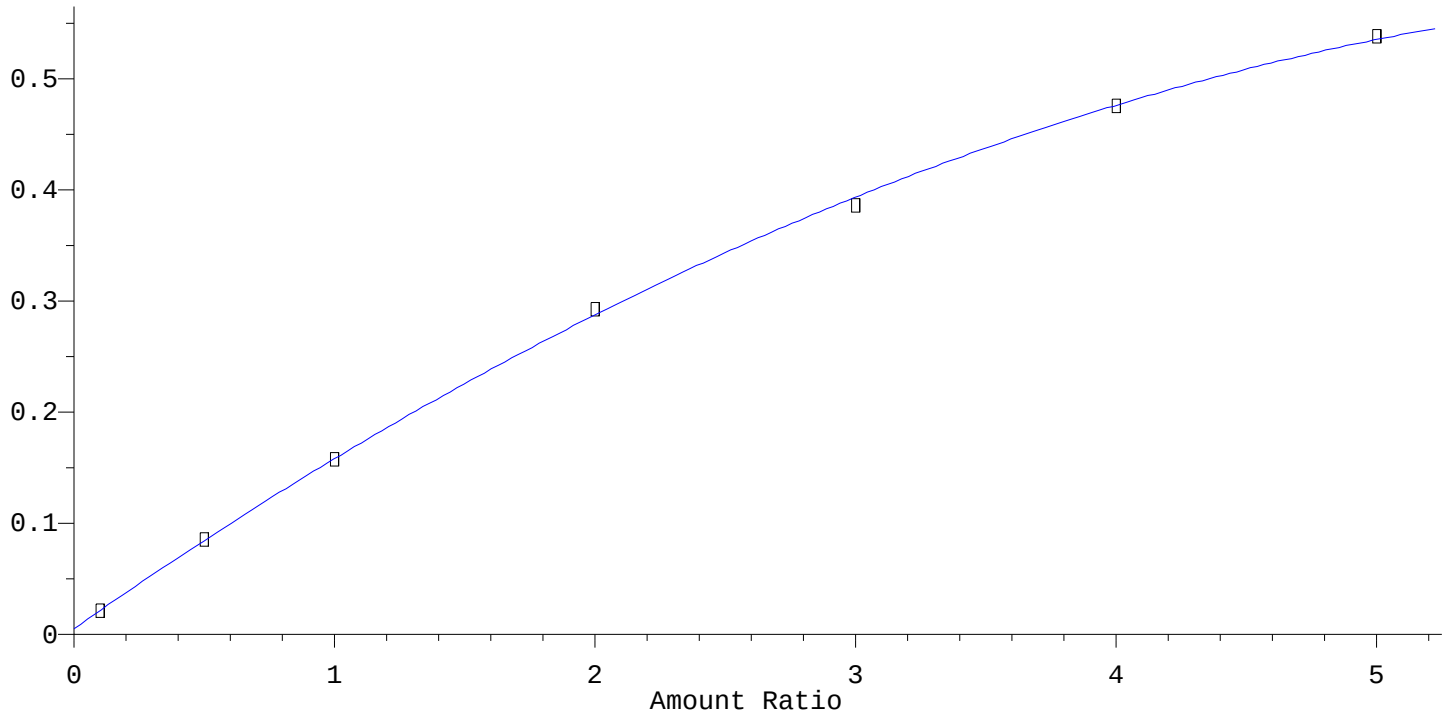
Resp Ratio = 1.37e-001 * Amt
RF Rel Std Dev = 6.6% Curve Fit: Avg RF

Ntrsdiphlam&Diphlam

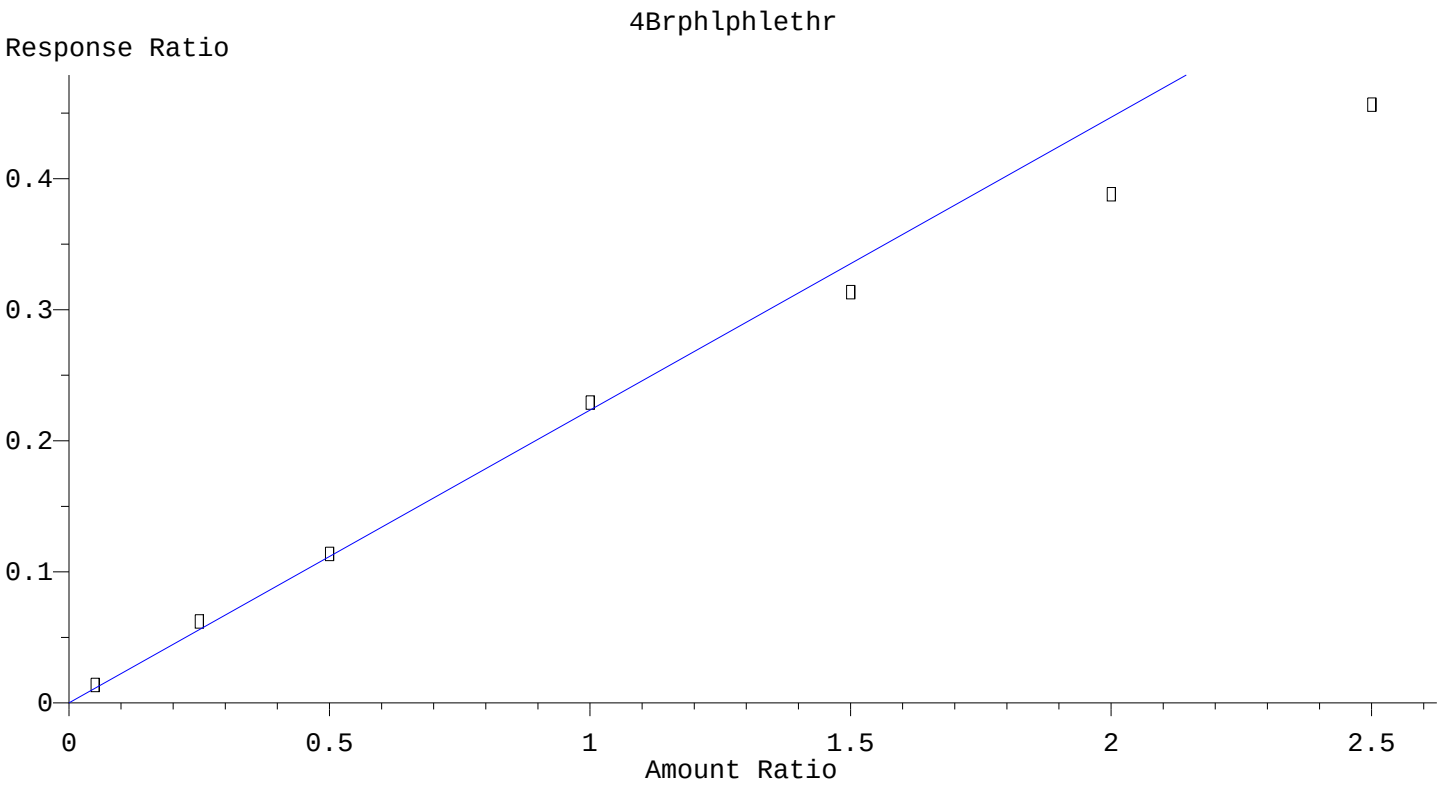


R = -3.92e-002 A*A + 4.79e-001 A + 1.41e-002
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a)

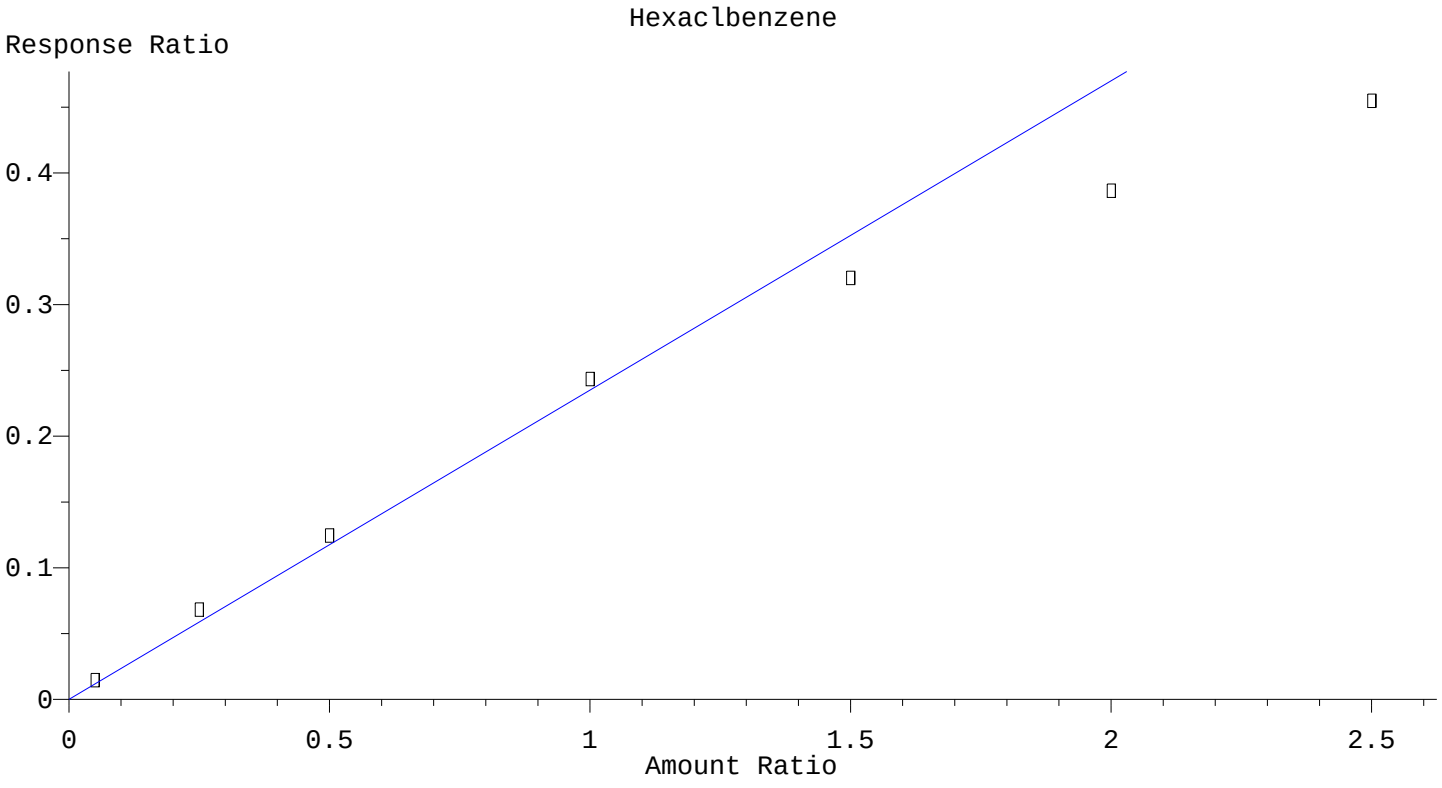
Azobenz&12Diphlhyd



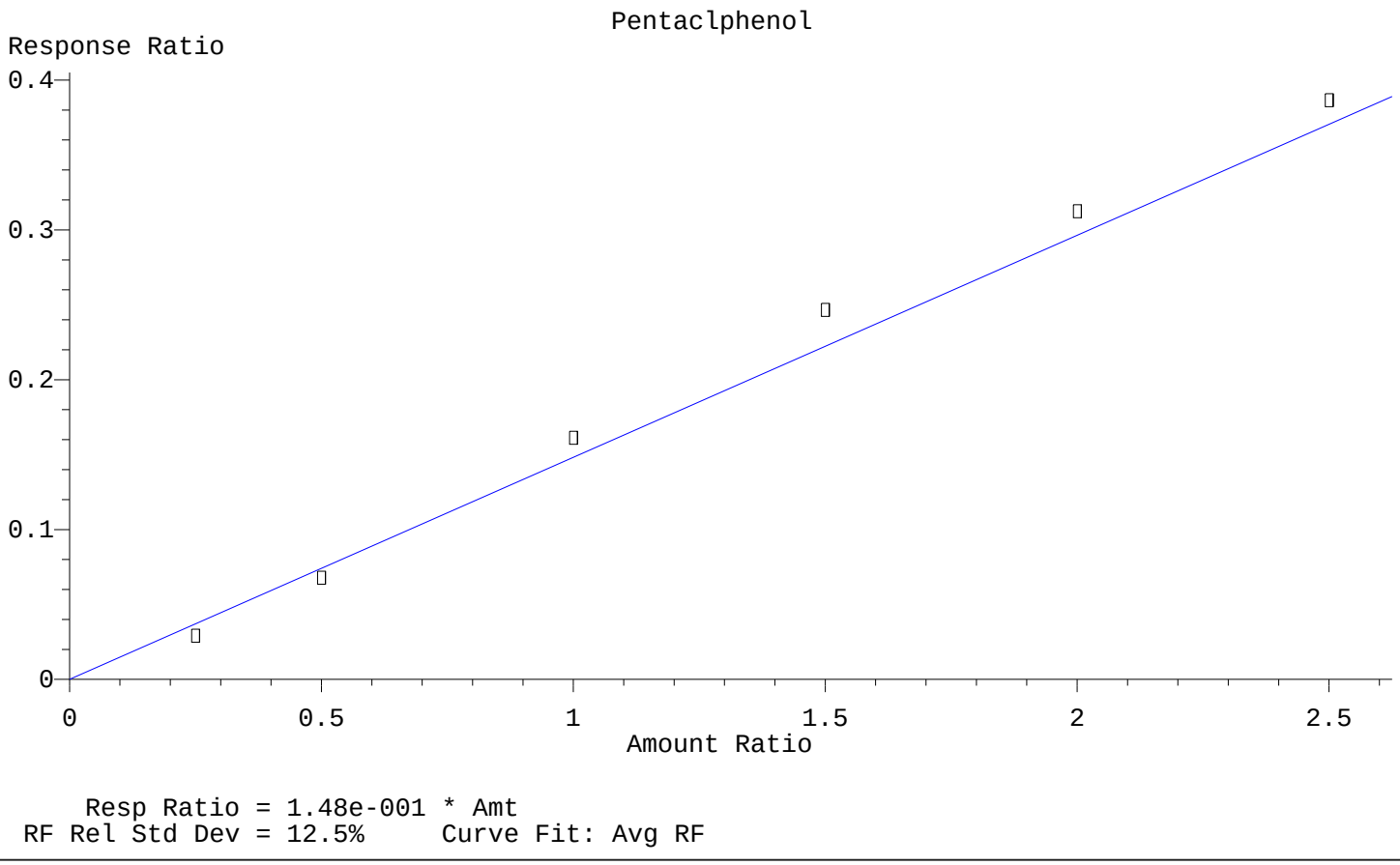
R = -1.17e-002 A*A + 1.65e-001 A + 5.16e-003
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a)



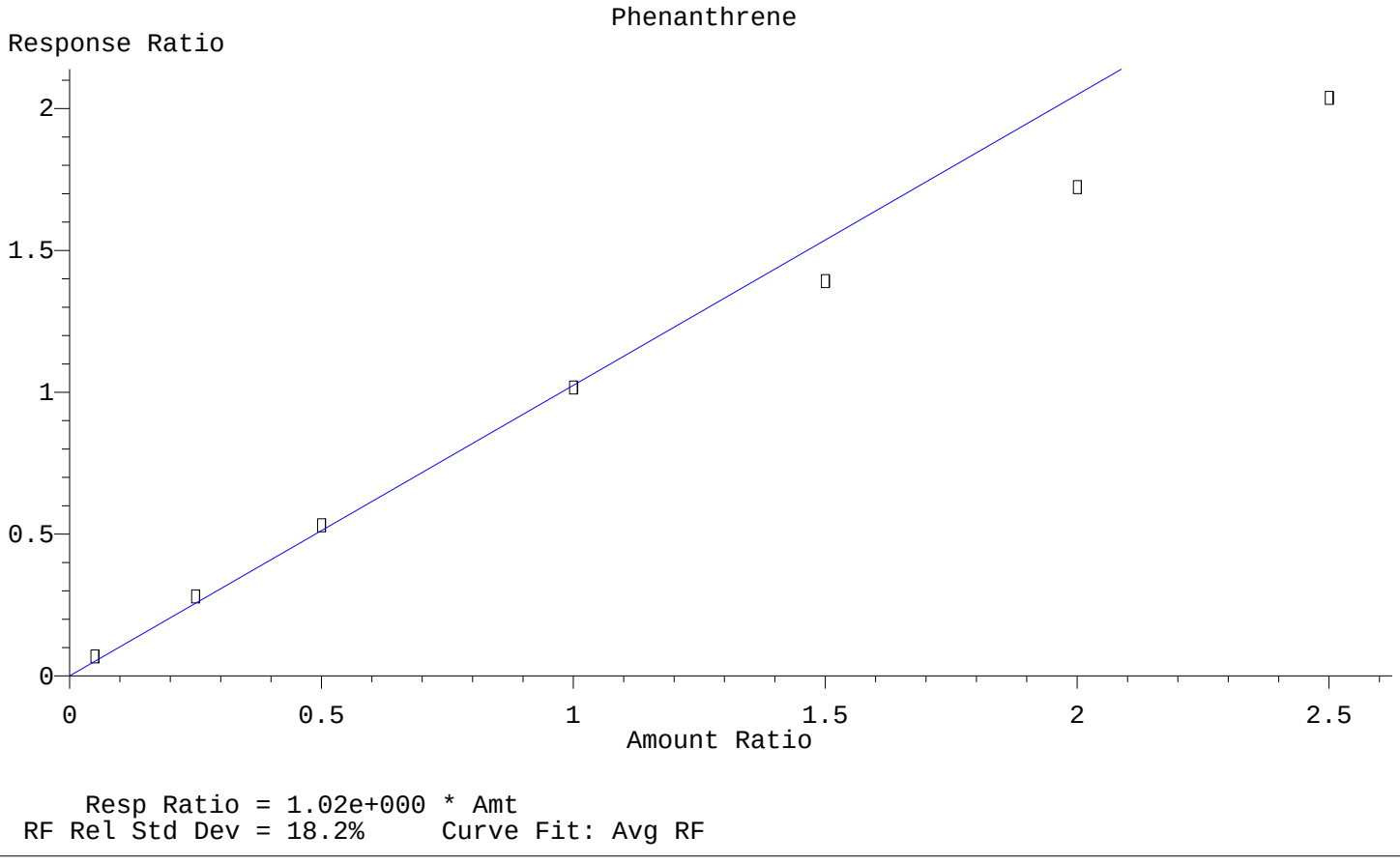
Resp Ratio = 2.23e-001 * Amt
RF Rel Std Dev = 14.1% Curve Fit: Avg RF



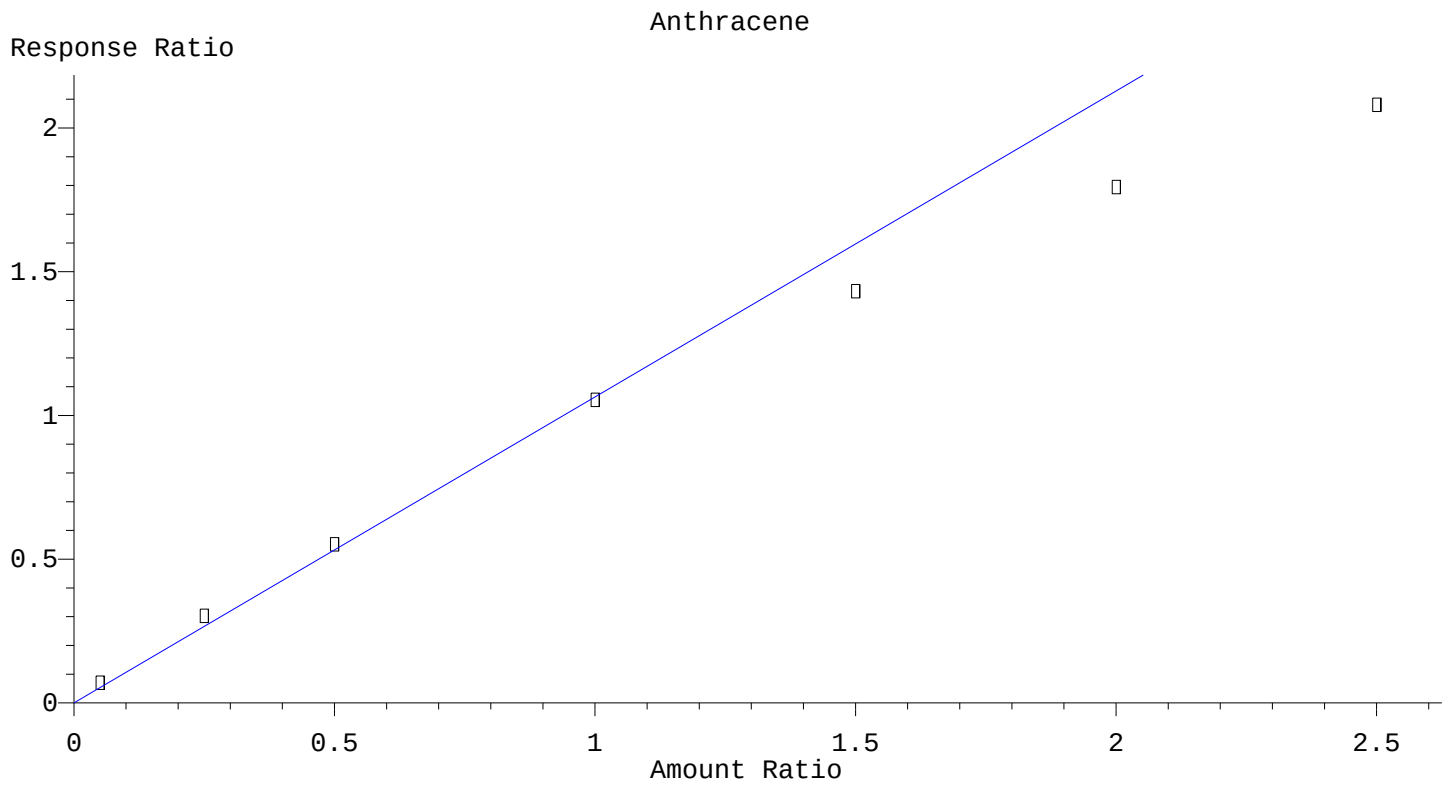
Resp Ratio = 2.35e-001 * Amt
RF Rel Std Dev = 17.4% Curve Fit: Avg RF



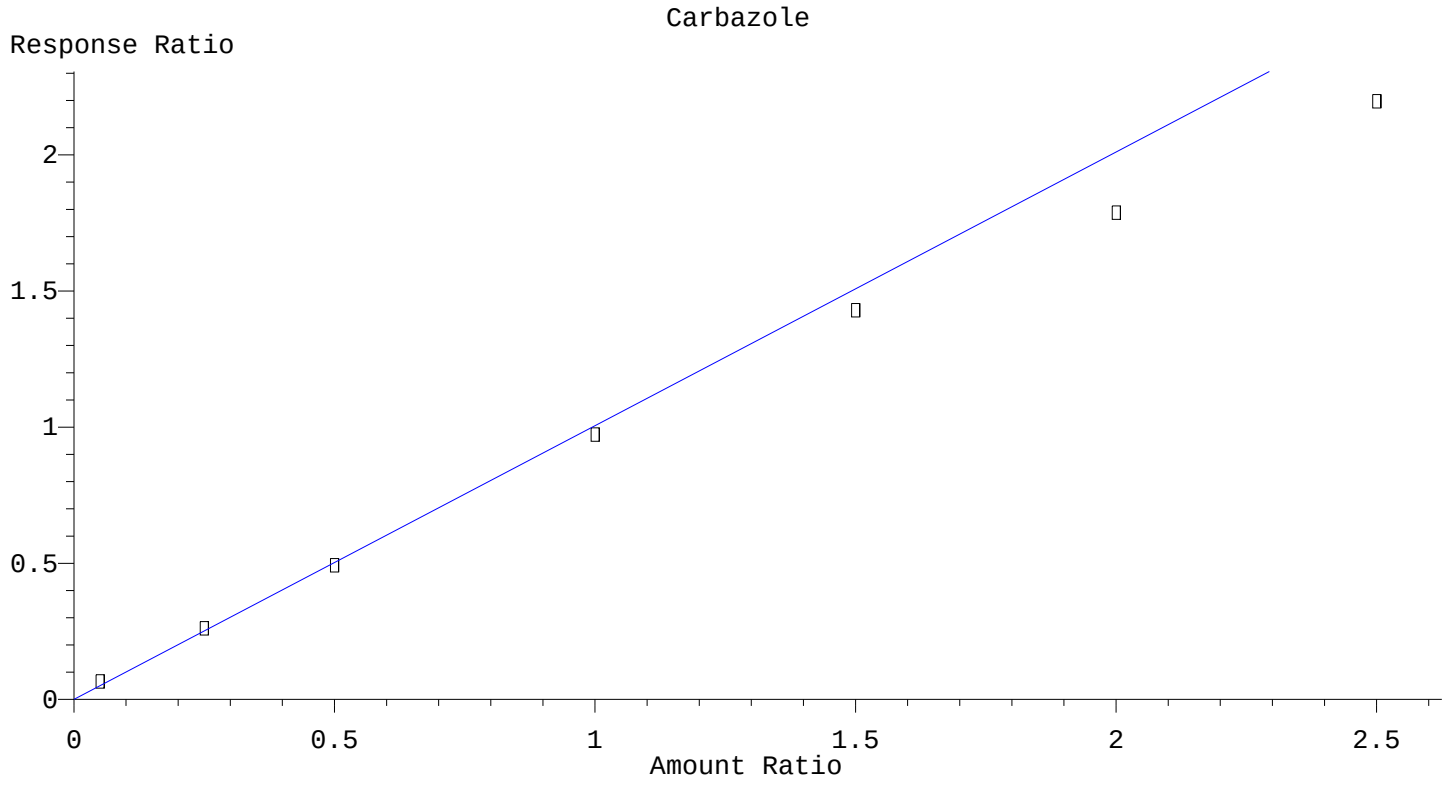
Resp Ratio = 1.48e-001 * Amt
RF Rel Std Dev = 12.5% Curve Fit: Avg RF



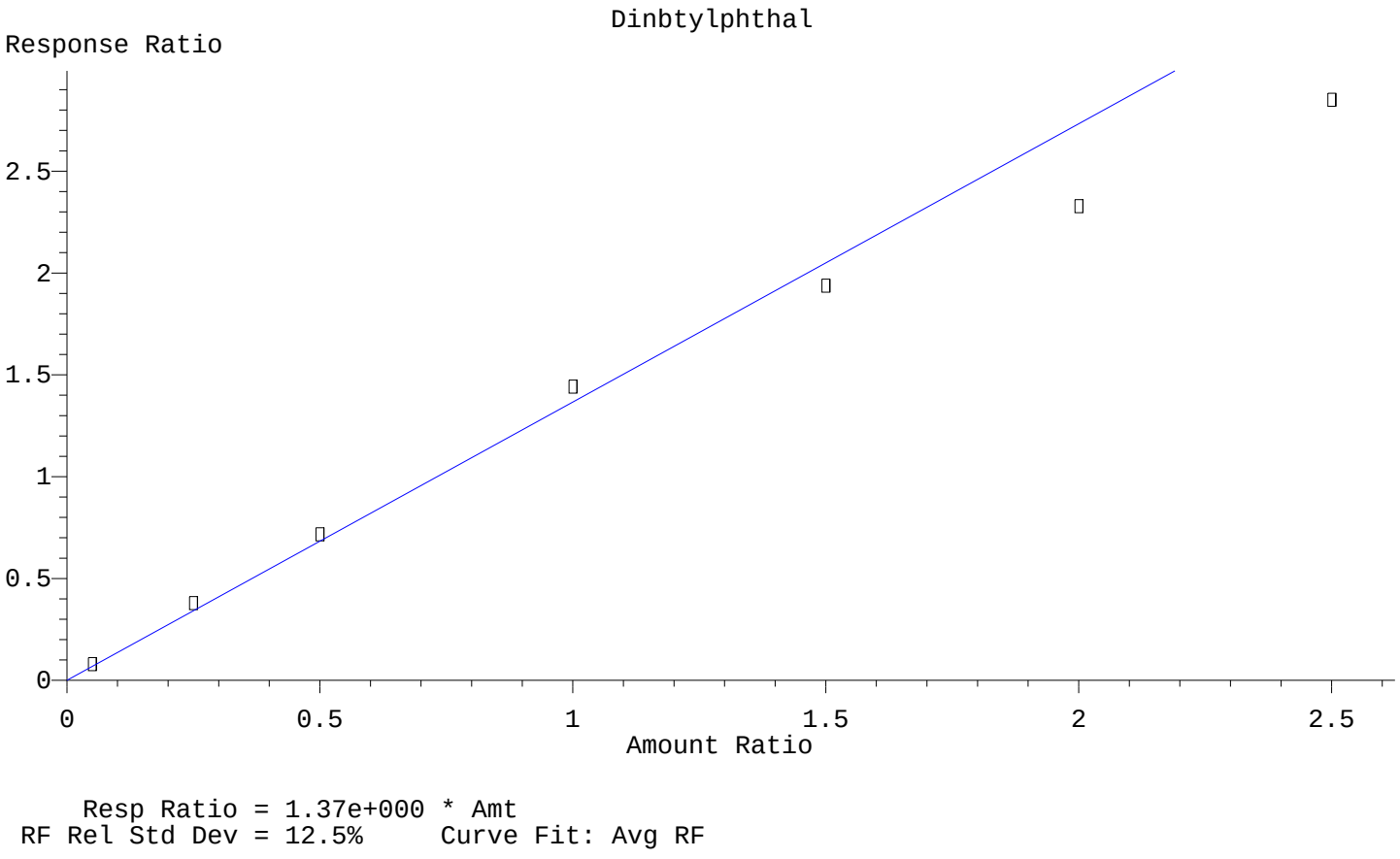
Resp Ratio = 1.02e+000 * Amt
RF Rel Std Dev = 18.2% Curve Fit: Avg RF



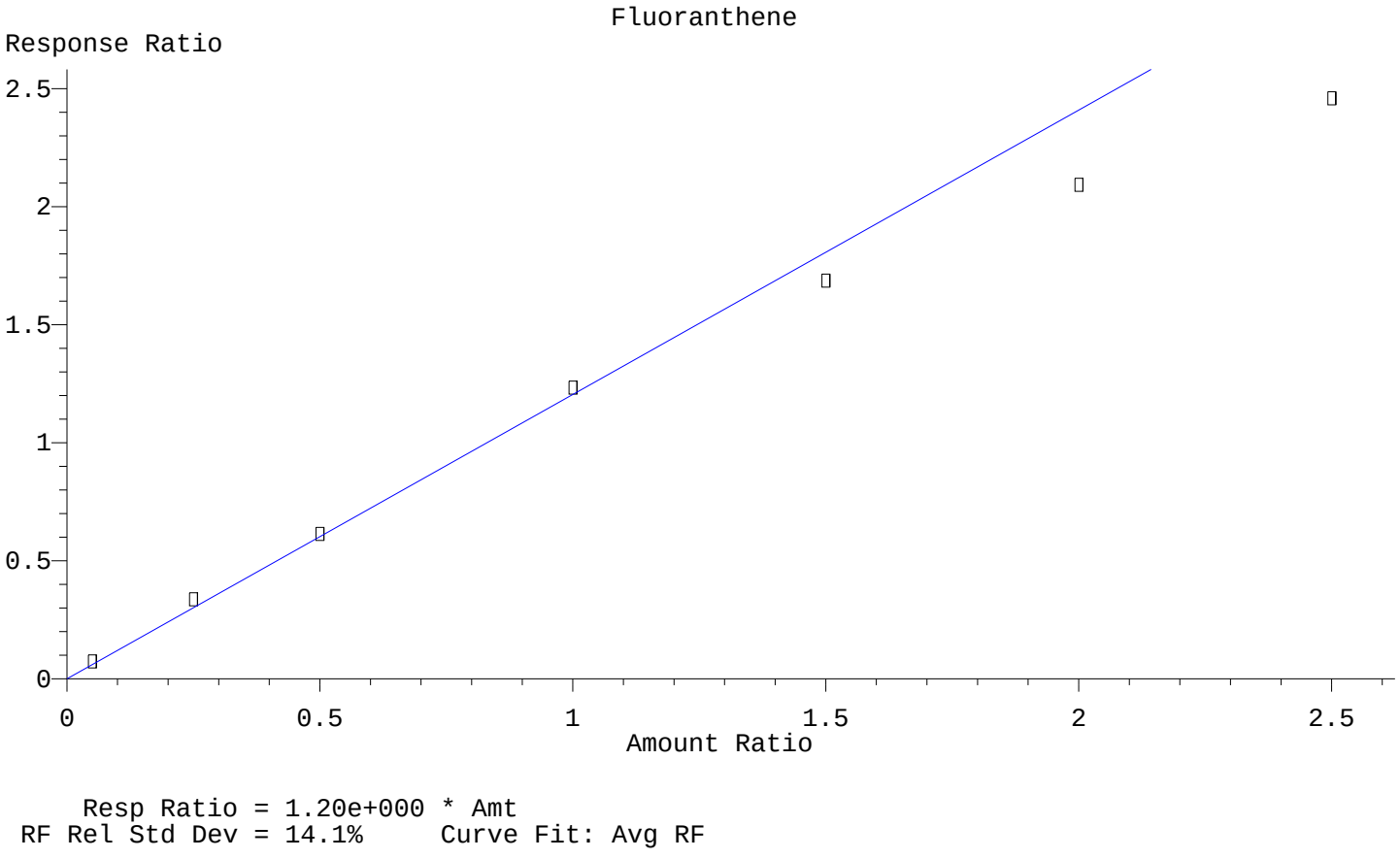
Resp Ratio = 1.06e+000 * Amt
RF Rel Std Dev = 18.3% Curve Fit: Avg RF



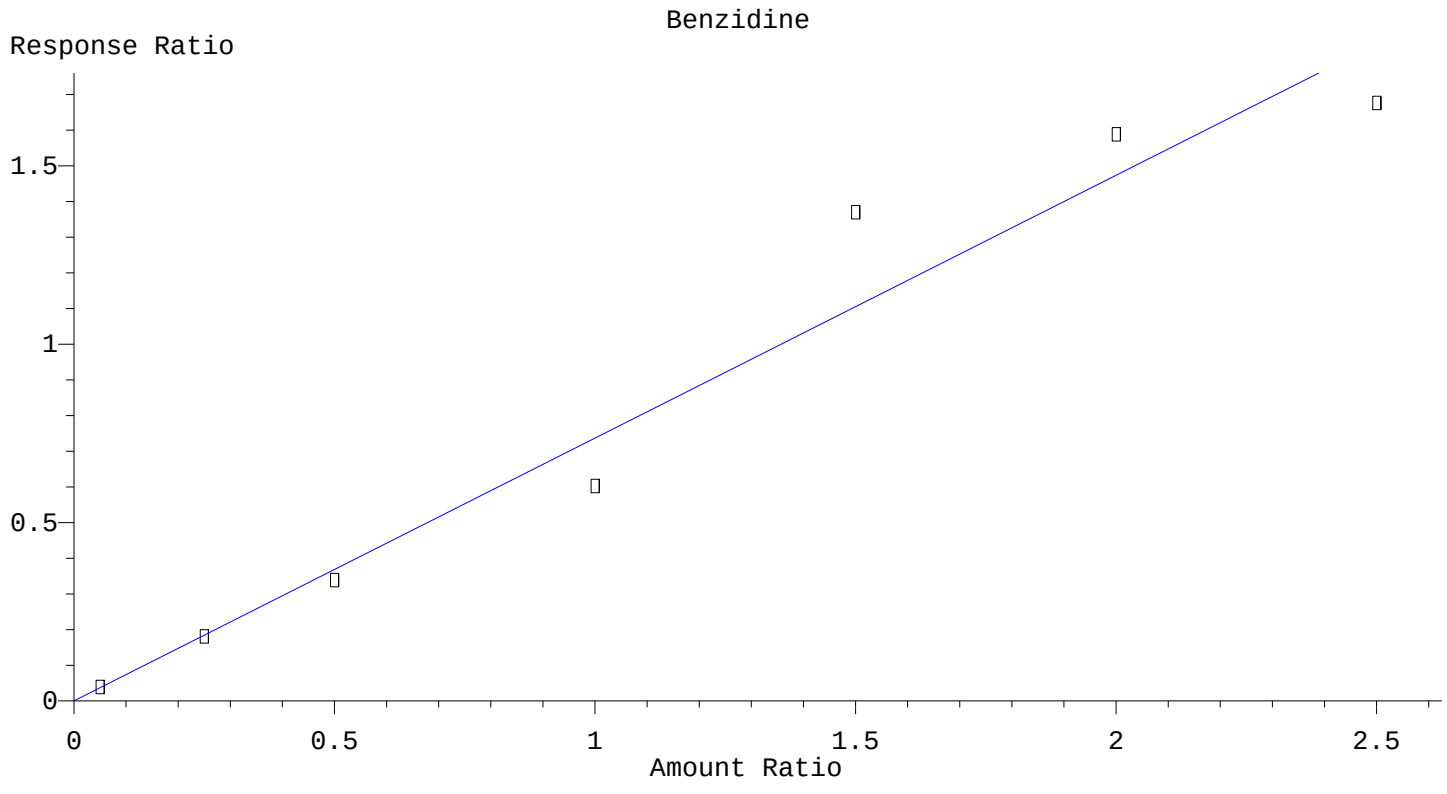
Resp Ratio = 1.01e+000 * Amt
RF Rel Std Dev = 14.5% Curve Fit: Avg RF



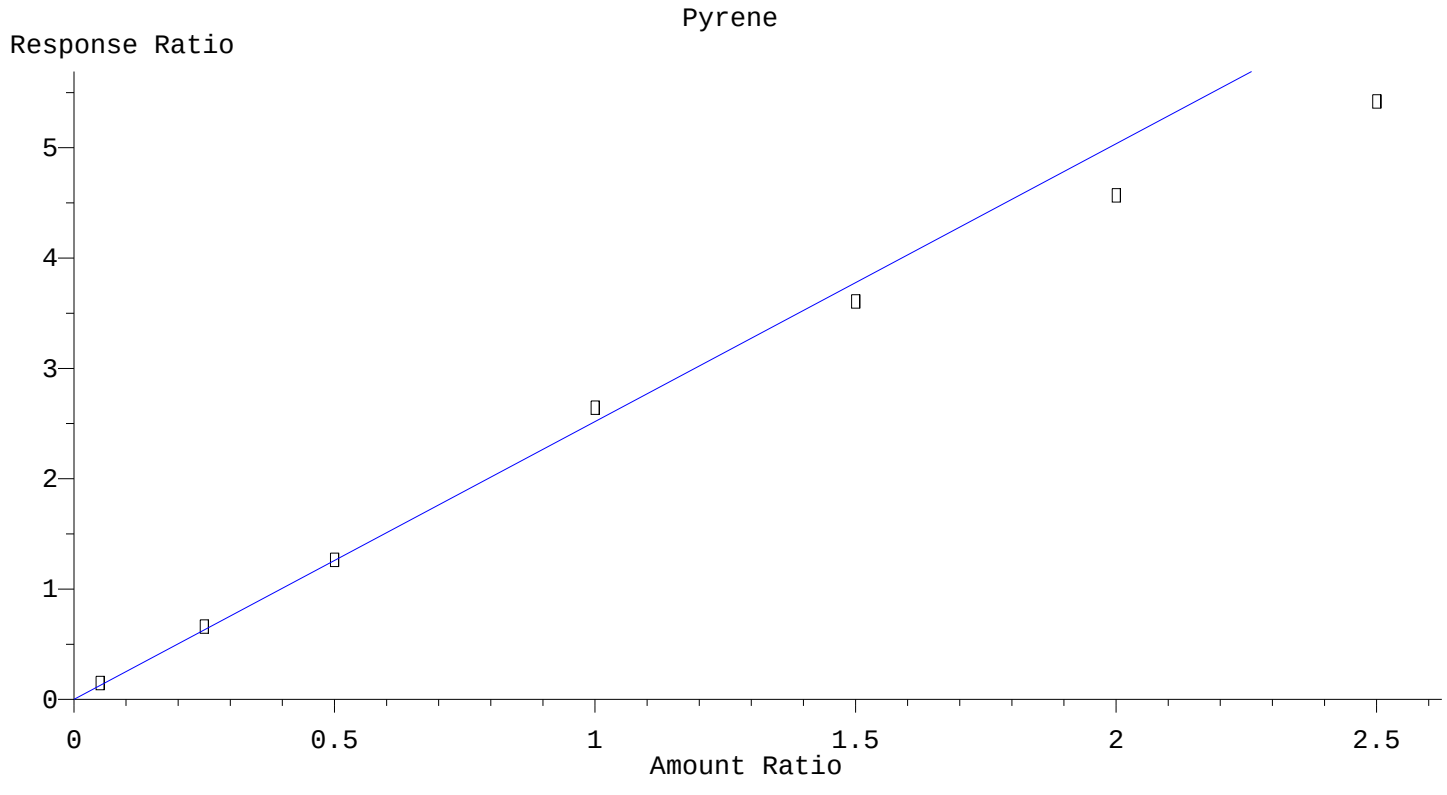
Resp Ratio = 1.37e+000 * Amt
RF Rel Std Dev = 12.5% Curve Fit: Avg RF



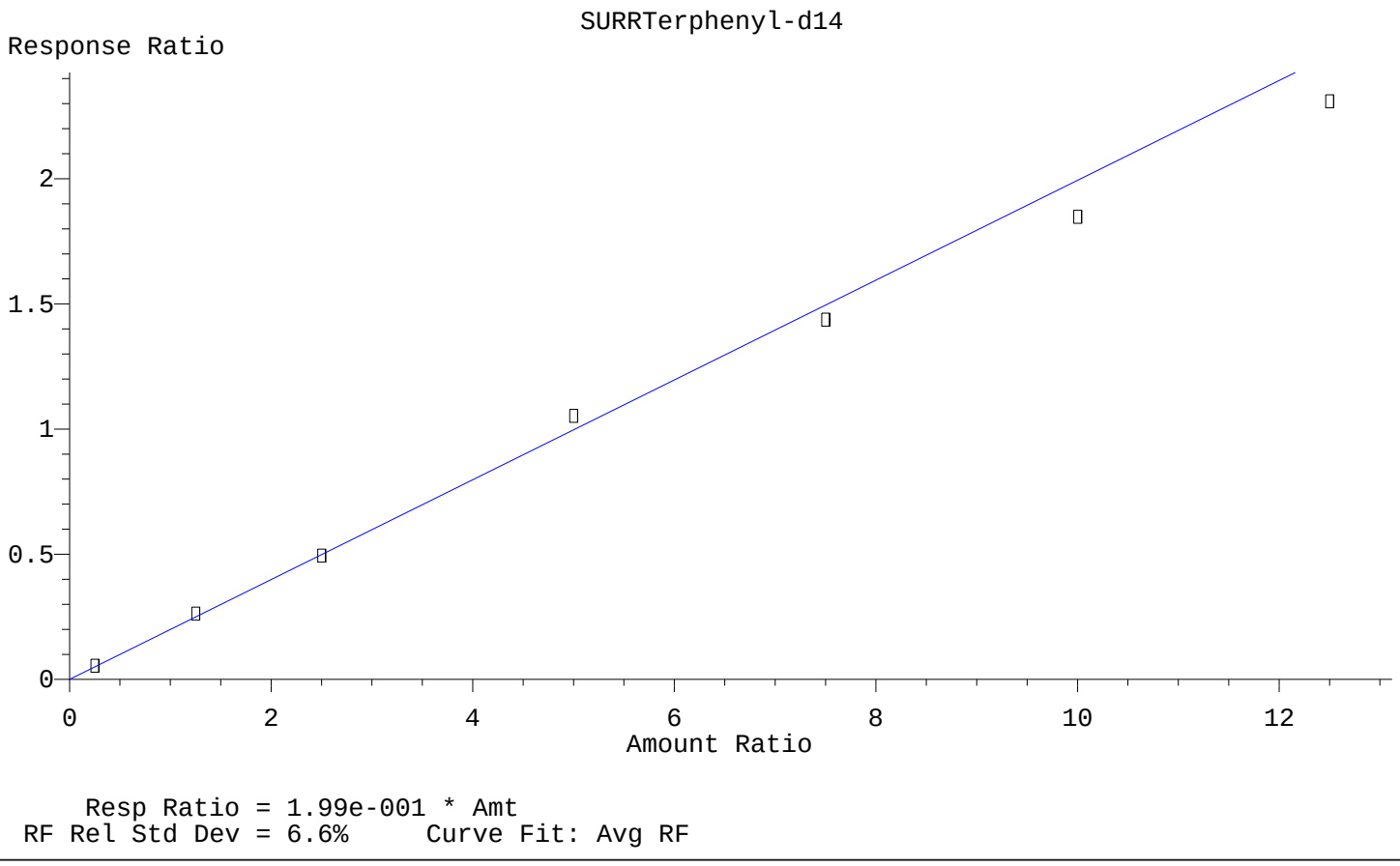
Resp Ratio = 1.20e+000 * Amt
RF Rel Std Dev = 14.1% Curve Fit: Avg RF



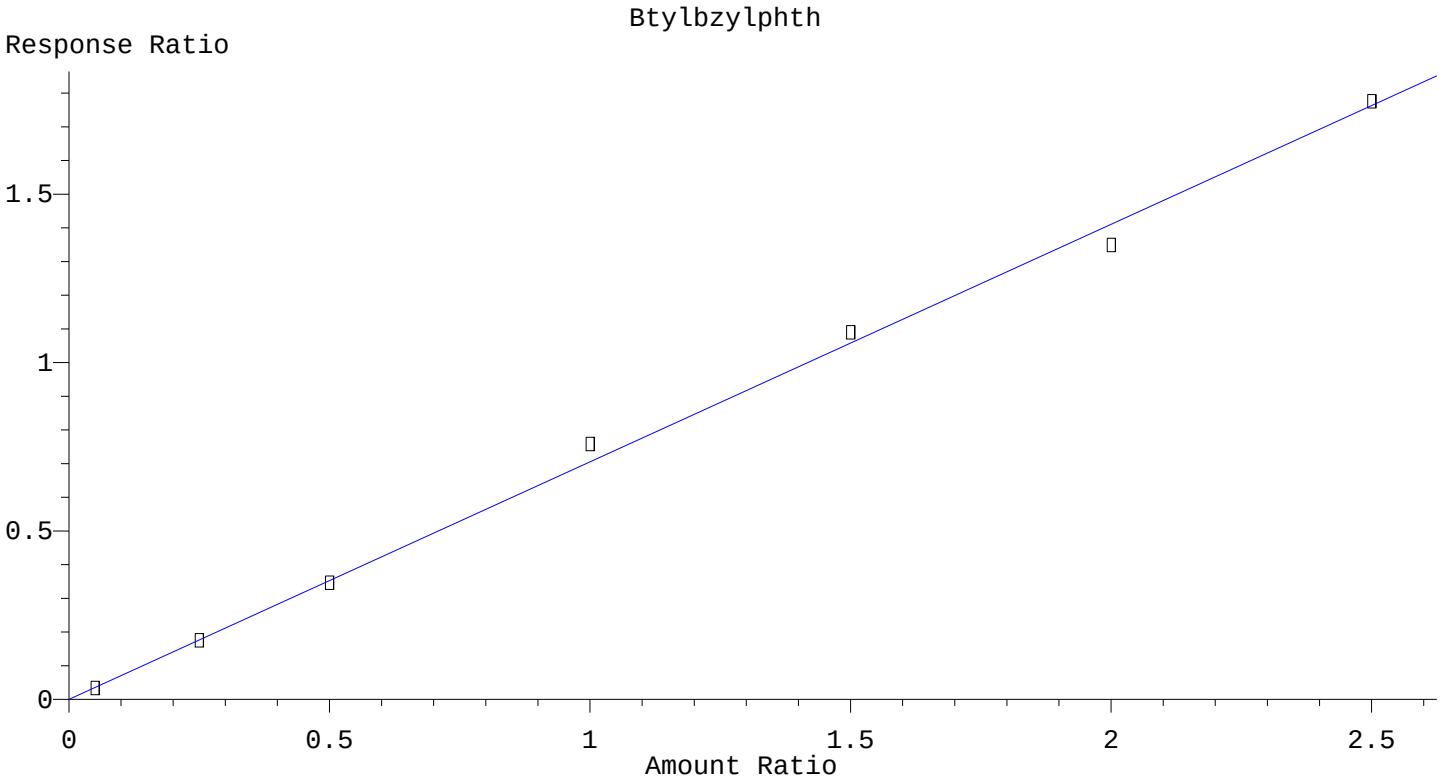
Resp Ratio = 7.37e-001 * Amt
RF Rel Std Dev = 13.8% Curve Fit: Avg RF



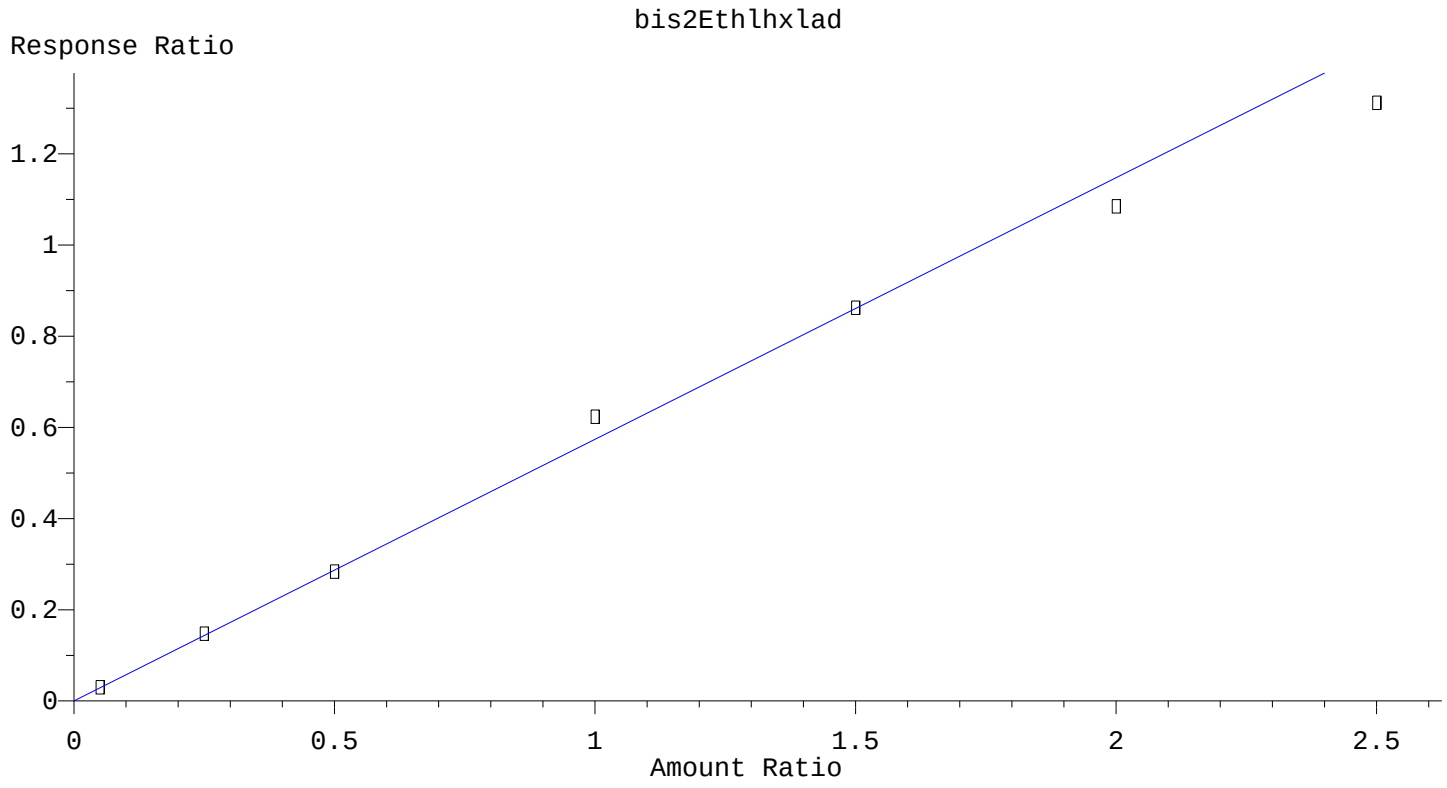
Resp Ratio = 2.52e+000 * Amt
RF Rel Std Dev = 10.4% Curve Fit: Avg RF



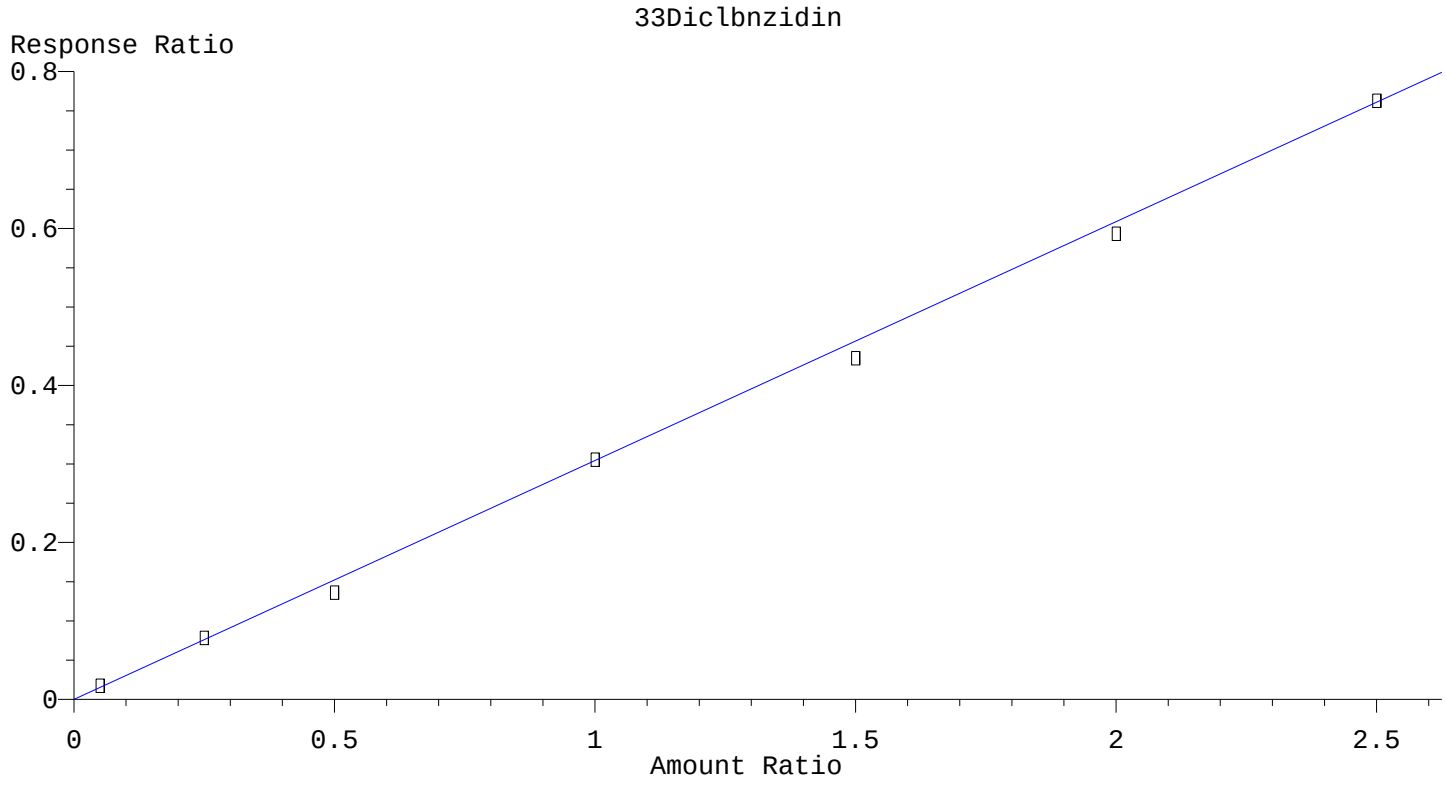
Resp Ratio = 1.99e-001 * Amt
RF Rel Std Dev = 6.6% Curve Fit: Avg RF



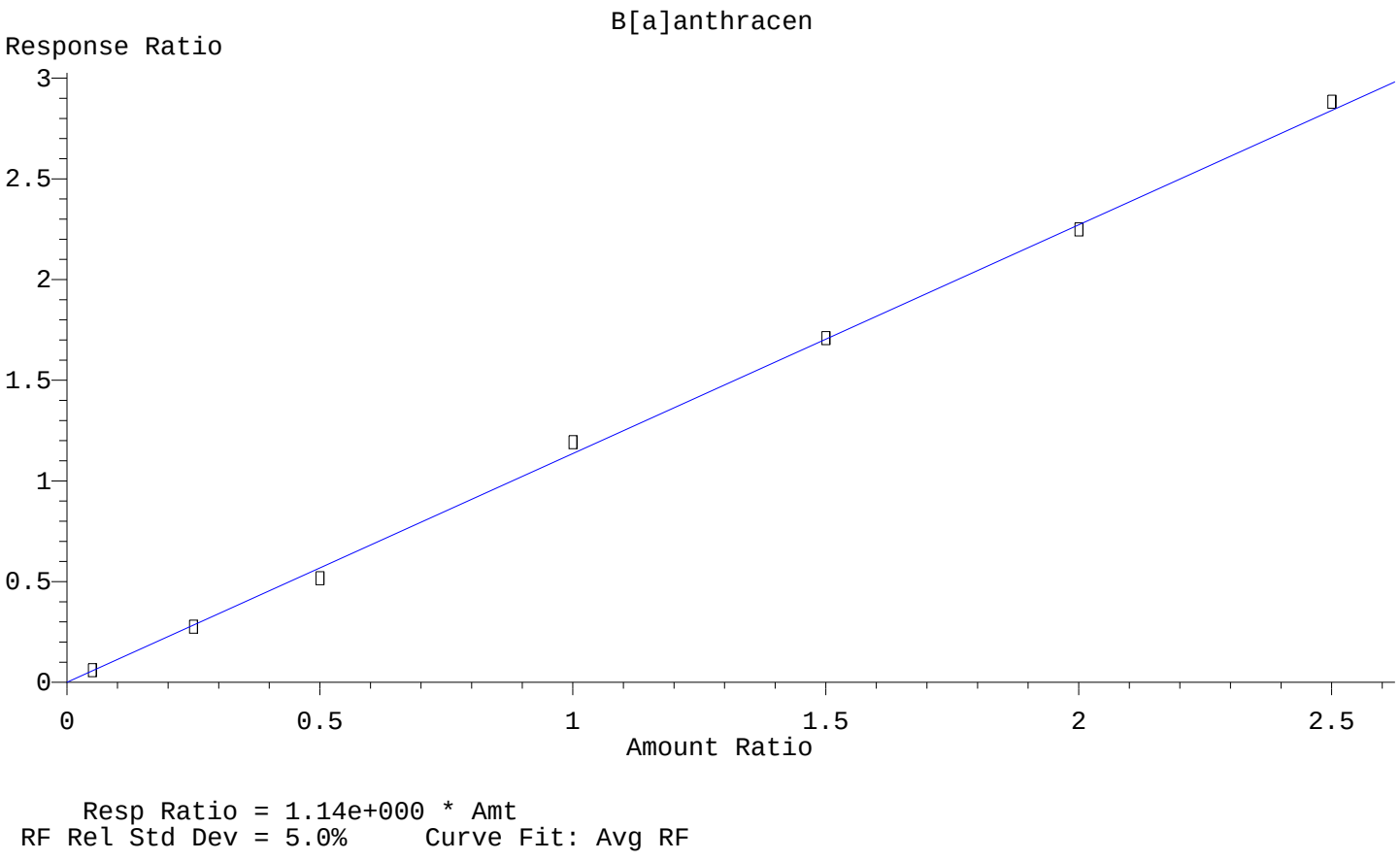
Resp Ratio = 7.05e-001 * Amt
RF Rel Std Dev = 4.3% Curve Fit: Avg RF



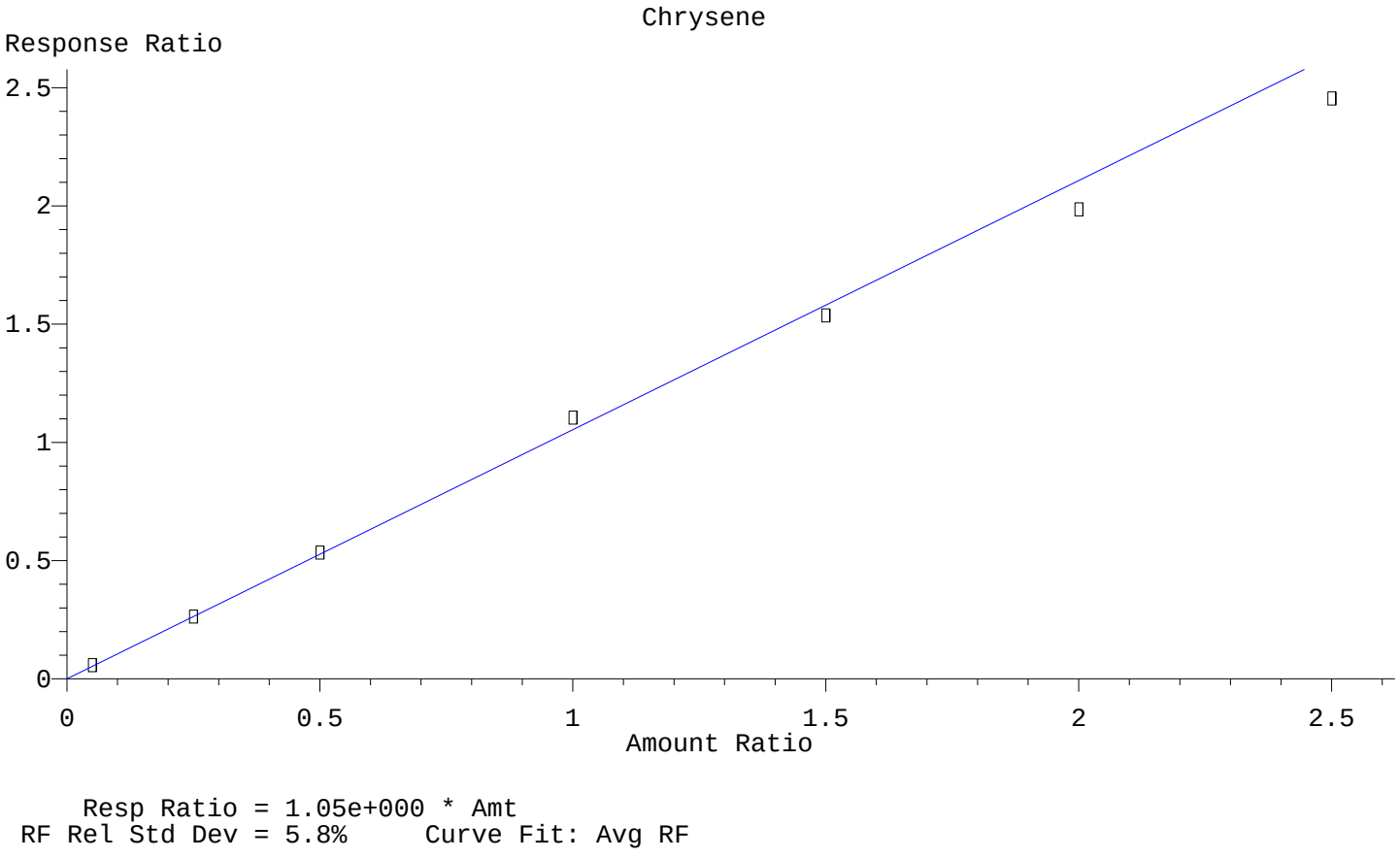
Resp Ratio = 5.74e-001 * Amt
RF Rel Std Dev = 5.8% Curve Fit: Avg RF



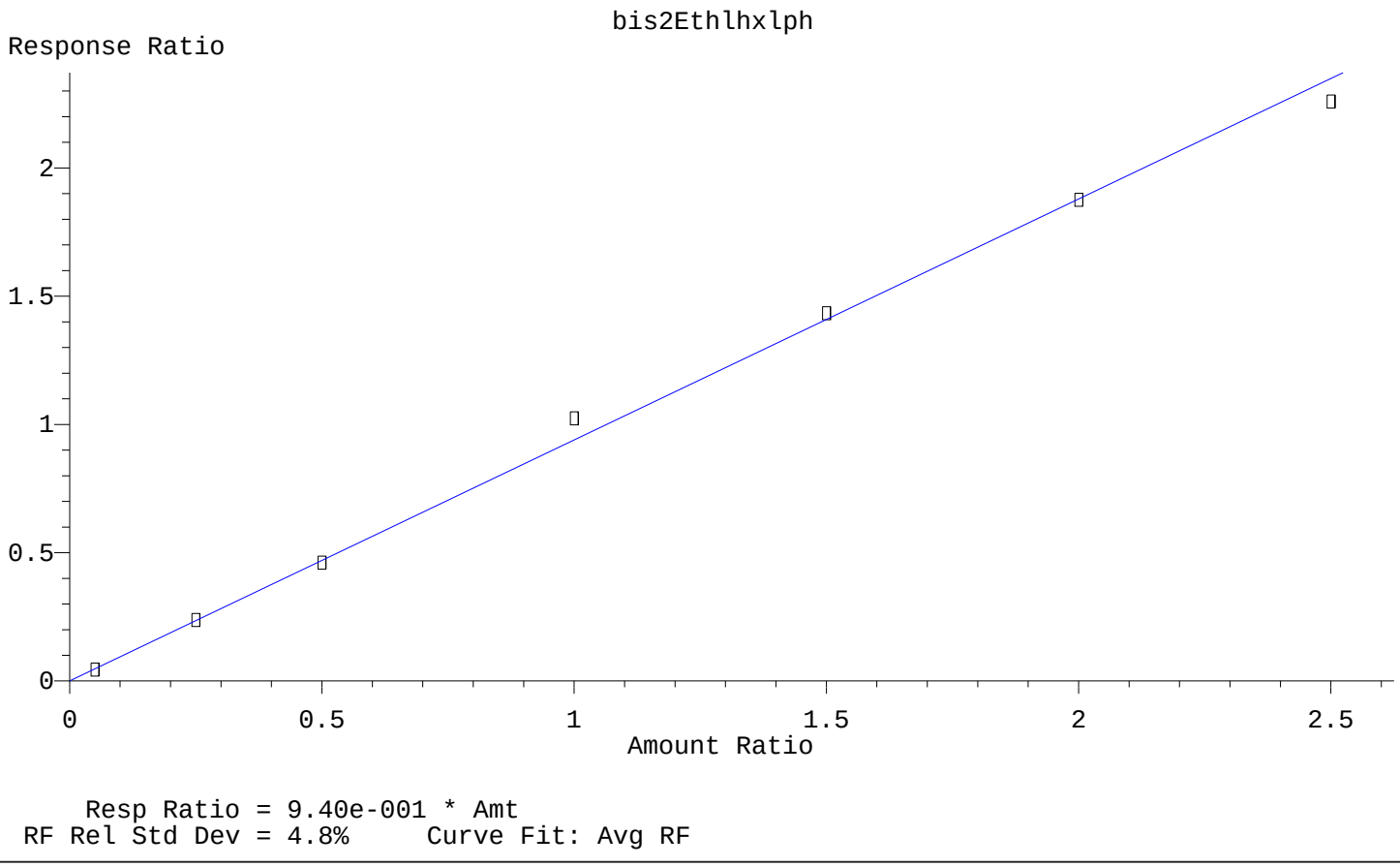
Resp Ratio = 3.04e-001 * Amt
RF Rel Std Dev = 7.7% Curve Fit: Avg RF



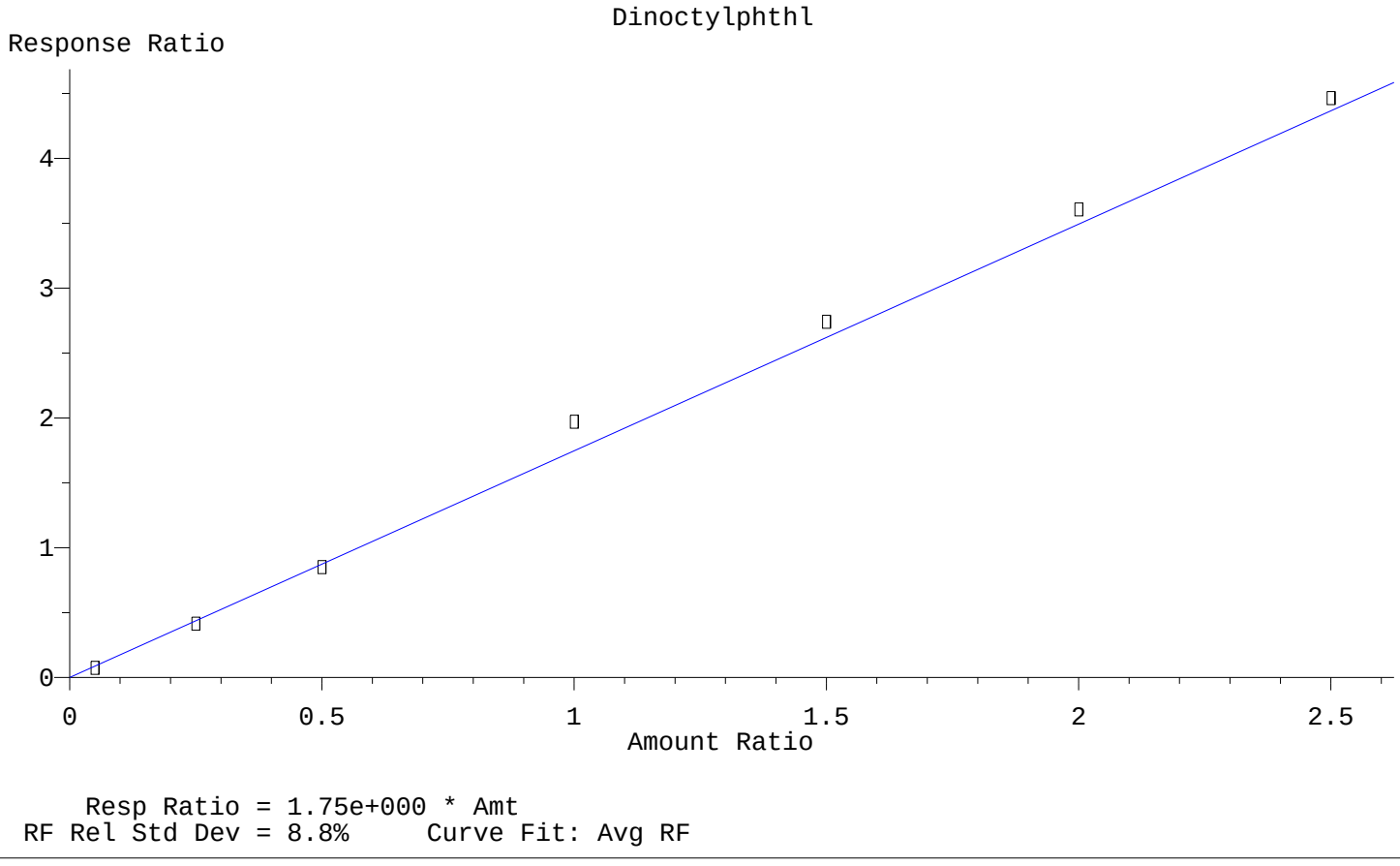
Resp Ratio = 1.14e+000 * Amt
RF Rel Std Dev = 5.0% Curve Fit: Avg RF



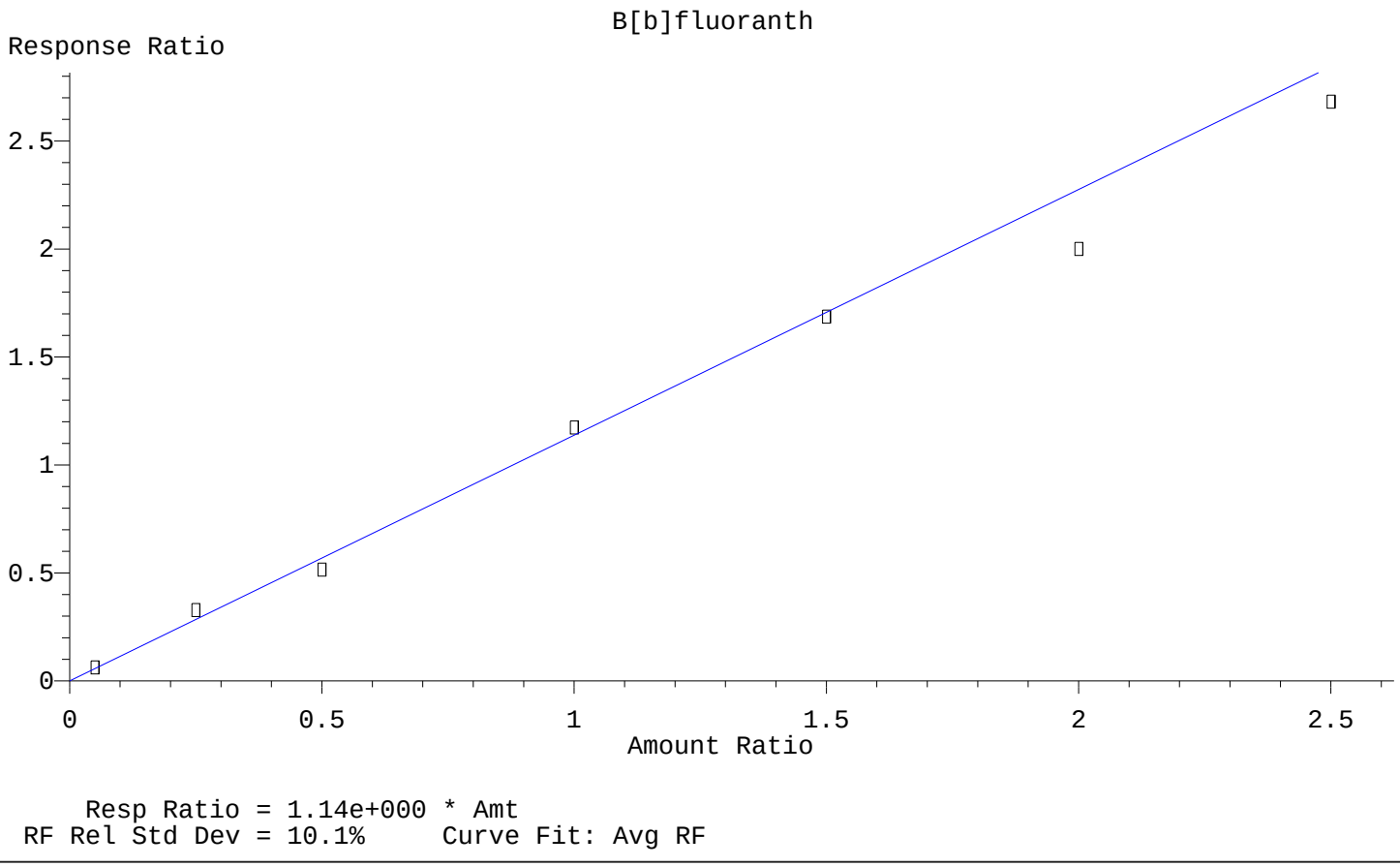
Resp Ratio = 1.05e+000 * Amt
RF Rel Std Dev = 5.8% Curve Fit: Avg RF



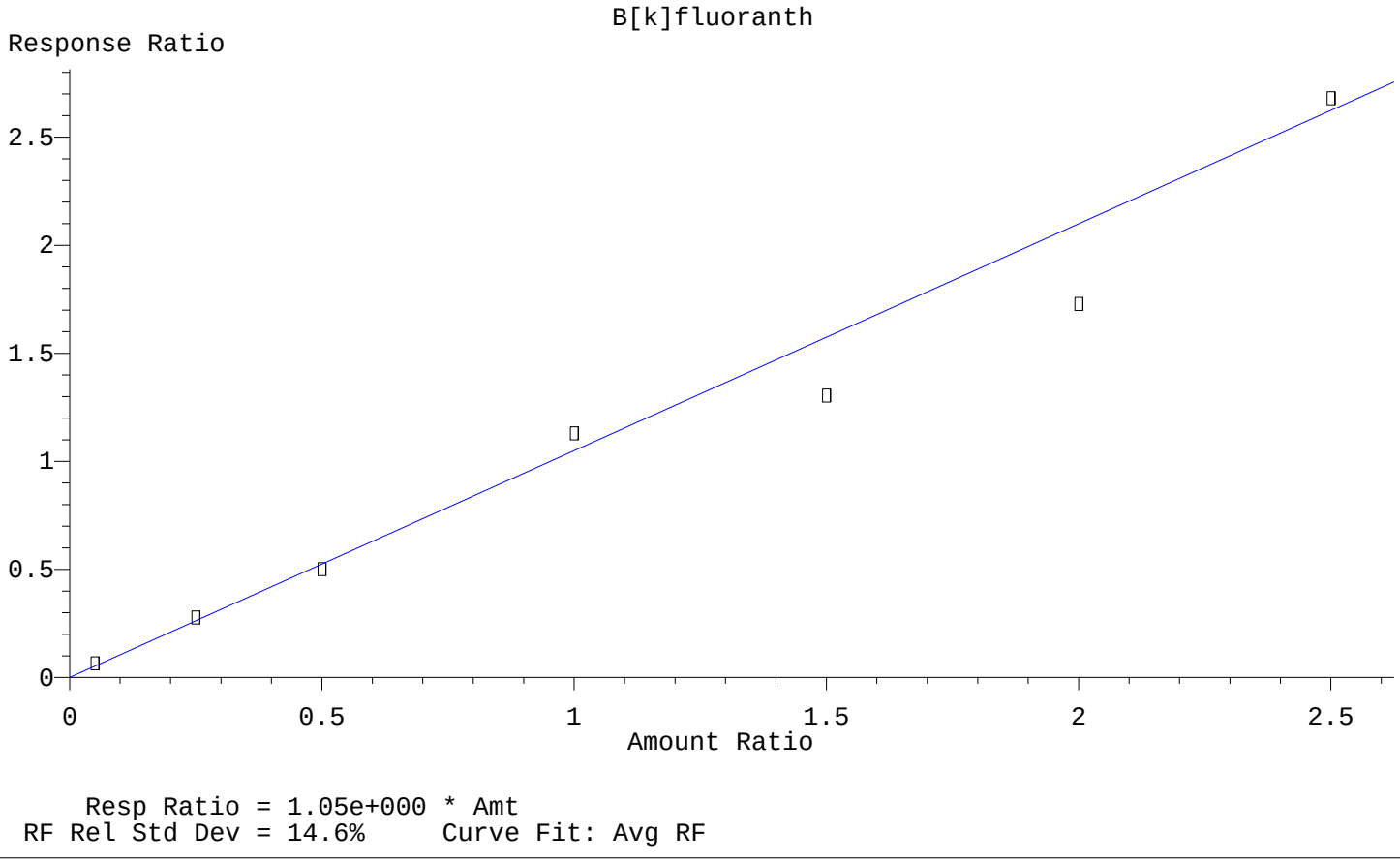
Resp Ratio = 9.40e-001 * Amt
RF Rel Std Dev = 4.8% Curve Fit: Avg RF



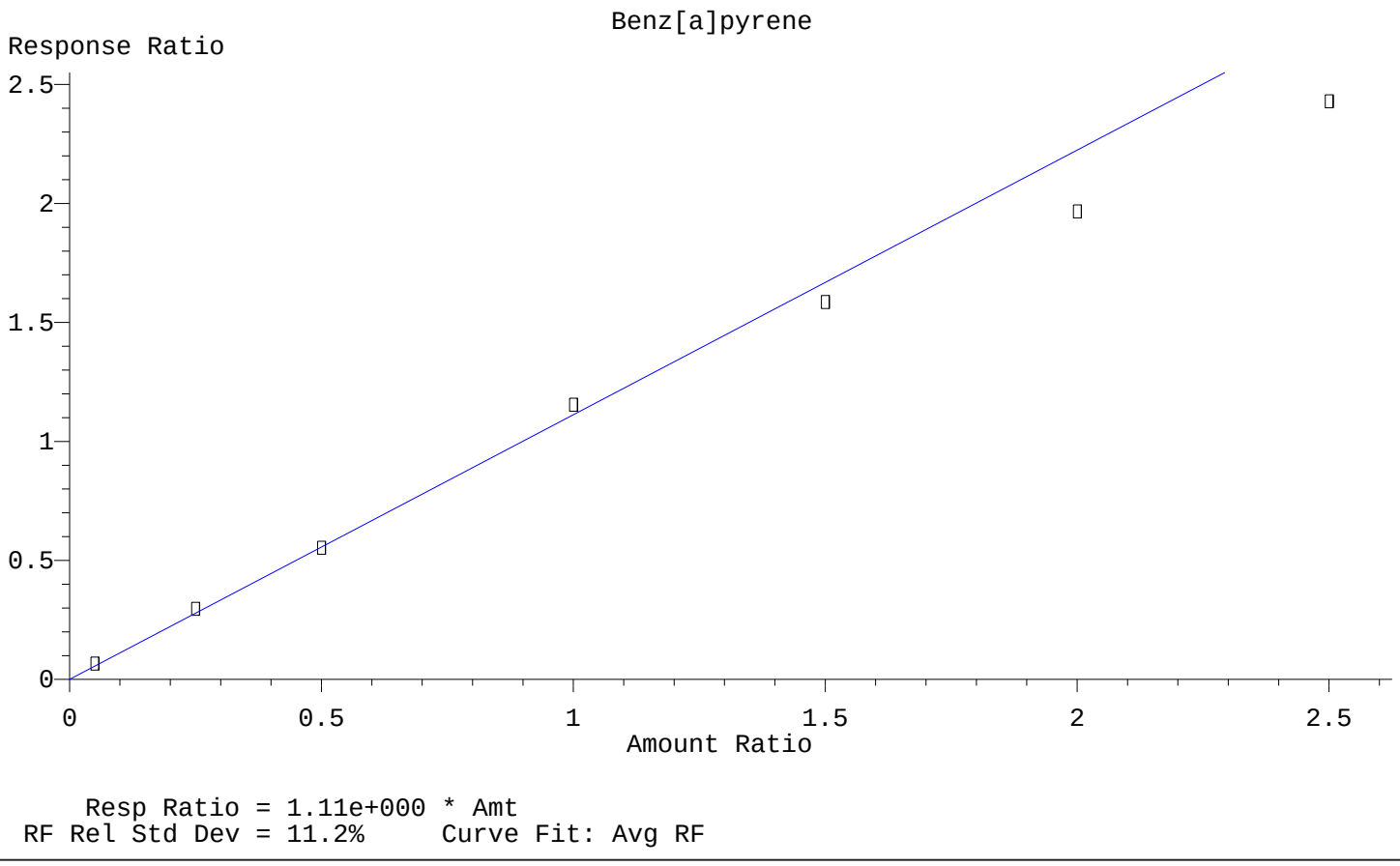
Resp Ratio = 1.75e+000 * Amt
RF Rel Std Dev = 8.8% Curve Fit: Avg RF



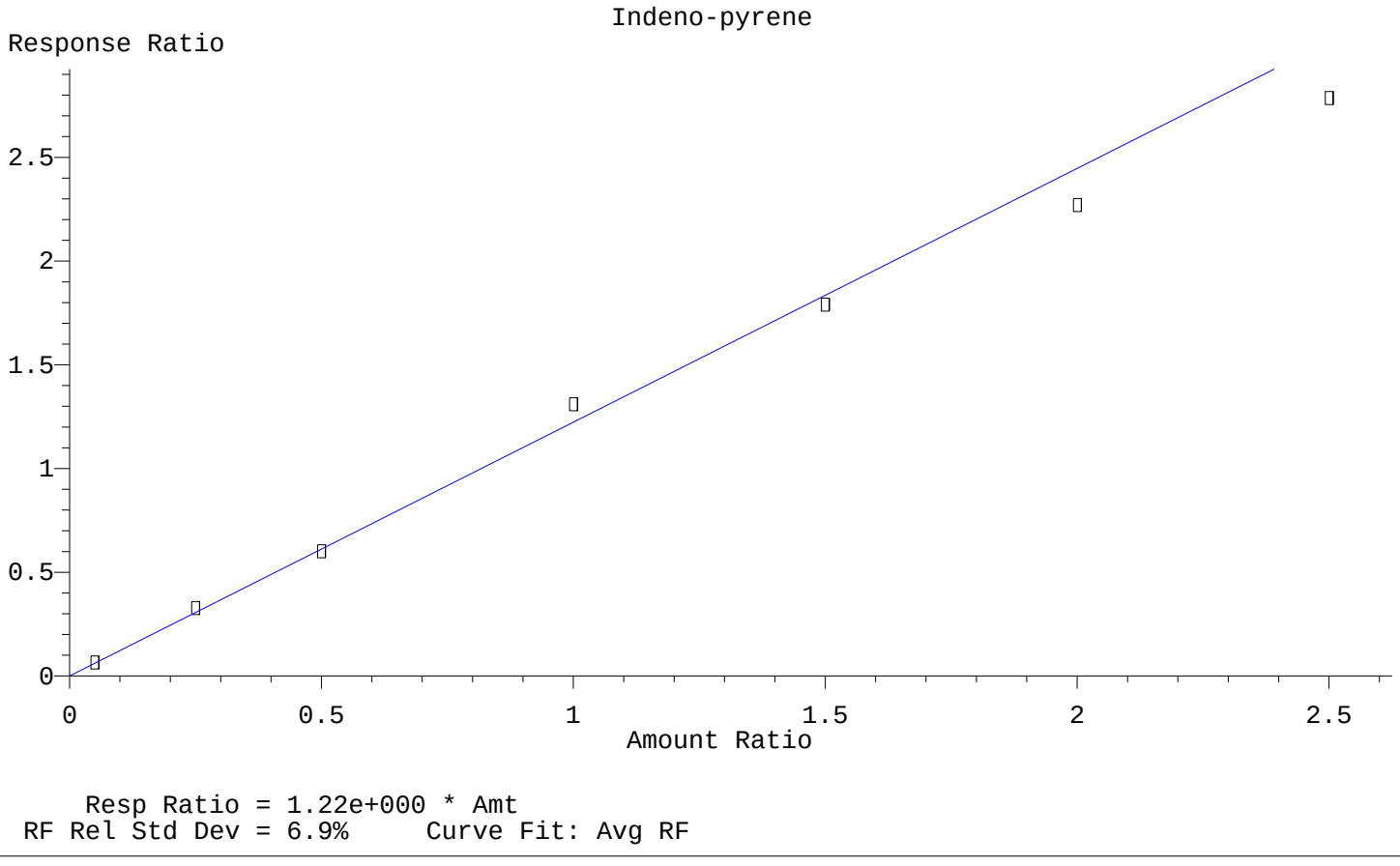
Resp Ratio = 1.14e+000 * Amt
RF Rel Std Dev = 10.1% Curve Fit: Avg RF



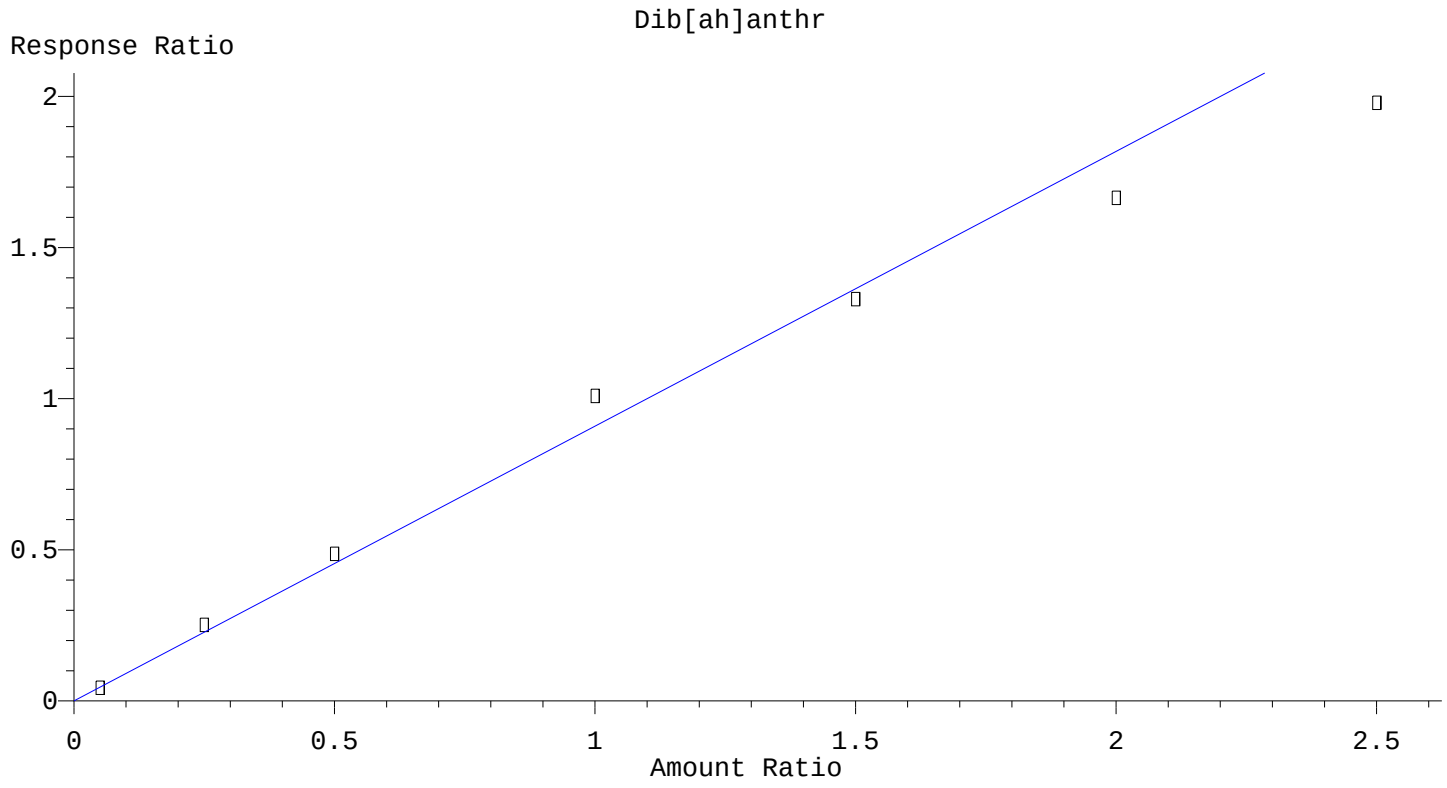
Resp Ratio = 1.05e+000 * Amt
RF Rel Std Dev = 14.6% Curve Fit: Avg RF



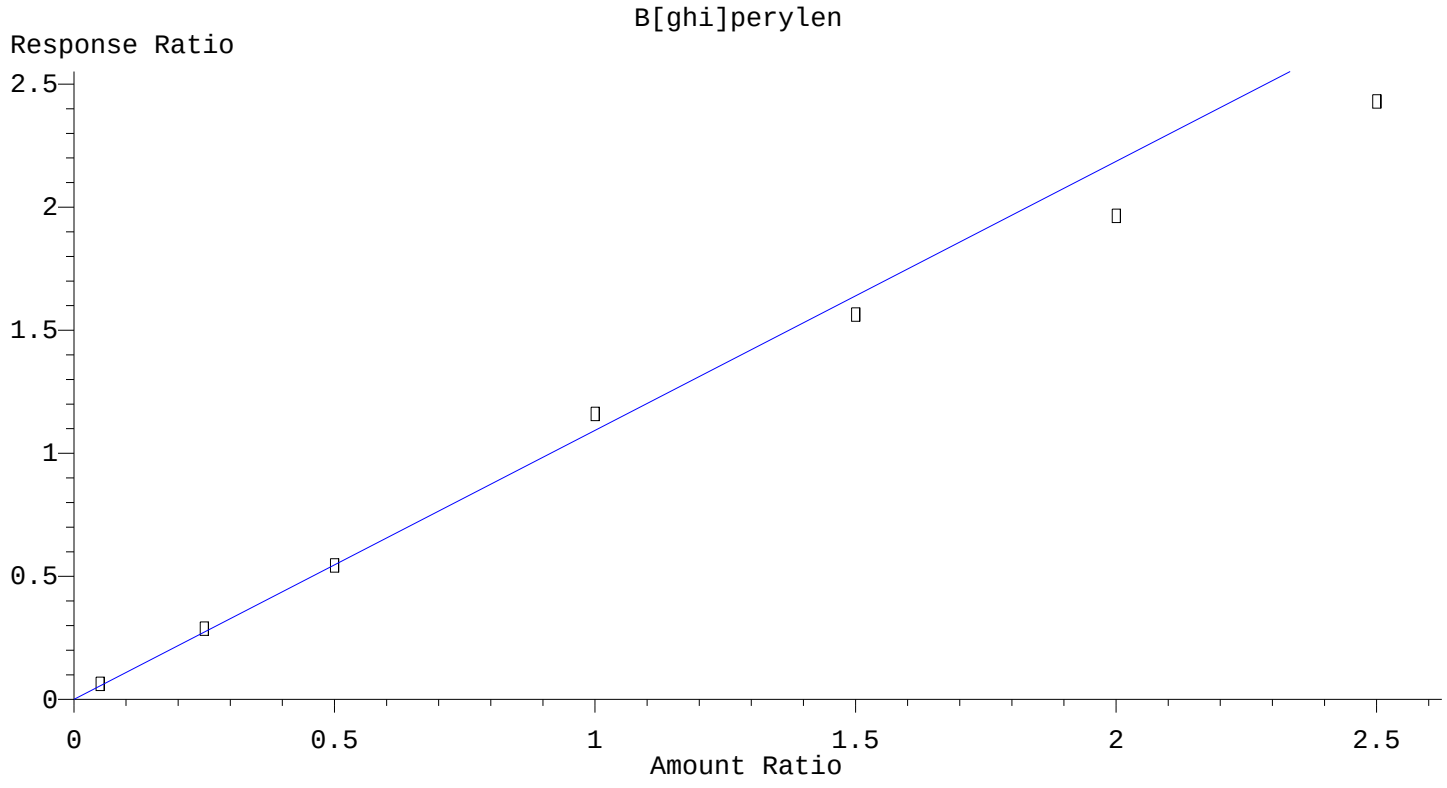
Resp Ratio = 1.11e+000 * Amt
RF Rel Std Dev = 11.2% Curve Fit: Avg RF



Resp Ratio = 1.22e+000 * Amt
RF Rel Std Dev = 6.9% Curve Fit: Avg RF



Resp Ratio = 9.09e-001 * Amt
RF Rel Std Dev = 9.5% Curve Fit: Avg RF



Resp Ratio = 1.09e+000 * Amt
RF Rel Std Dev = 9.4% Curve Fit: Avg RF

Quantitation Report (Not Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1IB02.D Vial: 99
Acq On : 5 Aug 2013 11:45 Operator: RPN
Sample : InstrumentBlank Inst : SVMS1
Misc : 500uL+5ul IS S2810C Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 17:19:31 2013

RPN
08/05/13

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:21:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

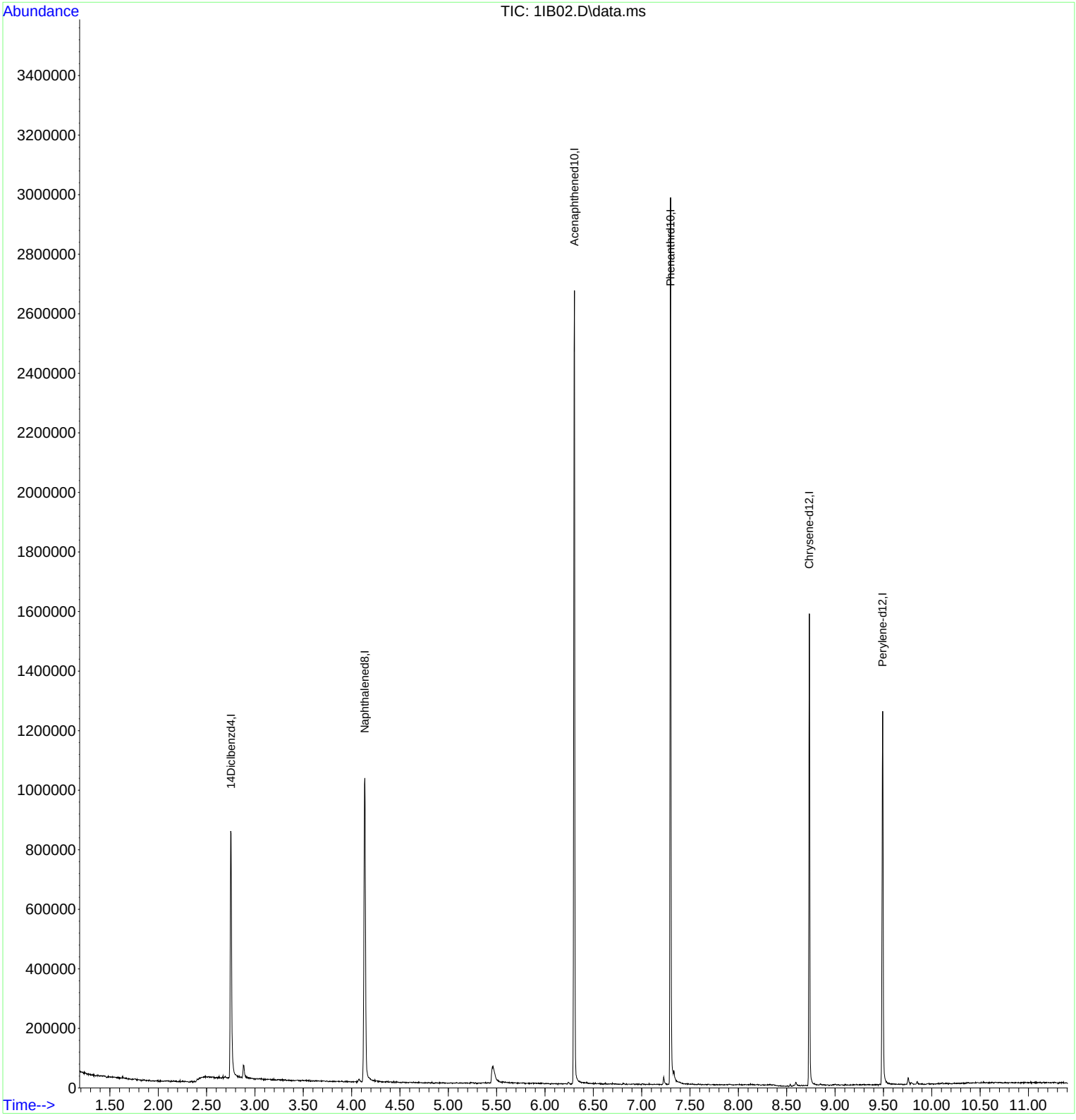
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.752	152	166534	20.00	ug/mL	0.00
21) Naphthalened8	4.136	136	651649	20.00	ug/mL	0.00
39) Acenaphthened10	6.304	164	543080	20.00	ug/mL	0.00
63) Phenanthrd10	7.299	188	850616	20.00	ug/mL	0.00
75) Chrysene-d12	8.734	240	386891	20.00	ug/mL	0.00
86) Perylene-d12	9.492	264	361589	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	0.000	112	0	0.00	%REC	
Spiked Amount 100.000	Range 20 - 110		Recovery =	0.00%#		
7) SURRPhenol-d5	0.000	99	0	0.00	%REC	
Spiked Amount 100.000	Range 10 - 115		Recovery =	0.00%#		
22) SURRNitrbenzened5	0.000	82	0	0.00	%REC	
Spiked Amount 100.000	Range 40 - 110		Recovery =	0.00%#		
44) SUR2Flbiphenyl	0.000	172	0	0.00	%REC	
Spiked Amount 100.000	Range 50 - 110		Recovery =	0.00%#		
62) SURR246Tribrphenl	0.000	330	0	0.00	%REC	
Spiked Amount 100.000	Range 40 - 125		Recovery =	0.00%#		
78) SURRTerphenyl-d14	0.000	244	0	0.00	%REC	
Spiked Amount 100.000	Range 50 - 135		Recovery =	0.00%#		
Target Compounds						Qvalue
50) Acenaphthene	6.304	154	1714	Below Cal	#	8

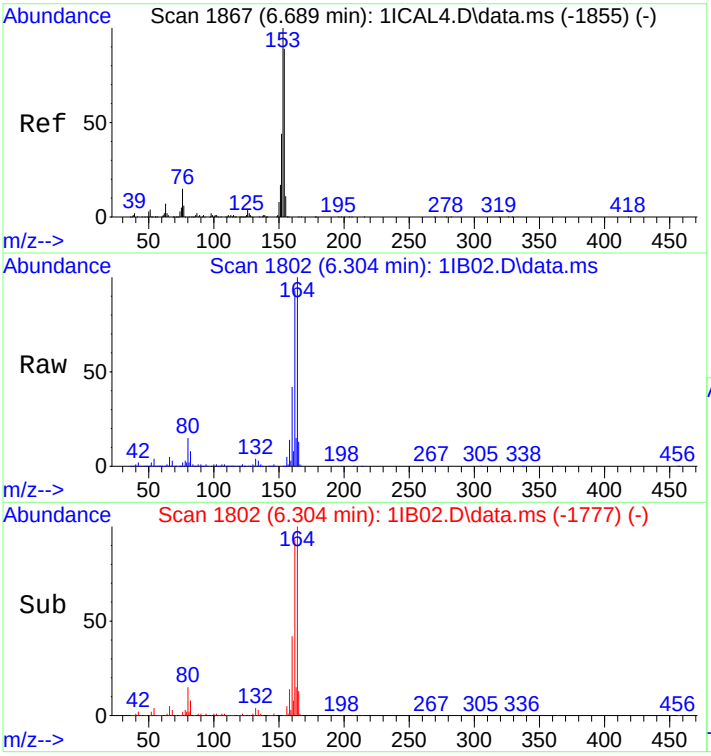
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1IB02.D Vial: 99
Acq On : 5 Aug 2013 11:45 Operator: RPN
Sample : InstrumentBlank Inst : SVMS1
Misc : 500uL+5ul IS S2810C Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 17:19:31 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:21:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

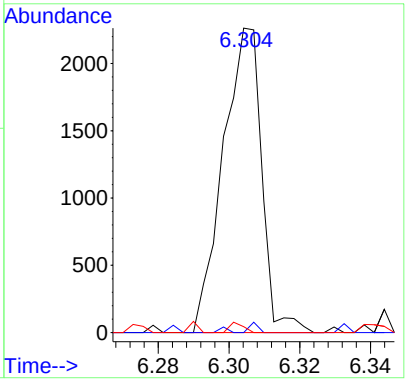




#50
Acenaphthene
Concen: Below ug/mL
RT: 6.304 min Scan# 1802
Delta R.T. -0.028 min
Lab File: 1IB02.D
Acq: 5 Aug 13 11:45 am

Tgt Ion:154 Resp: 1714

Ion	Ratio	Lower	Upper
154	100		
152	0.0	21.0	81.0#
153	1.9	87.7	127.7#



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL7.D Vial: 11
Acq On : 5 Aug 2013 15:03 Operator: RPN
Sample : ICAL 50ug/ml SVMS5743 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:06:43 2013

RPN
08/05/13

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:05:24 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.755	152	163129	20.00	ug/mL	0.00
21) Naphthalened8	4.145	136	617089	20.00	ug/mL	0.00
39) Acenaphthened10	6.313	164	508792	20.00	ug/mL	0.00
63) Phenanthrd10	7.304	188	750751	20.00	ug/mL	0.00
75) Chrysene-d12	8.745	240	286828	20.00	ug/mL	0.01
86) Perylene-d12	9.501	264	336552	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.903	112	594336	133.67	%REC	0.00
Spiked Amount 100.000	Range 20 - 110		Recovery = 133.67%#			
7) SURRPhenol-d5	2.514	99	554987	117.01	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 117.01%#			
22) SURRNitrbenzened5	3.318	82	432268	240.39	%REC	0.02
Spiked Amount 100.000	Range 40 - 110		Recovery = 240.39%#			
44) SURR2Flbiphenyl	5.736	172	1411271	210.87	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 210.87%#			
62) SURR246Tribrphenl	6.890	330	178166	103.07	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 103.07%			
78) SURRTerphenyl-d14	8.236	244	662403	231.62	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 231.62%#			
Target Compounds						Qvalue
2) Ntrsdimeth	1.320	74	314083	52.8859	ug/mL	94
3) Pyridine	1.315	79	593138	52.9707	ug/mL	96
5) Aniline	2.502	93	694501	47.5836	ug/mL	88
6) bis2Clethletr	2.573	93	445254	45.0111	ug/mL	98
8) Phenol	2.525	94	624752	44.9279	ug/mL	96
9) 2-Cl-phenol	2.585	128	534685	45.0651	ug/mL	99
10) 13Diclbenz	2.701	146	621670	44.9490	ug/mL	95
11) 14Diclbenz	2.772	146	587987	44.9406	ug/mL	99
12) 12Diclbenz	2.897	146	597571	46.1275	ug/mL	99
13) Benzyl alcoho	2.929	108	314562	55.0147	ug/mL	96
14) bis2clispreth	3.056	45	770955	46.4221	ug/mL	93
15) 2Methylphenol	3.056	107	355421	38.6331	ug/mL	98
16) Ntrspyrrol	3.179	100	202524	47.5707	ug/mL	90
17) Acetophenone	3.176	105	614546	48.5963	ug/mL	97
18) Hexaclethane	3.221	117	212136	42.9440	ug/mL	98
19) N-Ntrsdinprop	3.213	70	267814	46.5387	ug/mL	96
20) 3&4Methylphenol	3.241	107	448349	48.7748	ug/mL	98
23) Nitrobenzene	3.341	77	409153	47.0712	ug/mL	99
24) Isophorone	3.642	82	831695	49.9946	ug/mL	98
25) 2-Nitrophenol	3.701	139	301260	49.0909	ug/mL	99
26) 24Dimthpheno	3.846	122	418343	49.3432	ug/mL	93
27) bis2clethoxym	3.960	93	568556	48.4813	ug/mL	97
28) 24Diclphenol	4.023	162	461642	47.4326	ug/mL	97
29) 124Triclbenz	4.096	180	490806	44.8689	ug/mL	100
30) Benzoic acid	4.159	122	258433	49.4300	ug/mL#	68
31) Naphthalene	4.176	128	1334415	44.9386	ug/mL	99
32) 4-Cl-aniline	4.321	127	581431	46.3872	ug/mL	98
33) 26Diclphenol	4.307	162	359052	45.1517	ug/mL	96
34) Hexaclprop	4.295	213	310277	47.0593	ug/mL	98
35) Hexaclbutdien	4.383	225	262112	44.8715	ug/mL	95
36) 4Cl3methylphe	5.119	107	551063	51.7015	ug/mL	93
37) 2Methylnaphth	5.179	142	1341125	53.2049	ug/mL	95
38) 1Methylnaphth	5.327	141	1195410	44.7964	ug/mL	99
40) Hxclcycpentdi	5.438	237	360745	48.4480	ug/mL	94

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL7.D Vial: 11
Acq On : 5 Aug 2013 15:03 Operator: RPN
Sample : ICAL 50ug/ml SVMS5743 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:06:43 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:05:24 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

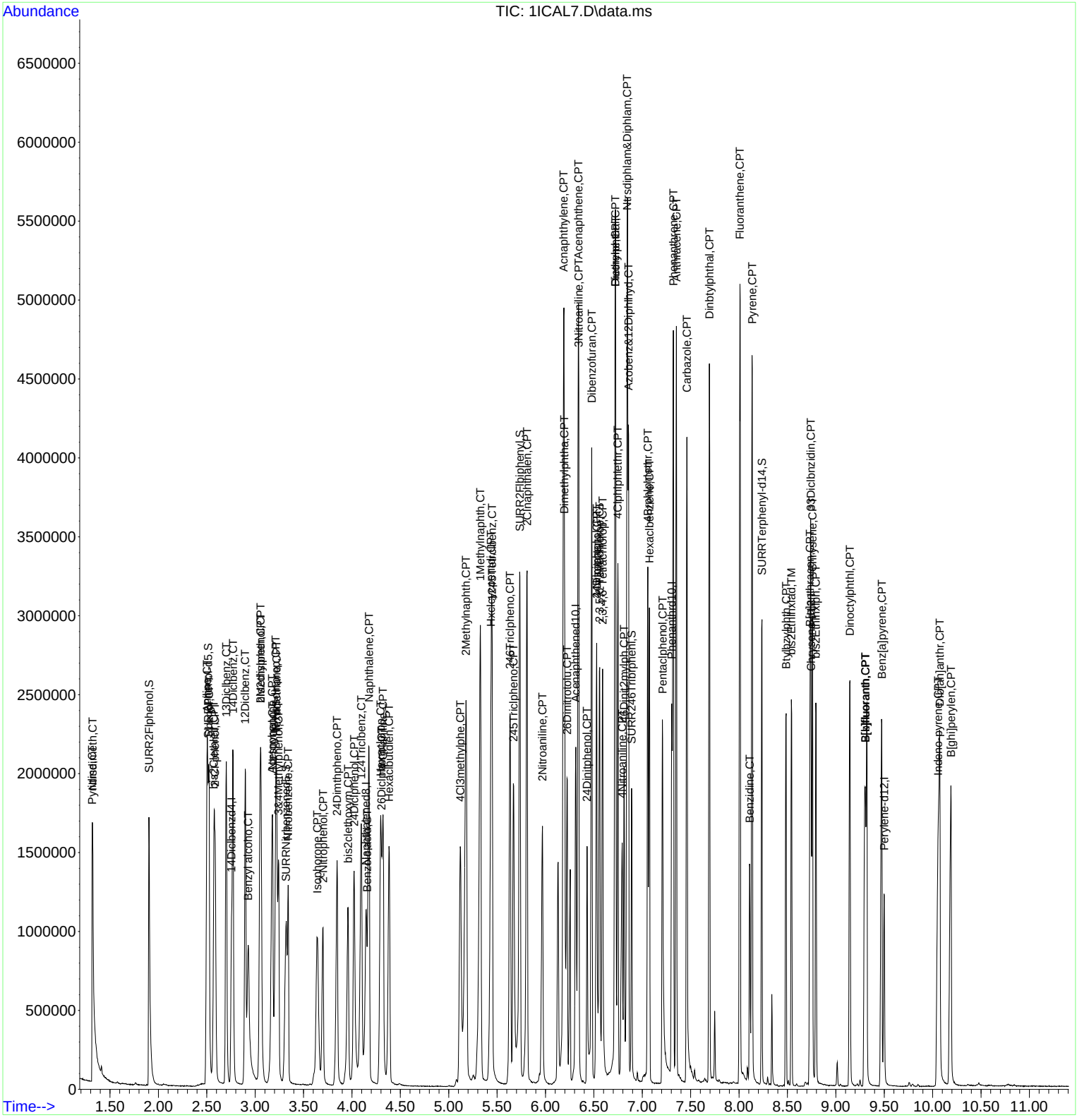
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1245Tetrclbenz	5.449	216	636871	40.7199 ug/mL	99
42) 246Triclpheno	5.634	196	473456	47.2803 ug/mL	99
43) 245Triclpheno	5.671	196	507267	47.2882 ug/mL	98
45) 2Clnaphthalen	5.810	162	1265050	41.8869 ug/mL	99
46) 2Nitroaniline	5.969	65	284789	47.6402 ug/mL	99
47) Acnaphthylene	6.188	152	1647169	52.0577 ug/mL	98
48) Dimethylphtha	6.196	163	1088454	57.0210 ug/mL	100
49) 26Dinitrotolu	6.225	165	332188	44.6925 ug/mL	98
50) Acenaphthene	6.341	154	933610	47.6938 ug/mL	100
51) 3Nitroaniline	6.344	138	279491	40.4225 ug/mL	99
52) 24Dinitphenol	6.429	184	223031	48.7895 ug/mL	94
53) Dibenzofuran	6.478	168	1601065	41.2702 ug/mL	99
54) 24Dinitrotolu	6.529	165	411437	44.1131 ug/mL	90
55) 4-Nitrophenol	6.529	139	258822	92.6798 ug/mL	93
56) 2,3,5,6-Tetrachlorop	6.560	232	347188	47.6023 ug/mL	97
57) 2,3,4,6-Tetrachlorop	6.591	232	373153	42.6976 ug/mL	96
58) Fluorene	6.722	166	1029772	53.9721 ug/mL	99
59) 4Clphlphlethr	6.747	204	547673	51.9460 ug/mL	97
60) Diethylphthal	6.722	149	1039866	54.8892 ug/mL	99
61) 4Nitroaniline	6.793	138	351540	51.2688 ug/mL	99
64) 46Dinit2mylph	6.813	198	247520	48.1901 ug/mL	92
65) Ntrsdiphlam&Diphlam	6.844	169	1098321	111.1603 ug/mL	99
66) Azobenz&12Diphlhyd	6.858	182	404071	101.0365 ug/mL#	86
67) 4Brphlphlethr	7.057	248	342637	40.8665 ug/mL	98
68) Hexaclbenzene	7.074	284	341386	38.3555 ug/mL	96
69) Pentaclphenol	7.211	266	290178	52.1684 ug/mL	95
70) Phenanthrene	7.321	178	1529829	39.7840 ug/mL	100
71) Anthracene	7.353	178	1561893	38.9987 ug/mL	99
72) Carbazole	7.461	167	1649150	43.6927 ug/mL	99
73) Dinbtylphthal	7.694	149	2139917	41.7351 ug/mL	100
74) Fluoranthene	8.009	202	1845883	40.8349 ug/mL	98
76) Benzidine	8.111	184	480815	45.5792 ug/mL	98
77) Pyrene	8.137	202	1554359	43.0662 ug/mL	98
79) Btylbzylphth	8.486	149	509364	50.3909 ug/mL	95
80) bis2Ethlhxlad	8.540	129	376211	45.8247 ug/mL	99
81) 33Diclbnzidin	8.742	252	218777	50.1743 ug/mL	92
82) B[a]anthracen	8.734	228	826821	50.7543 ug/mL	99
83) Chrysene	8.759	228	703992	46.4807 ug/mL	99
84) bis2Ethlhxlph	8.793	149	647868	48.0847 ug/mL	99
85) Dinoctylphthl	9.146	149	1280221	51.1210 ug/mL	100
87) B[b]fluoranth	9.305	252	902613	47.1231 ug/mL	97
88) B[k]fluoranth	9.305	252	902027	51.0537 ug/mL	98
89) Benz[a]pyrene	9.475	252	817561	43.6845 ug/mL	98
90) Indeno-pyrene	10.058	276	937556	45.5032 ug/mL	99
91) Dib[ah]anthr	10.075	278	665828	43.5030 ug/mL	96
92) B[ghi]perylen	10.191	276	817679	44.3306 ug/mL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL7.D Vial: 11
Acq On : 5 Aug 2013 15:03 Operator: RPN
Sample : ICAL 50ug/ml SVMS5743 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:06:43 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:05:24 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL6.D Vial: 12
Acq On : 5 Aug 2013 15:21 Operator: RPN
Sample : ICAL 40ug/ml SVMS5742 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:08:25 2013

RPN
08/05/13

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:07:02 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.755	152	165502	20.00	ug/mL	0.00
21) Naphthalened8	4.145	136	614175	20.00	ug/mL	0.00
39) Acenaphthened10	6.310	164	489841	20.00	ug/mL	0.00
63) Phenanthrd10	7.304	188	746173	20.00	ug/mL	0.00
75) Chrysene-d12	8.742	240	290154	20.00	ug/mL	0.00
86) Perylene-d12	9.501	264	339373	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.903	112	484222	107.34	%REC	0.00
Spiked Amount 100.000	Range 20 - 110		Recovery = 107.34%			
7) SURRPhenol-d5	2.508	99	466513	96.94	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 96.94%			
22) SURRNitrbenzened5	3.315	82	351749	196.54	%REC	0.01
Spiked Amount 100.000	Range 40 - 110		Recovery = 196.54%#			
44) SURR2Flbiphenyl	5.733	172	1123598	174.38	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 174.38%#			
62) SURR246Tribrphenl	6.887	330	146596	88.09	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 88.09%			
78) SURRTerphenyl-d14	8.233	244	536090	185.31	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 185.31%#			
Target Compounds						Qvalue
2) Ntrsdimeth	1.320	74	257961	42.8132	ug/mL	95
3) Pyridine	1.312	79	496508	43.7053	ug/mL	93
5) Aniline	2.499	93	584220	39.4538	ug/mL	87
6) bis2Clethletr	2.570	93	377115	37.5763	ug/mL	97
8) Phenol	2.519	94	537797	38.1201	ug/mL	98
9) 2-Cl-phenol	2.585	128	461719	38.3573	ug/mL	97
10) 13Diclbenz	2.701	146	520462	37.0917	ug/mL	98
11) 14Diclbenz	2.769	146	492008	37.0656	ug/mL	99
12) 12Diclbenz	2.897	146	498190	37.9047	ug/mL	99
13) Benzyl alcoho	2.926	108	251204	43.3039	ug/mL	97
14) bis2clispreth	3.056	45	630422	37.4158	ug/mL	92
15) 2Methylphenol	3.054	107	299342	32.0709	ug/mL	96
16) Ntrspyrrol	3.173	100	167863	38.8638	ug/mL	91
17) Acetophenone	3.173	105	503575	39.2501	ug/mL	100
18) Hexaclethane	3.218	117	180068	35.9296	ug/mL	95
19) N-Ntrsdinprop	3.207	70	224500	38.4526	ug/mL	94
20) 3&4Methylphenol	3.235	107	366926	39.3446	ug/mL	97
23) Nitrobenzene	3.338	77	333232	38.5188	ug/mL	98
24) Isophorone	3.639	82	663723	40.0868	ug/mL	98
25) 2-Nitrophenol	3.699	139	249659	40.8755	ug/mL	98
26) 24Dimthpheno	3.843	122	354228	41.9791	ug/mL	97
27) bis2clethoxym	3.954	93	463018	39.6693	ug/mL	96
28) 24Diclphenol	4.017	162	382878	39.5264	ug/mL	96
29) 124Triclbenz	4.093	180	399434	36.6891	ug/mL	98
30) Benzoic acid	4.156	122	209728	40.3046	ug/mL	81
31) Naphthalene	4.173	128	1099010	37.1866	ug/mL	99
32) 4-Cl-aniline	4.318	127	485423	38.9113	ug/mL	98
33) 26Diclphenol	4.307	162	302303	38.1958	ug/mL	98
34) Hexaclprop	4.295	213	260844	39.7495	ug/mL	98
35) Hexaclbutdien	4.383	225	219327	37.7252	ug/mL	96
36) 4Cl3methylphe	5.116	107	443578	41.8145	ug/mL	98
37) 2Methylnaphth	5.176	142	1107183	44.1324	ug/mL	97
38) 1Methylnaphth	5.324	141	954545	35.9400	ug/mL	98
40) Hxclcycpentdi	5.437	237	300153	41.8700	ug/mL	95

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL6.D Vial: 12
Acq On : 5 Aug 2013 15:21 Operator: RPN
Sample : ICAL 40ug/ml SVMS5742 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:08:25 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:07:02 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

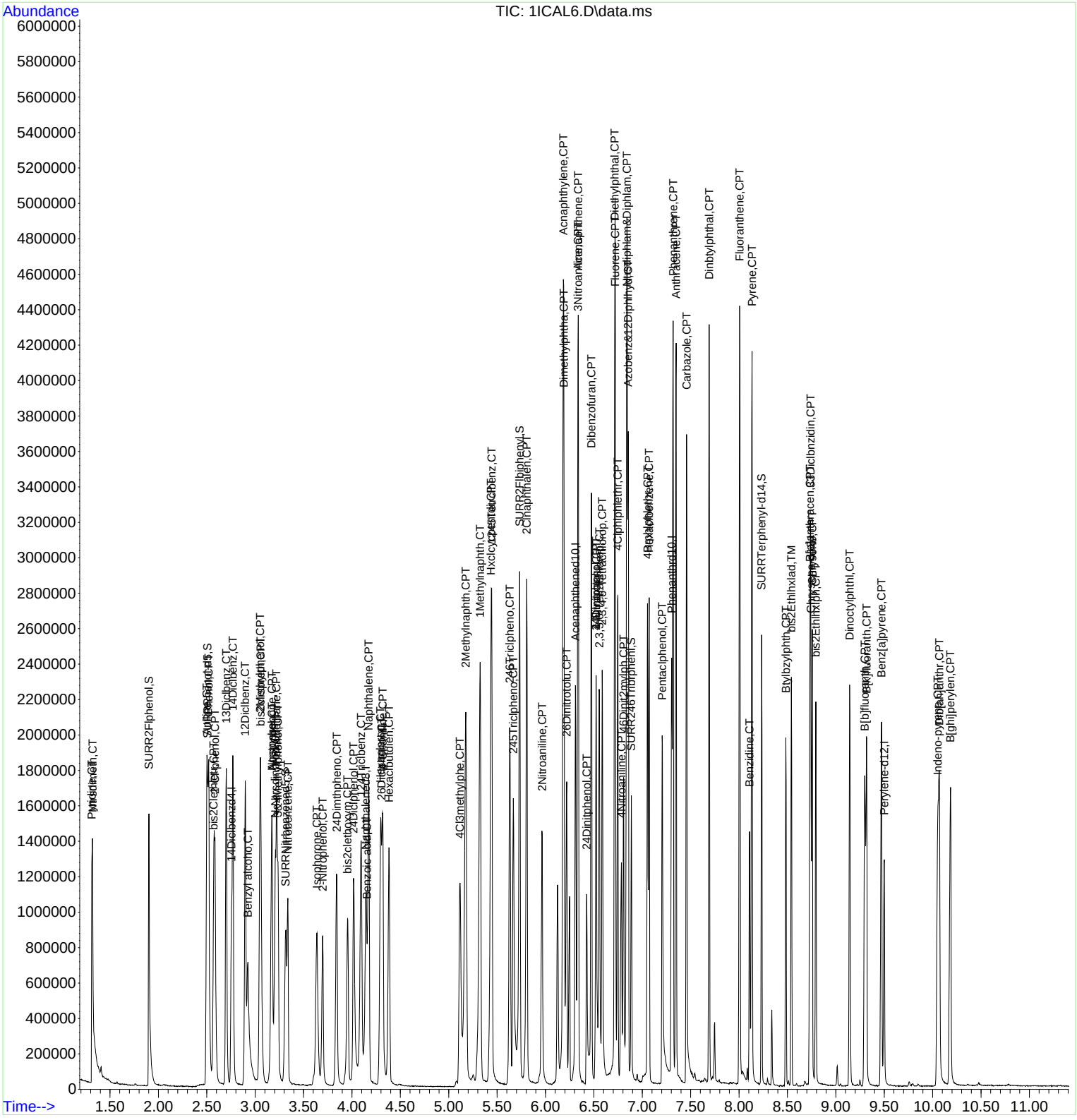
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1245Tetrclbenz	5.443	216	525528	34.9009	ug/mL	99
42) 246Triclpheno	5.631	196	380063	39.4223	ug/mL	99
43) 245Triclpheno	5.668	196	420847	40.7498	ug/mL	98
45) 2Clnaphthalen	5.807	162	1045761	35.9657	ug/mL	99
46) 2Nitroaniline	5.966	65	236527	41.0976	ug/mL	98
47) Acnaphthylene	6.185	152	1358719	39.3498	ug/mL	99
48) Dimethylphtha	6.190	163	880578	38.1684	ug/mL	99
49) 26Dinitrotolu	6.219	165	259621	36.2807	ug/mL	95
50) Acenaphthene	6.338	154	777394	35.8737	ug/mL	97
51) 3Nitroaniline	6.335	138	231043	34.7083	ug/mL	99
52) 24Dinitphenol	6.426	184	184676	41.0949	ug/mL	97
53) Dibenzofuran	6.475	168	1320037	35.3427	ug/mL	98
54) 24Dinitrotolu	6.523	165	330129	36.7649	ug/mL	90
55) 4-Nitrophenol	6.523	139	205084	72.9582	ug/mL	93
56) 2,3,5,6-Tetrachlorop	6.557	232	280353	39.9258	ug/mL	96
57) 2,3,4,6-Tetrachlorop	6.585	232	305086	36.2597	ug/mL	95
58) Fluorene	6.719	166	852330	38.3739	ug/mL	99
59) 4Clphlphlethr	6.747	204	447011	38.1387	ug/mL	98
60) Diethylphthal	6.716	149	861473	38.4369	ug/mL	99
61) 4Nitroaniline	6.784	138	278700	42.2182	ug/mL	99
64) 46Dinit2mylph	6.807	198	203013	39.7675	ug/mL	93
65) Ntrsdiphlam&Diphlam	6.841	169	949395	76.6824	ug/mL	99
66) Azobenz&12Diphlhyd	6.855	182	354891	79.7968	ug/mL	93
67) 4Brphlphlethr	7.054	248	289564	34.7484	ug/mL	98
68) Hexaclbenzene	7.071	284	288374	32.5982	ug/mL	98
69) Pentaclphenol	7.208	266	233150	42.1730	ug/mL	97
70) Phenanthrene	7.319	178	1285914	33.6460	ug/mL	100
71) Anthracene	7.350	178	1339054	33.6398	ug/mL	100
72) Carbazole	7.458	167	1333988	35.5596	ug/mL	98
73) Dinbtylphthal	7.691	149	1737246	34.0896	ug/mL	100
74) Fluoranthene	8.006	202	1561387	34.7532	ug/mL	99
76) Benzidine	8.108	184	460824	43.1834	ug/mL	98
77) Pyrene	8.134	202	1325251	36.2974	ug/mL	98
79) Btylbzylphth	8.483	149	391431	38.2801	ug/mL	98
80) bis2Ethlhxlad	8.540	129	314744	37.8982	ug/mL	100
81) 33Diclbnzidin	8.739	252	172120	39.0215	ug/mL	96
82) B[a]anthracen	8.734	228	652411	39.5891	ug/mL	99
83) Chrysene	8.756	228	576083	37.5996	ug/mL	99
84) bis2Ethlhxlph	8.793	149	544131	39.9224	ug/mL	96
85) Dinoctylphthl	9.143	149	1046568	41.3119	ug/mL	99
87) B[b]fluoranth	9.299	252	678821	35.1449	ug/mL	99
88) B[k]fluoranth	9.319	252	586550	32.9221	ug/mL	99
89) Benz[a]pyrene	9.472	252	667413	35.3652	ug/mL	99
90) Indeno-pyrene	10.052	276	770181	37.0691	ug/mL	97
91) Dib[ah]anthr	10.069	278	564740	36.5916	ug/mL	98
92) B[ghi]perylen	10.185	276	666813	35.8508	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL6.D Vial: 12
Acq On : 5 Aug 2013 15:21 Operator: RPN
Sample : ICAL 40ug/ml SVMS5742 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:08:25 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:07:02 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL5.D Vial: 13
Acq On : 5 Aug 2013 15:39 Operator: RPN
Sample : ICAL 30ug/ml SVMS5741 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:08:57 2013

RPN
08/05/13

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:08:49 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.752	152	180971	20.00	ug/mL	0.00
21) Naphthalened8	4.145	136	700561	20.00	ug/mL	0.00
39) Acenaphthened10	6.310	164	550873	20.00	ug/mL	0.00
63) Phenanthrd10	7.304	188	833612	20.00	ug/mL	0.00
75) Chrysene-d12	8.742	240	335760	20.00	ug/mL	0.00
86) Perylene-d12	9.498	264	378019	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.903	112	405086	82.12	%REC	0.00
Spiked Amount 100.000	Range 20 - 110		Recovery = 82.12%			
7) SURRPhenol-d5	2.505	99	395790	75.22	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 75.22%			
22) SURRNitrbenzened5	3.312	82	307382	150.49	%REC	0.01
Spiked Amount 100.000	Range 40 - 110		Recovery = 150.49%#			
44) SURR2Flbiphenyl	5.733	172	1012310	139.72	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 139.72%#			
62) SURR246Tribrphenl	6.887	330	132187	70.91	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 70.91%			
78) SURRTerphenyl-d14	8.233	244	482496	144.20	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 144.20%#			
Target Compounds						Qvalue
2) Ntrsdimeth	1.317	74	213561	32.4145	ug/mL	99
3) Pyridine	1.315	79	396935	31.9537	ug/mL	95
5) Aniline	2.499	93	505913	31.2452	ug/mL	86
6) bis2Clethletr	2.570	93	320886	29.2439	ug/mL	96
8) Phenol	2.517	94	457385	29.6397	ug/mL	99
9) 2-Cl-phenol	2.582	128	388622	29.5251	ug/mL	97
10) 13Diclbenz	2.698	146	454096	29.5958	ug/mL	96
11) 14Diclbenz	2.769	146	424004	29.2121	ug/mL	98
12) 12Diclbenz	2.897	146	429629	29.8942	ug/mL	98
13) Benzyl alcoho	2.923	108	214719	33.8505	ug/mL	96
14) bis2clispreth	3.054	45	548020	29.7452	ug/mL	89
15) 2Methylphenol	3.051	107	269141	26.9179	ug/mL	98
16) Ntrspyrrol	3.170	100	150079	31.7838	ug/mL	97
17) Acetophenone	3.173	105	438298	31.2466	ug/mL	99
18) Hexaclethane	3.218	117	154602	28.2126	ug/mL	94
19) N-Ntrsdinprop	3.204	70	195175	30.5755	ug/mL	98
20) 3&4Methylphenol	3.233	107	313778	30.5427	ug/mL	95
23) Nitrobenzene	3.335	77	288782	29.2676	ug/mL	99
24) Isophorone	3.633	82	576680	30.5376	ug/mL	98
25) 2-Nitrophenol	3.696	139	214437	30.7507	ug/mL	99
26) 24Dimthpheno	3.838	122	305822	31.4356	ug/mL	93
27) bis2clethoxym	3.954	93	400453	30.0811	ug/mL	98
28) 24Diclphenol	4.014	162	330847	29.9451	ug/mL	98
29) 124Triclbenz	4.093	180	353012	28.4277	ug/mL	99
30) Benzoic acid	4.128	122	182670	31.3562	ug/mL	89
31) Naphthalene	4.170	128	968979	28.7463	ug/mL	100
32) 4-Cl-aniline	4.315	127	418608	29.4245	ug/mL	97
33) 26Diclphenol	4.304	162	259255	28.7191	ug/mL	97
34) Hexaclprop	4.292	213	222446	29.7295	ug/mL	98
35) Hexaclbutdien	4.380	225	190232	28.6995	ug/mL	98
36) 4Cl3methylphe	5.114	107	384916	31.7743	ug/mL	98
37) 2Methylnaphth	5.176	142	997534	33.9257	ug/mL	100
38) 1Methylnaphth	5.321	141	854735	28.2151	ug/mL	99
40) Hxclcycpentdi	5.435	237	268887	33.3797	ug/mL	93

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL5.D Vial: 13
Acq On : 5 Aug 2013 15:39 Operator: RPN
Sample : ICAL 30ug/ml SVMS5741 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:08:57 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:08:49 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

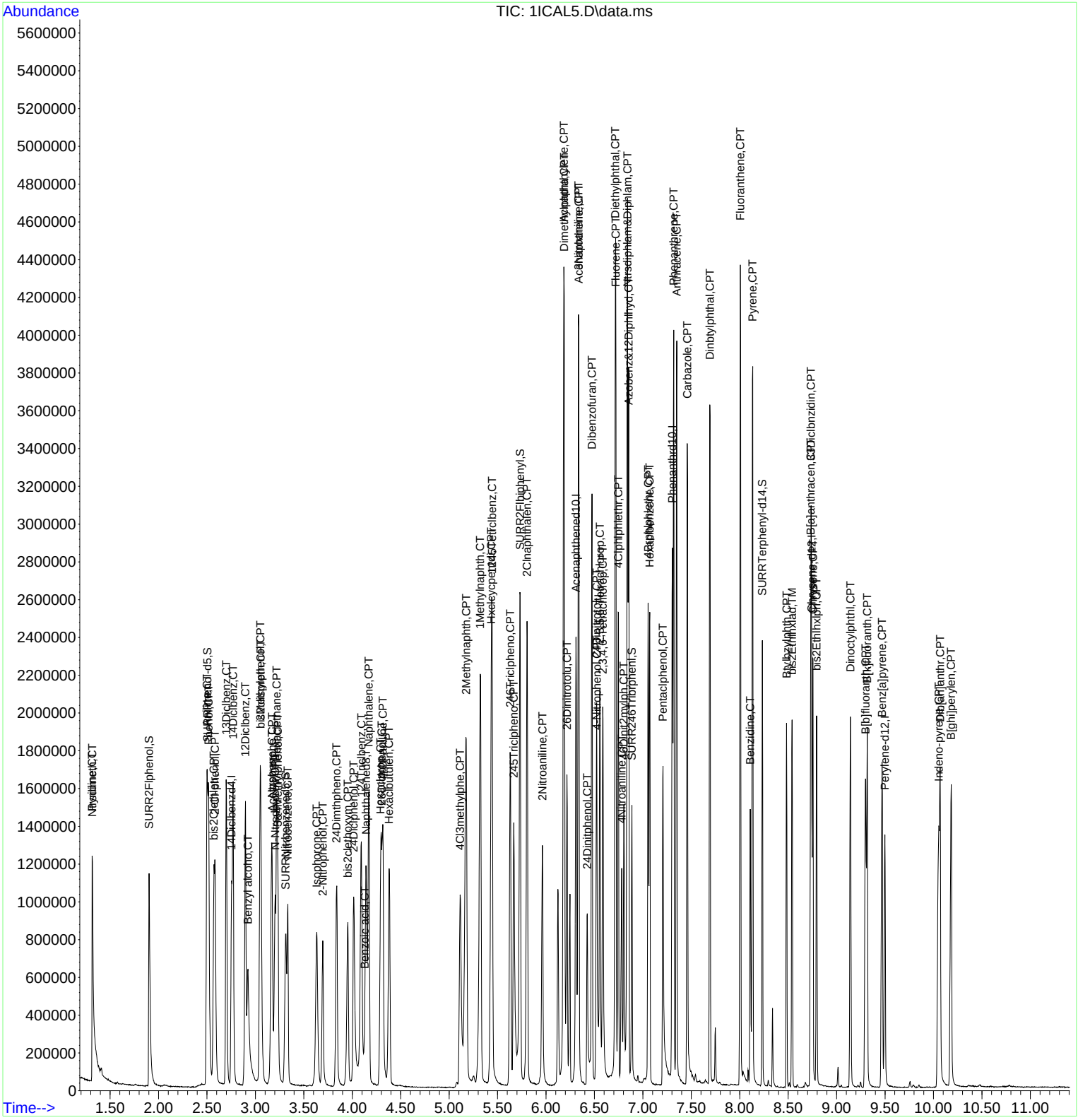
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1245Tetrclbenz	5.443	216	475446	28.0788 ug/mL	99
42) 246Triclpheno	5.631	196	332736	30.6936 ug/mL	100
43) 245Triclpheno	5.668	196	369050	31.8160 ug/mL	99
45) 2Clnaphthalen	5.804	162	920303	28.1478 ug/mL	98
46) 2Nitroaniline	5.963	65	213221	32.9533 ug/mL	99
47) Acnaphthylene	6.185	152	1207965	28.1432 ug/mL	99
48) Dimethylphtha	6.188	163	794674	27.3314 ug/mL	100
49) 26Dinitrotolu	6.216	165	228252	28.3667 ug/mL	96
50) Acenaphthene	6.338	154	698007	26.3022 ug/mL	98
51) 3Nitroaniline	6.335	138	204476	27.3221 ug/mL	99
52) 24Dinitphenol	6.426	184	158203	30.7672 ug/mL	98
53) Dibenzofuran	6.475	168	1155453	27.5117 ug/mL	98
54) 24Dinitrotolu	6.523	165	305838	30.2900 ug/mL	94
55) 4-Nitrophenol	6.526	139	187260	51.3825 ug/mL	99
56) 2,3,5,6-Tetrachlorop	6.557	232	248704	31.4941 ug/mL	97
57) 2,3,4,6-Tetrachlorop	6.588	232	270040	28.4670 ug/mL	96
58) Fluorene	6.719	166	791693	28.5518 ug/mL	99
59) 4Clphlphlethr	6.747	204	424452	29.7731 ug/mL	95
60) Diethylphthal	6.716	149	785356	27.7679 ug/mL	99
61) 4Nitroaniline	6.782	138	248855	33.5510 ug/mL	97
64) 46Dinit2mylph	6.804	198	183826	32.2234 ug/mL	94
65) Ntrsdiphlam&Diphlam	6.841	169	873931	56.1322 ug/mL	98
66) Azobenz&12Diphlhyd	6.855	182	321840	58.4706 ug/mL#	78
67) 4Brphlphlethr	7.054	248	261258	28.0631 ug/mL	98
68) Hexaclbenzene	7.071	284	266893	27.0077 ug/mL	98
69) Pentaclphenol	7.208	266	205541	33.2391 ug/mL	99
70) Phenanthrene	7.319	178	1160181	27.1737 ug/mL	99
71) Anthracene	7.350	178	1193875	26.8468 ug/mL	100
72) Carbazole	7.458	167	1191558	28.4312 ug/mL	99
73) Dinbtylphthal	7.691	149	1614882	28.3646 ug/mL	100
74) Fluoranthene	8.006	202	1406069	28.0134 ug/mL	98
76) Benzidine	8.108	184	459866	37.2329 ug/mL	99
77) Pyrene	8.134	202	1211000	28.6812 ug/mL	99
79) Btylbzylphth	8.484	149	365887	30.9402 ug/mL	99
80) bis2Ethlhxlad	8.540	129	289533	30.1443 ug/mL	100
81) 33Diclbnzidin	8.736	252	145949	28.6111 ug/mL	96
82) B[a]anthracen	8.734	228	573869	30.1158 ug/mL	98
83) Chrysene	8.756	228	515981	29.1219 ug/mL	99
84) bis2Ethlhxlph	8.793	149	481246	30.5340 ug/mL	99
85) Dinoctylphthl	9.143	149	920360	31.4180 ug/mL	100
87) B[b]fluoranth	9.299	252	637610	29.6379 ug/mL	99
88) B[k]fluoranth	9.316	252	493020	24.8447 ug/mL	99
89) Benz[a]pyrene	9.470	252	599450	28.5176 ug/mL	98
90) Indeno-pyrene	10.055	276	676504	29.2327 ug/mL	98
91) Dib[ah]anthr	10.069	278	502458	29.2288 ug/mL	95
92) B[ghi]perylen	10.183	276	591013	28.5399 ug/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL5.D Vial: 13
Acq On : 5 Aug 2013 15:39 Operator: RPN
Sample : ICAL 30ug/ml SVMS5741 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:08:57 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:08:49 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL4.D Vial: 14
Acq On : 5 Aug 2013 15:57 Operator: RPN
Sample : ICAL 20ug/ml SVMS5740 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:09:53 2013

RPN
08/05/13

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:09:19 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.752	152	158654	20.00	ug/mL	0.00
21) Naphthalened8	4.139	136	591736	20.00	ug/mL	0.00
39) Acenaphthened10	6.307	164	467252	20.00	ug/mL	0.00
63) Phenanthrd10	7.302	188	738263	20.00	ug/mL	0.00
75) Chrysene-d12	8.739	240	298144	20.00	ug/mL	0.00
86) Perylene-d12	9.495	264	321526	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.903	112	242868	56.16	%REC	0.00
Spiked Amount 100.000	Range 20 - 110		Recovery = 56.16%			
7) SURRPhenol-d5	2.502	99	244189	52.93	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 52.93%			
22) SURRNitrbenzened5	3.306	82	183153	106.17	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 106.17%			
44) SURR2Flbiphenyl	5.727	172	645134	104.94	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 104.94%			
62) SURR246Tribrphenl	6.881	330	82541	52.40	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 52.40%			
78) SURRTerphenyl-d14	8.231	244	313799	105.60	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 105.60%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.317	74	124670	21.5843	ug/mL	100
3) Pyridine	1.315	79	225119	20.6602	ug/mL	100
5) Aniline	2.497	93	300615	21.1775	ug/mL	100
6) bis2Clethletr	2.568	93	198274	20.6336	ug/mL	100
8) Phenol	2.514	94	284423	21.0139	ug/mL	100
9) 2-Cl-phenol	2.582	128	239870	20.7873	ug/mL	100
10) 13Diclbenz	2.698	146	273967	20.3675	ug/mL	100
11) 14Diclbenz	2.767	146	265081	20.8319	ug/mL	100
12) 12Diclbenz	2.897	146	260920	20.7089	ug/mL	100
13) Benzyl alcoho	2.917	108	124124	22.3207	ug/mL	100
14) bis2clispreth	3.053	45	326277	20.2011	ug/mL	100
15) 2Methylphenol	3.048	107	154037	17.9839	ug/mL	100
16) Ntrspyrrol	3.159	100	91575	22.1169	ug/mL	100
17) Acetophenone	3.164	105	265995	21.6308	ug/mL	100
18) Hexaclethane	3.218	117	98397	20.4815	ug/mL	100
19) N-Ntrsdinprop	3.196	70	116954	20.8989	ug/mL	100
20) 3&4Methylphenol	3.221	107	192387	21.2332	ug/mL	100
23) Nitrobenzene	3.329	77	174920	20.9888	ug/mL	100
24) Isophorone	3.622	82	328940	20.6220	ug/mL	100
25) 2-Nitrophenol	3.693	139	127836	21.7067	ug/mL	100
26) 24Dimthpheno	3.832	122	173853	20.9616	ug/mL	100
27) bis2clethoxym	3.949	93	244039	21.7046	ug/mL	100
28) 24Diclphenol	4.011	162	200345	21.4677	ug/mL	100
29) 124Triclbenz	4.091	180	221206	21.0894	ug/mL	100
30) Benzoic acid	4.094	122	105299	21.8999	ug/mL	100
31) Naphthalene	4.165	128	598079	21.0061	ug/mL	100
32) 4-Cl-aniline	4.309	127	254869	21.2094	ug/mL	100
33) 26Diclphenol	4.301	162	161889	21.2310	ug/mL	100
34) Hexaclprop	4.290	213	131871	20.8640	ug/mL	100
35) Hexaclbutdien	4.381	225	115038	20.5561	ug/mL	100
36) 4Cl3methylphe	5.111	107	225768	22.0284	ug/mL	100
37) 2Methylnaphth	5.170	142	614553	24.0093	ug/mL	100
38) 1Methylnaphth	5.318	141	535641	20.9331	ug/mL	100
40) Hxclcycpentdi	5.435	237	159415	23.3218	ug/mL	100

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL4.D Vial: 14
Acq On : 5 Aug 2013 15:57 Operator: RPN
Sample : ICAL 20ug/ml SVMS5740 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:09:53 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:09:19 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

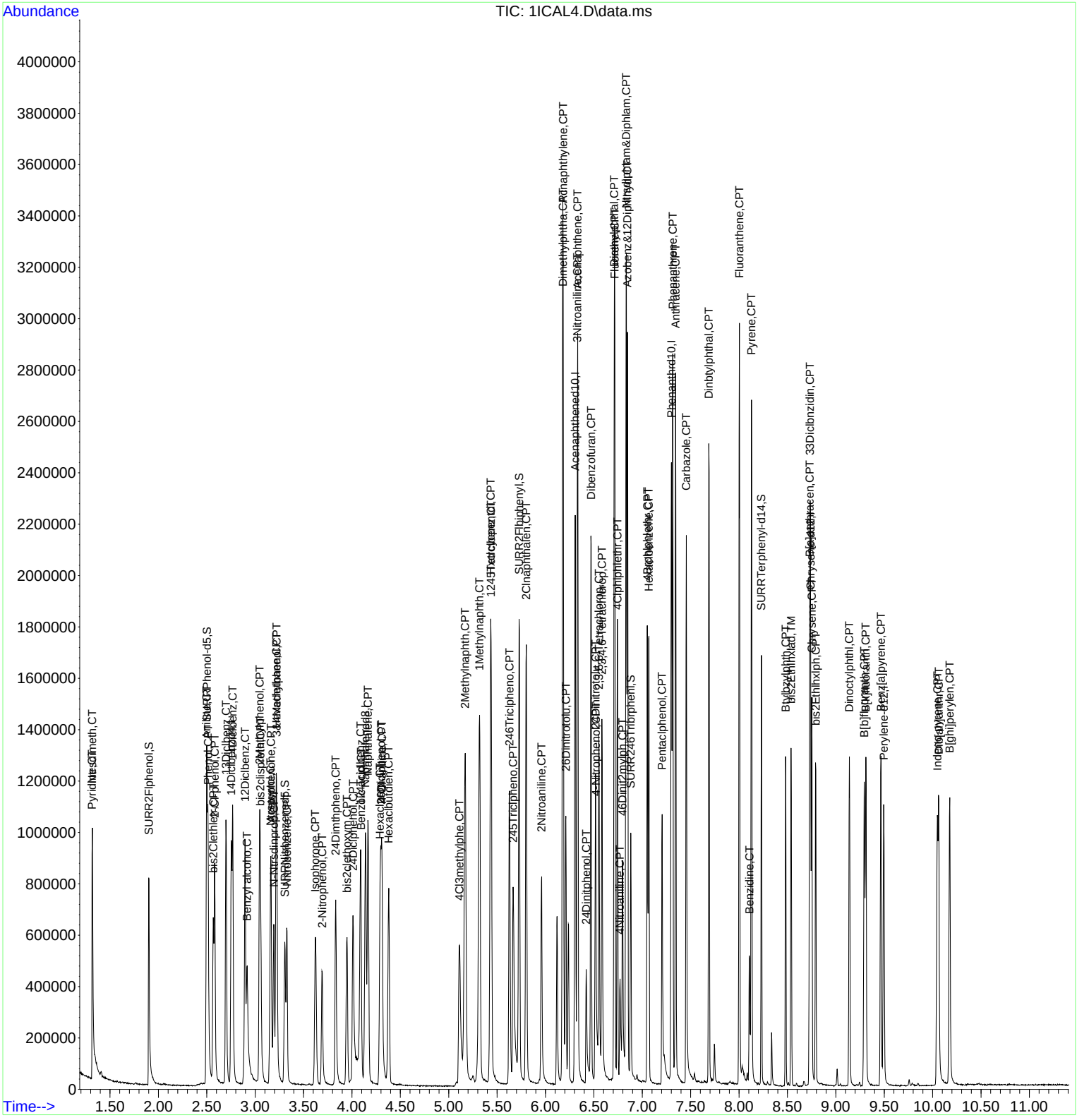
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1245Tetrclbenz	5.438	216	295950	20.5975	ug/mL	100
42) 246Triclpheno	5.628	196	197406	21.4621	ug/mL	100
43) 245Triclpheno	5.665	196	223165	22.6623	ug/mL	99
45) 2Clnaphthalen	5.801	162	589595	21.2535	ug/mL	100
46) 2Nitroaniline	5.960	65	121616	22.1838	ug/mL	100
47) Acnaphthylene	6.182	152	810689	20.9214	ug/mL	100
48) Dimethylphtha	6.179	163	554915	21.1888	ug/mL	100
49) 26Dinitrotolu	6.210	165	145445	21.3037	ug/mL	100
50) Acenaphthene	6.333	154	465651	19.8488	ug/mL	100
51) 3Nitroaniline	6.330	138	141278	22.2592	ug/mL	100
52) 24Dinitphenol	6.421	184	86429	20.0644	ug/mL	100
53) Dibenzofuran	6.472	168	731548	20.5294	ug/mL	100
54) 24Dinitrotolu	6.517	165	189785	22.1525	ug/mL	100
55) 4-Nitrophenol	6.520	139	108858	30.6366	ug/mL	100
56) 2,3,5,6-Tetrachlorop	6.551	232	151363	22.5905	ug/mL	100
57) 2,3,4,6-Tetrachlorop	6.583	232	175064	21.7341	ug/mL	100
58) Fluorene	6.716	166	534733	21.0566	ug/mL	100
59) 4Clphlphlethr	6.745	204	273810	20.9303	ug/mL	100
60) Diethylphthal	6.711	149	545775	21.2981	ug/mL	100
61) 4Nitroaniline	6.770	138	138638	22.0282	ug/mL	100
64) 46Dinit2mylph	6.796	198	109303	21.6217	ug/mL	100
65) Ntrsdiphlam&Diphlam	6.836	169	632794	42.7295	ug/mL	100
66) Azobenz&12Diphlhyd	6.847	182	215956	40.8899	ug/mL	100
67) 4Brphlphlethr	7.051	248	169186	20.5203	ug/mL	100
68) Hexaclbenzene	7.069	284	179663	20.5479	ug/mL	100
69) Pentaclphenol	7.205	266	119044	21.7055	ug/mL	100
70) Phenanthrene	7.316	178	750465	19.8470	ug/mL	100
71) Anthracene	7.344	178	778041	19.7555	ug/mL	100
72) Carbazole	7.455	167	717838	19.3389	ug/mL	100
73) Dinbtylphthal	7.688	149	1064701	21.1163	ug/mL	100
74) Fluoranthene	8.003	202	910338	20.4793	ug/mL	100
76) Benzidine	8.108	184	179585	16.3710	ug/mL	100
77) Pyrene	8.128	202	788139	21.0186	ug/mL	100
79) Btylbzylphth	8.481	149	226005	21.5188	ug/mL	100
80) bis2Ethlhxlad	8.538	129	185834	21.7871	ug/mL	100
81) 33Diclbnzidin	8.734	252	91025	20.0927	ug/mL	100
82) B[a]anthracen	8.731	228	355431	21.0028	ug/mL	100
83) Chrysene	8.751	228	329365	20.9318	ug/mL	100
84) bis2Ethlhxlph	8.793	149	305197	21.8040	ug/mL	100
85) Dinoctylphthl	9.140	149	587385	22.5778	ug/mL	100
87) B[b]fluoranth	9.293	252	377325	20.6263	ug/mL	100
88) B[k]fluoranth	9.310	252	363072	21.5163	ug/mL	100
89) Benz[a]pyrene	9.467	252	371068	20.7605	ug/mL	100
90) Indeno-pyrene	10.049	276	421128	21.4004	ug/mL	100
91) Dib[ah]anthr	10.063	278	324457	22.1964	ug/mL	100
92) B[ghi]perylen	10.177	276	372984	21.1946	ug/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL4.D Vial: 14
Acq On : 5 Aug 2013 15:57 Operator: RPN
Sample : ICAL 20ug/ml SVMS5740 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:09:53 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:09:19 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL3.D Vial: 15
Acq On : 5 Aug 2013 16:15 Operator: RPN
Sample : ICAL 10ug/ml SVMS5739 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:10:18 2013

RPN
08/05/13

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:10:10 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.753	152	178268	20.00	ug/mL	0.00
21) Naphthalened8	4.139	136	659658	20.00	ug/mL	0.00
39) Acenaphthened10	6.307	164	518236	20.00	ug/mL	0.00
63) Phenanthrd10	7.302	188	797006	20.00	ug/mL	0.00
75) Chrysene-d12	8.737	240	347358	20.00	ug/mL	0.00
86) Perylene-d12	9.495	264	361079	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.903	112	120428	24.78	%REC	0.00
Spiked Amount 100.000	Range 20 - 110		Recovery = 24.78%			
7) SURRPhenol-d5	2.500	99	128649	24.82	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 24.82%			
22) SURRNitrbenzened5	3.304	82	95293	49.55	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 49.55%			
44) SURR2Flbiphenyl	5.725	172	341615	50.09	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 50.09%			
62) SURR246Tribrphenl	6.881	330	45079	25.97	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 25.97%#			
78) SURRTerphenyl-d14	8.231	244	171714	49.59	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 49.59%#			
Target Compounds						Qvalue
2) Ntrsdimeth	1.320	74	60478	9.3186	ug/mL	99
3) Pyridine	1.323	79	111242	9.0775	ug/mL	91
5) Aniline	2.494	93	159473	9.9984	ug/mL	99
6) bis2Clethletr	2.565	93	109122	10.1037	ug/mL	91
8) Phenol	2.508	94	149266	9.8160	ug/mL	91
9) 2-Cl-phenol	2.579	128	127581	9.8398	ug/mL	97
10) 13Diclbenz	2.696	146	144605	9.5676	ug/mL	93
11) 14Diclbenz	2.767	146	136537	9.5495	ug/mL	97
12) 12Diclbenz	2.895	146	136257	9.6247	ug/mL	98
13) Benzyl alcoho	2.915	108	59772	9.5659	ug/mL	91
14) bis2clispreth	3.051	45	173939	9.5839	ug/mL	96
15) 2Methylphenol	3.042	107	82886	8.8476	ug/mL	96
16) Ntrspyrrol	3.145	100	45173	9.7074	ug/mL	97
17) Acetophenone	3.159	105	135959	9.8366	ug/mL	96
18) Hexaclethane	3.216	117	53943	9.9925	ug/mL	97
19) N-Ntrsdinprop	3.184	70	61245	9.7342	ug/mL	99
20) 3&4Methylphenol	3.216	107	104906	10.2103	ug/mL	97
23) Nitrobenzene	3.324	77	93569	10.0716	ug/mL	97
24) Isophorone	3.616	82	167110	9.3987	ug/mL	97
25) 2-Nitrophenol	3.690	139	63529	9.6746	ug/mL	97
26) 24Dimthpheno	3.827	122	85661	9.2851	ug/mL	95
27) bis2clethoxym	3.943	93	120879	9.6451	ug/mL	98
28) 24Diclphenol	4.008	162	102891	9.8896	ug/mL	96
29) 124Triclbenz	4.085	180	114536	9.7948	ug/mL	98
30) Benzoic acid	4.034	122	46188	8.7547	ug/mL	91
31) Naphthalene	4.162	128	305606	9.6282	ug/mL	100
32) 4-Cl-aniline	4.307	127	136576	10.1948	ug/mL	98
33) 26Diclphenol	4.298	162	85600	10.0698	ug/mL	97
34) Hexaclprop	4.290	213	68726	9.7651	ug/mL	95
35) Hexaclbutdien	4.378	225	62347	10.0004	ug/mL	96
36) 4Cl3methylphe	5.114	107	110489	9.6566	ug/mL	99
37) 2Methylnaphth	5.168	142	314392	10.6478	ug/mL	96
38) 1Methylnaphth	5.316	141	273386	9.5836	ug/mL	100
40) Hxclcycpentdi	5.432	237	78396	10.3407	ug/mL	96

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL3.D Vial: 15
Acq On : 5 Aug 2013 16:15 Operator: RPN
Sample : ICAL 10ug/ml SVMS5739 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:10:18 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:10:10 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

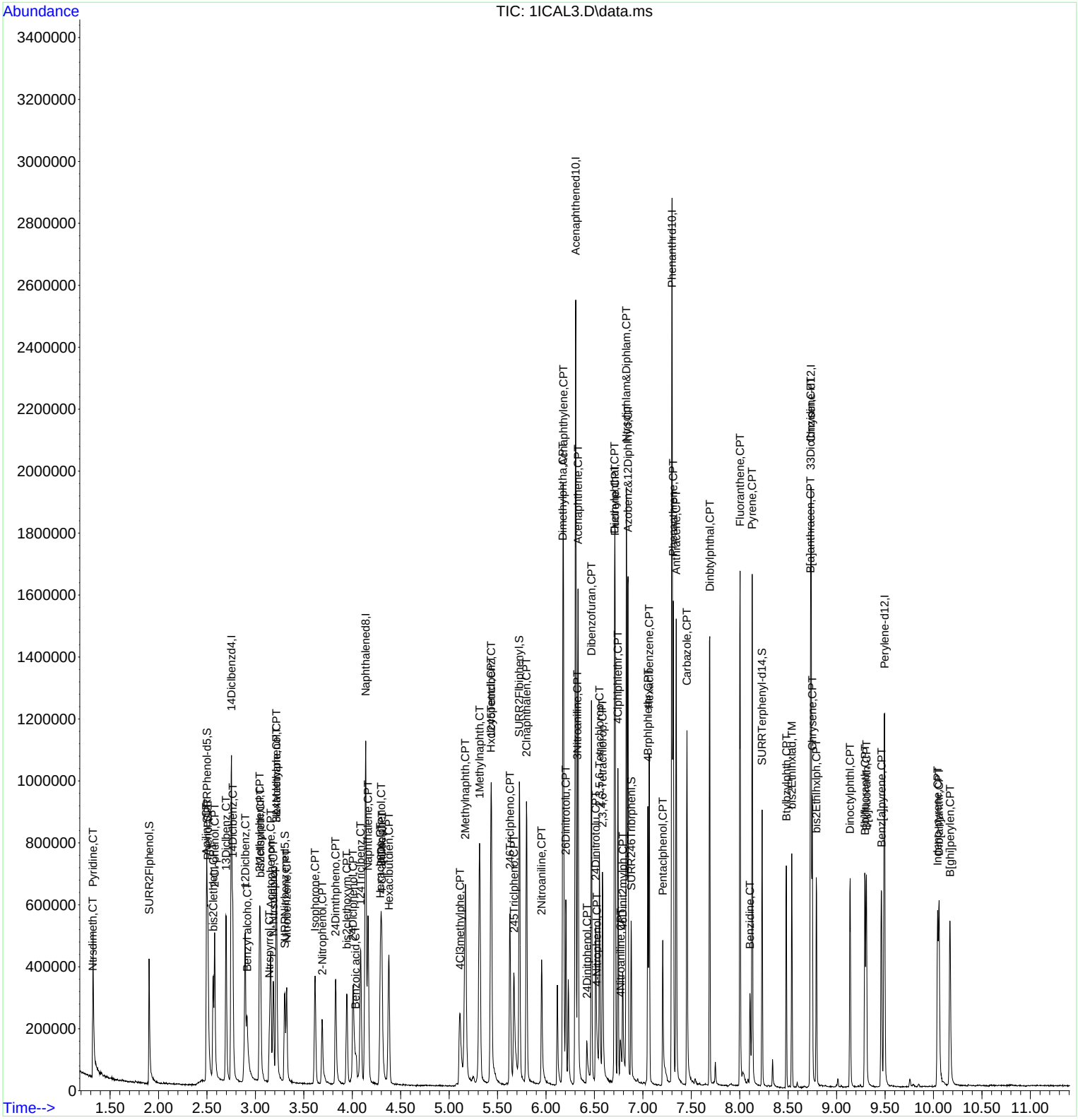
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1245Tetrclbenz	5.435	216	161951	10.1600	ug/mL	97
42) 246Triclpheno	5.628	196	99909	9.7917	ug/mL	99
43) 245Triclpheno	5.671	196	112987	10.3250	ug/mL	99
45) 2Clnaphthalen	5.799	162	314319	10.2137	ug/mL	98
46) 2Nitroaniline	5.955	65	62533	10.2892	ug/mL	97
47) Acnaphthylene	6.179	152	463970	9.7801	ug/mL	98
48) Dimethylphtha	6.174	163	324799	10.0121	ug/mL	99
49) 26Dinitrotolu	6.205	165	74032	9.7749	ug/mL	98
50) Acenaphthene	6.330	154	255502	9.1091	ug/mL	99
51) 3Nitroaniline	6.324	138	76150	10.8152	ug/mL	96
52) 24Dinitphenol	6.424	184	36587	9.1294	ug/mL	92
53) Dibenzofuran	6.469	168	407958	10.3203	ug/mL	98
54) 24Dinitrotolu	6.515	165	98761	10.3915	ug/mL	97
55) 4-Nitrophenol	6.526	139	49898	11.1531	ug/mL	92
56) 2,3,5,6-Tetrachlorop	6.552	232	76289	10.2610	ug/mL	98
57) 2,3,4,6-Tetrachlorop	6.583	232	92737	10.3213	ug/mL	98
58) Fluorene	6.714	166	307705	9.7579	ug/mL	99
59) 4Clphlphlethr	6.742	204	154549	9.6614	ug/mL	98
60) Diethylphthal	6.708	149	319341	10.0377	ug/mL	99
61) 4Nitroaniline	6.770	138	63514	9.0927	ug/mL	93
64) 46Dinit2mylph	6.793	198	53752	9.8443	ug/mL	97
65) Ntrsdiphlam&Diphlam	6.830	169	358133	19.7781	ug/mL	99
66) Azobenz&12Diphlhyd	6.847	182	125497	19.9187	ug/mL#	79
67) 4Brphlphlethr	7.052	248	90564	10.1706	ug/mL	96
68) Hexaclbenzene	7.066	284	99238	10.5115	ug/mL	98
69) Pentaclphenol	7.205	266	54030	9.1183	ug/mL	98
70) Phenanthrene	7.313	178	423371	10.3679	ug/mL	99
71) Anthracene	7.344	178	439750	10.3395	ug/mL	98
72) Carbazole	7.455	167	392333	9.7859	ug/mL	98
73) Dinbtylphthal	7.691	149	571325	10.4916	ug/mL	100
74) Fluoranthene	8.004	202	489343	10.1947	ug/mL	99
76) Benzidine	8.106	184	117674	9.2107	ug/mL	100
77) Pyrene	8.129	202	439168	10.0511	ug/mL	98
79) Btylbzylphth	8.481	149	120282	9.8282	ug/mL	99
80) bis2Ethlhxlad	8.538	129	98439	9.9042	ug/mL	99
81) 33Diclbnzidin	8.734	252	47232	8.9446	ug/mL	96
82) B[a]anthracen	8.731	228	179537	9.1060	ug/mL	97
83) Chrysene	8.748	228	185528	10.1185	ug/mL	98
84) bis2Ethlhxlph	8.791	149	160232	9.8238	ug/mL	95
85) Dinoctylphthl	9.140	149	295231	9.7385	ug/mL	100
87) B[b]fluoranth	9.294	252	185955	9.0514	ug/mL	98
88) B[k]fluoranth	9.308	252	181109	9.5569	ug/mL	99
89) Benz[a]pyrene	9.464	252	199626	9.9451	ug/mL	100
90) Indeno-pyrene	10.044	276	216844	9.8133	ug/mL	97
91) Dib[ah]anthr	10.058	278	175606	10.6971	ug/mL	94
92) B[ghi]perylen	10.172	276	196536	9.9346	ug/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL3.D Vial: 15
Acq On : 5 Aug 2013 16:15 Operator: RPN
Sample : ICAL 10ug/ml SVMS5739 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:10:18 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:10:10 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL2.D Vial: 16
Acq On : 5 Aug 2013 16:33 Operator: RPN
Sample : ICAL 5ug/ml SVMS5738 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:12:58 2013

RPN
08/05/13

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:12:54 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.752	152	179713	20.00	ug/mL	0.00
21) Naphthalened8	4.136	136	651473	20.00	ug/mL	0.00
39) Acenaphthened10	6.307	164	528216	20.00	ug/mL	0.00
63) Phenanthrd10	7.301	188	823508	20.00	ug/mL	0.00
75) Chrysene-d12	8.736	240	378139	20.00	ug/mL	0.00
86) Perylene-d12	9.495	264	363864	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.903	112	58888	12.02	%REC	0.00
Spiked Amount 100.000	Range 20 - 110		Recovery = 12.02%#			
7) SURRPhenol-d5	2.499	99	67256	12.87	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 12.87%			
22) SURRNitrbenzened5	3.301	82	49521	26.23	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 26.23%#			
44) SURR2Flbiphenyl	5.727	172	190813	27.48	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 27.48%#			
62) SURR246Tribrphenl	6.878	330	23678	13.55	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 13.55%#			
78) SURRTerphenyl-d14	8.231	244	99174	26.30	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 26.30%#			
Target Compounds						Qvalue
2) Ntrsdimeth	1.320	74	29819	4.5576	ug/mL	95
3) Pyridine	1.329	79	55625	4.5305	ug/mL	90
5) Aniline	2.497	93	79172	4.9239	ug/mL#	38
6) bis2Clethletr	2.562	93	55645	5.1166	ug/mL	94
8) Phenol	2.511	94	80690	5.2610	ug/mL	94
9) 2-Cl-phenol	2.579	128	68421	5.2346	ug/mL	97
10) 13Diclbenz	2.698	146	80225	5.2653	ug/mL	93
11) 14Diclbenz	2.766	146	76270	5.2913	ug/mL	99
12) 12Diclbenz	2.894	146	75417	5.2843	ug/mL	96
13) Benzyl alcoho	2.914	108	28351	4.5008	ug/mL	96
14) bis2clispreth	3.051	45	94032	5.1391	ug/mL	97
15) 2Methylphenol	3.045	107	44666	5.1376	ug/mL	96
16) Ntrspyrrol	3.142	100	23919	5.1107	ug/mL	91
17) Acetophenone	3.156	105	75123	5.3746	ug/mL	98
18) Hexaclethane	3.213	117	30043	5.5305	ug/mL	97
19) N-Ntrsdinprop	3.181	70	31676	4.9941	ug/mL	90
20) 3&4Methylphenol	3.215	107	56277	5.3650	ug/mL	94
23) Nitrobenzene	3.321	77	48288	5.2550	ug/mL	97
24) Isophorone	3.610	82	88456	5.0314	ug/mL	99
25) 2-Nitrophenol	3.690	139	33495	5.1638	ug/mL	94
26) 24Dimthpheno	3.826	122	44117	4.8533	ug/mL	90
27) bis2clethoxym	3.943	93	63632	5.1399	ug/mL	96
28) 24Diclphenol	4.008	162	52705	5.1283	ug/mL	98
29) 124Triclbenz	4.088	180	61877	5.3569	ug/mL	99
30) Benzoic acid	4.008	122	17374	3.8218	ug/mL	96
31) Naphthalene	4.162	128	168507	5.3759	ug/mL	99
32) 4-Cl-aniline	4.307	127	69006	5.2145	ug/mL	94
33) 26Diclphenol	4.298	162	44928	5.3503	ug/mL	94
34) Hexaclprop	4.290	213	36792	5.2925	ug/mL	98
35) Hexaclbutdien	4.378	225	32493	5.2831	ug/mL	96
36) 4Cl3methylphe	5.114	107	56496	4.9378	ug/mL	97
37) 2Methylnaphth	5.165	142	175480	5.5189	ug/mL	93
38) 1Methylnaphth	5.315	141	156105	5.5397	ug/mL	98
40) Hxclcycpentdi	5.432	237	37953	4.9143	ug/mL	93

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL2.D Vial: 16
Acq On : 5 Aug 2013 16:33 Operator: RPN
Sample : ICAL 5ug/ml SVMS5738 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:12:58 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:12:54 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

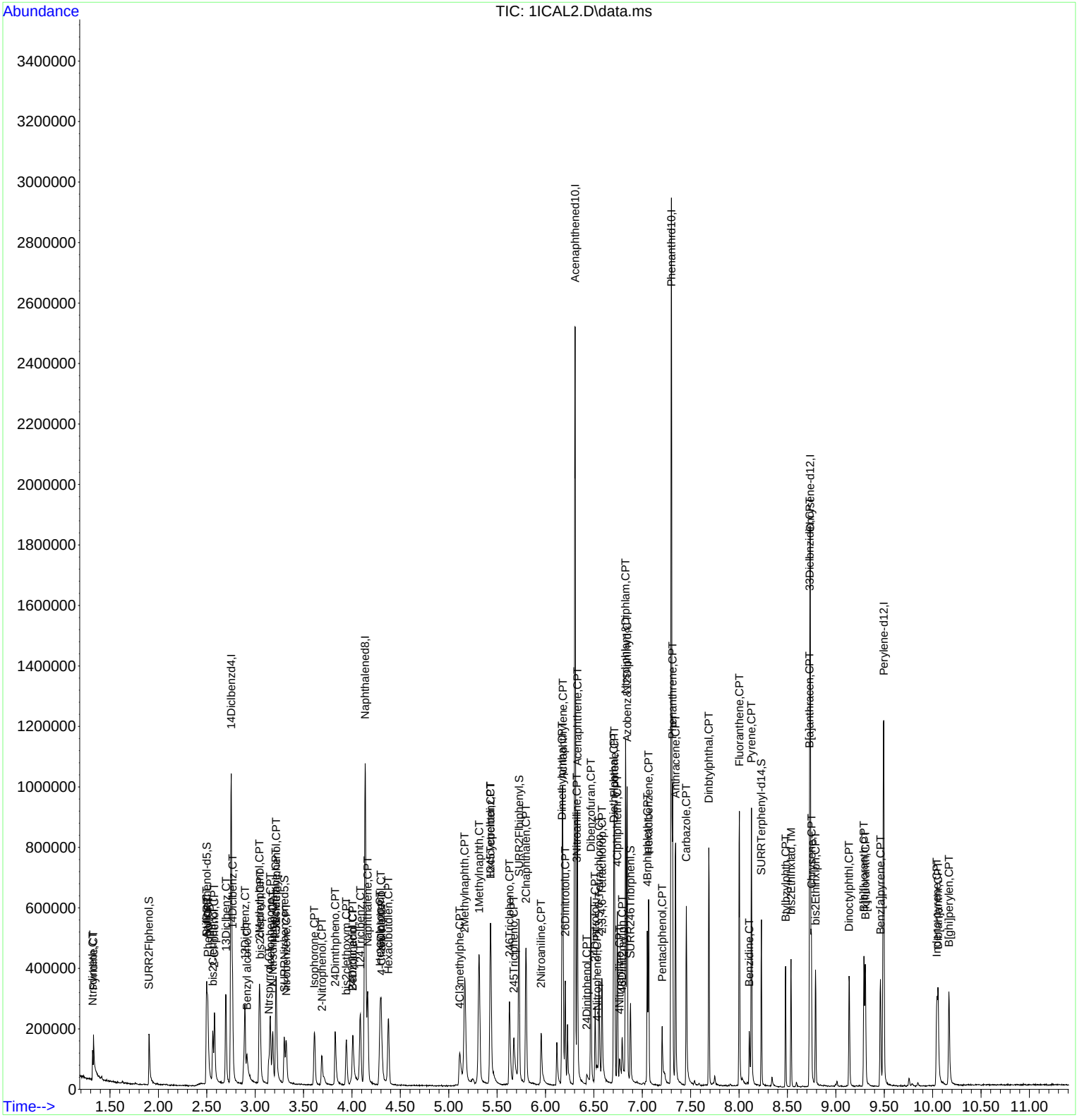
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1245Tetrclbenz	5.432	216	92729	5.7074 ug/mL	96
42) 246Triclpheno	5.628	196	53120	5.1119 ug/mL	97
43) 245Triclpheno	5.673	196	56561	4.9783 ug/mL	97
45) 2Clnaphthalen	5.798	162	166761	5.3216 ug/mL	99
46) 2Nitroaniline	5.955	65	31837	5.1474 ug/mL	98
47) Acnaphthylene	6.179	152	271199	5.3141 ug/mL	100
48) Dimethylphtha	6.171	163	188815	5.3938 ug/mL	100
49) 26Dinitrotolu	6.205	165	41428	5.3717 ug/mL	87
50) Acenaphthene	6.330	154	141321	4.9727 ug/mL	98
51) 3Nitroaniline	6.324	138	42920	5.9869 ug/mL	98
52) 24Dinitphenol	6.426	184	15026	5.3111 ug/mL	92
53) Dibenzofuran	6.469	168	222092	5.5028 ug/mL	100
54) 24Dinitrotolu	6.511	165	51243	5.2950 ug/mL	97
55) 4-Nitrophenol	6.534	139	24360	4.4292 ug/mL	88
56) 2,3,5,6-Tetrachlorop	6.551	232	39608	5.2264 ug/mL	95
57) 2,3,4,6-Tetrachlorop	6.583	232	49519	5.4835 ug/mL	98
58) Fluorene	6.713	166	176150	5.1953 ug/mL	98
59) 4Clphlphlethr	6.742	204	86144	5.0475 ug/mL	99
60) Diethylphthal	6.705	149	174761	5.0749 ug/mL	98
61) 4Nitroaniline	6.764	138	38933	5.4748 ug/mL	92
64) 46Dinit2mylph	6.793	198	25655	4.5453 ug/mL	86
65) Ntrsdiphlam&Diphlam	6.827	169	204150	10.1965 ug/mL	99
66) Azobenz&12Diphlhyd	6.844	182	70258	10.1019 ug/mL	95
67) 4Brphlphlethr	7.051	248	51213	5.5657 ug/mL	96
68) Hexaclbenzene	7.066	284	56122	5.7950 ug/mL	97
69) Pentaclphenol	7.205	266	23964	3.9304 ug/mL	91
70) Phenanthrene	7.313	178	230777	5.4695 ug/mL	98
71) Anthracene	7.344	178	249277	5.6873 ug/mL	99
72) Carbazole	7.455	167	214760	5.1879 ug/mL	97
73) Dinbtylphthal	7.688	149	311984	5.5448 ug/mL	100
74) Fluoranthene	8.003	202	277206	5.5887 ug/mL	99
76) Benzidine	8.106	184	68305	4.9035 ug/mL	98
77) Pyrene	8.128	202	249213	5.2359 ug/mL	99
79) Btylbzylphth	8.481	149	66290	4.9735 ug/mL	99
80) bis2Ethlhxlad	8.537	129	55697	5.1329 ug/mL	97
81) 33Diclbnzidin	8.731	252	29597	5.1460 ug/mL	97
82) B[a]anthracen	8.728	228	104433	4.8635 ug/mL	99
83) Chrysene	8.748	228	99523	4.9956 ug/mL	98
84) bis2Ethlhxlph	8.790	149	89900	5.0609 ug/mL	99
85) Dinoctylphthl	9.137	149	156674	4.7454 ug/mL	100
87) B[b]fluoranth	9.290	252	119419	5.7686 ug/mL	97
88) B[k]fluoranth	9.305	252	100991	5.2887 ug/mL	98
89) Benz[a]pyrene	9.461	252	107793	5.3265 ug/mL	98
90) Indeno-pyrene	10.043	276	119003	5.3463 ug/mL	93
91) Dib[ah]anthr	10.058	278	91409	5.5259 ug/mL	99
92) B[ghi]perylen	10.168	276	104486	5.2552 ug/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL2.D Vial: 16
Acq On : 5 Aug 2013 16:33 Operator: RPN
Sample : ICAL 5ug/ml SVMS5738 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:12:58 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:12:54 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL1.D Vial: 17
Acq On : 5 Aug 2013 16:52 Operator: RPN
Sample : ICAL 1ug/ml SVMS5737 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:11:32 2013

RPN 08/05/13

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:11:12 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.752	152	189997	20.00	ug/mL	0.00
21) Naphthalened8	4.136	136	720313	20.00	ug/mL	0.00
39) Acenaphthened10	6.307	164	568704	20.00	ug/mL	0.00
63) Phenanthrd10	7.304	188	869510	20.00	ug/mL	0.00
75) Chrysene-d12	8.734	240	389983	20.00	ug/mL	0.00
86) Perylene-d12	9.492	264	371824	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.911	112	8887	1.72	%REC	0.00
Spiked Amount 100.000	Range 20 - 110		Recovery = 1.72%#			
7) SURRPhenol-d5	2.505	99	13956	2.53	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 2.53%#			
22) SURRNitrbenzened5	3.301	82	9626	4.58	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 4.58%#			
44) SURR2Flbiphenyl	5.727	172	44848	6.00	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 6.00%#			
62) SURR246Tribrphenl	6.884	330	5079	2.67	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 2.67%#			
78) SURRTerphenyl-d14	8.234	244	21153	5.44	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 5.44%#			
Target Compounds						Qvalue
2) Ntrsdimeth	1.329	74	6010	0.8689	ug/mL	93
3) Pyridine	1.374	79	11809	0.9136	ug/mL	84
5) Aniline	2.500	93	16608	0.9770	ug/mL	98
6) bis2Clethletr	2.562	93	12791	1.1125	ug/mL#	78
8) Phenol	2.517	94	17510	1.0786	ug/mL	77
9) 2-Cl-phenol	2.585	128	14998	1.0853	ug/mL	87
10) 13Diclbenz	2.698	146	18670	1.1590	ug/mL	91
11) 14Diclbenz	2.764	146	17466	1.1462	ug/mL	93
12) 12Diclbenz	2.895	146	16274	1.0786	ug/mL	84
13) Benzyl alcoho	2.940	108	4768	0.7160	ug/mL#	73
14) bis2clispreth	3.051	45	22223	1.1489	ug/mL	93
15) 2Methylphenol	3.045	107	10549	1.1255	ug/mL	88
16) Ntrspyrrol	3.142	100	4493	0.9060	ug/mL	70
17) Acetophenone	3.156	105	13032	0.8819	ug/mL	93
18) Hexaclethane	3.213	117	6688	1.1633	ug/mL	94
19) N-Ntrsdinprop	3.179	70	7199	1.0736	ug/mL	98
20) 3&4Methylphenol	3.224	107	11074	0.9992	ug/mL	87
23) Nitrobenzene	3.324	77	10358	1.0223	ug/mL	95
24) Isophorone	3.613	82	19598	1.0092	ug/mL	99
25) 2-Nitrophenol	3.696	139	6376	0.8891	ug/mL	90
26) 24Dimthpheno	3.832	122	10030	1.0039	ug/mL	86
27) bis2clethoxym	3.943	93	13119	0.9585	ug/mL	98
28) 24Diclphenol	4.020	162	11116	0.9784	ug/mL	92
29) 124Triclbenz	4.088	180	14479	1.1338	ug/mL	83
30) Benzoic acid	0.000		0	N.D.		
31) Naphthalene	4.159	128	38979	1.1249	ug/mL	95
32) 4-Cl-aniline	4.312	127	14584	0.9968	ug/mL	90
33) 26Diclphenol	4.301	162	9725	1.0476	ug/mL	88
34) Hexaclprop	4.290	213	7622	0.9922	ug/mL	92
35) Hexaclbutdien	4.375	225	7537	1.1078	ug/mL	80
36) 4Cl3methylphe	5.134	107	11191	0.8908	ug/mL	88
37) 2Methylnaphth	5.168	142	37593	1.0994	ug/mL	88
38) 1Methylnaphth	5.313	141	35937	1.1536	ug/mL	98
40) Hxclcycpentdi	5.432	237	5698	0.6853	ug/mL	86

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL1.D Vial: 17
Acq On : 5 Aug 2013 16:52 Operator: RPN
Sample : ICAL 1ug/ml SVMS5737 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:11:32 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:11:12 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

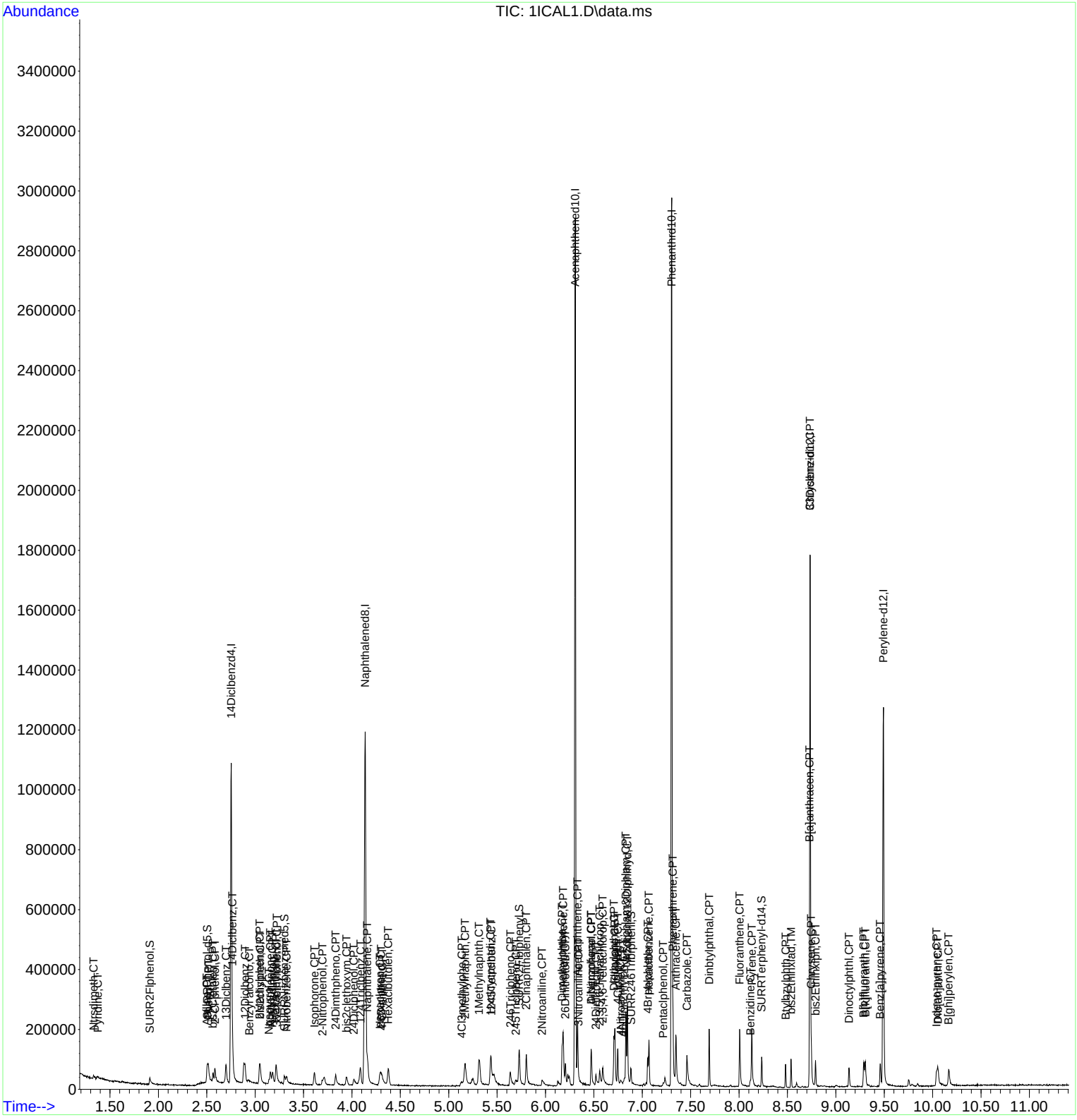
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1245Tetrclbenz	5.440	216	20846	1.1929	ug/mL	99
42) 246Triclpheno	5.636	196	10834	0.9684	ug/mL	95
43) 245Triclpheno	5.693	196	11212	0.9207	ug/mL	82
45) 2Clnaphthalen	5.801	162	39587	1.1734	ug/mL	97
46) 2Nitroaniline	5.963	65	4926	0.7390	ug/mL#	68
47) Acnaphthylene	6.182	152	67109	0.9621	ug/mL	96
48) Dimethylphtha	6.171	163	44249	0.9242	ug/mL	99
49) 26Dinitrotolu	6.205	165	9412	1.1336	ug/mL	81
50) Acenaphthene	6.330	154	36080	0.8910	ug/mL	96
51) 3Nitroaniline	6.341	138	7843	1.0162	ug/mL	97
52) 24Dinitphenol	0.000		0	N.D.		
53) Dibenzofuran	6.472	168	53193	1.2276	ug/mL	96
54) 24Dinitrotolu	6.520	165	10210	0.9799	ug/mL	91
55) 4-Nitrophenol	6.472	139	17475	2.9512	ug/mL#	23
56) 2,3,5,6-Tetrachlorop	6.560	232	6546	0.8031	ug/mL	91
57) 2,3,4,6-Tetrachlorop	6.591	232	10076	1.0220	ug/mL	90
58) Fluorene	6.716	166	43390	0.9714	ug/mL	97
59) 4Clphlphlethr	6.748	204	20984	1.0004	ug/mL	97
60) Diethylphthal	6.708	149	43788	0.9760	ug/mL	98
61) 4Nitroaniline	6.779	138	5293	0.6913	ug/mL	87
64) 46Dinit2mylph	6.804	198	3211	0.5388	ug/mL#	66
65) Ntrsdiphlam&Diphlam	6.830	169	52724	1.9531	ug/mL	98
66) Azobenz&12Diphlhyd	6.847	182	18573	1.9968	ug/mL#	82
67) 4Brphlphlethr	7.057	248	11895	1.2243	ug/mL	95
68) Hexaclbenzene	7.069	284	12732	1.2404	ug/mL	94
69) Pentaclphenol	7.216	266	1939	0.3012	ug/mL#	29
70) Phenanthrene	7.316	178	59499	1.3355	ug/mL	99
71) Anthracene	7.347	178	60819	1.3108	ug/mL	98
72) Carbazole	7.461	167	57041	1.3047	ug/mL	96
73) Dinbtylphthal	7.691	149	68629	1.1552	ug/mL	99
74) Fluoranthene	8.006	202	63938	1.2209	ug/mL	97
76) Benzidine	8.117	184	15155	1.0582	ug/mL	92
77) Pyrene	8.131	202	57678	1.1756	ug/mL	97
79) Btylbzylphth	8.481	149	13094	0.9527	ug/mL	97
80) bis2Ethlhxlad	8.538	129	11626	1.0408	ug/mL	98
81) 33Diclbnzidin	8.734	252	6777	1.1428	ug/mL	86
82) B[a]anthracen	8.728	228	23450	1.0591	ug/mL	93
83) Chrysene	8.745	228	22447	1.0927	ug/mL	95
84) bis2Ethlhxlph	8.790	149	17213	0.9397	ug/mL	96
85) Dinoctylphthl	9.137	149	28860	0.8477	ug/mL	96
87) B[b]fluoranth	9.288	252	23265	1.0997	ug/mL	97
88) B[k]fluoranth	9.305	252	24149	1.2375	ug/mL	96
89) Benz[a]pyrene	9.458	252	24716	1.1958	ug/mL	99
90) Indeno-pyrene	10.041	276	24227	1.0647	ug/mL	90
91) Dib[ah]anthr	10.055	278	16147	0.9552	ug/mL	94
92) B[ghi]perylen	10.166	276	23352	1.1492	ug/mL	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICAL1.D Vial: 17
Acq On : 5 Aug 2013 16:52 Operator: RPN
Sample : ICAL 1ug/ml SVMS5737 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:11:32 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:11:12 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Initial Calibration Verification Report

Data File Name	1ICV1.D
Data File Path	C:\INSTARCH\Data\1S080513\
Operator	RPN
Date Acquired	8/5/2013 17:10
Acq. Method File	1S080513.M
Sample Name	ICV 20ug/ml SVMS5790
Misc Info	500uL+5ul IS S2810D
Vial Number	18
Instrument Name	SVMS1
Sample Multiplier	1

#	Name	Ret Time	Amount	Units	Response	80-120 %REC
1)	14Diclbenzd4	2.75	20.00	ug/mL	159636	ISTD
2)	Ntrsdimeth	1.32	18.87	ug/mL	109658	94
3)	Pyridine	1.31	18.56	ug/mL	202408	93
4)	SURR2Flphenol	1.90	47.08	%REC	204883	94
5)	Aniline	2.50	18.58	ug/mL	265416	93
6)	bis2Clethletr	2.57	18.96	ug/mL	183155	95
7)	SURRPhenol-d5	2.50	45.02	%REC	208944	90
8)	Phenol	2.51	18.98	ug/mL	258624	95
9)	2-Cl-phenol	2.58	19.07	ug/mL	221377	95
10)	13Diclbenz	2.70	18.23	ug/mL	246667	91
11)	14Diclbenz	2.77	18.84	ug/mL	241232	94
12)	12Diclbenz	2.89	18.43	ug/mL	233620	92
13)	Benzyl alcoho	2.91	19.33	ug/mL	108133	97
14)	bis2clispreth	3.05	18.87	ug/mL	306725	94
15)	2Methylphenol	3.05	18.82	ug/mL	145352	94
16)	Ntrspyrrol	3.15	19.83	ug/mL	82421	99
17)	Acetophenone	3.16	19.32	ug/mL	239864	97
18)	Hexaclethane	3.22	18.38	ug/mL	88703	92
19)	N-Ntrsdinprop	3.19	18.74	ug/mL	105609	94
20)	3&4Methylphenol	3.22	18.15	ug/mL	169087	91
21)	Naphthalened8	4.14	20.00	ug/mL	583039	ISTD
22)	SURRNitrbenzened5	3.31	91.19	%REC	154095	91
23)	Nitrobenzene	3.33	19.51	ug/mL	160482	98
24)	Isophorone	3.62	18.74	ug/mL	294920	94
25)	2-Nitrophenol	3.69	19.59	ug/mL	113709	98
26)	24Dimthpheno	3.83	22.09	ug/mL	179728	110
27)	bis2clethoxym	3.95	20.14	ug/mL	223167	101
28)	24Diclphenol	4.01	19.19	ug/mL	176511	96
29)	124Triclbenz	4.09	18.12	ug/mL	187291	91
30)	Benzoic acid	4.08	19.40	ug/mL	88312	97
31)	Naphthalene	4.17	21.52	ug/mL	603598	108
32)	4-Cl-aniline	4.31	18.68	ug/mL	221227	93
33)	26Diclphenol	4.30	18.80	ug/mL	141292	94
34)	Hexaclprop	4.29	19.06	ug/mL	118569	95
35)	Hexaclbutdien	4.38	20.49	ug/mL	112768	102
36)	4Cl3methylphe	5.11	19.56	ug/mL	200253	98
37)	2Methylnaphth	5.17	19.75	ug/mL	561869	99

38) 1Methylnaphth	5.32	17.68	ug/mL	445904	88
39) Acenaphthened10	6.31	20.00	ug/mL	464628	ISTD
40) Hxclcycpentdi	5.43	21.13	ug/mL	143519	106
41) 1245Tetrclbenz	5.44	18.76	ug/mL	268117	94
42) 246Triclpheno	5.63	19.38	ug/mL	177184	97
43) 245Triclpheno	5.67	20.38	ug/mL	203662	102
44) SURR2Flbiphenyl	5.73	90.40	%REC	552200	90
45) 2Clnaphthalen	5.80	19.67	ug/mL	542247	98
46) 2Nitroaniline	5.96	20.70	ug/mL	112625	104
47) Acnaphthylene	6.18	20.01	ug/mL	775447	100
48) Dimethylphtha	6.18	17.99	ug/mL	482970	90
49) 26Dinitrotolu	6.21	19.17	ug/mL	130041	96
50) Acenaphthene	6.33	19.14	ug/mL	422090	96
51) 3Nitroaniline	6.33	19.98	ug/mL	125995	100
52) 24Dinitphenol	6.42	19.02	ug/mL	81178	95
53) Dibenzofuran	6.47	18.80	ug/mL	667548	94
54) 24Dinitrotolu	6.51	20.26	ug/mL	172460	101
55) 4-Nitrophenol	6.52	20.30	ug/mL	98187	101
56) 2,3,5,6-Tetrachlorop	6.55	21.06	ug/mL	140384	105
57) 2,3,4,6-Tetrachlorop	6.58	18.53	ug/mL	147217	93
58) Fluorene	6.71	19.11	ug/mL	490637	96
59) 4Clphlphlethr	6.74	18.74	ug/mL	248206	94
60) Diethylphthal	6.71	18.98	ug/mL	494353	95
61) 4Nitroaniline	6.77	20.59	ug/mL	128774	103
62) SURR246Tribrphenl	6.88	47.00	%REC	72261	94
63) Phenanthrd10	7.30	20.00	ug/mL	758844	ISTD
64) 46Dinit2mylph	6.80	19.43	ug/mL	101062	97
65) Ntrsdiphlam&Diphlam	6.83	37.83	ug/mL	591222	95
66) Azobenz&12Diphlhyd	6.85	37.53	ug/mL	207016	94
67) 4Brphlphlethr	7.05	18.79	ug/mL	159345	94
68) Hexaclbenzene	7.07	18.55	ug/mL	165554	93
69) Pentaclphenol	7.20	21.44	ug/mL	120450	107
70) Phenanthrene	7.32	18.22	ug/mL	708563	91
71) Anthracene	7.34	18.20	ug/mL	735084	91
72) Carbazole	7.45	17.05	ug/mL	650541	85
73) Dinbtylphthal	7.69	18.21	ug/mL	944264	91
74) Fluoranthene	8.00	18.56	ug/mL	848467	93
75) Chrysene-d12	8.74	20.00	ug/mL	307251	ISTD
76) Benzidine	8.11	22.05	ug/mL	249622	110
77) Pyrene	8.13	19.00	ug/mL	734788	95
78) SURRTerphenyl-d14	8.23	88.88	%REC	272326	89
79) Btylbzylphth	8.48	19.66	ug/mL	212915	98
80) bis2Ethlhxlad	8.54	18.42	ug/mL	162428	92
81) 33Diclbnzidin	8.73	17.39	ug/mL	81245	87
82) B[a]anthracen	8.73	19.45	ug/mL	339320	97
83) Chrysene	8.75	19.89	ug/mL	321939	99
84) bis2Ethlhxlph	8.79	19.98	ug/mL	288364	100
85) Dinoctylphthl	9.14	19.01	ug/mL	510053	95
86) Perylene-d12	9.50	20.00	ug/mL	321160	ISTD
87) B[b]fluoranth	9.30	18.26	ug/mL	333714	91

88)	B[k]fluoranth	9.31	16.65	ug/mL	280595	83
89)	Benz[a]pyrene	9.46	18.76	ug/mL	335083	94
90)	Indeno-pyrene	10.05	18.97	ug/mL	372693	95
91)	Dib[ah]anthr	10.06	19.51	ug/mL	284906	98
92)	B[ghi]perylen	10.18	19.07	ug/mL	334607	95

(#) = recovery out of range Average Percent Recovery = 96

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICV1.D Vial: 18
Acq On : 5 Aug 2013 17:10 Operator: RPN
Sample : ICV 20ug/ml SVMS5790 Inst : SVMS1
Misc : 500uL+5ul IS S2810D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:30:50 2013

RPN
08/05/13

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:21:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.752	152	159636	20.00	ug/mL	0.00
21) Naphthalened8	4.139	136	583039	20.00	ug/mL	0.00
39) Acenaphthened10	6.307	164	464628	20.00	ug/mL	0.00
63) Phenanthrd10	7.302	188	758844	20.00	ug/mL	0.00
75) Chrysene-d12	8.739	240	307251	20.00	ug/mL	0.00
86) Perylene-d12	9.495	264	321160	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.900	112	204883	47.08	%REC	0.00
Spiked Amount 100.000	Range 20 - 110		Recovery = 47.08%			
7) SURRPhenol-d5	2.502	99	208944	45.02	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 45.02%			
22) SURRNitrbenzened5	3.306	82	154095	91.19	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 91.19%			
44) SURR2Flbiphenyl	5.727	172	552200	90.40	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 90.40%			
62) SURR246Tribrphenl	6.881	330	72261	47.00	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 47.00%			
78) SURRTerphenyl-d14	8.231	244	272326	88.88	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 88.88%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.317	74	109658	18.8684	ug/mL	98
3) Pyridine	1.315	79	202408	18.5588	ug/mL	96
5) Aniline	2.497	93	265416	18.5828	ug/mL	87
6) bis2Clethletr	2.568	93	183155	18.9594	ug/mL	94
8) Phenol	2.511	94	258624	18.9831	ug/mL	98
9) 2-Cl-phenol	2.582	128	221377	19.0667	ug/mL	98
10) 13Diclbenz	2.698	146	246667	18.2252	ug/mL	94
11) 14Diclbenz	2.767	146	241232	18.8406	ug/mL	99
12) 12Diclbenz	2.894	146	233620	18.4281	ug/mL	98
13) Benzyl alcoho	2.914	108	108133	19.3255	ug/mL	96
14) bis2clispreth	3.053	45	306725	18.8716	ug/mL	98
15) 2Methylphenol	3.045	107	145352	18.8215	ug/mL	93
16) Ntrspyrrol	3.153	100	82421	19.8256	ug/mL	96
17) Acetophenone	3.164	105	239864	19.3192	ug/mL	98
18) Hexaclethane	3.216	117	88703	18.3828	ug/mL	97
19) N-Ntrsdinprop	3.193	70	105609	18.7448	ug/mL	96
20) 3&4Methylphenol	3.218	107	169087	18.1467	ug/mL	91
23) Nitrobenzene	3.326	77	160482	19.5146	ug/mL	99
24) Isophorone	3.625	82	294920	18.7443	ug/mL	99
25) 2-Nitrophenol	3.693	139	113709	19.5878	ug/mL	97
26) 24Dimthpheno	3.832	122	179728	22.0924	ug/mL	94
27) bis2clethoxym	3.949	93	223167	20.1424	ug/mL	98
28) 24Diclphenol	4.011	162	176511	19.1909	ug/mL	98
29) 124Triclbenz	4.091	180	187291	18.1174	ug/mL	94
30) Benzoic acid	4.079	122	88312	19.4035	ug/mL	88
31) Naphthalene	4.167	128	603598	21.5169	ug/mL	98
32) 4-Cl-aniline	4.309	127	221227	18.6794	ug/mL	98
33) 26Diclphenol	4.301	162	141292	18.8010	ug/mL	94
34) Hexaclprop	4.290	213	118569	19.0579	ug/mL	95
35) Hexaclbutdien	4.378	225	112768	20.4873	ug/mL	97
36) 4Cl3methylphe	5.111	107	200253	19.5567	ug/mL	97
37) 2Methylnaphth	5.170	142	561869	19.7450	ug/mL	98
38) 1Methylnaphth	5.315	141	445904	17.6810	ug/mL	99
40) Hxclcycpentdi	5.435	237	143519	21.1268	ug/mL	93

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICV1.D Vial: 18
Acq On : 5 Aug 2013 17:10 Operator: RPN
Sample : ICV 20ug/ml SVMS5790 Inst : SVMS1
Misc : 500uL+5ul IS S2810D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:30:50 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:21:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

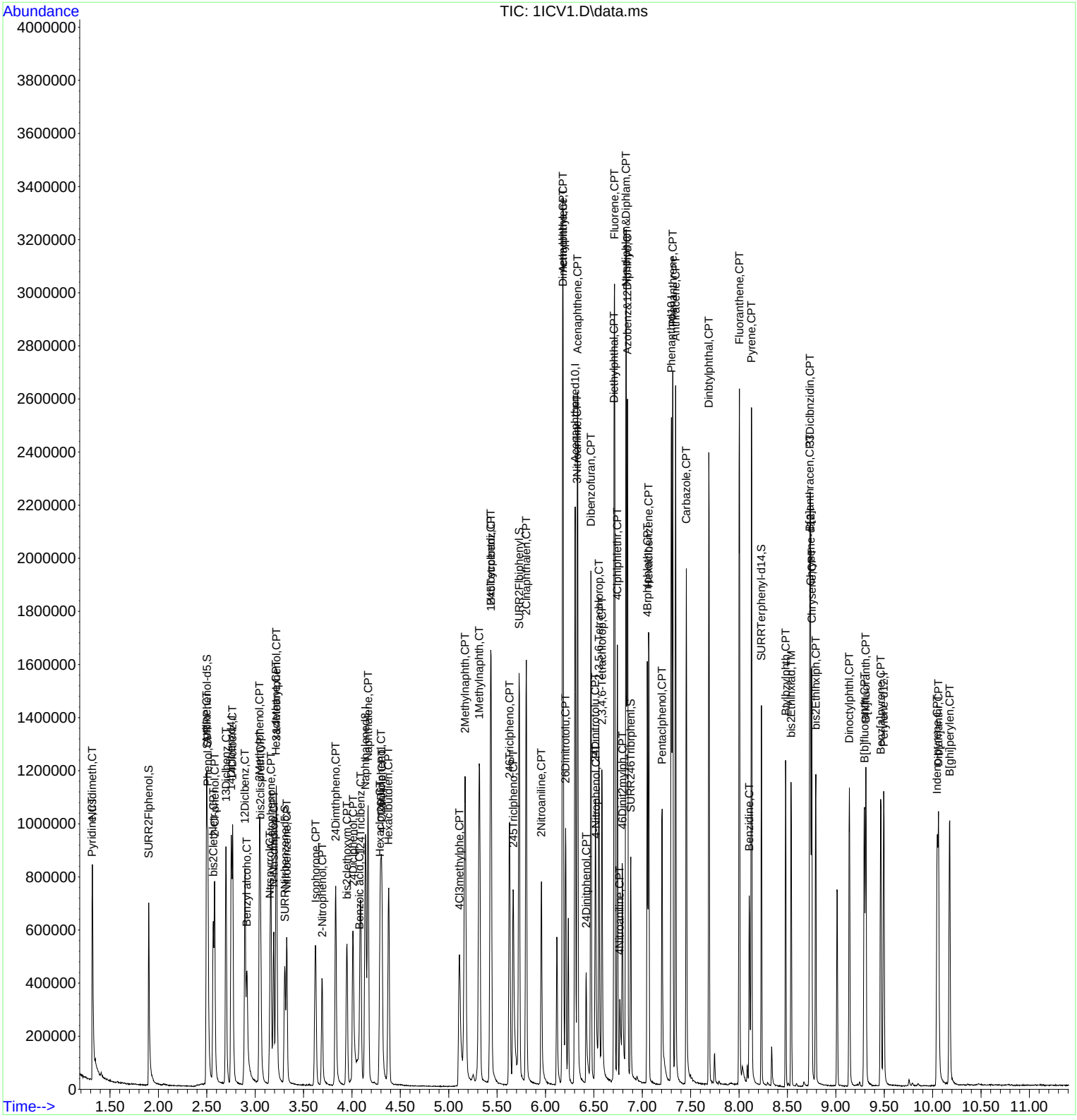
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1245Tetrclbenz	5.438	216	268117	18.7608 ug/mL	98
42) 246Triclpheno	5.628	196	177184	19.3846 ug/mL	98
43) 245Triclpheno	5.668	196	203662	20.3790 ug/mL	99
45) 2Clnaphthalen	5.801	162	542247	19.6719 ug/mL	99
46) 2Nitroaniline	5.958	65	112625	20.7013 ug/mL	97
47) Acnaphthylene	6.182	152	775447	20.0092 ug/mL	99
48) Dimethylphtha	6.179	163	482970	17.9904 ug/mL	99
49) 26Dinitrotolu	6.208	165	130041	19.1691 ug/mL	98
50) Acenaphthene	6.333	154	422090	19.1425 ug/mL	98
51) 3Nitroaniline	6.327	138	125995	19.9802 ug/mL	100
52) 24Dinitphenol	6.421	184	81178	19.0170 ug/mL	95
53) Dibenzofuran	6.469	168	667548	18.8037 ug/mL	99
54) 24Dinitrotolu	6.514	165	172460	20.2594 ug/mL	95
55) 4-Nitrophenol	6.520	139	98187	20.2960 ug/mL	95
56) 2,3,5,6-Tetrachlorop	6.551	232	140384	21.0594 ug/mL	97
57) 2,3,4,6-Tetrachlorop	6.583	232	147217	18.5332 ug/mL	96
58) Fluorene	6.713	166	490637	19.1055 ug/mL	99
59) 4Clphlphlethr	6.742	204	248206	18.7394 ug/mL	95
60) Diethylphthal	6.708	149	494353	18.9758 ug/mL	98
61) 4Nitroaniline	6.767	138	128774	20.5865 ug/mL	96
64) 46Dinit2mylph	6.796	198	101062	19.4309 ug/mL	98
65) Ntrsdiphlam&Diphlam	6.833	169	591222	37.8327 ug/mL	98
66) Azobenz&12Diphlhyd	6.847	182	207016	37.5316 ug/mL	93
67) 4Brphlphlethr	7.051	248	159345	18.7928 ug/mL	96
68) Hexaclbenzene	7.066	284	165554	18.5514 ug/mL	97
69) Pentaclphenol	7.205	266	120450	21.4390 ug/mL	99
70) Phenanthrene	7.316	178	708563	18.2243 ug/mL	100
71) Anthracene	7.344	178	735084	18.2002 ug/mL	99
72) Carbazole	7.455	167	650541	17.0542 ug/mL	100
73) Dinbtylphthal	7.688	149	944264	18.2121 ug/mL	99
74) Fluoranthene	8.003	202	848467	18.5635 ug/mL	100
76) Benzidine	8.106	184	249622	22.0542 ug/mL	100
77) Pyrene	8.128	202	734788	18.9993 ug/mL	99
79) Btylbzylphth	8.481	149	212915	19.6599 ug/mL	100
80) bis2Ethlhxlad	8.538	129	162428	18.4226 ug/mL	99
81) 33Diclbnzidin	8.734	252	81245	17.3852 ug/mL	95
82) B[a]anthracen	8.731	228	339320	19.4482 ug/mL	98
83) Chrysene	8.751	228	321939	19.8882 ug/mL	99
84) bis2Ethlhxlph	8.793	149	288364	19.9789 ug/mL	96
85) Dinoctylphthl	9.140	149	510053	19.0130 ug/mL	99
87) B[b]fluoranth	9.296	252	333714	18.2638 ug/mL	99
88) B[k]fluoranth	9.310	252	280595	16.6480 ug/mL	98
89) Benz[a]pyrene	9.464	252	335083	18.7595 ug/mL	98
90) Indeno-pyrene	10.046	276	372693	18.9699 ug/mL	99
91) Dib[ah]anthr	10.061	278	284906	19.5133 ug/mL	99
92) B[ghi]perylen	10.177	276	334607	19.0672 ug/mL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICV1.D Vial: 18
Acq On : 5 Aug 2013 17:10 Operator: RPN
Sample : ICV 20ug/ml SVMS5790 Inst : SVMS1
Misc : 500uL+5ul IS S2810D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:30:50 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:21:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Initial Calibration Verification Report

Data File Name	1ICV2R.D
Data File Path	C:\INSTARCH\Data\1S080513\
Operator	RPN
Date Acquired	8/5/2013 17:47
Acq. Method File	1S080513.M
Sample Name	ICV 40ug/ml SVMS5790A
Misc Info	500uL+5ul IS S2810D
Vial Number	19
Instrument Name	SVMS1
Sample Multiplier	1

#	Name	Ret Time	Amount	Units	Response	80-120 %REC
1)	14Diclbenzd4	2.75	20.00	ug/mL	147741	ISTD
2)	Ntrsdimeth	1.32	39.62	ug/mL	213083	99
3)	Pyridine	1.31	40.72	ug/mL	411043	102
4)	SURR2Flphenol	1.90	97.44	%REC	392408	97
5)	Aniline	2.50	39.16	ug/mL	517603	98
6)	bis2Clethletr	2.57	37.98	ug/mL	339572	95
7)	SURRPhenol-d5	2.51	90.84	%REC	390217	91
8)	Phenol	2.52	38.01	ug/mL	479202	95
9)	2-Cl-phenol	2.58	37.83	ug/mL	406462	95
10)	13Diclbenz	2.70	35.35	ug/mL	442731	88
11)	14Diclbenz	2.77	36.28	ug/mL	429898	91
12)	12Diclbenz	2.90	35.56	ug/mL	417256	89
13)	Benzyl alcoho	2.92	41.55	ug/mL	215173	104
14)	bis2clispreth	3.06	37.72	ug/mL	567357	94
15)	2Methylphenol	3.05	37.49	ug/mL	267915	94
16)	Ntrspyrrol	3.17	40.65	ug/mL	156393	102
17)	Acetophenone	3.17	38.33	ug/mL	440487	96
18)	Hexaclethane	3.22	35.77	ug/mL	159754	89
19)	N-Ntrsdinprop	3.20	38.85	ug/mL	202583	97
20)	3&4Methylphenol	3.23	37.73	ug/mL	325390	94
21)	Naphthalened8	4.14	20.00	ug/mL	565404	ISTD
22)	SURRNitrbenzened5	3.31	179.82	%REC	294684	90
23)	Nitrobenzene	3.34	38.17	ug/mL	304425	95
24)	Isophorone	3.64	38.69	ug/mL	590285	97
25)	2-Nitrophenol	3.70	39.94	ug/mL	224818	100
26)	24Dimthpheno	3.84	45.09	ug/mL	355743	113
27)	bis2clethoxym	3.95	39.92	ug/mL	428886	100
28)	24Diclphenol	4.02	37.86	ug/mL	337696	95
29)	124Triclbenz	4.09	35.55	ug/mL	356411	89
30)	Benzoic acid	4.13	44.14	ug/mL	194806	110
31)	Naphthalene	4.17	40.88	ug/mL	1112050	102
32)	4-Cl-aniline	4.32	36.42	ug/mL	418308	91
33)	26Diclphenol	4.30	36.69	ug/mL	267408	92
34)	Hexaclprop	4.29	38.65	ug/mL	233183	97
35)	Hexaclbutdien	4.38	38.88	ug/mL	207543	97
36)	4Cl3methylphe	5.11	39.40	ug/mL	391236	98
37)	2Methylnaphth	5.17	37.50	ug/mL	1034696	94

38)	1Methylnaphth	5.32	35.06	ug/mL	857441	88
39)	Acenaphthened10	6.31	20.00	ug/mL	455715	ISTD
40)	Hxclcycpentdi	5.44	40.52	ug/mL	269988	101
41)	1245Tetrclbenz	5.44	33.70	ug/mL	472382	84
42)	246Triclpheno	5.63	38.80	ug/mL	347846	97
43)	245Triclpheno	5.67	40.63	ug/mL	398271	102
44)	SURR2Flbiphenyl	5.73	166.72	%REC	998862	83
45)	2Clnaphthalen	5.81	36.32	ug/mL	981974	91
46)	2Nitroaniline	5.96	41.90	ug/mL	223600	105
47)	Acnaphthylene	6.19	43.10	ug/mL	1336089	108
48)	Dimethylphtha	6.19	36.46	ug/mL	799070	91
49)	26Dinitrotolu	6.22	35.74	ug/mL	237792	89
50)	Acenaphthene	6.34	40.85	ug/mL	738062	102
51)	3Nitroaniline	6.34	34.63	ug/mL	214189	87
52)	24Dinitphenol	6.43	42.85	ug/mL	178570	107
53)	Dibenzofuran	6.47	34.42	ug/mL	1198617	86
54)	24Dinitrotolu	6.52	35.71	ug/mL	298131	89
55)	4-Nitrophenol	6.53	39.68	ug/mL	188272	99
56)	2,3,5,6-Tetrachlorop	6.56	40.54	ug/mL	265052	101
57)	2,3,4,6-Tetrachlorop	6.59	33.58	ug/mL	261632	84
58)	Fluorene	6.72	40.61	ug/mL	819030	102
59)	4Clphlphlethr	6.75	40.42	ug/mL	431020	101
60)	Diethylphthal	6.72	37.55	ug/mL	790999	94
61)	4Nitroaniline	6.78	41.57	ug/mL	255019	104
62)	SURR246Tribrphenl	6.89	87.54	%REC	132011	88
63)	Phenanthrd10	7.30	20.00	ug/mL	710787	ISTD
64)	46Dinit2mylph	6.80	40.64	ug/mL	197980	102
65)	Ntrsdiphlam&Diphlam	6.84	77.83	ug/mL	911924	97
66)	Azobenz&12Diphlhyd	6.86	74.36	ug/mL	323571	93
67)	4Brphlphlethr	7.05	33.56	ug/mL	266550	84
68)	Hexaclbenzene	7.07	33.15	ug/mL	277099	83
69)	Pentaclphenol	7.21	43.99	ug/mL	231492	110
70)	Phenanthrene	7.32	33.15	ug/mL	1207356	83
71)	Anthracene	7.35	32.27	ug/mL	1220925	81
72)	Carbazole	7.46	32.51	ug/mL	1161601	81
73)	Dinbtylphthal	7.69	32.71	ug/mL	1588406	82
74)	Fluoranthene	8.01	33.22	ug/mL	1422200	83
75)	Chrysene-d12	8.74	20.00	ug/mL	266440	ISTD
76)	Benzidine	8.11	51.34	ug/mL	503913	128 #
77)	Pyrene	8.13	36.06	ug/mL	1209389	90
78)	SURRTerphenyl-d14	8.23	170.01	%REC	451719	85
79)	Btylbzylphth	8.48	40.08	ug/mL	376382	100
80)	bis2Ethlhxlad	8.54	35.87	ug/mL	274275	90
81)	33Diclbnzidin	8.74	38.72	ug/mL	156902	97
82)	B[a]anthracen	8.74	39.26	ug/mL	593974	98
83)	Chrysene	8.76	39.08	ug/mL	548526	98
84)	bis2Ethlhxlph	8.79	39.15	ug/mL	489989	98
85)	Dinoctylphthl	9.14	39.07	ug/mL	908961	98
86)	Perylene-d12	9.50	20.00	ug/mL	315734	ISTD
87)	B[b]fluoranth	9.30	35.97	ug/mL	646154	90

88) B[k]fluoranth	9.32	32.02	ug/mL	530599	80
89) Benz[a]pyrene	9.47	35.11	ug/mL	616513	88
90) Indeno-pyrene	10.06	35.37	ug/mL	683213	88
91) Dib[ah]anthr	10.07	35.43	ug/mL	508597	89
92) B[ghi]perylen	10.19	34.89	ug/mL	602013	87

(#) = recovery out of range Average Percent Recovery = 95

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICV2R.D Vial: 19
Acq On : 5 Aug 2013 17:47 Operator: RPN
Sample : ICV 40ug/ml SVMS5790A Inst : SVMS1
Misc : 500uL+5ul IS S2810D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:27:36 2013

RPN
08/05/13

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:21:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M MI

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.753	152	147741	20.00	ug/mL	0.00
21) Naphthalened8	4.145	136	565404	20.00	ug/mL	0.00
39) Acenaphthened10	6.310	164	455715	20.00	ug/mL	0.00
63) Phenanthrd10	7.305	188	710787	20.00	ug/mL	0.00
75) Chrysene-d12	8.742	240	266440	20.00	ug/mL	0.00
86) Perylene-d12	9.501	264	315734	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.903	112	392408	97.44	%REC	0.00
Spiked Amount 100.000	Range 20 - 110		Recovery = 97.44%			
7) SURRPhenol-d5	2.505	99	390217	90.84	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 90.84%			
22) SURRNitrbenzened5	3.312	82	294684	179.82	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 179.82%#			
44) SURR2Flbiphenyl	5.733	172	998862	166.72	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 166.72%#			
62) SURR246Tribrphenl	6.887	330	132011	87.54	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 87.54%			
78) SURRTerphenyl-d14	8.234	244	451719	170.01	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 170.01%#			
Target Compounds						Qvalue
2) Ntrsdimeth	1.320	74	213083	39.6163	ug/mL	96
3) Pyridine	1.315	79	411043	40.7230	ug/mL	95
5) Aniline	2.500	93	517603	39.1572	ug/mL	87
6) bis2Clethletr	2.571	93	339572	37.9810	ug/mL	95
8) Phenol	2.517	94	479202	38.0055	ug/mL	98
9) 2-Cl-phenol	2.582	128	406462	37.8262	ug/mL	98
10) 13Diclbenz	2.699	146	442731	35.3452	ug/mL	97
11) 14Diclbenz	2.770	146	429898	36.2789	ug/mL	98
12) 12Diclbenz	2.897	146	417256	35.5634	ug/mL	98
13) Benzyl alcoho	2.923	108	215173	41.5518	ug/mL	92
14) bis2clispreth	3.055	45	567357	37.7178	ug/mL	88
15) 2Methylphenol	3.054	107	267915	37.4852	ug/mL	99
16) Ntrspyrrol	3.167	100	156393	40.6477	ug/mL	94
17) Acetophenone	3.170	105	440487	38.3342	ug/mL	98
18) Hexaclethane	3.219	117	159754	35.7729	ug/mL	98
19) N-Ntrsdinprop	3.204	70	202583	38.8519	ug/mL	95
20) 3&4Methylphenol	3.233	107	325390	37.7329	ug/mL	97
23) Nitrobenzene	3.335	77	304425	38.1726	ug/mL	99
24) Isophorone	3.636	82	590285	38.6870	ug/mL	99
25) 2-Nitrophenol	3.696	139	224818	39.9356	ug/mL	98
26) 24Dimthpheno	3.841	122	355743	45.0923	ug/mL	95
27) bis2clethoxym	3.954	93	428886	39.9173	ug/mL	98
28) 24Diclphenol	4.017	162	337696	37.8606	ug/mL	99
29) 124Triclbenz	4.094	180	356411	35.5525	ug/mL	99
30) Benzoic acid	4.128	122	194806	44.1368	ug/mL	85
31) Naphthalene	4.170	128	1112050	40.8784	ug/mL	99
32) 4-Cl-aniline	4.315	127	418308	36.4216	ug/mL	98
33) 26Diclphenol	4.304	162	267408	36.6924	ug/mL	99
34) Hexaclprop	4.293	213	233183	38.6492	ug/mL	99
35) Hexaclbutdien	4.381	225	207543	38.8818	ug/mL	94
36) 4Cl3methylphe	5.114	107	391236	39.3999	ug/mL	95
37) 2Methylnaphth	5.173	142	1034696	37.4951	ug/mL	100
38) 1Methylnaphth	5.324	141	857441	35.0597	ug/mL	98
40) Hxclcycpentdi	5.441	237	269988	40.5210	ug/mL	93

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICV2R.D Vial: 19
Acq On : 5 Aug 2013 17:47 Operator: RPN
Sample : ICV 40ug/ml SVMS5790A Inst : SVMS1
Misc : 500uL+5ul IS S2810D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:27:36 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:21:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

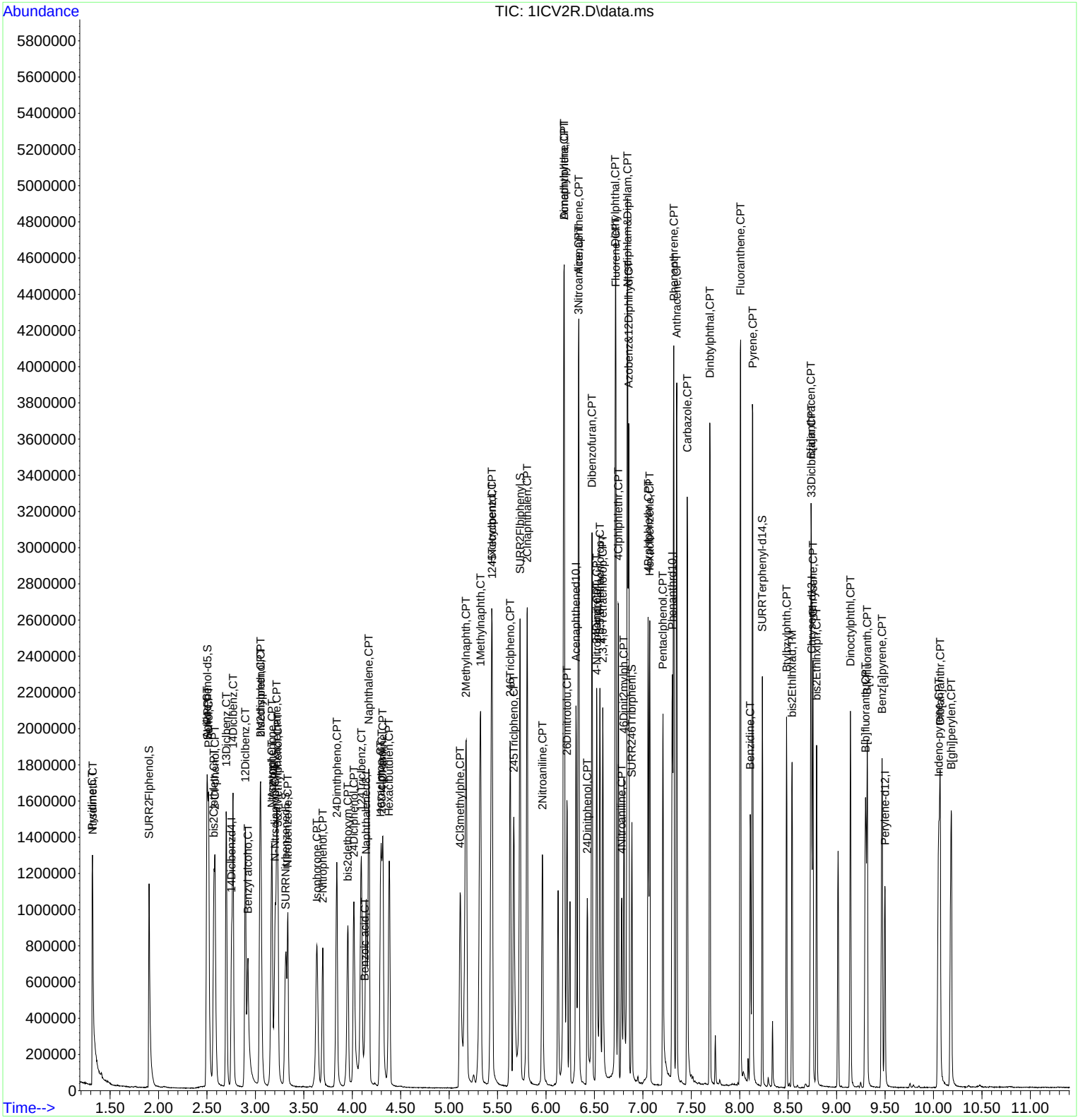
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1245Tetrclbenz	5.443	216	472382	33.7002 ug/mL	98
42) 246Triclpheno	5.631	196	347846	38.8000 ug/mL	99
43) 245Triclpheno	5.668	196	398271	40.6315 ug/mL	99
45) 2Clnaphthalen	5.807	162	981974	36.3214 ug/mL	99
46) 2Nitroaniline	5.963	65	223600	41.9032 ug/mL	99
47) Acnaphthylene	6.188	152	1336089	43.1013 ug/mL	99
48) Dimethylphtha	6.188	163	799070	36.4619 ug/mL	99
49) 26Dinitrotolu	6.216	165	237792	35.7380 ug/mL	99
50) Acenaphthene	6.338	154	738062	40.8481 ug/mL	99
51) 3Nitroaniline	6.336	138	214189	34.6302 ug/mL	96
52) 24Dinitphenol	6.427	184	178570	42.8506 ug/mL	96
53) Dibenzofuran	6.475	168	1198617	34.4233 ug/mL	99
54) 24Dinitrotolu	6.523	165	298131	35.7073 ug/mL	89
55) 4-Nitrophenol	6.526	139	188272	39.6784 ug/mL	98
56) 2,3,5,6-Tetrachlorop	6.557	232	265052	40.5388 ug/mL	99
57) 2,3,4,6-Tetrachlorop	6.586	232	261632	33.5811 ug/mL	97
58) Fluorene	6.719	166	819030	40.6149 ug/mL	99
59) 4Clphlphlethr	6.748	204	431020	40.4177 ug/mL	98
60) Diethylphthal	6.716	149	790999	37.5512 ug/mL	99
61) 4Nitroaniline	6.782	138	255019	41.5661 ug/mL	98
64) 46Dinit2mylph	6.804	198	197980	40.6386 ug/mL	91
65) Ntrsdiphlam&Diphlam	6.841	169	911924	77.8328 ug/mL	99
66) Azobenz&12Diphlhyd	6.856	182	323571	74.3640 ug/mL	91
67) 4Brphlphlethr	7.054	248	266550	33.5617 ug/mL	98
68) Hexaclbenzene	7.072	284	277099	33.1502 ug/mL	97
69) Pentaclphenol	7.208	266	231492	43.9893 ug/mL	96
70) Phenanthrene	7.319	178	1207356	33.1528 ug/mL	99
71) Anthracene	7.350	178	1220925	32.2732 ug/mL	99
72) Carbazole	7.458	167	1161601	32.5107 ug/mL	99
73) Dinbtylphthal	7.691	149	1588406	32.7070 ug/mL	100
74) Fluoranthene	8.009	202	1422200	33.2199 ug/mL	100
76) Benzidine	8.109	184	503913	51.3402 ug/mL	99
77) Pyrene	8.134	202	1209389	36.0609 ug/mL	99
79) Btylbzylphth	8.484	149	376382	40.0773 ug/mL	98
80) bis2Ethlhxlad	8.541	129	274275	35.8732 ug/mL	99
81) 33Diclbnzidin	8.739	252	156902	38.7172 ug/mL	94
82) B[a]anthracen	8.737	228	593974	39.2583 ug/mL	99
83) Chrysene	8.757	228	548526	39.0762 ug/mL	99
84) bis2Ethlhxlph	8.793	149	489989	39.1481 ug/mL	97
85) Dinoctylphthl	9.143	149	908961	39.0727 ug/mL	100
87) B[b]fluoranth	9.299	252	646154	35.9710 ug/mL	98
88) B[k]fluoranth	9.316	252	530599m	32.0220 ug/mL	
89) Benz[a]pyrene	9.470	252	616513	35.1085 ug/mL	99
90) Indeno-pyrene	10.055	276	683213	35.3729 ug/mL	98
91) Dib[ah]anthr	10.069	278	508597	35.4326 ug/mL	94
92) B[ghi]perylen	10.186	276	602013	34.8945 ug/mL	97

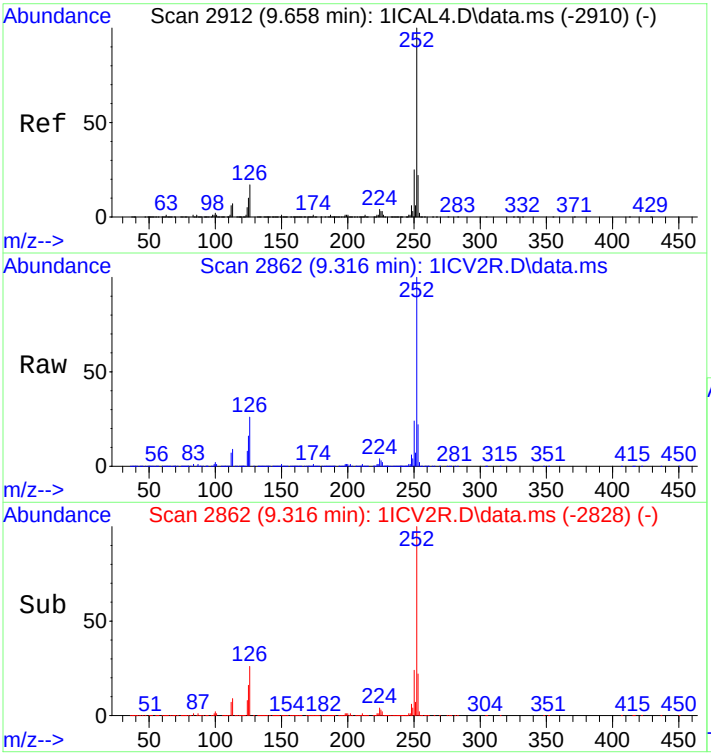
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S080513\1ICV2R.D Vial: 19
Acq On : 5 Aug 2013 17:47 Operator: RPN
Sample : ICV 40ug/ml SVMS5790A Inst : SVMS1
Misc : 500uL+5ul IS S2810D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 06 15:27:36 2013

Quant Method : C:\INSTARCH\Methods\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Tue Aug 06 15:21:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



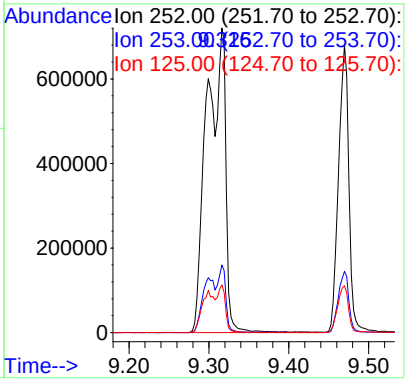


#88
B[k]fluoranth
Concen: 71.42 ug/mL
RT: 9.316 min Scan# 2862
Delta R.T. 0.006 min
Lab File: 1ICV2R.D
Acq: 5 Aug 2013 17:47

Tgt Ion:252 Resp: 1183350

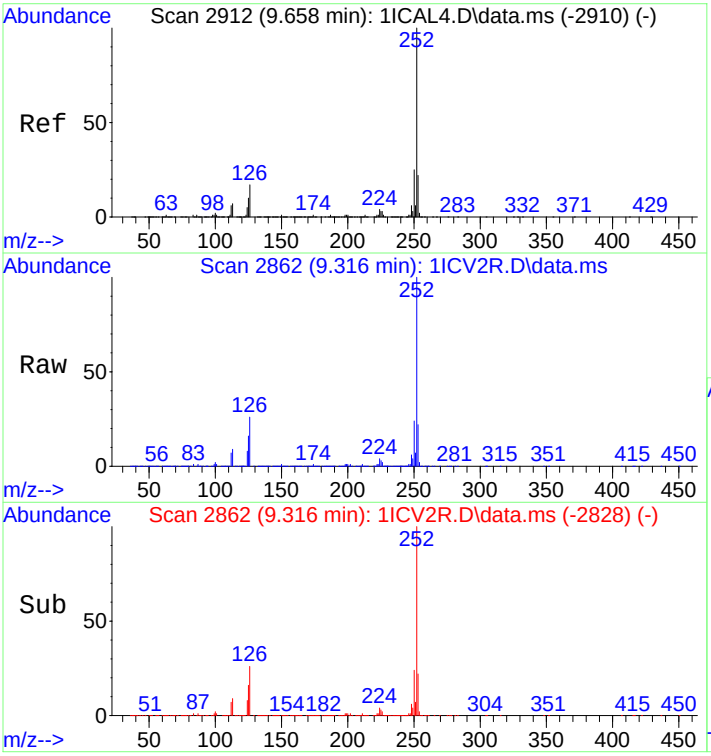
Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	52.3
125	15.6	0.0	45.8

Before Manual Integration



Reason#3

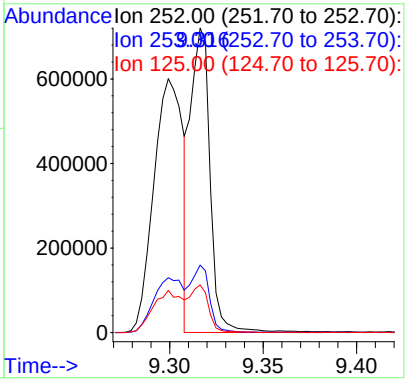
CRPN
08/05/13



#88
B[k]fluoranth
Concen: 32.02 ug/mL m
RT: 9.316 min Scan# 2862
Delta R.T. 0.006 min
Lab File: 1ICV2R.D
Acq: 5 Aug 2013 17:47

Tgt Ion:252 Resp: 530599

Ion	Ratio	Lower	Upper
252	100		
253	22.2	0.0	52.3
125	15.6	0.0	45.8



After Manual Integration

Reason#3

RPN
08/05/13

RED
09/04/2013

Injection Log Summary Report

Method : Y:\METHOD\2P080713.M (RTE Integrator)
Title : Method for 8270 analysis for instrument SVMS2
Start (Tune) File ID : Y:\DATA\2S080713\2DFTPP15.D
Injection Date : 7 Aug 2013 Log Time Period (hrs) : ALL
Injection Time : 10:00 Total files within period : 15
Sample Directory : Y:\DATA\2S080713\

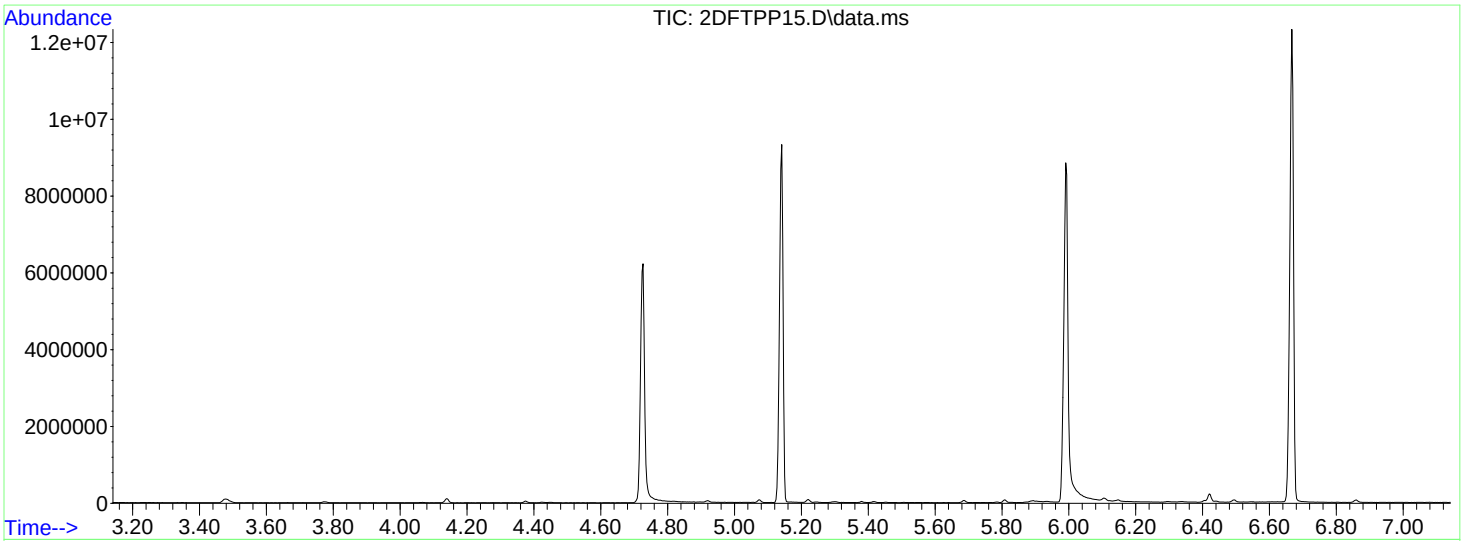
Injection Log Summary Table

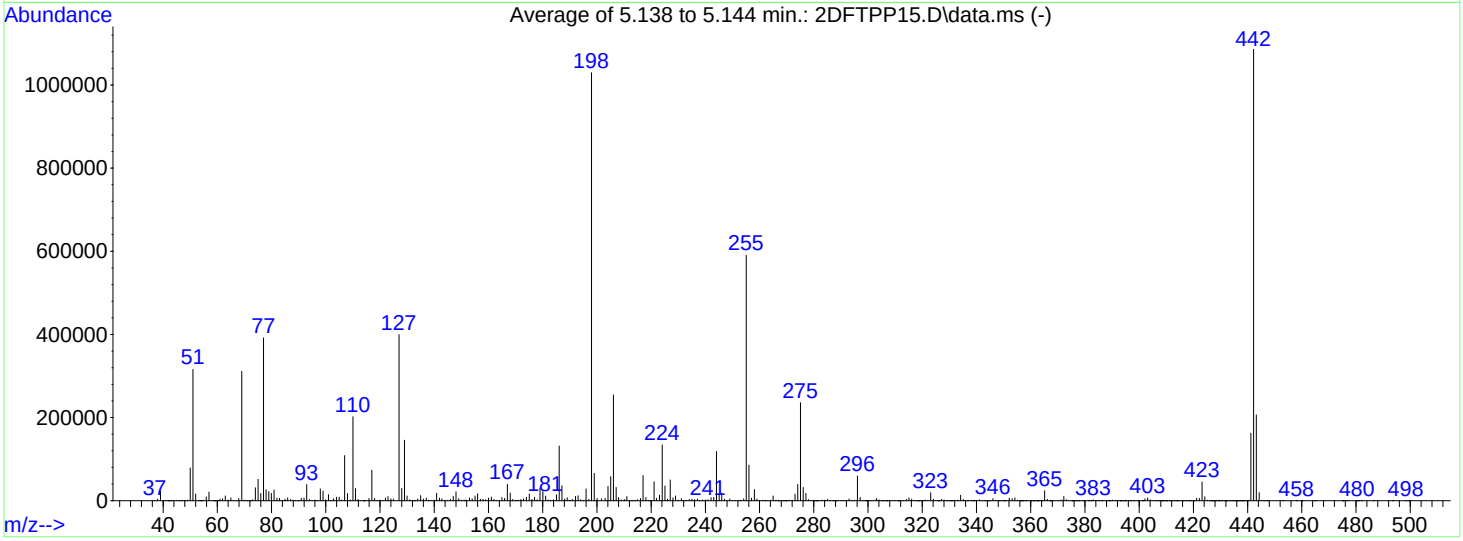
File ID	Multiplier I	S	T	Sample Name / Misc Info	Date	Time
2IB03	1.00	1.00	1.00	InstrumentBlank 500uL+5uL IS SVMS5788	7 Aug 2013	10:16
2ICAL7	1.00	1.00	1.00	ICAL 2000 ng/mL SVMS5720 500uL+5uL IS SVMS5788	7 Aug 2013	10:36
2ICAL6	1.00	1.00	1.00	ICAL 1500 ng/mL SVMS5719 500uL+5uL IS SVMS5788	7 Aug 2013	10:56
2ICAL5	1.00	1.00	1.00	ICAL 1000 ng/mL SVMS5718 500uL+5uL IS SVMS5788	7 Aug 2013	11:16
2ICAL4	1.00	1.00	1.00	ICAL 500 ng/mL SVMS5717 500uL+5uL IS SVMS5788	7 Aug 2013	11:36
2ICAL3	1.00	1.00	1.00	ICAL 100 ng/mL SVMS5716 500uL+5uL IS SVMS5788	7 Aug 2013	11:55
2ICAL2	1.00	1.00	1.00	ICAL 50 ng/mL SVMS5715 500uL+5uL IS SVMS5788	7 Aug 2013	12:15
2ICAL1	1.00	1.00	1.00	ICAL 20 ng/mL SVMS5714 500uL+5uL IS SVMS5788	7 Aug 2013	12:35
2ICV1	1.00	1.00	1.00	ICV1 500 ng/mL SVMS5721 500uL+5uL IS SVMS5788	7 Aug 2013	12:55
2ICV2	1.00	1.00	1.00	ICV2 1500 ng/mL SVMS5722 500uL+5uL IS SVMS5788	7 Aug 2013	13:15

Data File : C:\INSTARCH\DATA\2S080713\2DFTPP15.D Vial: 1
Acq On : 7 Aug 2013 10:00 Operator: RPN
Sample : DFTPP SVMS5691 Inst : SVMS2
Misc : SVMS2,25 ng DFTPP Multiplr: 1.00
Integrator: RTE

RPN
08/07/13

Method : C:\INSTARCH\METHOD\2P080713.M
Title : Method for 8270 analysis for instrument SVMS2
Last Update : Wed Aug 07 13:09:11 2013





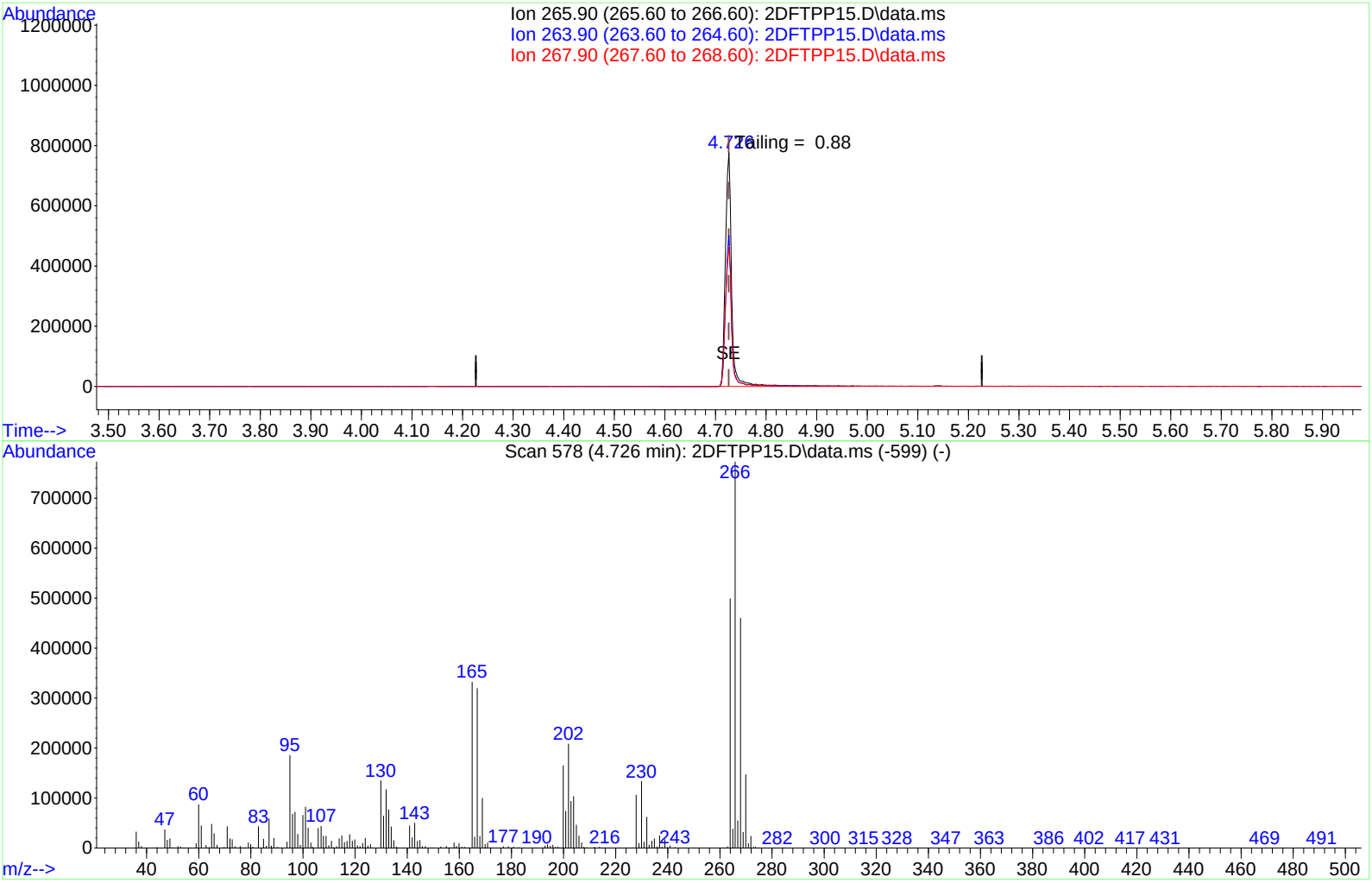
AutoFind: Scans 723, 724, 725; Background Corrected with Scan 715

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	442	10	80	29.1	316096	PASS
68	69	0.00	2	1.7	5343	PASS
70	69	0.00	2	0.5	1431	PASS
127	442	10	80	36.8	399616	PASS
197	198	0.00	2	0.3	3474	PASS
198	442	50	100	94.8	1029482	PASS
199	198	5	9	6.4	65876	PASS
275	442	10	60	21.7	235968	PASS
365	198	1	100	2.3	23965	PASS
441	442	0.01	24	15.0	162666	PASS
442	442	50	100	100.0	1085760	PASS
443	442	15	24	19.0	206144	PASS

Quantitation Report (Qedit)

Data File : C:\INSTARCH\DATA\2S080713\2DFTPP15.D Vial: 1
Acq On : 7 Aug 2013 10:00 Operator: RPN
Sample : DFTPP SVMS5691 Inst : SVMS2
Misc : SVMS2,25 ng DFTPP Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 17:08:11 2013

Quant Method : C:\INSTARCH\METHOD\2SIMDFT.M
Quant Title : DFTPP TUNE Method
QLast Update : Wed Aug 07 17:08:01 2013
Response via : Initial Calibration
DataAcq Meth:2SIMDFT.M



TIC: 2DFTPP15.D\data.ms

(1) Pentachlorophenol

4.726min (0.000) 187.03 ng

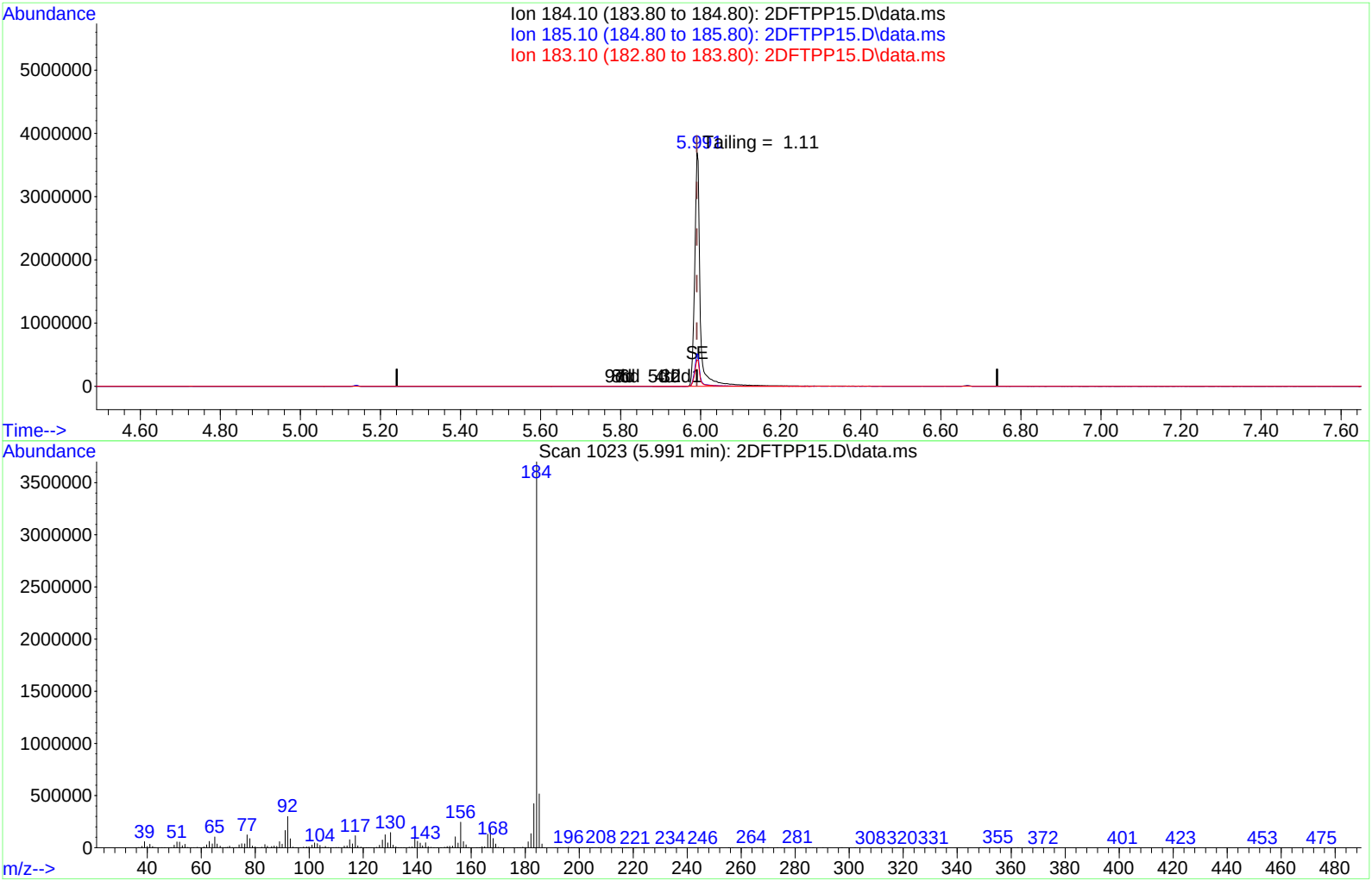
response 646535

Ion	Exp%	Act%
265.90	100	100
263.90	63.20	64.52
267.90	63.10	59.61
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\INSTARCH\DATA\2S080713\2DFTPP15.D Vial: 1
Acq On : 7 Aug 2013 10:00 Operator: RPN
Sample : DFTPP SVMS5691 Inst : SVMS2
Misc : SVMS2,25 ng DFTPP Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 17:08:11 2013

Quant Method : C:\INSTARCH\METHOD\2SIMDFT.M
Quant Title : DFTPP TUNE Method
QLast Update : Wed Aug 07 17:08:01 2013
Response via : Initial Calibration
DataAcq Meth:2SIMDFT.M



TIC: 2DFTPP15.D\data.ms

(3) Benzidine

5.991min (0.000) 188.01 ng

response 3581118

Ion	Exp%	Act%
184.10	100	100
185.10	15.00	13.98
183.10	11.40	11.30
0.00	0.00	0.00

Data File	: 2DFTPP15.D	Vial Number	: 1
Data File Path	: C:\INSTARCH\DATA\2S080713\	Operator	: RPN
Date Acquired	: 8/7/2013 10:00	Instrument Name:	SVMS2
Sample Name	: DFTPP SVMS5691	Sample Multiplier:	1
Misc Info	: SVMS2,25 ng DFTPP		

Quant Method	: C:\INSTARCH\METHOD\2SIMDFT.M
Calibration Title	: DFTPP TUNE Method
Last Update	: Wed Aug 07 17:08:01 2013

Compound	R.T.	QIon	Response
1) Pentachlorophenol	4.73	266	646535
2) DFTPP	5.14	198	821388
3) Benzidine	5.99	184	3581118
4) DDE	6.15	246	4336
5) DDD	6.42	235	34379
6) DDT	6.67	235	1985095

DDT %Degradation

$$\frac{\text{DDD + DDE}}{\text{DDD + DDE + DDT}} \times 100\% = 1.91\ \%$$

Method Path : C:\INSTARCH\METHOD\
Method File : 2P080713.M
Title : Method for 8270 analysis for instrument SVMS2
Last Update : Thu Aug 08 09:30:50 2013
Response Via : Initial Calibration

Calibration Files
0.02=2ICAL1.D 0.05=2ICAL2.D 0.1 =2ICAL3.D 0.5 =2ICAL4.D 1.0 =2ICAL5.D 1.5 =2ICAL6.D 2.0 =2ICAL7.D

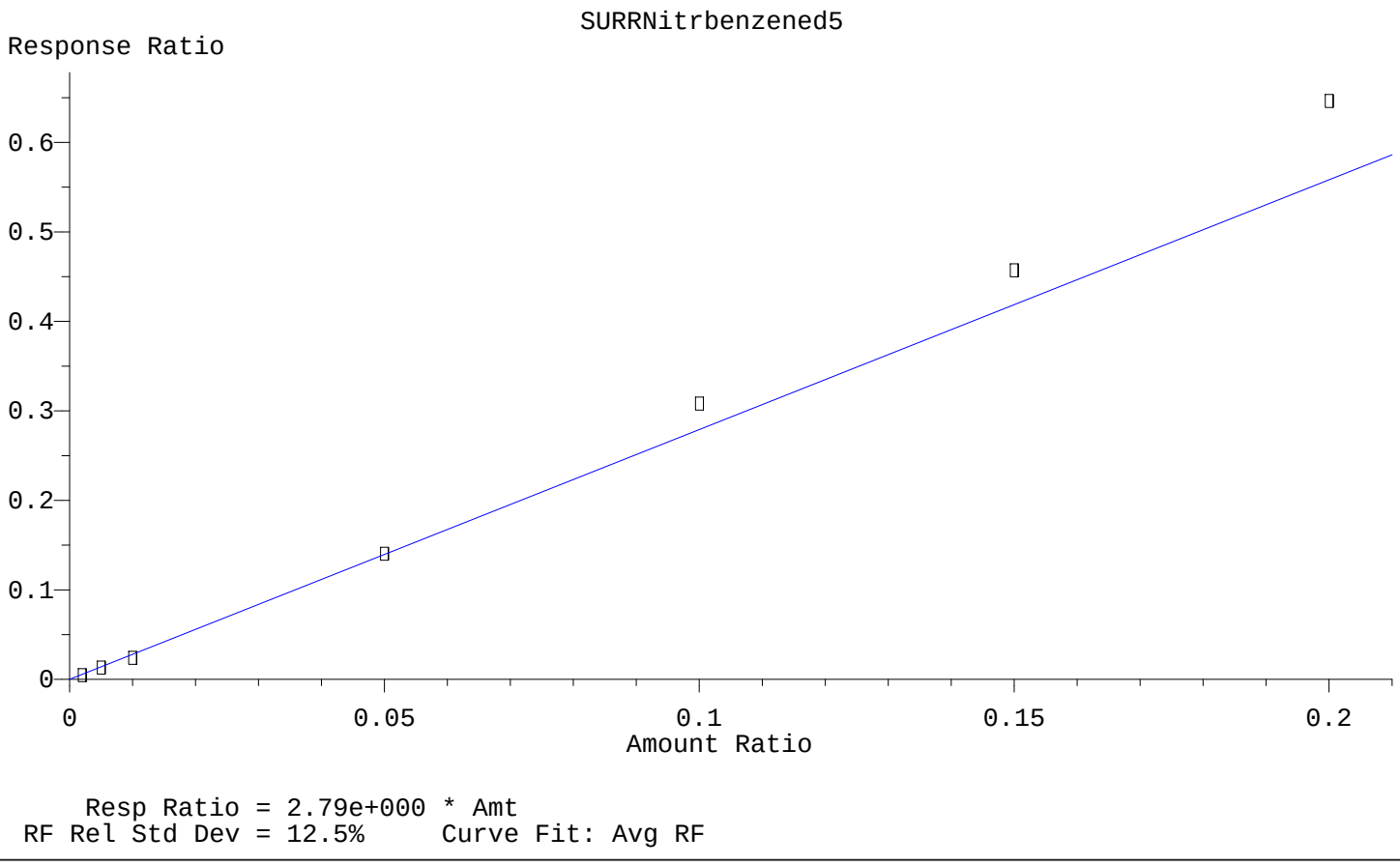
	Compound	0.02	0.05	0.1	0.5	1.0	1.5	2.0	Avg	%RSD
1) I	14Diclbenzd4	----------	ISTD	----------						
2) I	Naphthalened8	----------	ISTD	----------						
3) S	SURRNitrbenzened5	2.325	2.642	2.406	2.806	3.080	3.047	3.231	2.791	12.50
4) CPT	Naphthalene	0.926	0.889	0.858	0.866	0.894	0.851	0.883	0.881	2.90
5) CPT	2Methylnaphth	0.409	0.444	0.459	0.539	0.593	0.579	0.604	0.518	15.36
6) TM	1Methylnaphth	0.763	0.692	0.657	0.654	0.665	0.626	0.640	0.671	6.79
7) I	Acenaphthened10	----------	ISTD	----------						
8) S	SURR2Fbiphenyl	1.401	1.141	1.065	1.057	1.139	1.084	1.131	1.145 E1	10.30
9) CPT	Acenaphthylene	1.225	1.184	1.187	1.273	1.387	1.362	1.431	1.293	7.79
10) CPT	Acenaphthene	1.016	0.980	0.939	0.965	0.998	0.941	0.970	0.973	2.91
11) CPT	Fluorene	1.075	1.006	0.974	1.051	1.133	1.096	1.144	1.068	5.90
12) I	Phenanthrd10	----------	ISTD	----------						
13) CPT	Phenanthrene	0.964	0.855	0.803	0.800	0.862	0.826	0.852	0.852	6.49
14) CPT	Anthracene	1.093	0.993	0.935	0.959	1.008	0.961	0.989	0.991	5.17
15) CPT	Fluoranthene	1.253	1.147	1.051	1.085	1.153	1.087	1.115	1.127	5.87
16) I	Chrysene-d12	----------	ISTD	----------						
17) CPT	Pyrene	1.399	1.304	1.296	1.288	1.271	1.174	1.209	1.277	5.66
18) S	SURRTerphenyl-d14	6.987	6.687	6.624	6.710	6.772	6.363	6.589	6.676	2.84
19) CPT	B[a]anthracen	0.778	0.705	0.648	0.772	0.815	0.892	0.905	0.788#	11.82
20) CPT	Chrysene	1.430	1.318	1.247	1.150	1.209	1.060	1.102	1.216	10.57
21) I	Perylene-d12	----------	ISTD	----------						
22) CPT	B[b]fluoranth	0.779	0.830	0.862	1.028	1.079	1.035	1.045	0.951	12.90
23) CPT	B[k]fluoranth	1.189	1.304	1.895	1.243	1.348	1.273	1.350	1.372	17.32
24) CPT	Benz[a]pyrene	1.155	0.981	0.917	0.938	1.047	1.034	1.078	1.021	8.15
25) CPT	Indeno-pyrene	0.672	0.627	0.634	0.678	0.814	0.857	0.888	0.739	14.99
26) CPT	Dib[ah]anthr	0.484	0.452	0.470	0.483	0.563	0.613	0.643	0.530	14.36
27) CPT	B[ghi]perylen	0.746	0.671	0.683	0.665	0.759	0.776	0.800	0.729	7.49

(#) = Out of Range

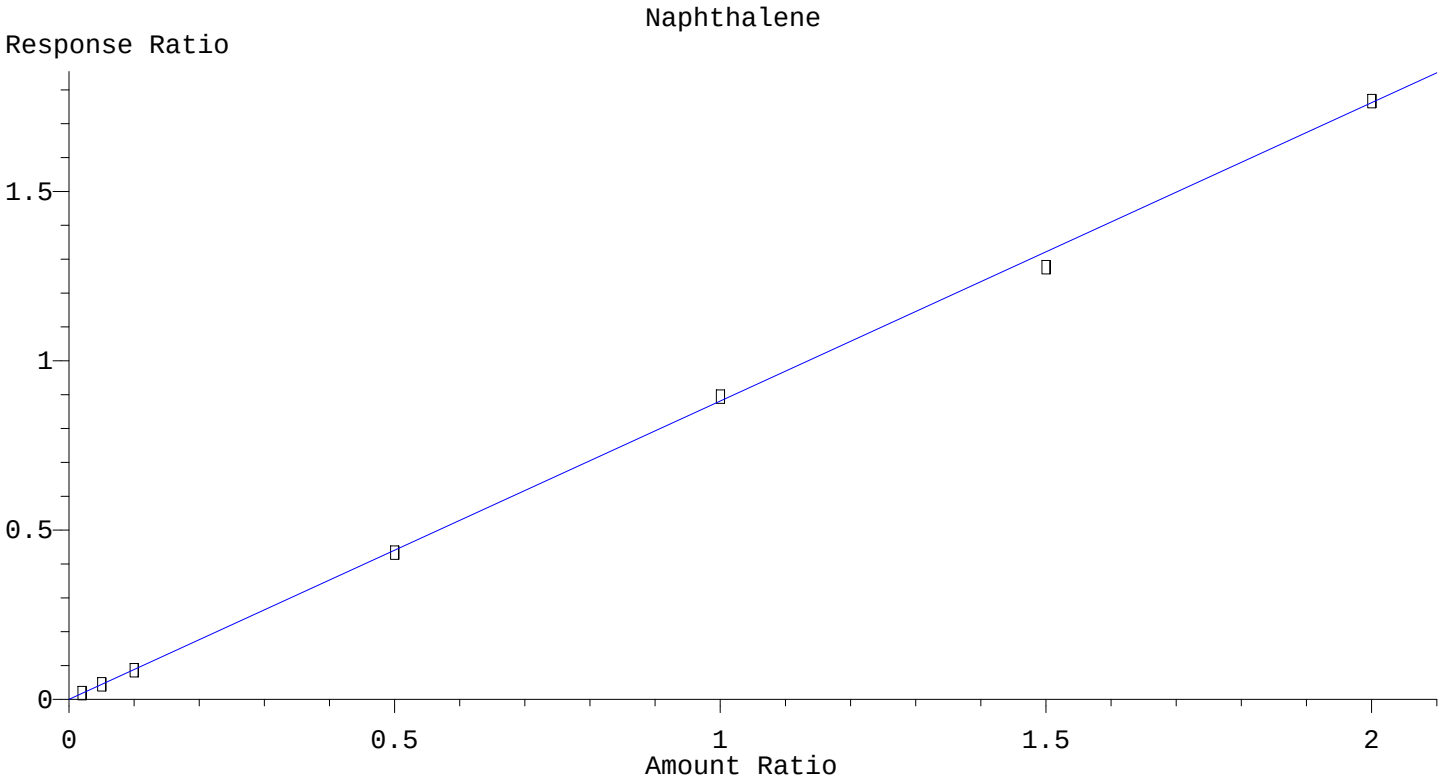
Response Factor Report SVMS2

Minimum RF <0.8 recommended in 8270D

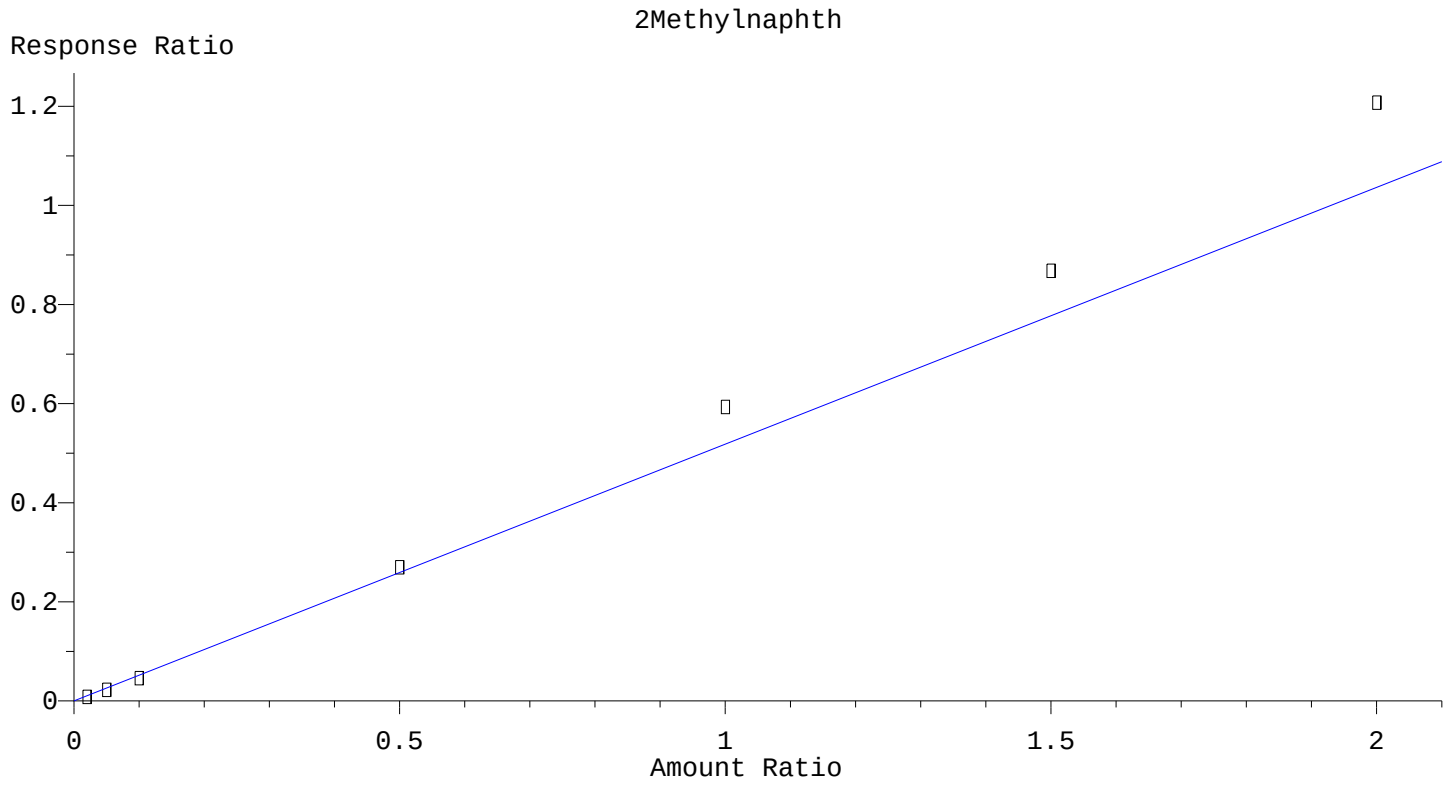
Page 814



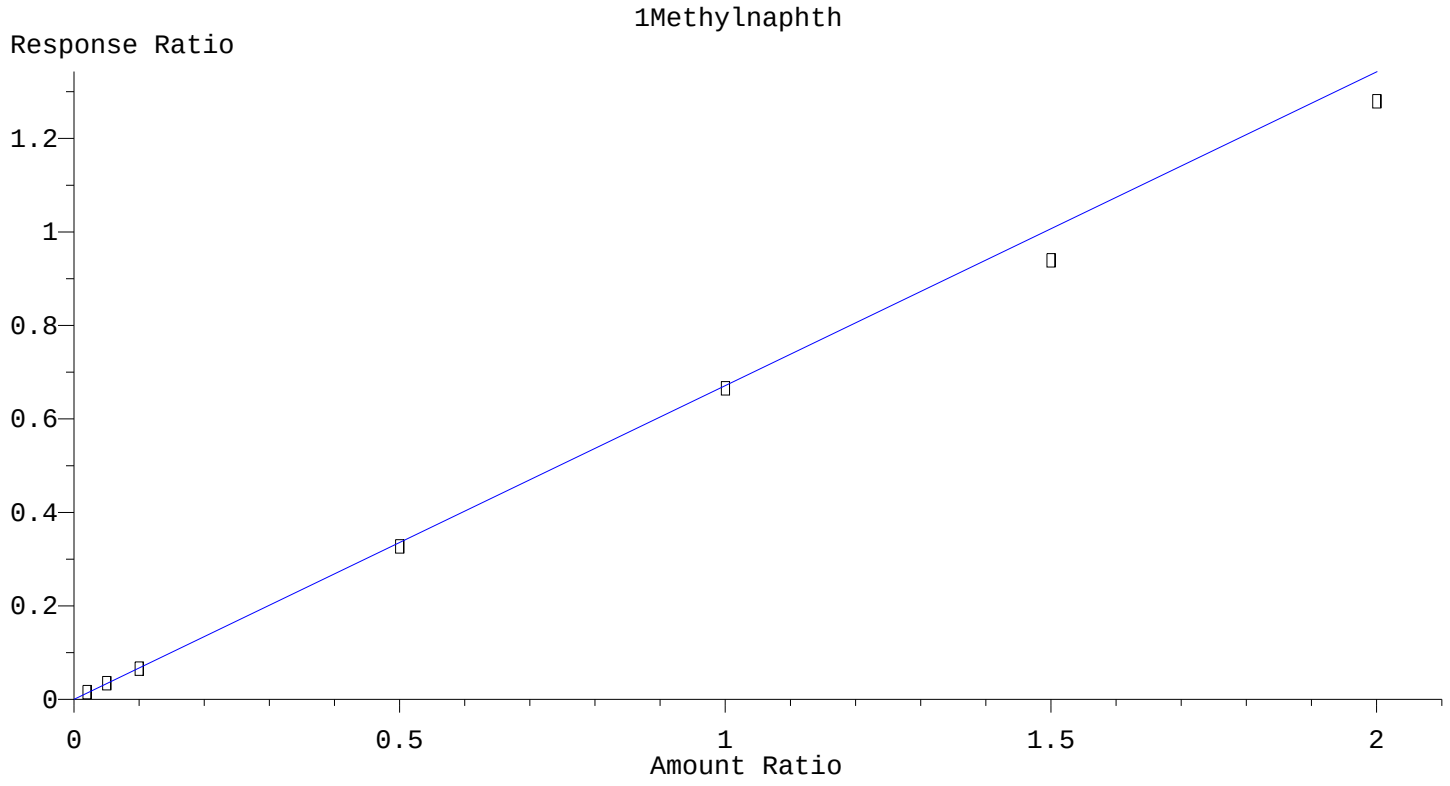
Resp Ratio = 2.79e+000 * Amt
RF Rel Std Dev = 12.5% Curve Fit: Avg RF



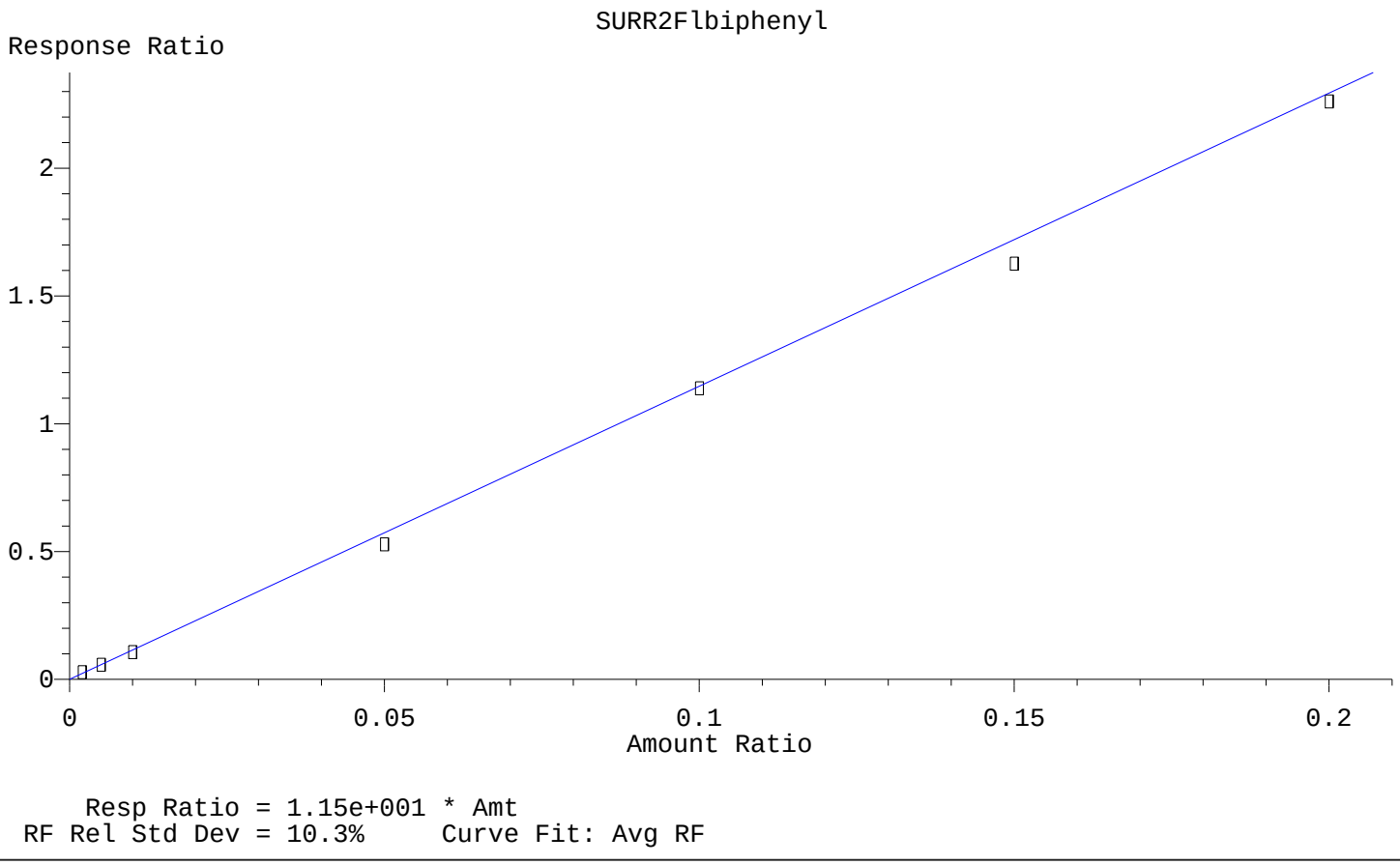
Resp Ratio = 8.81e-001 * Amt
RF Rel Std Dev = 2.9% Curve Fit: Avg RF



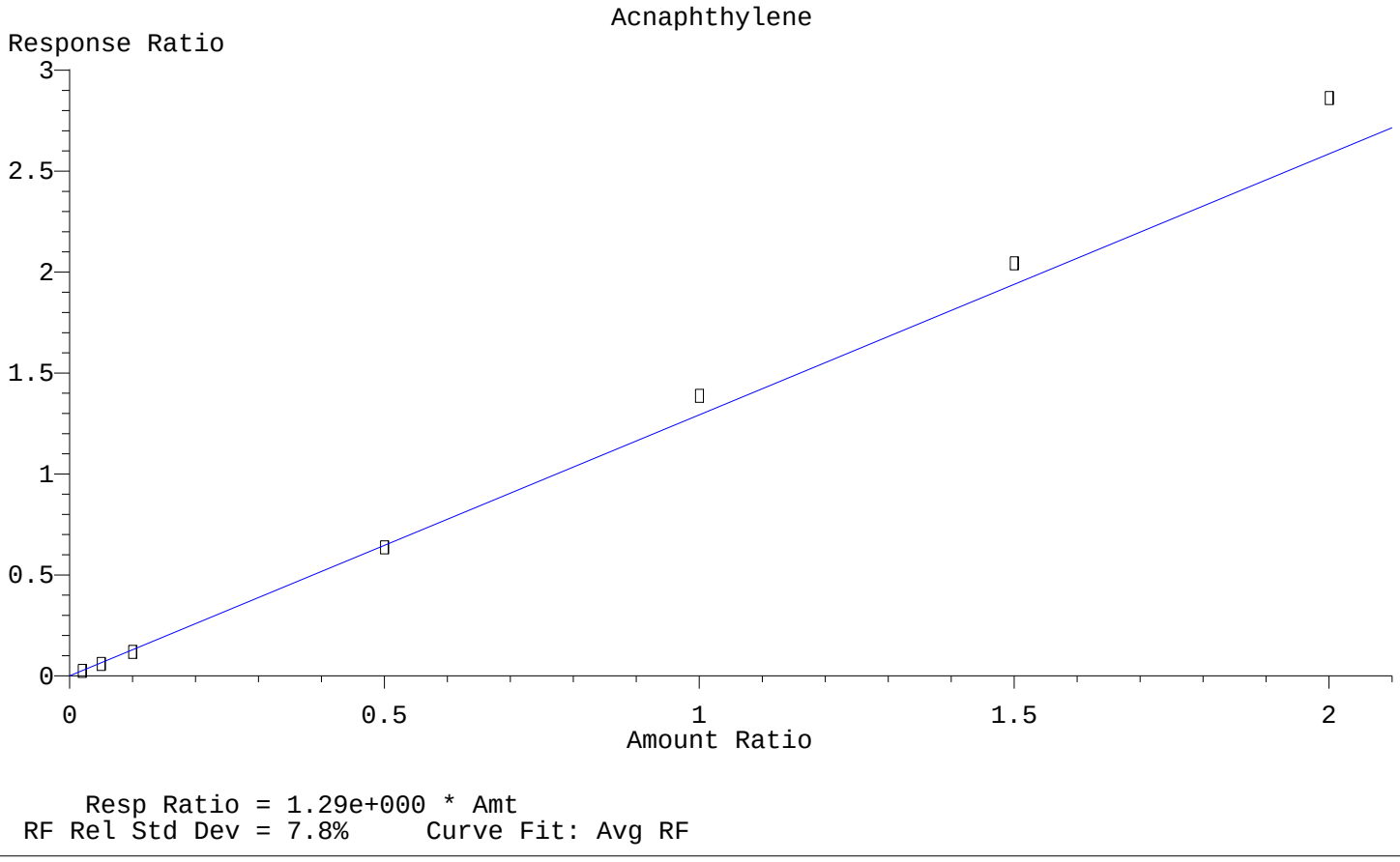
Resp Ratio = 5.18e-001 * Amt
RF Rel Std Dev = 15.4% Curve Fit: Avg RF



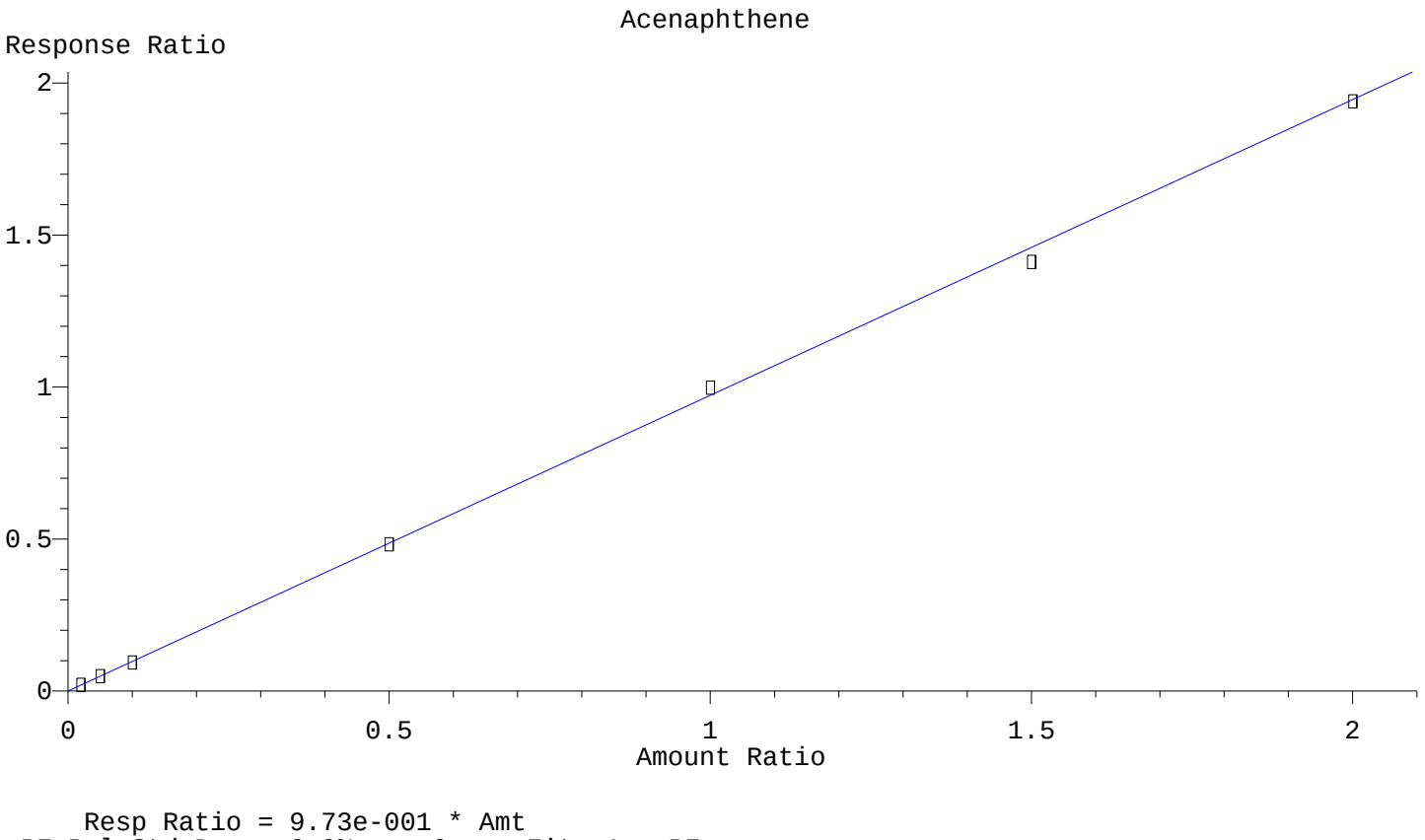
Resp Ratio = 6.71e-001 * Amt
RF Rel Std Dev = 6.8% Curve Fit: Avg RF



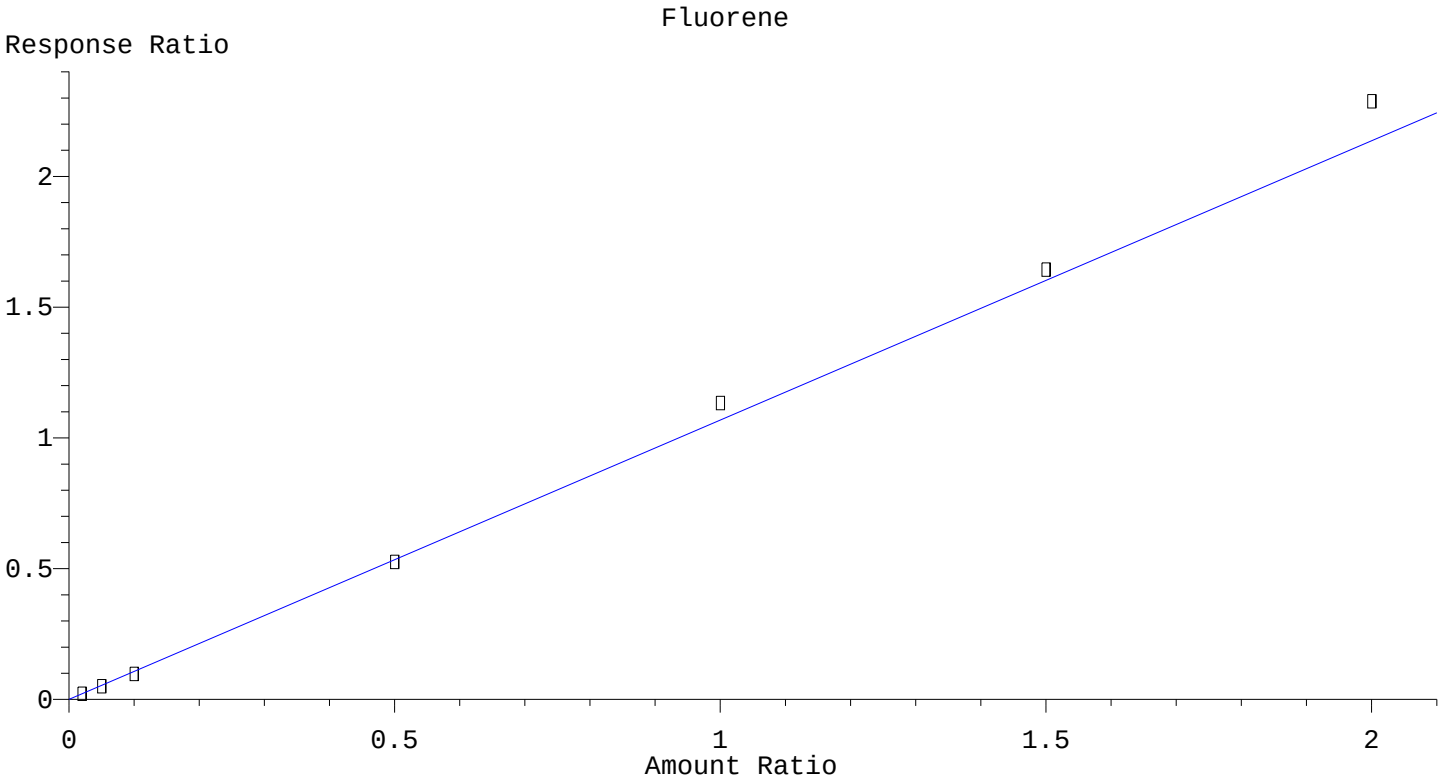
Resp Ratio = 1.15e+001 * Amt
RF Rel Std Dev = 10.3% Curve Fit: Avg RF



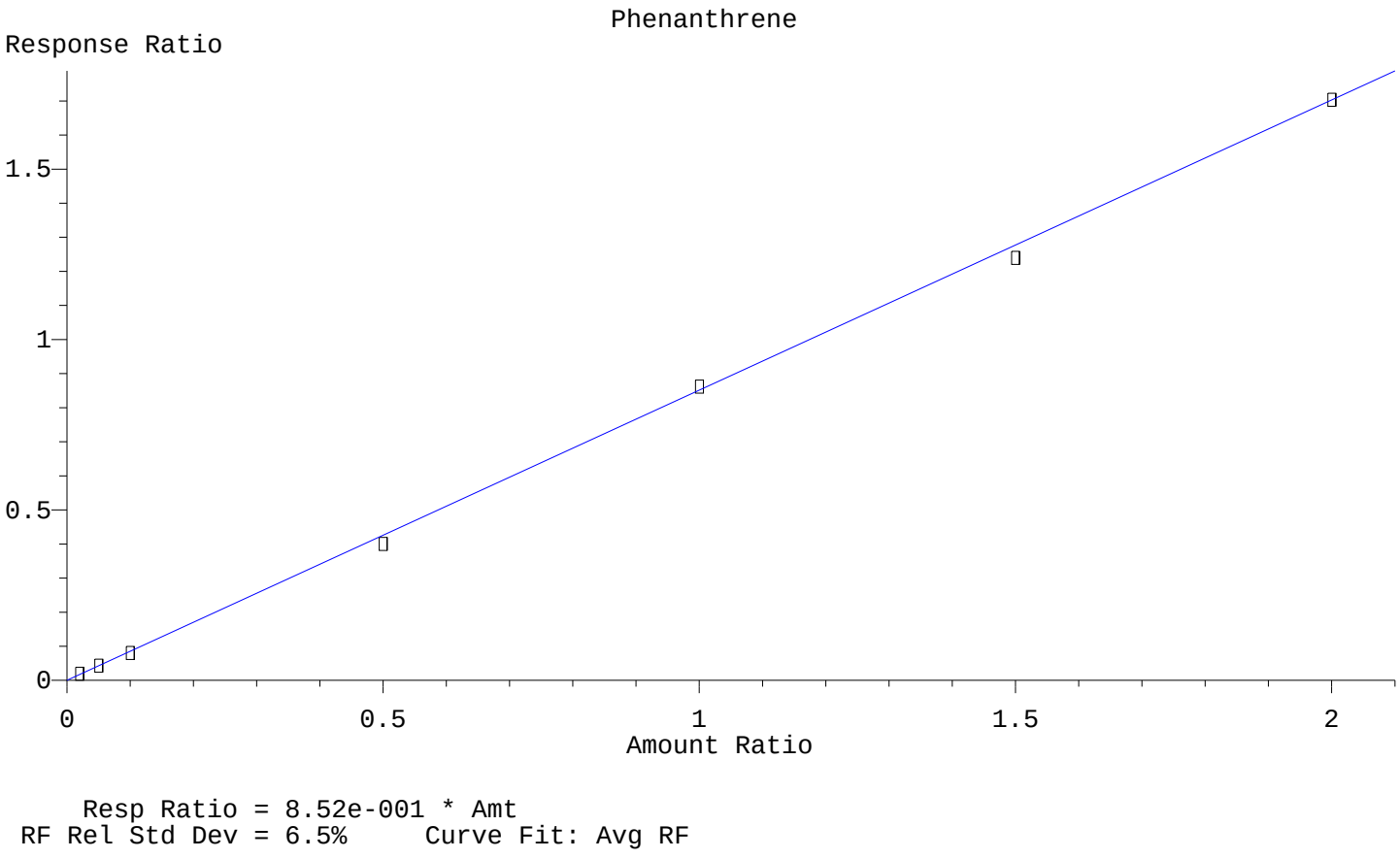
Resp Ratio = 1.29e+000 * Amt
RF Rel Std Dev = 7.8% Curve Fit: Avg RF



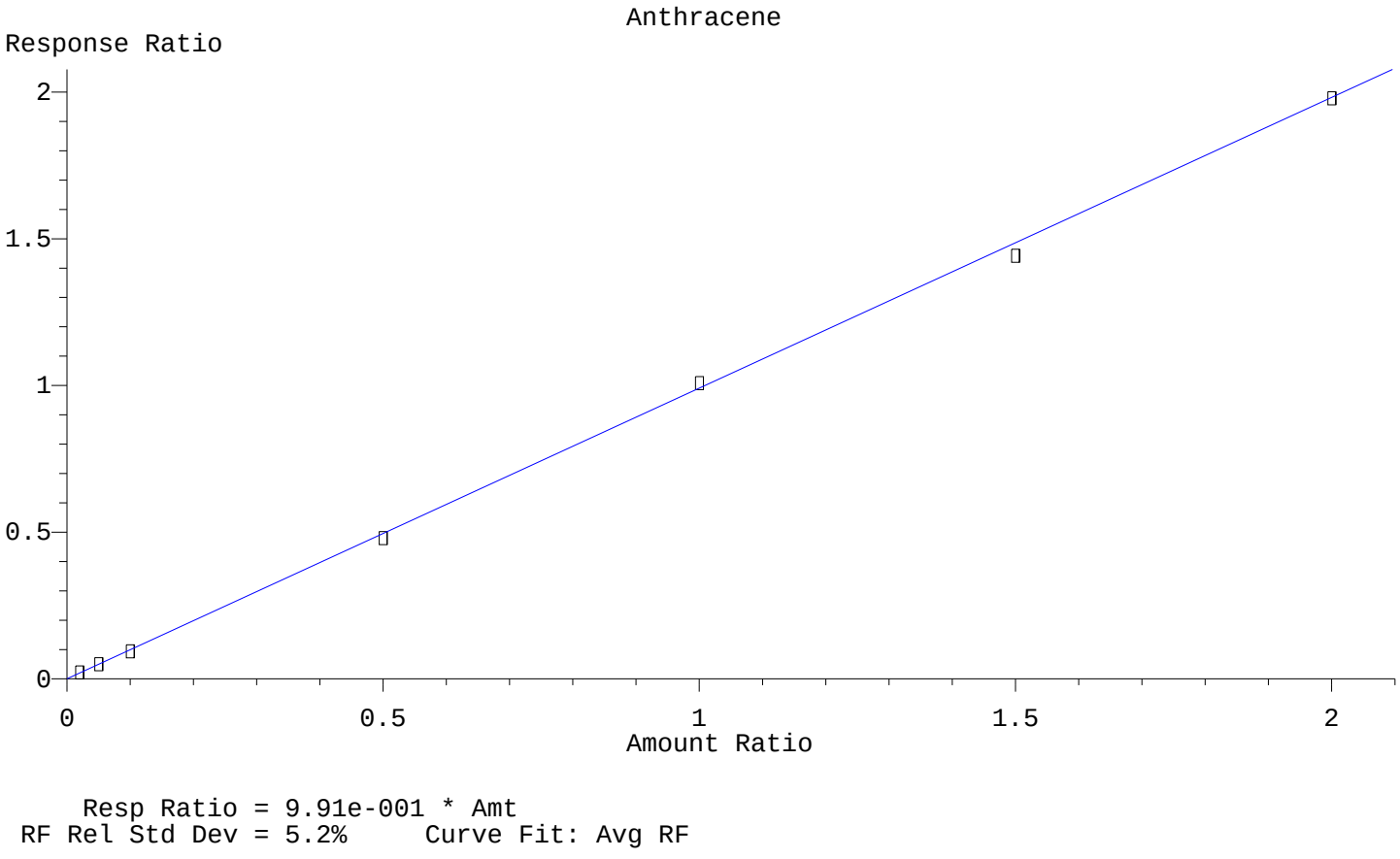
Resp Ratio = 9.73e-001 * Amt
RF Rel Std Dev = 2.9% Curve Fit: Avg RF



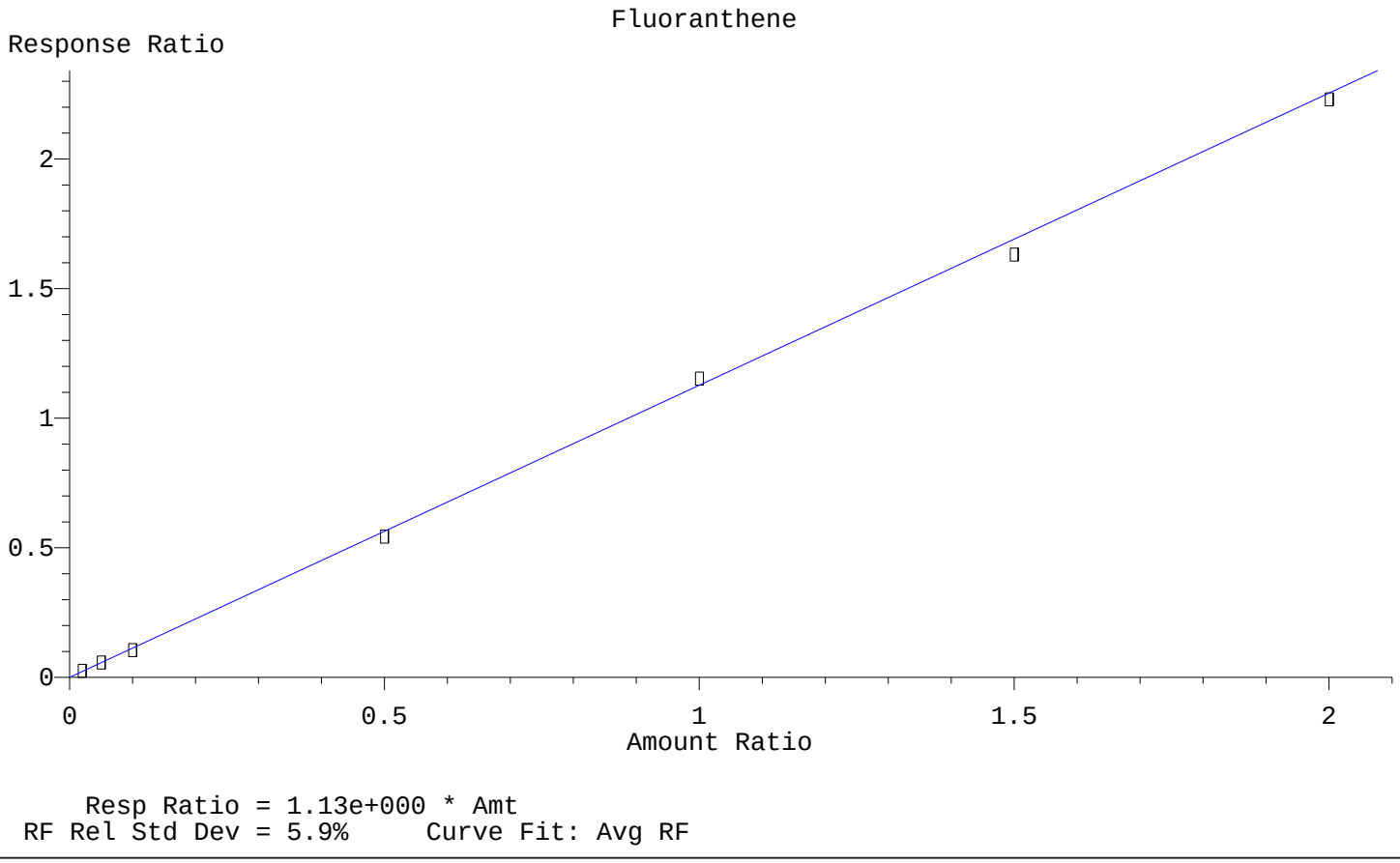
Resp Ratio = 1.07e+000 * Amt
RF Rel Std Dev = 5.9% Curve Fit: Avg RF



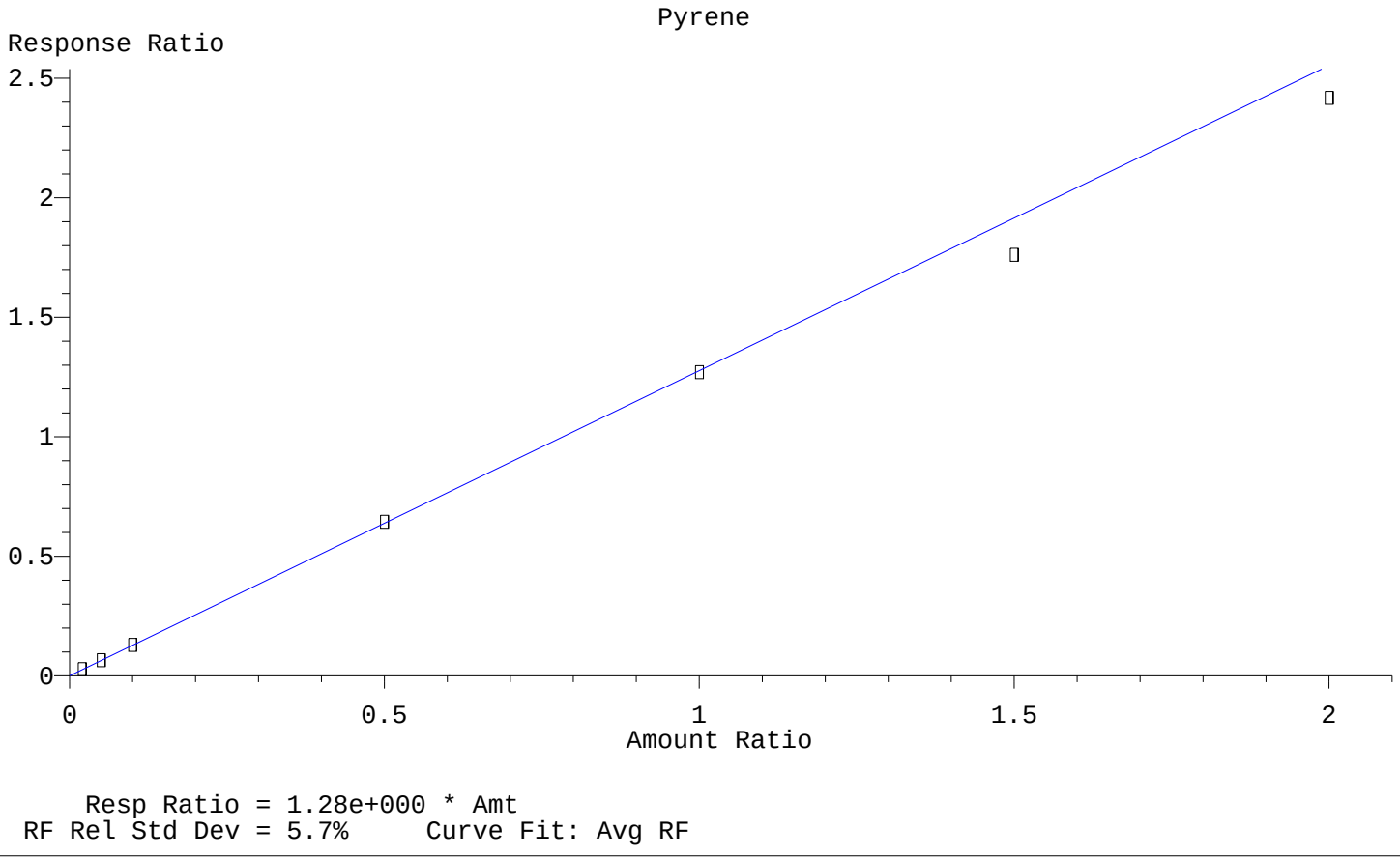
Resp Ratio = 8.52e-001 * Amt
RF Rel Std Dev = 6.5% Curve Fit: Avg RF



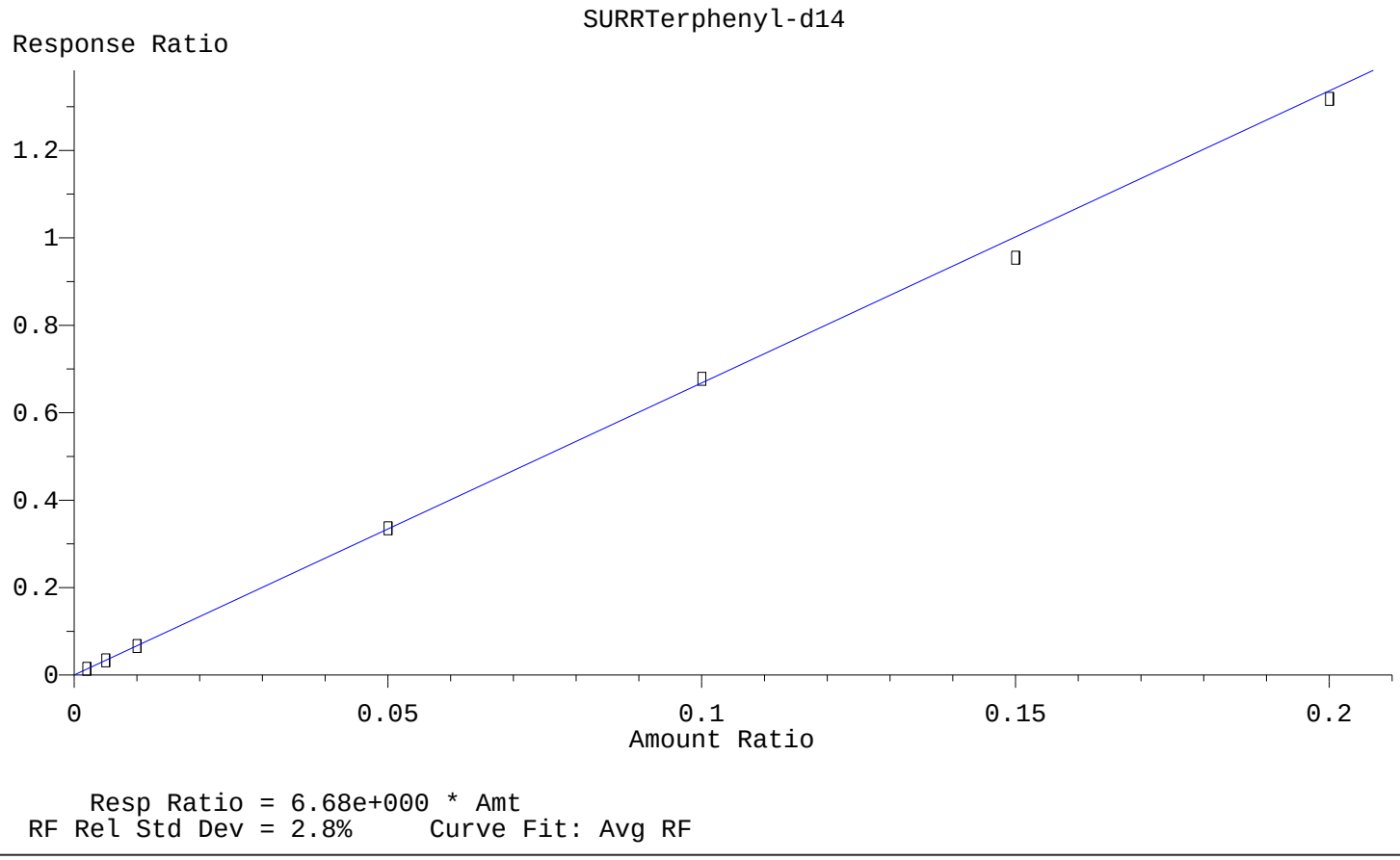
Resp Ratio = 9.91e-001 * Amt
RF Rel Std Dev = 5.2% Curve Fit: Avg RF



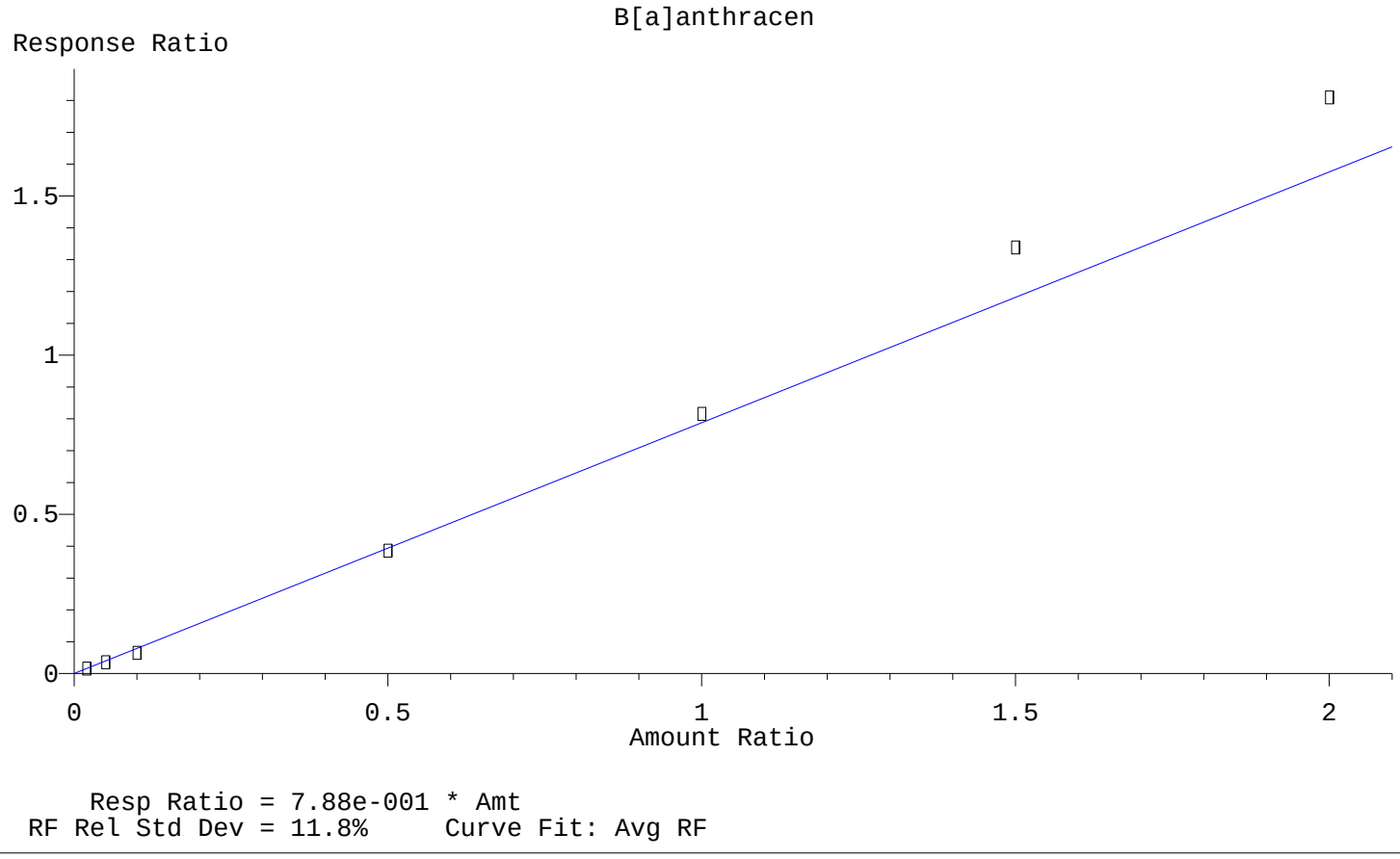
Resp Ratio = 1.13e+000 * Amt
RF Rel Std Dev = 5.9% Curve Fit: Avg RF



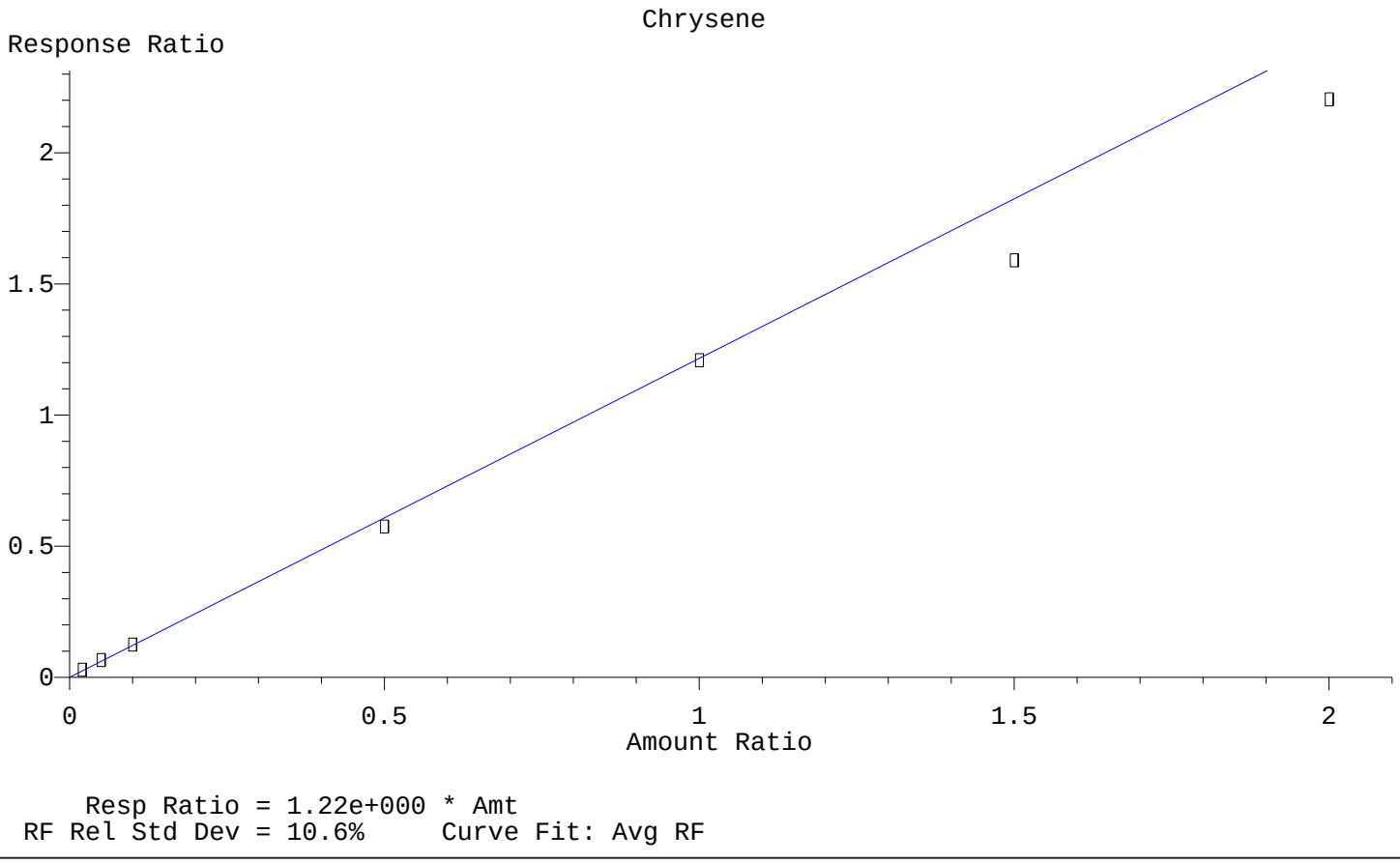
Resp Ratio = 1.28e+000 * Amt
RF Rel Std Dev = 5.7% Curve Fit: Avg RF



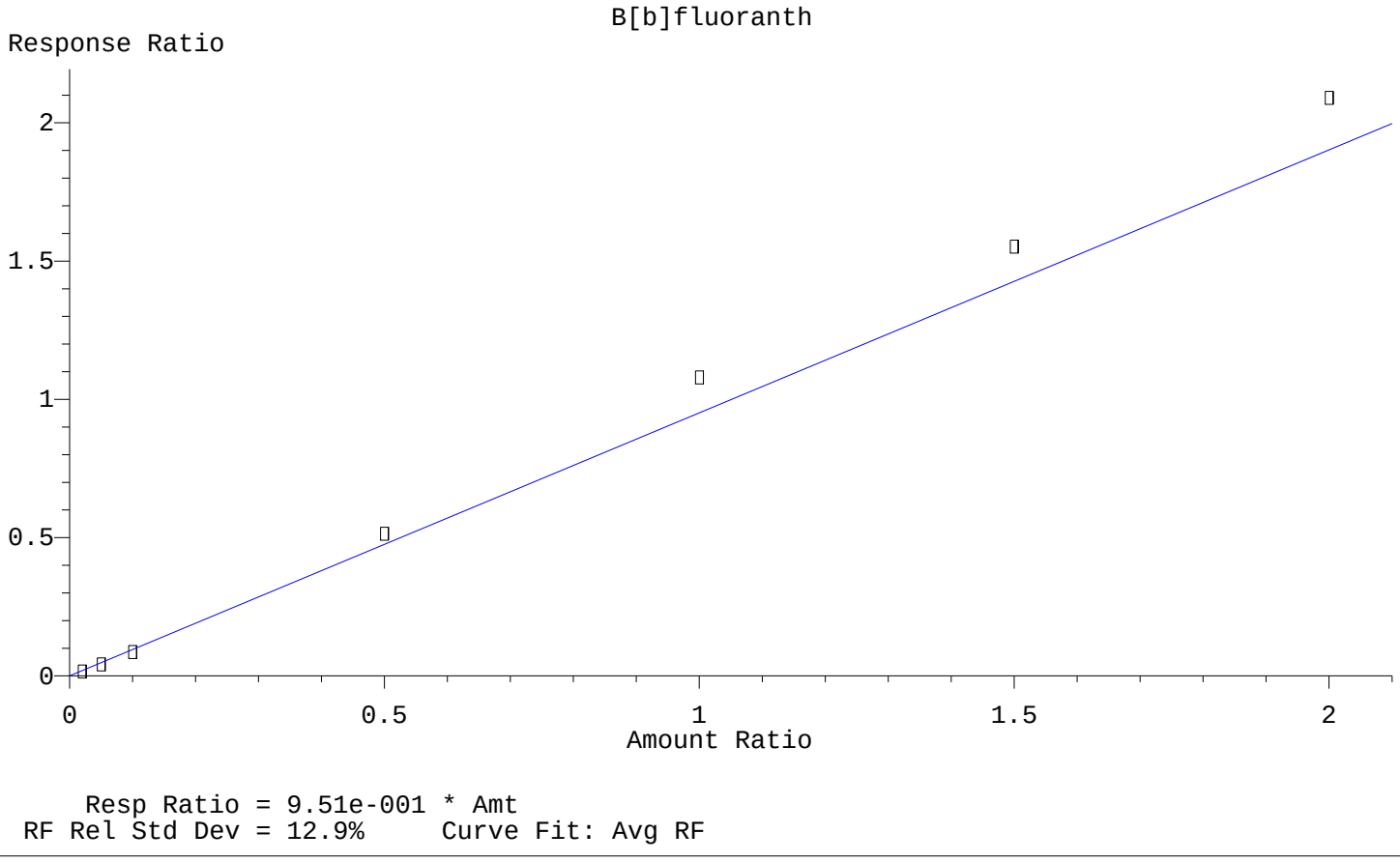
Resp Ratio = 6.68e+000 * Amt
RF Rel Std Dev = 2.8% Curve Fit: Avg RF



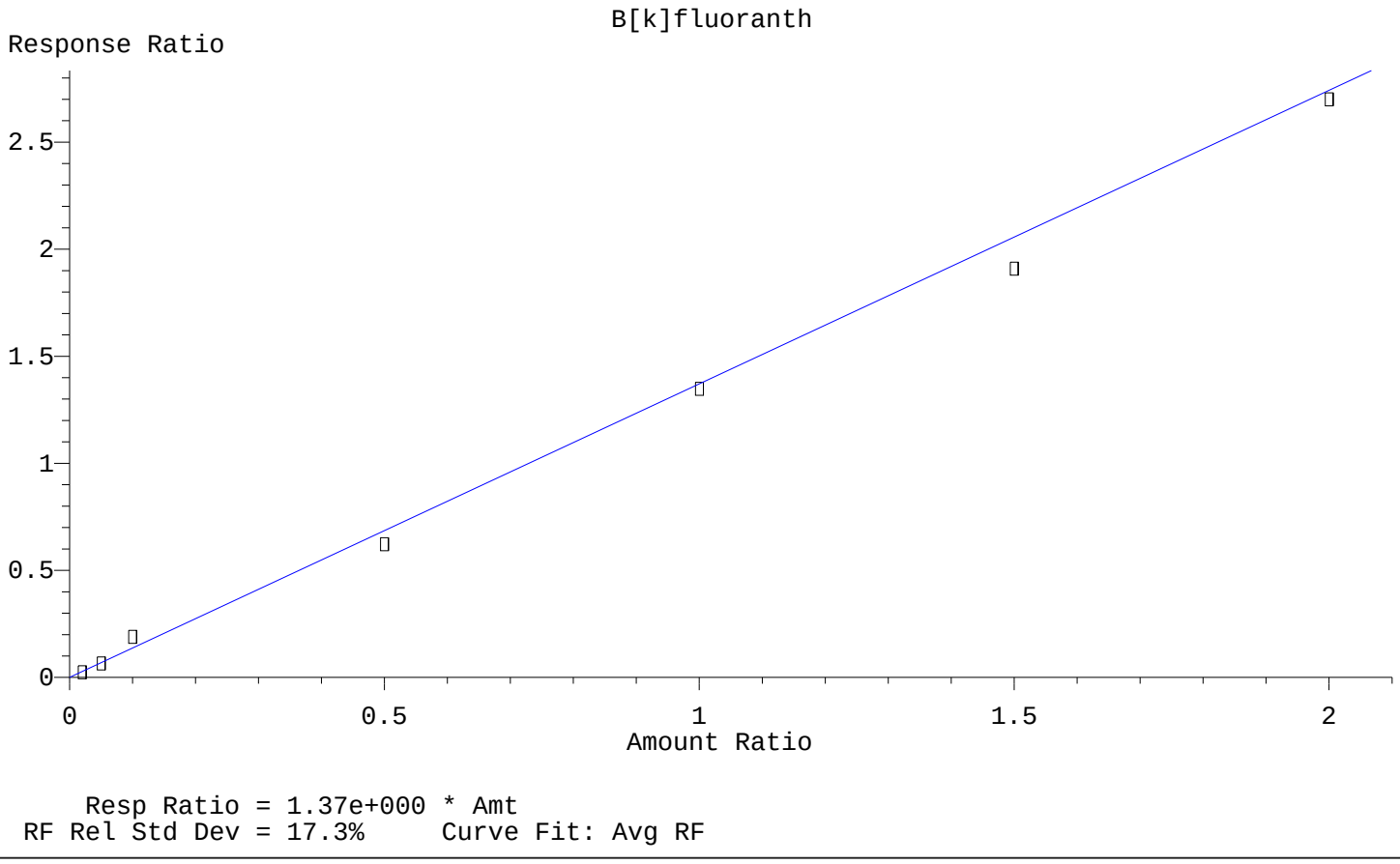
Resp Ratio = 7.88e-001 * Amt
RF Rel Std Dev = 11.8% Curve Fit: Avg RF



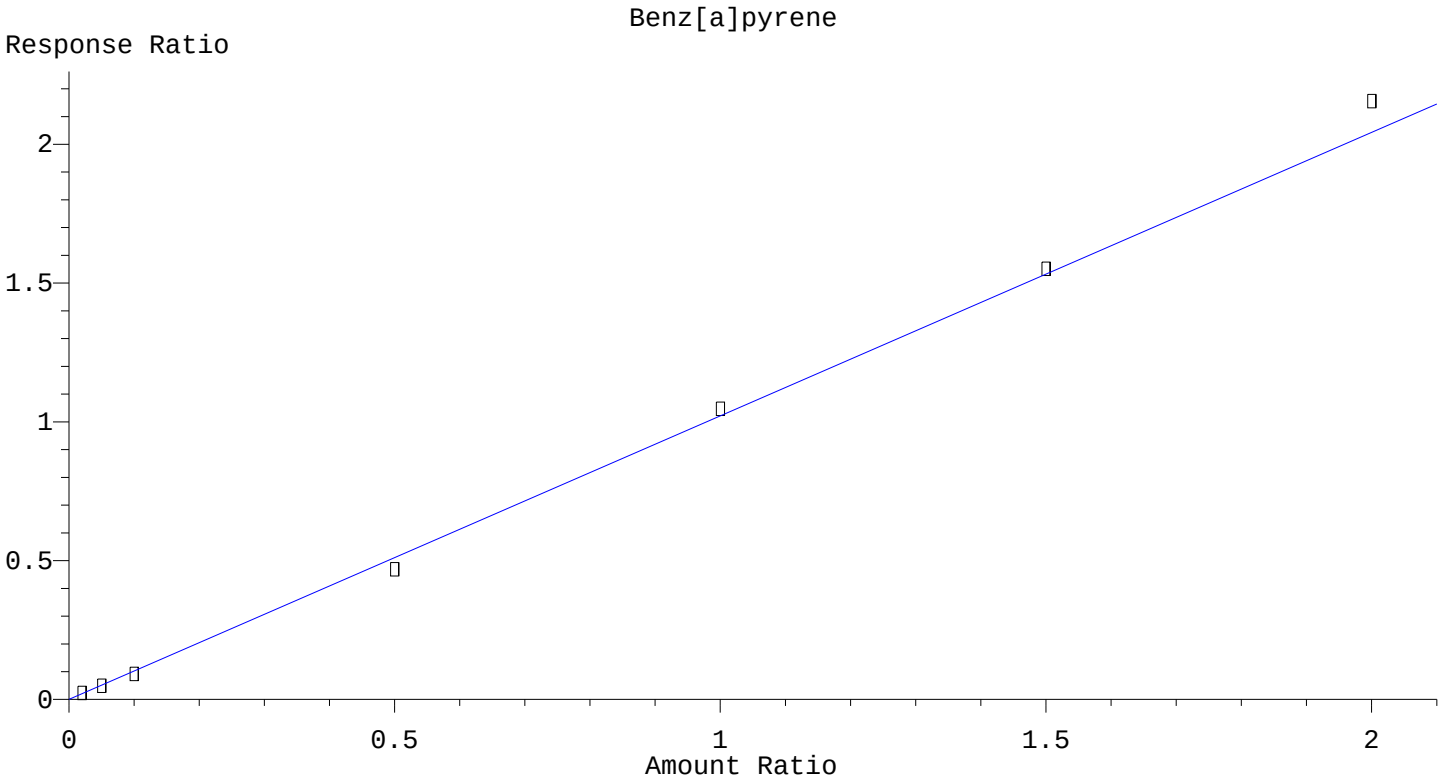
Resp Ratio = 1.22e+000 * Amt
RF Rel Std Dev = 10.6% Curve Fit: Avg RF



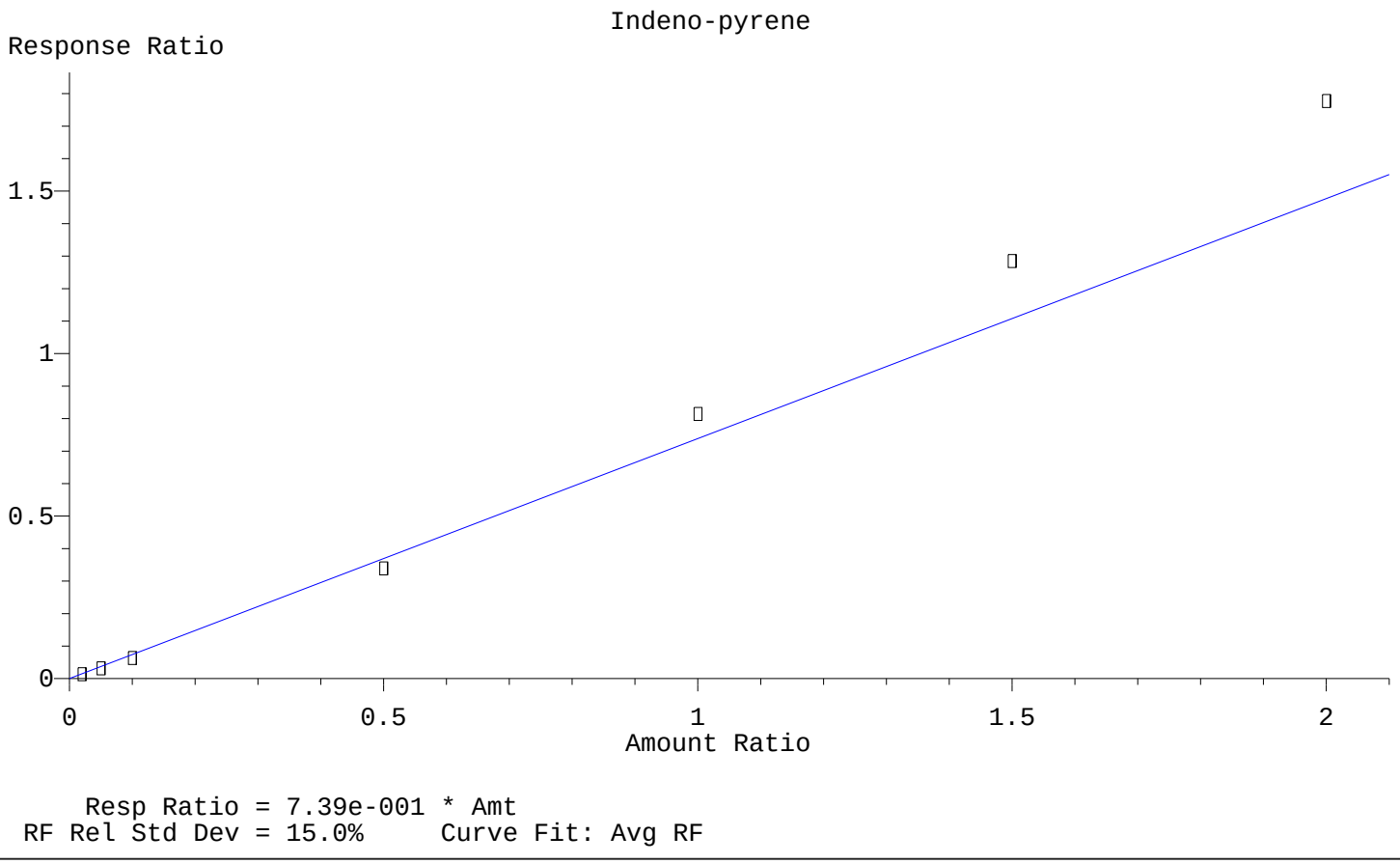
Resp Ratio = 9.51e-001 * Amt
RF Rel Std Dev = 12.9% Curve Fit: Avg RF



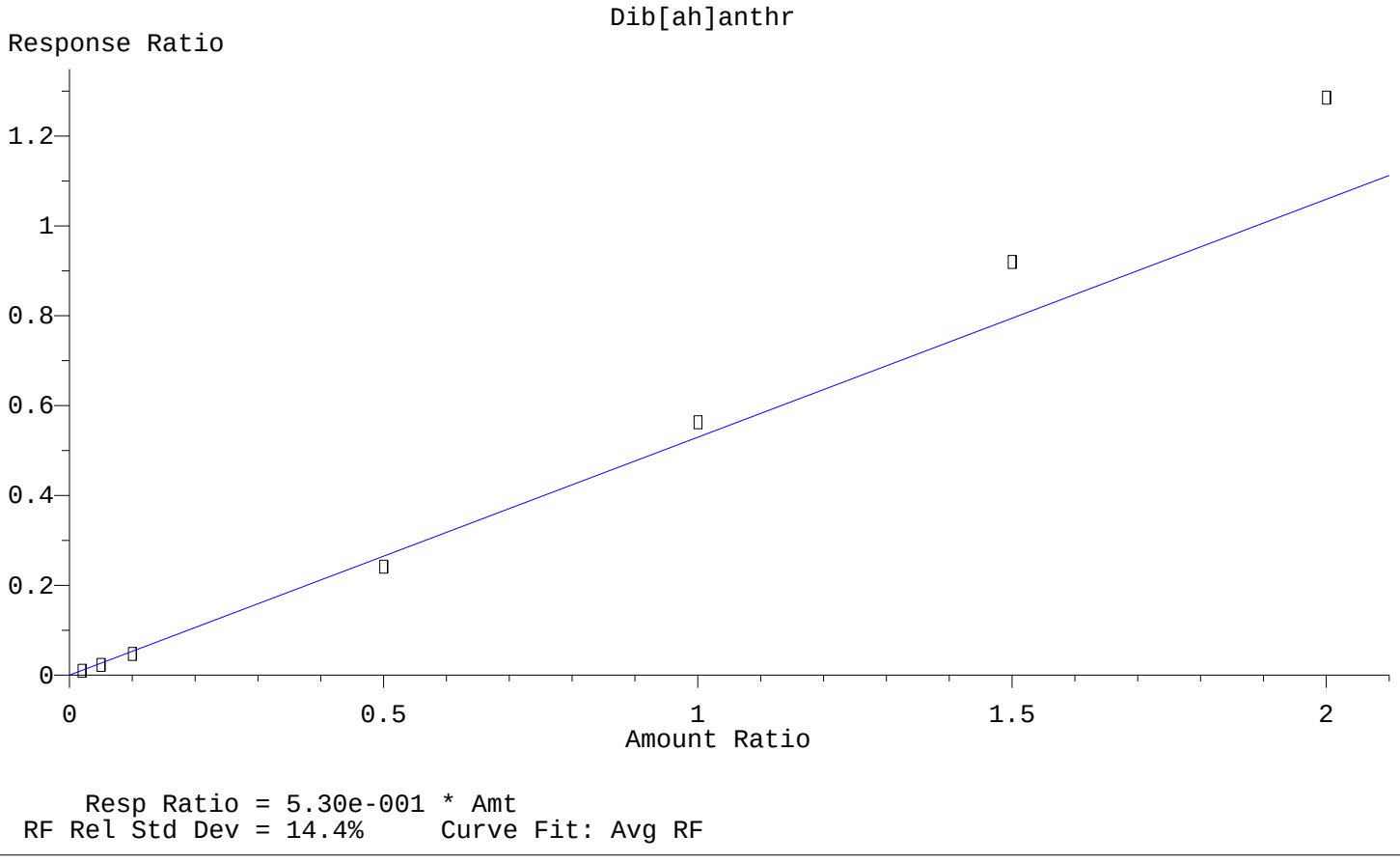
Resp Ratio = 1.37e+000 * Amt
RF Rel Std Dev = 17.3% Curve Fit: Avg RF



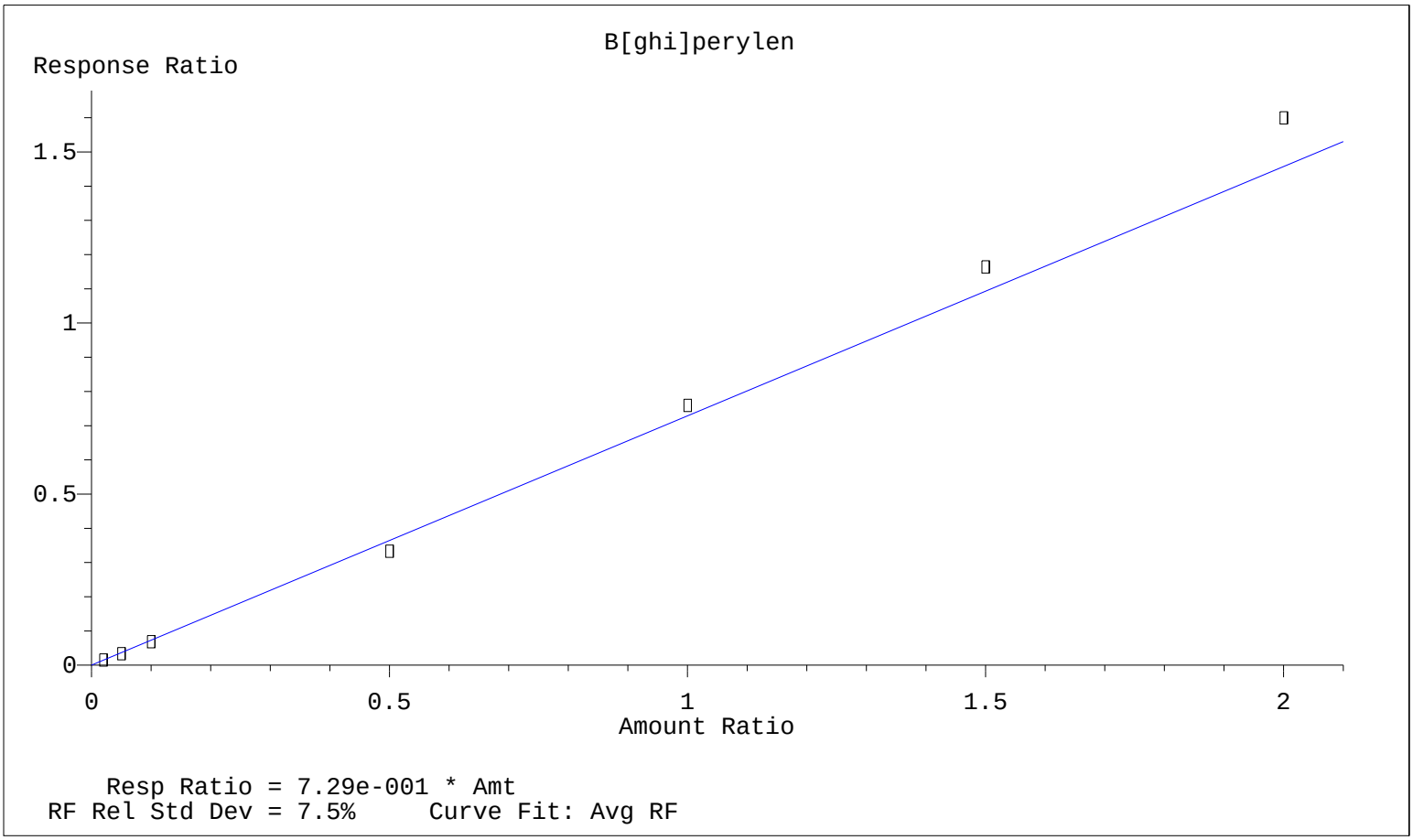
Resp Ratio = 1.02e+000 * Amt
RF Rel Std Dev = 8.1% Curve Fit: Avg RF



Resp Ratio = 7.39e-001 * Amt
RF Rel Std Dev = 15.0% Curve Fit: Avg RF



Resp Ratio = 5.30e-001 * Amt
RF Rel Std Dev = 14.4% Curve Fit: Avg RF


B[ghi]perylen
Response Ratio
1.5
1
0.5
0
0
0.5
1
1.5
2
Amount Ratio
Resp Ratio = 7.29e-001 * Amt
RF Rel Std Dev = 7.5%
Curve Fit: Avg RF

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2IB03.D Vial: 99
Acq On : 7 Aug 2013 10:16 Operator: RPN
Sample : InstrumentBlank Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 08 09:33:40 2013

RPN
08/07/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Thu Aug 08 09:30:50 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

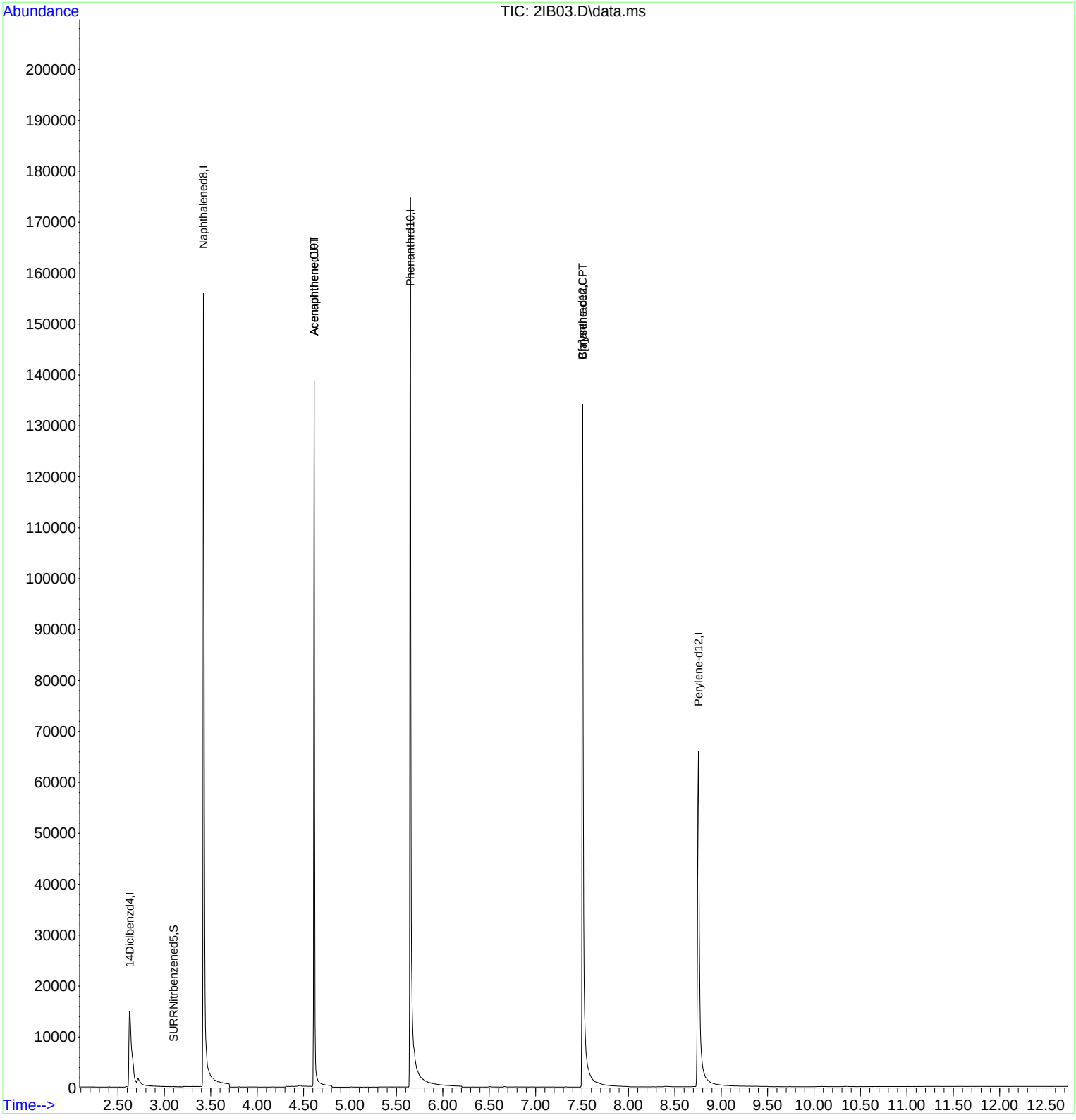
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.628	152	32706	1000.00	ng/mL	0.00
2) Naphthalened8	3.420	136	146533	1000.00	ng/mL	0.00
7) Acenaphthened10	4.615	164	89543	1000.00	ng/mL	0.00
12) Phenanthrd10	5.650	188	156553	1000.00	ng/mL	0.00
16) Chrysene-d12	7.507	240	140217	1000.00	ng/mL	0.00
21) Perylene-d12	8.754	264	100588	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	3.099	82	386	0.94	%REC	0.13
Spiked Amount 100.000			Recovery =	0.94%		
8) SURR2Flbiphenyl	0.000	172	0	0.00	%REC	
Spiked Amount 100.000			Recovery =	0.00%		
18) SURRTerphenyl-d14	0.000	244	0	0.00	ng/mL	
Spiked Amount 100.000			Recovery =	0.00%		
Target Compounds						Qvalue
10) Acenaphthene	4.615	154	353	4.0529	ng/mL#	1
19) B[a]anthracen	7.507	228	382	3.4581	ng/mL	62

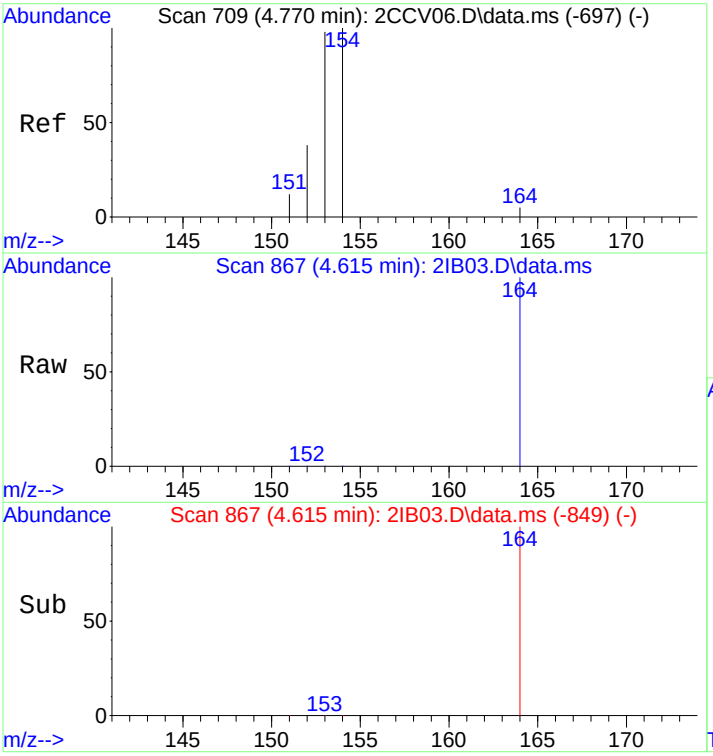
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2IB03.D Vial: 99
Acq On : 7 Aug 2013 10:16 Operator: RPN
Sample : InstrumentBlank Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 08 09:33:40 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Thu Aug 08 09:30:50 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

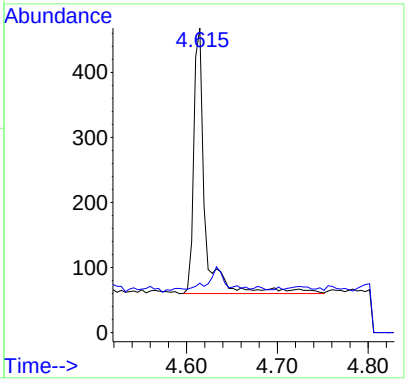


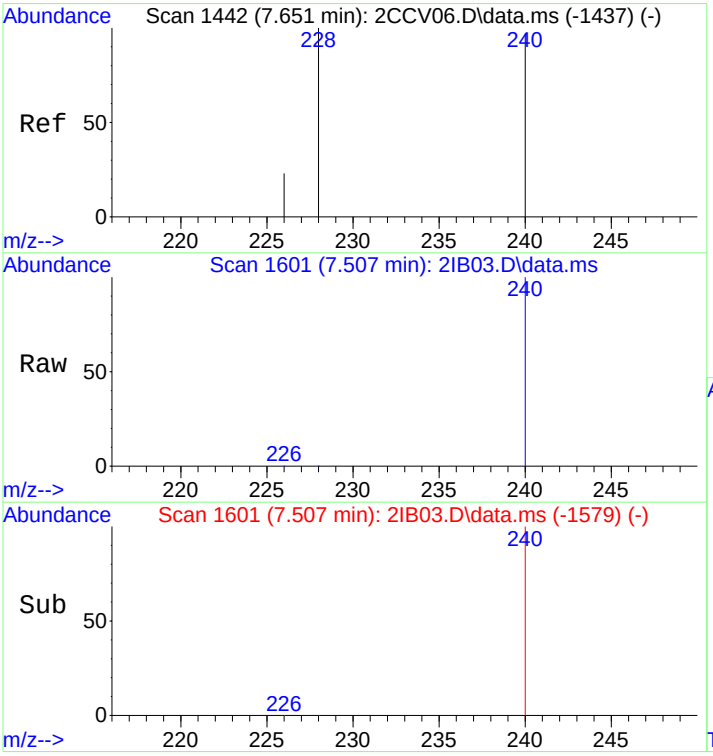


#10
Acenaphthene
Concen: 4.05 ng/mL
RT: 4.615 min Scan# 867
Delta R.T. -0.018 min
Lab File: 2IB03.D
Acq: 7 Aug 13 10:16 am

Tgt Ion:154 Resp: 353

Ion	Ratio	Lower	Upper
154	100		
153	2.7	84.6	144.6#

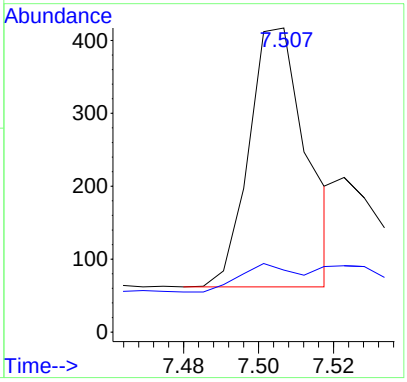




#19
B[a]anthracen
Concen: 3.46 ng/mL
RT: 7.507 min Scan# 1601
Delta R.T. 0.016 min
Lab File: 2IB03.D
Acq: 7 Aug 13 10:16 am

Tgt Ion:228 Resp: 382

Ion	Ratio	Lower	Upper
228	100		
226	8.5	0.0	58.4



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICAL1.D Vial: 8
Acq On : 7 Aug 2013 12:35 Operator: RPN
Sample : ICAL 20 ng/mL SVMS5714 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 13:08:22 2013

RPN
08/07/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:08:15 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

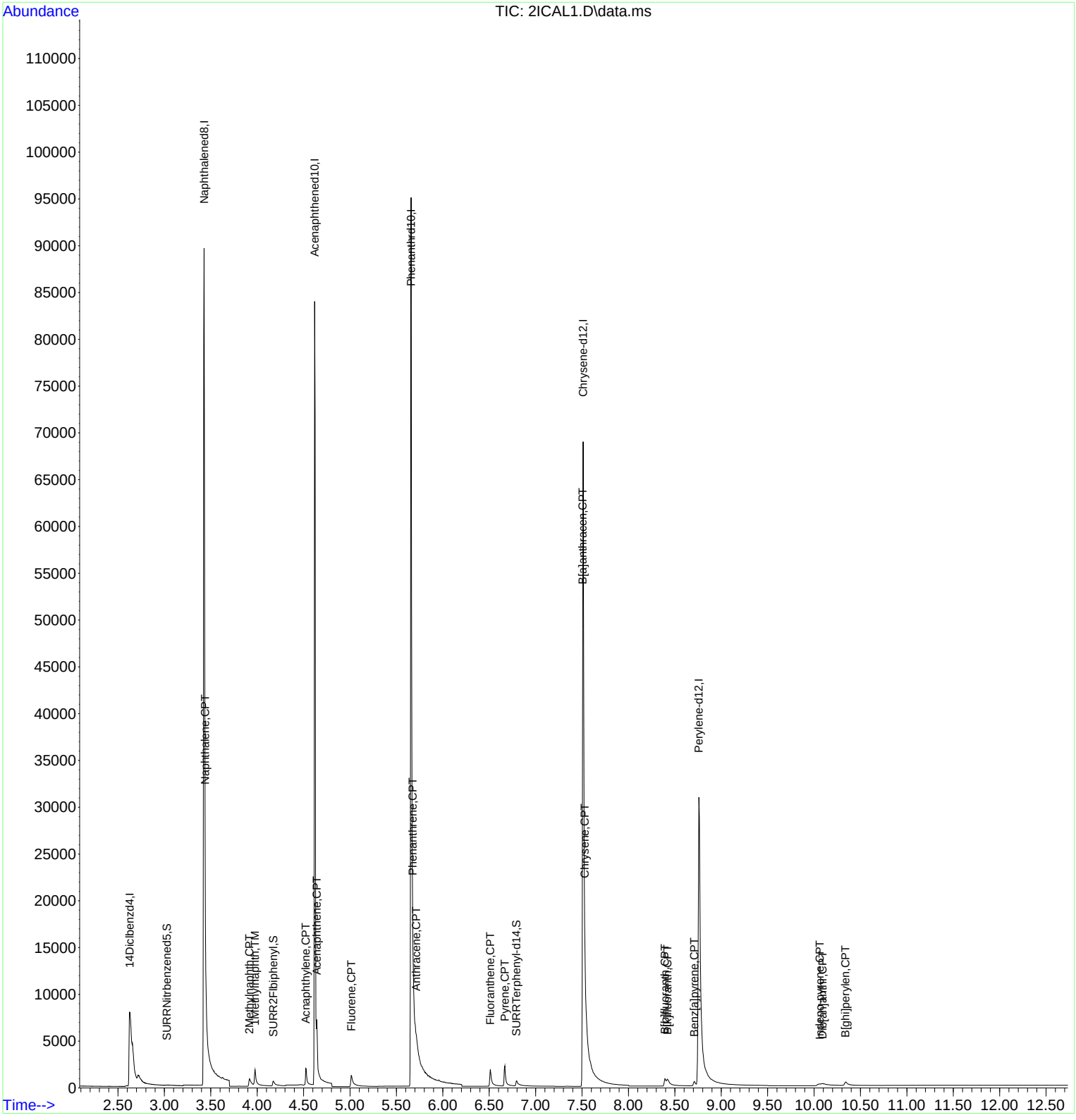
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.626	152	24709	1000.00	ng/mL	0.00
2) Naphthalened8	3.428	136	95256	1000.00	ng/mL	0.00
7) Acenaphthened10	4.619	164	60716	1000.00	ng/mL	0.00
12) Phenanthrd10	5.658	188	99773	1000.00	ng/mL	0.00
16) Chrysene-d12	7.512	240	87452	1000.00	ng/mL	0.00
21) Perylene-d12	8.759	264	56560	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	3.027	82	443	1.62	%REC	0.04
Spiked Amount 100.000			Recovery = 1.62%			
8) SURR2Flbiphenyl	4.175	172	1701	2.54	%REC	0.01
Spiked Amount 100.000			Recovery = 2.54%			
18) SURRTerphenyl-d14	6.792	244	1222	2.11	ng/mL	0.00
Spiked Amount 100.000			Recovery = 2.11%			
Target Compounds						Qvalue
4) Naphthalene	3.439	128	1765	21.2098	ng/mL	98
5) 2Methylnaphth	3.918	142	779	15.2500	ng/mL	100
6) 1Methylnaphth	3.977	142	1454	23.2752	ng/mL	91
9) Acnaphthylene	4.523	152	1488	18.7960	ng/mL	94
10) Acenaphthene	4.642	154	1234	21.0514	ng/mL	100
11) Fluorene	5.016	166	1305	20.1402	ng/mL	83
13) Phenanthrene	5.675	178	1923	23.1383	ng/mL	98
14) Anthracene	5.715	178	2181	22.4408	ng/mL	99
15) Fluoranthene	6.512	202	2501	22.6550	ng/mL	98
17) Pyrene	6.668	202	2447	22.2622	ng/mL	100
19) B[a]anthracen	7.507	228	1361	19.7139	ng/mL	86
20) Chrysene	7.528	228	2502	24.2311	ng/mL	98
22) B[b]fluoranth	8.393	252	881	15.8958	ng/mL	98
23) B[k]fluoranth	8.420	252	1345	16.9609	ng/mL	100
24) Benz[a]pyrene	8.711	252	1307	23.1322	ng/mL	98
25) Indeno-pyrene	10.063	276	760	17.9227	ng/mL	99
26) Dib[ah]anthr	10.093	278	547	18.0023	ng/mL	82
27) B[ghi]perylen	10.339	276	844	20.5610	ng/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICAL1.D Vial: 8
Acq On : 7 Aug 2013 12:35 Operator: RPN
Sample : ICAL 20 ng/mL SVMS5714 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 13:08:22 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:08:15 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICAL2.D Vial: 7
Acq On : 7 Aug 2013 12:15 Operator: RPN
Sample : ICAL 50 ng/mL SVMS5715 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 13:07:58 2013

RPN
08/07/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:07:13 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

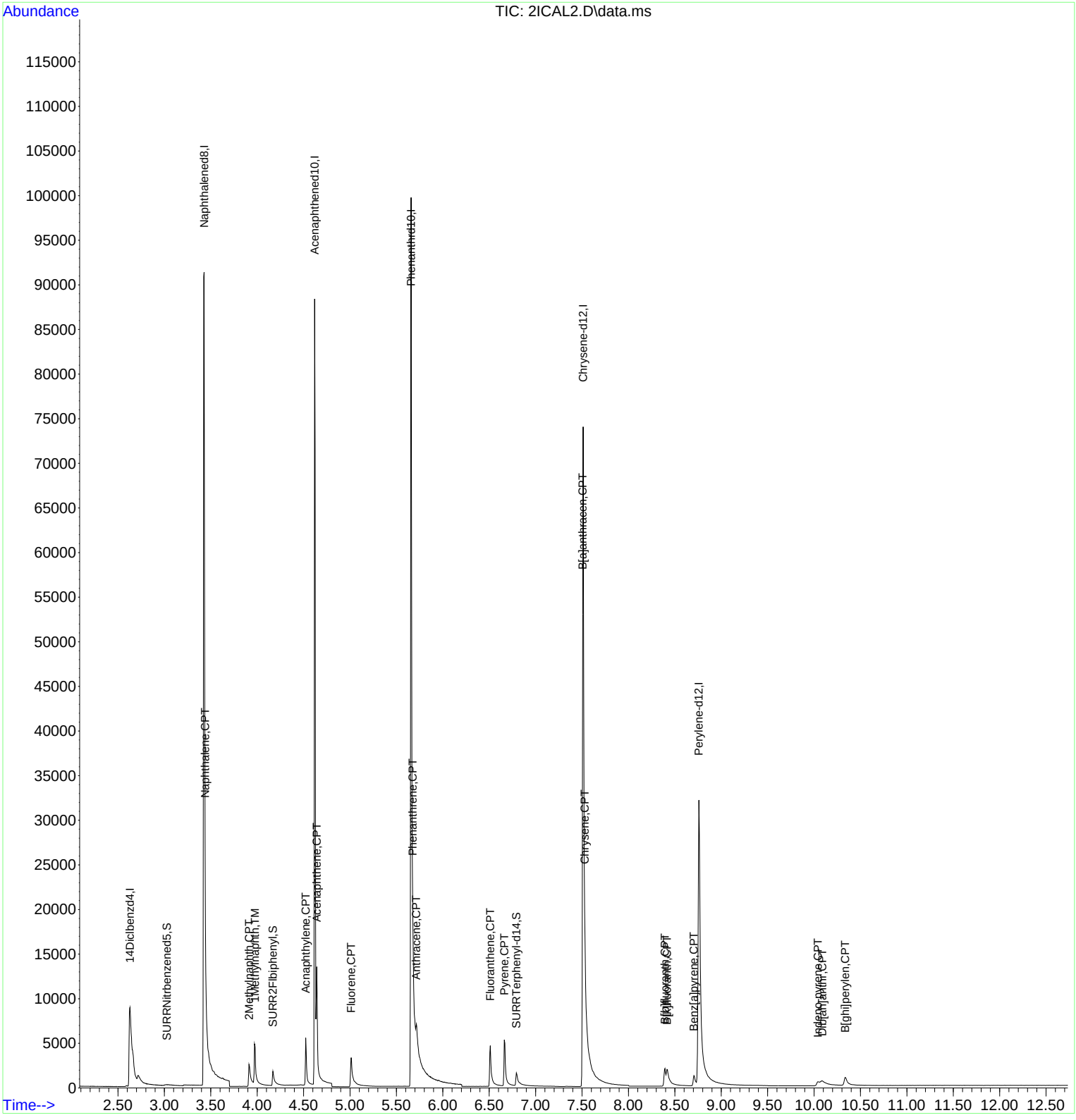
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.630	152	20962	1000.00	ng/mL	0.00
2) Naphthalened8	3.428	136	97958	1000.00	ng/mL	0.00
7) Acenaphthened10	4.619	164	61537	1000.00	ng/mL	0.00
12) Phenanthrd10	5.658	188	101391	1000.00	ng/mL	0.00
16) Chrysene-d12	7.512	240	88232	1000.00	ng/mL	0.00
21) Perylene-d12	8.759	264	57732	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	3.027	82	1294	4.53	%REC	0.04
Spiked Amount 100.000			Recovery = 4.53%			
8) SURR2Flbiphenyl	4.170	172	3511	5.21	%REC	0.00
Spiked Amount 100.000			Recovery = 5.21%			
18) SURRTerphenyl-d14	6.792	244	2950	5.06	ng/mL	0.00
Spiked Amount 100.000			Recovery = 5.06%			
Target Compounds						Qvalue
4) Naphthalene	3.439	128	4353	51.0436	ng/mL	99
5) 2Methylnaphth	3.912	142	2175	40.0278	ng/mL	97
6) 1Methylnaphth	3.977	142	3390	53.3603	ng/mL	99
9) Acnaphthylene	4.523	152	3643	44.5836	ng/mL	97
10) Acenaphthene	4.642	154	3016	50.9208	ng/mL	97
11) Fluorene	5.012	166	3094	46.5752	ng/mL	81
13) Phenanthrene	5.675	178	4336	51.6167	ng/mL	97
14) Anthracene	5.715	178	5032	51.1432	ng/mL	99
15) Fluoranthene	6.512	202	5817	52.2387	ng/mL	99
17) Pyrene	6.663	202	5751	52.2470	ng/mL	92
19) B[a]anthracen	7.507	228	3109	43.6977	ng/mL	89
20) Chrysene	7.528	228	5813	57.1245	ng/mL	97
22) B[b]fluoranth	8.393	252	2397	41.1160	ng/mL	98
23) B[k]fluoranth	8.415	252	3765	45.8745	ng/mL	97
24) Benz[a]pyrene	8.705	252	2832	48.9300	ng/mL	99
25) Indeno-pyrene	10.041	276	1810	40.4925	ng/mL	100
26) Dib[ah]anthr	10.089	278	1306	40.8206	ng/mL	96
27) B[ghi]perylen	10.335	276	1938	45.5712	ng/mL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICAL2.D Vial: 7
Acq On : 7 Aug 2013 12:15 Operator: RPN
Sample : ICAL 50 ng/mL SVMS5715 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 13:07:58 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:07:13 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICAL3.D Vial: 6
Acq On : 7 Aug 2013 11:55 Operator: RPN
Sample : ICAL 100 ng/mL SVMS5716 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 13:06:38 2013

RPN
08/07/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:06:29 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

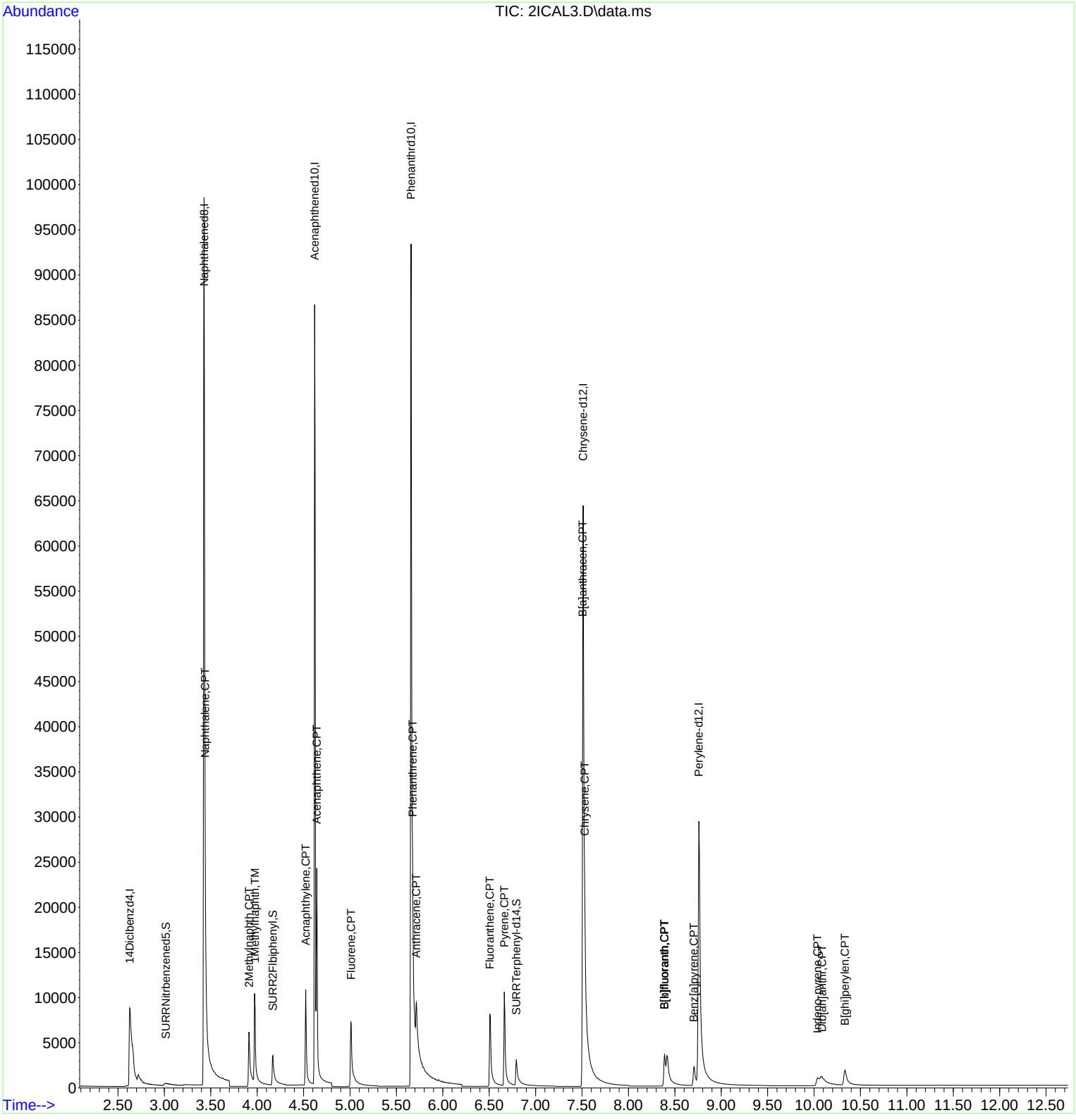
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.627	152	20853	1000.00	ng/mL	0.00
2) Naphthalened8	3.428	136	96516	1000.00	ng/mL	0.00
7) Acenaphthened10	4.619	164	60403	1000.00	ng/mL	0.00
12) Phenanthrd10	5.658	188	96995	1000.00	ng/mL	0.00
16) Chrysene-d12	7.512	240	77682	1000.00	ng/mL	0.00
21) Perylene-d12	8.759	264	50697	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	3.016	82	2322	7.91	%REC	0.03
Spiked Amount 100.000			Recovery = 7.91%			
8) SURR2Flbiphenyl	4.170	172	6434	9.66	%REC	0.00
Spiked Amount 100.000			Recovery = 9.66%			
18) SURRTerphenyl-d14	6.792	244	5146	10.02	ng/mL	0.00
Spiked Amount 100.000			Recovery = 10.02%			
Target Compounds						Qvalue
4) Naphthalene	3.439	128	8285	98.2585	ng/mL	99
5) 2Methylnaphth	3.912	142	4428	79.2813	ng/mL	98
6) 1Methylnaphth	3.976	142	6344	101.6927	ng/mL	98
9) Acnaphthylene	4.523	152	7167	87.0418	ng/mL	98
10) Acenaphthene	4.642	154	5670	96.9276	ng/mL	96
11) Fluorene	5.012	166	5883	88.0689	ng/mL	91
13) Phenanthrene	5.675	178	7784	96.1081	ng/mL	97
14) Anthracene	5.715	178	9067	95.4540	ng/mL	99
15) Fluoranthene	6.506	202	10191	94.6413	ng/mL	94
17) Pyrene	6.663	202	10065	104.8687	ng/mL	95
19) B[a]anthracen	7.507	228	5034	76.6025	ng/mL	90
20) Chrysene	7.528	228	9686	110.3493	ng/mL	96
22) B[b]fluoranth	8.388	252	4371	82.3699	ng/mL	100
23) B[k]fluoranth	8.388	252	9605	145.3627	ng/mL	99
24) Benz[a]pyrene	8.705	252	4647	89.5122	ng/mL	100
25) Indeno-pyrene	10.037	276	3216	78.3895	ng/mL	100
26) Dib[ah]anthr	10.085	278	2381	81.6354	ng/mL	94
27) B[ghi]perylen	10.332	276	3463	91.0755	ng/mL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICAL3.D Vial: 6
Acq On : 7 Aug 2013 11:55 Operator: RPN
Sample : ICAL 100 ng/mL SVMS5716 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 13:06:38 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:06:29 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Quantitation Report (Not Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICAL4.D Vial: 5
Acq On : 7 Aug 2013 11:36 Operator: RPN
Sample : ICAL 500 ng/mL SVMS5717 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 13:03:20 2013

RPN
08/07/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:03:00 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

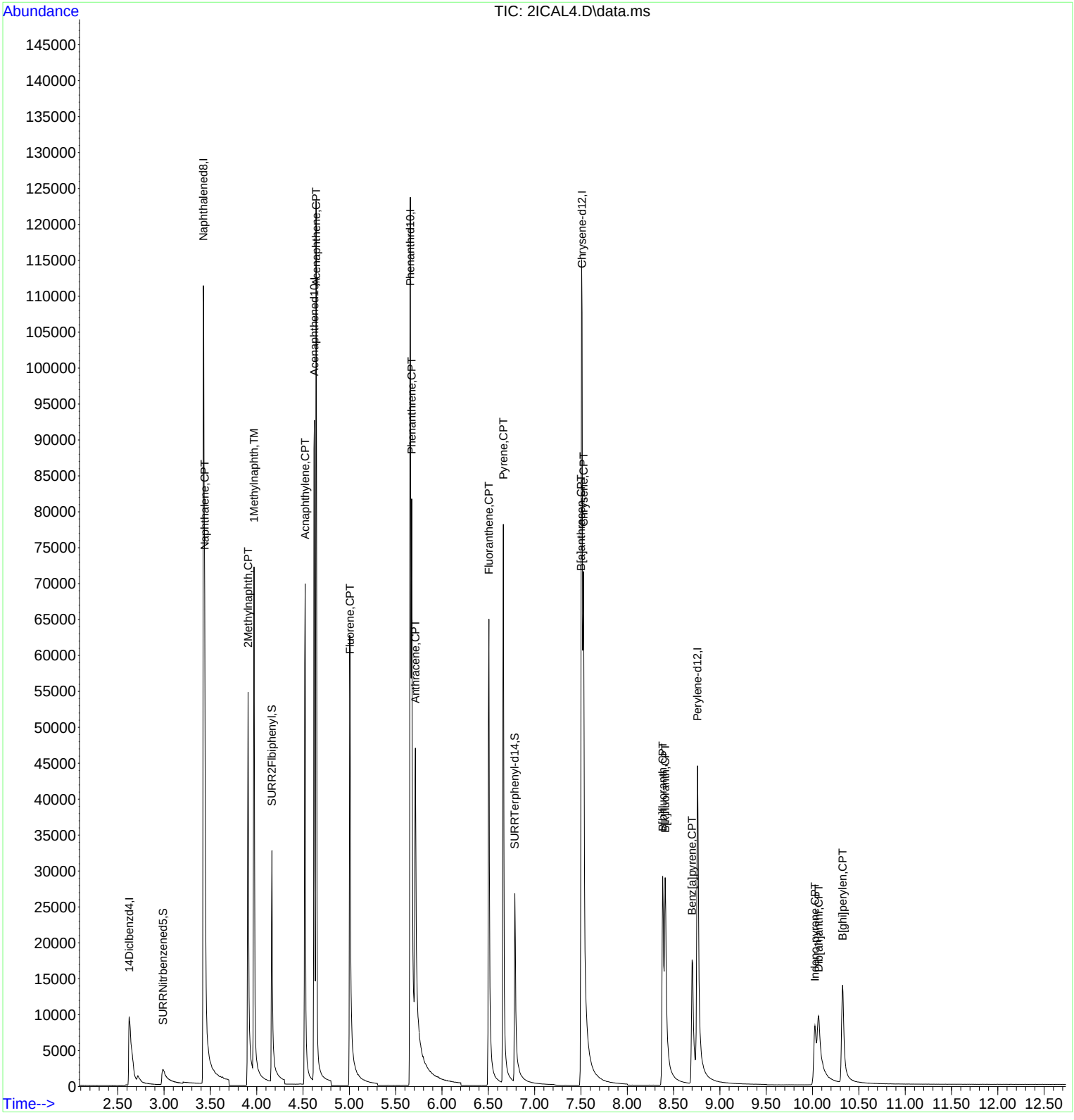
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.623	152	22623	1000.00	ng/mL	0.00
2) Naphthalened8	3.424	136	105129	1000.00	ng/mL	0.00
7) Acenaphthened10	4.623	164	66335	1000.00	ng/mL	0.00
12) Phenanthrd10	5.658	188	114860	1000.00	ng/mL	0.00
16) Chrysene-d12	7.512	240	98623	1000.00	ng/mL	0.00
21) Perylene-d12	8.759	264	67537	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.988	82	14748	50.00	%REC	0.00
Spiked Amount 100.000			Recovery = 50.00%			
8) SURR2Flbiphenyl	4.164	172	35048	50.00	%REC	0.00
Spiked Amount 100.000			Recovery = 50.00%			
18) SURRTerphenyl-d14	6.787	244	33087	50.00	ng/mL	0.00
Spiked Amount 100.000			Recovery = 50.00%			
Target Compounds						Qvalue
4) Naphthalene	3.439	128	45545	500.0000	ng/mL	100
5) 2Methylnaphth	3.907	142	28353	500.0000	ng/mL	100
6) 1Methylnaphth	3.971	142	34394	500.0000	ng/mL	100
9) Acnaphthylene	4.523	152	42216	500.0000	ng/mL	100
10) Acenaphthene	4.641	154	32016	500.0000	ng/mL	100
11) Fluorene	5.008	166	34862	500.0000	ng/mL	100
13) Phenanthrene	5.672	178	45970	500.0000	ng/mL	100
14) Anthracene	5.713	178	55079	500.0000	ng/mL	100
15) Fluoranthene	6.507	202	62339	500.0000	ng/mL	100
17) Pyrene	6.663	202	63530	500.0000	ng/mL	100
19) B[a]anthracen	7.501	228	38062	500.0000	ng/mL	100
20) Chrysene	7.528	228	56686	500.0000	ng/mL	100
22) B[b]fluoranth	8.382	252	34713	500.0000	ng/mL	100
23) B[k]fluoranth	8.409	252	41973	500.0000	ng/mL	100
24) Benz[a]pyrene	8.700	252	31660	500.0000	ng/mL	100
25) Indeno-pyrene	10.026	276	22890	500.0000	ng/mL	100
26) Dib[ah]anthr	10.067	278	16305	500.0000	ng/mL	100
27) B[ghi]perylen	10.324	276	22468	500.0000	ng/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICAL4.D Vial: 5
Acq On : 7 Aug 2013 11:36 Operator: RPN
Sample : ICAL 500 ng/mL SVMS5717 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 13:03:20 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:03:00 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICAL5.D Vial: 4
Acq On : 7 Aug 2013 11:16 Operator: RPN
Sample : ICAL 1000 ng/mL SVMS5718 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 13:06:03 2013

RPN
08/07/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:05:41 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

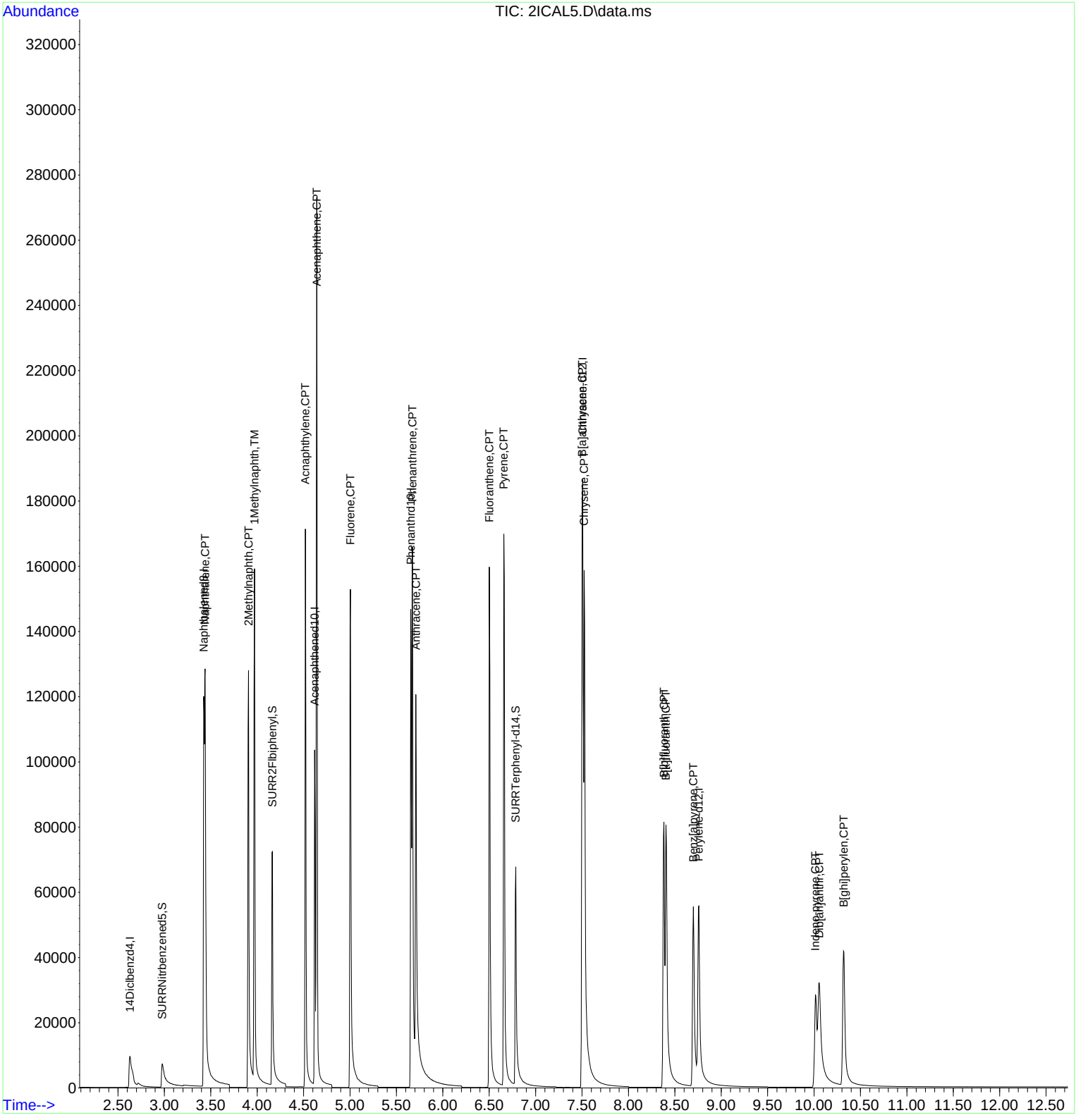
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.630	152	23133	1000.00	ng/mL	0.00
2) Naphthalened8	3.424	136	109059	1000.00	ng/mL	0.00
7) Acenaphthened10	4.619	164	67644	1000.00	ng/mL	0.00
12) Phenanthrd10	5.655	188	119891	1000.00	ng/mL	0.00
16) Chrysene-d12	7.507	240	110937	1000.00	ng/mL	0.00
21) Perylene-d12	8.759	264	81491	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.976	82	33594	101.74	%REC	-0.01
Spiked Amount 100.000			Recovery = 101.74%			
8) SURR2Flbiphenyl	4.164	172	77022	104.42	%REC	0.00
Spiked Amount 100.000			Recovery = 104.42%			
18) SURRTerphenyl-d14	6.786	244	75132	103.34	ng/mL	0.00
Spiked Amount 100.000			Recovery = 103.34%			
Target Compounds						Qvalue
4) Naphthalene	3.439	128	97489	1031.2086	ng/mL	100
5) 2Methylnaphth	3.907	142	64681	1033.4654	ng/mL	100
6) 1Methylnaphth	3.971	142	72574	1039.7858	ng/mL	99
9) Acnaphthylene	4.519	152	93805	1023.1898	ng/mL	95
10) Acenaphthene	4.642	154	67504	1041.0041	ng/mL	93
11) Fluorene	5.005	166	76656	1033.2140	ng/mL	94
13) Phenanthrene	5.672	178	103319	1043.1928	ng/mL	97
14) Anthracene	5.710	178	120820	1039.0980	ng/mL	100
15) Fluoranthene	6.501	202	138199	1051.7550	ng/mL	94
17) Pyrene	6.657	202	140947	1038.1311	ng/mL	91
19) B[a]anthracen	7.501	228	90440	952.1560	ng/mL	92
20) Chrysene	7.523	228	134090	1095.1563	ng/mL	88
22) B[b]fluoranth	8.382	252	87942	1041.7578	ng/mL	98
23) B[k]fluoranth	8.404	252	109840	1046.0748	ng/mL	99
24) Benz[a]pyrene	8.700	252	85294	1029.7078	ng/mL	98
25) Indeno-pyrene	10.015	276	66334	1007.8689	ng/mL	98
26) Dib[ah]anthr	10.056	278	45850	970.8571	ng/mL	98
27) B[ghi]perylen	10.320	276	61863	1016.2900	ng/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICAL5.D Vial: 4
Acq On : 7 Aug 2013 11:16 Operator: RPN
Sample : ICAL 1000 ng/mL SVMS5718 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 13:06:03 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:05:41 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICAL6.D Vial: 3
Acq On : 7 Aug 2013 10:56 Operator: RPN
Sample : ICAL 1500 ng/mL SVMS5719 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 13:04:38 2013

RPN
08/07/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:04:07 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

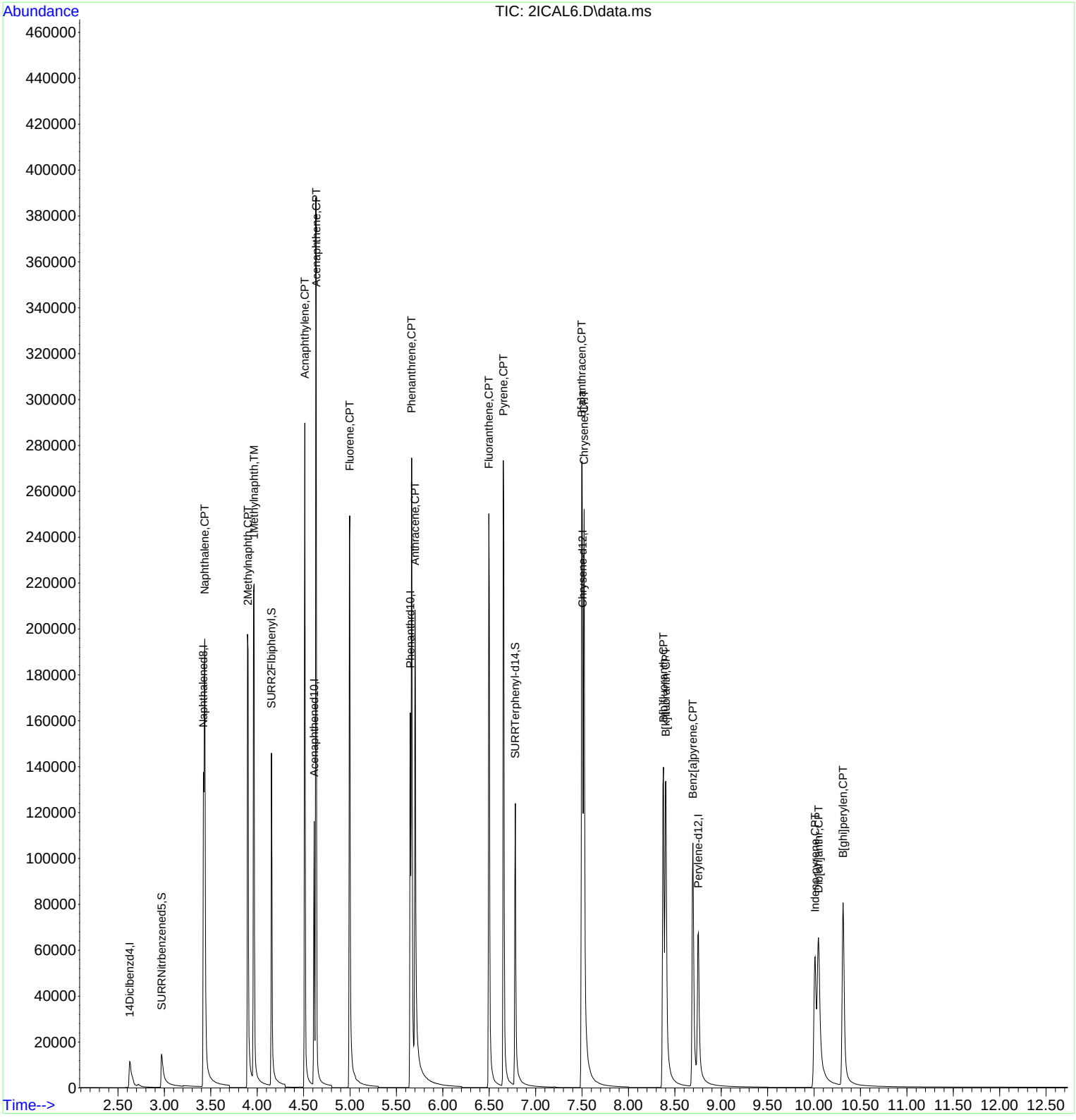
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.628	152	24313	1000.00	ng/mL	0.00
2) Naphthalened8	3.420	136	114432	1000.00	ng/mL	0.00
7) Acenaphthened10	4.614	164	71503	1000.00	ng/mL	0.00
12) Phenanthrd10	5.650	188	128725	1000.00	ng/mL	0.00
16) Chrysene-d12	7.507	240	122044	1000.00	ng/mL	0.00
21) Perylene-d12	8.754	264	95618	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.970	82	52298	151.42	%REC	-0.02
Spiked Amount 100.000			Recovery = 151.42%			
8) SURR2Flbiphenyl	4.154	172	116288	148.71	%REC	-0.01
Spiked Amount 100.000			Recovery = 148.71%			
18) SURRTerphenyl-d14	6.781	244	116476	143.53	ng/mL	0.00
Spiked Amount 100.000			Recovery = 143.53%			
Target Compounds						Qvalue
4) Naphthalene	3.435	128	146056	1458.9700	ng/mL	100
5) 2Methylnaphth	3.901	142	99321	1518.7176	ng/mL	99
6) 1Methylnaphth	3.966	142	107457	1451.4425	ng/mL	99
9) Acnaphthylene	4.514	152	146099	1511.4097	ng/mL	98
10) Acenaphthene	4.637	154	100918	1458.8315	ng/mL	84
11) Fluorene	4.997	166	117516	1497.6963	ng/mL	96
13) Phenanthrene	5.664	178	159547	1500.5465	ng/mL	99
14) Anthracene	5.701	178	185597	1480.0819	ng/mL	99
15) Fluoranthene	6.496	202	209954	1482.3500	ng/mL	93
17) Pyrene	6.652	202	214972	1410.6933	ng/mL	92
19) B[a]anthracen	7.496	228	163302	1596.1895	ng/mL	98
20) Chrysene	7.523	228	194010	1412.2492	ng/mL	98
22) B[b]fluoranth	8.377	252	148428	1497.7485	ng/mL	98
23) B[k]fluoranth	8.404	252	182549	1472.6728	ng/mL	98
24) Benz[a]pyrene	8.695	252	148343	1539.7596	ng/mL	98
25) Indeno-pyrene	10.011	276	122860	1640.6426	ng/mL	100
26) Dib[ah]anthr	10.048	278	87917	1633.7111	ng/mL	99
27) B[ghi]perylen	10.313	276	111277	1588.6851	ng/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICAL6.D Vial: 3
Acq On : 7 Aug 2013 10:56 Operator: RPN
Sample : ICAL 1500 ng/mL SVMS5719 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 13:04:38 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:04:07 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICAL7.D Vial: 2
Acq On : 7 Aug 2013 10:36 Operator: RPN
Sample : ICAL 2000 ng/mL SVMS5720 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 08 09:24:41 2013

RPN
08/07/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:09:11 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

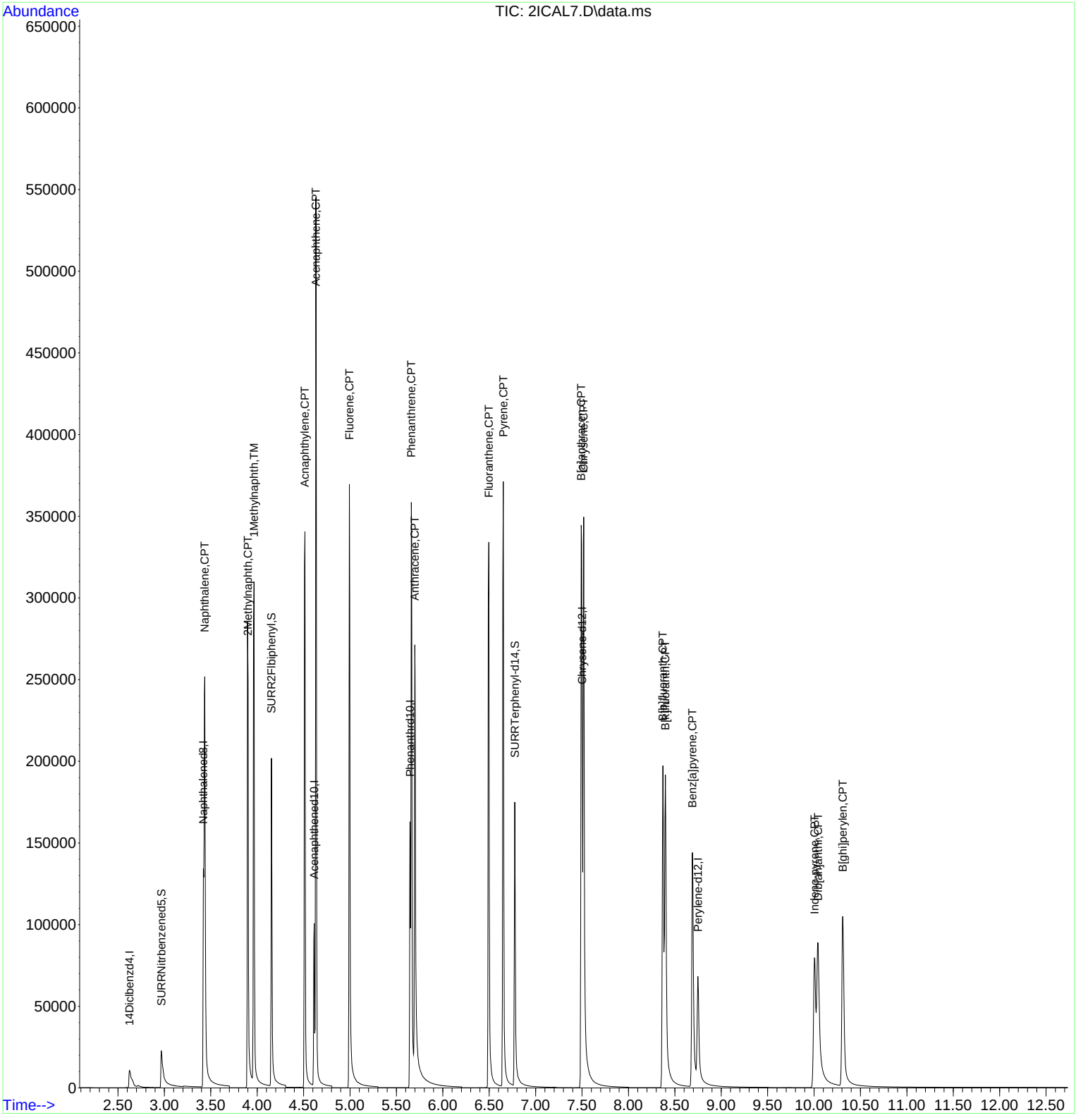
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.624	152	23450	1000.00	ng/mL	0.00
2) Naphthalened8	3.420	136	109554	1000.00	ng/mL	0.00
7) Acenaphthened10	4.615	164	67827	1000.00	ng/mL	0.00
12) Phenanthrd10	5.647	188	123620	1000.00	ng/mL	-0.01
16) Chrysene-d12	7.501	240	116665	1000.00	ng/mL	-0.01
21) Perylene-d12	8.748	264	90079	1000.00	ng/mL	-0.01
System Monitoring Compounds						
3) SURRNitrbenzened5	2.968	82	70791	231.52	%REC	-0.02
Spiked Amount 100.000			Recovery = 231.52%			
8) SURR2Flbiphenyl	4.154	172	153359	197.42	%REC	-0.01
Spiked Amount 100.000			Recovery = 197.42%			
18) SURRTerphenyl-d14	6.776	244	153731	197.38	ng/mL	-0.01
Spiked Amount 100.000			Recovery = 197.38%			
Target Compounds						Qvalue
4) Naphthalene	3.435	128	193518	2004.6593	ng/mL	99
5) 2Methylnaphth	3.901	142	132255	2330.2277	ng/mL	100
6) 1Methylnaphth	3.966	142	140148	1906.0599	ng/mL	100
9) Acnaphthylene	4.514	152	194116	2213.9877	ng/mL	99
10) Acenaphthene	4.633	154	131539	1993.7536	ng/mL	97
11) Fluorene	4.994	166	155138	2141.1059	ng/mL	71
13) Phenanthrene	5.661	178	210533	1999.7218	ng/mL	99
14) Anthracene	5.698	178	244575	1996.2358	ng/mL	98
15) Fluoranthene	6.496	202	275702	1978.1355	ng/mL	98
17) Pyrene	6.652	202	282076	1893.0732	ng/mL	98
19) B[a]anthracen	7.491	228	211093	2296.7092	ng/mL	100
20) Chrysene	7.518	228	257063	1811.4365	ng/mL	97
22) B[b]fluoranth	8.372	252	188243	2197.0107	ng/mL	99
23) B[k]fluoranth	8.399	252	243178	1968.1963	ng/mL	99
24) Benz[a]pyrene	8.689	252	194134	2110.1767	ng/mL	99
25) Indeno-pyrene	10.007	276	160069	2405.8845	ng/mL	100
26) Dib[ah]anthr	10.044	278	115799	2427.5720	ng/mL	100
27) B[ghi]perylen	10.309	276	144075	2195.0292	ng/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICAL7.D Vial: 2
Acq On : 7 Aug 2013 10:36 Operator: RPN
Sample : ICAL 2000 ng/mL SVMS5720 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 08 09:24:41 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:09:11 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Data File Name 2ICV1.D
Data File Path C:\INSTARCH\DATA\2S080713\
Operator RPN
Date Acquired 8/7/2013 12:55
Acq. Method File 2P080713.M
Sample Name ICV1 500 ng/mL SVMS5721
Misc Info 500uL+5uL IS SVMS5788
Vial Number 9
Instrument Name SVMS2

#	Name	Ret Time	Amount	Units	Area	80-120 %REC
1)	14Diclbenzd4	2.63	1000.00	ng/mL	22159	ISTD
2)	Naphthalened8	3.42	1000.00	ng/mL	104114	ISTD
3)	SURRNitrbenzened5	2.99	48.75	%REC	14166	98
4)	Naphthalene	3.44	486.62	ng/mL	44643	97
5)	2Methylnaphth	3.90	489.28	ng/mL	26391	98
6)	1Methylnaphth	3.97	472.72	ng/mL	33032	95
7)	Acenaphthened10	4.61	1000.00	ng/mL	65284	ISTD
8)	SURR2Flbiphenyl	4.16	46.59	%REC	34834	93
9)	Acnaphthylene	4.51	482.32	ng/mL	40703	96
10)	Acenaphthene	4.64	484.08	ng/mL	30740	97
11)	Fluorene	5.00	474.92	ng/mL	33121	95
12)	Phenanthrd10	5.65	1000.00	ng/mL	111737	ISTD
13)	Phenanthrene	5.67	460.77	ng/mL	43847	92
14)	Anthracene	5.70	469.26	ng/mL	51966	94
15)	Fluoranthene	6.50	467.16	ng/mL	58852	93
16)	Chrysene-d12	7.51	1000.00	ng/mL	102067	ISTD
17)	Pyrene	6.66	482.88	ng/mL	62948	97
18)	SURRTerphenyl-d14	6.78	49.00	% REC	33386	98
19)	B[a]anthracen	7.50	406.68	ng/mL	32701	81
20)	Chrysene	7.52	481.67	ng/mL	59801	96
21)	Perylene-d12	8.75	1000.00	ng/mL	72496	ISTD
22)	B[b]fluoranth	8.38	478.56	ng/mL	33000	96
23)	B[k]fluoranth	8.40	434.78	ng/mL	43233	87
24)	Benz[a]pyrene	8.69	446.08	ng/mL	33028	89
25)	Indeno-pyrene	10.02	420.09	ng/mL	22494	84
26)	Dib[ah]anthr	10.06	435.03	ng/mL	16701	87
27)	B[ghi]perylen	10.32	445.47	ng/mL	23532	89

* = %REC <80% OR > 120%

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICV1.D Vial: 9
Acq On : 7 Aug 2013 12:55 Operator: RPN
Sample : ICV1 500 ng/mL SVMS5721 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 13:10:16 2013

RPN
08/07/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:09:11 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.627	152	22159	1000.00	ng/mL	0.00
2) Naphthalened8	3.420	136	104114	1000.00	ng/mL	0.00
7) Acenaphthened10	4.614	164	65284	1000.00	ng/mL	0.00
12) Phenanthrd10	5.649	188	111737	1000.00	ng/mL	0.00
16) Chrysene-d12	7.507	240	102067	1000.00	ng/mL	0.00
21) Perylene-d12	8.754	264	72496	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.990	82	14166	48.75	%REC	0.00
Spiked Amount 100.000			Recovery = 48.75%			
8) SURR2Flbiphenyl	4.159	172	34834	46.59	%REC	0.00
Spiked Amount 100.000			Recovery = 46.59%			
18) SURRTerphenyl-d14	6.781	244	33386	49.00	ng/mL	0.00
Spiked Amount 100.000			Recovery = 49.00%			
Target Compounds						Qvalue
4) Naphthalene	3.435	128	44643	486.6219	ng/mL	99
5) 2Methylnaphth	3.901	142	26391	489.2842	ng/mL	100
6) 1Methylnaphth	3.966	142	33032	472.7196	ng/mL	99
9) Acnaphthylene	4.513	152	40703	482.3210	ng/mL	96
10) Acenaphthene	4.637	154	30740	484.0795	ng/mL	87
11) Fluorene	4.997	166	33121	474.9187	ng/mL	72
13) Phenanthrene	5.667	178	43847	460.7666	ng/mL	97
14) Anthracene	5.704	178	51966	469.2570	ng/mL	99
15) Fluoranthene	6.501	202	58852	467.1637	ng/mL	100
17) Pyrene	6.657	202	62948	482.8791	ng/mL	99
19) B[a]anthracen	7.501	228	32701	406.6759	ng/mL	89
20) Chrysene	7.523	228	59801	481.6674	ng/mL	97
22) B[b]fluoranth	8.377	252	33000	478.5604	ng/mL	100
23) B[k]fluoranth	8.404	252	43233	434.7795	ng/mL	99
24) Benz[a]pyrene	8.694	252	33028	446.0762	ng/mL	99
25) Indeno-pyrene	10.018	276	22494	420.0914	ng/mL	99
26) Dib[ah]anthr	10.059	278	16701	435.0301	ng/mL	100
27) B[ghi]perylen	10.320	276	23532	445.4716	ng/mL	98

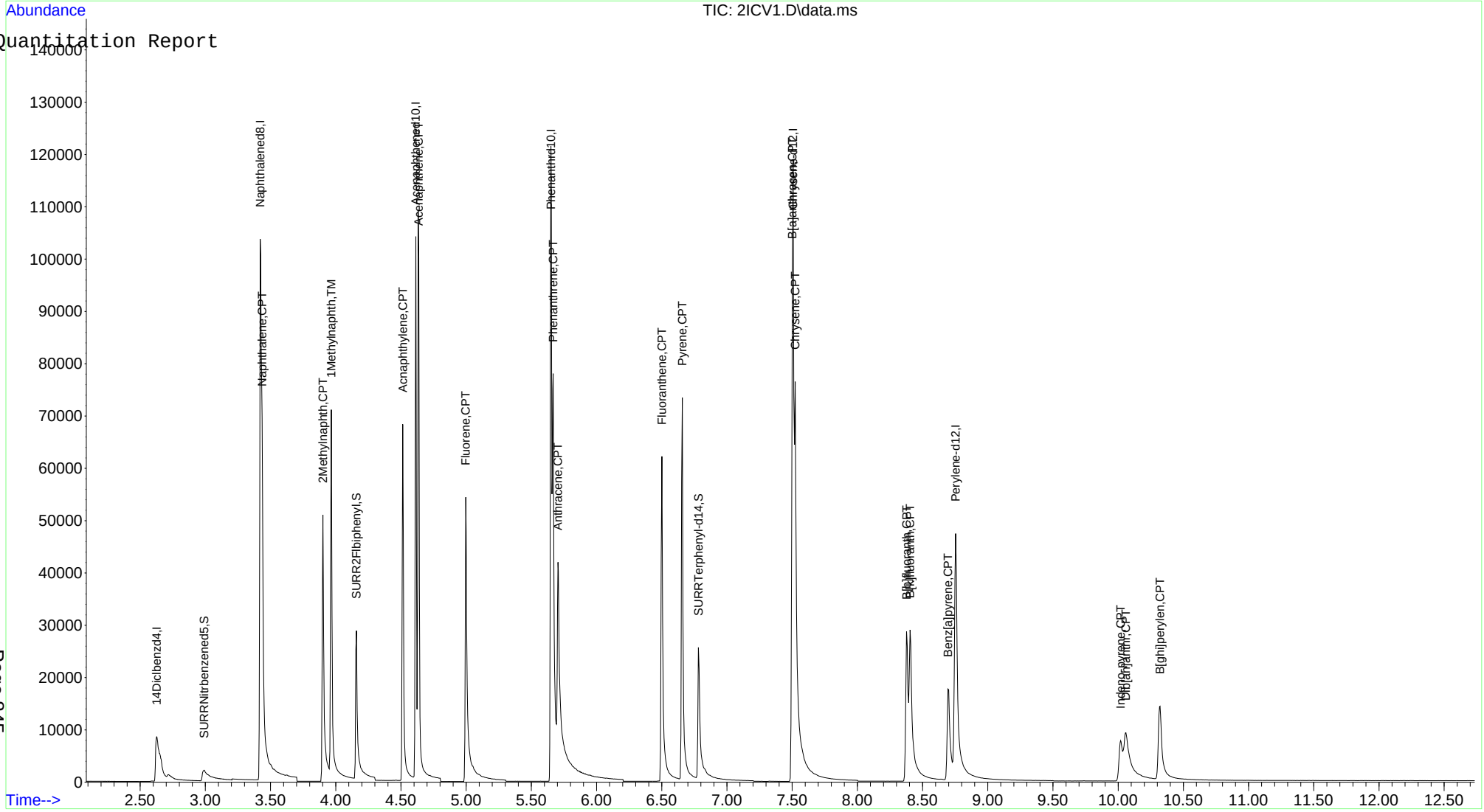
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICV1.D Vial: 9
Acq On : 7 Aug 2013 12:55 Operator: RPN
Sample : ICV1 500 ng/mL SVMS5721 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 13:10:16 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:09:11 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

Quantitation Report



Data File Name 2ICV2.D
Data File Path C:\INSTARCH\DATA\2S080713\
Operator RPN
Date Acquired 8/7/2013 13:15
Acq. Method File 2P080713.M
Sample Name ICV2 1500 ng/mL SVMS5722
Misc Info 500uL+5uL IS SVMS5788
Vial Number 10
Instrument Name SVMS2

#	Name	Ret Time	Amount	Units	Area	80-120 %REC
1)	14Diclbenzd4	2.62	1000.00	ng/mL	21652	ISTD
2)	Naphthalened8	3.42	1000.00	ng/mL	102814	ISTD
3)	SURRNitrbenzened5	2.97	158.83	%REC	45576	106
4)	Naphthalene	3.44	1455.61	ng/mL	131871	97
5)	2Methylnaphth	3.90	1595.28	ng/mL	84972	106
6)	1Methylnaphth	3.97	1382.92	ng/mL	95427	92
7)	Acenaphthened10	4.61	1000.00	ng/mL	63882	ISTD
8)	SURR2Flbiphenyl	4.15	144.58	%REC	105784	96
9)	Acnaphthylene	4.51	1531.32	ng/mL	126453	102
10)	Acenaphthene	4.63	1428.04	ng/mL	88736	95
11)	Fluorene	5.00	1464.85	ng/mL	99965	98
12)	Phenanthrd10	5.65	1000.00	ng/mL	109691	ISTD
13)	Phenanthrene	5.66	1435.86	ng/mL	134136	96
14)	Anthracene	5.70	1413.52	ng/mL	153668	94
15)	Fluoranthene	6.50	1381.42	ng/mL	170841	92
16)	Chrysene-d12	7.51	1000.00	ng/mL	98986	ISTD
17)	Pyrene	6.65	1439.86	ng/mL	182034	96
18)	SURRTerphenyl-d14	6.78	148.77	% REC	98311	99
19)	B[a]anthracen	7.50	1260.39	ng/mL	98289	84
20)	Chrysene	7.52	1451.67	ng/mL	174790	97
21)	Perylene-d12	8.75	1000.00	ng/mL	71853	ISTD
22)	B[b]fluoranth	8.38	1508.46	ng/mL	103096	101
23)	B[k]fluoranth	8.40	1398.13	ng/mL	137792	93
24)	Benz[a]pyrene	8.69	1470.52	ng/mL	107913	98
25)	Indeno-pyrene	10.01	1453.50	ng/mL	77138	97
26)	Dib[ah]anthr	10.05	1435.06	ng/mL	54604	96
27)	B[ghi]perylen	10.31	1443.59	ng/mL	75581	96

* = %REC <80% OR > 120%

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICV2.D Vial: 10
Acq On : 7 Aug 2013 13:15 Operator: RPN
Sample : ICV2 1500 ng/mL SVMS5722 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 07 13:27:48 2013

RPN
08/07/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:09:11 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.624	152	21652	1000.00	ng/mL	0.00
2) Naphthalened8	3.424	136	102814	1000.00	ng/mL	0.00
7) Acenaphthened10	4.615	164	63882	1000.00	ng/mL	0.00
12) Phenanthrd10	5.650	188	109691	1000.00	ng/mL	0.00
16) Chrysene-d12	7.507	240	98986	1000.00	ng/mL	0.00
21) Perylene-d12	8.754	264	71853	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.974	82	45576	158.83	%REC	-0.01
Spiked Amount 100.000			Recovery = 158.83%			
8) SURR2Flbiphenyl	4.154	172	105784	144.58	%REC	-0.01
Spiked Amount 100.000			Recovery = 144.58%			
18) SURRTerphenyl-d14	6.781	244	98311	148.77	ng/mL	0.00
Spiked Amount 100.000			Recovery = 148.77%			
Target Compounds						Qvalue
4) Naphthalene	3.435	128	131871	1455.6082	ng/mL	99
5) 2Methylnaphth	3.901	142	84972	1595.2843	ng/mL	100
6) 1Methylnaphth	3.966	142	95427	1382.9195	ng/mL	100
9) Acnaphthylene	4.514	152	126453	1531.3241	ng/mL	100
10) Acenaphthene	4.633	154	88736	1428.0417	ng/mL	93
11) Fluorene	4.998	166	99965	1464.8462	ng/mL	96
13) Phenanthrene	5.664	178	134136	1435.8613	ng/mL	100
14) Anthracene	5.701	178	153668	1413.5168	ng/mL	98
15) Fluoranthene	6.496	202	170841	1381.4208	ng/mL	95
17) Pyrene	6.652	202	182034	1439.8610	ng/mL	93
19) B[a]anthracen	7.496	228	98289	1260.3870	ng/mL	95
20) Chrysene	7.523	228	174790	1451.6668	ng/mL	99
22) B[b]fluoranth	8.377	252	103096	1508.4600	ng/mL	98
23) B[k]fluoranth	8.404	252	137792	1398.1275	ng/mL	98
24) Benz[a]pyrene	8.695	252	107913	1470.5156	ng/mL	98
25) Indeno-pyrene	10.011	276	77138	1453.4984	ng/mL	100
26) Dib[ah]anthr	10.048	278	54604	1435.0612	ng/mL	98
27) B[ghi]perylen	10.313	276	75581	1443.5870	ng/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

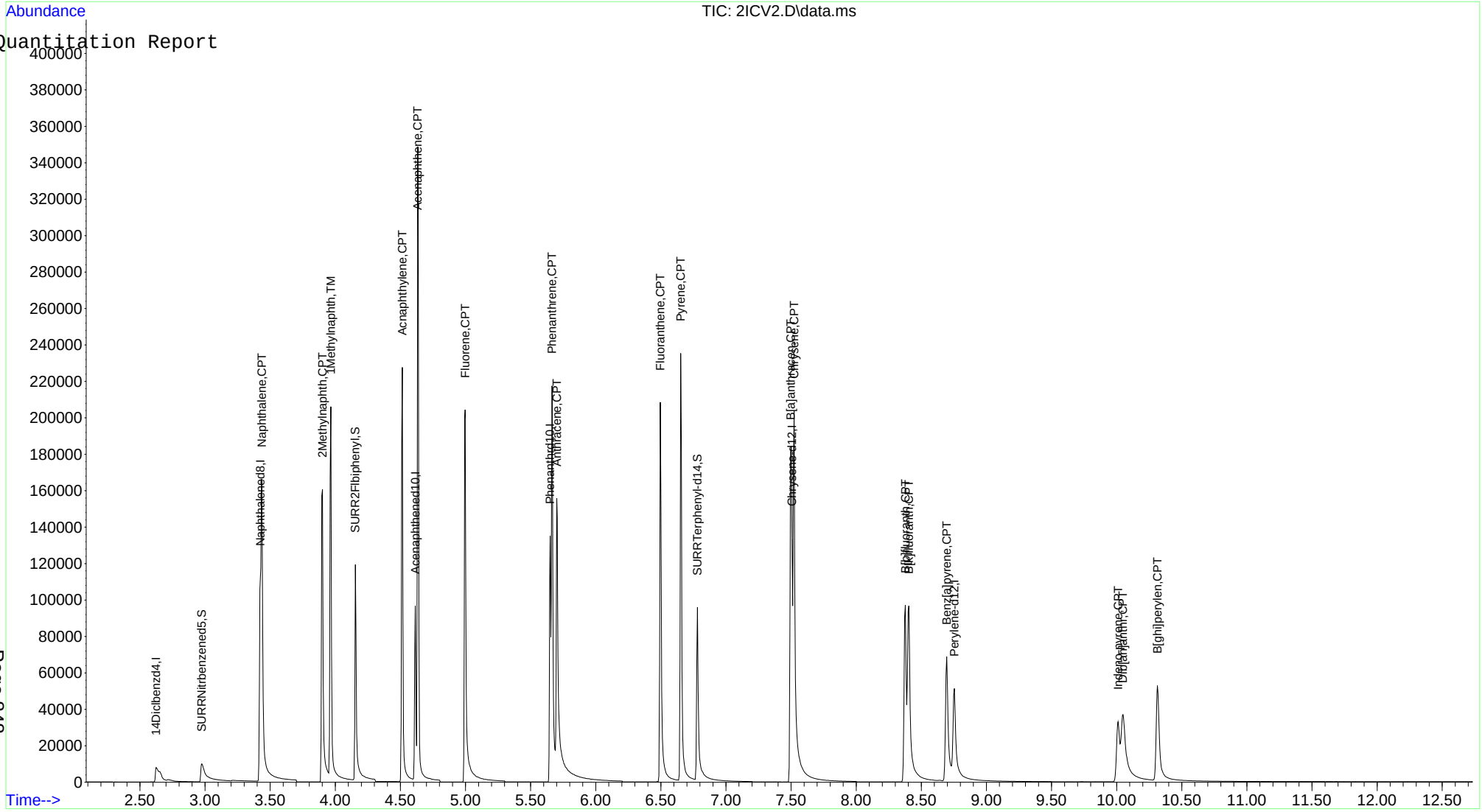
(QT Reviewed)

Data File : C:\INSTARCH\DATA\2S080713\2ICV2.D
Acq On : 7 Aug 2013 13:15
Sample : ICV2 1500 ng/mL SVMS5722
Misc : 500uL+5uL IS SVMS5788
Integrator: RTE
Quant Time: Aug 07 13:27:48 2013

Vial: 10
Operator: RPN
Inst : SVMS2
Multiplr: 1.00

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Wed Aug 07 13:09:11 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

Quantitation Report

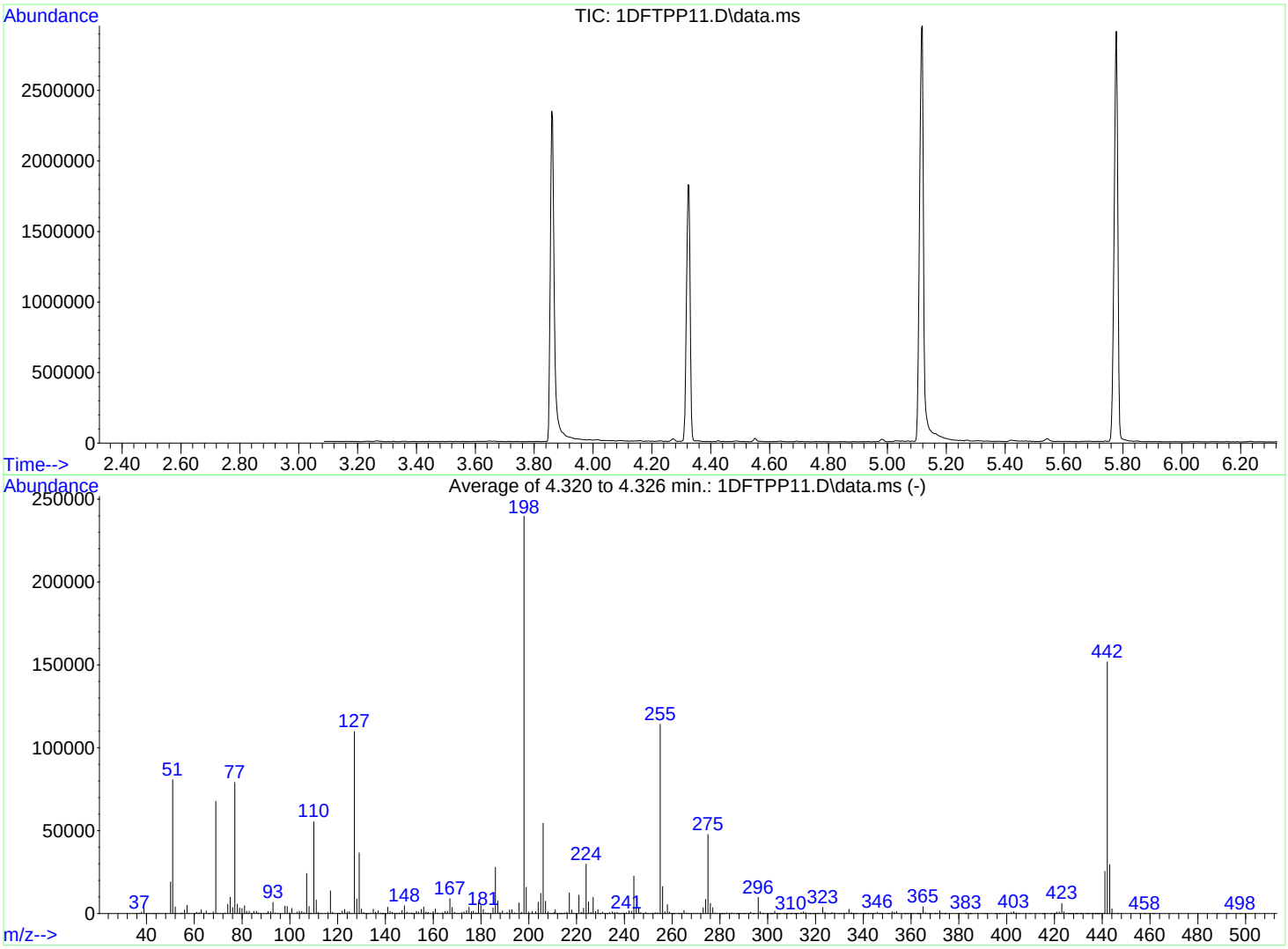


SEMI - VOLATILE ORGANIC ANALYSIS
CONTINUING CALIBRATION
DOCUMENTS

Data File : C:\INSTARCH\Data\1S082213\1DFTPP11.D Vial: 1
Acq On : 22 Aug 2013 12:42 Operator: RPN
Sample : DFTPP TUNE SVMS5691 Inst : SVMS1
Misc : SVMS1,25 ug DFTPP Multiplr: 1.00
Integrator: RTE

RPN
08/23/13

Method : C:\INSTARCH\Methods\1DFTPP.M
Title : DFTPP TUNE Method
Last Update : Mon Aug 19 17:25:37 2013



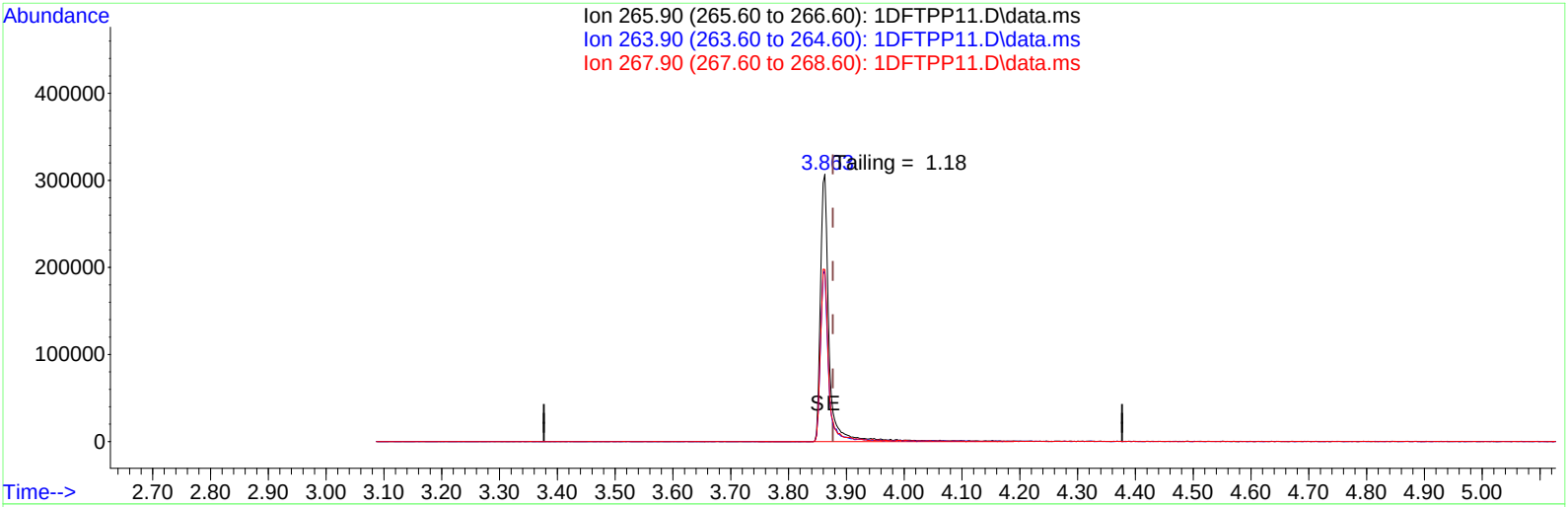
AutoFind: Scans 435, 436, 437; Background Corrected with Scan 427

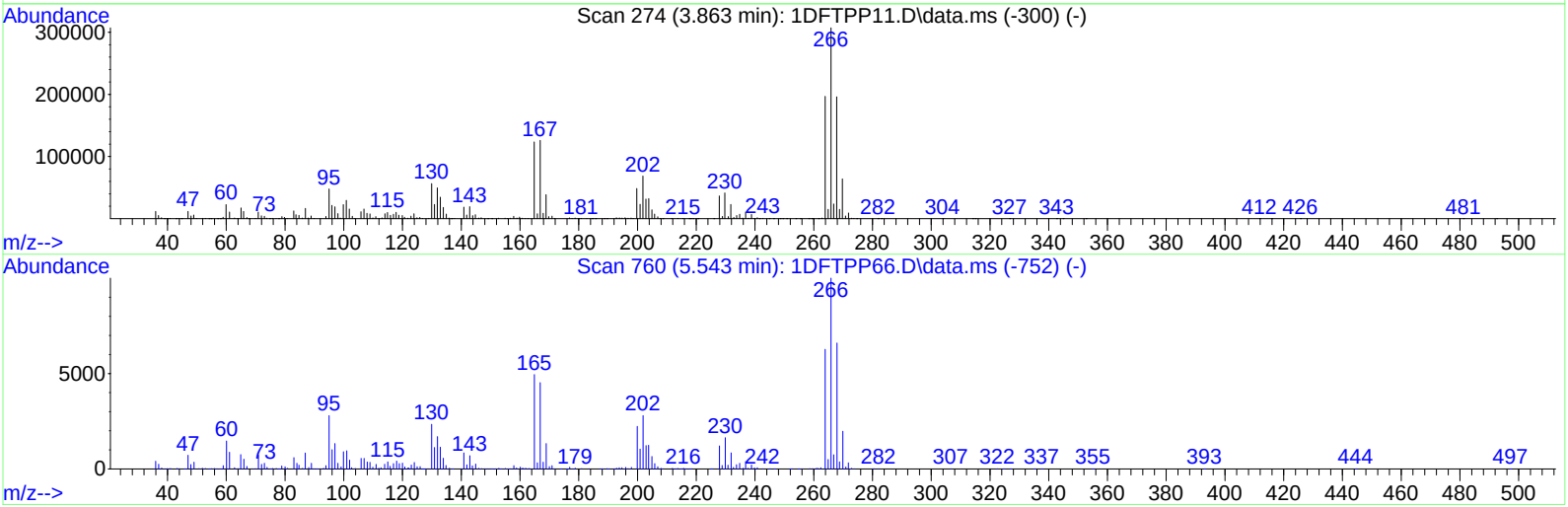
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.7	80801	PASS
68	69	0.00	2	1.6	1081	PASS
70	69	0.00	2	0.4	238	PASS
127	198	10	80	45.8	109738	PASS
197	198	0.00	2	0.3	659	PASS
198	198	50	100	100.0	239722	PASS
199	198	5	9	6.6	15909	PASS
275	198	10	60	19.9	47762	PASS
365	198	1	100	1.8	4215	PASS
441	442	0.01	24	16.8	25525	PASS
442	198	50	100	63.4	151869	PASS
443	442	15	24	19.5	29565	PASS

Quantitation Report (Qedit)

Data File : C:\INSTARCH\Data\1S082213\1DFTPP11.D Vial: 1
Acq On : 22 Aug 2013 12:42 Operator: RPN
Sample : DFTPP TUNE SVMS5691 Inst : SVMS1
Misc : SVMS1,25 ug DFTPP Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 11:20:31 2013

Quant Method : C:\INSTARCH\Methods\1DFTPP.M
Quant Title : DFTPP TUNE Method
QLast Update : Mon Aug 19 17:25:37 2013
Response via : Initial Calibration
DataAcq Meth:1DFTPP.M





TIC: 1DFTPP11.D\data.ms

(1) Pentachlorophenol

3.863min (-0.014) 53.76 ng

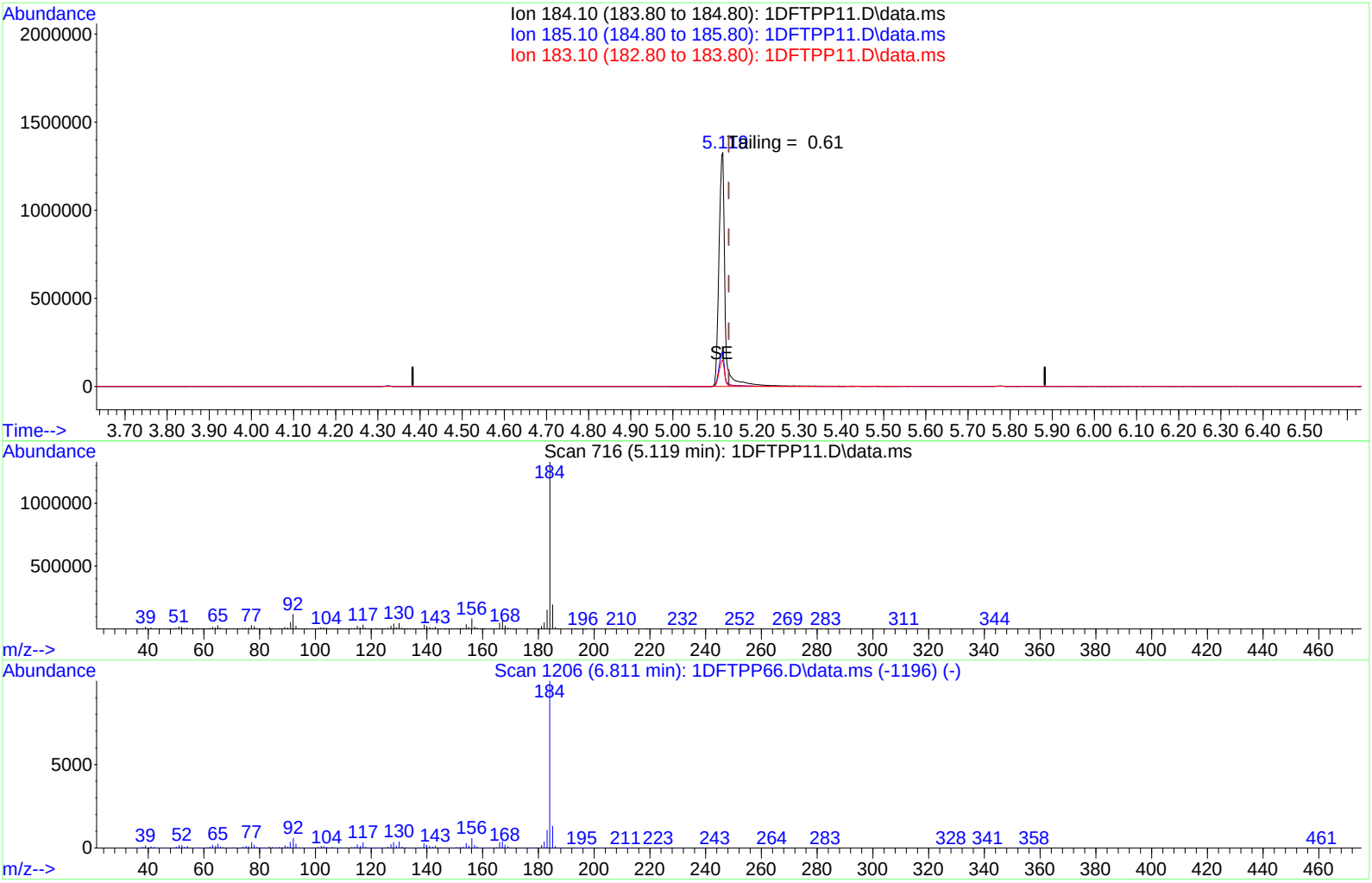
response 301931

Ion	Exp%	Act%
265.90	100	100
263.90	66.20	64.08
267.90	60.90	64.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\INSTARCH\Data\1S082213\1DFTPP11.D Vial: 1
Acq On : 22 Aug 2013 12:42 Operator: RPN
Sample : DFTPP TUNE SVMS5691 Inst : SVMS1
Misc : SVMS1,25 ug DFTPP Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 11:20:31 2013

Quant Method : C:\INSTARCH\Methods\1DFTPP.M
Quant Title : DFTPP TUNE Method
QLast Update : Mon Aug 19 17:25:37 2013
Response via : Initial Calibration
DataAcq Meth:1DFTPP.M



TIC: 1DFTPP11.D\data.ms

(3) Benzidine

5.119min (-0.014) 26.33 ng

response 1320327

Ion	Exp%	Act%
184.10	100	100
185.10	13.80	13.75
183.10	12.20	10.87
0.00	0.00	0.00

Data File	: 1DFTPP11.D	Vial Number	: 1
Data File Path	: C:\INSTARCH\Data\1S082213\	Operator	: RPN
Date Acquired	: 8/22/2013 12:42	Instrument Name:	SVMS1
Sample Name	: DFTPP TUNE SVMS5691	Sample Multiplier:	1
Misc Info	: SVMS1,25 ug DFTPP		

Quant Method	: C:\INSTARCH\Methods\1DFTPP.M
Calibration Title	: DFTPP TUNE Method
Last Update	: Mon Aug 19 17:25:37 2013

Compound	R.T.	QIon	Response
1) Pentachlorophenol	3.86	266	301931
2) DFTPP	4.32	198	223213
3) Benzidine	5.12	184	1320327
4) DDE	5.27	246	466
5) DDD	5.54	235	4616
6) DDT	5.78	235	564941

DDT %Degradation

$$\frac{DDD + DDE}{DDD + DDE + DDT} \times 100\% = 0.89\ \%$$

Evaluate Continuing Calibration Report

Data File : C:\INSTARCH\Data\1S082213\1CCV12.D Vial: 2
Acq On : 22 Aug 2013 12:57 Operator: RPN
Sample : ICAL 20ug/ml SVMS5746 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 22 13:11:41 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Thu Aug 22 13:11:36 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	14Diclbenzd4	20.000	20.000	0.0	91	0.00
2	CT	Ntrsdimeth	20.000	17.772	11.1	75	0.00
3	CT	Pyridine	20.000	18.540	7.3	81	0.00
4	S	SURR2Flphenol	50.000	48.702	2.6	79	0.00
5	CT	Aniline	20.000	19.096	4.5	82	0.00
6	CPT	bis2Clethletr	20.000	19.321	3.4	85	0.00
7	S	SURRPhenol-d5	50.000	46.510	7.0	80	0.00
8	CPT	Phenol	20.000	19.637	1.8	85	0.00
9	CPT	2-Cl-phenol	20.000	19.746	1.3	86	0.00
10	CT	13Diclbenz	20.000	18.673	6.6	83	0.00
11	CT	14Diclbenz	20.000	19.259	3.7	84	0.00
12	CT	12Diclbenz	20.000	19.526	2.4	85	0.00
13	CT	Benzyl alcoho	20.000	17.067	14.7	69	0.00
14	CPT	bis2clispreth	20.000	18.977	5.1	85	0.00
15	CPT	2Methylphenol	20.000	19.184	4.1	87	0.00
16	CT	Ntrspyrrol	20.000	19.504	2.5	80	0.00
17	CPT	Acetophenone	20.000	18.992	5.0	80	0.00
18	CPT	Hexaclethane	20.000	18.574	7.1	82	0.00
19	CPT	N-Ntrsdinprop	20.000	18.081	9.6	78	0.00
20	CPT	3&4Methylphenol	20.000	18.779	6.1	82	0.00
21	I	Naphthalened8	20.000	20.000	0.0	91	0.00
22	S	SURRNitrbenzened5	100.000	84.586	15.4	72	0.00
23	CPT	Nitrobenzene	20.000	16.628	16.9	72	0.00
24	CPT	Isophorone	20.000	17.840	10.8	78	0.00
25	CPT	2-Nitrophenol	20.000	19.190	4.0	80	0.00
26	CPT	24Dimthpheno	20.000	19.827	0.9	85	0.00
27	CPT	bis2clethoxym	20.000	18.593	7.0	78	0.00
28	CPT	24Diclphenol	20.000	19.050	4.7	80	0.00
29	CT	124Triclbenz	20.000	18.480	7.6	79	0.00
30	CT	Benzoic acid	20.000	22.324	-11.6	89	0.00
31	CPT	Naphthalene	20.000	20.778	-3.9	90	0.00
32	CPT	4-Cl-aniline	20.000	18.787	6.1	80	0.00
33	CT	26Diclphenol	20.000	18.650	6.8	80	0.00
34	CT	Hexaclprop	20.000	19.497	2.5	85	0.00
35	CPT	Hexaclbutdien	20.000	20.899	-4.5	92	0.00
36	CPT	4Cl3methylphe	20.000	16.564	17.2	69	0.00
37	CPT	2Methylnaphth	20.000	17.527	12.4	75	0.00
38	CT	1Methylnaphth	20.000	17.393	13.0	75	0.00
39	I	Acenaphthened10	20.000	20.000	0.0	89	0.00
40	CPT	Hxclcycpentdi	20.000	21.654	-8.3	82	0.00
41	CT	1245Tetrclbenz	20.000	19.174	4.1	83	0.00
42	CPT	246Triclpheno	20.000	20.000	0.0	83	0.00
43	CPT	245Triclpheno	20.000	20.253	-1.3	81	0.00
44	S	SURR2Flbiphenyl	100.000	87.253	12.7	74	0.00
45	CPT	2Clnaphthalen	20.000	19.136	4.3	80	0.00
46	CPT	2Nitroaniline	20.000	18.682	6.6	75	0.00
47	CPT	Acnaphthylene	20.000	20.641	-3.2	88	0.00
48	CPT	Dimethylphtha	20.000	17.942	10.3	77	0.00
49	CPT	26Dinitrotolu	20.000	19.126	4.4	80	0.00
50	CPT	Acenaphthene	20.000	19.935	0.3	84	0.00
51	CPT	3Nitroaniline	20.000	20.738	-3.7	83	0.00

Evaluate Continuing Calibration Report

Data File : C:\INSTARCH\Data\1S082213\1CCV12.D Vial: 2
Acq On : 22 Aug 2013 12:57 Operator: RPN
Sample : ICAL 20ug/ml SVMS5746 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 22 13:11:41 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Thu Aug 22 13:11:36 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	CPT	24Dinitphenol	20.000	19.083	4.6	84	0.00
53	CPT	Dibenzofuran	20.000	19.071	4.6	83	0.00
54	CPT	24Dinitrotolu	20.000	19.357	3.2	77	0.00
55	CPT	4-Nitrophenol	20.000	20.537	-2.7	81	0.00
56	CT	2,3,5,6-Tetrachlorop	20.000	21.551	-7.8	85	0.00
57	CPT	2,3,4,6-Tetrachlorop	20.000	18.952	5.2	77	0.00
58	CPT	Fluorene	20.000	20.413	-2.1	86	0.00
59	CPT	4Clphlphlethr	20.000	19.740	1.3	84	0.00
60	CPT	Diethylphthal	20.000	18.732	6.3	80	0.00
61	CPT	4Nitroaniline	20.000	21.456	-7.3	86	0.00
62	S	SURR246Tribrphenl	50.000	48.322	3.4	80	0.00
63	I	Phenanthrd10	20.000	20.000	0.0	93	0.00
64	CPT	46Dinit2mylph	20.000	19.501	2.5	84	0.00
65	CPT	Ntrsdiphlam&Diphlam	40.000	37.853	5.4	85	0.00
66	CT	Azobenz&12Diphlhyd	40.000	36.015	10.0	84	0.00
67	CPT	4Brphlphlethr	20.000	18.491	7.5	84	0.00
68	CPT	Hexaclbenzene	20.000	18.595	7.0	84	0.00
69	CPT	Pentaclphenol	20.000	22.386	-11.9	96	0.00
70	CPT	Phenanthrene	20.000	18.657	6.7	88	0.00
71	CPT	Anthracene	20.000	18.138	9.3	85	0.00
72	CPT	Carbazole	20.000	17.362	13.2	84	0.00
73	CPT	Dinbtylphthal	20.000	17.287	13.6	76	0.00
74	CPT	Fluoranthene	20.000	17.651	11.7	80	0.00
75	I	Chrysene-d12	20.000	20.000	0.0	94	0.00
76	CT	Benzidine	20.000	20.850	-4.3	120	0.00
77	CPT	Pyrene	20.000	20.218	-1.1	90	0.00
78	S	SURRTerphenyl-d14	100.000	98.856	1.1	88	0.00
79	CPT	Btylbzylphth	20.000	19.129	4.4	83	0.00
80	TM	bis2Ethlhxlad	20.000	17.936	10.3	77	0.00
81	CPT	33Diclbnzidin	20.000	19.327	3.4	90	0.00
82	CPT	B[a]anthracen	20.000	18.988	5.1	85	0.00
83	CPT	Chrysene	20.000	20.199	-1.0	90	0.00
84	CPT	bis2Ethlhxlph	20.000	19.998	0.0	86	0.00
85	CPT	Dinoctylphthl	20.000	19.490	2.6	81	0.00
86	I	Perylene-d12	20.000	20.000	0.0	91	0.00
87	CPT	B[b]fluoranth	20.000	18.365	8.2	81	0.00
88	CPT	B[k]fluoranth	20.000	19.114	4.4	81	0.00
89	CPT	Benz[a]pyrene	20.000	18.368	8.2	81	0.00
90	CPT	Indeno-pyrene	20.000	19.792	1.0	85	0.00
91	CPT	Dib[ah]anthr	20.000	20.770	-3.8	86	0.00
92	CPT	B[ghi]perylen	20.000	19.534	2.3	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\INSTARCH\Data\1S082213\1CCV12.D Vial: 2
Acq On : 22 Aug 2013 12:57 Operator: RPN
Sample : ICAL 20ug/ml SVMS5746 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 22 13:11:41 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Thu Aug 22 13:11:36 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	14Diclbenzd4	1.000	1.000	0.0	91	0.00
2	CT	Ntrsdimeth	0.728	0.647	11.1	75	0.00
3	CT	Pyridine	1.366	1.267	7.2	81	0.00
4	S	SURR2Flphenol	0.545	0.531	2.6	79	0.00
5	CT	Aniline	1.789	1.709	4.5	82	0.00
6	CPT	bis2Clethletr	1.210	1.169	3.4	85	0.00
7	S	SURRPhenol-d5	0.582	0.541	7.0	80	0.00
8	CPT	Phenol	1.707	1.676	1.8	85	0.00
9	CPT	2-Cl-phenol	1.455	1.436	1.3	86	0.00
10	CT	13Diclbenz	1.696	1.583	6.7	83	0.00
11	CT	14Diclbenz	1.604	1.545	3.7	84	0.00
12	CT	12Diclbenz	1.588	1.551	2.3	85	0.00
13	CT	Benzyl alcoho	0.701	0.598	14.7	69	0.00
14	CPT	bis2clispreth	2.036	1.932	5.1	85	0.00
15	CPT	2Methylphenol	0.968	0.928	4.1	87	0.00
16	CT	Ntrspyrrol	0.521	0.508	2.5	80	0.00
17	CPT	Acetophenone	1.556	1.477	5.1	80	0.00
18	CPT	Hexaclethane	0.605	0.561	7.3	82	0.00
19	CPT	N-Ntrsdinprop	0.706	0.638	9.6	78	0.00
20	CPT	3&4Methylphenol	1.167	1.096	6.1	82	0.00
21	I	Naphthalened8	1.000	1.000	0.0	91	0.00
22	S	SURRNitrbenzened5	0.058	0.049	15.5	72	0.00
23	CPT	Nitrobenzene	0.282	0.235	16.7	72	0.00
24	CPT	Isophorone	0.540	0.481	10.9	78	0.00
25	CPT	2-Nitrophenol	0.199	0.191	4.0	80	0.00
26	CPT	24Dimthpheno	0.279	0.277	0.7	85	0.00
27	CPT	bis2clethoxym	0.380	0.353	7.1	78	0.00
28	CPT	24Diclphenol	0.316	0.301	4.7	80	0.00
29	CT	124Triclbenz	0.355	0.328	7.6	79	0.00
30	CT	Benzoic acid	0.156	0.174	-11.5	89	0.00
31	CPT	Naphthalene	0.962	1.000	-4.0	90	0.00
32	CPT	4-Cl-aniline	0.406	0.382	5.9	80	0.00
33	CT	26Diclphenol	0.258	0.240	7.0	80	0.00
34	CT	Hexaclprop	0.213	0.208	2.3	85	0.00
35	CPT	Hexaclbutdien	0.189	0.197	-4.2	92	0.00
36	CPT	4Cl3methylphe	0.351	0.291	17.1	69	0.00
37	CPT	2Methylnaphth	0.976	0.855	12.4	75	0.00
38	CT	1Methylnaphth	0.865	0.752	13.1	75	0.00
39	I	Acenaphthened10	1.000	1.000	0.0	89	0.00
40	CPT	Hxclcycpentdi	0.292	0.317	-8.6	82	0.00
41	CT	1245Tetrclbenz	0.615	0.590	4.1	83	0.00
42	CPT	246Triclpheno	0.393	0.393	0.0	83	0.00
43	CPT	245Triclpheno	0.430	0.436	-1.4	81	0.00
44	S	SURR2Flbiphenyl	0.263	0.229	12.9	74	0.00
45	CPT	2Clnaphthalen	1.187	1.135	4.4	80	0.00
46	CPT	2Nitroaniline	0.234	0.219	6.4	75	0.00
47	CPT	Acnaphthylene	1.726	1.713	0.8	88	0.00
48	CPT	Dimethylphtha	1.163	1.037	10.8	77	0.00
49	CPT	26Dinitrotolu	0.292	0.279	4.5	80	0.00
50	CPT	Acenaphthene	0.956	0.940	1.7	84	0.00
51	CPT	3Nitroaniline	0.271	0.281	-3.7	83	0.00

Evaluate Continuing Calibration Report

Data File : C:\INSTARCH\Data\1S082213\1CCV12.D Vial: 2
Acq On : 22 Aug 2013 12:57 Operator: RPN
Sample : ICAL 20ug/ml SVMS5746 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 22 13:11:41 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Thu Aug 22 13:11:36 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	CPT	24Dinitphenol	0.166	0.175	-5.4	84	0.00
53	CPT	Dibenzofuran	1.528	1.457	4.6	83	0.00
54	CPT	24Dinitrotolu	0.366	0.355	3.0	77	0.00
55	CPT	4-Nitrophenol	0.208	0.214	-2.9	81	0.00
56	CT	2,3,5,6-Tetrachlorop	0.287	0.309	-7.7	85	0.00
57	CPT	2,3,4,6-Tetrachlorop	0.342	0.324	5.3	77	0.00
58	CPT	Fluorene	1.118	1.114	0.4	86	0.00
59	CPT	4Clphlphlethr	0.568	0.558	1.8	84	0.00
60	CPT	Diethylphthal	1.130	1.053	6.8	80	0.00
61	CPT	4Nitroaniline	0.269	0.289	-7.4	86	0.00
62	S	SURR246Tribrphenl	0.066	0.064	3.0	80	0.00
63	I	Phenanthrd10	1.000	1.000	0.0	93	0.00
64	CPT	46Dinit2mylph	0.137	0.134	2.2	84	0.00
65	CPT	Ntrsdiphlam&Diphlam	0.420	0.390	7.1	85	0.00
66	CT	Azobenz&12Diphlhyd	0.149	0.132	11.4	84	0.00
67	CPT	4Brphlphlethr	0.223	0.207	7.2	84	0.00
68	CPT	Hexaclbenzene	0.235	0.219	6.8	84	0.00
69	CPT	Pentaclphenol	0.148	0.166	-12.2	96	0.00
70	CPT	Phenanthrene	1.025	0.956	6.7	88	0.00
71	CPT	Anthracene	1.064	0.965	9.3	85	0.00
72	CPT	Carbazole	1.005	0.873	13.1	84	0.00
73	CPT	Dinbtylphthal	1.367	1.181	13.6	76	0.00
74	CPT	Fluoranthene	1.205	1.063	11.8	80	0.00
75	I	Chrysene-d12	1.000	1.000	0.0	94	0.00
76	CT	Benzidine	0.737	0.768	-4.2	120	0.00
77	CPT	Pyrene	2.517	2.545	-1.1	90	0.00
78	S	SURRTerphenyl-d14	0.199	0.197	1.0	88	0.00
79	CPT	Btylbzylphth	0.705	0.674	4.4	83	0.00
80	TM	bis2Ethlhxlad	0.574	0.515	10.3	77	0.00
81	CPT	33Diclbnzidin	0.304	0.294	3.3	90	0.00
82	CPT	B[a]anthracen	1.136	1.078	5.1	85	0.00
83	CPT	Chrysene	1.054	1.064	-0.9	90	0.00
84	CPT	bis2Ethlhxlph	0.940	0.939	0.1	86	0.00
85	CPT	Dinoctylphthl	1.746	1.702	2.5	81	0.00
86	I	Perylene-d12	1.000	1.000	0.0	91	0.00
87	CPT	B[b]fluoranth	1.138	1.045	8.2	81	0.00
88	CPT	B[k]fluoranth	1.050	1.003	4.5	81	0.00
89	CPT	Benz[a]pyrene	1.112	1.022	8.1	81	0.00
90	CPT	Indeno-pyrene	1.223	1.211	1.0	85	0.00
91	CPT	Dib[ah]anthr	0.909	0.944	-3.9	86	0.00
92	CPT	B[ghi]perylen	1.093	1.067	2.4	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1CCV12.D Vial: 2
Acq On : 22 Aug 2013 12:57 Operator: RPN
Sample : ICAL 20ug/ml SVMS5746 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 22 13:11:41 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Thu Aug 22 13:11:36 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	143781	20.00	ug/mL	0.00
21) Naphthalened8	4.099	136	536332	20.00	ug/mL	0.00
39) Acenaphthened10	6.282	164	414568	20.00	ug/mL	0.00
63) Phenanthrd10	7.282	188	688549	20.00	ug/mL	0.00
75) Chrysene-d12	8.720	240	279446	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	293945	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.880	112	190876	48.70	%REC	0.00
Spiked Amount 100.000	Range 20 - 110		Recovery = 48.70%			
7) SURRPhenol-d5	2.471	99	194441	46.51	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 46.51%			
22) SURRNitrbenzened5	3.270	82	131486	84.59	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 84.59%			
44) SURR2Flbiphenyl	5.699	172	475548	87.25	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 87.25%			
62) SURR246Tribrphenl	6.861	330	66292	48.32	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 48.32%			
78) SURRTerphenyl-d14	8.214	244	275486	98.86	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 98.86%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.292	74	93025	17.7715	ug/mL	100
3) Pyridine	1.292	79	182122	18.5402	ug/mL	97
5) Aniline	2.466	93	245657	19.0961	ug/mL	85
6) bis2Clethletr	2.537	93	168112	19.3211	ug/mL	92
8) Phenol	2.483	94	240962	19.6370	ug/mL	95
9) 2-Cl-phenol	2.551	128	206494	19.7460	ug/mL	97
10) 13Diclbenz	2.667	146	227624	18.6727	ug/mL	96
11) 14Diclbenz	2.735	146	222096	19.2588	ug/mL	99
12) 12Diclbenz	2.860	146	222951	19.5258	ug/mL	97
13) Benzyl alcoho	2.883	108	86010	17.0667	ug/mL	93
14) bis2clispreth	3.018	45	277803	18.9770	ug/mL	97
15) 2Methylphenol	3.011	107	133438	19.1841	ug/mL	93
16) Ntrspyrrol	3.119	100	73032	19.5043	ug/mL	99
17) Acetophenone	3.128	105	212378	18.9916	ug/mL	98
18) Hexaclethane	3.182	117	80724	18.5740	ug/mL	96
19) N-Ntrsdinprop	3.156	70	91752	18.0811	ug/mL	95
20) 3&4Methylphenol	3.187	107	157602	18.7792	ug/mL	96
23) Nitrobenzene	3.290	77	125792	16.6284	ug/mL	99
24) Isophorone	3.582	82	258203	17.8398	ug/mL	98
25) 2-Nitrophenol	3.653	139	102476	19.1901	ug/mL	99
26) 24Dimthpheno	3.795	122	148378	19.8272	ug/mL	96
27) bis2clethoxym	3.909	93	189502	18.5934	ug/mL	98
28) 24Diclphenol	3.969	162	161181	19.0502	ug/mL	94
29) 124Triclbenz	4.048	180	175734	18.4799	ug/mL	97
30) Benzoic acid	4.040	122	93466	22.3243	ug/mL	93
31) Naphthalene	4.122	128	536178	20.7780	ug/mL	98
32) 4-Cl-aniline	4.267	127	204682	18.7874	ug/mL	97
33) 26Diclphenol	4.261	162	128928	18.6498	ug/mL	96
34) Hexaclprop	4.250	213	111583	19.4970	ug/mL	100
35) Hexaclbutdien	4.338	225	105817	20.8987	ug/mL	95
36) 4Cl3methylphe	5.065	107	156021	16.5640	ug/mL	95
37) 2Methylnaphth	5.119	142	458794	17.5269	ug/mL	97
38) 1Methylnaphth	5.270	141	403512	17.3934	ug/mL	99
40) Hxclcycpentdi	5.395	237	131249	21.6536	ug/mL	95

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1CCV12.D Vial: 2
Acq On : 22 Aug 2013 12:57 Operator: RPN
Sample : ICAL 20ug/ml SVMS5746 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 22 13:11:41 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Thu Aug 22 13:11:36 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

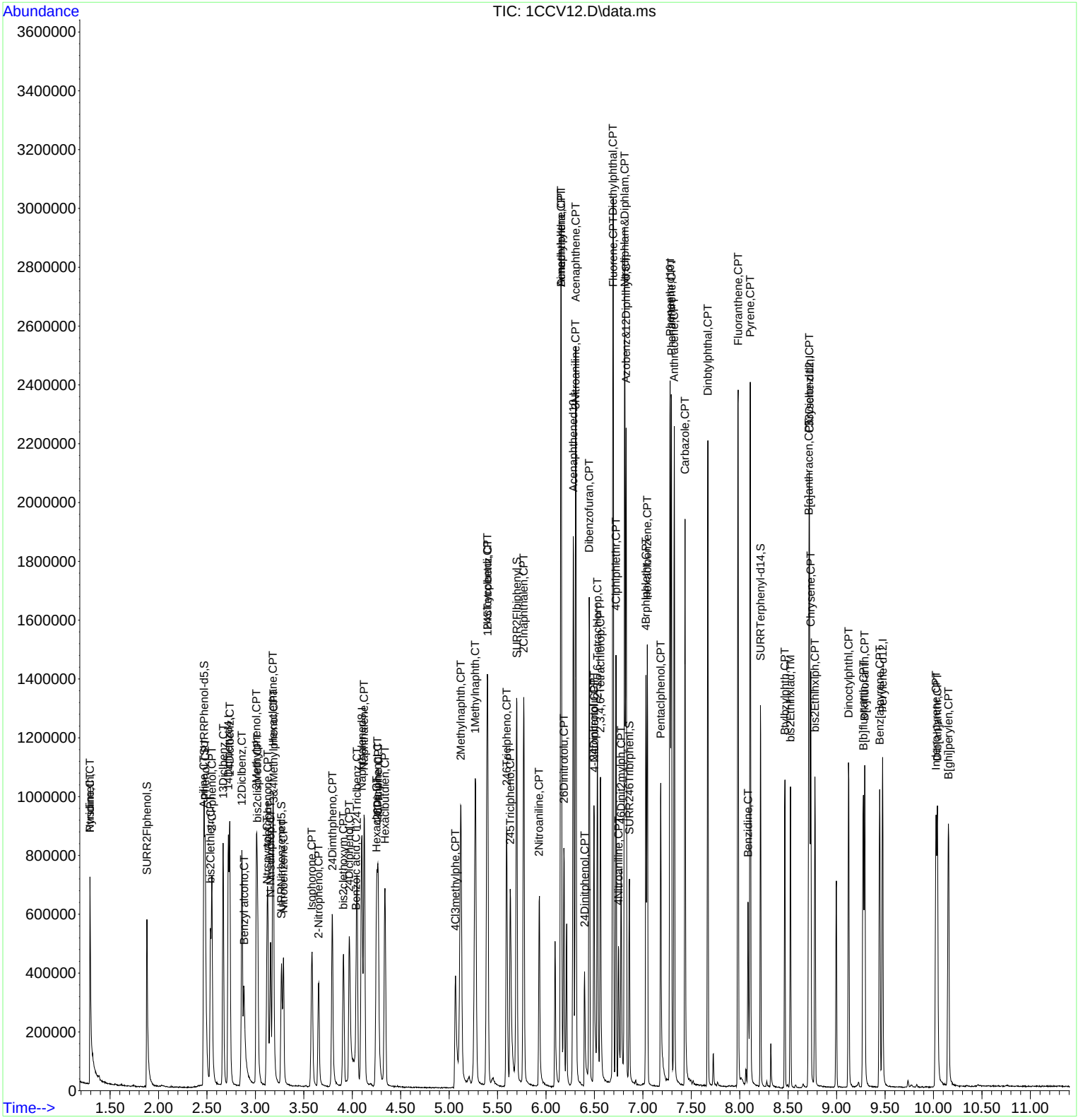
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1245Tetrclbenz	5.398	216	244500	19.1741 ug/mL	98
42) 246Triclpheno	5.594	196	163114	20.0002 ug/mL	97
43) 245Triclpheno	5.631	196	180599	20.2534 ug/mL	98
45) 2Clnaphthalen	5.770	162	470632	19.1356 ug/mL	99
46) 2Nitroaniline	5.929	65	90690	18.6824 ug/mL	98
47) Acnaphthylene	6.157	152	709955	20.6412 ug/mL	99
48) Dimethylphtha	6.157	163	429966	17.9417 ug/mL	98
49) 26Dinitrotolu	6.185	165	115771	19.1263 ug/mL	95
50) Acenaphthene	6.307	154	389762	19.9348 ug/mL	99
51) 3Nitroaniline	6.304	138	116686	20.7384 ug/mL	97
52) 24Dinitphenol	6.398	184	72710	19.0835 ug/mL	97
53) Dibenzofuran	6.446	168	604086	19.0708 ug/mL	100
54) 24Dinitrotolu	6.495	165	147026	19.3571 ug/mL	98
55) 4-Nitrophenol	6.498	139	88649	20.5371 ug/mL	95
56) 2,3,5,6-Tetrachlorop	6.532	232	128182	21.5509 ug/mL	97
57) 2,3,4,6-Tetrachlorop	6.563	232	134323	18.9519 ug/mL	97
58) Fluorene	6.694	166	461853	20.4127 ug/mL	99
59) 4Clphlphlethr	6.722	204	231306	19.7397 ug/mL	97
60) Diethylphthal	6.691	149	436467	18.7321 ug/mL	99
61) 4Nitroaniline	6.750	138	119750	21.4556 ug/mL	95
64) 46Dinit2mylph	6.776	198	92031	19.5010 ug/mL	97
65) Ntrsdiphlam&Diphlam	6.813	169	536685	37.8529 ug/mL	98
66) Azobenz&12Diphlhyd	6.827	182	181496	36.0155 ug/mL#	85
67) 4Brphlphlethr	7.032	248	142263	18.4911 ug/mL	96
68) Hexaclbenzene	7.046	284	150568	18.5947 ug/mL	99
69) Pentaclphenol	7.185	266	114118	22.3856 ug/mL	98
70) Phenanthrene	7.296	178	658182	18.6567 ug/mL	98
71) Anthracene	7.324	178	664701	18.1378 ug/mL	99
72) Carbazole	7.435	167	600931	17.3620 ug/mL	100
73) Dinbtylphthal	7.671	149	813249	17.2865 ug/mL	100
74) Fluoranthene	7.984	202	732026	17.6510 ug/mL	99
76) Benzidine	8.086	184	214640	20.8504 ug/mL	96
77) Pyrene	8.109	202	711143	20.2176 ug/mL	98
79) Btylbzylphth	8.467	149	188418	19.1290 ug/mL	97
80) bis2Ethlhxlad	8.523	129	143824	17.9356 ug/mL	99
81) 33Diclbnzidin	8.717	252	82144	19.3265 ug/mL	97
82) B[a]anthracen	8.714	228	301306	18.9878 ug/mL	98
83) Chrysene	8.734	228	297380	20.1989 ug/mL	99
84) bis2Ethlhxlph	8.776	149	262524	19.9984 ug/mL	98
85) Dinoctylphthl	9.123	149	475526	19.4897 ug/mL	99
87) B[b]fluoranth	9.276	252	307122	18.3646 ug/mL	99
88) B[k]fluoranth	9.291	252	294854	19.1137 ug/mL	98
89) Benz[a]pyrene	9.444	252	300283	18.3677 ug/mL	97
90) Indeno-pyrene	10.027	276	355896	19.7921 ug/mL	98
91) Dib[ah]anthr	10.041	278	277555	20.7698 ug/mL	97
92) B[ghi]perylen	10.154	276	313750	19.5339 ug/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1CCV12.D Vial: 2
Acq On : 22 Aug 2013 12:57 Operator: RPN
Sample : ICAL 20ug/ml SVMS5746 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 22 13:11:41 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Thu Aug 22 13:11:36 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

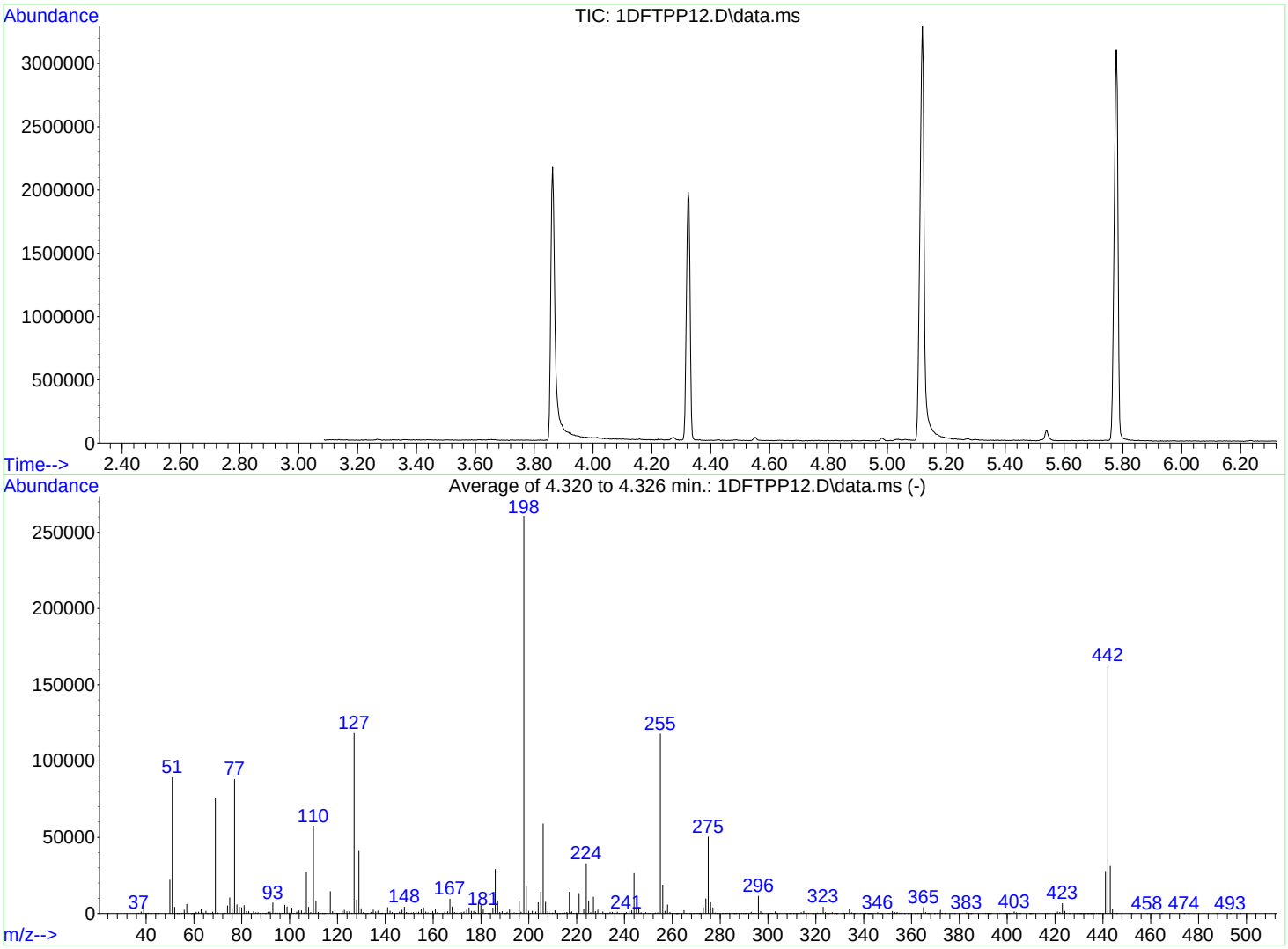


DFTPP

Data File : C:\INSTARCH\Data\1S082313\1DFTPP12.D Vial: 1
Acq On : 23 Aug 2013 12:37 Operator: RPN
Sample : DFTPP TUNE SVMS5691 Inst : SVMS1
Misc : SVMS1,25 ug DFTPP Multiplr: 1.00
Integrator: RTE

RPN
08/23/13

Method : C:\INSTARCH\METHODS\1S080513.M
Title : Method for 8270 analysis
Last Update : Fri Aug 23 12:48:34 2013



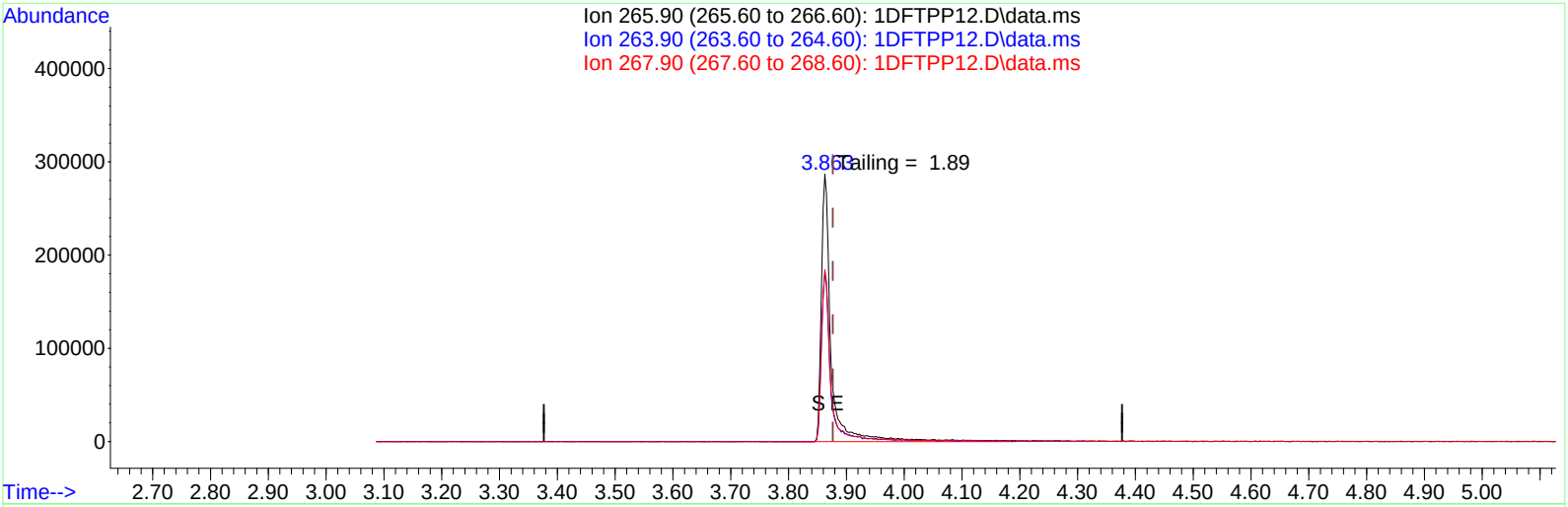
AutoFind: Scans 435, 436, 437; Background Corrected with Scan 425

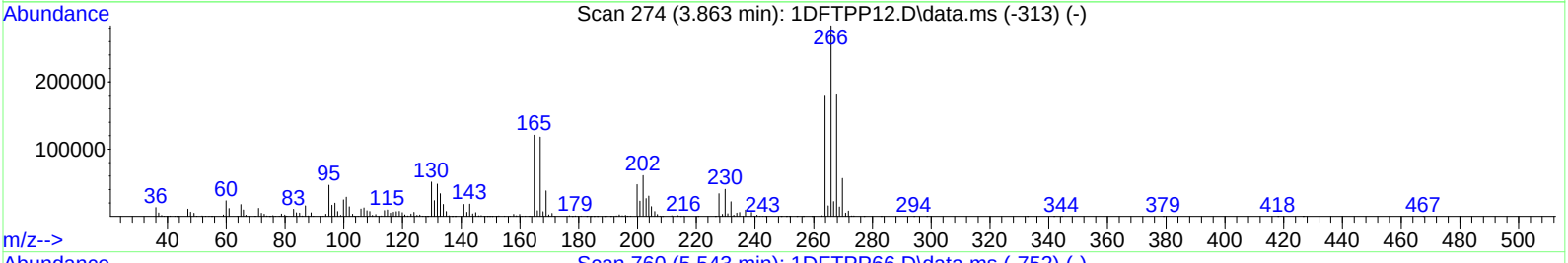
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.2	89143	PASS
68	69	0.00	2	1.3	1007	PASS
70	69	0.00	2	0.6	451	PASS
127	198	10	80	45.3	118088	PASS
197	198	0.00	2	0.4	1035	PASS
198	198	50	100	100.0	260480	PASS
199	198	5	9	6.8	17832	PASS
275	198	10	60	19.3	50248	PASS
365	198	1	100	1.6	4084	PASS
441	442	0.01	100	17.0	27688	PASS
442	198	50	100	62.4	162474	PASS
443	442	15	24	19.1	31080	PASS

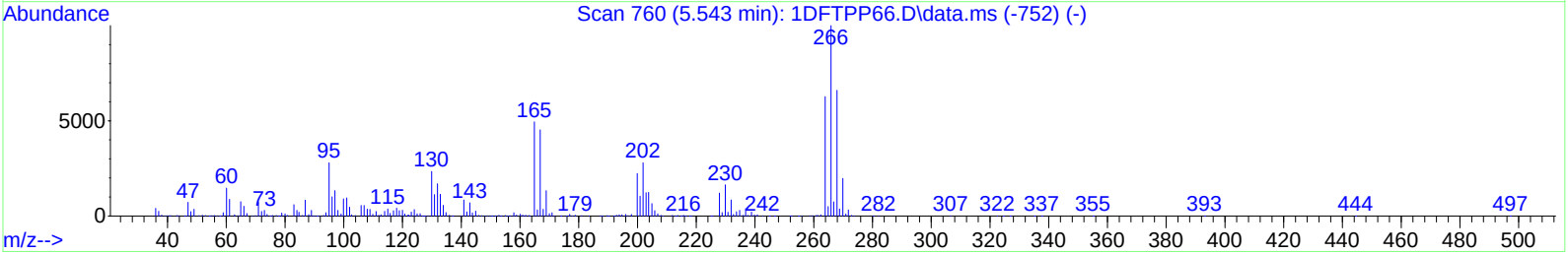
Quantitation Report (Qedit)

Data File : C:\INSTARCH\Data\1S082313\1DFTPP12.D Vial: 1
Acq On : 23 Aug 2013 12:37 Operator: RPN
Sample : DFTPP TUNE SVMS5691 Inst : SVMS1
Misc : SVMS1,25 ug DFTPP Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 13:08:31 2013

Quant Method : C:\INSTARCH\Methods\1DFTPP.M
Quant Title : DFTPP TUNE Method
QLast Update : Mon Aug 19 17:25:37 2013
Response via : Initial Calibration
DataAcq Meth:1DFTPP.M







TIC: 1DFTPP12.D\data.ms

(1) Pentachlorophenol

3.863min (-0.014) 56.95 ng

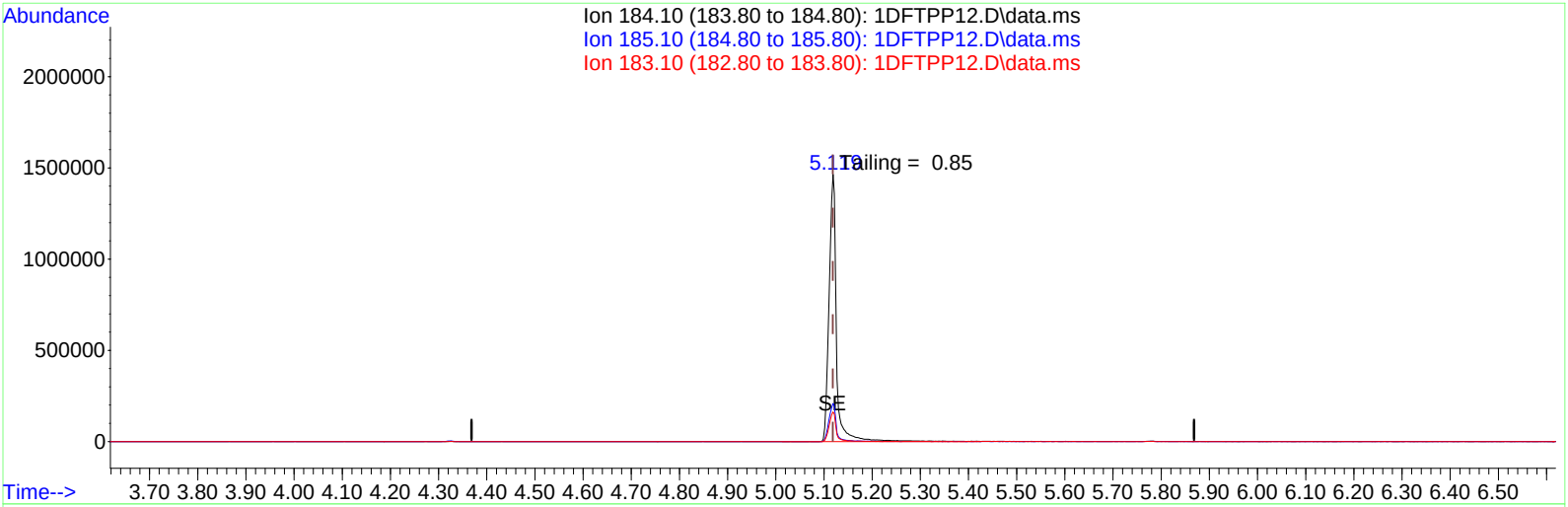
response 319862

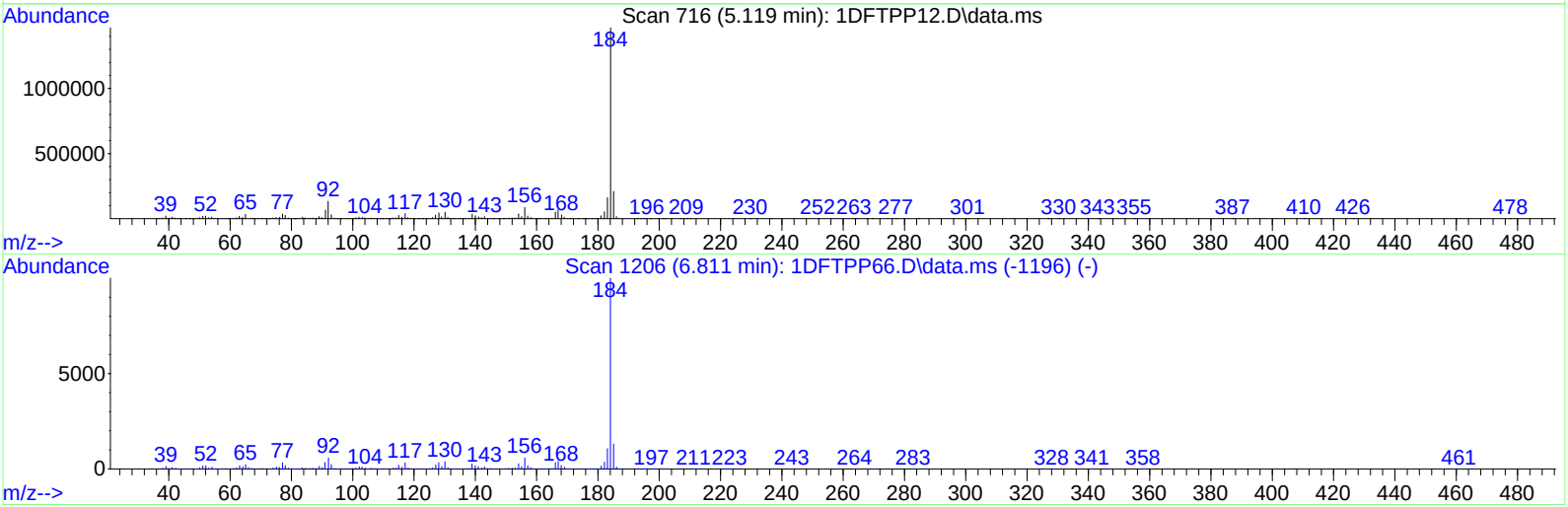
Ion	Exp%	Act%
265.90	100	100
263.90	66.20	63.62
267.90	60.90	64.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\INSTARCH\Data\1S082313\1DFTPP12.D Vial: 1
Acq On : 23 Aug 2013 12:37 Operator: RPN
Sample : DFTPP TUNE SVMS5691 Inst : SVMS1
Misc : SVMS1,25 ug DFTPP Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 13:09:20 2013

Quant Method : C:\INSTARCH\Methods\1DFTPP.M
Quant Title : DFTPP TUNE Method
QLast Update : Fri Aug 23 13:09:17 2013
Response via : Initial Calibration
DataAcq Meth:1DFTPP.M





TIC: 1DFTPP12.D\data.ms

(3) Benzidine

5.119min (0.000) 30.38 ng

response 1523079

Ion	Exp%	Act%
184.10	100	100
185.10	13.80	14.31
183.10	12.20	10.68
0.00	0.00	0.00

Data File	: 1DFTPP12.D	Vial Number	: 1
Data File Path	: C:\INSTARCH\Data\1S082313\	Operator	: RPN
Date Acquired	: 8/23/2013 12:37	Instrument Name:	SVMS1
Sample Name	: DFTPP TUNE SVMS5691	Sample Multiplier:	1
Misc Info	: SVMS1,25 ug DFTPP		

Quant Method	: C:\INSTARCH\Methods\1DFTPP.M
Calibration Title	: DFTPP TUNE Method
Last Update	: Fri Aug 23 13:09:17 2013

Compound	R.T.	QIon	Response
1) Pentachlorophenol	3.86	266	319862
2) DFTPP	4.32	198	240329
3) Benzidine	5.12	184	1523079
4) DDE	5.27	246	1059
5) DDD	5.54	235	15420
6) DDT	5.78	235	620971

DDT %Degradation

$$\frac{DDD + DDE}{DDD + DDE + DDT} \times 100\% = 2.59\ \%$$

Evaluate Continuing Calibration Report

Data File : C:\INSTARCH\Data\1S082313\1CCV13.D Vial: 2
Acq On : 23 Aug 2013 12:53 Operator: RPN
Sample : CCV 20ug/ml SVMS5746 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 09:35:59 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 09:35:55 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	14Diclbenzd4	20.000	20.000	0.0	100	0.00
2	CT	Ntrsdimeth	20.000	21.100	-5.5	98	0.00
3	CT	Pyridine	20.000	21.851	-9.3	105	0.00
4	S	SURR2Flphenol	50.000	56.618	-13.2	101	0.00
5	CT	Aniline	20.000	22.129	-10.6	104	0.00
6	CPT	bis2Clethletr	20.000	21.453	-7.3	104	0.00
7	S	SURRPhenol-d5	50.000	55.589	-11.2	105	0.00
8	CPT	Phenol	20.000	21.890	-9.5	104	0.00
9	CPT	2-Cl-phenol	20.000	22.046	-10.2	106	0.00
10	CT	13Diclbenz	20.000	20.658	-3.3	101	0.00
11	CT	14Diclbenz	20.000	21.113	-5.6	101	0.00
12	CT	12Diclbenz	20.000	20.970	-4.8	101	0.00
13	CT	Benzyl alcoho	20.000	16.650	16.8	75	0.00
14	CPT	bis2clispreth	20.000	20.889	-4.4	103	0.00
15	CPT	2Methylphenol	20.000	20.728	-3.6	103	0.00
16	CT	Ntrspyrrol	20.000	22.588	-12.9	102	0.00
17	CPT	Acetophenone	20.000	21.808	-9.0	101	0.00
18	CPT	Hexaclethane	20.000	20.647	-3.2	101	0.00
19	CPT	N-Ntrsdinprop	20.000	21.109	-5.5	101	0.00
20	CPT	3&4Methylphenol	20.000	21.090	-5.4	101	0.00
21	I	Naphthalened8	20.000	20.000	0.0	100	0.00
22	S	SURRNitrbenzened5	100.000	107.104	-7.1	100	0.00
23	CPT	Nitrobenzene	20.000	20.578	-2.9	98	0.00
24	CPT	Isophorone	20.000	20.953	-4.8	102	0.00
25	CPT	2-Nitrophenol	20.000	21.600	-8.0	100	0.00
26	CPT	24Dimthpheno	20.000	22.264	-11.3	106	0.00
27	CPT	bis2clethoxym	20.000	21.526	-7.6	99	0.00
28	CPT	24Diclphenol	20.000	21.701	-8.5	101	0.00
29	CT	124Triclbenz	20.000	20.398	-2.0	97	0.00
30	CT	Benzoic acid	20.000	23.227	-16.1	102	0.00
31	CPT	Naphthalene	20.000	20.483	-2.4	98	0.00
32	CPT	4-Cl-aniline	20.000	21.821	-9.1	103	0.00
33	CT	26Diclphenol	20.000	20.682	-3.4	97	0.00
34	CT	Hexaclprop	20.000	21.020	-5.1	101	0.00
35	CPT	Hexaclbutdien	20.000	20.360	-1.8	99	0.00
36	CPT	4Cl3methylphe	20.000	20.352	-1.8	94	0.00
37	CPT	2Methylnaphth	20.000	21.329	-6.6	100	0.00
38	CT	1Methylnaphth	20.000	19.877	0.6	95	0.00
39	I	Acenaphthened10	20.000	20.000	0.0	97	0.00
40	CPT	Hxclcycpentdi	20.000	23.032	-15.2	95	0.00
41	CT	1245Tetrclbenz	20.000	21.767	-8.8	102	0.00
42	CPT	246Triclpheno	20.000	20.403	-2.0	92	0.00
43	CPT	245Triclpheno	20.000	21.210	-6.1	92	0.00
44	S	SURR2Flbiphenyl	100.000	107.455	-7.5	99	0.00
45	CPT	2Clnaphthalen	20.000	21.878	-9.4	99	0.00
46	CPT	2Nitroaniline	20.000	22.258	-11.3	97	0.00
47	CPT	Acnaphthylene	20.000	20.531	-2.7	95	0.00
48	CPT	Dimethylphtha	20.000	20.236	-1.2	93	0.00
49	CPT	26Dinitrotolu	20.000	21.233	-6.2	96	0.00
50	CPT	Acenaphthene	20.000	21.563	-7.8	97	0.00
51	CPT	3Nitroaniline	20.000	22.828	-14.1	99	0.00

Evaluate Continuing Calibration Report

Data File : C:\INSTARCH\Data\1S082313\1CCV13.D Vial: 2
Acq On : 23 Aug 2013 12:53 Operator: RPN
Sample : CCV 20ug/ml SVMS5746 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 09:35:59 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 09:35:55 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
52	CPT	24Dinitphenol	20.000	19.481	2.6	94	0.00
53	CPT	Dibenzofuran	20.000	21.630	-8.1	102	0.00
54	CPT	24Dinitrotolu	20.000	23.439	-17.2	102	0.00
55	CPT	4-Nitrophenol	20.000	22.067	-10.3	95	0.00
56	CT	2,3,5,6-Tetrachlorop	20.000	22.380	-11.9	96	0.00
57	CPT	2,3,4,6-Tetrachlorop	20.000	23.089	-15.4	102	0.00
58	CPT	Fluorene	20.000	21.402	-7.0	98	0.00
59	CPT	4Clphlphlethr	20.000	21.924	-9.6	100	0.00
60	CPT	Diethylphthal	20.000	20.766	-3.8	95	0.00
61	CPT	4Nitroaniline	20.000	22.979	-14.9	101	0.00
62	S	SURR246Tribrphenl	50.000	54.207	-8.4	98	0.00
63	I	Phenanthrd10	20.000	20.000	0.0	99	0.00
64	CPT	46Dinit2mylph	20.000	21.007	-5.0	96	0.00
65	CPT	Ntrsdiphlam&Diphlam	40.000	42.914	-7.3	100	0.00
66	CT	Azobenz&12Diphlhyd	40.000	42.089	-5.2	102	0.00
67	CPT	4Brphlphlethr	20.000	21.411	-7.1	104	0.00
68	CPT	Hexaclbenzene	20.000	20.680	-3.4	99	0.00
69	CPT	Pentaclphenol	20.000	22.304	-11.5	102	0.00
70	CPT	Phenanthrene	20.000	20.628	-3.1	103	0.00
71	CPT	Anthracene	20.000	20.126	-0.6	101	0.00
72	CPT	Carbazole	20.000	21.912	-9.6	112	0.00
73	CPT	Dinbtylphthal	20.000	20.693	-3.5	97	0.00
74	CPT	Fluoranthene	20.000	21.399	-7.0	104	0.00
75	I	Chrysene-d12	20.000	20.000	0.0	98	0.00
76	CT	Benzidine	20.000	16.471	17.6	99	0.00
77	CPT	Pyrene	20.000	22.719	-13.6	107	0.00
78	S	SURRTerphenyl-d14	100.000	115.353	-15.4	108	0.00
79	CPT	Btylbzylphth	20.000	21.855	-9.3	100	0.00
80	TM	bis2Ethlhxlad	20.000	21.667	-8.3	98	0.00
81	CPT	33Diclbnzidin	20.000	19.212	3.9	94	0.00
82	CPT	B[a]anthracen	20.000	21.186	-5.9	99	0.00
83	CPT	Chrysene	20.000	21.097	-5.5	99	0.00
84	CPT	bis2Ethlhxlph	20.000	21.658	-8.3	98	0.00
85	CPT	Dinoctylphthl	20.000	22.499	-12.5	98	0.00
86	I	Perylene-d12	20.000	20.000	0.0	100	0.00
87	CPT	B[b]fluoranth	20.000	20.551	-2.8	100	0.00
88	CPT	B[k]fluoranth	20.000	20.396	-2.0	95	0.00
89	CPT	Benz[a]pyrene	20.000	21.175	-5.9	102	0.00
90	CPT	Indeno-pyrene	20.000	21.528	-7.6	101	0.00
91	CPT	Dib[ah]anthr	20.000	22.151	-10.8	100	0.00
92	CPT	B[ghi]perylen	20.000	21.739	-8.7	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\INSTARCH\Data\1S082313\1CCV13.D Vial: 2
Acq On : 23 Aug 2013 12:53 Operator: RPN
Sample : CCV 20ug/ml SVMS5746 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 09:35:59 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 09:35:55 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	14Diclbenzd4	1.000	1.000	0.0	100	0.00
2	CT	Ntrsdimeth	0.728	0.768	-5.5	98	0.00
3	CT	Pyridine	1.366	1.493	-9.3	105	0.00
4	S	SURR2Flphenol	0.545	0.617	-13.2	101	0.00
5	CT	Aniline	1.789	1.980	-10.7	104	0.00
6	CPT	bis2Clethletr	1.210	1.298	-7.3	104	0.00
7	S	SURRPhenol-d5	0.582	0.647	-11.2	105	0.00
8	CPT	Phenol	1.707	1.868	-9.4	104	0.00
9	CPT	2-Cl-phenol	1.455	1.603	-10.2	106	0.00
10	CT	13Diclbenz	1.696	1.751	-3.2	101	0.00
11	CT	14Diclbenz	1.604	1.693	-5.5	101	0.00
12	CT	12Diclbenz	1.588	1.665	-4.8	101	0.00
13	CT	Benzyl alcoho	0.701	0.584	16.7	75	0.00
14	CPT	bis2clispreth	2.036	2.127	-4.5	103	0.00
15	CPT	2Methylphenol	0.968	1.003	-3.6	103	0.00
16	CT	Ntrspyrrol	0.521	0.588	-12.9	102	0.00
17	CPT	Acetophenone	1.556	1.696	-9.0	101	0.00
18	CPT	Hexaclethane	0.605	0.624	-3.1	101	0.00
19	CPT	N-Ntrsdinprop	0.706	0.745	-5.5	101	0.00
20	CPT	3&4Methylphenol	1.167	1.231	-5.5	101	0.00
21	I	Naphthalened8	1.000	1.000	0.0	100	0.00
22	S	SURRNitrbenzened5	0.058	0.062	-6.9	100	0.00
23	CPT	Nitrobenzene	0.282	0.290	-2.8	98	0.00
24	CPT	Isophorone	0.540	0.565	-4.6	102	0.00
25	CPT	2-Nitrophenol	0.199	0.215	-8.0	100	0.00
26	CPT	24Dimthpheno	0.279	0.311	-11.5	106	0.00
27	CPT	bis2clethoxym	0.380	0.409	-7.6	99	0.00
28	CPT	24Diclphenol	0.316	0.342	-8.2	101	0.00
29	CT	124Triclbenz	0.355	0.362	-2.0	97	0.00
30	CT	Benzoic acid	0.156	0.181	-16.0	102	0.00
31	CPT	Naphthalene	0.962	0.986	-2.5	98	0.00
32	CPT	4-Cl-aniline	0.406	0.443	-9.1	103	0.00
33	CT	26Diclphenol	0.258	0.267	-3.5	97	0.00
34	CT	Hexaclprop	0.213	0.224	-5.2	101	0.00
35	CPT	Hexaclbutdien	0.189	0.192	-1.6	99	0.00
36	CPT	4Cl3methylphe	0.351	0.357	-1.7	94	0.00
37	CPT	2Methylnaphth	0.976	1.041	-6.7	100	0.00
38	CT	1Methylnaphth	0.865	0.860	0.6	95	0.00
39	I	Acenaphthened10	1.000	1.000	0.0	97	0.00
40	CPT	Hxclcycpentdi	0.292	0.337	-15.4	95	0.00
41	CT	1245Tetrclbenz	0.615	0.670	-8.9	102	0.00
42	CPT	246Triclpheno	0.393	0.401	-2.0	92	0.00
43	CPT	245Triclpheno	0.430	0.456	-6.0	92	0.00
44	S	SURR2Flbiphenyl	0.263	0.283	-7.6	99	0.00
45	CPT	2Clnaphthalen	1.187	1.298	-9.4	99	0.00
46	CPT	2Nitroaniline	0.234	0.261	-11.5	97	0.00
47	CPT	Acnaphthylene	1.726	1.705	1.2	95	0.00
48	CPT	Dimethylphtha	1.163	1.144	1.6	93	0.00
49	CPT	26Dinitrotolu	0.292	0.310	-6.2	96	0.00
50	CPT	Acenaphthene	0.956	1.004	-5.0	97	0.00
51	CPT	3Nitroaniline	0.271	0.310	-14.4	99	0.00

Evaluate Continuing Calibration Report

Data File : C:\INSTARCH\Data\1S082313\1CCV13.D Vial: 2
Acq On : 23 Aug 2013 12:53 Operator: RPN
Sample : CCV 20ug/ml SVMS5746 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 09:35:59 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 09:35:55 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
52	CPT	24Dinitphenol	0.166	0.179	-7.8	94	0.00
53	CPT	Dibenzofuran	1.528	1.653	-8.2	102	0.00
54	CPT	24Dinitrotolu	0.366	0.429	-17.2	102	0.00
55	CPT	4-Nitrophenol	0.208	0.230	-10.6	95	0.00
56	CT	2,3,5,6-Tetrachlorop	0.287	0.321	-11.8	96	0.00
57	CPT	2,3,4,6-Tetrachlorop	0.342	0.395	-15.5	102	0.00
58	CPT	Fluorene	1.118	1.157	-3.5	98	0.00
59	CPT	4Clphlphlethr	0.568	0.608	-7.0	100	0.00
60	CPT	Diethylphthal	1.130	1.144	-1.2	95	0.00
61	CPT	4Nitroaniline	0.269	0.309	-14.9	101	0.00
62	S	SURR246Tribrphenl	0.066	0.072	-9.1	98	0.00
63	I	Phenanthrd10	1.000	1.000	0.0	99	0.00
64	CPT	46Dinit2mylph	0.137	0.144	-5.1	96	0.00
65	CPT	Ntrsdiphlam&Diphlam	0.420	0.430	-2.4	100	0.00
66	CT	Azobenz&12Diphlhyd	0.149	0.150	-0.7	102	0.00
67	CPT	4Brphlphlethr	0.223	0.239	-7.2	104	0.00
68	CPT	Hexaclbenzene	0.235	0.243	-3.4	99	0.00
69	CPT	Pentaclphenol	0.148	0.165	-11.5	102	0.00
70	CPT	Phenanthrene	1.025	1.057	-3.1	103	0.00
71	CPT	Anthracene	1.064	1.071	-0.7	101	0.00
72	CPT	Carbazole	1.005	1.101	-9.6	112	0.00
73	CPT	Dinbtylphthal	1.367	1.414	-3.4	97	0.00
74	CPT	Fluoranthene	1.205	1.289	-7.0	104	0.00
75	I	Chrysene-d12	1.000	1.000	0.0	98	0.00
76	CT	Benzidine	0.737	0.607	17.6	99	0.00
77	CPT	Pyrene	2.517	2.860	-13.6	107	0.00
78	S	SURRTerphenyl-d14	0.199	0.230	-15.6	108	0.00
79	CPT	Btylbzylphth	0.705	0.770	-9.2	100	0.00
80	TM	bis2Ethlhxlad	0.574	0.622	-8.4	98	0.00
81	CPT	33Diclbnzidin	0.304	0.292	3.9	94	0.00
82	CPT	B[a]anthracen	1.136	1.203	-5.9	99	0.00
83	CPT	Chrysene	1.054	1.111	-5.4	99	0.00
84	CPT	bis2Ethlhxlph	0.940	1.017	-8.2	98	0.00
85	CPT	Dinoctylphthl	1.746	1.964	-12.5	98	0.00
86	I	Perylene-d12	1.000	1.000	0.0	100	0.00
87	CPT	B[b]fluoranth	1.138	1.169	-2.7	100	0.00
88	CPT	B[k]fluoranth	1.050	1.070	-1.9	95	0.00
89	CPT	Benz[a]pyrene	1.112	1.178	-5.9	102	0.00
90	CPT	Indeno-pyrene	1.223	1.317	-7.7	101	0.00
91	CPT	Dib[ah]anthr	0.909	1.007	-10.8	100	0.00
92	CPT	B[ghi]perylen	1.093	1.188	-8.7	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\1CCV13.D Vial: 2
Acq On : 23 Aug 2013 12:53 Operator: RPN
Sample : CCV 20ug/ml SVMS5746 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 09:35:59 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 09:35:55 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	158486	20.00	ug/mL	0.00
21) Naphthalened8	4.099	136	592060	20.00	ug/mL	0.00
39) Acenaphthened10	6.284	164	451225	20.00	ug/mL	0.00
63) Phenanthrd10	7.282	188	732271	20.00	ug/mL	0.00
75) Chrysene-d12	8.722	240	293640	20.00	ug/mL	0.00
86) Perylene-d12	9.478	264	321600	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.880	112	244599	56.62	%REC	0.00
Spiked Amount 100.000	Range 20 - 110		Recovery = 56.62%			
7) SURRPhenol-d5	2.474	99	256164	55.59	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 55.59%			
22) SURRNitrbenzened5	3.270	82	183789	107.10	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 107.10%			
44) SURR2Flbiphenyl	5.699	172	637437	107.45	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 107.45%			
62) SURR246Tribrphenl	6.861	330	80942	54.21	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 54.21%			
78) SURRTerphenyl-d14	8.214	244	337786	115.35	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 115.35%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.292	74	121743	21.0999	ug/mL	94
3) Pyridine	1.292	79	236594	21.8508	ug/mL	94
5) Aniline	2.468	93	313791	22.1292	ug/mL	86
6) bis2Clethletr	2.537	93	205751	21.4529	ug/mL	95
8) Phenol	2.485	94	296082	21.8902	ug/mL	98
9) 2-Cl-phenol	2.551	128	254130	22.0465	ug/mL	97
10) 13Diclbenz	2.667	146	277577	20.6578	ug/mL	97
11) 14Diclbenz	2.735	146	268382	21.1131	ug/mL	99
12) 12Diclbenz	2.863	146	263933	20.9703	ug/mL	97
13) Benzyl alcoho	2.886	108	92490	16.6497	ug/mL	92
14) bis2clispreth	3.020	45	337067	20.8889	ug/mL	97
15) 2Methylphenol	3.014	107	158924	20.7283	ug/mL	98
16) Ntrspyrrol	3.122	100	93229	22.5881	ug/mL	97
17) Acetophenone	3.130	105	268815	21.8080	ug/mL	99
18) Hexaclethane	3.182	117	98911	20.6470	ug/mL	97
19) N-Ntrsdinprop	3.159	70	118075	21.1095	ug/mL	96
20) 3&4Methylphenol	3.190	107	195093	21.0896	ug/mL	96
23) Nitrobenzene	3.292	77	171844	20.5778	ug/mL	99
24) Isophorone	3.585	82	334765	20.9525	ug/mL	96
25) 2-Nitrophenol	3.653	139	127330	21.6000	ug/mL	98
26) 24Dimthpheno	3.795	122	183927	22.2641	ug/mL	97
27) bis2clethoxym	3.912	93	242182	21.5255	ug/mL	98
28) 24Diclphenol	3.971	162	202687	21.7010	ug/mL	98
29) 124Triclbenz	4.051	180	214128	20.3979	ug/mL	97
30) Benzoic acid	4.062	122	107348	23.2266	ug/mL	82
31) Naphthalene	4.125	128	583485	20.4830	ug/mL	99
32) 4-Cl-aniline	4.270	127	262430	21.8207	ug/mL	99
33) 26Diclphenol	4.261	162	157836	20.6824	ug/mL	93
34) Hexaclprop	4.250	213	132802	21.0204	ug/mL	98
35) Hexaclbutdien	4.338	225	113803	20.3603	ug/mL	98
36) 4Cl3methylphe	5.077	107	211623	20.3522	ug/mL	93
37) 2Methylnaphth	5.122	142	616339	21.3292	ug/mL	99
38) 1Methylnaphth	5.273	141	509045	19.8771	ug/mL	96
40) Hxclcycpentdi	5.395	237	151950	23.0323	ug/mL	94

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\1CCV13.D Vial: 2
Acq On : 23 Aug 2013 12:53 Operator: RPN
Sample : CCV 20ug/ml SVMS5746 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 09:35:59 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 09:35:55 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

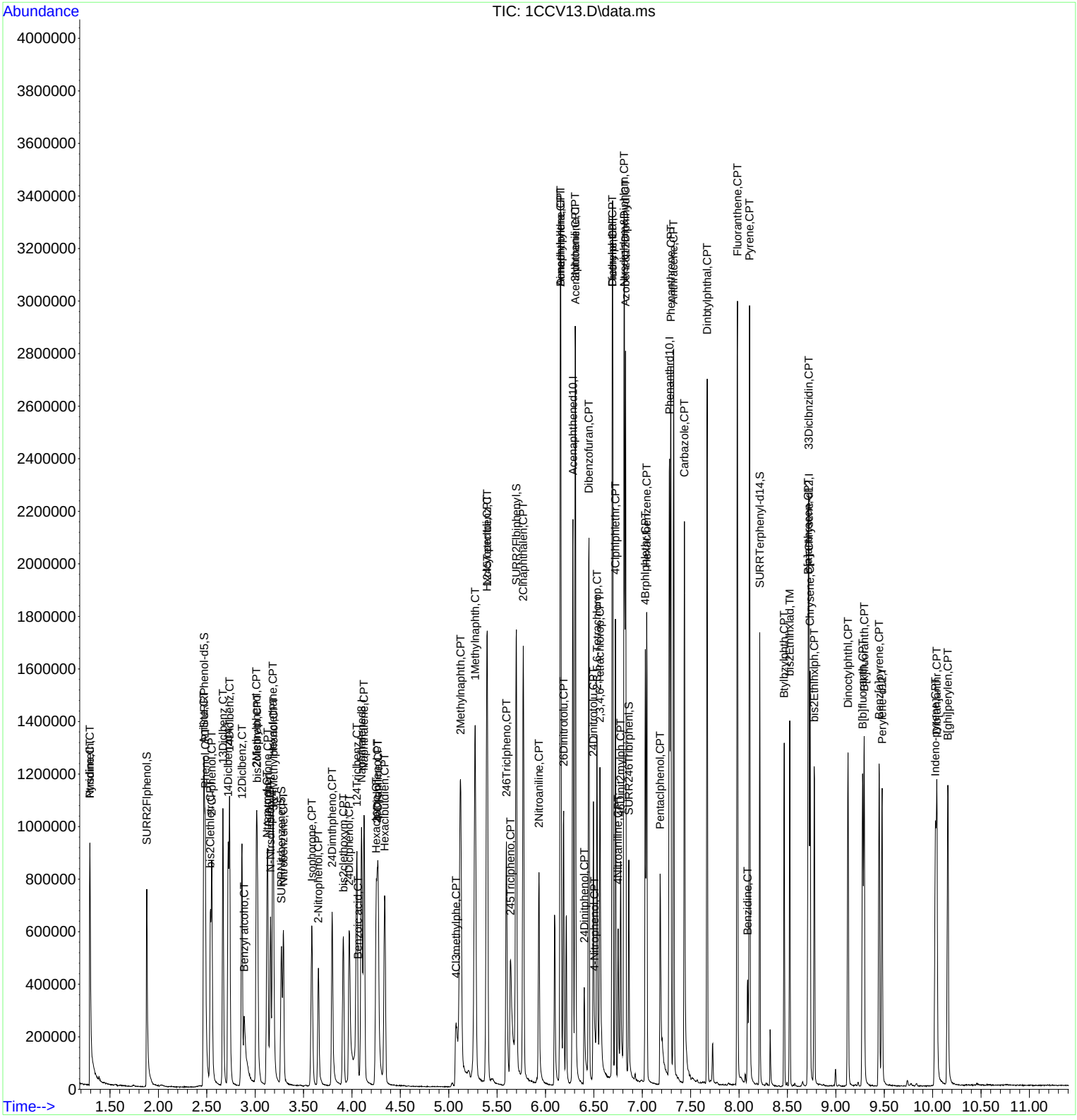
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1245Tetrclbenz	5.398	216	302106	21.7670 ug/mL	99
42) 246Triclpheno	5.597	196	181114	20.4031 ug/mL	98
43) 245Triclpheno	5.639	196	205852	21.2100 ug/mL	97
45) 2Clnaphthalen	5.770	162	585664	21.8782 ug/mL	99
46) 2Nitroaniline	5.932	65	117601	22.2580 ug/mL	99
47) Acnaphthylene	6.157	152	769320	20.5310 ug/mL	99
48) Dimethylphtha	6.157	163	516395	20.2357 ug/mL	100
49) 26Dinitrotolu	6.188	165	139886	21.2328 ug/mL	98
50) Acenaphthene	6.310	154	453015	21.5629 ug/mL	99
51) 3Nitroaniline	6.307	138	139802	22.8282 ug/mL	97
52) 24Dinitphenol	6.401	184	80946	19.4807 ug/mL	96
53) Dibenzofuran	6.449	168	745724	21.6297 ug/mL	98
54) 24Dinitrotolu	6.495	165	193768	23.4386 ug/mL	99
55) 4-Nitrophenol	6.506	139	103677	22.0674 ug/mL	85
56) 2,3,5,6-Tetrachlorop	6.532	232	144882	22.3797 ug/mL	99
57) 2,3,4,6-Tetrachlorop	6.563	232	178117	23.0893 ug/mL	98
58) Fluorene	6.694	166	522018	21.4019 ug/mL	98
59) 4Clphlphlethr	6.722	204	274426	21.9237 ug/mL	97
60) Diethylphthal	6.691	149	516228	20.7661 ug/mL	99
61) 4Nitroaniline	6.750	138	139592	22.9788 ug/mL	97
64) 46Dinit2mylph	6.776	198	105433	21.0069 ug/mL	97
65) Ntrsdiphlam&Diphlam	6.813	169	630113	42.9137 ug/mL	98
66) Azobenz&12Diphlhyd	6.827	182	219451	42.0891 ug/mL	92
67) 4Brphlphlethr	7.032	248	175192	21.4115 ug/mL	97
68) Hexaclbenzene	7.046	284	178084	20.6797 ug/mL	97
69) Pentaclphenol	7.185	266	120920	22.3037 ug/mL	97
70) Phenanthrene	7.296	178	773941	20.6282 ug/mL	100
71) Anthracene	7.324	178	784384	20.1256 ug/mL	99
72) Carbazole	7.435	167	806571	21.9119 ug/mL	99
73) Dinbtylphthal	7.671	149	1035345	20.6934 ug/mL	99
74) Fluoranthene	7.984	202	943834	21.3994 ug/mL	99
76) Benzidine	8.089	184	178166	16.4707 ug/mL	96
77) Pyrene	8.109	202	839719	22.7190 ug/mL	99
79) Btylbzylphth	8.467	149	226200	21.8548 ug/mL	97
80) bis2Ethlhxlad	8.523	129	182567	21.6666 ug/mL	99
81) 33Diclbnzidin	8.720	252	85806	19.2122 ug/mL	96
82) B[a]anthracen	8.714	228	353267	21.1861 ug/mL	99
83) Chrysene	8.734	228	326377	21.0969 ug/mL	100
84) bis2Ethlhxlph	8.776	149	298757	21.6584 ug/mL	96
85) Dinoctylphthl	9.126	149	576842	22.4993 ug/mL	99
87) B[b]fluoranth	9.276	252	376028	20.5514 ug/mL	99
88) B[k]fluoranth	9.293	252	344242	20.3963 ug/mL	99
89) Benz[a]pyrene	9.447	252	378752	21.1753 ug/mL	99
90) Indeno-pyrene	10.029	276	423530	21.5280 ug/mL	99
91) Dib[ah]anthr	10.044	278	323861	22.1510 ug/mL	98
92) B[ghi]perylen	10.157	276	382014	21.7388 ug/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\1CCV13.D Vial: 2
Acq On : 23 Aug 2013 12:53 Operator: RPN
Sample : CCV 20ug/ml SVMS5746 Inst : SVMS1
Misc : 500uL+5ul IS S2805D Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 09:35:59 2013

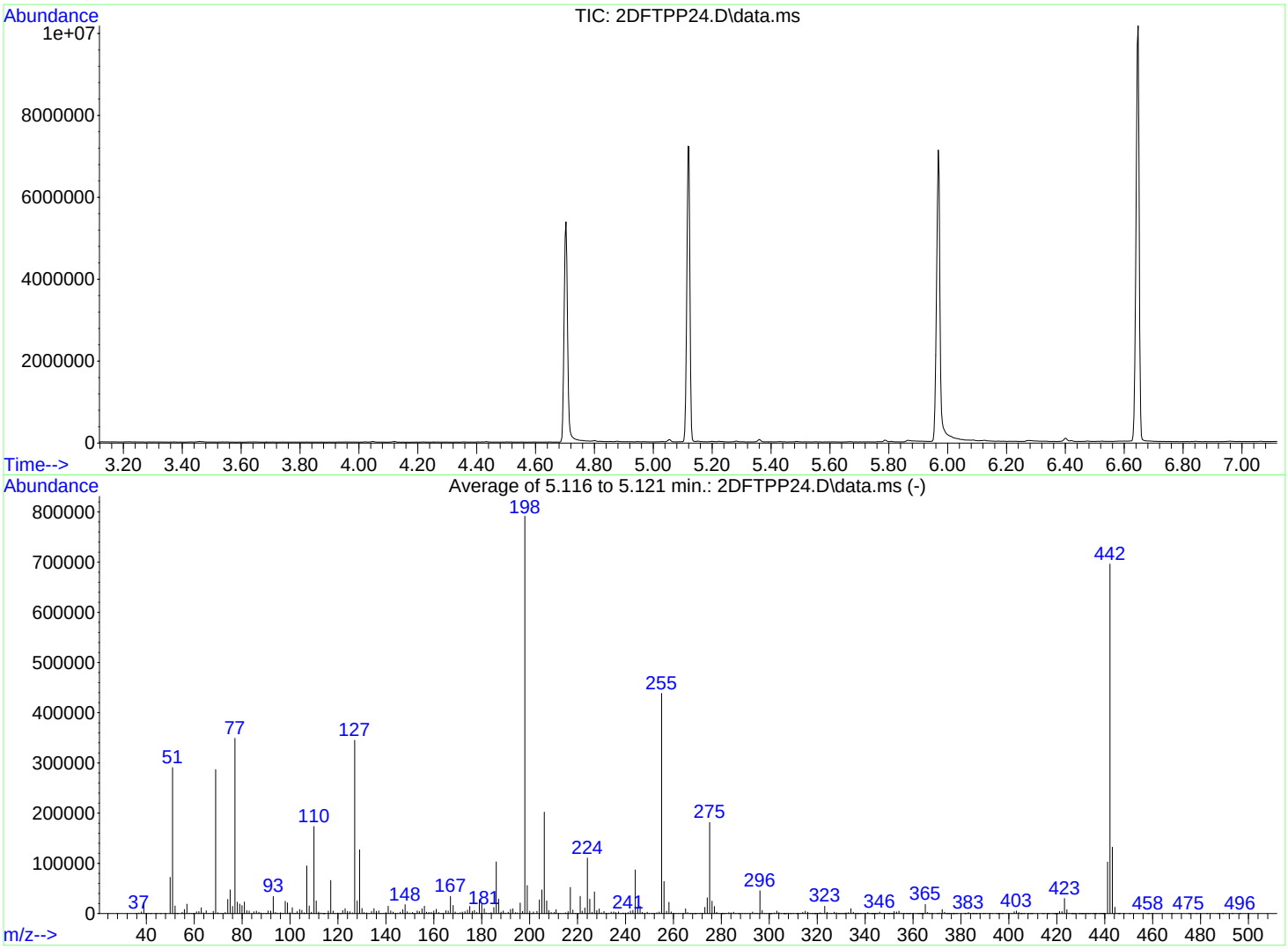
Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 09:35:55 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Data File : C:\INSTARCH\DATA\2S082213\2DFTPP24.D Vial: 1
Acq On : 22 Aug 2013 12:27 Operator: RPN
Sample : DFTPP SVMS5691 Inst : SVMS2
Misc : SVMS2,25 ng DFTPP Multiplr: 1.00
Integrator: RTE

RPN
08/23/13

Method : C:\INSTARCH\METHOD\2SIMDFT.M
Title : DFTPP TUNE Method
Last Update : Tue Aug 13 17:56:08 2013



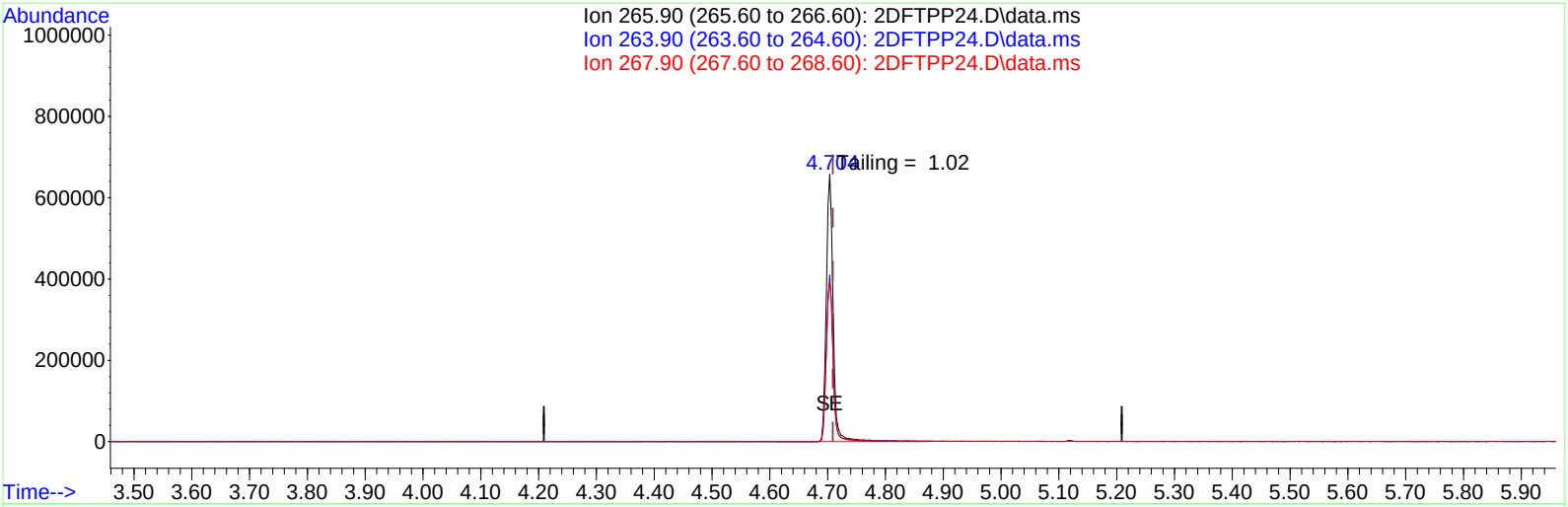
AutoFind: Scans 715, 716, 717; Background Corrected with Scan 706

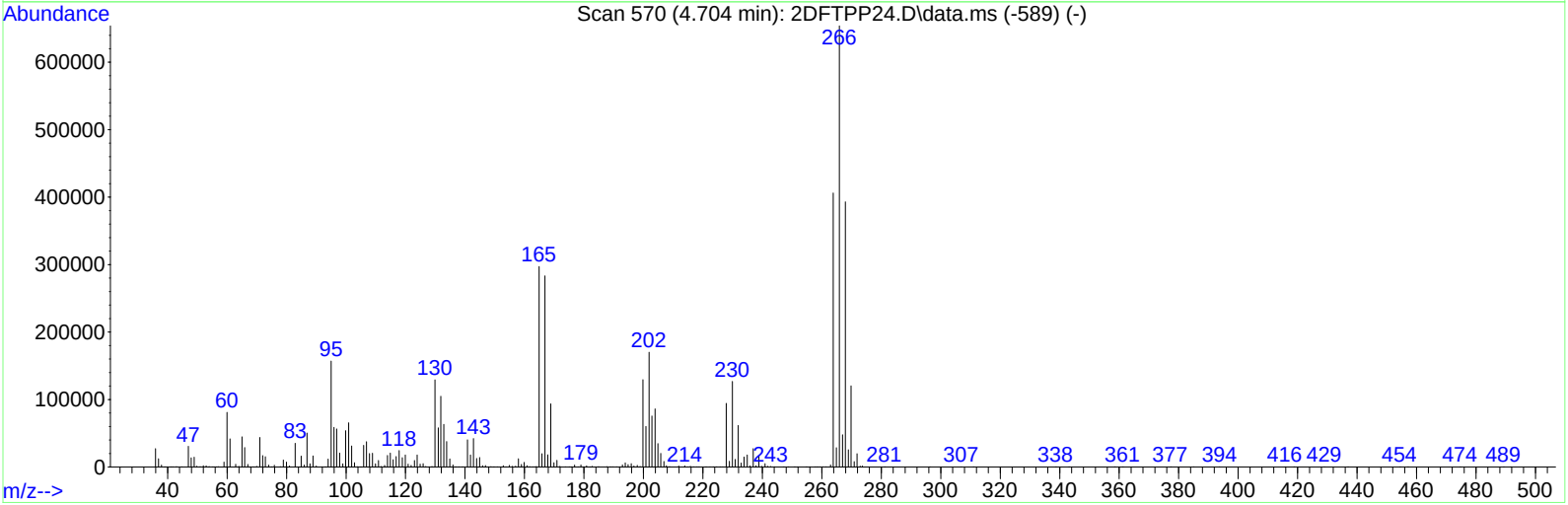
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	36.7	290663	PASS
68	69	0.00	2	1.6	4591	PASS
70	69	0.00	2	0.6	1660	PASS
127	198	10	80	43.6	345225	PASS
197	198	0.00	2	0.5	4213	PASS
198	198	50	100	100.0	791530	PASS
199	198	5	9	7.1	55840	PASS
275	198	10	60	22.9	181589	PASS
365	198	1	100	2.3	18397	PASS
441	442	0.01	24	14.8	102690	PASS
442	198	50	100	88.0	696170	PASS
443	442	15	24	19.0	132104	PASS

Quantitation Report (Qedit)

Data File : C:\INSTARCH\DATA\2S082213\2DFTPP24.D Vial: 1
Acq On : 22 Aug 2013 12:27 Operator: RPN
Sample : DFTPP SVMS5691 Inst : SVMS2
Misc : SVMS2,25 ng DFTPP Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 14:58:19 2013

Quant Method : C:\INSTARCH\METHOD\2SIMDFT.M
Quant Title : DFTPP TUNE Method
QLast Update : Tue Aug 13 17:56:08 2013
Response via : Initial Calibration
DataAcq Meth:2SIMDFT.M





TIC: 2DFTPP24.D\data.ms

(1) Pentachlorophenol

4.704min (-0.006) 152.73 ng

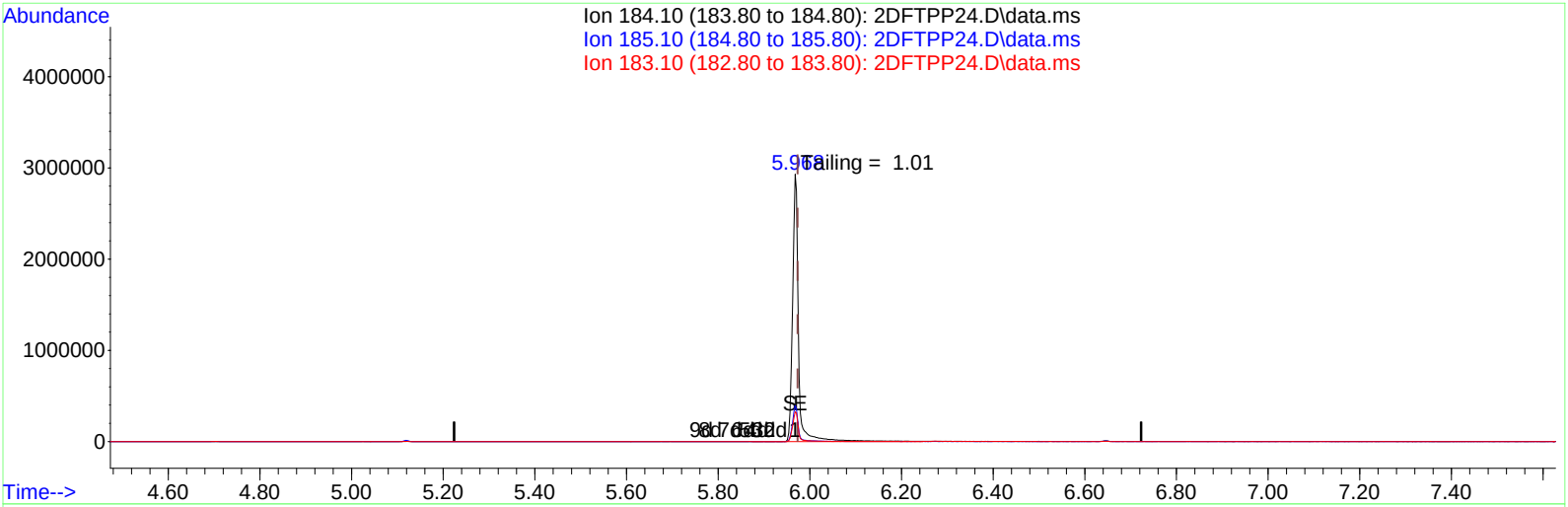
response 527970

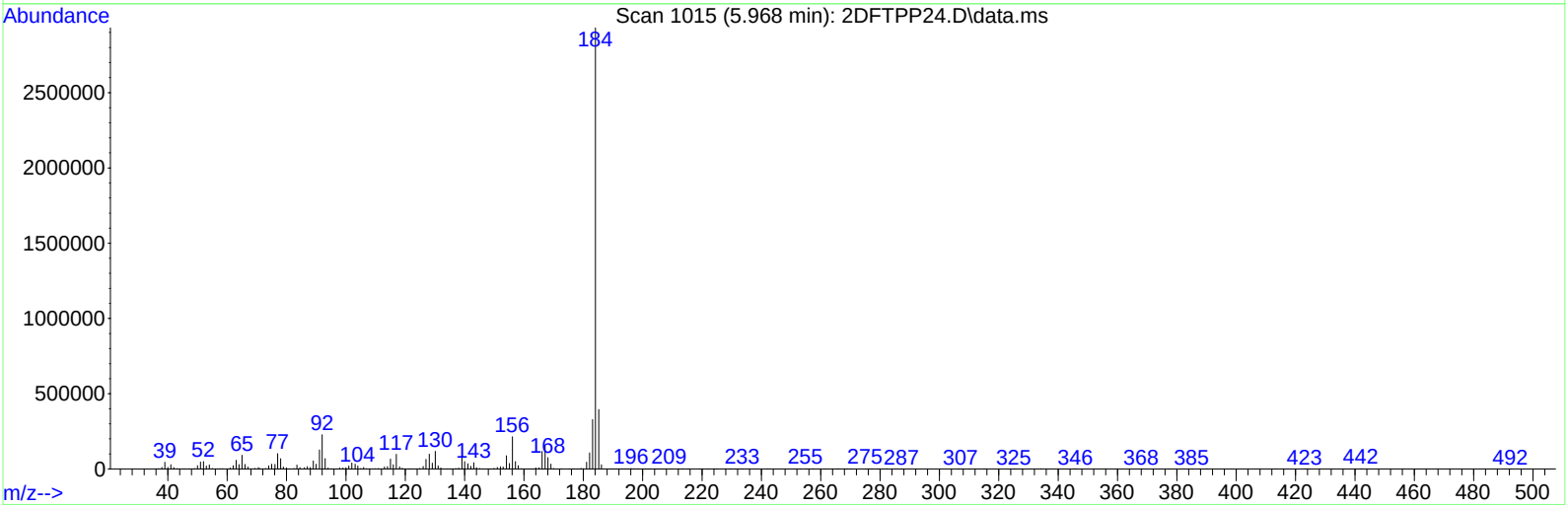
Ion	Exp%	Act%
265.90	100	100
263.90	63.20	62.27
267.90	63.10	60.04
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\INSTARCH\DATA\2S082213\2DFTPP24.D Vial: 1
Acq On : 22 Aug 2013 12:27 Operator: RPN
Sample : DFTPP SVMS5691 Inst : SVMS2
Misc : SVMS2,25 ng DFTPP Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 14:58:19 2013

Quant Method : C:\INSTARCH\METHOD\2SIMDFT.M
Quant Title : DFTPP TUNE Method
QLast Update : Tue Aug 13 17:56:08 2013
Response via : Initial Calibration
DataAcq Meth:2SIMDFT.M





TIC: 2DFTPP24.D\data.ms

(3) Benzidine

5.968min (-0.006) 139.21 ng

response 2651658

Ion	Exp%	Act%
184.10	100	100
185.10	15.00	13.36
183.10	11.40	11.04
0.00	0.00	0.00

Data File	: 2DFTPP24.D	Vial Number	: 1
Data File Path	: C:\INSTARCH\DATA\2S082213\	Operator	: RPN
Date Acquired	: 8/22/2013 12:27	Instrument Name:	SVMS2
Sample Name	: DFTPP SVMS5691	Sample Multiplier:	1
Misc Info	: SVMS2,25 ng DFTPP		

Quant Method	: C:\INSTARCH\METHOD\2SIMDFT.M
Calibration Title	: DFTPP TUNE Method
Last Update	: Tue Aug 13 17:56:08 2013

Compound	R.T.	QIon	Response
1) Pentachlorophenol	4.70	266	527970
2) DFTPP	5.12	198	615106
3) Benzidine	5.97	184	2651658
4) DDE	6.12	246	1491
5) DDD	6.40	235	11412
6) DDT	6.65	235	1525549

DDT %Degradation

$$\frac{DDD + DDE}{DDD + DDE + DDT} \times 100\% = 0.84\ \%$$

Evaluate Continuing Calibration Report

Data File : C:\INSTARCH\DATA\2S082213\2CCV21.D Vial: 2
Acq On : 22 Aug 2013 13:08 Operator: RPN
Sample : CCV 500 ng/mL SVMS5723 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 22 13:21:48 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Thu Aug 22 13:03:01 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	14Diclbenzd4	1000.000	1000.000	0.0	105	0.00
2	I	Naphthalened8	1000.000	1000.000	0.0	101	0.00
3	S	SURRNitrbenzened5	50.000	40.494	19.0	81	-0.02
4	CPT	Naphthalene	500.000	489.499	2.1	101	0.00
5	CPT	2Methylnaphth	500.000	587.885	-17.6	114	0.00
6	TM	1Methylnaphth	500.000	447.825	10.4	93	0.00
7	I	Acenaphthened10	1000.000	1000.000	0.0	97	0.00
8	S	SURR2Flbiphenyl	50.000	50.104	-0.2	105	0.00
9	CPT	Acnaphthylene	500.000	527.866	-5.6	104	0.00
10	CPT	Acenaphthene	500.000	486.791	2.6	95	0.00
11	CPT	Fluorene	500.000	527.795	-5.6	104	0.00
12	I	Phenanthrd10	1000.000	1000.000	0.0	104	0.00
13	CPT	Phenanthrene	500.000	516.963	-3.4	115	0.00
14	CPT	Anthracene	500.000	451.695	9.7	97	0.00
15	CPT	Fluoranthene	500.000	466.081	6.8	101	0.00
16	I	Chrysene-d12	1000.000	1000.000	0.0	112	0.00
17	CPT	Pyrene	500.000	449.685	10.1	100	0.00
18	S	SURRTerphenyl-d14	50.000	47.452	5.1	106	0.00
19	CPT	B[a]anthracen	500.000	548.581	-9.7	126	0.00
20	CPT	Chrysene	500.000	428.828	14.2	102	0.00
21	I	Perylene-d12	1000.000	1000.000	0.0	134	0.00
22	CPT	B[b]fluoranth	500.000	536.563	-7.3	133	0.00
23	CPT	B[k]fluoranth	500.000	453.606	9.3	134	0.00
24	CPT	Benz[a]pyrene	500.000	490.344	1.9	143	0.00
25	CPT	Indeno-pyrene	500.000	412.902	17.4	121	0.00
26	CPT	Dib[ah]anthr	500.000	569.477	-13.9	167	0.00
27	CPT	B[ghi]perylen	500.000	519.053	-3.8	152	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\INSTARCH\DATA\2S082213\2CCV21.D Vial: 2
Acq On : 22 Aug 2013 13:08 Operator: RPN
Sample : CCV 500 ng/mL SVMS5723 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 22 13:21:48 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Thu Aug 22 13:03:01 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	14Diclbenzd4	1.000	1.000	0.0	105	0.00
2	I	Naphthalened8	1.000	1.000	0.0	101	0.00
3	S	SURRNitrbenzened5	2.791	2.260	19.0	81	-0.02
4	CPT	Naphthalene	0.881	0.863	2.0	101	0.00
5	CPT	2Methylnaphth	0.518	0.609	-17.6	114	0.00
6	TM	1Methylnaphth	0.671	0.601	10.4	93	0.00
7	I	Acenaphthened10	1.000	1.000	0.0	97	0.00
8	S	SURR2Flbiphenyl	11.453	11.477	-0.2	105	0.00
9	CPT	Acnaphthylene	1.293	1.365	-5.6	104	0.00
10	CPT	Acenaphthene	0.973	0.947	2.7	95	0.00
11	CPT	Fluorene	1.068	1.128	-5.6	104	0.00
12	I	Phenanthrd10	1.000	1.000	0.0	104	0.00
13	CPT	Phenanthrene	0.852	0.881	-3.4	115	0.00
14	CPT	Anthracene	0.991	0.895	9.7	97	0.00
15	CPT	Fluoranthene	1.127	1.051	6.7	101	0.00
16	I	Chrysene-d12	1.000	1.000	0.0	112	0.00
17	CPT	Pyrene	1.277	1.149	10.0	100	0.00
18	S	SURRTerphenyl-d14	6.676	6.336	5.1	106	0.00
19	CPT	B[a]anthracen	0.788	0.864	-9.6	126	0.00
20	CPT	Chrysene	1.216	1.043	14.2	102	0.00
21	I	Perylene-d12	1.000	1.000	0.0	134	0.00
22	CPT	B[b]fluoranth	0.951	1.021	-7.4	133	0.00
23	CPT	B[k]fluoranth	1.372	1.244	9.3	134	0.00
24	CPT	Benz[a]pyrene	1.021	1.002	1.9	143	0.00
25	CPT	Indeno-pyrene	0.739	0.610	17.5	121	0.00
26	CPT	Dib[ah]anthr	0.530	0.603	-13.8	167#	0.00
27	CPT	B[ghi]perylen	0.729	0.756	-3.7	152#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\2CCV21.D Vial: 2
Acq On : 22 Aug 2013 13:08 Operator: RPN
Sample : CCV 500 ng/mL SVMS5723 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 22 13:21:48 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Thu Aug 22 13:03:01 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

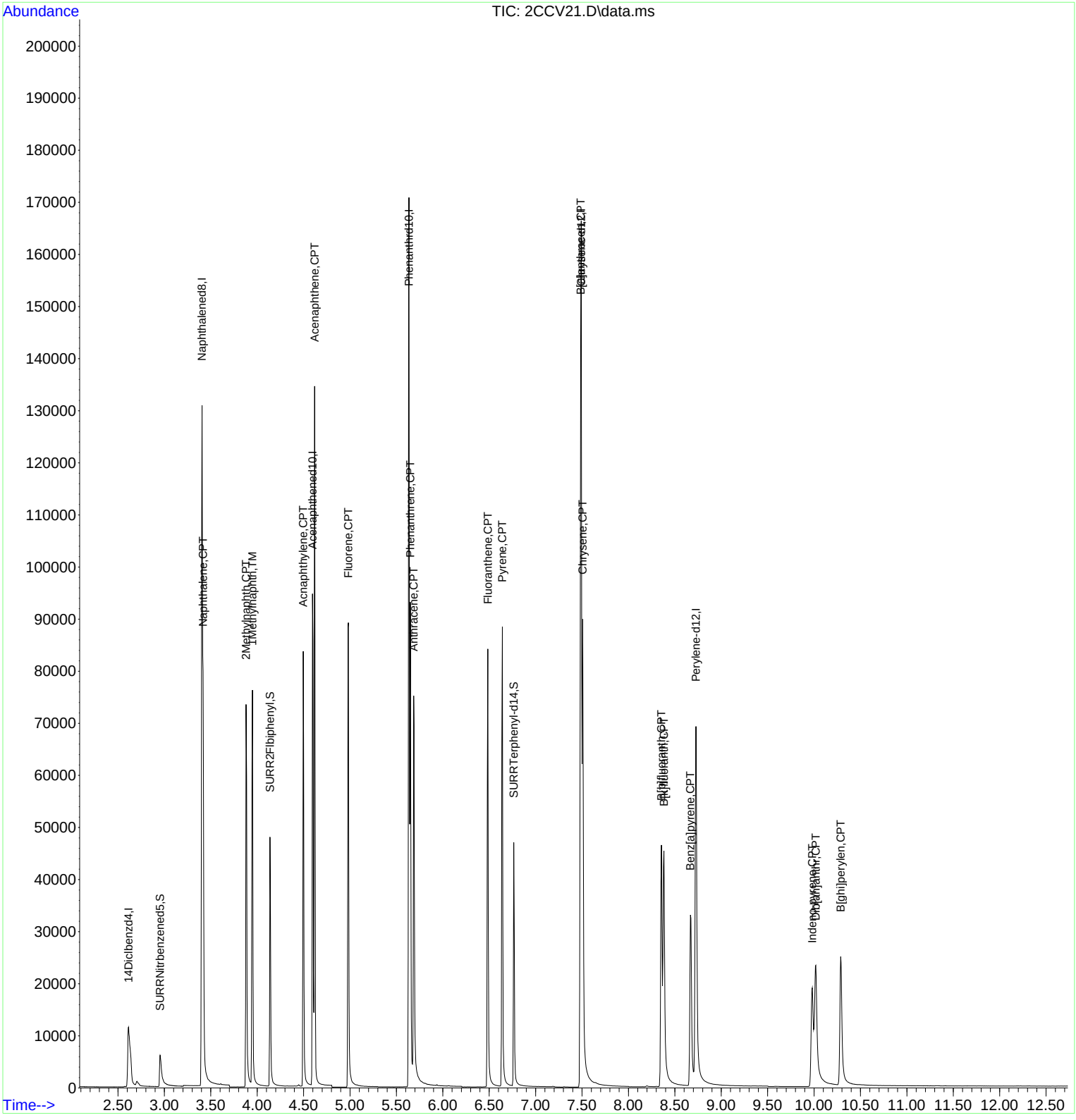
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.613	152	23789	1000.00	ng/mL	0.00
2) Naphthalened8	3.405	136	106152	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	64272	1000.00	ng/mL	0.00
12) Phenanthrd10	5.635	188	119776	1000.00	ng/mL	0.00
16) Chrysene-d12	7.491	240	110585	1000.00	ng/mL	0.00
21) Perylene-d12	8.727	264	90560	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.954	82	11997	40.49	%REC	-0.02
Spiked Amount 100.000			Recovery = 40.49%			
8) SURR2Flbiphenyl	4.138	172	36882	50.10	%REC	0.00
Spiked Amount 100.000			Recovery = 50.10%			
18) SURRTerphenyl-d14	6.765	244	35032	47.45	ng/mL	0.00
Spiked Amount 100.000			Recovery = 47.45%			
Target Compounds						Qvalue
4) Naphthalene	3.417	128	45786	489.4992	ng/mL	98
5) 2Methylnaphth	3.880	142	32330	587.8845	ng/mL	100
6) 1Methylnaphth	3.950	142	31905	447.8251	ng/mL	99
9) Acnaphthylene	4.496	152	43856	527.8660	ng/mL	95
10) Acenaphthene	4.619	154	30433	486.7910	ng/mL	94
11) Fluorene	4.983	166	36238	527.7946	ng/mL	97
13) Phenanthrene	5.650	178	52734	516.9625	ng/mL	100
14) Anthracene	5.687	178	53620	451.6953	ng/mL	98
15) Fluoranthene	6.485	202	62940	466.0814	ng/mL	99
17) Pyrene	6.641	202	63513	449.6848	ng/mL	99
19) B[a]anthracen	7.485	228	47793	548.5811	ng/mL	86
20) Chrysene	7.507	228	57684	428.8281	ng/mL	95
22) B[b]fluoranth	8.355	252	46219	536.5634	ng/mL	99
23) B[k]fluoranth	8.382	252	56344	453.6062	ng/mL	99
24) Benz[a]pyrene	8.668	252	45352	490.3439	ng/mL	100
25) Indeno-pyrene	9.981	276	27618	412.9019	ng/mL	99
26) Dib[ah]anthr	10.018	278	27310	569.4770	ng/mL	99
27) B[ghi]perylen	10.287	276	34251	519.0534	ng/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\2CCV21.D Vial: 2
Acq On : 22 Aug 2013 13:08 Operator: RPN
Sample : CCV 500 ng/mL SVMS5723 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 22 13:21:48 2013

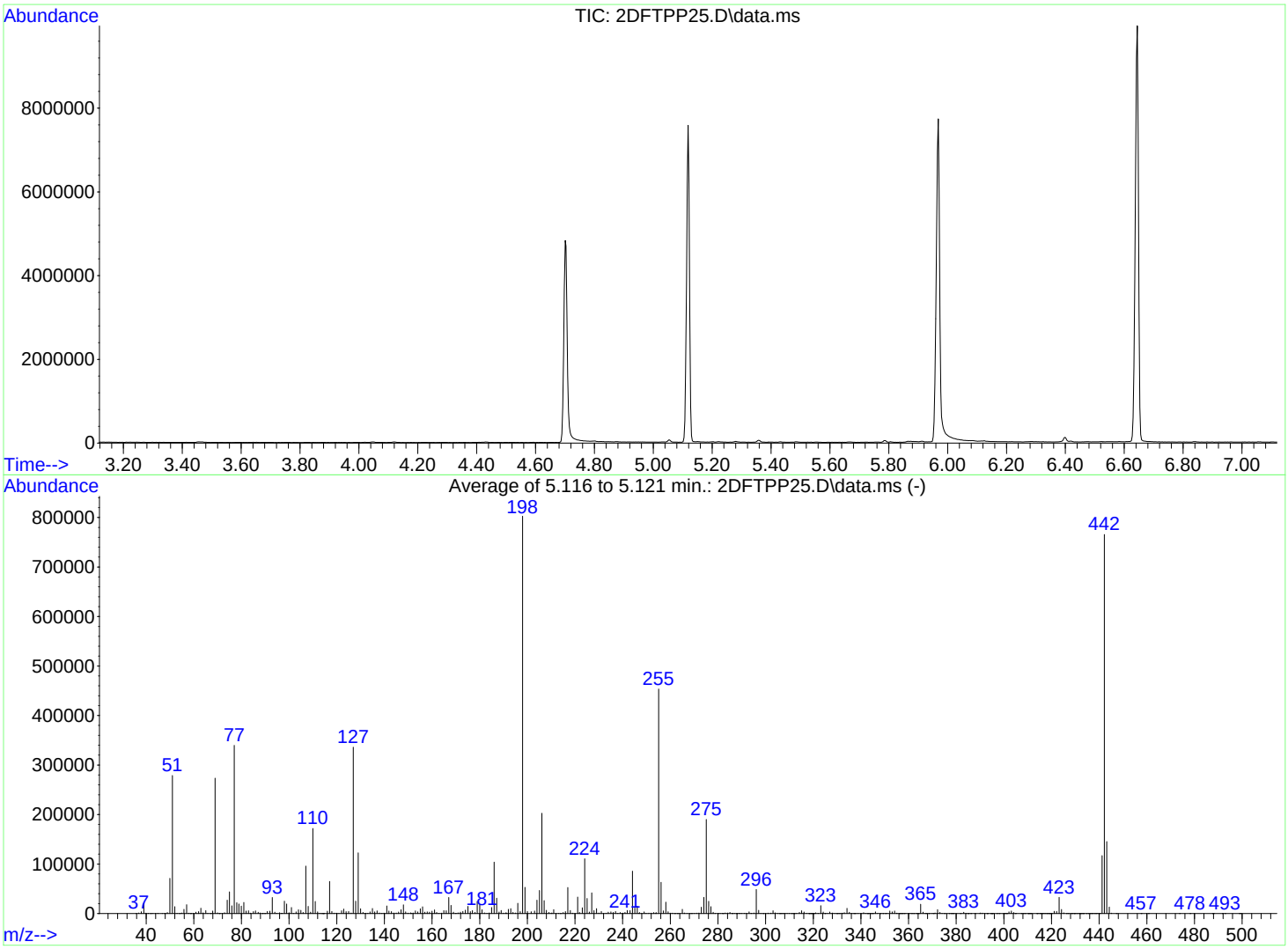
Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Thu Aug 22 13:03:01 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Data File : C:\INSTARCH\DATA\2S082313\2DFTPP25.D Vial: 1
Acq On : 23 Aug 2013 8:56 Operator: RPN
Sample : DFTPP SVMS5691 Inst : SVMS2
Misc : SVMS2,25 ng DFTPP Multiplr: 1.00
Integrator: RTE

RPN
08/23/13

Method : C:\INSTARCH\METHOD\2SIMDFT.M
Title : DFTPP TUNE Method
Last Update : Tue Aug 13 17:56:08 2013



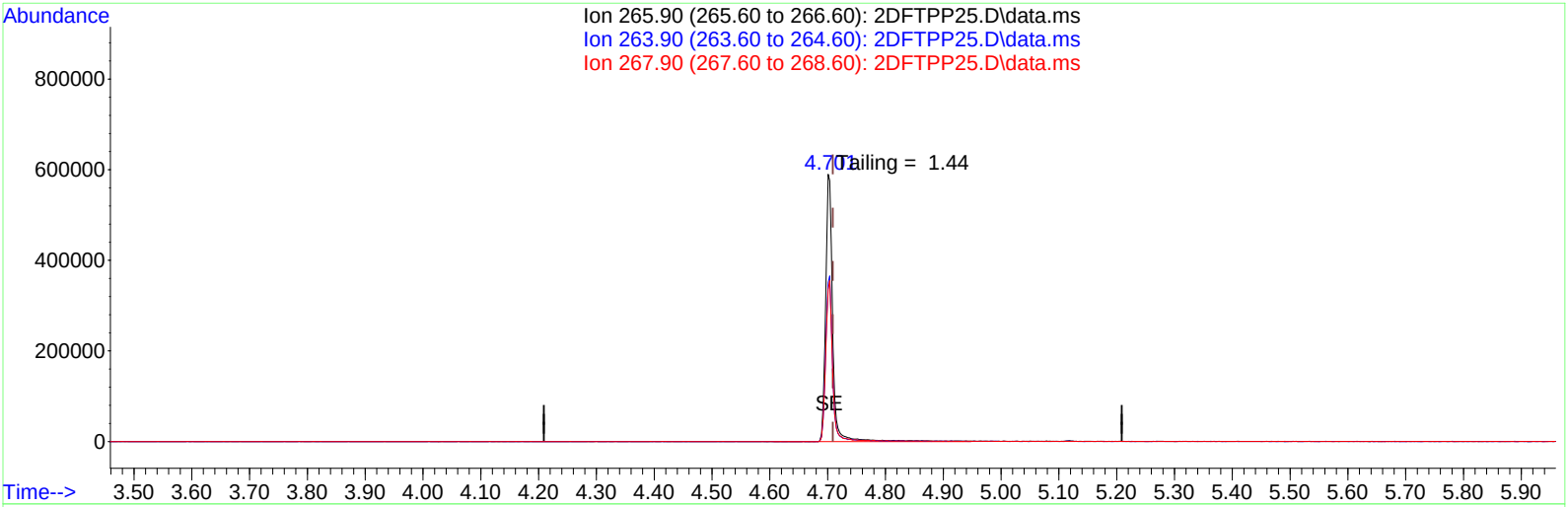
AutoFind: Scans 715, 716, 717; Background Corrected with Scan 706

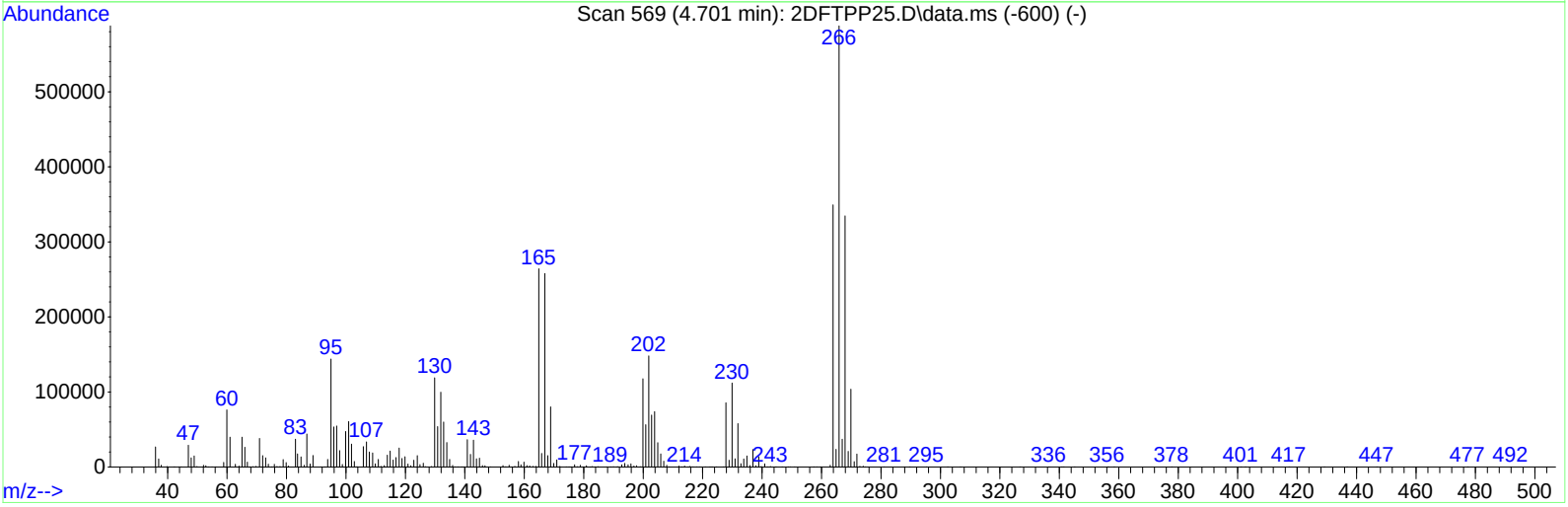
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.8	279004	PASS
68	69	0.00	2	1.9	5242	PASS
70	69	0.00	2	0.5	1385	PASS
127	198	10	80	41.9	336175	PASS
197	198	0.00	2	0.5	4026	PASS
198	198	50	100	100.0	802645	PASS
199	198	5	9	6.6	52848	PASS
275	198	10	60	23.7	190229	PASS
365	198	1	100	2.3	18699	PASS
441	442	0.01	24	15.3	117073	PASS
442	198	50	100	95.4	765674	PASS
443	442	15	24	19.0	145424	PASS

Quantitation Report (Qedit)

Data File : C:\INSTARCH\DATA\2S082313\2DFTPP25.D Vial: 1
Acq On : 23 Aug 2013 8:56 Operator: RPN
Sample : DFTPP SVMS5691 Inst : SVMS2
Misc : SVMS2,25 ng DFTPP Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 12:48:37 2013

Quant Method : C:\INSTARCH\METHOD\2SIMDFT.M
Quant Title : DFTPP TUNE Method
QLast Update : Tue Aug 13 17:56:08 2013
Response via : Initial Calibration
DataAcq Meth:2SIMDFT.M





TIC: 2DFTPP25.D\data.ms

(1) Pentachlorophenol

4.701min (-0.008) 140.84 ng

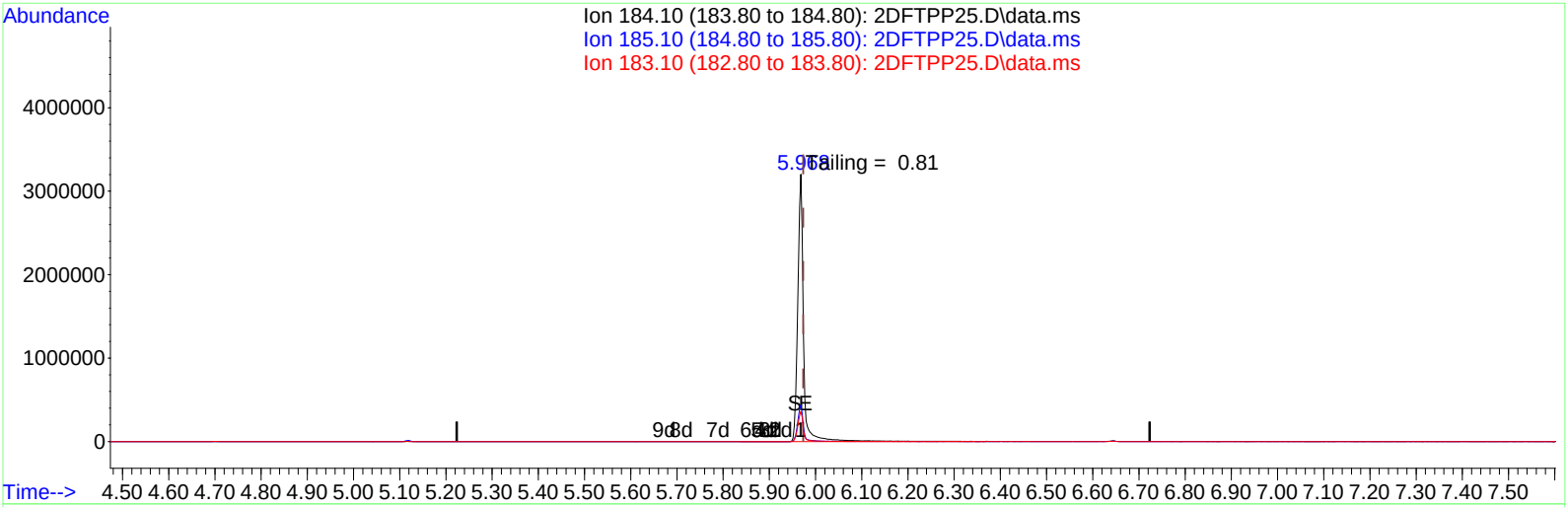
response 486871

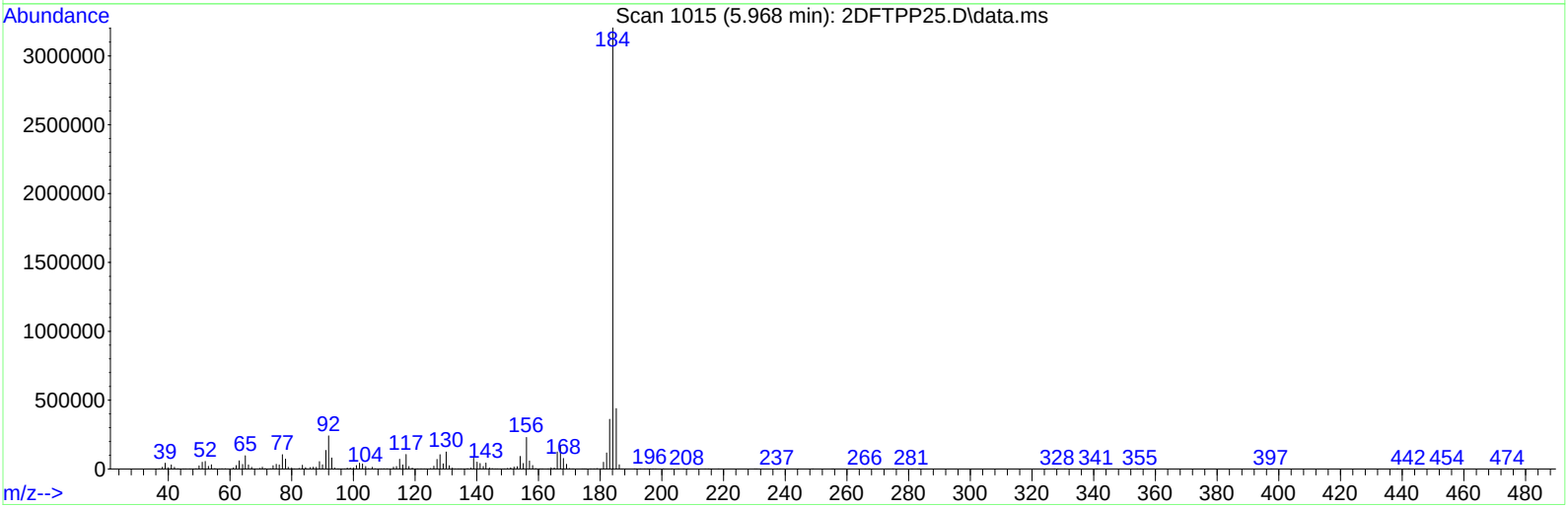
Ion	Exp%	Act%
265.90	100	100
263.90	63.20	59.46
267.90	63.10	56.97
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : C:\INSTARCH\DATA\2S082313\2DFTPP25.D Vial: 1
Acq On : 23 Aug 2013 8:56 Operator: RPN
Sample : DFTPP SVMS5691 Inst : SVMS2
Misc : SVMS2,25 ng DFTPP Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 12:48:37 2013

Quant Method : C:\INSTARCH\METHOD\2SIMDFT.M
Quant Title : DFTPP TUNE Method
QLast Update : Tue Aug 13 17:56:08 2013
Response via : Initial Calibration
DataAcq Meth:2SIMDFT.M





TIC: 2DFTPP25.D\data.ms

(3) Benzidine

5.968min (-0.006) 147.78 ng

response 2814952

Ion	Exp%	Act%
184.10	100	100
185.10	15.00	13.70
183.10	11.40	11.07
0.00	0.00	0.00

Data File	: 2DFTPP25.D	Vial Number	: 1
Data File Path	: C:\INSTARCH\DATA\2S082313\	Operator	: RPN
Date Acquired	: 8/23/2013 8:56	Instrument Name:	SVMS2
Sample Name	: DFTPP SVMS5691	Sample Multiplier:	1
Misc Info	: SVMS2,25 ng DFTPP		

Quant Method	: C:\INSTARCH\METHOD\2SIMDFT.M
Calibration Title	: DFTPP TUNE Method
Last Update	: Tue Aug 13 17:56:08 2013

Compound	R.T.	QIon	Response
1) Pentachlorophenol	4.70	266	486871
2) DFTPP	5.12	198	614841
3) Benzidine	5.97	184	2814952
4) DDE	6.13	246	1439
5) DDD	6.40	235	20565
6) DDT	6.64	235	1522699

DDT %Degradation

$$\frac{DDD + DDE}{DDD + DDE + DDT} \times 100\% = 1.42\ \%$$

Evaluate Continuing Calibration Report

Data File : C:\INSTARCH\DATA\2S082313\2CCV22.D Vial: 2
Acq On : 23 Aug 2013 9:11 Operator: RPN
Sample : CCV 500 ng/mL SVMS5723 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 12:55:12 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 12:55:08 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	14Diclbenzd4	1000.000	1000.000	0.0	104	0.00
2	I	Naphthalened8	1000.000	1000.000	0.0	101	0.00
3	S	SURRNitrbenzened5	50.000	40.167	19.7	81	0.00
4	CPT	Naphthalene	500.000	485.908	2.8	100	0.00
5	CPT	2Methylnaphth	500.000	567.735	-13.5	110	0.00
6	TM	1Methylnaphth	500.000	460.650	7.9	95	0.00
7	I	Acenaphthened10	1000.000	1000.000	0.0	98	0.00
8	S	SURR2Flbiphenyl	50.000	48.939	2.1	104	0.00
9	CPT	Acnaphthylene	500.000	512.991	-2.6	102	0.00
10	CPT	Acenaphthene	500.000	481.722	3.7	95	0.00
11	CPT	Fluorene	500.000	517.221	-3.4	103	0.00
12	I	Phenanthrd10	1000.000	1000.000	0.0	105	0.00
13	CPT	Phenanthrene	500.000	509.280	-1.9	114	0.00
14	CPT	Anthracene	500.000	447.843	10.4	97	0.00
15	CPT	Fluoranthene	500.000	465.396	6.9	102	0.00
16	I	Chrysene-d12	1000.000	1000.000	0.0	116	0.00
17	CPT	Pyrene	500.000	442.047	11.6	102	0.00
18	S	SURRTerphenyl-d14	50.000	46.612	6.8	108	0.00
19	CPT	B[a]anthracen	500.000	556.020	-11.2	132	0.00
20	CPT	Chrysene	500.000	440.051	12.0	108	0.00
21	I	Perylene-d12	1000.000	1000.000	0.0	139	0.00
22	CPT	B[b]fluoranth	500.000	583.731	-16.7	150	0.00
23	CPT	B[k]fluoranth	500.000	407.651	18.5	125	0.00
24	CPT	Benz[a]pyrene	500.000	482.271	3.5	146	0.00
25	CPT	Indeno-pyrene	500.000	567.594	-13.5	172	0.00
26	CPT	Dib[ah]anthr	500.000	588.614	-17.7	179	0.00
27	CPT	B[ghi]perylen	500.000	549.601	-9.9	167	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File : C:\INSTARCH\DATA\2S082313\2CCV22.D Vial: 2
Acq On : 23 Aug 2013 9:11 Operator: RPN
Sample : CCV 500 ng/mL SVMS5723 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 12:55:12 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 12:55:08 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	14Diclbenzd4	1.000	1.000	0.0	104	0.00
2	I	Naphthalened8	1.000	1.000	0.0	101	0.00
3	S	SURRNitrbenzened5	2.791	2.242	19.7	81	0.00
4	CPT	Naphthalene	0.881	0.856	2.8	100	0.00
5	CPT	2Methylnaphth	0.518	0.588	-13.5	110	0.00
6	TM	1Methylnaphth	0.671	0.618	7.9	95	0.00
7	I	Acenaphthened10	1.000	1.000	0.0	98	0.00
8	S	SURR2Flbiphenyl	11.453	11.210	2.1	104	0.00
9	CPT	Acnaphthylene	1.293	1.326	-2.6	102	0.00
10	CPT	Acenaphthene	0.973	0.937	3.7	95	0.00
11	CPT	Fluorene	1.068	1.105	-3.5	103	0.00
12	I	Phenanthrd10	1.000	1.000	0.0	105	0.00
13	CPT	Phenanthrene	0.852	0.867	-1.8	114	0.00
14	CPT	Anthracene	0.991	0.888	10.4	97	0.00
15	CPT	Fluoranthene	1.127	1.049	6.9	102	0.00
16	I	Chrysene-d12	1.000	1.000	0.0	116	0.00
17	CPT	Pyrene	1.277	1.129	11.6	102	0.00
18	S	SURRTerphenyl-d14	6.676	6.224	6.8	108	0.00
19	CPT	B[a]anthracen	0.788	0.876	-11.2	132	0.00
20	CPT	Chrysene	1.216	1.071	11.9	108	0.00
21	I	Perylene-d12	1.000	1.000	0.0	139	0.00
22	CPT	B[b]fluoranth	0.951	1.110	-16.7	150	0.00
23	CPT	B[k]fluoranth	1.372	1.118	18.5	125	0.00
24	CPT	Benz[a]pyrene	1.021	0.985	3.5	146	0.00
25	CPT	Indeno-pyrene	0.739	0.838	-13.4	172#	0.00
26	CPT	Dib[ah]anthr	0.530	0.623	-17.5	179#	0.00
27	CPT	B[ghi]perylen	0.729	0.801	-9.9	167#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082313\2CCV22.D Vial: 2
Acq On : 23 Aug 2013 9:11 Operator: RPN
Sample : CCV 500 ng/mL SVMS5723 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 12:55:12 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 12:55:08 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

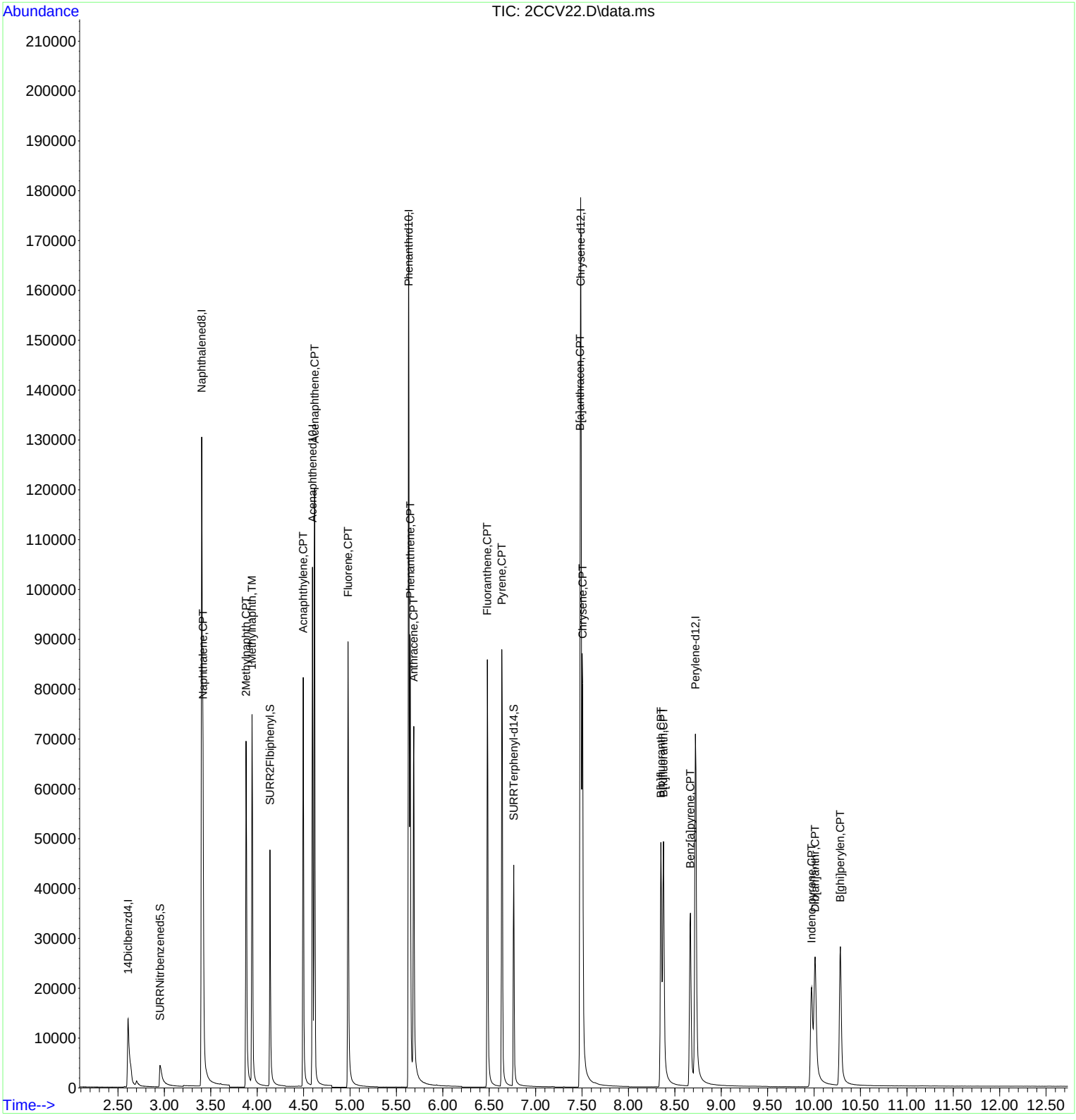
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.609	152	23599	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	106098	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	64976	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	120732	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	114662	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	93692	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.954	82	11894	40.17	%REC	0.00
Spiked Amount 100.000			Recovery = 40.17%			
8) SURR2Flbiphenyl	4.137	172	36419	48.94	%REC	0.00
Spiked Amount 100.000			Recovery = 48.94%			
18) SURRTerphenyl-d14	6.765	244	35680	46.61	ng/mL	0.00
Spiked Amount 100.000			Recovery = 46.61%			
Target Compounds						Qvalue
4) Naphthalene	3.417	128	45427	485.9083	ng/mL	99
5) 2Methylnaphth	3.880	142	31206	567.7347	ng/mL	96
6) 1Methylnaphth	3.944	142	32802	460.6499	ng/mL	93
9) Acnaphthylene	4.496	152	43087	512.9910	ng/mL	97
10) Acenaphthene	4.619	154	30446	481.7224	ng/mL	90
11) Fluorene	4.979	166	35901	517.2210	ng/mL	75
13) Phenanthrene	5.649	178	52365	509.2803	ng/mL	96
14) Anthracene	5.687	178	53587	447.8428	ng/mL	99
15) Fluoranthene	6.480	202	63349	465.3956	ng/mL	95
17) Pyrene	6.636	202	64736	442.0467	ng/mL	94
19) B[a]anthracen	7.480	228	50227	556.0201	ng/mL	93
20) Chrysene	7.507	228	61376	440.0512	ng/mL	94
22) B[b]fluoranth	8.350	252	52021	583.7314	ng/mL	99
23) B[k]fluoranth	8.377	252	52387	407.6512	ng/mL	99
24) Benz[a]pyrene	8.668	252	46148	482.2710	ng/mL	97
25) Indeno-pyrene	9.974	276	39278	567.5942	ng/mL	99
26) Dib[ah]anthr	10.011	278	29204	588.6142	ng/mL	100
27) B[ghi]perylen	10.283	276	37521	549.6005	ng/mL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082313\2CCV22.D Vial: 2
Acq On : 23 Aug 2013 9:11 Operator: RPN
Sample : CCV 500 ng/mL SVMS5723 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 12:55:12 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 12:55:08 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



SEMI - VOLATILE ORGANIC ANALYSIS
QUALITY CONTROL
DOCUMENTS

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1MRL07.D Vial: 3
Acq On : 22 Aug 2013 16:02 Operator: RPN
Sample : MRL 1/5ug/ml SVMS5799 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 12:41:24 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 12:41:19 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.718	152	164423	20.00	ug/mL	0.00
21) Naphthalened8	4.094	136	584274	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	456855	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	696573	20.00	ug/mL	0.00
75) Chrysene-d12	8.717	240	331778	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	315132	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.889	112	8793	1.96	%REC	0.00
Spiked Amount 100.000	Range 20 - 110		Recovery = 1.96%#			
7) SURRPhenol-d5	2.474	99	11732	2.45	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 2.45%#			
22) SURRNitrbenzened5	3.267	82	8981	5.30	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 5.30%#			
44) SURR2Flbiphenyl	5.693	172	35827	5.97	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 5.97%#			
62) SURR246Tribrphenl	6.858	330	4417	2.92	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 2.92%#			
78) SURRTerphenyl-d14	8.214	244	20144	6.09	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 6.09%#			
Target Compounds						Qvalue
2) Ntrsdimeth	1.300	74	5522	0.9225	ug/mL	94
3) Pyridine	1.337	79	7473	0.6653	ug/mL	80
5) Aniline	2.471	93	14683	0.9981	ug/mL#	1
6) bis2Clethletr	2.531	93	11310	1.1367	ug/mL#	79
8) Phenol	2.482	94	64301	4.5823	ug/mL	99
9) 2-Cl-phenol	2.548	128	58431	4.8860	ug/mL	95
10) 13Diclbenz	2.664	146	15010	1.0767	ug/mL	86
11) 14Diclbenz	2.735	146	14677	1.1129	ug/mL	94
12) 12Diclbenz	2.860	146	13756	1.0535	ug/mL	93
13) Benzyl alcoho	0.000		0	N.D.		
14) bis2clispreth	3.018	45	17901	1.0693	ug/mL#	37
15) 2Methylphenol	3.008	107	42496	5.3426	ug/mL	88
16) Ntrspyrrol	3.113	100	4349	1.0157	ug/mL	69
17) Acetophenone	3.122	105	12192	0.9534	ug/mL	90
18) Hexaclethane	3.179	117	5175	1.0412	ug/mL	81
19) N-Ntrsdinprop	3.147	70	5950	1.0253	ug/mL	95
20) 3&4Methylphenol	3.181	107	92746	9.6638	ug/mL	97
23) Nitrobenzene	3.287	77	8322	1.0098	ug/mL	92
24) Isophorone	3.576	82	16417	1.0412	ug/mL	95
25) 2-Nitrophenol	3.650	139	29545	5.0787	ug/mL	94
26) 24Dimthpheno	3.790	122	47481	5.8241	ug/mL	98
27) bis2clethoxym	3.906	93	11665	1.0506	ug/mL	92
28) 24Diclphenol	3.971	162	47948	5.2020	ug/mL	95
29) 124Triclbenz	4.045	180	12313	1.1886	ug/mL	85
30) Benzoic acid	3.969	122	22505	4.9342	ug/mL	90
31) Naphthalene	4.119	128	31092	1.1060	ug/mL	95
32) 4-Cl-aniline	4.273	127	12119	1.0211	ug/mL	90
33) 26Diclphenol	4.258	162	45808	6.0825	ug/mL	92
34) Hexaclprop	4.247	213	6377	1.0228	ug/mL	95
35) Hexaclbutdien	4.335	225	6277	1.1380	ug/mL	94
36) 4Cl3methylphe	5.080	107	50058	4.8783	ug/mL	96
37) 2Methylnaphth	5.119	142	73166	2.5657	ug/mL	88
38) 1Methylnaphth	5.270	141	28981	1.1467	ug/mL	99
40) Hxclcycpentdi	5.392	237	5463	0.8179	ug/mL	92

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1MRL07.D Vial: 3
Acq On : 22 Aug 2013 16:02 Operator: RPN
Sample : MRL 1/5ug/ml SVMS5799 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 12:41:24 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 12:41:19 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

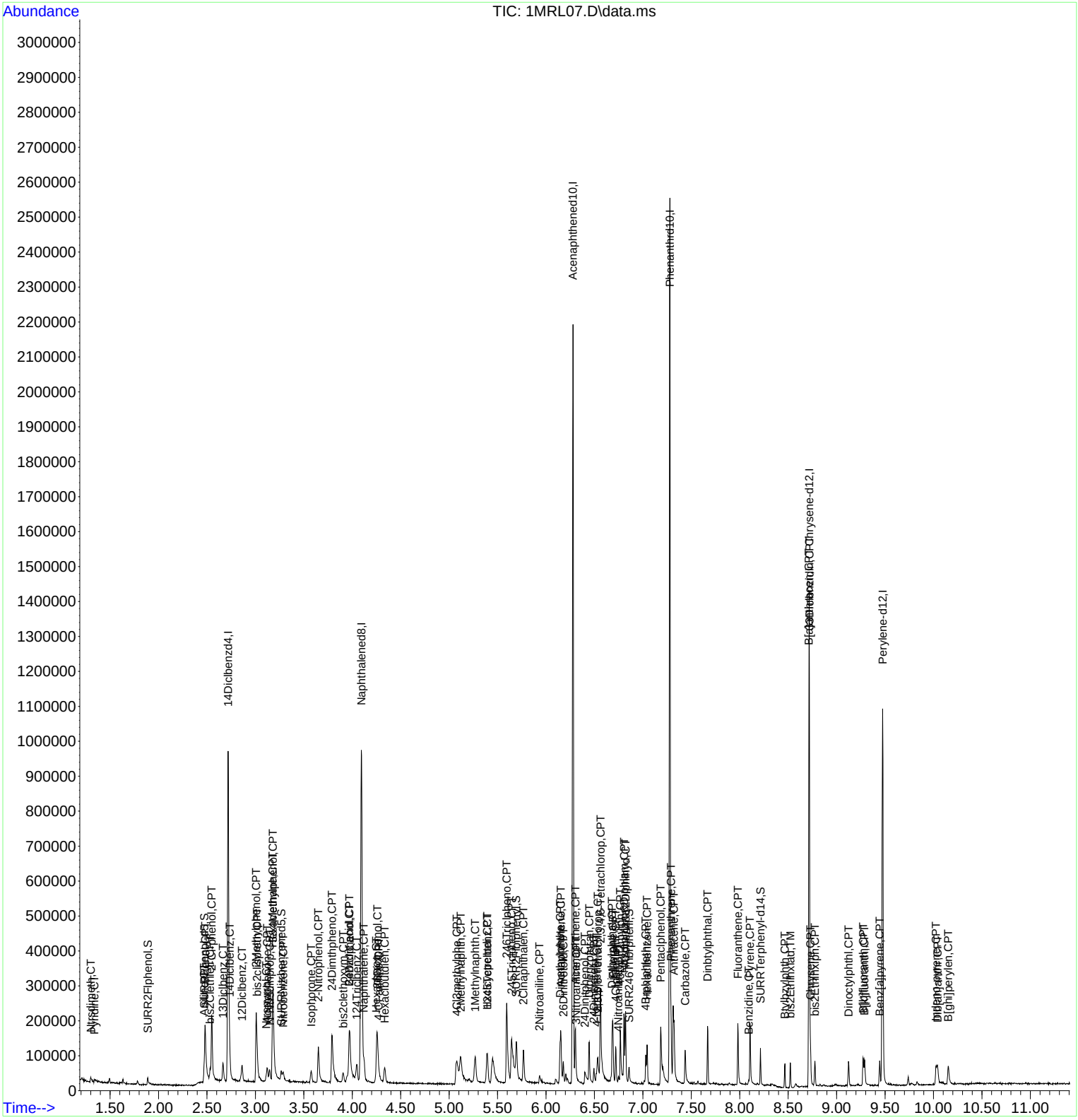
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1245Tetrclbenz	5.395	216	17399	1.2382 ug/mL	96
42) 246Triclpheno	5.594	196	46373	5.1597 ug/mL	93
43) 245Triclpheno	5.645	196	51150	5.2053 ug/mL	93
45) 2Clnaphthalen	5.767	162	31617	1.1665 ug/mL	94
46) 2Nitroaniline	5.932	65	5062	0.9463 ug/mL#	68
47) Acnaphthylene	6.154	152	50712	0.8800 ug/mL	98
48) Dimethylphtha	6.145	163	34790	0.9046 ug/mL	97
49) 26Dinitrotolu	6.179	165	7297	1.0939 ug/mL#	76
50) Acenaphthene	6.304	154	27206	0.9385 ug/mL	95
51) 3Nitroaniline	6.313	138	7154	1.1538 ug/mL	90
52) 24Dinitphenol	6.401	184	13692	5.4467 ug/mL	80
53) Dibenzofuran	6.446	168	43381	1.2428 ug/mL	96
54) 24Dinitrotolu	6.495	165	9295	1.1105 ug/mL	99
55) 4-Nitrophenol	6.523	139	26251	5.5186 ug/mL	85
56) 2,3,5,6-Tetrachlorop	6.534	232	6903	1.0532 ug/mL	93
57) 2,3,4,6-Tetrachlorop	6.563	232	43717	5.5972 ug/mL	97
58) Fluorene	6.691	166	34022	0.9425 ug/mL	99
59) 4Clphlphlethr	6.719	204	16303	0.9623 ug/mL	97
60) Diethylphthal	6.682	149	34572	0.9550 ug/mL	98
61) 4Nitroaniline	6.747	138	6901	1.1220 ug/mL	89
64) 46Dinit2mylph	6.767	198	24610	5.1547 ug/mL	98
65) Ntrsdiphlam&Diphlam	6.807	169	40829	1.8737 ug/mL	98
66) Azobenz&12Diphlhyd	6.821	182	15157	2.0315 ug/mL#	80
67) 4Brphlphlethr	7.029	248	9422	1.2105 ug/mL	91
68) Hexaclbenzene	7.043	284	11512	1.4053 ug/mL	89
69) Pentaclphenol	7.185	266	28385	5.5039 ug/mL	96
70) Phenanthrene	7.290	178	43668	1.2235 ug/mL	100
71) Anthracene	7.321	178	48931	1.3198 ug/mL	97
72) Carbazole	7.438	167	45866	1.3099 ug/mL	95
73) Dinbtylphthal	7.668	149	65125	1.3684 ug/mL	98
74) Fluoranthene	7.981	202	54257	1.2932 ug/mL	98
76) Benzidine	8.094	184	8481	0.6939 ug/mL	82
77) Pyrene	8.106	202	53611	1.2837 ug/mL	97
79) Btylbzylphth	8.467	149	11777	1.0071 ug/mL	99
80) bis2Ethlhxlad	8.523	129	9809	1.0303 ug/mL	99
81) 33Diclbnzidin	8.719	252	6565	1.3010 ug/mL	97
82) B[a]anthracen	8.714	228	21272	1.1291 ug/mL	94
83) Chrysene	8.731	228	20469	1.1710 ug/mL	93
84) bis2Ethlhxlph	8.776	149	16691	1.0709 ug/mL	93
85) Dinoctylphthl	9.123	149	29585	1.0213 ug/mL	97
87) B[b]fluoranth	9.274	252	20205	1.1269 ug/mL	94
88) B[k]fluoranth	9.288	252	20156	1.2188 ug/mL	98
89) Benz[a]pyrene	9.444	252	21248	1.2123 ug/mL	91
90) Indeno-pyrene	10.027	276	22272	1.1553 ug/mL	92
91) Dib[ah]anthr	10.044	278	17111	1.1944 ug/mL	95
92) B[ghi]perylen	10.152	276	20594	1.1960 ug/mL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1MRL07.D Vial: 3
Acq On : 22 Aug 2013 16:02 Operator: RPN
Sample : MRL 1/5ug/ml SVMS5799 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 12:41:24 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 12:41:19 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1MDL07.D Vial: 4
Acq On : 22 Aug 2013 16:20 Operator: RPN
Sample : MDL 0.5/2.5ug/ml SVMS5798 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:53:01 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.718	152	171329	20.00	ug/mL	0.00
21) Naphthalened8	4.094	136	605828	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	490825	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	772153	20.00	ug/mL	0.00
75) Chrysene-d12	8.717	240	353968	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	330128	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.900	112	3927	0.84	%REC	0.02
Spiked Amount 100.000	Range 20 - 110		Recovery = 0.84%#			
7) SURRPhenol-d5	2.477	99	6548	1.31	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 1.31%#			
22) SURRNitrbenzened5	3.270	82	4509	2.57	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 2.57%#			
44) SURR2Flbiphenyl	5.696	172	19783	3.07	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 3.07%#			
62) SURR246Tribrphenl	6.861	330	2177	1.34	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 1.34%#			
78) SURRTerphenyl-d14	8.214	244	11241	3.18	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 3.18%#			
Target Compounds						Qvalue
2) Ntrsdimeth	1.309	74	2429	0.3894	ug/mL	86
3) Pyridine	1.372	79	3999	0.3416	ug/mL	83
5) Aniline	2.471	93	7203	0.4699	ug/mL#	1
6) bis2Clethletr	2.534	93	5556	0.5359	ug/mL	86
8) Phenol	2.485	94	32324	2.2107	ug/mL	97
9) 2-Cl-phenol	2.551	128	33647	2.7002	ug/mL	96
10) 13Diclbenz	2.667	146	7699	0.5300	ug/mL	94
11) 14Diclbenz	2.733	146	7093	0.5162	ug/mL	91
12) 12Diclbenz	2.863	146	7003	0.5147	ug/mL	89
13) Benzyl alcoho	0.000		0	N.D.		
14) bis2clispreth	3.018	45	10159	0.5824	ug/mL#	43
15) 2Methylphenol	3.011	107	20666	2.4934	ug/mL	85
16) Ntrspyrrol	3.116	100	1977	0.4431	ug/mL	85
17) Acetophenone	3.128	105	5900	0.4428	ug/mL	85
18) Hexaclethane	3.179	117	2660	0.5136	ug/mL	94
19) N-Ntrsdinprop	3.150	70	2887	0.4774	ug/mL	78
20) 3&4Methylphenol	3.182	107	48886	4.8884	ug/mL	98
23) Nitrobenzene	3.289	77	2985	0.3493	ug/mL	99
24) Isophorone	3.579	82	7433	0.4546	ug/mL	97
25) 2-Nitrophenol	3.656	139	13975	2.3168	ug/mL	88
26) 24Dimthpheno	3.795	122	23927	2.8305	ug/mL	94
27) bis2clethoxym	3.906	93	5753	0.4997	ug/mL	83
28) 24Diclphenol	3.977	162	25314	2.6487	ug/mL	98
29) 124Triclbenz	4.051	180	6415	0.5972	ug/mL	87
30) Benzoic acid	3.952	122	10467	2.2133	ug/mL	93
31) Naphthalene	4.119	128	17095	0.5865	ug/mL	95
32) 4-Cl-aniline	4.278	127	5957	0.4841	ug/mL	89
33) 26Diclphenol	4.258	162	24124	3.0893	ug/mL	93
34) Hexaclprop	4.253	213	3102	0.4798	ug/mL	76
35) Hexaclbutdien	4.335	225	3443	0.6020	ug/mL	87
36) 4Cl3methylphe	5.085	107	26810	2.5198	ug/mL	94
37) 2Methylnaphth	5.122	142	22518	0.7616	ug/mL	73
38) 1Methylnaphth	5.270	141	16166	0.6169	ug/mL	86
40) Hxclcycpentdi	5.392	237	1899	0.2646	ug/mL	82

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1MDL07.D Vial: 4
Acq On : 22 Aug 2013 16:20 Operator: RPN
Sample : MDL 0.5/2.5ug/ml SVMS5798 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:53:01 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

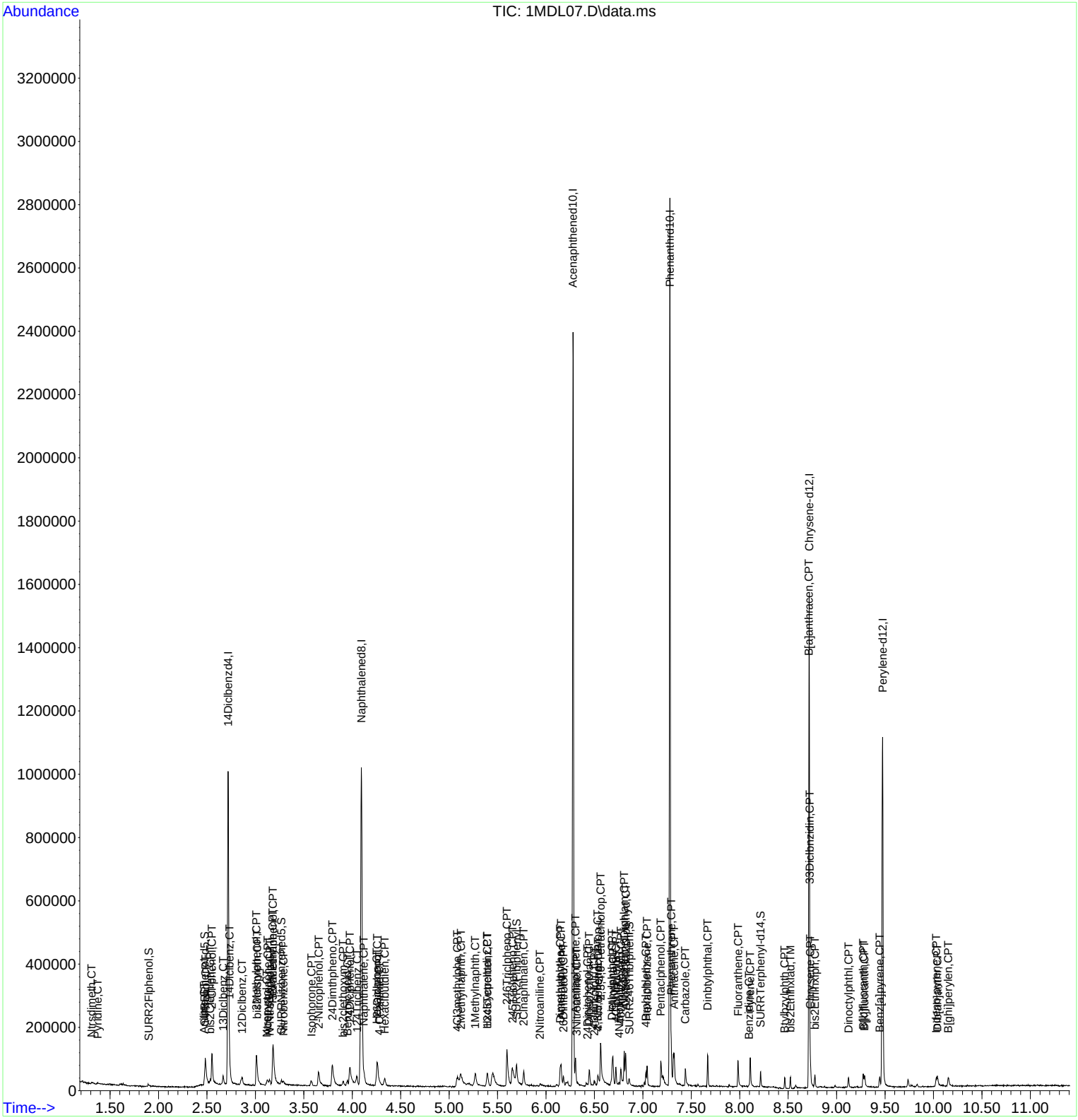
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1245Tetrclbenz	5.395	216	8783	0.5818 ug/mL	91
42) 246Triclpheno	5.597	196	24805	2.5689 ug/mL	97
43) 245Triclpheno	5.654	196	25916	2.4548 ug/mL	99
45) 2Clnaphthalen	5.770	162	16387	0.5628 ug/mL	90
46) 2Nitroaniline	5.938	65	2077	0.3614 ug/mL#	79
47) Acnaphthylene	6.157	152	27205	0.2884 ug/mL	95
48) Dimethylphtha	6.145	163	19044	0.3316 ug/mL	94
49) 26Dinitrotolu	6.182	165	3669	0.5120 ug/mL	94
50) Acenaphthene	6.304	154	15221	0.4015 ug/mL	94
51) 3Nitroaniline	6.316	138	3015	0.4526 ug/mL	86
52) 24Dinitphenol	6.429	184	4381	3.5857 ug/mL	78
53) Dibenzofuran	6.446	168	20500	0.5466 ug/mL	95
54) 24Dinitrotolu	6.497	165	4398	0.4891 ug/mL	85
55) 4-Nitrophenol	6.537	139	12027	2.3534 ug/mL#	74
56) 2,3,5,6-Tetrachlorop	6.534	232	3260	0.4629 ug/mL	94
57) 2,3,4,6-Tetrachlorop	6.566	232	23592	2.8115 ug/mL	97
58) Fluorene	6.691	166	19109	0.3809 ug/mL	98
59) 4Clphlphlethr	6.722	204	8985	0.4233 ug/mL	92
60) Diethylphthal	6.682	149	18298	0.3583 ug/mL	99
61) 4Nitroaniline	6.756	138	2724	0.4122 ug/mL	99
64) 46Dinit2mylph	6.773	198	10835	2.0473 ug/mL	85
65) Ntrsdiphlam&Diphlam	6.807	169	22676	0.6385 ug/mL	93
66) Azobenz&12Diphlhyd	6.824	182	8353	0.6891 ug/mL#	60
67) 4Brphlphlethr	7.032	248	5323	0.6170 ug/mL	94
68) Hexaclbenzene	7.043	284	5869	0.6463 ug/mL	87
69) Pentaclphenol	7.185	266	13173	2.3043 ug/mL	97
70) Phenanthrene	7.293	178	25438	0.6430 ug/mL	93
71) Anthracene	7.324	178	26305	0.6401 ug/mL	99
72) Carbazole	7.438	167	24787	0.6386 ug/mL	98
73) Dinbtylphthal	7.668	149	38100	0.7222 ug/mL	99
74) Fluoranthene	7.984	202	29497	0.6342 ug/mL	97
76) Benzidine	8.097	184	4971	0.3812 ug/mL	93
77) Pyrene	8.109	202	28158	0.6320 ug/mL	99
79) Btylbzylphth	8.464	149	6053	0.4851 ug/mL	91
80) bis2Ethlhxlad	8.523	129	4791	0.4717 ug/mL#	87
81) 33Diclbnzidin	8.722	252	3556	0.6605 ug/mL	80
82) B[a]anthracen	8.714	228	11940	0.5940 ug/mL	88
83) Chrysene	8.728	228	11912	0.6388 ug/mL	98
84) bis2Ethlhxlph	8.776	149	8712	0.5239 ug/mL	93
85) Dinoctylphthl	9.123	149	13794	0.4463 ug/mL	93
87) B[b]fluoranth	9.274	252	8744	0.4655 ug/mL	95
88) B[k]fluoranth	9.288	252	11671	0.6736 ug/mL	95
89) Benz[a]pyrene	9.444	252	10154	0.5530 ug/mL	97
90) Indeno-pyrene	10.029	276	12085	0.5984 ug/mL	89
91) Dib[ah]anthr	10.041	278	8606	0.5734 ug/mL	87
92) B[ghi]perylen	10.152	276	11658	0.6463 ug/mL	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1MDL07.D Vial: 4
Acq On : 22 Aug 2013 16:20 Operator: RPN
Sample : MDL 0.5/2.5ug/ml SVMS5798 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:53:01 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1MBS03.D Vial: 12
Acq On : 22 Aug 2013 16:39 Operator: RPN
Sample : 97038,MBS, Inst : SVMS1
Misc : 338949,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 11:28:55 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 11:25:52 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

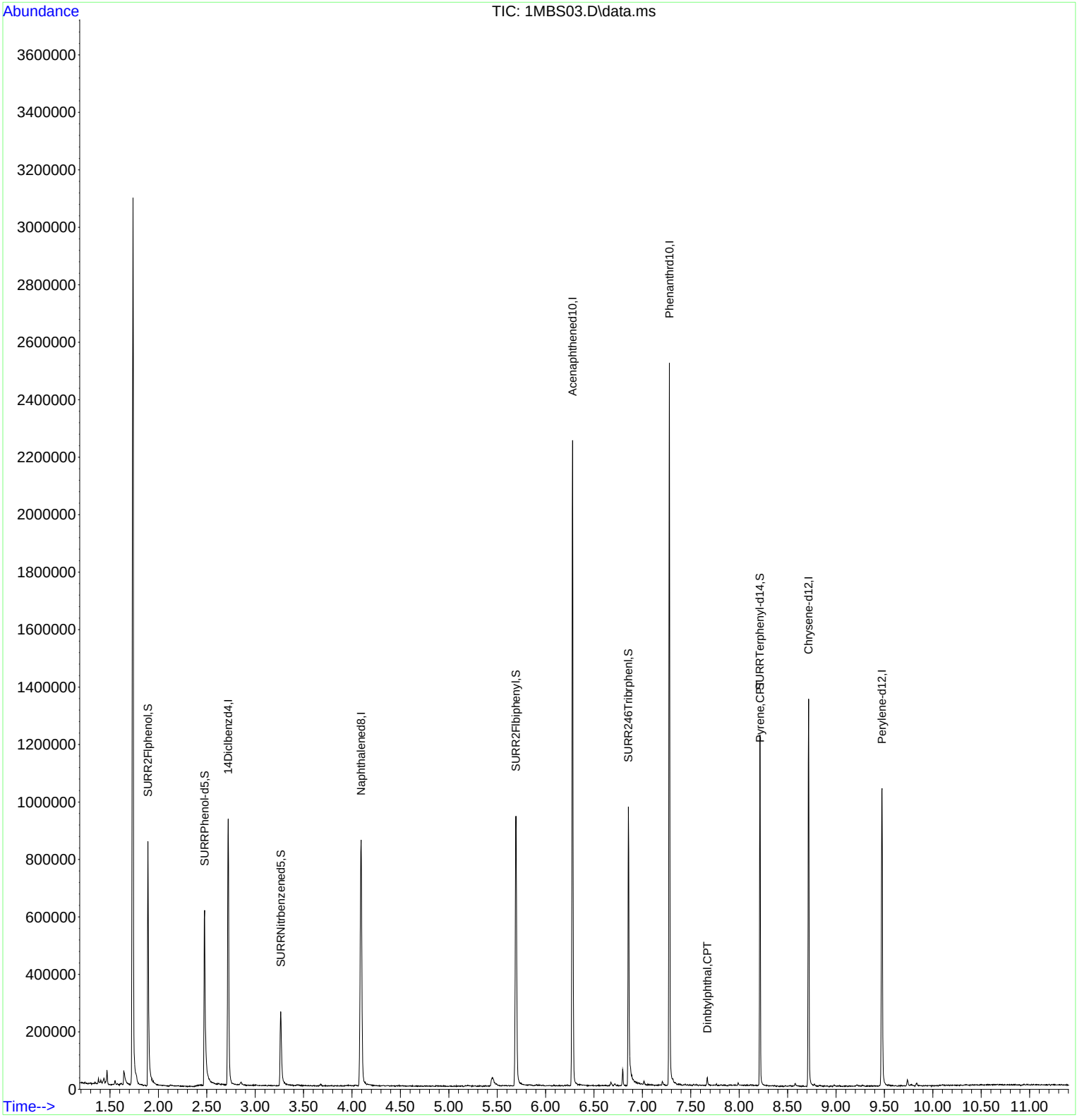
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	155510	20.00	ug/mL	0.00
21) Naphthalened8	4.094	136	568313	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	454034	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	711966	20.00	ug/mL	0.00
75) Chrysene-d12	8.717	240	328459	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	299879	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.892	112	230832	54.45	%REC	0.01
Spiked Amount 100.000	Range 20 - 110		Recovery = 54.45%			
7) SURRPhenol-d5	2.477	99	259790	57.45	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 57.45%			
22) SURRNitrbenzened5	3.264	82	99469	60.39	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 60.39%			
44) SURR2Flbiphenyl	5.693	172	370563	62.08	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 62.08%			
62) SURR246Tribrphenl	6.856	330	107235	71.37	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 71.37%			
78) SURRTerphenyl-d14	8.214	244	248524	75.87	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 75.87%			
Target Compounds						Qvalue
60) Diethylphthal	6.685	149	776	Below Cal		68
65) Ntrsdiphlam&Diphlam	6.856	169	3496	Below Cal #		25
73) Dinbtylphthal	7.671	149	8014	0.1647	ug/mL	99
77) Pyrene	8.217	202	936	0.0226	ug/mL	80

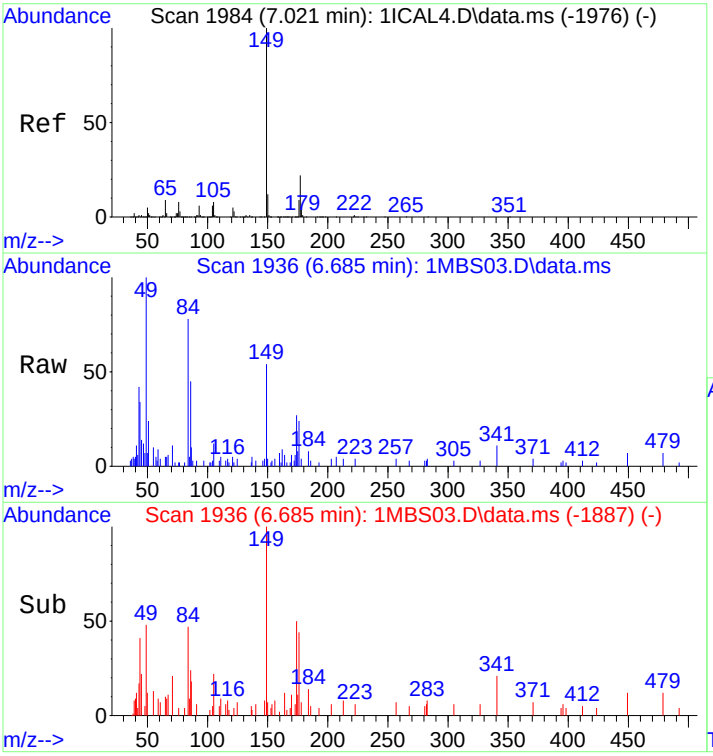
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1MBS03.D Vial: 12
Acq On : 22 Aug 2013 16:39 Operator: RPN
Sample : 97038,MBS, Inst : SVMS1
Misc : 338949,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 11:28:55 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 11:25:52 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

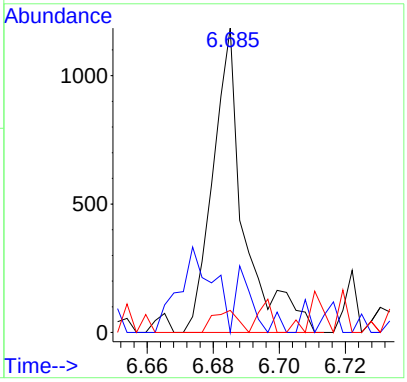


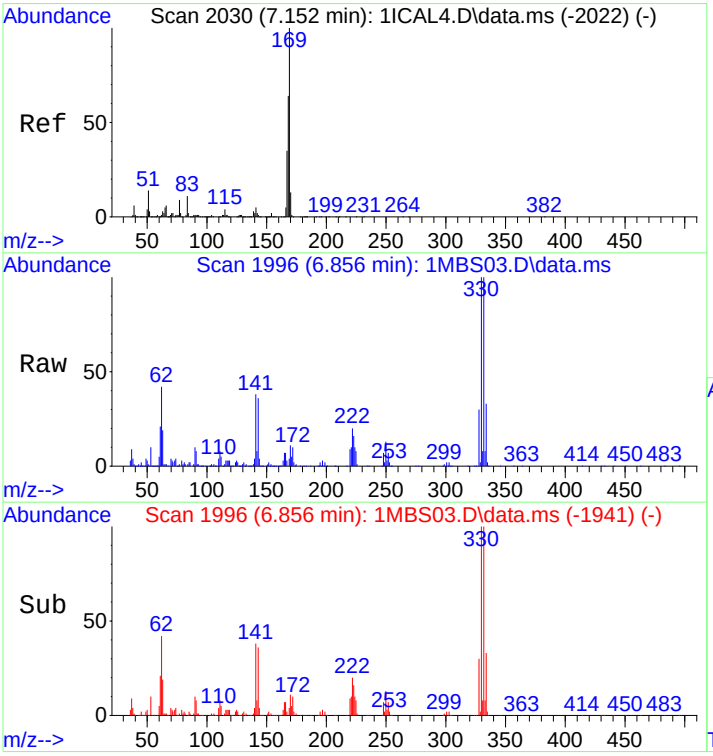


#60
Diethylphthal
Concen: Below ug/mL
RT: 6.685 min Scan# 1936
Delta R.T. -0.006 min
Lab File: 1MBS03.D
Acq: 22 Aug 13 4:39 pm

Tgt Ion:149 Resp: 776

Ion	Ratio	Lower	Upper
149	100		
177	0.0	0.0	49.9
150	7.3	0.0	42.4

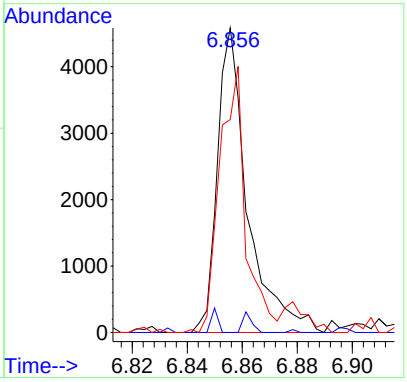


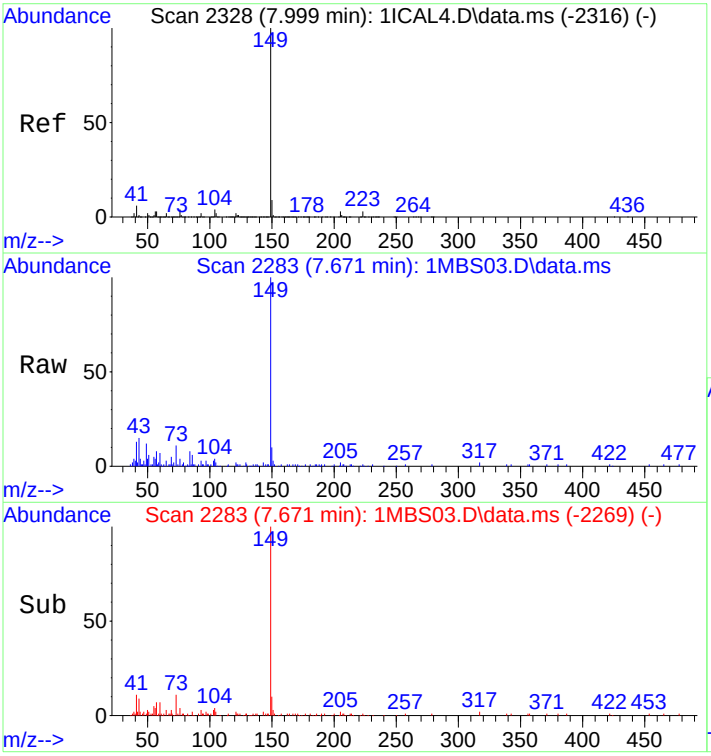


#65
Ntrsdiphlam&Diphlam
Concen: Below ug/mL
RT: 6.856 min Scan# 1996
Delta R.T. 0.043 min
Lab File: 1MBS03.D
Acq: 22 Aug 13 4:39 pm

Tgt Ion:169 Resp: 3496

Ion	Ratio	Lower	Upper
169	100		
168	0.0	34.5	94.5#
167	69.9	4.6	64.6#

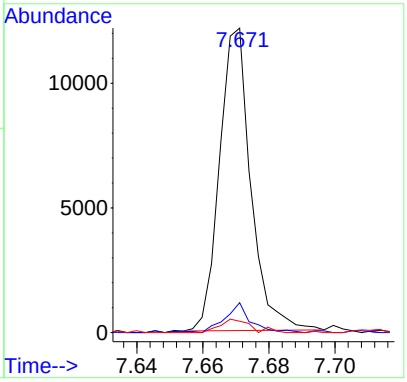


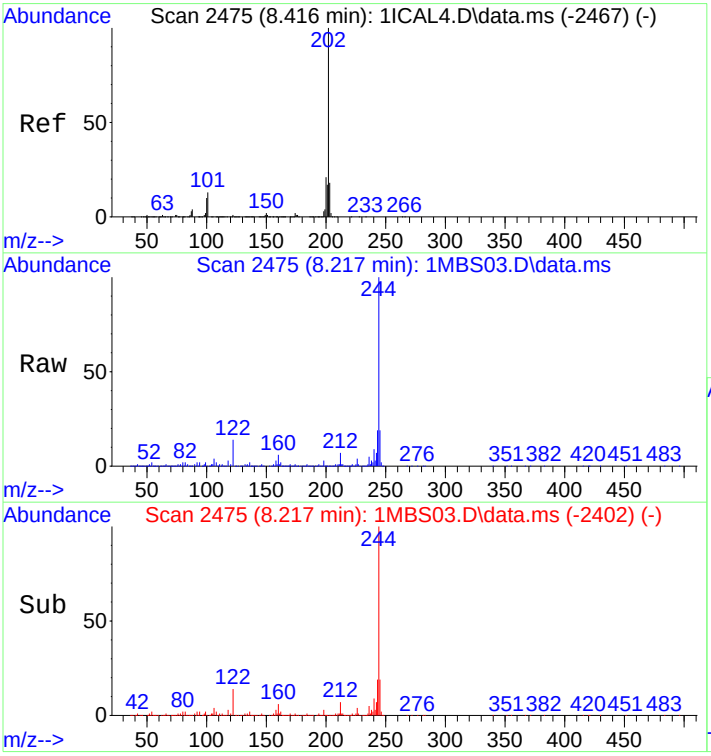


#73
Dinbtylphthal
Concen: 0.16 ug/mL
RT: 7.671 min Scan# 2283
Delta R.T. 0.000 min
Lab File: 1MBS03.D
Acq: 22 Aug 13 4:39 pm

Tgt Ion:149 Resp: 8014

Ion	Ratio	Lower	Upper
149	100		
150	9.6	0.0	39.4
104	3.7	0.0	33.5

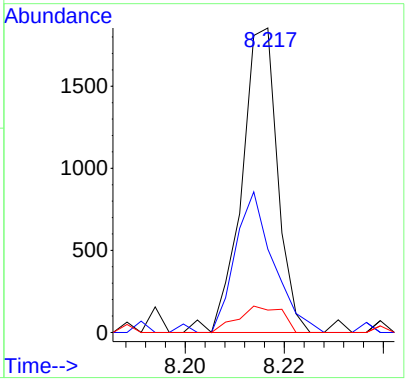




#77
Pyrene
Concen: 0.02 ug/mL
RT: 8.217 min Scan# 2475
Delta R.T. 0.108 min
Lab File: 1MBS03.D
Acq: 22 Aug 13 4:39 pm

Tgt Ion:202 Resp: 936

Ion	Ratio	Lower	Upper
202	100		
200	27.4	0.0	50.3
203	7.3	0.0	48.5



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1LCSS03.D Vial: 13
Acq On : 22 Aug 2013 16:57 Operator: RPN
Sample : 97038,LCSS, Inst : SVMS1
Misc : 338950,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 11:26:05 2013

RPN 08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 11:25:52 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	146747	20.00	ug/mL	0.00
21) Naphthalened8	4.097	136	537464	20.00	ug/mL	0.00
39) Acenaphthened10	6.282	164	422124	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	625655	20.00	ug/mL	0.00
75) Chrysene-d12	8.720	240	281519	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	275868	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.894	112	225447	56.36	%REC	0.01
Spiked Amount 100.000	Range 20 - 110		Recovery = 56.36%			
7) SURRPhenol-d5	2.477	99	258799	60.65	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 60.65%			
22) SURRNitrbenzened5	3.267	82	96093	61.69	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 61.69%			
44) SURR2Flbiphenyl	5.693	172	364628	65.70	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 65.70%			
62) SURR246Tribrphenl	6.861	330	95195	68.15	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 68.15%			
78) SURRTerphenyl-d14	8.214	244	208568	74.29	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 74.29%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.315	74	61692	11.5474	ug/mL	94
3) Pyridine	1.326	79	52281	5.2147	ug/mL	97
5) Aniline	2.480	93	14408	1.0974	ug/mL#	1
6) bis2Clethletr	2.537	93	106386	11.9798	ug/mL	93
8) Phenol	2.488	94	142151	11.3504	ug/mL	98
9) 2-Cl-phenol	2.556	128	126652	11.8663	ug/mL	98
10) 13Diclbenz	2.667	146	143817	11.5593	ug/mL	97
11) 14Diclbenz	2.736	146	139974	11.8924	ug/mL	100
12) 12Diclbenz	2.861	146	138111	11.8512	ug/mL	98
13) Benzyl alcoho	2.906	108	24553	4.7735	ug/mL	95
14) bis2clispreth	3.017	45	175866	11.7707	ug/mL	87
15) 2Methylphenol	3.017	107	84483	11.9005	ug/mL	96
16) Ntrspyrrol	3.111	100	49964	13.0740	ug/mL	98
17) Acetophenone	3.122	105	146674	12.8510	ug/mL	97
18) Hexaclethane	3.179	117	53597	12.0830	ug/mL	95
19) N-Ntrsdinprop	3.150	70	62048	11.9803	ug/mL	99
20) 3&4Methylphenol	3.187	107	105555	12.3233	ug/mL	93
23) Nitrobenzene	3.287	77	88349	11.6542	ug/mL	97
24) Isophorone	3.577	82	176587	12.1751	ug/mL	99
25) 2-Nitrophenol	3.650	139	66163	12.3639	ug/mL	99
26) 24Dimthpheno	3.793	122	92966	12.3965	ug/mL	89
27) bis2clethoxym	3.906	93	124067	12.1474	ug/mL	96
28) 24Diclphenol	3.972	162	100902	11.9007	ug/mL	99
29) 124Triclbenz	4.045	180	116029	12.1757	ug/mL	96
30) Benzoic acid	3.949	122	8807	2.0991	ug/mL#	56
31) Naphthalene	4.122	128	324038	12.5307	ug/mL	98
32) 4-Cl-aniline	4.276	127	42261	3.8709	ug/mL	97
33) 26Diclphenol	4.259	162	97486	14.0719	ug/mL	98
34) Hexaclprop	4.247	213	64861	11.3093	ug/mL	98
35) Hexaclbutdien	4.335	225	63010	12.4181	ug/mL	93
36) 4Cl3methylphe	5.080	107	110834	11.7419	ug/mL	96
37) 2Methylnaphth	5.119	142	317435	12.1011	ug/mL	100
38) 1Methylnaphth	5.267	141	287619	12.3717	ug/mL	98
40) Hxclcycpentdi	5.389	237	56299	9.1220	ug/mL	94

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1LCSS03.D Vial: 13
Acq On : 22 Aug 2013 16:57 Operator: RPN
Sample : 97038,LCSS, Inst : SVMS1
Misc : 338950,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 11:26:05 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 11:25:52 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

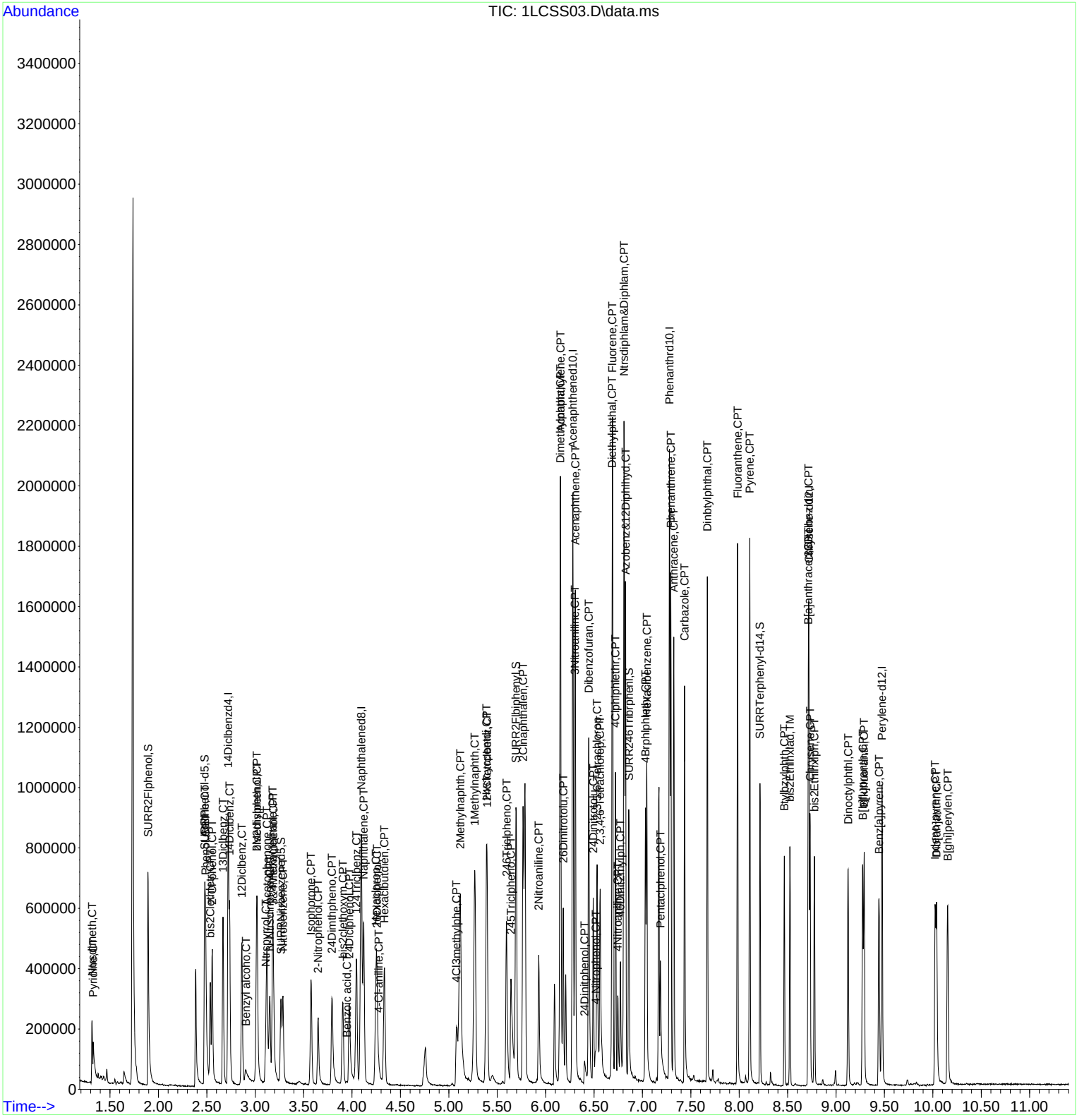
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1245Tetrclbenz	5.395	216	171488	13.2077 ug/mL	98
42) 246Triclpheno	5.597	196	107418	12.9353 ug/mL	97
43) 245Triclpheno	5.642	196	114457	12.6061 ug/mL	94
45) 2Clnaphthalen	5.767	162	325868	13.0124 ug/mL	99
46) 2Nitroaniline	5.929	65	65194	13.1897 ug/mL	95
47) Acnaphthylene	6.154	152	466981	12.4188 ug/mL	98
48) Dimethylphtha	6.151	163	340577	13.3534 ug/mL	100
49) 26Dinitrotolu	6.182	165	80553	13.0698 ug/mL	84
50) Acenaphthene	6.307	154	274829	13.0742 ug/mL	97
51) 3Nitroaniline	6.301	138	54213	9.4627 ug/mL	98
52) 24Dinitphenol	6.404	184	23843	7.8284 ug/mL	94
53) Dibenzofuran	6.446	168	439087	13.6137 ug/mL	100
54) 24Dinitrotolu	6.492	165	112392	14.5324 ug/mL	97
55) 4-Nitrophenol	6.520	139	56341	12.8188 ug/mL	84
56) 2,3,5,6-Tetrachlorop	6.532	232	85613	14.1362 ug/mL	99
57) 2,3,4,6-Tetrachlorop	6.563	232	101781	14.1034 ug/mL	97
58) Fluorene	6.691	166	330867	13.4213 ug/mL	98
59) 4Clphlphlethr	6.722	204	165421	13.1041 ug/mL	96
60) Diethylphthal	6.688	149	339860	13.6248 ug/mL	99
61) 4Nitroaniline	6.745	138	67032	11.7951 ug/mL	96
64) 46Dinit2mylph	6.773	198	54621	12.7374 ug/mL	93
65) Ntrsdiphlam&Diphlam	6.810	169	434393	32.8449 ug/mL	99
66) Azobenz&12Diphlhyd	6.827	182	139597	29.6002 ug/mL#	73
67) 4Brphlphlethr	7.032	248	100853	14.4264 ug/mL	96
68) Hexaclbenzene	7.046	284	106485	14.4725 ug/mL	97
69) Pentaclphenol	7.188	266	60708	13.1057 ug/mL	96
70) Phenanthrene	7.293	178	446364	13.9245 ug/mL	99
71) Anthracene	7.324	178	470695	14.1351 ug/mL	99
72) Carbazole	7.435	167	436331	13.8736 ug/mL	100
73) Dinbtylphthal	7.671	149	619040	14.4811 ug/mL	99
74) Fluoranthene	7.984	202	537025	14.2507 ug/mL	99
76) Benzidine	0.000		0	N.D.	
77) Pyrene	8.109	202	527608	14.8893 ug/mL	99
79) Btylbzylphth	8.467	149	132732	13.3763 ug/mL	96
80) bis2Ethlhxlad	8.524	129	106326	13.1618 ug/mL	100
81) 33Diclbnzidin	8.717	252	19350	4.5191 ug/mL	91
82) B[a]anthracen	8.714	228	207495	12.9797 ug/mL	99
83) Chrysene	8.734	228	199808	13.4716 ug/mL	99
84) bis2Ethlhxlph	8.776	149	181122	13.6958 ug/mL	96
85) Dinoctylphthl	9.126	149	327924	13.3412 ug/mL	99
87) B[b]fluoranth	9.277	252	206749	13.1728 ug/mL	99
88) B[k]fluoranth	9.291	252	200573	13.8540 ug/mL	98
89) Benz[a]pyrene	9.444	252	203583	13.2688 ug/mL	99
90) Indeno-pyrene	10.024	276	229531	13.6011 ug/mL	98
91) Dib[ah]anthr	10.038	278	178844	14.2601 ug/mL	98
92) B[ghi]perylen	10.155	276	201321	13.3555 ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1LCSS03.D Vial: 13
Acq On : 22 Aug 2013 16:57 Operator: RPN
Sample : 97038,LCSS, Inst : SVMS1
Misc : 338950,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 11:26:05 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 11:25:52 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337815MS.D Vial: 27
Acq On : 22 Aug 2013 21:14 Operator: RPN
Sample : 97038,MSS337815, Inst : SVMS1
Misc : 338952,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 12:05:34 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 12:05:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	152041	20.00	ug/mL	0.00
21) Naphthalened8	4.097	136	547108	20.00	ug/mL	0.00
39) Acenaphthened10	6.282	164	438356	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	637017	20.00	ug/mL	0.00
75) Chrysene-d12	8.720	240	291424	20.00	ug/mL	0.00
86) Perylene-d12	9.478	264	296798	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.894	112	253932	61.27	%REC	0.01
Spiked Amount 100.000	Range 20 - 110		Recovery = 61.27%			
7) SURRPhenol-d5	2.480	99	279364	63.19	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 63.19%			
22) SURRNitrbenzened5	3.267	82	107073	67.52	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 67.52%			
44) SURR2Flbiphenyl	5.693	172	390660	67.79	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 67.79%			
62) SURR246Tribrphenl	6.858	330	94089	64.86	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 64.86%			
78) SURRTerphenyl-d14	8.214	244	220266	75.79	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 75.79%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.318	74	67283	12.1555	ug/mL	94
3) Pyridine	1.332	79	53058	5.1079	ug/mL	98
5) Aniline	2.477	93	23465	1.7249	ug/mL#	1
6) bis2Clethletr	2.537	93	116949	12.7108	ug/mL	90
8) Phenol	2.491	94	150981	11.6356	ug/mL	97
9) 2-Cl-phenol	2.557	128	142220	12.8610	ug/mL	95
10) 13Diclbenz	2.667	146	156257	12.1219	ug/mL	94
11) 14Diclbenz	2.736	146	151186	12.3977	ug/mL	98
12) 12Diclbenz	2.863	146	149253	12.3613	ug/mL	98
13) Benzyl alcoho	2.951	108	2782	0.5220	ug/mL#	73
14) bis2clispreth	3.017	45	197027	12.7279	ug/mL	92
15) 2Methylphenol	3.020	107	92464	12.5712	ug/mL	99
16) Ntrspyrrol	3.113	100	53388	13.4835	ug/mL	96
17) Acetophenone	3.125	105	157442	13.3142	ug/mL	95
18) Hexaclethane	3.179	117	58462	12.7209	ug/mL	99
19) N-Ntrsdinprop	3.150	70	70005	13.0460	ug/mL	96
20) 3&4Methylphenol	3.187	107	122852	13.8433	ug/mL	98
23) Nitrobenzene	3.287	77	99830	12.9365	ug/mL	98
24) Isophorone	3.579	82	186601	12.6387	ug/mL	100
25) 2-Nitrophenol	3.648	139	71892	13.1976	ug/mL	97
26) 24Dimthpheno	3.795	122	102489	13.4254	ug/mL	97
27) bis2clethoxym	3.906	93	135455	13.0287	ug/mL	100
28) 24Diclphenol	3.972	162	116572	13.5065	ug/mL	97
29) 124Triclbenz	4.045	180	129023	13.3006	ug/mL	99
30) Benzoic acid	4.023	122	2031	0.4755	ug/mL#	19
31) Naphthalene	4.122	128	347496	13.2010	ug/mL	100
32) 4-Cl-aniline	4.270	127	51642	4.6468	ug/mL	94
33) 26Diclphenol	4.259	162	101869	14.4454	ug/mL	98
34) Hexaclprop	4.247	213	67073	11.4889	ug/mL	98
35) Hexaclbutdien	4.335	225	69336	13.4240	ug/mL	94
36) 4Cl3methylphe	5.094	107	122022	12.6993	ug/mL#	47
37) 2Methylnaphth	5.119	142	431594	16.1630	ug/mL	99
38) 1Methylnaphth	5.270	141	313565	13.2500	ug/mL	97
40) Hxclcycpentdi	5.389	237	50319	7.8512	ug/mL	96

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337815MS.D Vial: 27
Acq On : 22 Aug 2013 21:14 Operator: RPN
Sample : 97038,MSS337815, Inst : SVMS1
Misc : 338952,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 12:05:34 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 12:05:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

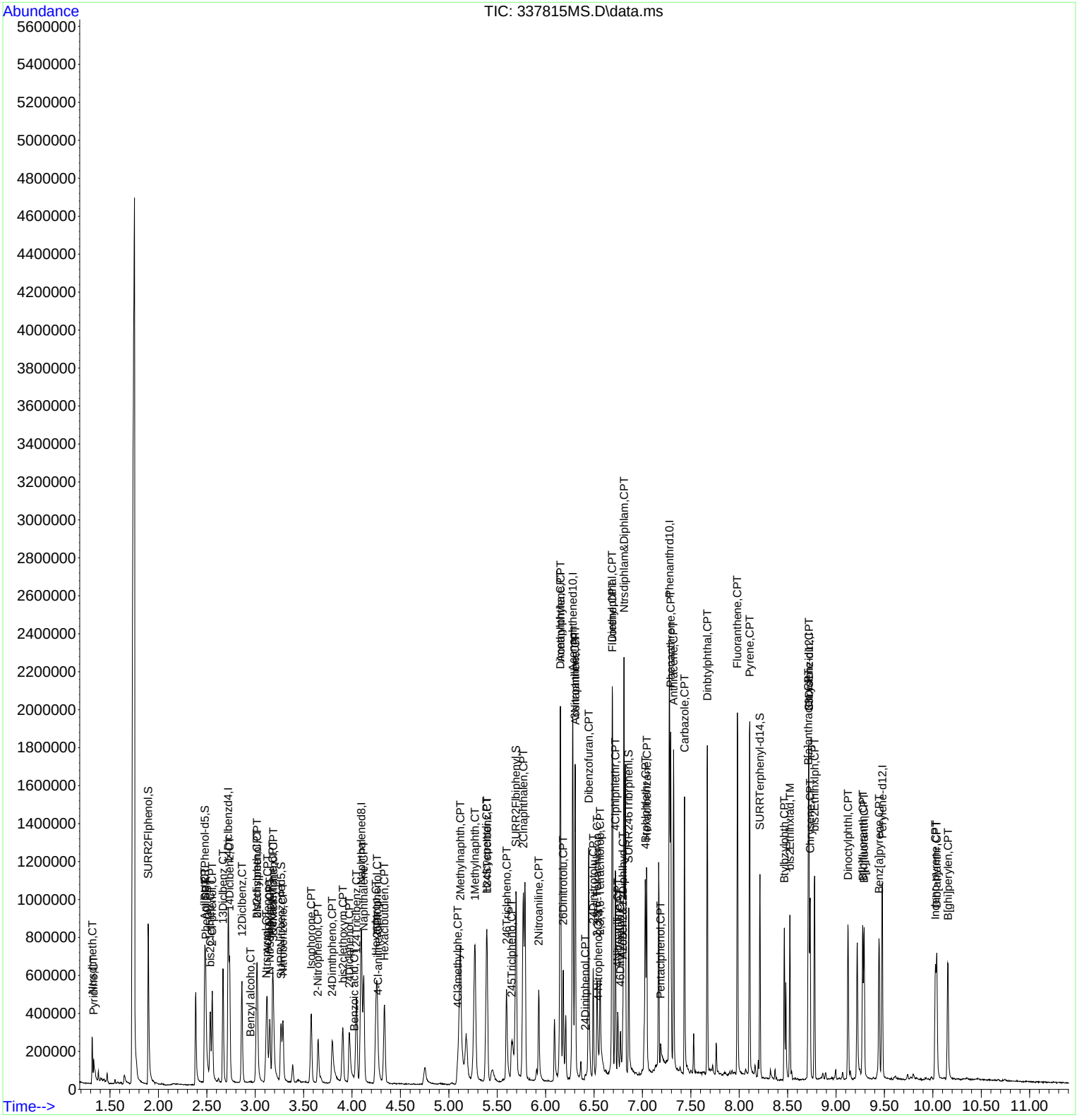
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1245Tetrclbenz	5.395	216	186754	13.8508	ug/mL	97
42) 246Triclpheno	5.597	196	109090	12.6502	ug/mL	100
43) 245Triclpheno	5.648	196	111860	11.8638	ug/mL	97
45) 2Clnaphthalen	5.770	162	347336	13.3561	ug/mL	98
46) 2Nitroaniline	5.929	65	70879	13.8089	ug/mL	99
47) Acnaphthylene	6.154	152	494714	12.7019	ug/mL	99
48) Dimethylphtha	6.151	163	335202	12.5566	ug/mL	99
49) 26Dinitrotolu	6.182	165	79778	12.4647	ug/mL	98
50) Acenaphthene	6.307	154	299786	13.8158	ug/mL	99
51) 3Nitroaniline	6.304	138	55820	9.3824	ug/mL	91
52) 24Dinitphenol	6.410	184	8662	4.5406	ug/mL	87
53) Dibenzofuran	6.446	168	470533	14.0485	ug/mL	98
54) 24Dinitrotolu	6.492	165	111339	13.8632	ug/mL	98
55) 4-Nitrophenol	6.543	139	46703	10.2324	ug/mL	87
56) 2,3,5,6-Tetrachlorop	6.532	232	63973	10.1719	ug/mL	99
57) 2,3,4,6-Tetrachlorop	6.563	232	90604	12.0898	ug/mL	96
58) Fluorene	6.691	166	342485	13.3716	ug/mL	97
59) 4Clphlphlethr	6.722	204	170231	12.9710	ug/mL	96
60) Diethylphthal	6.688	149	338762	12.9964	ug/mL	99
61) 4Nitroaniline	6.745	138	71565	12.1265	ug/mL	98
64) 46Dinit2mylph	6.773	198	29213	6.6909	ug/mL	99
65) Ntrsdiphlam&Diphlam	6.810	169	427053	31.4885	ug/mL	98
66) Azobenz&12Diphlhyd	6.799	182	4650	0.2602	ug/mL	88
67) 4Brphlphlethr	7.032	248	103054	14.4783	ug/mL	95
68) Hexaclbenzene	7.046	284	111882	14.9348	ug/mL	93
69) Pentaclphenol	7.188	266	28649	6.0745	ug/mL	96
70) Phenanthrene	7.293	178	505250	15.4803	ug/mL	99
71) Anthracene	7.322	178	496503	14.6441	ug/mL	99
72) Carbazole	7.435	167	469588	14.6648	ug/mL	99
73) Dinbtylphthal	7.671	149	654216	15.0310	ug/mL	100
74) Fluoranthene	7.981	202	573136	14.9377	ug/mL	99
76) Benzidine	0.000		0	N.D.		
77) Pyrene	8.109	202	550917	15.0186	ug/mL	98
79) Btylbzylphth	8.467	149	144841	14.1005	ug/mL	96
80) bis2Ethlhxlad	8.524	129	112467	13.4488	ug/mL	98
81) 33Diclbnzidin	8.720	252	28771	6.4909	ug/mL	94
82) B[a]anthracen	8.714	228	220551	13.3275	ug/mL	99
83) Chrysene	8.734	228	209521	13.6464	ug/mL	97
84) bis2Ethlhxlph	8.779	149	269274	19.6695	ug/mL	98
85) Dinoctylphthl	9.123	149	374423	14.7152	ug/mL	99
87) B[b]fluoranth	9.277	252	221840	13.1376	ug/mL	99
88) B[k]fluoranth	9.291	252	213407	13.7010	ug/mL	99
89) Benz[a]pyrene	9.444	252	224313	13.5889	ug/mL	99
90) Indeno-pyrene	10.027	276	238654	13.1445	ug/mL	98
91) Dib[ah]anthr	10.041	278	188567	13.9751	ug/mL	97
92) B[ghi]perylen	10.157	276	203343	12.5384	ug/mL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337815MS.D Vial: 27
Acq On : 22 Aug 2013 21:14 Operator: RPN
Sample : 97038,MSS337815, Inst : SVMS1
Misc : 338952,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 12:05:34 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 12:05:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337815SD.D Vial: 28
Acq On : 22 Aug 2013 21:32 Operator: RPN
Sample : 97038,MSDS337815, Inst : SVMS1
Misc : 338953,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 12:10:19 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 12:05:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	156257	20.00	ug/mL	0.00
21) Naphthalened8	4.097	136	552482	20.00	ug/mL	0.00
39) Acenaphthened10	6.282	164	445346	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	640669	20.00	ug/mL	0.00
75) Chrysene-d12	8.720	240	282461	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	291808	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.894	112	251301	59.00	%REC	0.01
Spiked Amount 100.000	Range 20 - 110		Recovery = 59.00%			
7) SURRPhenol-d5	2.480	99	286630	63.09	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 63.09%			
22) SURRNitrbenzened5	3.267	82	111192	69.44	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 69.44%			
44) SURR2Flbiphenyl	5.696	172	402572	68.76	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 68.76%			
62) SURR246Tribrphenl	6.858	330	95086	64.52	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 64.52%			
78) SURRTerphenyl-d14	8.214	244	226251	80.32	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 80.32%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.318	74	67774	11.9138	ug/mL	98
3) Pyridine	1.332	79	50442	4.7250	ug/mL	90
5) Aniline	2.474	93	21614	1.5460	ug/mL#	1
6) bis2Clethletr	2.537	93	117809	12.4588	ug/mL	92
8) Phenol	2.488	94	159123	11.9323	ug/mL	98
9) 2-Cl-phenol	2.557	128	145050	12.7630	ug/mL	99
10) 13Diclbenz	2.670	146	159492	12.0390	ug/mL	94
11) 14Diclbenz	2.738	146	154027	12.2899	ug/mL	99
12) 12Diclbenz	2.863	146	152857	12.3182	ug/mL	97
13) Benzyl alcoho	2.940	108	4443	0.8112	ug/mL	84
14) bis2clispreth	3.018	45	202040	12.6996	ug/mL	92
15) 2Methylphenol	3.020	107	92014	12.1725	ug/mL	98
16) Ntrspyrrol	3.113	100	54608	13.4195	ug/mL	94
17) Acetophenone	3.122	105	161466	13.2860	ug/mL	98
18) Hexaclethane	3.182	117	59987	12.7005	ug/mL	96
19) N-Ntrsdinprop	3.150	70	70688	12.8179	ug/mL	98
20) 3&4Methylphenol	3.187	107	123971	13.5925	ug/mL	97
23) Nitrobenzene	3.287	77	98978	12.7014	ug/mL	97
24) Isophorone	3.579	82	197213	13.2275	ug/mL	100
25) 2-Nitrophenol	3.653	139	74315	13.5097	ug/mL	93
26) 24Dimthpheno	3.798	122	87876	11.3993	ug/mL	92
27) bis2clethoxym	3.906	93	139311	13.2692	ug/mL	96
28) 24Diclphenol	3.974	162	118305	13.5739	ug/mL	97
29) 124Triclbenz	4.048	180	131691	13.4436	ug/mL	99
30) Benzoic acid	4.122	122	1418	0.3288	ug/mL#	1
31) Naphthalene	4.122	128	352642	13.2661	ug/mL	100
32) 4-Cl-aniline	4.267	127	52758	4.7010	ug/mL	96
33) 26Diclphenol	4.256	162	99779	14.0114	ug/mL	98
34) Hexaclprop	4.247	213	77834	13.2024	ug/mL	98
35) Hexaclbutdien	4.335	225	70472	13.5112	ug/mL	98
36) 4Cl3methylphe	5.097	107	128317	13.2246	ug/mL#	37
37) 2Methylnaphth	5.117	142	437926	16.2406	ug/mL	97
38) 1Methylnaphth	5.270	141	317003	13.2650	ug/mL	99
40) Hxclcycpentdi	5.389	237	76652	11.7721	ug/mL	95

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337815SD.D Vial: 28
Acq On : 22 Aug 2013 21:32 Operator: RPN
Sample : 97038,MSDS337815, Inst : SVMS1
Misc : 338953,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 12:10:19 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 12:05:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

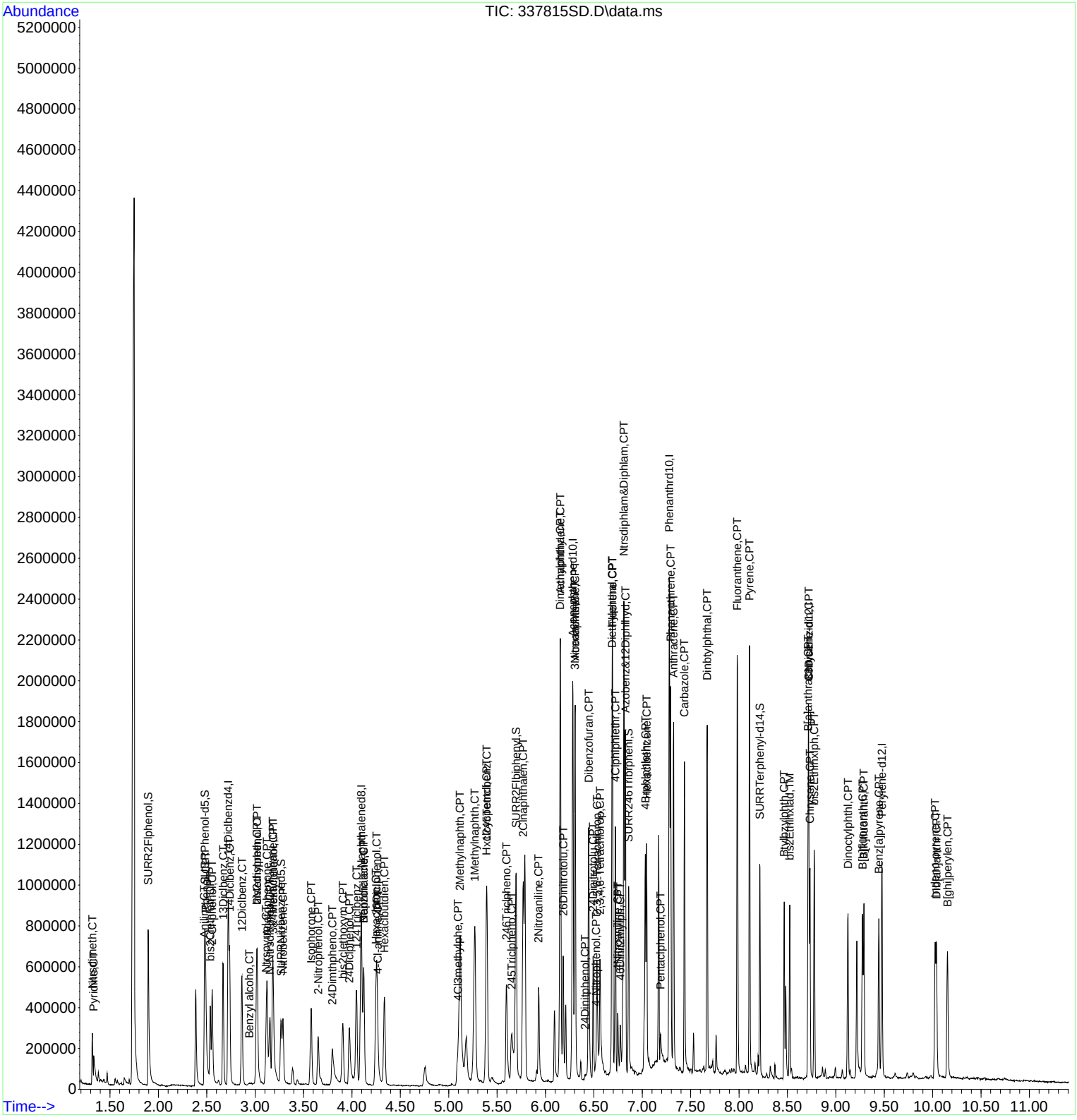
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1245Tetrclbenz	5.392	216	190707	13.9220	ug/mL	98
42) 246Triclpheno	5.597	196	109760	12.5281	ug/mL	97
43) 245Triclpheno	5.651	196	115870	12.0963	ug/mL	92
45) 2Clnaphthalen	5.770	162	360648	13.6503	ug/mL	99
46) 2Nitroaniline	5.929	65	70129	13.4483	ug/mL	97
47) Acnaphthylene	6.154	152	527879	13.4284	ug/mL	99
48) Dimethylphtha	6.151	163	375041	14.0306	ug/mL	99
49) 26Dinitrotolu	6.185	165	86264	13.2666	ug/mL	98
50) Acenaphthene	6.307	154	306610	13.9201	ug/mL	99
51) 3Nitroaniline	6.304	138	62474	10.3360	ug/mL	99
52) 24Dinitphenol	6.409	184	10331	4.8450	ug/mL	97
53) Dibenzofuran	6.446	168	485838	14.2777	ug/mL	100
54) 24Dinitrotolu	6.492	165	115880	14.2021	ug/mL	96
55) 4-Nitrophenol	6.523	139	61574	13.2789	ug/mL	98
56) 2,3,5,6-Tetrachlorop	6.532	232	65265	10.2145	ug/mL	99
57) 2,3,4,6-Tetrachlorop	6.563	232	93793	12.3189	ug/mL	96
58) Fluorene	6.694	166	362256	14.0089	ug/mL	100
59) 4Clphlphlethr	6.722	204	173613	13.0273	ug/mL	95
60) Diethylphthal	6.688	149	354878	13.4634	ug/mL	100
61) 4Nitroaniline	6.748	138	72812	12.1441	ug/mL	99
64) 46Dinit2mylph	6.773	198	33689	7.6720	ug/mL	94
65) Ntrsdiphlam&Diphlam	6.810	169	458188	34.0461	ug/mL	100
66) Azobenz&12Diphlhyd	6.827	182	150737	31.4880	ug/mL#	76
67) 4Brphlphlethr	7.032	248	106777	14.9159	ug/mL	98
68) Hexaclbenzene	7.046	284	120372	15.9765	ug/mL	95
69) Pentaclphenol	7.188	266	31257	6.5897	ug/mL	96
70) Phenanthrene	7.293	178	503678	15.3442	ug/mL	99
71) Anthracene	7.324	178	506086	14.8417	ug/mL	99
72) Carbazole	7.435	167	492119	15.2808	ug/mL	99
73) Dinbtylphthal	7.671	149	691279	15.7921	ug/mL	99
74) Fluoranthene	7.981	202	628296	16.2820	ug/mL	99
76) Benzidine	0.000		0	N.D.		
77) Pyrene	8.109	202	596555	16.7788	ug/mL	99
79) Btylbzylphth	8.467	149	149487	15.0146	ug/mL	96
80) bis2Ethlhxlad	8.524	129	115086	14.1987	ug/mL	99
81) 33Diclbnzidin	8.720	252	34821	8.1051	ug/mL	98
82) B[a]anthracen	8.714	228	230474	14.3690	ug/mL	99
83) Chrysene	8.734	228	222837	14.9742	ug/mL	98
84) bis2Ethlhxlph	8.776	149	274018	20.6511	ug/mL	97
85) Dinoctylphthl	9.126	149	373514	15.1453	ug/mL	98
87) B[b]fluoranth	9.277	252	229077	13.7982	ug/mL	97
88) B[k]fluoranth	9.291	252	228659	14.9312	ug/mL	97
89) Benz[a]pyrene	9.444	252	230488	14.2018	ug/mL	97
90) Indeno-pyrene	10.027	276	240948	13.4978	ug/mL	97
91) Dib[ah]anthr	10.041	278	189554	14.2885	ug/mL	97
92) B[ghi]perylen	10.155	276	212258	13.3119	ug/mL	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\337815SD.D Vial: 28
Acq On : 22 Aug 2013 21:32 Operator: RPN
Sample : 97038,MSDS337815, Inst : SVMS1
Misc : 338953,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 12:10:19 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 12:05:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1MRL08.D Vial: 3
Acq On : 22 Aug 2013 22:09 Operator: RPN
Sample : MRL 1/5ug/ml SVMS5799 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 12:49:38 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 12:48:34 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	173387	20.00	ug/mL	0.00
21) Naphthalened8	4.096	136	611489	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	470999	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	713124	20.00	ug/mL	0.00
75) Chrysene-d12	8.717	240	346261	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	319480	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.892	112	9514	2.01	%REC	0.01
Spiked Amount 100.000	Range 20 - 110		Recovery =	2.01%#		
7) SURRPhenol-d5	2.477	99	11780	2.34	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery =	2.34%#		
22) SURRNitrbenzened5	3.267	82	9228	5.21	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery =	5.21%#		
44) SURR2Flbiphenyl	5.696	172	37783	6.10	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery =	6.10%#		
62) SURR246Tribrphenl	6.856	330	3583	2.30	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery =	2.30%#		
78) SURRTerphenyl-d14	8.214	244	20216	5.85	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery =	5.85%#		
Target Compounds						Qvalue
2) Ntrsdimeth	1.303	74	5060	0.8016	ug/mL	87
3) Pyridine	1.349	79	7080	0.5977	ug/mL	82
5) Aniline	2.471	93	15021	0.9683	ug/mL#	1
6) bis2Clethletr	2.537	93	12435	1.1851	ug/mL	95
8) Phenol	2.485	94	66966	4.5255	ug/mL	98
9) 2-Cl-phenol	2.551	128	65999	5.2335	ug/mL	93
10) 13Diclbenz	2.667	146	15521	1.0558	ug/mL	96
11) 14Diclbenz	2.735	146	14967	1.0762	ug/mL	94
12) 12Diclbenz	2.863	146	14308	1.0391	ug/mL	95
13) Benzyl alcoho	0.000		0	N.D.		
14) bis2clispreth	3.021	45	19892	1.1268	ug/mL#	50
15) 2Methylphenol	3.011	107	40656	4.8470	ug/mL	90
16) Ntrspyrrol	3.119	100	4312	0.9550	ug/mL	77
17) Acetophenone	3.125	105	12052	0.8937	ug/mL	93
18) Hexaclethane	3.182	117	5887	1.1233	ug/mL	86
19) N-Ntrsdinprop	3.150	70	5972	0.9759	ug/mL	94
20) 3&4Methylphenol	3.184	107	92262	9.1164	ug/mL	98
23) Nitrobenzene	3.287	77	7433	0.8618	ug/mL	88
24) Isophorone	3.579	82	17385	1.0535	ug/mL	97
25) 2-Nitrophenol	3.650	139	30833	5.0643	ug/mL	92
26) 24Dimthpheno	3.792	122	47531	5.5707	ug/mL	92
27) bis2clethoxym	3.906	93	12713	1.0941	ug/mL	92
28) 24Diclphenol	3.974	162	51240	5.3118	ug/mL	98
29) 124Triclbenz	4.045	180	12391	1.1429	ug/mL	82
30) Benzoic acid	3.969	122	21712	4.5485	ug/mL	93
31) Naphthalene	4.122	128	33769	1.1478	ug/mL	96
32) 4-Cl-aniline	4.273	127	14026	1.1292	ug/mL	93
33) 26Diclphenol	4.258	162	46149	5.8551	ug/mL	99
34) Hexaclprop	4.250	213	6756	1.0354	ug/mL	93
35) Hexaclbutdien	4.332	225	6531	1.1313	ug/mL	99
36) 4Cl3methylphe	5.100	107	53932	5.0220	ug/mL	79
37) 2Methylnaphth	5.122	142	47235	1.5827	ug/mL	89
38) 1Methylnaphth	5.270	141	31302	1.1834	ug/mL	91
40) Hxclcycpentdi	5.392	237	4773	0.6931	ug/mL	81

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1MRL08.D Vial: 3
Acq On : 22 Aug 2013 22:09 Operator: RPN
Sample : MRL 1/5ug/ml SVMS5799 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 12:49:38 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 12:48:34 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

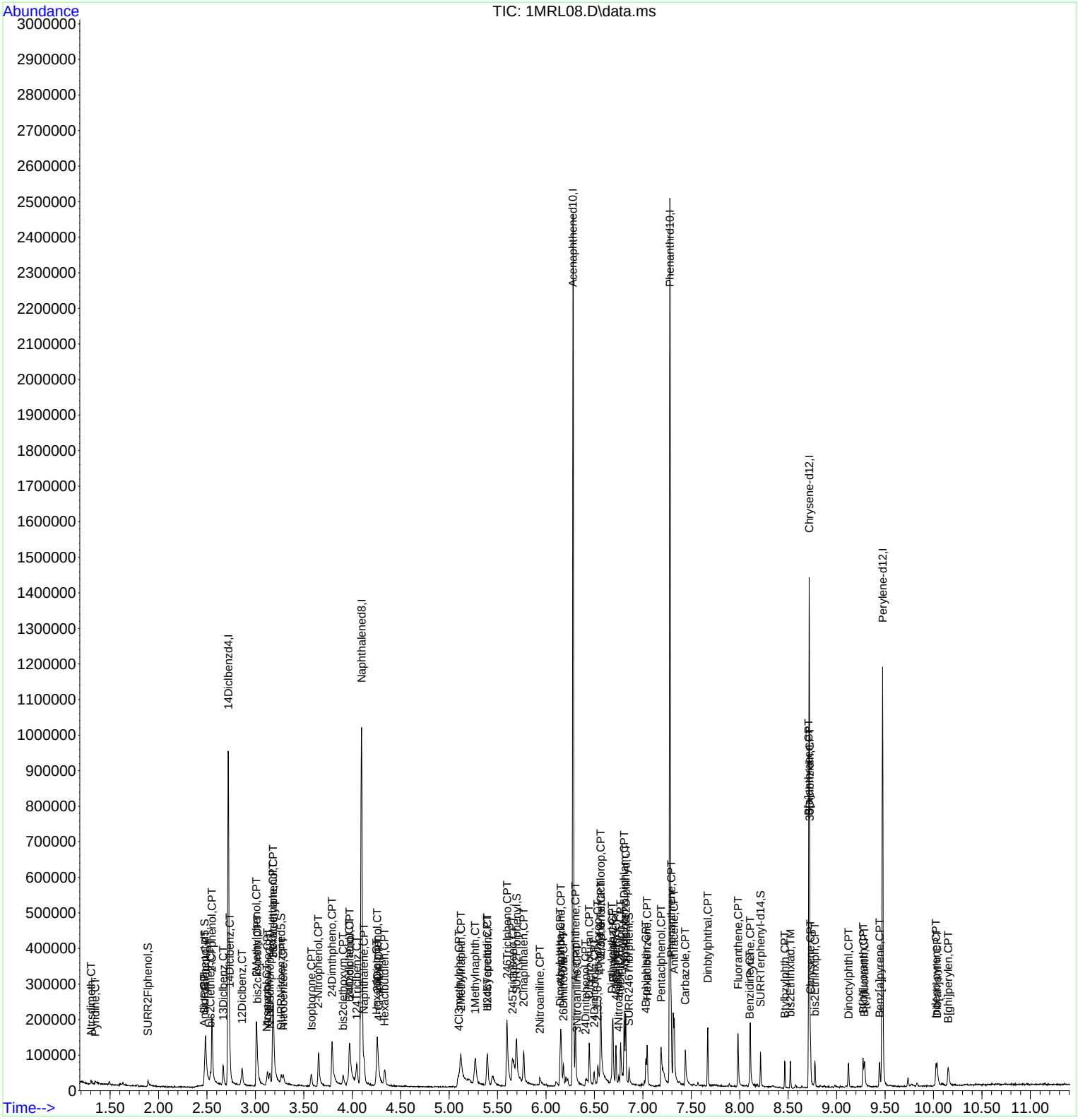
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1245Tetrclbenz	5.395	216	17658	1.2189 ug/mL	90
42) 246Triclpheno	5.600	196	44662	4.8201 ug/mL	98
43) 245Triclpheno	5.654	196	40186	3.9667 ug/mL	86
45) 2Clnaphthalen	5.770	162	34060	1.2189 ug/mL	92
46) 2Nitroaniline	5.938	65	4570	0.8286 ug/mL	95
47) Acnaphthylene	6.154	152	54906	0.9396 ug/mL	97
48) Dimethylphtha	6.145	163	36749	0.9335 ug/mL	99
49) 26Dinitrotolu	6.182	165	7653	1.1129 ug/mL	81
50) Acenaphthene	6.304	154	28157	0.9428 ug/mL	99
51) 3Nitroaniline	6.319	138	7937	1.2416 ug/mL	94
52) 24Dinitphenol	6.409	184	10430	4.7517 ug/mL	80
53) Dibenzofuran	6.446	168	43383	1.2055 ug/mL	100
54) 24Dinitrotolu	6.497	165	9153	1.0607 ug/mL	87
55) 4-Nitrophenol	6.569	139	20139	4.1066 ug/mL#	65
56) 2,3,5,6-Tetrachlorop	6.534	232	6161	0.9117 ug/mL	94
57) 2,3,4,6-Tetrachlorop	6.566	232	44666	5.5470 ug/mL	94
58) Fluorene	6.694	166	36485	0.9900 ug/mL	98
59) 4Clphlphlethr	6.722	204	17013	0.9758 ug/mL	95
60) Diethylphthal	6.682	149	37180	1.0060 ug/mL	96
61) 4Nitroaniline	6.750	138	7255	1.1441 ug/mL	93
64) 46Dinit2mylph	6.770	198	22554	4.6144 ug/mL	97
65) Ntrsdiphlam&Diphlam	6.807	169	44206	2.0170 ug/mL	99
66) Azobenz&12Diphlhyd	6.824	182	15018	1.9452 ug/mL#	79
67) 4Brphlphlethr	7.032	248	9966	1.2507 ug/mL	95
68) Hexaclbenzene	7.043	284	11575	1.3802 ug/mL	97
69) Pentaclphenol	7.188	266	24239	4.5909 ug/mL	94
70) Phenanthrene	7.293	178	47777	1.3076 ug/mL	96
71) Anthracene	7.324	178	51333	1.3525 ug/mL	95
72) Carbazole	7.438	167	47692	1.3304 ug/mL	98
73) Dinbtylphthal	7.671	149	65685	1.3481 ug/mL	96
74) Fluoranthene	7.984	202	53497	1.2455 ug/mL	96
76) Benzidine	8.103	184	10797	0.8464 ug/mL	96
77) Pyrene	8.109	202	53359	1.2243 ug/mL	96
79) Btylbzylphth	8.467	149	12814	1.0499 ug/mL	91
80) bis2Ethlhxlad	8.523	129	10249	1.0315 ug/mL	97
81) 33Diclbnzidin	8.722	252	7761	1.4736 ug/mL	97
82) B[a]anthracen	8.711	228	20842	1.0600 ug/mL	93
83) Chrysene	8.731	228	19931	1.0925 ug/mL	95
84) bis2Ethlhxlph	8.776	149	17449	1.0727 ug/mL	88
85) Dinoctylphthl	9.123	149	29501	0.9758 ug/mL	95
87) B[b]fluoranth	9.274	252	17891	0.9843 ug/mL	93
88) B[k]fluoranth	9.288	252	22796	1.3596 ug/mL	96
89) Benz[a]pyrene	9.444	252	20226	1.1383 ug/mL	96
90) Indeno-pyrene	10.027	276	23760	1.2157 ug/mL	94
91) Dib[ah]anthr	10.038	278	17119	1.1786 ug/mL	91
92) B[ghi]perylen	10.152	276	20440	1.1709 ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1MRL08.D Vial: 3
Acq On : 22 Aug 2013 22:09 Operator: RPN
Sample : MRL 1/5ug/ml SVMS5799 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 12:49:38 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Fri Aug 23 12:48:34 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1MDL08.D Vial: 4
Acq On : 22 Aug 2013 22:27 Operator: RPN
Sample : MDL 0.5/2.5ug/ml SVMS5798 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:54:11 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.718	152	176072	20.00	ug/mL	0.00
21) Naphthalened8	4.094	136	618811	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	468396	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	740060	20.00	ug/mL	0.00
75) Chrysene-d12	8.717	240	347425	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	324019	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.900	112	2221	0.46	%REC	0.02
Spiked Amount 100.000	Range 20 - 110		Recovery = 0.46%#			
7) SURRPhenol-d5	2.480	99	5437	1.06	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 1.06%#			
22) SURRNitrbenzened5	3.273	82	4164	2.32	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 2.32%#			
44) SURR2Flbiphenyl	5.696	172	17622	2.86	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 2.86%#			
62) SURR246Tribrphenl	6.858	330	1791	1.16	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 1.16%#			
78) SURRTerphenyl-d14	8.214	244	10930	3.15	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 3.15%#			
Target Compounds						Qvalue
2) Ntrsdimeth	1.318	74	2338	0.3647	ug/mL#	61
3) Pyridine	1.389	79	810	0.0673	ug/mL#	61
5) Aniline	2.480	93	6501	0.4127	ug/mL#	7
6) bis2Clethletr	2.537	93	5071	0.4759	ug/mL	98
8) Phenol	2.491	94	33100	2.2028	ug/mL	94
9) 2-Cl-phenol	2.554	128	31053	2.4249	ug/mL	94
10) 13Diclbenz	2.667	146	7651	0.5125	ug/mL	95
11) 14Diclbenz	2.733	146	7937	0.5620	ug/mL	95
12) 12Diclbenz	2.863	146	6695	0.4788	ug/mL	90
13) Benzyl alcoho	0.000		0	N.D.		
14) bis2clispreth	3.022	45	10609	0.5918	ug/mL#	58
15) 2Methylphenol	3.014	107	21214	2.4906	ug/mL	90
16) Ntrspyrrol	3.116	100	1858	0.4052	ug/mL#	71
17) Acetophenone	3.130	105	5721	0.4178	ug/mL	89
18) Hexaclethane	3.182	117	2801	0.5263	ug/mL	84
19) N-Ntrsdinprop	3.150	70	3120	0.5021	ug/mL	72
20) 3&4Methylphenol	3.184	107	46456	4.5203	ug/mL	97
23) Nitrobenzene	3.290	77	3070	0.3517	ug/mL	79
24) Isophorone	3.579	82	8126	0.4866	ug/mL	88
25) 2-Nitrophenol	3.653	139	13947	2.2637	ug/mL	87
26) 24Dimthpheno	3.795	122	22961	2.6592	ug/mL	92
27) bis2clethoxym	3.909	93	5708	0.4854	ug/mL	85
28) 24Diclphenol	3.977	162	24413	2.5008	ug/mL	90
29) 124Triclbenz	4.051	180	6353	0.5790	ug/mL	78
30) Benzoic acid	3.963	122	9906	2.0507	ug/mL	75
31) Naphthalene	4.119	128	17054	0.5728	ug/mL	96
32) 4-Cl-aniline	4.278	127	6234	0.4959	ug/mL	91
33) 26Diclphenol	4.261	162	22755	2.8529	ug/mL	98
34) Hexaclprop	4.247	213	3018	0.4571	ug/mL	84
35) Hexaclbutdien	4.338	225	3622	0.6200	ug/mL	92
36) 4Cl3methylphe	5.122	107	23070	2.1228	ug/mL#	1
37) 2Methylnaphth	5.122	142	32313	1.0699	ug/mL	80
38) 1Methylnaphth	5.270	141	15089	0.5637	ug/mL	88
40) Hxclcycpentdi	5.392	237	1379	0.2014	ug/mL#	32

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1MDL08.D Vial: 4
Acq On : 22 Aug 2013 22:27 Operator: RPN
Sample : MDL 0.5/2.5ug/ml SVMS5798 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:54:11 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

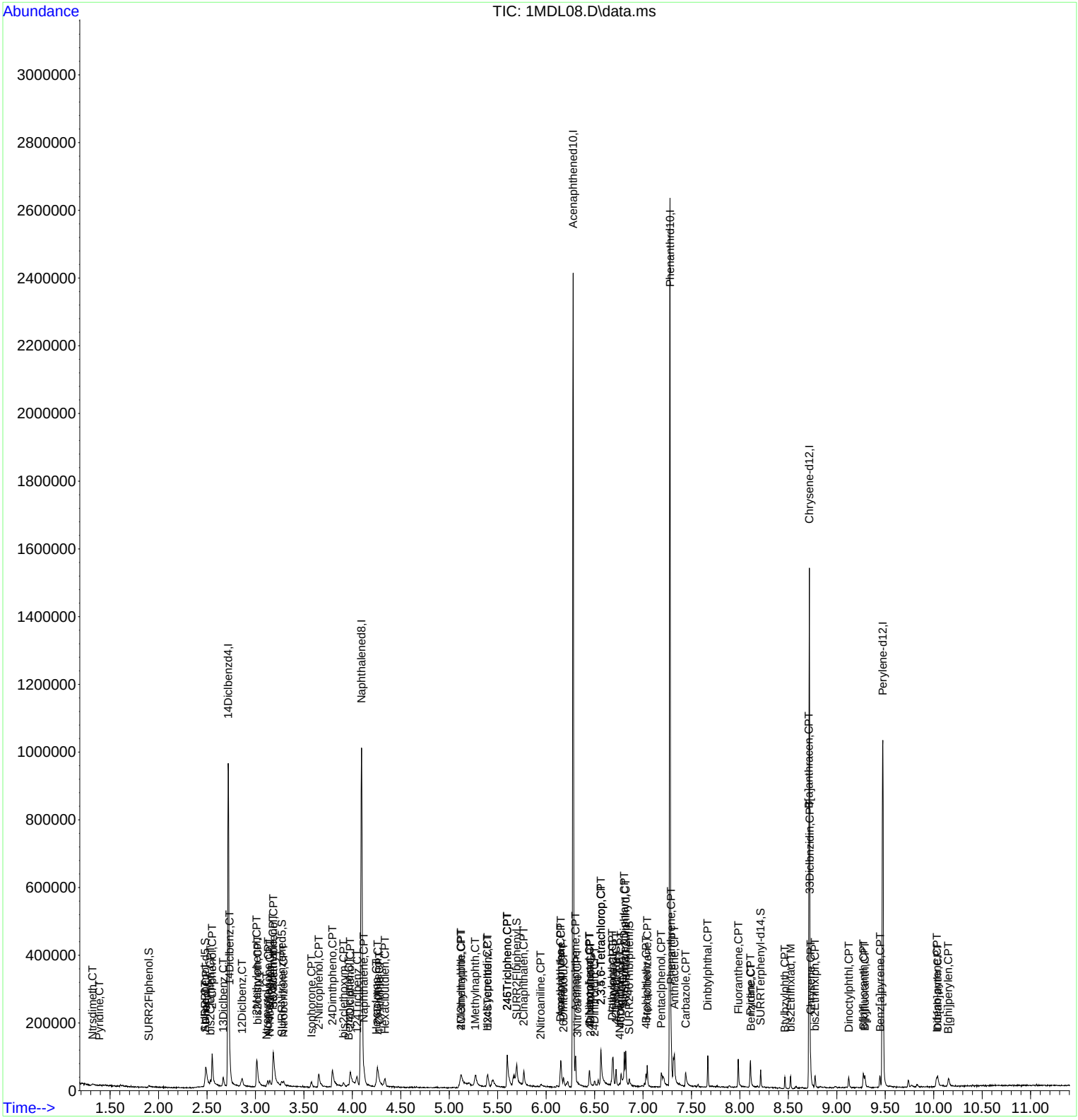
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1245Tetrclbenz	5.398	216	8153	0.5659 ug/mL	97
42) 246Triclpheno	5.600	196	22332	2.4236 ug/mL	92
43) 245Triclpheno	5.600	196	47481	4.7129 ug/mL	93
45) 2Clnaphthalen	5.770	162	16472	0.5928 ug/mL	99
46) 2Nitroaniline	5.943	65	1589	0.2897 ug/mL	90
47) Acnaphthylene	6.154	152	26811	0.3076 ug/mL	96
48) Dimethylphtha	6.148	163	19132	0.3629 ug/mL	93
49) 26Dinitrotolu	6.179	165	3296	0.4819 ug/mL#	72
50) Acenaphthene	6.304	154	15612	0.4450 ug/mL	95
51) 3Nitroaniline	6.321	138	3037	0.4777 ug/mL#	59
52) 24Dinitphenol	6.458	184	1628	3.1079 ug/mL#	63
53) Dibenzofuran	6.449	168	22207	0.6205 ug/mL	94
54) 24Dinitrotolu	6.500	165	3985	0.4644 ug/mL	83
55) 4-Nitrophenol	6.446	139	7208	1.4780 ug/mL#	25
56) 2,3,5,6-Tetrachlorop	6.566	232	20751	3.0879 ug/mL	90
57) 2,3,4,6-Tetrachlorop	6.566	232	20751	2.5913 ug/mL	91
58) Fluorene	6.691	166	18385	0.3859 ug/mL	94
59) 4Clphlphlethr	6.722	204	7740	0.3683 ug/mL	95
60) Diethylphthal	6.682	149	18278	0.3852 ug/mL	97
61) 4Nitroaniline	6.759	138	3213	0.5095 ug/mL#	61
64) 46Dinit2mylph	6.773	198	9585	1.8897 ug/mL	96
65) Ntrsdiphlam&Diphlam	6.807	169	21477	0.6240 ug/mL	96
66) Azobenz&12Diphlhyd	6.821	182	7845	0.6626 ug/mL#	70
67) 4Brphlphlethr	7.032	248	5601	0.6773 ug/mL	79
68) Hexaclbenzene	7.043	284	5435	0.6245 ug/mL	91
69) Pentaclphenol	7.188	266	9071	1.6555 ug/mL	96
70) Phenanthrene	7.290	178	24253	0.6396 ug/mL	91
71) Anthracene	7.324	178	24685	0.6267 ug/mL	98
72) Carbazole	7.441	167	23845	0.6410 ug/mL	98
73) Dinbtylphthal	7.668	149	37103	0.7338 ug/mL	97
74) Fluoranthene	7.984	202	29053	0.6518 ug/mL	95
76) Benzidine	8.114	184	5156	0.4029 ug/mL	86
77) Pyrene	8.109	202	26897	0.6151 ug/mL	100
79) Btylbzylphth	8.464	149	5752	0.4697 ug/mL	89
80) bis2Ethlhxlad	8.524	129	5330	0.5346 ug/mL#	86
81) 33Diclbnzidin	8.722	252	3276	0.6200 ug/mL	77
82) B[a]anthracen	8.711	228	11370	0.5763 ug/mL	96
83) Chrysene	8.731	228	10004	0.5465 ug/mL	91
84) bis2Ethlhxlph	8.776	149	8444	0.5174 ug/mL	99
85) Dinoctylphthl	9.123	149	13965	0.4604 ug/mL	97
87) B[b]fluoranth	9.276	252	9591	0.5203 ug/mL	94
88) B[k]fluoranth	9.291	252	10962	0.6446 ug/mL	93
89) Benz[a]pyrene	9.447	252	10843	0.6017 ug/mL	96
90) Indeno-pyrene	10.032	276	11777	0.5942 ug/mL	90
91) Dib[ah]anthr	10.041	278	8853	0.6010 ug/mL	93
92) B[ghi]perylen	10.152	276	10626	0.6002 ug/mL	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082213\1MDL08.D Vial: 4
Acq On : 22 Aug 2013 22:27 Operator: RPN
Sample : MDL 0.5/2.5ug/ml SVMS5798 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 15:54:11 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:39:29 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\1MRL09.D Vial: 3
Acq On : 23 Aug 2013 13:11 Operator: RPN
Sample : MRL 1/5ug/ml SVMS5799 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:24:15 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:19:22 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.718	152	177428	20.00	ug/mL	0.00
21) Naphthalened8	4.096	136	637990	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	504686	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	792388	20.00	ug/mL	0.00
75) Chrysene-d12	8.719	240	364663	20.00	ug/mL	0.00
86) Perylene-d12	9.478	264	352374	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.891	112	9921	2.05	%REC	0.01
Spiked Amount 100.000	Range 20 - 110		Recovery = 2.05%#			
7) SURRPhenol-d5	2.474	99	13166	2.55	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 2.55%#			
22) SURRNitrbenzened5	3.267	82	9025	4.88	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 4.88%#			
44) SURR2Flbiphenyl	5.693	172	40104	6.04	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 6.04%#			
62) SURR246Tribrphenl	6.855	330	4835	2.90	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 2.90%#			
78) SURRTerphenyl-d14	8.214	244	23076	6.35	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 6.35%#			
Target Compounds						Qvalue
2) Ntrsdimeth	1.300	74	5432	0.8409	ug/mL	84
3) Pyridine	1.346	79	9678	0.7984	ug/mL	96
5) Aniline	2.474	93	15260	0.9613	ug/mL#	1
6) bis2Clethletr	2.533	93	13112	1.2212	ug/mL	88
8) Phenol	2.485	94	71442	4.7180	ug/mL	94
9) 2-Cl-phenol	2.551	128	68393	5.2998	ug/mL	93
10) 13Diclbenz	2.667	146	17032	1.1322	ug/mL	86
11) 14Diclbenz	2.732	146	16156	1.1353	ug/mL	93
12) 12Diclbenz	2.863	146	14812	1.0512	ug/mL	99
13) Benzyl alcoho	0.000		0	N.D.		
14) bis2clispreth	3.021	45	21121	1.1692	ug/mL	77
15) 2Methylphenol	3.011	107	45498	5.3007	ug/mL	85
16) Ntrspyrrol	3.116	100	3418	0.7397	ug/mL	86
17) Acetophenone	3.124	105	13137	0.9520	ug/mL	95
18) Hexaclethane	3.178	117	6411	1.1954	ug/mL	92
19) N-Ntrsdinprop	3.147	70	6907	1.1030	ug/mL#	70
20) 3&4Methylphenol	3.181	107	101018	9.7542	ug/mL	99
23) Nitrobenzene	3.286	77	8652	0.9615	ug/mL	96
24) Isophorone	3.576	82	17938	1.0419	ug/mL	96
25) 2-Nitrophenol	3.653	139	33049	5.2027	ug/mL	92
26) 24Dimthpheno	3.792	122	50076	5.6252	ug/mL	98
27) bis2clethoxym	3.906	93	12364	1.0198	ug/mL	100
28) 24Diclphenol	3.971	162	53563	5.3220	ug/mL	98
29) 124Triclbenz	4.048	180	13602	1.2024	ug/mL	97
30) Benzoic acid	3.974	122	26587	5.3384	ug/mL	87
31) Naphthalene	4.119	128	35331	1.1510	ug/mL	96
32) 4-Cl-aniline	4.275	127	14571	1.1243	ug/mL	89
33) 26Diclphenol	4.258	162	49965	6.0759	ug/mL	99
34) Hexaclprop	4.247	213	7090	1.0414	ug/mL	96
35) Hexaclbutdien	4.338	225	7531	1.2504	ug/mL	96
36) 4Cl3methylphe	5.114	107	55256	4.9315	ug/mL#	1
37) 2Methylnaphth	5.122	142	77341	2.4838	ug/mL	71
38) 1Methylnaphth	5.267	141	34442	1.2481	ug/mL	90
40) Hxclcycpentdi	5.389	237	5470	0.7413	ug/mL	81

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\1MRL09.D Vial: 3
Acq On : 23 Aug 2013 13:11 Operator: RPN
Sample : MRL 1/5ug/ml SVMS5799 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:24:15 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:19:22 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

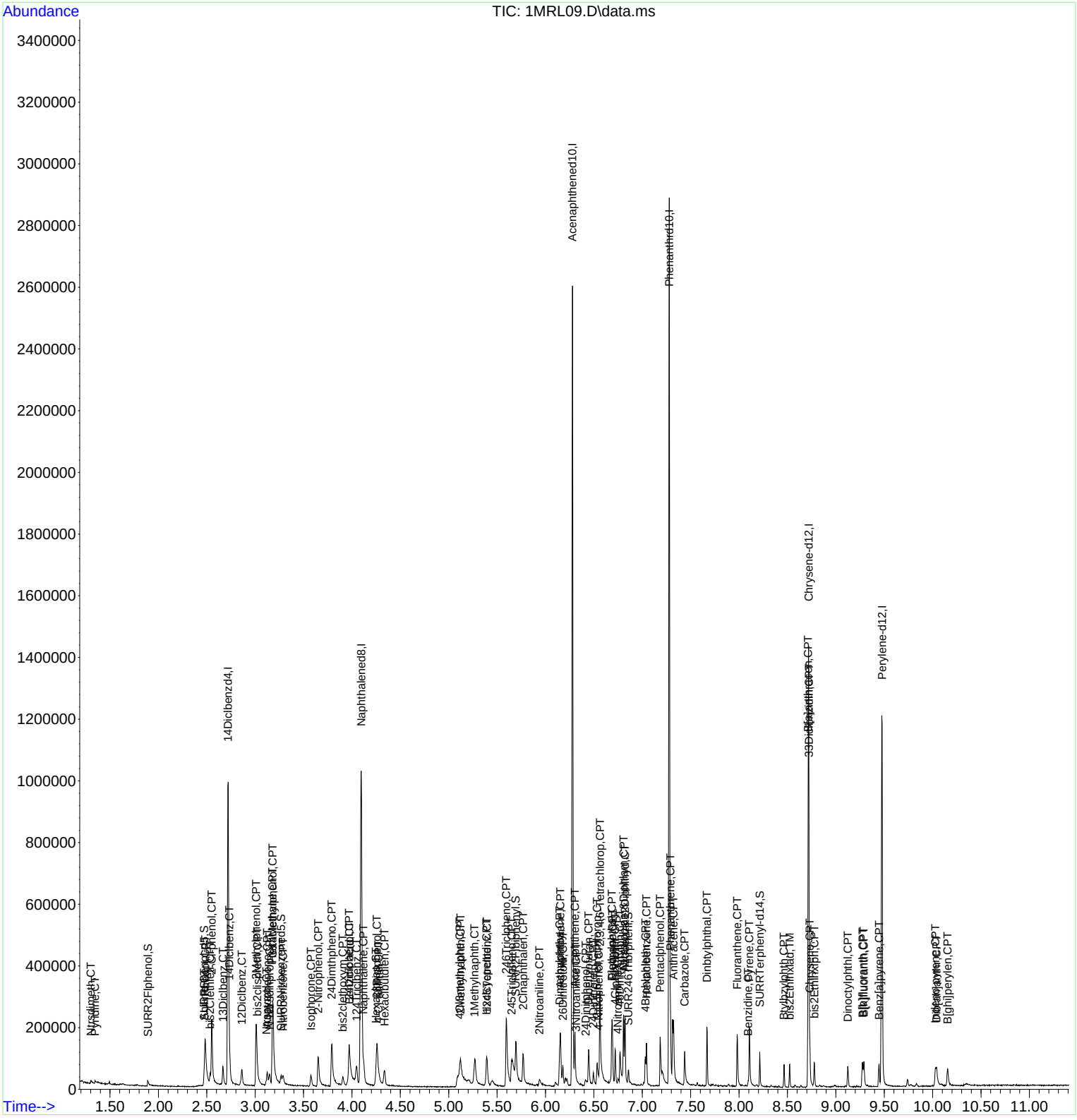
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1245Tetrclbenz	5.395	216	19566	1.2604 ug/mL	97
42) 246Triclpheno	5.594	196	47928	4.8273 ug/mL	96
43) 245Triclpheno	5.651	196	47976	4.4196 ug/mL	94
45) 2Clnaphthalen	5.770	162	37504	1.2526 ug/mL	99
46) 2Nitroaniline	5.938	65	5473	0.9261 ug/mL	90
47) Acnaphthylene	6.153	152	58394	0.9303 ug/mL	97
48) Dimethylphtha	6.145	163	39346	0.9325 ug/mL	99
49) 26Dinitrotolu	6.179	165	8424	1.1432 ug/mL	92
50) Acenaphthene	6.304	154	30403	0.9515 ug/mL	95
51) 3Nitroaniline	6.315	138	7115	1.0387 ug/mL	97
52) 24Dinitphenol	6.415	184	10670	4.6629 ug/mL	82
53) Dibenzofuran	6.446	168	49529	1.2844 ug/mL	96
54) 24Dinitrotolu	6.494	165	9010	0.9744 ug/mL	83
55) 4-Nitrophenol	6.548	139	21882	4.1642 ug/mL	82
56) 2,3,5,6-Tetrachlorop	6.534	232	7345	1.0144 ug/mL	97
57) 2,3,4,6-Tetrachlorop	6.563	232	45312	5.2516 ug/mL	96
58) Fluorene	6.691	166	38344	0.9664 ug/mL	95
59) 4Clphlphlethr	6.719	204	17908	0.9560 ug/mL	94
60) Diethylphthal	6.685	149	38271	0.9574 ug/mL	99
61) 4Nitroaniline	6.747	138	6763	0.9954 ug/mL	78
64) 46Dinit2mylph	6.770	198	23426	4.3134 ug/mL	96
65) Ntrsdiphlam&Diphlam	6.807	169	46237	1.8625 ug/mL	97
66) Azobenz&12Diphlhyd	6.821	182	16917	1.9809 ug/mL#	85
67) 4Brphlphlethr	7.031	248	11191	1.2640 ug/mL	94
68) Hexaclbenzene	7.043	284	12799	1.3735 ug/mL	96
69) Pentaclphenol	7.185	266	27102	4.6197 ug/mL	94
70) Phenanthrene	7.290	178	51619	1.2714 ug/mL	96
71) Anthracene	7.324	178	55741	1.3217 ug/mL	98
72) Carbazole	7.438	167	51009	1.2806 ug/mL	95
73) Dinbtylphthal	7.668	149	72558	1.3402 ug/mL	96
74) Fluoranthene	7.981	202	59019	1.2366 ug/mL	98
76) Benzidine	8.094	184	13094	0.9747 ug/mL	92
77) Pyrene	8.106	202	58509	1.2747 ug/mL	98
79) Btylbzylphth	8.464	149	12821	0.9975 ug/mL	98
80) bis2Ethlhxlad	8.523	129	10424	0.9962 ug/mL	95
81) 33Diclbnzidin	8.722	252	7480	1.3486 ug/mL	92
82) B[a]anthracen	8.714	228	23220	1.1213 ug/mL	98
83) Chrysene	8.731	228	22330	1.1623 ug/mL	99
84) bis2Ethlhxlph	8.779	149	18677	1.0903 ug/mL	90
85) Dinoctylphthl	9.123	149	28922	0.9084 ug/mL	96
87) B[b]fluoranth	9.276	252	20596	1.0273 ug/mL	93
88) B[k]fluoranth	9.290	252	23298	1.2598 ug/mL	96
89) Benz[a]pyrene	9.447	252	23356	1.1918 ug/mL	93
90) Indeno-pyrene	10.029	276	23580	1.0939 ug/mL	100
91) Dib[ah]anthr	10.041	278	18525	1.1564 ug/mL	94
92) B[ghi]perylen	10.154	276	22806	1.1845 ug/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\1MRL09.D Vial: 3
Acq On : 23 Aug 2013 13:11 Operator: RPN
Sample : MRL 1/5ug/ml SVMS5799 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:24:15 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:19:22 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\1MDL09.D Vial: 4
Acq On : 23 Aug 2013 13:30 Operator: RPN
Sample : MDL 0.5/2.5ug/ml SVMS5798 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:26:40 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:19:22 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.718	152	182713	20.00	ug/mL	0.00
21) Naphthalened8	4.097	136	629539	20.00	ug/mL	0.00
39) Acenaphthened10	6.279	164	515362	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	782057	20.00	ug/mL	0.00
75) Chrysene-d12	8.717	240	361178	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	343265	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.903	112	4954	0.99	%REC	0.02
Spiked Amount 100.000	Range 20 - 110		Recovery = 0.99%#			
7) SURRPhenol-d5	2.480	99	5278	0.99	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 0.99%#			
22) SURRNitrbenzened5	3.273	82	4746	2.60	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 2.60%#			
44) SURR2Flbiphenyl	5.696	172	19052	2.81	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 2.81%#			
62) SURR246Tribrphenl	6.858	330	1762	1.03	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 1.03%#			
78) SURRTerphenyl-d14	8.214	244	10786	2.99	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 2.99%#			
Target Compounds						Qvalue
2) Ntrsdimeth	1.318	74	2327	0.3498	ug/mL#	67
3) Pyridine	1.389	79	1173	0.0940	ug/mL#	58
5) Aniline	2.485	93	7392	0.4522	ug/mL#	4
6) bis2Clethletr	2.534	93	6054	0.5475	ug/mL#	77
8) Phenol	2.488	94	35520	2.2779	ug/mL	98
9) 2-Cl-phenol	2.554	128	34220	2.5750	ug/mL	94
10) 13Diclbenz	2.670	146	8135	0.5251	ug/mL	87
11) 14Diclbenz	2.736	146	8224	0.5612	ug/mL	85
12) 12Diclbenz	2.861	146	7581	0.5225	ug/mL	88
13) Benzyl alcoho	0.000		0	N.D.		
14) bis2clispreth	3.021	45	10017	0.5385	ug/mL#	53
15) 2Methylphenol	3.011	107	21930	2.4810	ug/mL	91
16) Ntrspyrrol	3.125	100	1685	0.3541	ug/mL#	60
17) Acetophenone	3.128	105	6304	0.4436	ug/mL	81
18) Hexaclethane	3.179	117	2957	0.5354	ug/mL	86
19) N-Ntrsdinprop	3.150	70	3372	0.5229	ug/mL	73
20) 3&4Methylphenol	3.187	107	53111	4.9800	ug/mL	91
23) Nitrobenzene	3.287	77	3600	0.4054	ug/mL	79
24) Isophorone	3.577	82	8749	0.5150	ug/mL	95
25) 2-Nitrophenol	3.650	139	14240	2.2718	ug/mL	90
26) 24Dimthpheno	3.793	122	23600	2.6867	ug/mL	99
27) bis2clethoxym	3.909	93	6204	0.5186	ug/mL	90
28) 24Diclphenol	3.977	162	25522	2.5699	ug/mL	93
29) 124Triclbenz	4.051	180	6987	0.6260	ug/mL	90
30) Benzoic acid	3.972	122	8448	1.7191	ug/mL#	47
31) Naphthalene	4.119	128	18429	0.6084	ug/mL	97
32) 4-Cl-aniline	4.281	127	6856	0.5361	ug/mL	89
33) 26Diclphenol	4.264	162	25863	3.1873	ug/mL	99
34) Hexaclprop	4.247	213	2867	0.4268	ug/mL	80
35) Hexaclbutdien	4.335	225	3800	0.6394	ug/mL	81
36) 4Cl3methylphe	5.128	107	25532	2.3093	ug/mL#	1
37) 2Methylnaphth	5.122	142	34459	1.1215	ug/mL#	66
38) 1Methylnaphth	5.270	141	15922	0.5847	ug/mL	84
40) Hxclcycpentdi	5.389	237	1424	0.1890	ug/mL	94

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\1MDL09.D Vial: 4
Acq On : 23 Aug 2013 13:30 Operator: RPN
Sample : MDL 0.5/2.5ug/ml SVMS5798 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:26:40 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:19:22 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

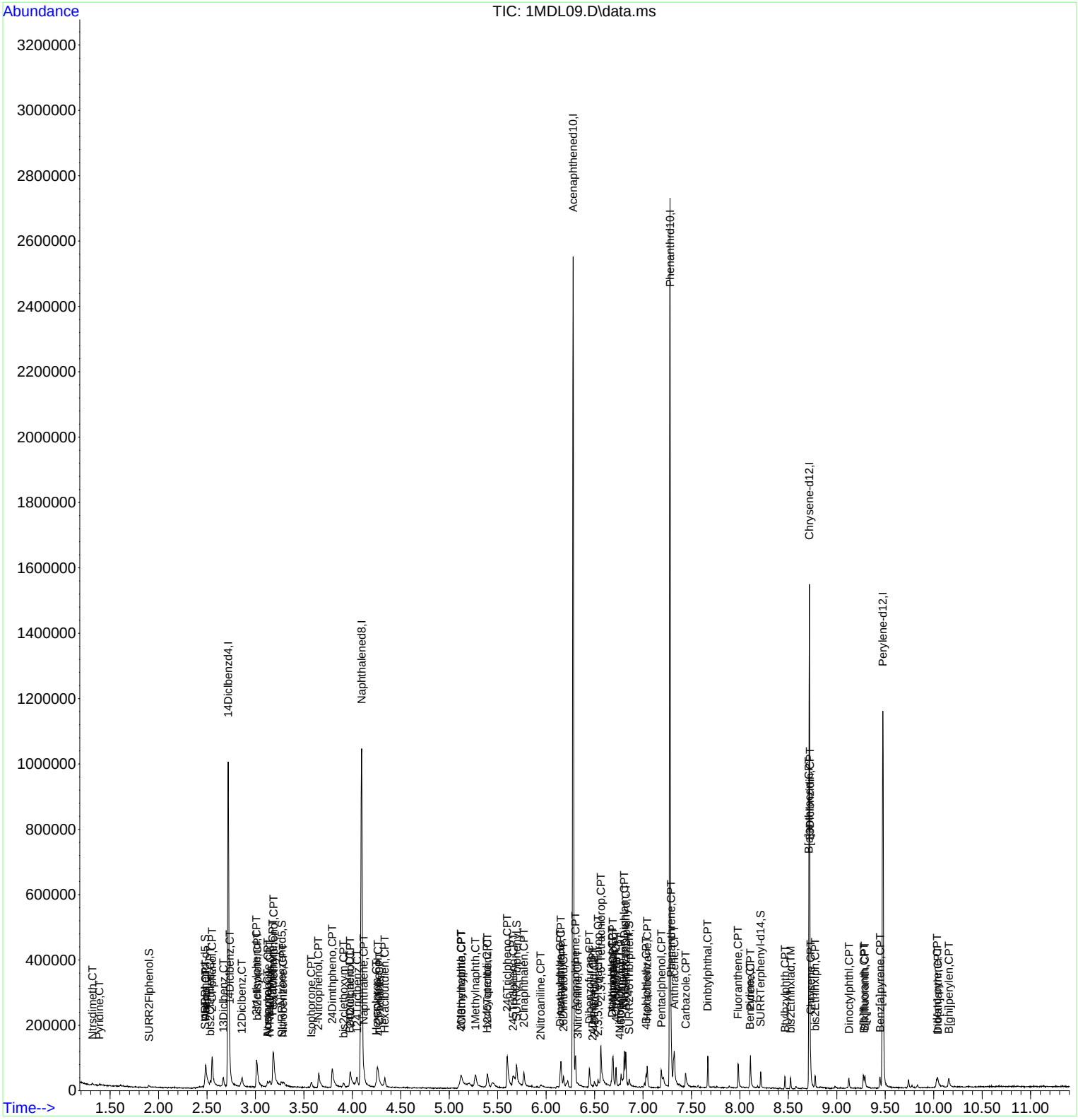
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1245Tetrclbenz	5.395	216	9114	0.5749 ug/mL	88
42) 246Triclpheno	5.600	196	23420	2.3100 ug/mL	95
43) 245Triclpheno	5.659	196	21080	1.9017 ug/mL	98
45) 2Clnaphthalen	5.770	162	16855	0.5513 ug/mL	93
46) 2Nitroaniline	5.943	65	2263	0.3750 ug/mL#	60
47) Acnaphthylene	6.154	152	28374	0.2845 ug/mL	95
48) Dimethylphtha	6.145	163	19826	0.3266 ug/mL	92
49) 26Dinitrotolu	6.179	165	3548	0.4715 ug/mL	90
50) Acenaphthene	6.304	154	16294	0.4128 ug/mL	97
51) 3Nitroaniline	6.327	138	3335	0.4768 ug/mL#	62
52) 24Dinitphenol	6.481	184	1825	3.1136 ug/mL#	55
53) Dibenzofuran	6.446	168	23626	0.6000 ug/mL	97
54) 24Dinitrotolu	6.500	165	4417	0.4678 ug/mL	86
55) 4-Nitrophenol	6.691	139	13143	2.4493 ug/mL#	23
56) 2,3,5,6-Tetrachlorop	6.537	232	2974	0.4022 ug/mL	77
57) 2,3,4,6-Tetrachlorop	6.566	232	22326	2.5339 ug/mL	95
58) Fluorene	6.691	166	20175	0.3842 ug/mL	93
59) 4Clphlphlethr	6.722	204	8779	0.3841 ug/mL	78
60) Diethylphthal	6.682	149	19097	0.3548 ug/mL	94
61) 4Nitroaniline	6.759	138	3232	0.4658 ug/mL	83
64) 46Dinit2mylph	6.776	198	10060	1.8768 ug/mL	88
65) Ntrsdiphlam&Diphlam	6.807	169	24100	0.6994 ug/mL	98
66) Azobenz&12Diphlhyd	6.824	182	7997	0.6168 ug/mL#	62
67) 4Brphlphlethr	7.032	248	5159	0.5904 ug/mL	96
68) Hexaclbenzene	7.043	284	6113	0.6647 ug/mL	92
69) Pentaclphenol	7.191	266	8502	1.4684 ug/mL	94
70) Phenanthrene	7.290	178	27208	0.6790 ug/mL	93
71) Anthracene	7.324	178	27703	0.6656 ug/mL	97
72) Carbazole	7.441	167	24881	0.6329 ug/mL	95
73) Dinbtylphthal	7.668	149	37795	0.7073 ug/mL	97
74) Fluoranthene	7.981	202	27651	0.5870 ug/mL	88
76) Benzidine	8.103	184	6511	0.4894 ug/mL	96
77) Pyrene	8.109	202	29764	0.6547 ug/mL	98
79) Btylbzylphth	8.467	149	6386	0.5016 ug/mL	92
80) bis2Ethlhxlad	8.524	129	4904	0.4732 ug/mL#	86
81) 33Diclbnzidin	8.722	252	3295	0.5998 ug/mL	91
82) B[a]anthracen	8.711	228	11598	0.5655 ug/mL	91
83) Chrysene	8.731	228	10996	0.5779 ug/mL	98
84) bis2Ethlhxlph	8.776	149	8506	0.5013 ug/mL	91
85) Dinoctylphthl	9.126	149	13052	0.4139 ug/mL	97
87) B[b]fluoranth	9.279	252	9226	0.4724 ug/mL	89
88) B[k]fluoranth	9.291	252	11636	0.6459 ug/mL	92
89) Benz[a]pyrene	9.447	252	11663	0.6109 ug/mL	93
90) Indeno-pyrene	10.035	276	10370	0.4938 ug/mL	75
91) Dib[ah]anthr	10.044	278	7648	0.4901 ug/mL	93
92) B[ghi]perylen	10.157	276	10662	0.5684 ug/mL	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\1MDL09.D Vial: 4
Acq On : 23 Aug 2013 13:30 Operator: RPN
Sample : MDL 0.5/2.5ug/ml SVMS5798 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:26:40 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:19:22 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\337815SR.D Vial: 27
Acq On : 23 Aug 2013 13:48 Operator: RPN
Sample : 97038,MSS337815, Inst : SVMS1
Misc : 338952,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 09:39:35 2013

RPN 08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 09:35:55 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	157140	20.00	ug/mL	0.00
21) Naphthalened8	4.094	136	583009	20.00	ug/mL	0.00
39) Acenaphthened10	6.281	164	467789	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	676634	20.00	ug/mL	0.00
75) Chrysene-d12	8.719	240	307524	20.00	ug/mL	0.00
86) Perylene-d12	9.478	264	307829	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.897	112	261834	61.13	%REC	0.02
Spiked Amount 100.000	Range 20 - 110		Recovery = 61.13%			
7) SURRPhenol-d5	2.480	99	292100	63.93	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 63.93%			
22) SURRNitrbenzened5	3.267	82	114307	67.65	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 67.65%			
44) SURR2Flbiphenyl	5.696	172	417560	67.90	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 67.90%			
62) SURR246Tribrphenl	6.858	330	92934	60.03	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 60.03%			
78) SURRTerphenyl-d14	8.214	244	227478	74.18	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 74.18%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.317	74	70836	12.3821	ug/mL	95
3) Pyridine	1.332	79	51998	4.8434	ug/mL	91
5) Aniline	2.474	93	25524	1.8154	ug/mL#	1
6) bis2Clethletr	2.536	93	119684	12.5859	ug/mL	94
8) Phenol	2.488	94	160342	11.9561	ug/mL	97
9) 2-Cl-phenol	2.556	128	145861	12.7622	ug/mL	98
10) 13Diclbenz	2.667	146	156947	11.7803	ug/mL	98
11) 14Diclbenz	2.735	146	154180	12.2330	ug/mL	98
12) 12Diclbenz	2.863	146	160693	12.8769	ug/mL	97
13) Benzyl alcoho	2.946	108	15512	2.8163	ug/mL	83
14) bis2clispreth	3.017	45	208440	13.0282	ug/mL	92
15) 2Methylphenol	3.019	107	96525	12.6975	ug/mL	95
16) Ntrspyrrol	3.113	100	56792	13.8778	ug/mL	98
17) Acetophenone	3.122	105	166810	13.6486	ug/mL	99
18) Hexaclethane	3.179	117	60891	12.8195	ug/mL	93
19) N-Ntrsdinprop	3.150	70	75168	13.5536	ug/mL	97
20) 3&4Methylphenol	3.190	107	124101	13.5302	ug/mL	97
23) Nitrobenzene	3.287	77	106003	12.8906	ug/mL	97
24) Isophorone	3.576	82	203872	12.9582	ug/mL	98
25) 2-Nitrophenol	3.650	139	74643	12.8588	ug/mL	97
26) 24Dimthpheno	3.795	122	98106	12.0599	ug/mL	92
27) bis2clethoxym	3.903	93	149500	13.4941	ug/mL	93
28) 24Diclphenol	3.971	162	116649	12.6831	ug/mL	94
29) 124Triclbenz	4.048	180	135888	13.1457	ug/mL	99
30) Benzoic acid	4.051	122	6046	1.3285	ug/mL#	33
31) Naphthalene	4.122	128	370429	13.2056	ug/mL	97
32) 4-Cl-aniline	4.270	127	56120	4.7388	ug/mL	98
33) 26Diclphenol	4.258	162	108871	14.4876	ug/mL	95
34) Hexaclprop	4.247	213	69021	11.0945	ug/mL	97
35) Hexaclbutdien	4.335	225	72947	13.2534	ug/mL	98
36) 4Cl3methylphe	5.088	107	124718	12.1806	ug/mL	82
37) 2Methylnaphth	5.119	142	449172	15.7855	ug/mL	97
38) 1Methylnaphth	5.270	141	333892	13.2402	ug/mL	97
40) Hxclcycpentdi	5.389	237	50712	7.4146	ug/mL	95

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\337815SR.D Vial: 27
Acq On : 23 Aug 2013 13:48 Operator: RPN
Sample : 97038,MSS337815, Inst : SVMS1
Misc : 338952,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 09:39:35 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 09:35:55 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

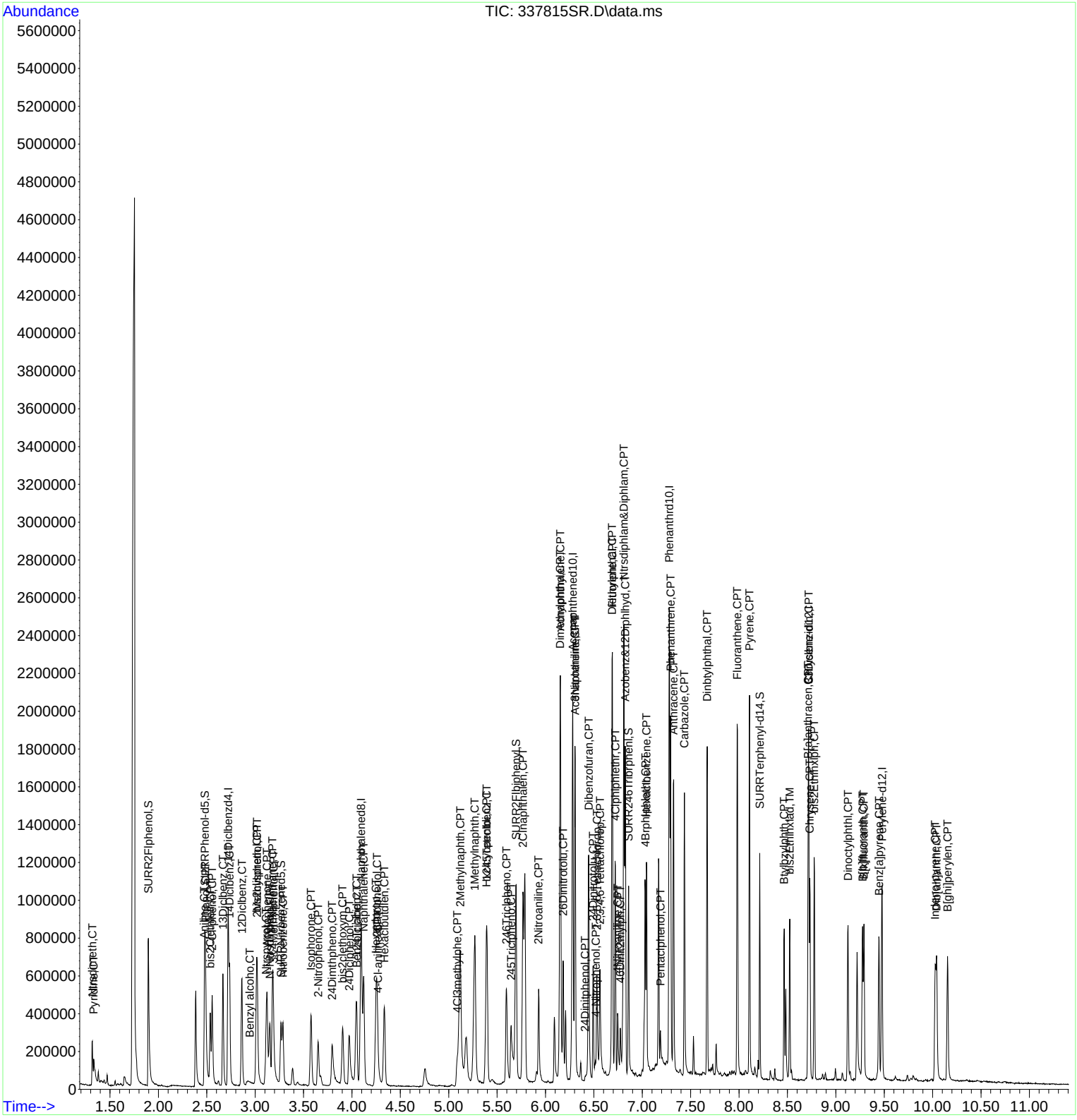
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1245Tetrclbenz	5.392	216	197105	13.6987	ug/mL	100
42) 246Triclpheno	5.597	196	115359	12.5354	ug/mL	97
43) 245Triclpheno	5.645	196	119526	11.8793	ug/mL	97
45) 2Clnaphthalen	5.767	162	369703	13.3217	ug/mL	97
46) 2Nitroaniline	5.929	65	74371	13.5776	ug/mL	96
47) Acnaphthylene	6.154	152	541303	13.0667	ug/mL	99
48) Dimethylphtha	6.151	163	373623	13.1990	ug/mL	100
49) 26Dinitrotolu	6.182	165	87836	12.8602	ug/mL	90
50) Acenaphthene	6.307	154	310021	13.3370	ug/mL	99
51) 3Nitroaniline	6.304	138	63769	10.0441	ug/mL	93
52) 24Dinitphenol	6.409	184	8484	4.3971	ug/mL	84
53) Dibenzofuran	6.446	168	491165	13.7418	ug/mL	98
54) 24Dinitrotolu	6.492	165	116907	13.6406	ug/mL	97
55) 4-Nitrophenol	6.520	139	65359	13.4189	ug/mL	85
56) 2,3,5,6-Tetrachlorop	6.532	232	63579	9.4732	ug/mL	94
57) 2,3,4,6-Tetrachlorop	6.563	232	89554	11.1978	ug/mL	93
58) Fluorene	6.691	166	364645	13.3364	ug/mL	98
59) 4Clphlphlethr	6.722	204	179897	12.8294	ug/mL	97
60) Diethylphthal	6.688	149	359810	12.9263	ug/mL	98
61) 4Nitroaniline	6.747	138	74697	11.8608	ug/mL	95
64) 46Dinit2mylph	6.773	198	30835	6.6489	ug/mL	91
65) Ntrsdiphlam&Diphlam	6.810	169	466940	32.6046	ug/mL	97
66) Azobenz&12Diphlhyd	6.824	182	155921	30.7320	ug/mL	89
67) 4Brphlphlethr	7.032	248	102929	13.6141	ug/mL	97
68) Hexaclbenzene	7.043	284	110702	13.9121	ug/mL	99
69) Pentaclphenol	7.188	266	32188	6.4253	ug/mL	88
70) Phenanthrene	7.293	178	500887	14.4481	ug/mL	100
71) Anthracene	7.324	178	519248	14.4183	ug/mL	99
72) Carbazole	7.435	167	486077	14.2909	ug/mL	99
73) Dinbtylphthal	7.671	149	693188	14.9940	ug/mL	100
74) Fluoranthene	7.981	202	589959	14.4759	ug/mL	98
76) Benzidine	0.000		0	N.D.		
77) Pyrene	8.108	202	574278	14.8359	ug/mL	99
79) Btylbzylphth	8.467	149	147643	13.6208	ug/mL	96
80) bis2Ethlhxlad	8.523	129	119024	13.4877	ug/mL	100
81) 33Diclbnzidin	8.719	252	28744	6.1453	ug/mL	97
82) B[a]anthracen	8.714	228	229380	13.1353	ug/mL	99
83) Chrysene	8.731	228	224489	13.8558	ug/mL	99
84) bis2Ethlhxlph	8.776	149	287523	19.9029	ug/mL	97
85) Dinoctylphthl	9.126	149	380721	14.1793	ug/mL	99
87) B[b]fluoranth	9.276	252	225857	12.8962	ug/mL	97
88) B[k]fluoranth	9.291	252	224935	13.9236	ug/mL	99
89) Benz[a]pyrene	9.447	252	228532	13.3484	ug/mL	99
90) Indeno-pyrene	10.026	276	251419	13.3513	ug/mL	97
91) Dib[ah]anthr	10.041	278	199557	14.2596	ug/mL	97
92) B[ghi]perylen	10.154	276	220719	13.1221	ug/mL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\337815SR.D Vial: 27
Acq On : 23 Aug 2013 13:48 Operator: RPN
Sample : 97038,MSS337815, Inst : SVMS1
Misc : 338952,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 09:39:35 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 09:35:55 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\337815DR.D Vial: 28
Acq On : 23 Aug 2013 14:06 Operator: RPN
Sample : 97038,MSDS337815, Inst : SVMS1
Misc : 338953,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:12:38 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 09:35:55 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.721	152	160550	20.00	ug/mL	0.00
21) Naphthalened8	4.097	136	592915	20.00	ug/mL	0.00
39) Acenaphthened10	6.282	164	466886	20.00	ug/mL	0.00
63) Phenanthrd10	7.282	188	681891	20.00	ug/mL	0.00
75) Chrysene-d12	8.720	240	306954	20.00	ug/mL	0.00
86) Perylene-d12	9.478	264	314252	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.897	112	269954	61.68	%REC	0.02
Spiked Amount 100.000	Range 20 - 110		Recovery = 61.68%			
7) SURRPhenol-d5	2.480	99	301659	64.62	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 64.62%			
22) SURRNitrbenzened5	3.267	82	117141	68.17	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 68.17%			
44) SURR2Flbiphenyl	5.696	172	429466	69.97	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 69.97%			
62) SURR246Tribrphenl	6.861	330	95336	61.71	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 61.71%			
78) SURRTerphenyl-d14	8.214	244	229811	75.08	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 75.08%			
Target Compounds						Qvalue
2) Ntrsdimeth	1.318	74	71663	12.2606	ug/mL	98
3) Pyridine	1.335	79	56361	5.1383	ug/mL	92
5) Aniline	2.474	93	18063	1.2575	ug/mL#	1
6) bis2Clethletr	2.537	93	127622	13.1356	ug/mL	89
8) Phenol	2.488	94	165238	12.0595	ug/mL	98
9) 2-Cl-phenol	2.557	128	153024	13.1046	ug/mL	98
10) 13Diclbenz	2.667	146	168421	12.3731	ug/mL	97
11) 14Diclbenz	2.736	146	165919	12.8847	ug/mL	99
12) 12Diclbenz	2.863	146	161256	12.6476	ug/mL	99
13) Benzyl alcoho	2.971	108	11896	2.1139	ug/mL#	59
14) bis2clispreth	3.017	45	215079	13.1577	ug/mL	93
15) 2Methylphenol	3.017	107	91710	11.8078	ug/mL	97
16) Ntrspyrrol	3.113	100	58304	13.9446	ug/mL	93
17) Acetophenone	3.122	105	172817	13.8398	ug/mL	99
18) Hexaclethane	3.182	117	63902	13.1676	ug/mL	94
19) N-Ntrsdinprop	3.150	70	76325	13.4700	ug/mL	97
20) 3&4Methylphenol	3.187	107	130900	13.9684	ug/mL	99
23) Nitrobenzene	3.287	77	108328	12.9532	ug/mL	98
24) Isophorone	3.579	82	216165	13.5100	ug/mL	100
25) 2-Nitrophenol	3.653	139	80568	13.6477	ug/mL	98
26) 24Dimthpheno	3.798	122	76426	9.2379	ug/mL	93
27) bis2clethoxym	3.903	93	148641	13.1924	ug/mL	95
28) 24Diclphenol	3.972	162	123881	13.2444	ug/mL	98
29) 124Triclbenz	4.045	180	142059	13.5131	ug/mL	99
30) Benzoic acid	3.889	122	14289	3.0872	ug/mL#	33
31) Naphthalene	4.122	128	375539	13.1641	ug/mL	99
32) 4-Cl-aniline	4.270	127	52666	4.3728	ug/mL	94
33) 26Diclphenol	4.256	162	106824	13.9777	ug/mL	95
34) Hexaclprop	4.244	213	80555	12.7322	ug/mL	98
35) Hexaclbutdien	4.335	225	73397	13.1124	ug/mL	96
36) 4Cl3methylphe	5.088	107	134192	12.8869	ug/mL	80
37) 2Methylnaphth	5.119	142	470736	16.2669	ug/mL	98
38) 1Methylnaphth	5.267	141	340386	13.2722	ug/mL	98
40) Hxclcycpentdi	5.389	237	83393	12.2165	ug/mL	93

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\337815DR.D Vial: 28
Acq On : 23 Aug 2013 14:06 Operator: RPN
Sample : 97038,MSDS337815, Inst : SVMS1
Misc : 338953,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:12:38 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 09:35:55 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

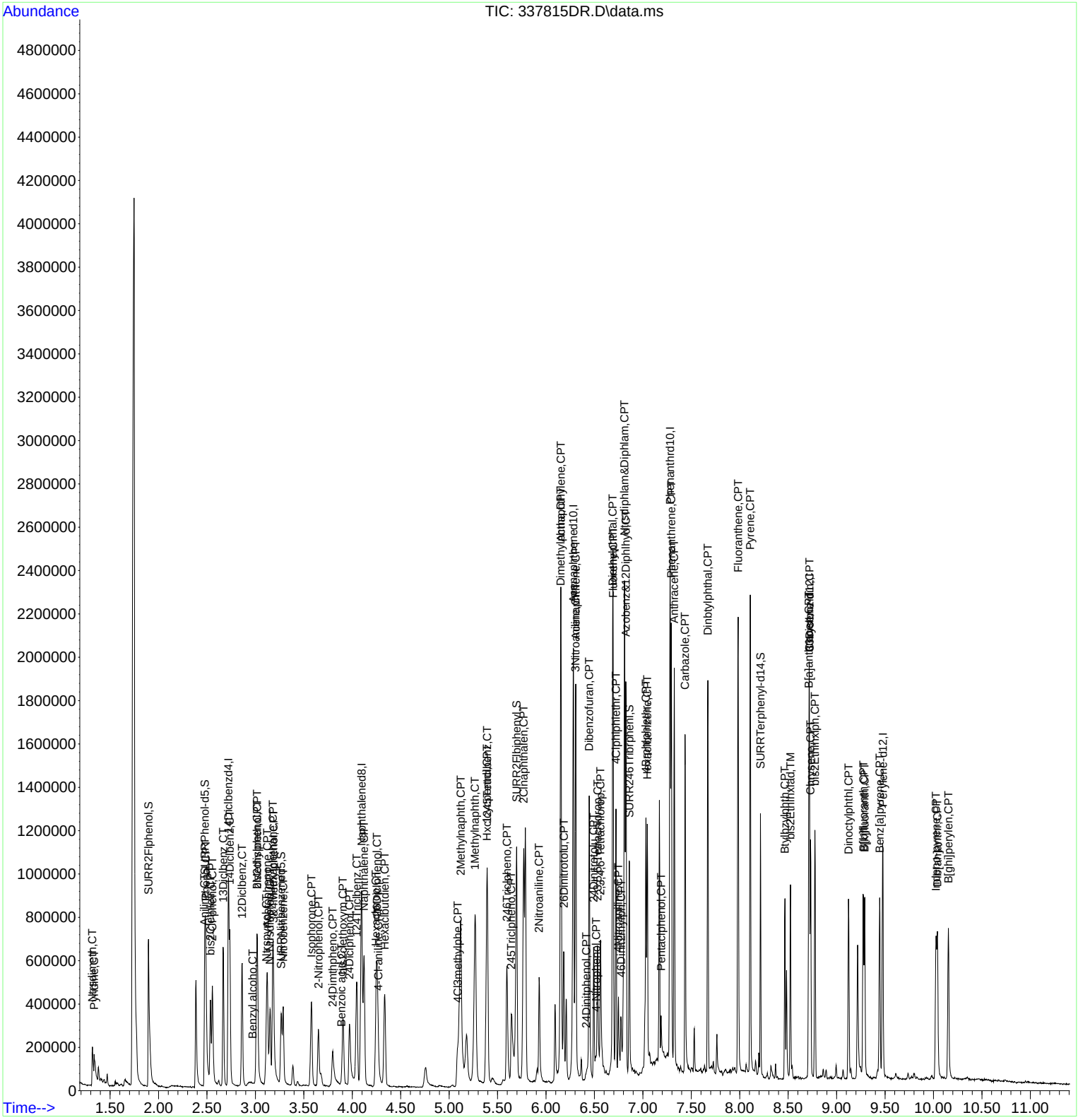
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1245Tetrclbenz	5.392	216	200725	13.9773	ug/mL	98
42) 246Triclpheno	5.597	196	122635	13.3519	ug/mL	97
43) 245Triclpheno	5.642	196	122703	12.2186	ug/mL	96
45) 2Clnaphthalen	5.770	162	379603	13.7049	ug/mL	96
46) 2Nitroaniline	5.929	65	76775	14.0436	ug/mL	96
47) Acnaphthylene	6.154	152	559148	13.5868	ug/mL	100
48) Dimethylphtha	6.151	163	367473	12.9785	ug/mL	100
49) 26Dinitrotolu	6.185	165	90435	13.2664	ug/mL	98
50) Acenaphthene	6.307	154	314010	13.5590	ug/mL	99
51) 3Nitroaniline	6.304	138	64353	10.1557	ug/mL	93
52) 24Dinitphenol	6.415	184	10633	4.8075	ug/mL	90
53) Dibenzofuran	6.446	168	511024	14.3250	ug/mL	97
54) 24Dinitrotolu	6.492	165	121603	14.2160	ug/mL	96
55) 4-Nitrophenol	6.517	139	68673	14.1266	ug/mL	77
56) 2,3,5,6-Tetrachlorop	6.532	232	66571	9.9382	ug/mL	97
57) 2,3,4,6-Tetrachlorop	6.563	232	90549	11.3441	ug/mL	91
58) Fluorene	6.694	166	377175	13.8978	ug/mL	100
59) 4Clphlphlethr	6.722	204	187863	13.5008	ug/mL	97
60) Diethylphthal	6.688	149	366927	13.2502	ug/mL	99
61) 4Nitroaniline	6.748	138	73160	11.6392	ug/mL	97
64) 46Dinit2mylph	6.776	198	34491	7.3798	ug/mL	95
65) Ntrsdiphlam&Diphlam	6.810	169	471693	32.6987	ug/mL	99
66) Azobenz&12Diphlhyd	6.824	182	153881	29.9929	ug/mL	93
67) 4Brphlphlethr	7.032	248	105851	13.8926	ug/mL	98
68) Hexaclbenzene	7.046	284	116644	14.5458	ug/mL	99
69) Pentaclphenol	7.188	266	31556	6.2505	ug/mL	90
70) Phenanthrene	7.293	178	531814	15.2219	ug/mL	100
71) Anthracene	7.324	178	535691	14.7602	ug/mL	100
72) Carbazole	7.435	167	512384	14.9482	ug/mL	100
73) Dinbtylphthal	7.671	149	715574	15.3588	ug/mL	100
74) Fluoranthene	7.984	202	657703	16.0137	ug/mL	98
76) Benzidine	0.000		0	N.D.		
77) Pyrene	8.109	202	619633	16.0373	ug/mL	100
79) Btylbzylphth	8.467	149	153185	14.1583	ug/mL	98
80) bis2Ethlhxlad	8.524	129	123598	14.0321	ug/mL	99
81) 33Diclbnzidin	8.720	252	37065	7.9390	ug/mL	96
82) B[a]anthracen	8.714	228	247850	14.2193	ug/mL	99
83) Chrysene	8.731	228	236587	14.6296	ug/mL	98
84) bis2Ethlhxlph	8.776	149	287255	19.9213	ug/mL	98
85) Dinoctylphthl	9.123	149	382904	14.2871	ug/mL	100
87) B[b]fluoranth	9.277	252	250722	14.0233	ug/mL	98
88) B[k]fluoranth	9.291	252	218039	13.2208	ug/mL	100
89) Benz[a]pyrene	9.444	252	246089	14.0801	ug/mL	99
90) Indeno-pyrene	10.027	276	263108	13.6865	ug/mL	95
91) Dib[ah]anthr	10.041	278	201322	14.0917	ug/mL	99
92) B[ghi]perylen	10.155	276	227164	13.2292	ug/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\337815DR.D Vial: 28
Acq On : 23 Aug 2013 14:06 Operator: RPN
Sample : 97038,MSDS337815, Inst : SVMS1
Misc : 338953,500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:12:38 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 09:35:55 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\1MDL10.D Vial: 4
Acq On : 23 Aug 2013 16:02 Operator: RPN
Sample : MDL 0.5/2.5ug/ml SVMS5798 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:22:22 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:19:22 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.718	152	184611	20.00	ug/mL	0.00
21) Naphthalened8	4.097	136	610295	20.00	ug/mL	0.00
39) Acenaphthened10	6.282	164	502537	20.00	ug/mL	0.00
63) Phenanthrd10	7.279	188	769181	20.00	ug/mL	0.00
75) Chrysene-d12	8.717	240	357249	20.00	ug/mL	0.00
86) Perylene-d12	9.475	264	335988	20.00	ug/mL	0.00
System Monitoring Compounds						
4) SURR2Flphenol	1.897	112	3937	0.78	%REC	0.02
Spiked Amount 100.000	Range 20 - 110		Recovery = 0.78%#			
7) SURRPhenol-d5	2.480	99	5861	1.09	%REC	0.00
Spiked Amount 100.000	Range 10 - 115		Recovery = 1.09%#			
22) SURRNitrbenzened5	3.270	82	4428	2.50	%REC	0.00
Spiked Amount 100.000	Range 40 - 110		Recovery = 2.50%#			
44) SURR2Flbiphenyl	5.696	172	19855	3.01	%REC	0.00
Spiked Amount 100.000	Range 50 - 110		Recovery = 3.01%#			
62) SURR246Tribrphenl	6.858	330	1913	1.15	%REC	0.00
Spiked Amount 100.000	Range 40 - 125		Recovery = 1.15%#			
78) SURRTerphenyl-d14	8.217	244	10727	3.01	%REC	0.00
Spiked Amount 100.000	Range 50 - 135		Recovery = 3.01%#			
Target Compounds						Qvalue
2) Ntrsdimeth	1.306	74	2152	0.3202	ug/mL#	44
3) Pyridine	1.380	79	3684	0.2921	ug/mL	67
5) Aniline	2.474	93	7585	0.4592	ug/mL#	12
6) bis2Clethletr	2.539	93	5087	0.4553	ug/mL#	77
8) Phenol	2.488	94	33366	2.1178	ug/mL	92
9) 2-Cl-phenol	2.554	128	32117	2.3919	ug/mL	99
10) 13Diclbenz	2.667	146	8822	0.5636	ug/mL	93
11) 14Diclbenz	2.733	146	7601	0.5133	ug/mL	95
12) 12Diclbenz	2.861	146	7069	0.4822	ug/mL	92
13) Benzyl alcoho	0.000		0	N.D.		
14) bis2clispreth	3.024	45	10480	0.5576	ug/mL#	48
15) 2Methylphenol	3.014	107	22041	2.4680	ug/mL	88
16) Ntrspyrrol	3.136	100	1760	0.3661	ug/mL#	57
17) Acetophenone	3.128	105	6001	0.4179	ug/mL	78
18) Hexaclethane	3.179	117	3121	0.5593	ug/mL	84
19) N-Ntrsdinprop	3.145	70	3103	0.4762	ug/mL#	62
20) 3&4Methylphenol	3.184	107	49575	4.6007	ug/mL	94
23) Nitrobenzene	3.290	77	3187	0.3702	ug/mL	89
24) Isophorone	3.577	82	7787	0.4728	ug/mL	96
25) 2-Nitrophenol	3.653	139	14428	2.3744	ug/mL	94
26) 24Dimthpheno	3.793	122	24476	2.8743	ug/mL	90
27) bis2clethoxym	3.906	93	5363	0.4624	ug/mL	85
28) 24Diclphenol	3.977	162	25320	2.6299	ug/mL	93
29) 124Triclbenz	4.051	180	6009	0.5553	ug/mL	91
30) Benzoic acid	3.963	122	6741	1.4150	ug/mL#	22
31) Naphthalene	4.119	128	16652	0.5671	ug/mL	94
32) 4-Cl-aniline	4.290	127	6028	0.4862	ug/mL	76
33) 26Diclphenol	4.261	162	23545	2.9931	ug/mL	99
34) Hexaclprop	4.247	213	3212	0.4932	ug/mL	87
35) Hexaclbutdien	4.335	225	3466	0.6016	ug/mL	89
36) 4Cl3methylphe	5.114	107	24981	2.3307	ug/mL#	40
37) 2Methylnaphth	5.122	142	36106	1.2122	ug/mL	72
38) 1Methylnaphth	5.273	141	15517	0.5878	ug/mL	97
40) Hxclcycpentdi	5.392	237	1459	0.1986	ug/mL	91

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\1MDL10.D Vial: 4
Acq On : 23 Aug 2013 16:02 Operator: RPN
Sample : MDL 0.5/2.5ug/ml SVMS5798 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:22:22 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:19:22 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M

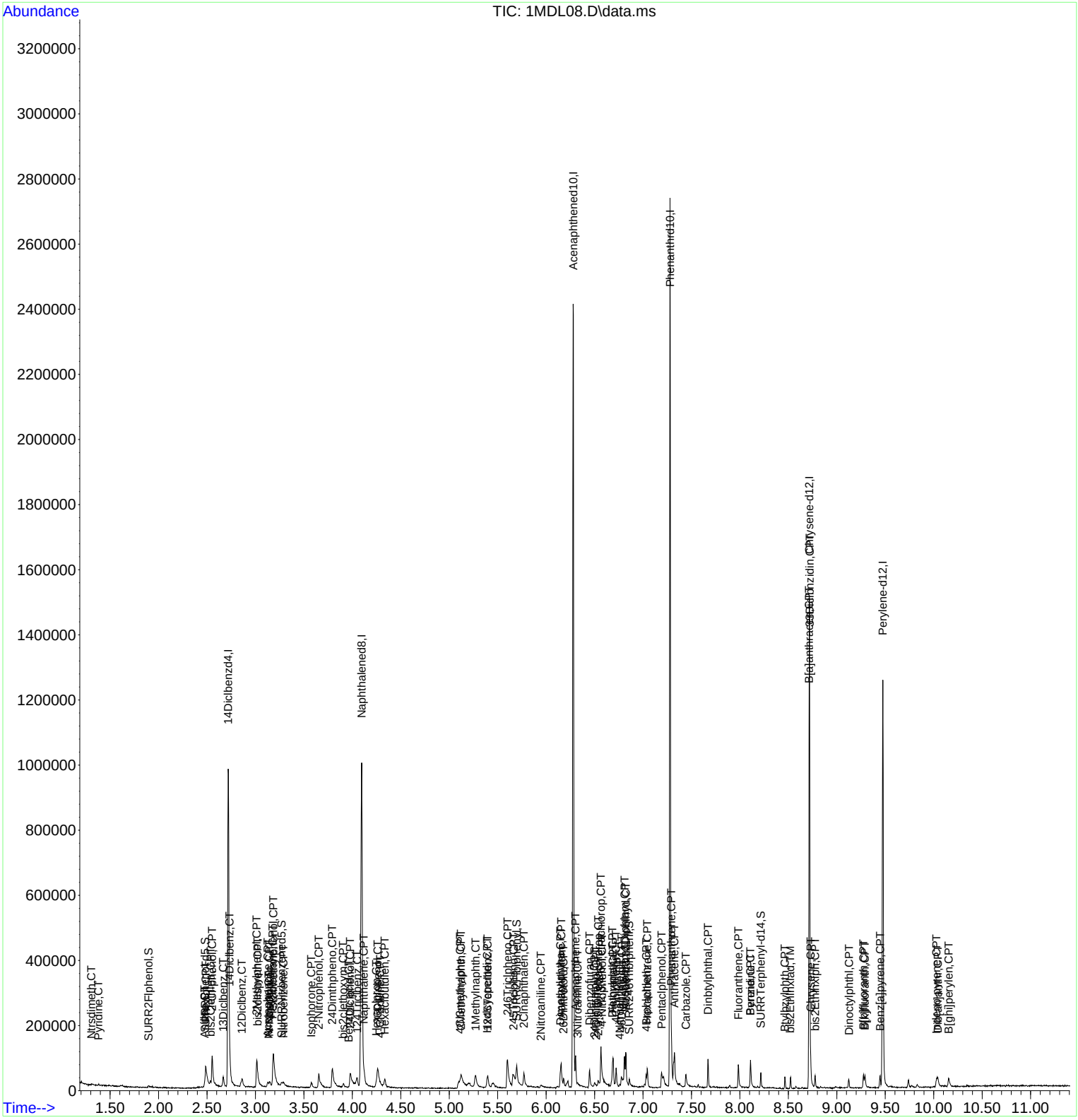
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1245Tetrclbenz	5.398	216	9311	0.6024 ug/mL	83
42) 246Triclpheno	5.603	196	22592	2.2852 ug/mL	88
43) 245Triclpheno	5.665	196	23465	2.1709 ug/mL	97
45) 2Clnaphthalen	5.770	162	16740	0.5615 ug/mL	94
46) 2Nitroaniline	5.946	65	2345	0.3985 ug/mL#	51
47) Acnaphthylene	6.157	152	26978	0.2699 ug/mL	94
48) Dimethylphtha	6.148	163	18736	0.3084 ug/mL	97
49) 26Dinitrotolu	6.179	165	3517	0.4793 ug/mL	91
50) Acenaphthene	6.304	154	14436	0.3587 ug/mL	91
51) 3Nitroaniline	6.324	138	3393	0.4975 ug/mL	93
52) 24Dinitphenol	6.517	184	1026	2.9824 ug/mL#	68
53) Dibenzofuran	6.449	168	23127	0.6023 ug/mL	100
54) 24Dinitrotolu	6.500	165	3735	0.4057 ug/mL	90
55) 4-Nitrophenol	6.577	139	8376	1.6008 ug/mL	78
56) 2,3,5,6-Tetrachlorop	6.540	232	2956	0.4100 ug/mL	86
57) 2,3,4,6-Tetrachlorop	6.566	232	22120	2.5746 ug/mL	96
58) Fluorene	6.691	166	18123	0.3357 ug/mL	92
59) 4Clphlphlethr	6.722	204	8542	0.3829 ug/mL	96
60) Diethylphthal	6.685	149	19379	0.3781 ug/mL	97
61) 4Nitroaniline	6.759	138	2789	0.4122 ug/mL	73
64) 46Dinit2mylph	6.779	198	7955	1.5089 ug/mL	98
65) Ntrsdiphlam&Diphlam	6.810	169	21594	0.5842 ug/mL	93
66) Azobenz&12Diphlhyd	6.824	182	7999	0.6380 ug/mL#	72
67) 4Brphlphlethr	7.035	248	4878	0.5676 ug/mL	98
68) Hexaclbenzene	7.043	284	5729	0.6333 ug/mL	94
69) Pentaclphenol	7.194	266	10530	1.8491 ug/mL	89
70) Phenanthrene	7.293	178	25652	0.6509 ug/mL	98
71) Anthracene	7.324	178	26484	0.6469 ug/mL	97
72) Carbazole	7.444	167	22835	0.5906 ug/mL	97
73) Dinbtylphthal	7.671	149	36026	0.6855 ug/mL	99
74) Fluoranthene	7.984	202	26829	0.5791 ug/mL	98
76) Benzidine	8.109	184	5493	0.4174 ug/mL	83
77) Pyrene	8.109	202	27036	0.6012 ug/mL	93
79) Btylbzylphth	8.464	149	6013	0.4775 ug/mL	93
80) bis2Ethlhxlad	8.521	129	4583	0.4471 ug/mL#	88
81) 33Diclbnzidin	8.720	252	3113	0.5729 ug/mL	91
82) B[a]anthracen	8.714	228	11192	0.5517 ug/mL	95
83) Chrysene	8.731	228	11149	0.5924 ug/mL	94
84) bis2Ethlhxlph	8.776	149	8414	0.5014 ug/mL	98
85) Dinoctylphthl	9.126	149	11276	0.3615 ug/mL	98
87) B[b]fluoranth	9.277	252	8716	0.4560 ug/mL	97
88) B[k]fluoranth	9.291	252	12149	0.6890 ug/mL	95
89) Benz[a]pyrene	9.447	252	11527	0.6169 ug/mL	92
90) Indeno-pyrene	10.029	276	11357	0.5526 ug/mL	91
91) Dib[ah]anthr	10.044	278	8201	0.5369 ug/mL	80
92) B[ghi]perylen	10.155	276	10738	0.5849 ug/mL	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\Data\1S082313\1MDL10.D Vial: 4
Acq On : 23 Aug 2013 16:02 Operator: RPN
Sample : MDL 0.5/2.5ug/ml SVMS5798 Inst : SVMS1
Misc : 500uL+5ul IS S2860A Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 14:22:22 2013

Quant Method : C:\INSTARCH\METHODS\1S080513.M
Quant Title : Method for 8270 analysis
QLast Update : Mon Aug 26 14:19:22 2013
Response via : Initial Calibration
DataAcq Meth:1S080513.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\2MRL01.D Vial: 3
Acq On : 22 Aug 2013 13:28 Operator: RPN
Sample : MRL 50ng/mL SVMS5715 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 22 13:41:25 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Thu Aug 22 13:03:01 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

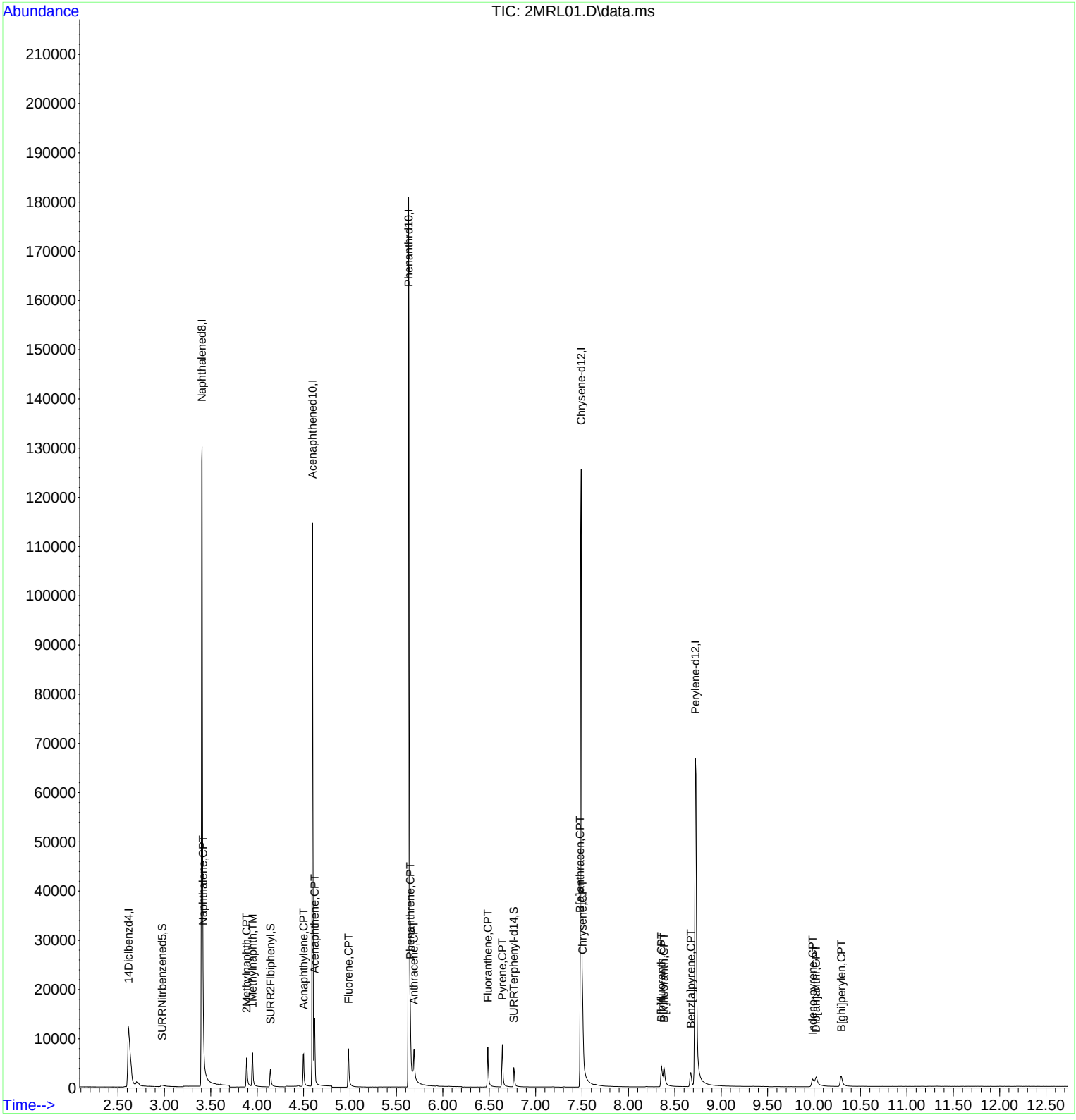
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.613	152	24449	1000.00	ng/mL	0.00
2) Naphthalened8	3.405	136	110217	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	67600	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	126924	1000.00	ng/mL	0.00
16) Chrysene-d12	7.491	240	115949	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	90997	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.976	82	1097	3.57	%REC	0.00
Spiked Amount 100.000			Recovery = 3.57%			
8) SURR2Flbiphenyl	4.143	172	3843	4.96	%REC	0.00
Spiked Amount 100.000			Recovery = 4.96%			
18) SURRTerphenyl-d14	6.765	244	3758	4.85	ng/mL	0.00
Spiked Amount 100.000			Recovery = 4.85%			
Target Compounds						Qvalue
4) Naphthalene	3.417	128	4893	50.3818	ng/mL	98
5) 2Methylnaphth	3.885	142	3194	55.9372	ng/mL	99
6) 1Methylnaphth	3.950	142	3531	47.7339	ng/mL	95
9) Acnaphthylene	4.501	152	4382	50.1467	ng/mL	99
10) Acenaphthene	4.619	154	3274	49.7911	ng/mL	93
11) Fluorene	4.983	166	3775	52.2749	ng/mL	83
13) Phenanthrene	5.649	178	6088	56.3208	ng/mL	99
14) Anthracene	5.690	178	5741	45.6386	ng/mL	98
15) Fluoranthene	6.485	202	6902	48.2321	ng/mL	100
17) Pyrene	6.641	202	6974	47.0930	ng/mL	98
19) B[a]anthracen	7.480	228	5068	55.4808	ng/mL	98
20) Chrysene	7.507	228	6396	45.3488	ng/mL	98
22) B[b]fluoranth	8.355	252	4684	54.1161	ng/mL	99
23) B[k]fluoranth	8.382	252	5511	44.1541	ng/mL	100
24) Benz[a]pyrene	8.673	252	4657	50.1095	ng/mL	97
25) Indeno-pyrene	9.985	276	2559	38.0745	ng/mL	96
26) Dib[ah]anthr	10.022	278	2466	51.1749	ng/mL	96
27) B[ghi]perylen	10.294	276	3447	51.9864	ng/mL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\2MRL01.D Vial: 3
Acq On : 22 Aug 2013 13:28 Operator: RPN
Sample : MRL 50ng/mL SVMS5715 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 22 13:41:25 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Thu Aug 22 13:03:01 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\2MBS01.D Vial: 5
Acq On : 22 Aug 2013 13:48 Operator: RPN
Sample : 96978,MBS, Inst : SVMS2
Misc : 338954,500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 15:06:17 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Fri Aug 23 15:04:52 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

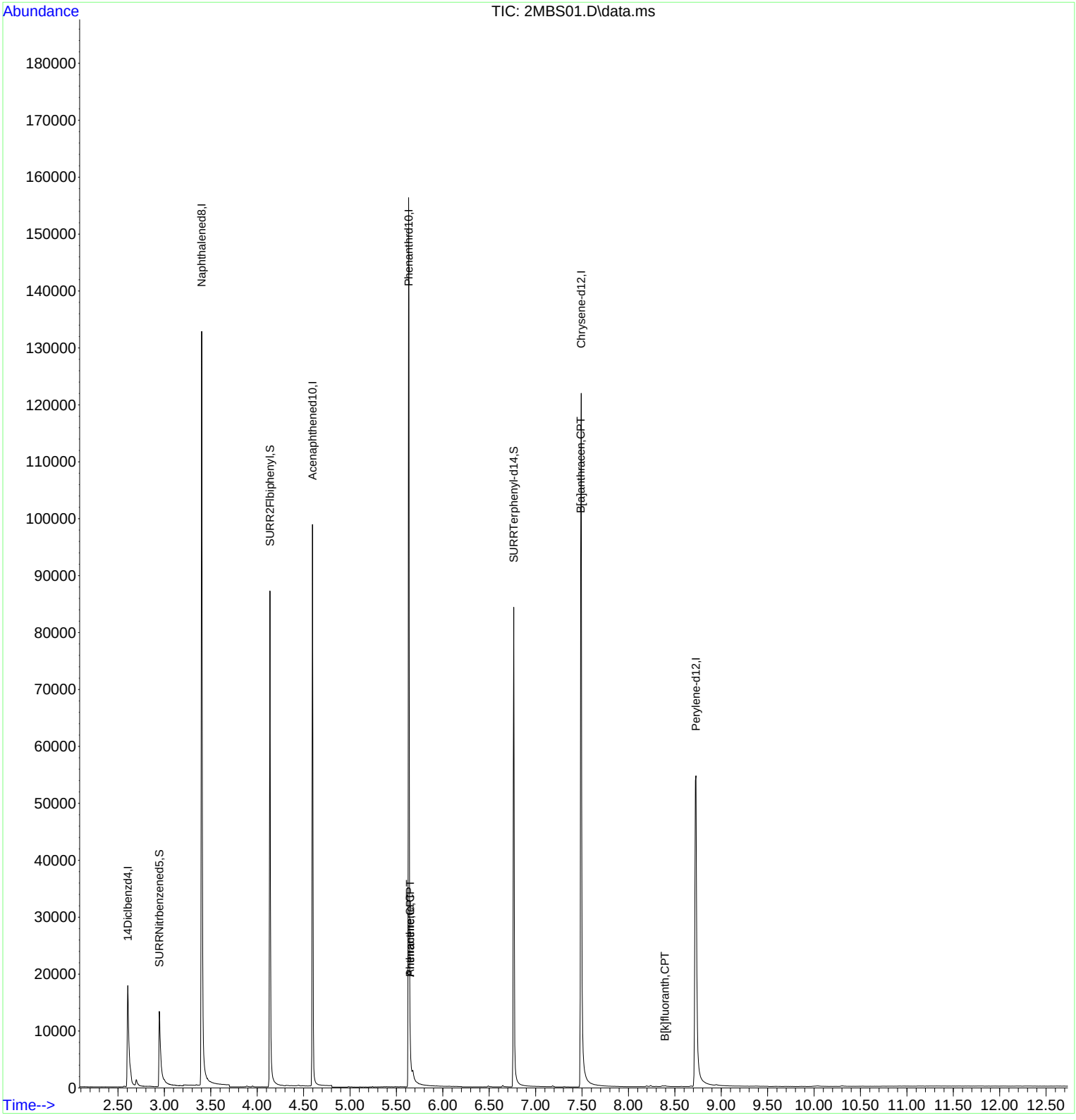
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.605	152	23753	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	100461	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	60349	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	114991	1000.00	ng/mL	0.00
16) Chrysene-d12	7.491	240	108470	1000.00	ng/mL	0.00
21) Perylene-d12	8.727	264	80717	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.946	82	20954	74.73	%REC	0.00
Spiked Amount 100.000			Recovery = 74.73%			
8) SURR2Flbiphenyl	4.138	172	61142	88.46	%REC	0.00
Spiked Amount 100.000			Recovery = 88.46%			
18) SURRTerphenyl-d14	6.765	244	64356	88.87	ng/mL	0.00
Spiked Amount 100.000			Recovery = 88.87%			
Target Compounds						Qvalue
13) Phenanthrene	5.647	178	358	3.6556	ng/mL	96
14) Anthracene	5.647	178	554	4.8611	ng/mL	99
19) B[a]anthracen	7.485	228	381	4.4585	ng/mL	69
23) B[k]fluoranth	8.393	252	234	2.1136	ng/mL	87

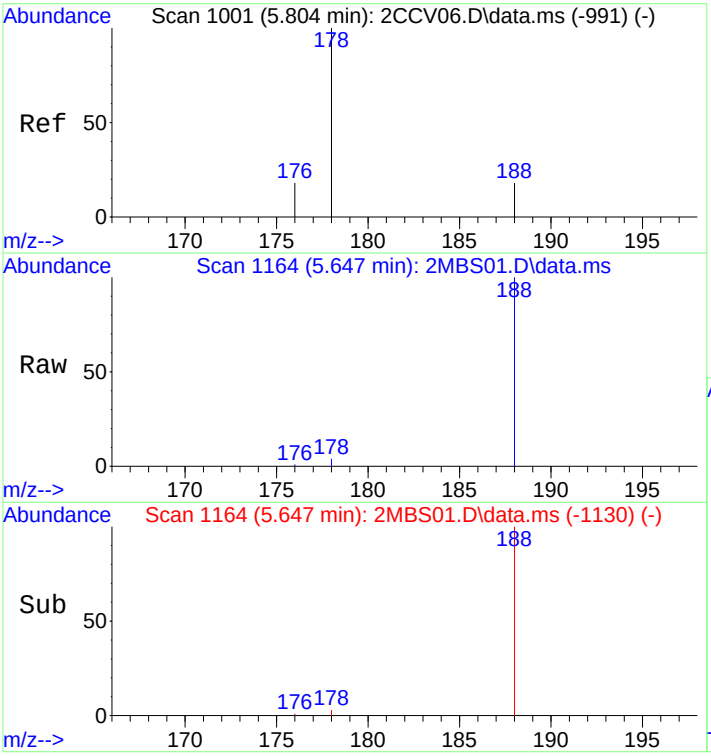
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\2MBS01.D Vial: 5
Acq On : 22 Aug 2013 13:48 Operator: RPN
Sample : 96978,MBS, Inst : SVMS2
Misc : 338954,500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 15:06:17 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Fri Aug 23 15:04:52 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

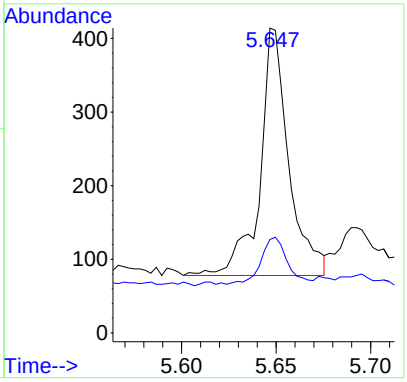


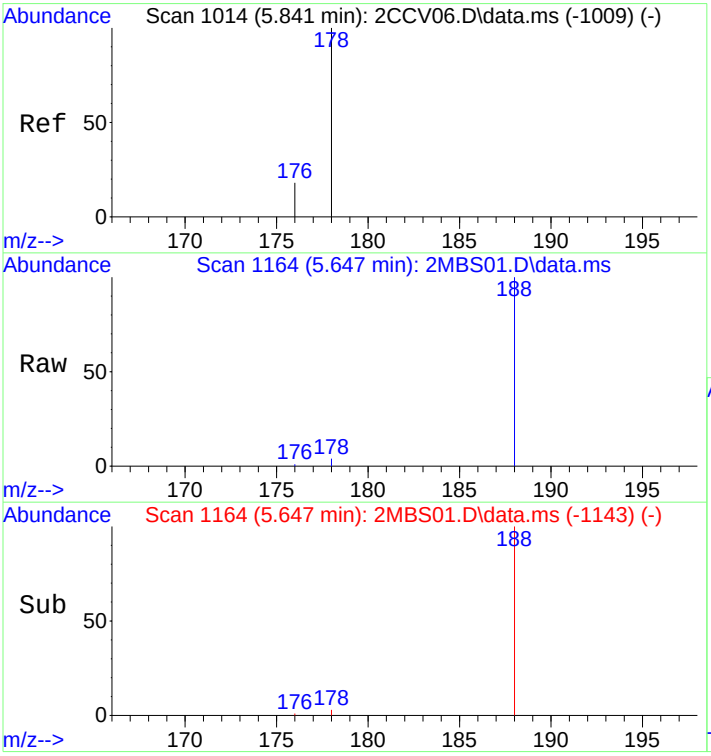


#13
Phenanthrene
Concen: 3.66 ng/mL
RT: 5.647 min Scan# 1164
Delta R.T. -0.003 min
Lab File: 2MBS01.D
Acq: 22 Aug 13 1:48 pm

Tgt Ion:178 Resp: 358

Ion	Ratio	Lower	Upper
178	100		
176	17.3	0.0	49.2

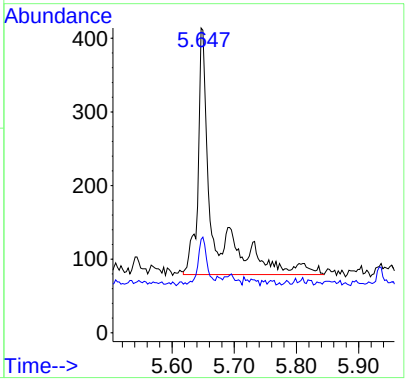


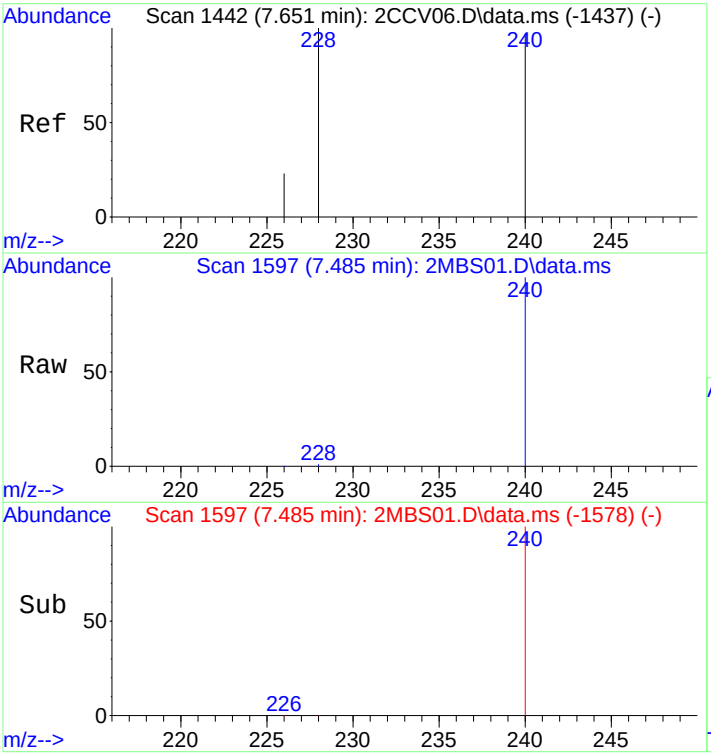


#14
Anthracene
Concen: 4.86 ng/mL
RT: 5.647 min Scan# 1164
Delta R.T. -0.040 min
Lab File: 2MBS01.D
Acq: 22 Aug 13 1:48 pm

Tgt Ion:178 Resp: 554

Ion	Ratio	Lower	Upper
178	100		
176	18.2	0.0	47.9

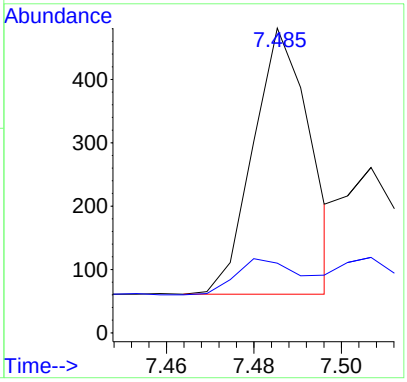


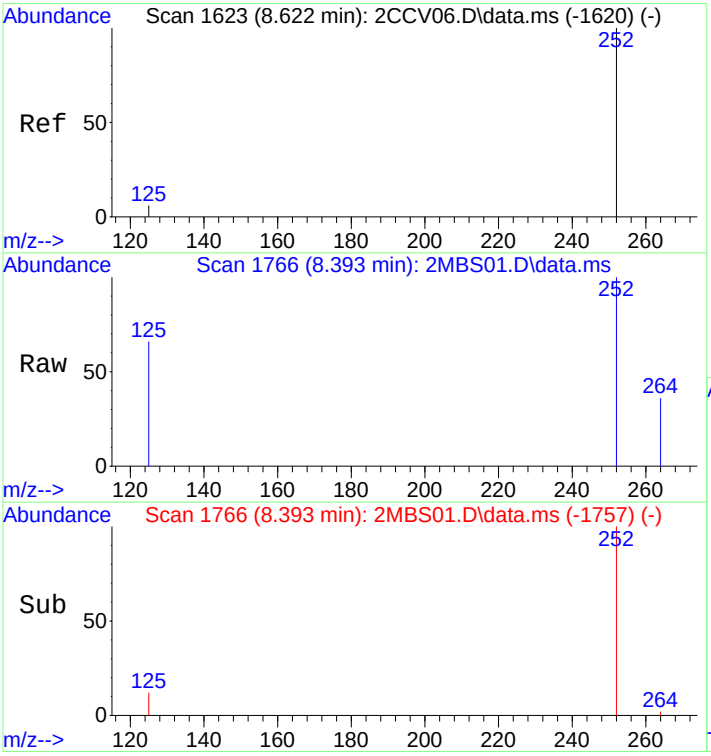


#19
B[a]anthracen
Concen: 4.46 ng/mL
RT: 7.485 min Scan# 1597
Delta R.T. 0.000 min
Lab File: 2MBS01.D
Acq: 22 Aug 13 1:48 pm

Tgt Ion:228 Resp: 381

Ion	Ratio	Lower	Upper
228	100		
226	11.9	0.0	58.4

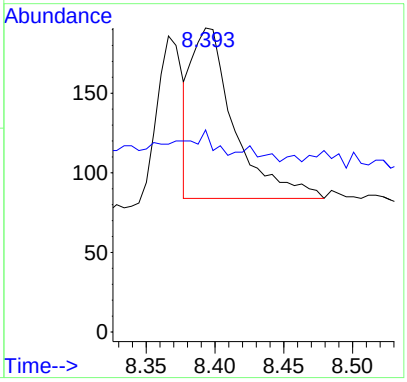




#23
B[k]fluoranth
Concen: 2.11 ng/mL
RT: 8.393 min Scan# 1766
Delta R.T. 0.011 min
Lab File: 2MBS01.D
Acq: 22 Aug 13 1:48 pm

Tgt Ion:252 Resp: 234

Ion	Ratio	Lower	Upper
252	100		
125	12.1	0.0	37.7



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\2LCSS01.D Vial: 6
Acq On : 22 Aug 2013 14:07 Operator: RPN
Sample : 96978,LCSS, Inst : SVMS2
Misc : 338955,500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 15:05:00 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Fri Aug 23 15:04:52 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

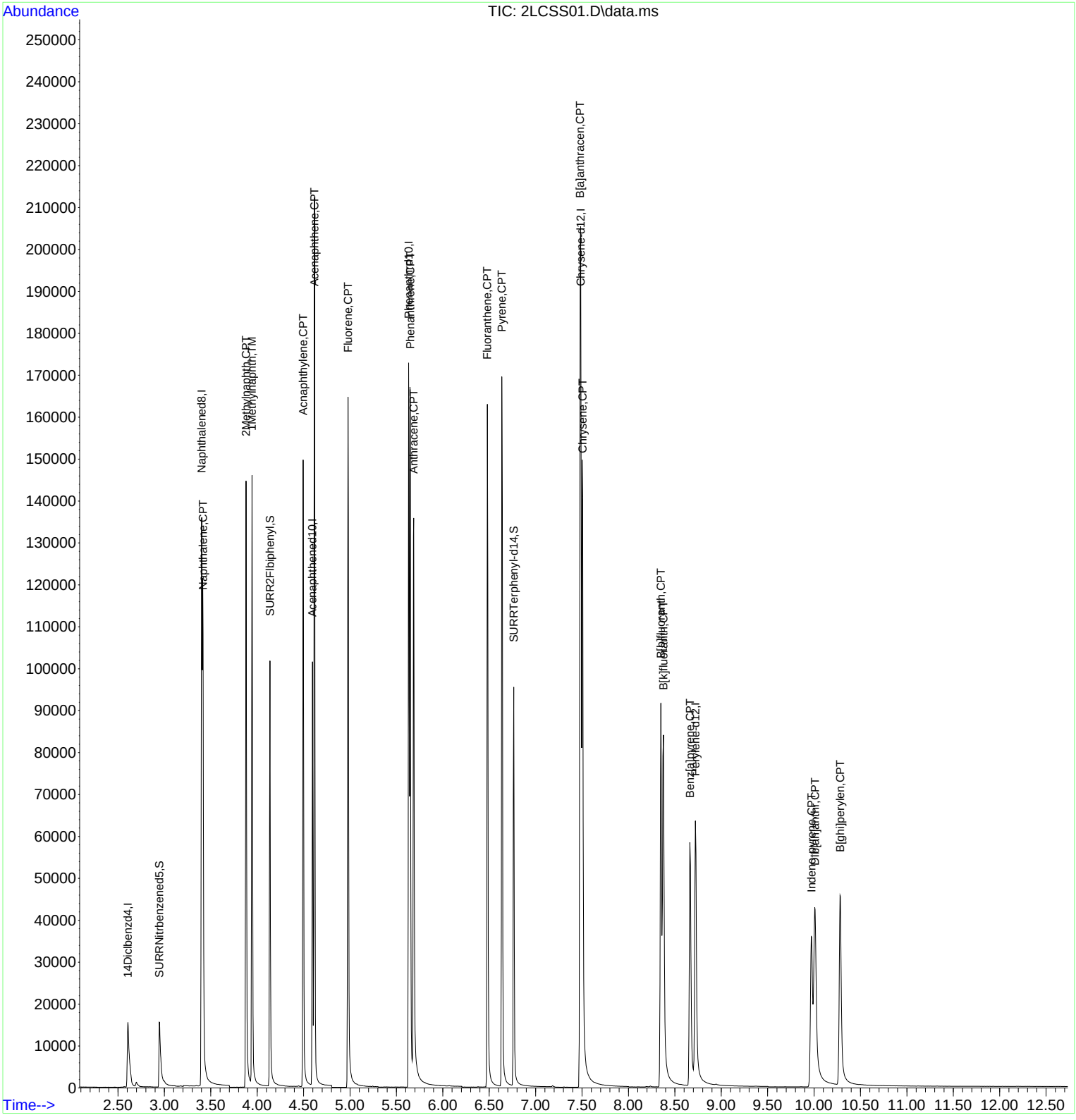
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.607	152	24230	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	102428	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	61318	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	116371	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	110289	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	83183	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.946	82	24714	86.45	%REC	0.00
Spiked Amount 100.000			Recovery = 86.45%			
8) SURR2Flbiphenyl	4.137	172	70781	100.79	%REC	0.00
Spiked Amount 100.000			Recovery = 100.79%			
18) SURRTerphenyl-d14	6.765	244	74558	101.26	ng/mL	0.00
Spiked Amount 100.000			Recovery = 101.26%			
Target Compounds						Qvalue
4) Naphthalene	3.417	128	77796	861.9578	ng/mL	98
5) 2Methylnaphth	3.880	142	55825	1052.0213	ng/mL	97
6) 1Methylnaphth	3.944	142	55176	802.6189	ng/mL	96
9) Acnaphthylene	4.495	152	75559	953.2673	ng/mL	97
10) Acenaphthene	4.618	154	52592	881.7618	ng/mL	91
11) Fluorene	4.978	166	64097	978.5258	ng/mL	70
13) Phenanthrene	5.650	178	96184	970.5015	ng/mL	96
14) Anthracene	5.687	178	97413	844.6187	ng/mL	98
15) Fluoranthene	6.480	202	119284	909.1641	ng/mL	95
17) Pyrene	6.636	202	120255	853.7148	ng/mL	93
19) B[a]anthracen	7.480	228	94954	1092.8331	ng/mL	92
20) Chrysene	7.507	228	111090	828.0697	ng/mL	96
22) B[b]fluoranth	8.350	252	86336	1091.1746	ng/mL	99
23) B[k]fluoranth	8.377	252	104970	920.0222	ng/mL	98
24) Benz[a]pyrene	8.662	252	76197	896.9001	ng/mL	100
25) Indeno-pyrene	9.974	276	71127	1157.6866	ng/mL	99
26) Dib[ah]anthr	10.011	278	51546	1170.1762	ng/mL	100
27) B[ghi]perylen	10.283	276	63089	1040.8648	ng/mL	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\2LCSS01.D Vial: 6
Acq On : 22 Aug 2013 14:07 Operator: RPN
Sample : 96978,LCSS, Inst : SVMS2
Misc : 338955,500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 15:05:00 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Fri Aug 23 15:04:52 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337815MS.D Vial: 20
Acq On : 22 Aug 2013 18:46 Operator: RPN
Sample : 96978,MSS337815, Inst : SVMS2
Misc : 338957,500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 15:20:53 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Fri Aug 23 15:14:26 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

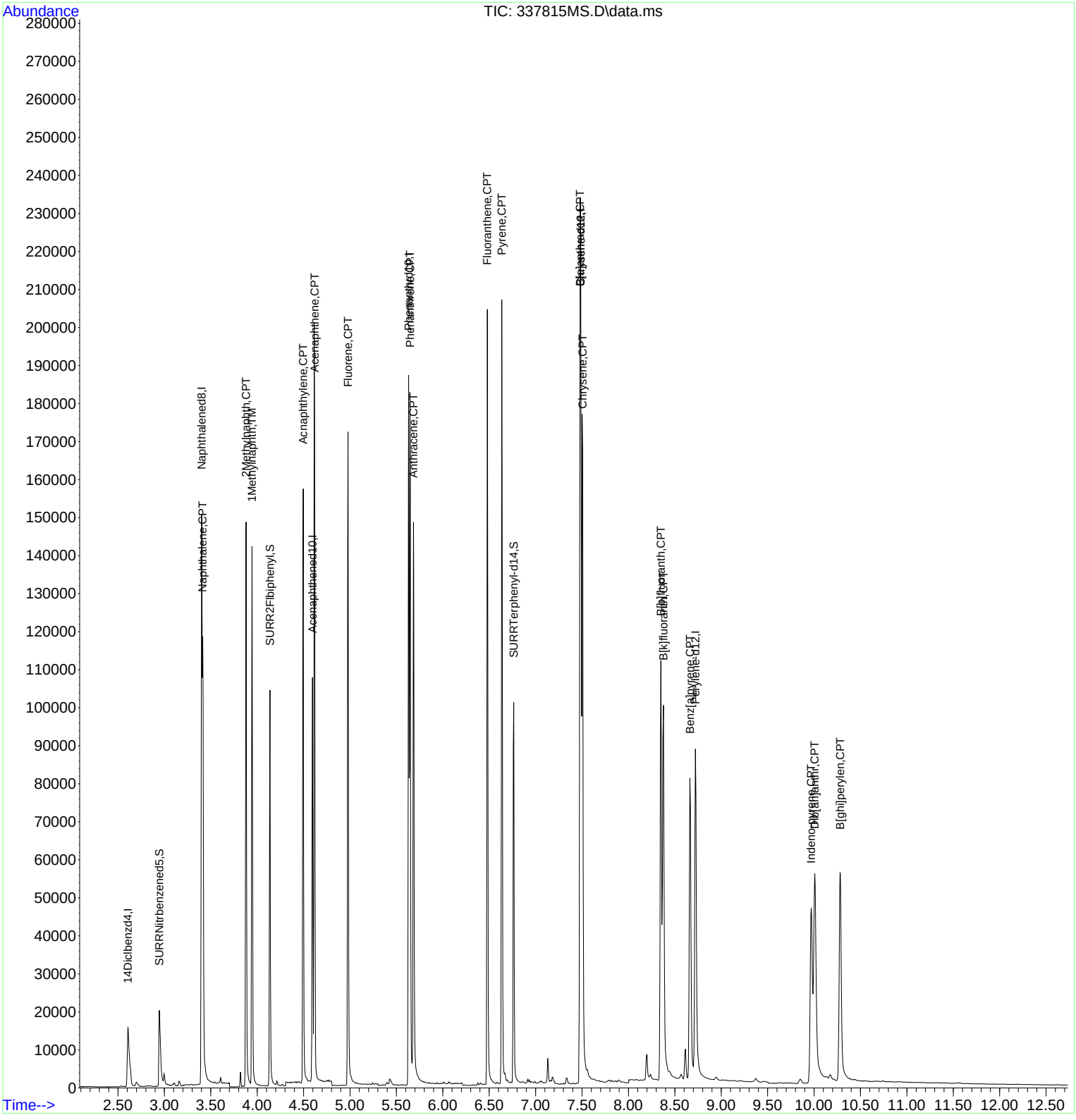
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.607	152	25489	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	107623	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	64944	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	123527	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	120141	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	106074	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.946	82	29792	99.18	%REC	0.00
Spiked Amount 100.000			Recovery = 99.18%			
8) SURR2Flbiphenyl	4.138	172	73100	98.28	%REC	0.00
Spiked Amount 100.000			Recovery = 98.28%			
18) SURRTerphenyl-d14	6.765	244	79907	99.63	ng/mL	0.00
Spiked Amount 100.000			Recovery = 99.63%			
Target Compounds						Qvalue
4) Naphthalene	3.413	128	74640	787.0711	ng/mL	92
5) 2Methylnaphth	3.880	142	55401	993.6353	ng/mL	98
6) 1Methylnaphth	3.944	142	52815	731.1897	ng/mL	97
9) Acnaphthylene	4.496	152	78395	933.8257	ng/mL	100
10) Acenaphthene	4.619	154	50870	805.2714	ng/mL	84
11) Fluorene	4.979	166	63083	909.2763	ng/mL	89
13) Phenanthrene	5.647	178	102847	977.6150	ng/mL	100
14) Anthracene	5.684	178	99179	810.1144	ng/mL	99
15) Fluoranthene	6.480	202	131706	945.6894	ng/mL	97
17) Pyrene	6.636	202	131945	859.8913	ng/mL	96
19) B[a]anthracen	7.480	228	113776	1202.0767	ng/mL	90
20) Chrysene	7.507	228	116520	797.3213	ng/mL	93
22) B[b]fluoranth	8.350	252	106300	1053.5647	ng/mL	99
23) B[k]fluoranth	8.377	252	104109	715.5616	ng/mL	99
24) Benz[a]pyrene	8.662	252	98461	908.8581	ng/mL	99
25) Indeno-pyrene	9.970	276	88795	1133.3673	ng/mL	99
26) Dib[ah]anthr	10.007	278	63662	1133.3452	ng/mL	99
27) B[ghi]perylen	10.283	276	75036	970.8139	ng/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337815MS.D Vial: 20
Acq On : 22 Aug 2013 18:46 Operator: RPN
Sample : 96978,MSS337815, Inst : SVMS2
Misc : 338957,500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 15:20:53 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Fri Aug 23 15:14:26 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337815SD.D Vial: 21
Acq On : 22 Aug 2013 19:06 Operator: RPN
Sample : 96978,MSDS337815, Inst : SVMS2
Misc : 338958,500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 15:22:40 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Fri Aug 23 15:14:26 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

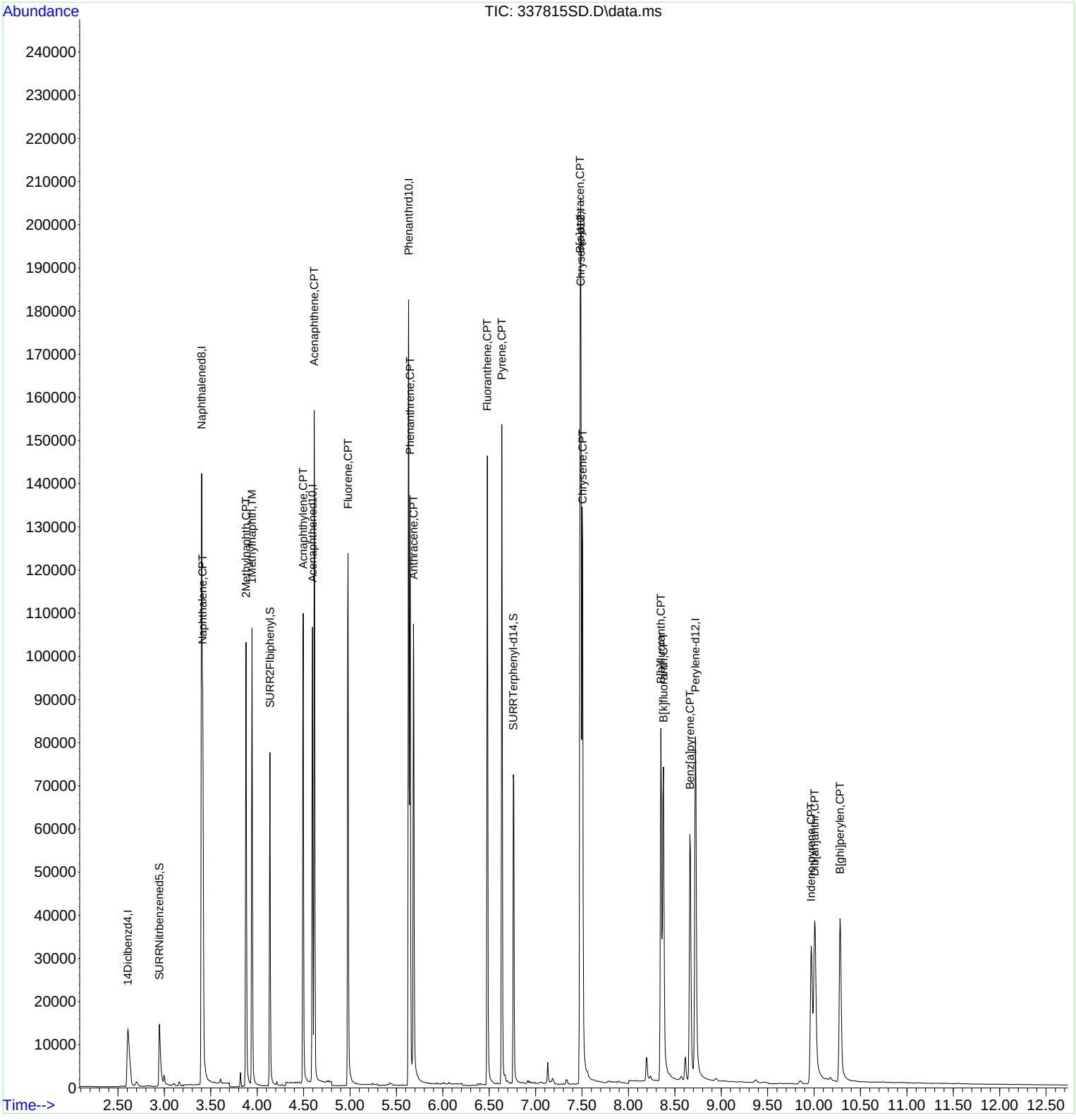
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.607	152	25397	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	107629	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	64857	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	123535	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	119735	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	102042	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.945	82	22215	73.95	%REC	0.00
Spiked Amount 100.000			Recovery = 73.95%			
8) SURR2Flbiphenyl	4.137	172	54613	73.52	%REC	0.00
Spiked Amount 100.000			Recovery = 73.52%			
18) SURRTerphenyl-d14	6.759	244	60021	75.09	ng/mL	0.00
Spiked Amount 100.000			Recovery = 75.09%			
Target Compounds						Qvalue
4) Naphthalene	3.413	128	56209	592.6851	ng/mL	94
5) 2Methylnaphth	3.880	142	41305	740.7776	ng/mL	97
6) 1Methylnaphth	3.944	142	39243	543.2638	ng/mL	97
9) Acnaphthylene	4.496	152	57913	690.7735	ng/mL	99
10) Acenaphthene	4.615	154	37605	596.0851	ng/mL	93
11) Fluorene	4.979	166	46524	671.4949	ng/mL	92
13) Phenanthrene	5.647	178	75286	715.5868	ng/mL	100
14) Anthracene	5.684	178	72445	591.7073	ng/mL	98
15) Fluoranthene	6.480	202	97040	696.7318	ng/mL	98
17) Pyrene	6.636	202	97319	636.3827	ng/mL	97
19) B[a]anthracen	7.480	228	83160	881.5889	ng/mL	91
20) Chrysene	7.507	228	85829	589.3009	ng/mL	92
22) B[b]fluoranth	8.350	252	74982	772.5293	ng/mL	100
23) B[k]fluoranth	8.377	252	76364	545.6038	ng/mL	99
24) Benz[a]pyrene	8.662	252	69690	668.7015	ng/mL	99
25) Indeno-pyrene	9.970	276	59729	792.4965	ng/mL	100
26) Dib[ah]anthr	10.007	278	42914	794.1653	ng/mL	98
27) B[ghi]perylen	10.279	276	50398	677.8125	ng/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\337815SD.D Vial: 21
Acq On : 22 Aug 2013 19:06 Operator: RPN
Sample : 96978,MSDS337815, Inst : SVMS2
Misc : 338958,500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 23 15:22:40 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Fri Aug 23 15:14:26 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\2MRL02.D Vial: 3
Acq On : 22 Aug 2013 19:45 Operator: RPN
Sample : MRL 50ng/mL SVMS5715 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 10:30:41 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 10:30:37 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

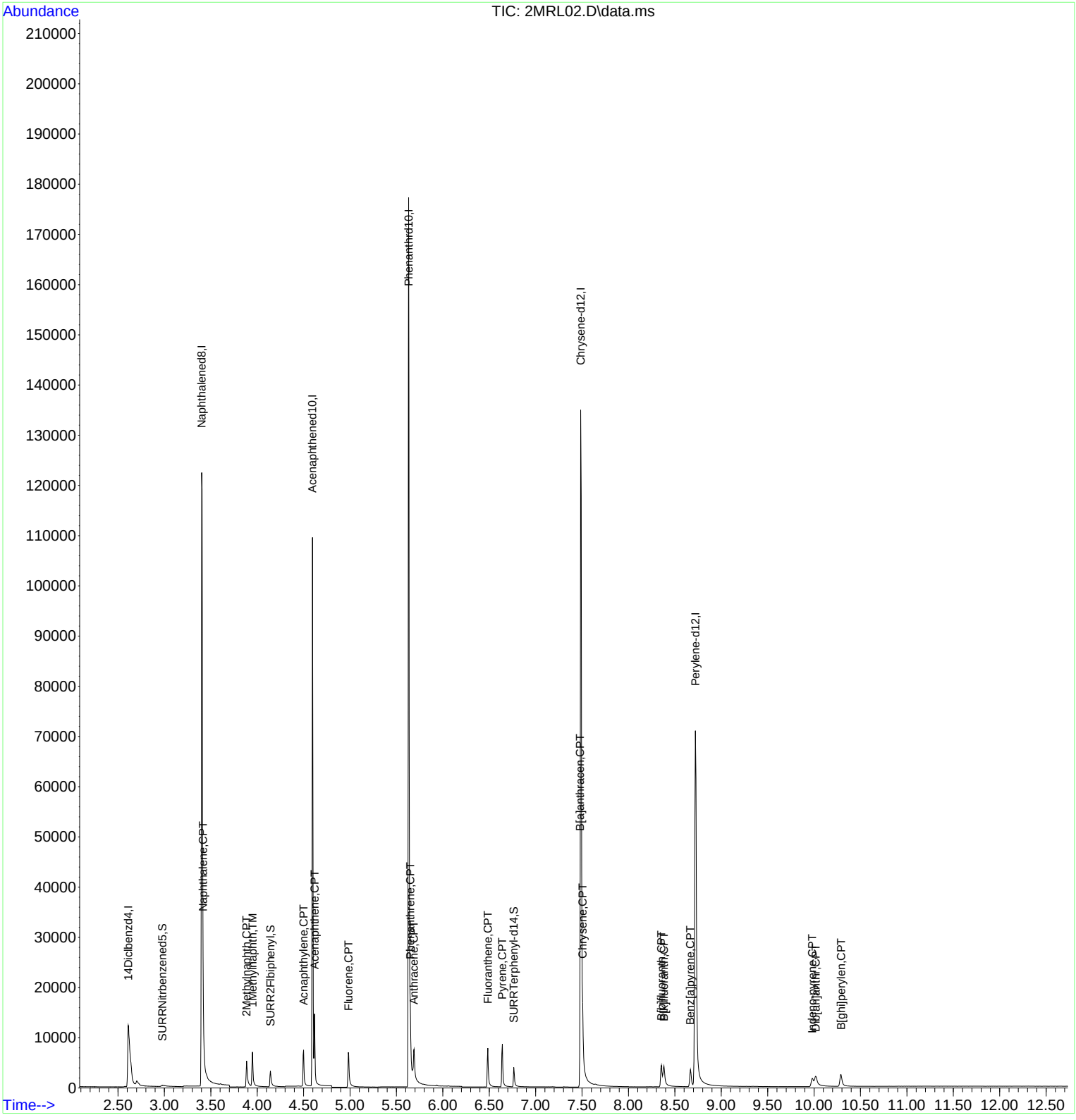
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.611	152	24127	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	110404	1000.00	ng/mL	0.00
7) Acenaphthened10	4.595	164	68161	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	127407	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	119532	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	96285	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.980	82	1159	3.76	%REC	0.03
Spiked Amount 100.000			Recovery = 3.76%			
8) SURR2Flbiphenyl	4.143	172	3785	4.85	%REC	0.00
Spiked Amount 100.000			Recovery = 4.85%			
18) SURRTerphenyl-d14	6.765	244	3736	4.68	ng/mL	0.00
Spiked Amount 100.000			Recovery = 4.68%			
Target Compounds						Qvalue
4) Naphthalene	3.416	128	4921	50.5843	ng/mL	99
5) 2Methylnaphth	3.885	142	3083	53.9018	ng/mL	90
6) 1Methylnaphth	3.950	142	3589	48.4358	ng/mL	86
9) Acnaphthylene	4.500	152	4673	53.0367	ng/mL	99
10) Acenaphthene	4.618	154	3295	49.6980	ng/mL	95
11) Fluorene	4.985	166	3871	53.1630	ng/mL	94
13) Phenanthrene	5.649	178	5954	54.8724	ng/mL	98
14) Anthracene	5.689	178	5845	46.2892	ng/mL	100
15) Fluoranthene	6.485	202	6979	48.5853	ng/mL	100
17) Pyrene	6.641	202	7065	46.2775	ng/mL	99
19) B[a]anthracen	7.480	228	5514	58.5538	ng/mL	93
20) Chrysene	7.507	228	6786	46.6717	ng/mL	99
22) B[b]fluoranth	8.355	252	4518	49.3315	ng/mL	99
23) B[k]fluoranth	8.382	252	5397	40.8659	ng/mL	99
24) Benz[a]pyrene	8.667	252	4693	47.7235	ng/mL	100
25) Indeno-pyrene	9.981	276	3957	55.6415	ng/mL	98
26) Dib[ah]anthr	10.018	278	2575	50.5021	ng/mL	97
27) B[ghi]perylen	10.291	276	3652	52.0532	ng/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082213\2MRL02.D Vial: 3
Acq On : 22 Aug 2013 19:45 Operator: RPN
Sample : MRL 50ng/mL SVMS5715 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 10:30:41 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 10:30:37 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Quantitation Report (Not Reviewed)

Data File : C:\INSTARCH\DATA\2S082313\2MRL01.D Vial: 3
Acq On : 23 Aug 2013 9:31 Operator: RPN
Sample : MRL 50ng/mL SVMS5715 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 27 10:01:50 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Tue Aug 27 09:56:19 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

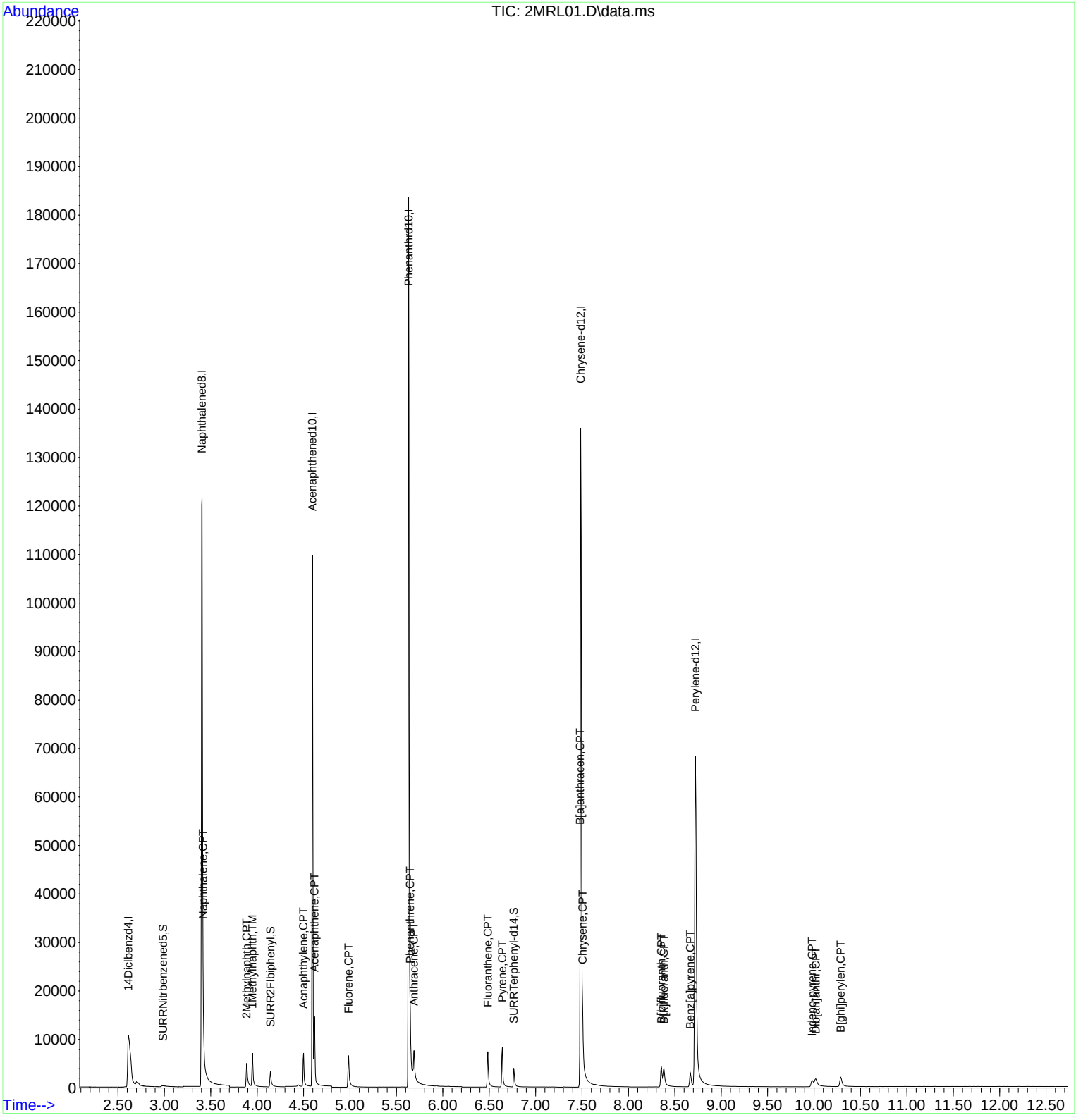
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.611	152	24482	1000.00	ng/mL	0.00
2) Naphthalened8	3.405	136	110864	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	69055	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	128957	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	119423	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	90457	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.986	82	1193	3.86	%REC	0.03
Spiked Amount 100.000			Recovery = 3.86%			
8) SURR2Flbiphenyl	4.143	172	3784	4.78	%REC	0.00
Spiked Amount 100.000			Recovery = 4.78%			
18) SURRTerphenyl-d14	6.765	244	3761	4.72	ng/mL	0.00
Spiked Amount 100.000			Recovery = 4.72%			
Target Compounds						Qvalue
4) Naphthalene	3.417	128	4819	49.3303	ng/mL	100
5) 2Methylnaphth	3.885	142	3088	53.7652	ng/mL	90
6) 1Methylnaphth	3.950	142	3617	48.6111	ng/mL	85
9) Acnaphthylene	4.500	152	4371	48.9668	ng/mL	99
10) Acenaphthene	4.618	154	3255	48.4591	ng/mL	96
11) Fluorene	4.986	166	3796	51.4581	ng/mL	93
13) Phenanthrene	5.650	178	5964	54.3039	ng/mL	97
14) Anthracene	5.690	178	5680	44.4418	ng/mL	99
15) Fluoranthene	6.485	202	6862	47.1966	ng/mL	100
17) Pyrene	6.641	202	6908	45.2904	ng/mL	98
19) B[a]anthracen	7.480	228	5177	55.0254	ng/mL	93
20) Chrysene	7.507	228	6922	47.6505	ng/mL	96
22) B[b]fluoranth	8.355	252	4214	48.9767	ng/mL	99
23) B[k]fluoranth	8.382	252	5592	45.0705	ng/mL	99
24) Benz[a]pyrene	8.668	252	4432	47.9732	ng/mL	98
25) Indeno-pyrene	9.977	276	2896	43.3458	ng/mL	99
26) Dib[ah]anthr	10.018	278	1903	39.7272	ng/mL	99
27) B[ghi]perylen	10.287	276	3076	46.6680	ng/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\INSTARCH\DATA\2S082313\2MRL01.D Vial: 3
Acq On : 23 Aug 2013 9:31 Operator: RPN
Sample : MRL 50ng/mL SVMS5715 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 27 10:01:50 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Tue Aug 27 09:56:19 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Quantitation Report (Not Reviewed)

Data File : C:\INSTARCH\DATA\2S082313\337815DR.D Vial: 29
Acq On : 23 Aug 2013 17:45 Operator: RPN
Sample : 96978,MSDS337815, Inst : SVMS2
Misc : 338958,500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 13:00:06 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 12:55:08 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

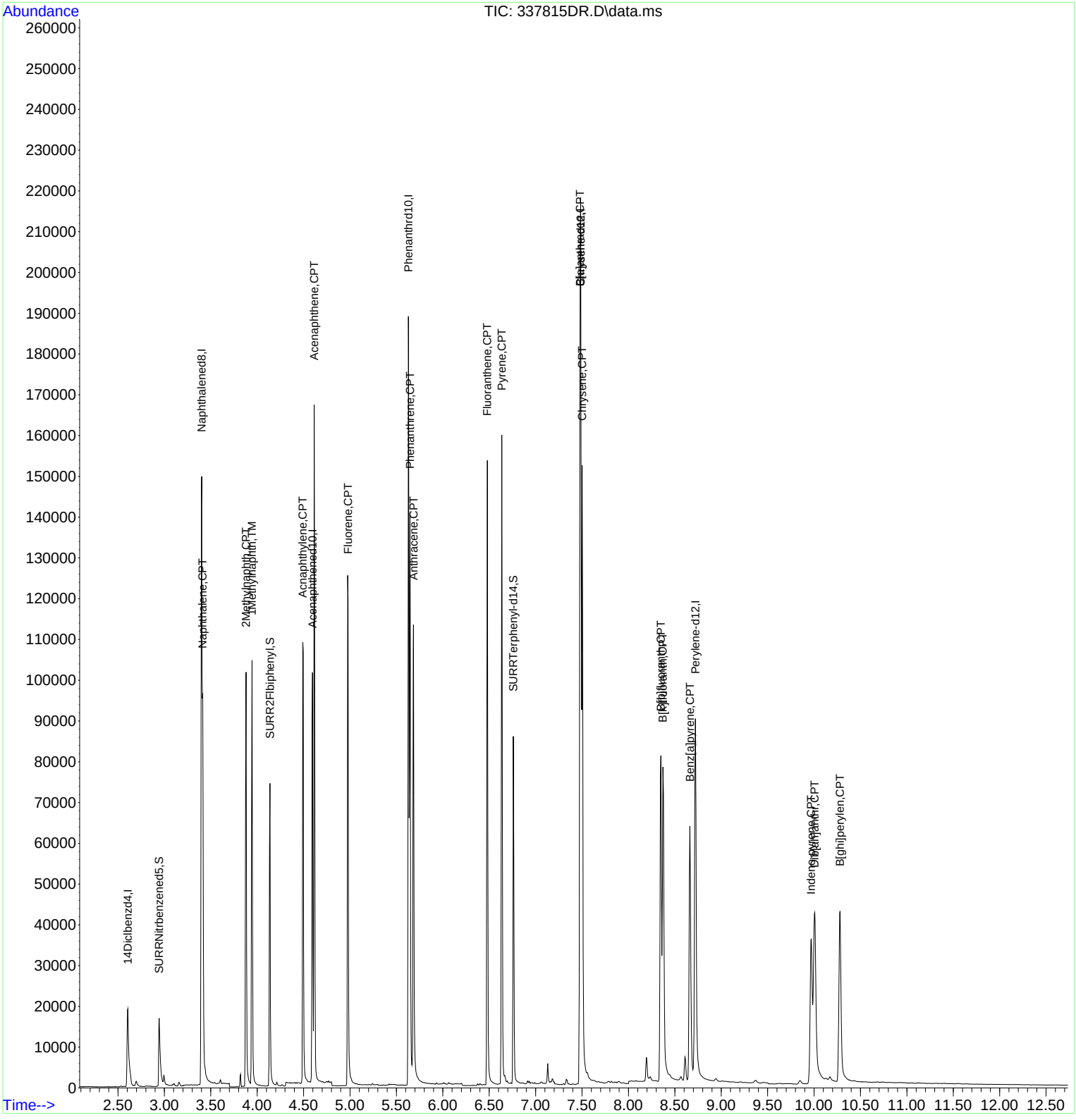
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.605	152	25908	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	109208	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	66593	1000.00	ng/mL	0.00
12) Phenanthrd10	5.630	188	127587	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	125496	1000.00	ng/mL	0.00
21) Perylene-d12	8.722	264	111103	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.944	82	23571	77.33	%REC	0.00
Spiked Amount 100.000			Recovery = 77.33%			
8) SURR2Flbiphenyl	4.138	172	55807	73.17	%REC	0.00
Spiked Amount 100.000			Recovery = 73.17%			
18) SURRTerphenyl-d14	6.760	244	62533	74.64	ng/mL	0.00
Spiked Amount 100.000			Recovery = 74.64%			
Target Compounds						Qvalue
4) Naphthalene	3.413	128	57435	596.8561	ng/mL	97
5) 2Methylnaphth	3.880	142	42027	742.8283	ng/mL	97
6) 1Methylnaphth	3.944	142	40027	546.1054	ng/mL	97
9) Acnaphthylene	4.492	152	59897	695.8137	ng/mL	92
10) Acenaphthene	4.615	154	38730	597.9137	ng/mL	98
11) Fluorene	4.979	166	48008	674.8505	ng/mL	100
13) Phenanthrene	5.647	178	78307	720.6631	ng/mL	98
14) Anthracene	5.684	178	75135	594.1887	ng/mL	99
15) Fluoranthene	6.480	202	100702	700.0621	ng/mL	100
17) Pyrene	6.636	202	101410	632.6926	ng/mL	99
19) B[a]anthracen	7.480	228	89436	904.5972	ng/mL	87
20) Chrysene	7.501	228	89048	583.3355	ng/mL	94
22) B[b]fluoranth	8.350	252	84016	795.0110	ng/mL	98
23) B[k]fluoranth	8.372	252	86365	566.7345	ng/mL	99
24) Benz[a]pyrene	8.662	252	76232	671.8190	ng/mL	98
25) Indeno-pyrene	9.970	276	64853	790.3062	ng/mL	99
26) Dib[ah]anthr	10.007	278	48404	822.7092	ng/mL	99
27) B[ghi]perylen	10.280	276	57492	710.1611	ng/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data File : C:\INSTARCH\DATA\2S082313\337815DR.D Vial: 29
Acq On : 23 Aug 2013 17:45 Operator: RPN
Sample : 96978,MSDS337815, Inst : SVMS2
Misc : 338958,500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 13:00:06 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 12:55:08 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082313\2MBS01R.D Vial: 30
Acq On : 23 Aug 2013 19:04 Operator: RPN
Sample : 96978,MBS, Inst : SVMS2
Misc : 339834,500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 12:58:08 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 12:55:08 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

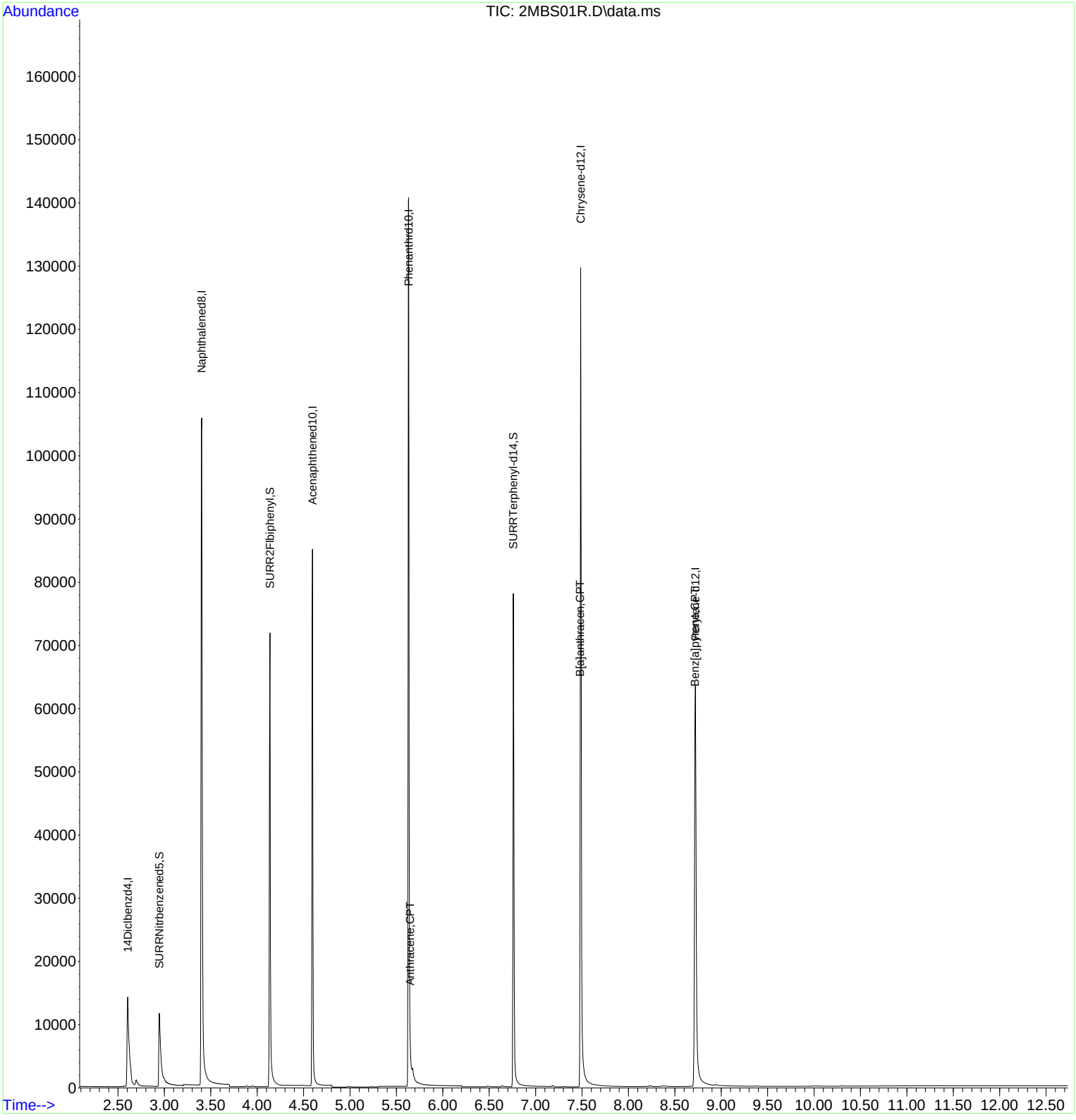
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.605	152	22448	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	94804	1000.00	ng/mL	0.00
7) Acenaphthened10	4.596	164	57140	1000.00	ng/mL	0.00
12) Phenanthrd10	5.632	188	107648	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	103276	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	81878	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.946	82	21725	82.11	%REC	0.00
Spiked Amount 100.000			Recovery = 82.11%			
8) SURR2Flbiphenyl	4.138	172	57364	87.66	%REC	0.00
Spiked Amount 100.000			Recovery = 87.66%			
18) SURRTerphenyl-d14	6.760	244	60913	88.35	ng/mL	0.00
Spiked Amount 100.000			Recovery = 88.35%			
Target Compounds						Qvalue
14) Anthracene	5.647	178	496	4.6491	ng/mL	97
19) B[a]anthracen	7.480	228	375	4.6090	ng/mL	75
24) Benz[a]pyrene	8.716	252	342	4.0898	ng/mL	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082313\2MBS01R.D Vial: 30
Acq On : 23 Aug 2013 19:04 Operator: RPN
Sample : 96978,MBS, Inst : SVMS2
Misc : 339834,500uL+5uL IS SVMS5791 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 26 12:58:08 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Mon Aug 26 12:55:08 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082313\2MRL02.D Vial: 3
Acq On : 23 Aug 2013 19:44 Operator: RPN
Sample : MRL 50ng/mL SVMS5715 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 27 10:04:49 2013

RPN
08/23/13

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Tue Aug 27 09:56:19 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M

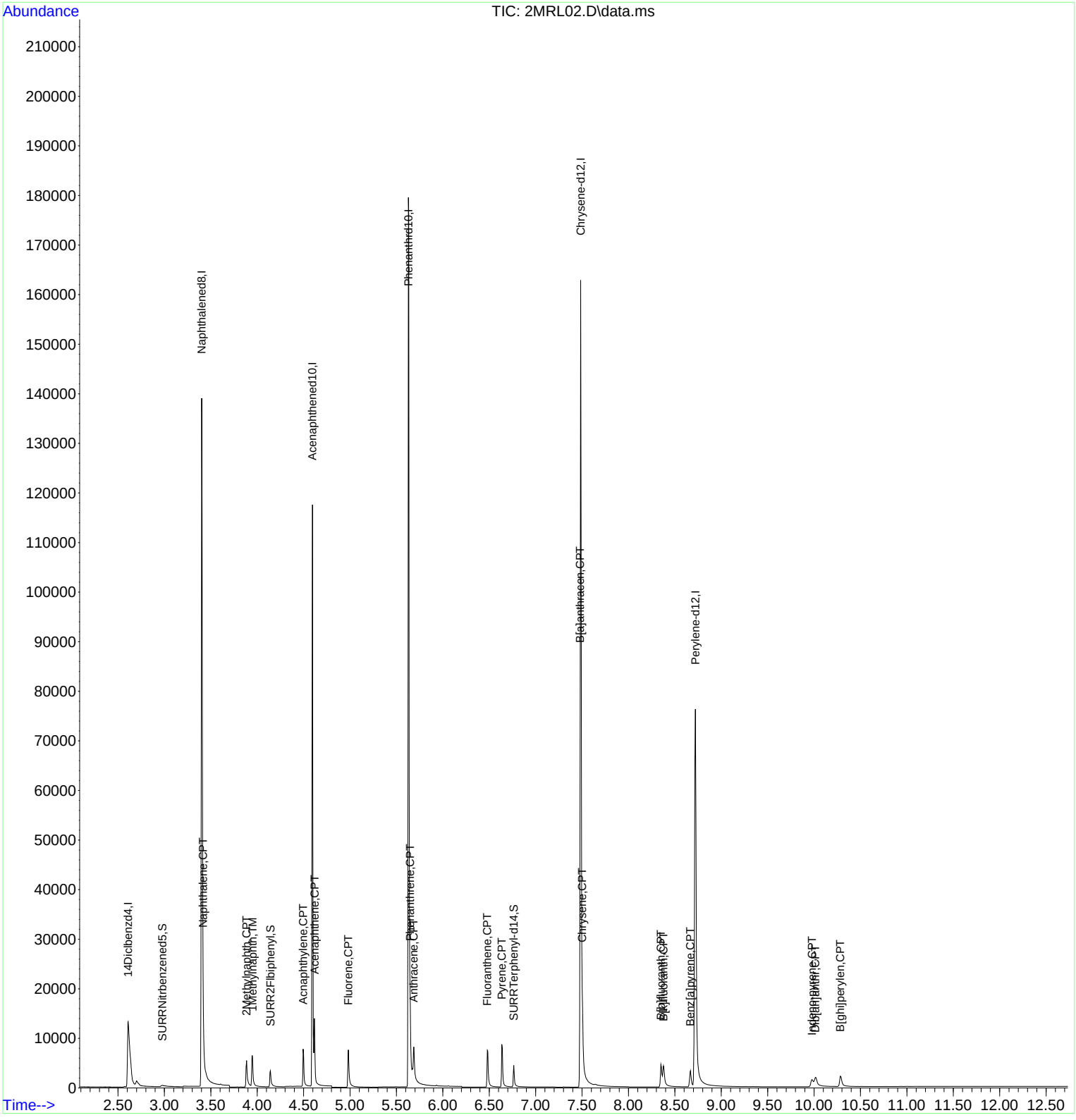
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 14Diclbenzd4	2.609	152	26021	1000.00	ng/mL	0.00
2) Naphthalened8	3.402	136	117263	1000.00	ng/mL	0.00
7) Acenaphthened10	4.595	164	72640	1000.00	ng/mL	0.00
12) Phenanthrd10	5.629	188	137374	1000.00	ng/mL	0.00
16) Chrysene-d12	7.485	240	129566	1000.00	ng/mL	0.00
21) Perylene-d12	8.721	264	97909	1000.00	ng/mL	0.00
System Monitoring Compounds						
3) SURRNitrbenzened5	2.978	82	1287	3.93	%REC	0.02
Spiked Amount 100.000			Recovery = 3.93%			
8) SURR2Flbiphenyl	4.143	172	4040	4.86	%REC	0.00
Spiked Amount 100.000			Recovery = 4.86%			
18) SURRTerphenyl-d14	6.765	244	4097	4.74	ng/mL	0.00
Spiked Amount 100.000			Recovery = 4.74%			
Target Compounds						Qvalue
4) Naphthalene	3.417	128	5059	48.9611	ng/mL	100
5) 2Methylnaphth	3.885	142	3276	53.9259	ng/mL	90
6) 1Methylnaphth	3.950	142	3754	47.6992	ng/mL	86
9) Acnaphthylene	4.495	152	4784	50.9485	ng/mL	95
10) Acenaphthene	4.618	154	3470	49.1104	ng/mL	88
11) Fluorene	4.982	166	4071	52.4624	ng/mL	86
13) Phenanthrene	5.647	178	6354	54.3101	ng/mL	99
14) Anthracene	5.687	178	6180	45.3913	ng/mL	99
15) Fluoranthene	6.480	202	7356	47.4944	ng/mL	94
17) Pyrene	6.636	202	7485	45.2317	ng/mL	93
19) B[a]anthracen	7.480	228	6014	58.9176	ng/mL	88
20) Chrysene	7.501	228	7081	44.9291	ng/mL	91
22) B[b]fluoranth	8.350	252	4938	53.0231	ng/mL	99
23) B[k]fluoranth	8.377	252	5732	42.6826	ng/mL	99
24) Benz[a]pyrene	8.668	252	4878	48.7820	ng/mL	99
25) Indeno-pyrene	9.977	276	3281	45.3706	ng/mL	97
26) Dib[ah]anthr	10.015	278	2312	44.5919	ng/mL	100
27) B[ghi]perylen	10.283	276	3315	46.4661	ng/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data File : C:\INSTARCH\DATA\2S082313\2MRL02.D Vial: 3
Acq On : 23 Aug 2013 19:44 Operator: RPN
Sample : MRL 50ng/mL SVMS5715 Inst : SVMS2
Misc : 500uL+5uL IS SVMS5788 Multiplr: 1.00
Integrator: RTE
Quant Time: Aug 27 10:04:49 2013

Quant Method : C:\INSTARCH\METHOD\2P080713.M
Quant Title : Method for 8270 analysis for instrument SVMS2
QLast Update : Tue Aug 27 09:56:19 2013
Response via : Initial Calibration
DataAcq Meth:2P080713.M



SEMI - VOLATILE ORGANIC ANALYSIS
LOGBOOK
DOCUMENTS

S SVOC 8270 SOIL Analytical Run
97038 on 8/22/2013

Date Analyzed: 8/22/2013, 8/23/2013 RPN 08/23/13 Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME		QC TYPE (Parent Sample)		CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
99211	337811	083SB-0001-M-0001-SO	8/12/2013	1512			ECC	RVAAP	SVOC 8270 QSM	45489	S	4	
99211	337812	083SB-0002-M-0001-SO	8/12/2013	1516			ECC	RVAAP	SVOC 8270 QSM	45489	S	4	
99211	337813	083SB-0003-M-0001-SO	8/12/2013	1141			ECC	RVAAP	SVOC 8270 QSM	45489	S	4	
99211	337815	083SB-0004-M-0001-SO	8/12/2013	1215	Designated MS/MSD		ECC	RVAAP	SVOC 8270 QSM	45489	S	4	
99211	337818	083SB-0005-M-0001-SO	8/12/2013	1245			ECC	RVAAP	SVOC 8270 QSM	45489	S	4	
99211	337820	083SB-0006-M-0001-SO	8/12/2013	1245			ECC	RVAAP	SVOC 8270 QSM	45489	S	4	
99211	337822	083SB-0008-M-0001-SO	8/12/2013	1315			ECC	RVAAP	SVOC 8270 QSM	45489	S	4	
99211	337824	083SB-0009-M-0001-SO	8/12/2013	1415			ECC	RVAAP	SVOC 8270 QSM	45489	S	4	
99211	337826	083SB-0011-M-0001-SO	8/12/2013	1440			ECC	RVAAP	SVOC 8270 QSM	45489	S	4	
99211	337828	083SB-0012-M-0001-SO	8/12/2013	1455			ECC	RVAAP	SVOC 8270 QSM	45489	S	4	
99211	337830	083SB-0013-M-0001-SO	8/12/2013	1510			ECC	RVAAP	SVOC 8270 QSM	45489	S	4	
99211	337832	083SB-0014-0001-SO	8/12/2013	1415			ECC	RVAAP	SVOC 8270 QSM	45489	S	4	
99211	337834	083SB-0015-M-0001-SO	8/12/2013	1514			ECC	RVAAP	SVOC 8270 QSM	45489	S	4	
	338949				MBS				SVOC 8270 QSM	45489			
	338950				LCSS				SVOC 8270 QSM	45489			
	338952	083SB-0004-M-0001-SO	8/12/2013	1215	MSS	337815			SVOC 8270 QSM	45489			
	338953	083SB-0004-M-0001-SO	8/12/2013	1215	MSDS	338952			SVOC 8270 QSM	45489			

17 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Page 952

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

PREP WORKSHEET
on 8/27/2013

Prep Batch **45,489** Date Prepped: 8/19/2013 Prepped JLH

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
	338949	MBS		SVOC 8270 QSM	SOLID	1.0	10.00			
	338950	LCSS		SVOC 8270 QSM	SOLID	1.0	10.00			
99211	337811			SVOC 8270 QSM	SOIL	1.0	10.02		N	
	337812			SVOC 8270 QSM	SOIL	1.0	10.00		N	
	337813			SVOC 8270 QSM	SOIL	1.0	10.01		N	
	337815	*		SVOC 8270 QSM	SOIL	1.0	9.96		N	
	337818			SVOC 8270 QSM	SOIL	1.0	10.01		N	
	337820			SVOC 8270 QSM	SOIL	1.0	9.98		N	
	337822			SVOC 8270 QSM	SOIL	1.0	10.03		N	
	337824			SVOC 8270 QSM	SOIL	1.0	10.03		N	
	337826			SVOC 8270 QSM	SOIL	1.0	10.00		N	
	337828			SVOC 8270 QSM	SOIL	1.0	10.05		N	
	337830			SVOC 8270 QSM	SOIL	1.0	9.98		N	
	337832			SVOC 8270 QSM	SOIL	1.0	9.98		N	
	337834			SVOC 8270 QSM	SOIL	1.0	10.00		N	
	338952	MSS	337815	SVOC 8270 QSM	SOIL	1.0	9.96			
	338953	MSDS	338952	SVOC 8270 QSM	SOIL	1.0	10.04			

Notes:_____

Method 8270-SV GC/MS Extraction Bench Sheet

(SOP Reference #'s 8270C, 8270D, 8270 SIM)

3510=WATER
3545=PFE or 3546=Microwave >>
(PFE=Pressurized Fluid Extraction)

Prep Batch #:	45489
Prep Method:	3546
Analyst:	JLH
Date:	8/19/2013
Start Time:	07:15
End Date:	8/22/2013
End Time:	14:00

Matrix: SOIL
Balance Used: SVSP402
Ave MW temp(°C): 110.0

Reagent Lots>>>

Sodium Sulfate	SV0081
Diatomaceous Earth	SV0059
Dionex Solution	1516
Methylene Chloride	49542
Acetone	40219
Sulfuric Acid	NA
Sodium Hydroxide	NA

Initial Concentration By: N/A
Date: N/A
GPC Cleanup? (yes/no): NO
Date: N/A
Final Concentration By: AMA
Date: 8/22/2013

Microwave Cell #	Sample ID	Comments		(Solids) Sample Weight (g)	(Liquids) Sample Volume (L)	Final Volume (ml)	ph Adj. <2 (Yes/No)	pH Adj. >12 Yes/No)
Q	338949	(MB)		10.00		1.0		
R	338950	(LCS)		10.00		1.0		
V	337811			10.02		1.0		
W	337812			10.00		1.0		
X	337813			10.01		1.0		
U	337815			9.96		1.0		
Y	337818			10.01		1.0		
Z	337820			9.98		1.0		
1	337822			10.03		1.0		
2	337824			10.03		1.0		
3	337826			10.00		1.0		
4	337828			10.05		1.0		
5	337830			9.98		1.0		
6	337832			9.98		1.0		
7	337834			10.00		1.0		
S	338952	(MS)	Parent Sample	9.96		1.0		
T	338953	(MSD)	337815	10.04		1.0		

MB=Method Blank, LCS=Laboratory Control Sample, MS=Matrix Spike & MSD=Matrix Spike Duplicate

MS/MSD/ LCS Spike Amount (ml): 1
Spike Concentration (ug/mL): 20
Spike Reference #: SVMS 5789

Surrogate Spike Amount (ml): 1
Surrogate Spike Conc. (ug/mL): 20/40
Surrogate Spike Reference #: SVMS 5785

Relinquished to: RPN
Date: 8/22/2013

Reviewed By: RED
Date: 8/22/2013

Table 4

8270 SVOC Analysis Data Review Checklist

Analytical Run #: 97038	**Independent Reviewer: RED**
Sequence Date: 8/22/2013, 8/23/2013	**Date of Review: 8/27/2013**
Analyst/Data Interpreter: RPN	**Approval: yes**

Instructions: Complete one checklist per *analytical run* . Enter the appropriate response for each question. Each "No" response requires an explanation in the Comments section, and may require the initiation of a Nonconformance Report.

Requirements:	Acceptance Criteria	Analyst Review		Independent Review		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
1. INITIAL CALIBRATION (ICAL)						
a. Was the initial calibration performed using a minimum of five standard concentration levels?	Lowest standard at or near MRL	**Yes**		**Yes**		
b. SPCC responses.	Avg. RRF ≥ 0.05	**Yes**		**Yes**		
c. Is the variation between calibration response factors for all concentration levels <20% RSD, is r >.995, or r^2 > 0.990 for the regression line. RSD≤ 15%, ≤ 30% for CCCs.	RSD≤ 15%, ≤ 30% for CCCs	**Yes**		**Yes**		
d. Were the standards used for the ICAL uniquely identified?		**Yes**		**Yes**		
e. Was there a DFTPP standard analyzed prior to the ICAL?		**Yes**		**Yes**		
f. Was an instrument blank (IB) analyzed prior to the ICAL?		**Yes**		**Yes**		
2. INITIAL CALIBRATION VERIFICATION (ICV)						
a. Were there a second source ICVs for all target analytes analyzed after the initial calibration and prior to analysis of any samples?	Second source	**Yes**		**Yes**		
b. Were the SPCC within QC limits	RRF ≥ 0.05	**Yes**		**Yes**		
c. Were the CCCs within QC limits	%D ≤ 20%	**Yes**		**Yes**		
d. Were the ICVs uniquely identified (i.e. Standard Number)?		**Yes**		**Yes**		
3. CONTINUING CALIBRATION VERIFICATION (CCV)						
a. Were CCVs for target analytes analyzed at the beginning of the sequence and after every 12 hours.		**Yes**		**Yes**		
b. Were SPCC compounds acceptable?	RRF ≥ 0.050	**Yes**		**Yes**		
c. Were the CCCs compounds acceptable?	%D ≤ 20%	**Yes**		**Yes**		
d. Were the recoveries for the CCVs acceptable?	%D≤20%	**Yes**		**Yes**		
e. Was each CCV uniquely identified (i.e. Standard Number)?		**Yes**		**Yes**		

Additional Comments:

Analytical Run #: 97038

Table 4

8270 SVOC Analysis Data Review Checklist

Requirements:	Acceptance Criteria	Analyst		Independent		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
4. DFTPP						
a. Was a DFTPP tune check ran at the beginning of every twelve hour shift?		**Yes**		**Yes**		
b. Were the relative abundance criteria met?		**Yes**		**Yes**		
c. Was the peak tailing <2 on Pentachlorophenol and <2 on Benzidine?	Tailing <2%	**Yes**		**Yes**		
d. Was the breakdown of DDT to DDE and DDD less than 20%	Breakdown ≤20%	**Yes**		**Yes**		
5. BLANKS						
a. Was method blank (MB) analyzed prior to the analysis of samples?		**Yes**		**Yes**		
b. Were the MB results less than the reporting limit (RL)?	< MRL	**Yes**		**Yes**		
c. Was a MB prepped and analyzed at a frequency of one per Prep Batch?	Batch <20 samples	**Yes**		**Yes**		
6. LABORATORY CONTROL SAMPLE (LCS)						
a. Was a LCS analyzed prior to the analysis of samples?		**Yes**		**Yes**		
b. Were the LCS recoveries in each LCS within the acceptance criteria?	In-house limits or client specified limits	**Yes**		**Yes**		
7. MATRIX SPIKES						
a. Was a matrix spiked (MS) sample analyzed at a frequency one per Prep Batch?	Batch <20 samples	**Yes**		**Yes**		
b. Were MS recoveries in each MS within the acceptance criteria?	In-house limits or client specified limits		**No**		**No**	See Below
8. LABORATORY CONTROL SPIKE / MATRIX SPIKE DUPLICATE						
a. Was a duplicate matrix spike or laboratory control spike sample analyzed at a frequency one per Prep Batch?	Batch <20 samples	**Yes**		**Yes**		
b. Were MSD or LCSD recoveries within the acceptance criteria?	In-house limits or client specified limits		**No**		**No**	See Below
c. Is the relative percent difference (RPD) between a matrix spike (MS) and its' duplicate (MSD) or laboratory control spike (LCS) and its' duplicate (LCSD) within the acceptance criteria?	In-house limits or client specified limits		**No**		**No**	See Below

Additional Comments:

337815MS and MSD had low recoveries of benzylalcohol. Confirmed. "M".

RPD was high for hexachlorocyclopentadiene and benzylalcohol. "Y".

Analytical Run #: 97038

Table 4

8270 SVOC Analysis Data Review Checklist

Requirements:	Acceptance Criteria	Analyst		Independent		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
9. SAMPLES (INCLUDING BLANKS, STANDARDS, AND QC SAMPLES)						
a. Are chromatogram characteristics, including peak shapes and areas, consistent with those of the CCV?		**Yes**		**Yes**		
b. Are surrogate recoveries for all samples, blanks, standards, and QC samples within acceptance criteria?		**Yes**		**Yes**		
c. Were all samples having analytes detected in amounts exceeding the calibration range diluted and reanalyzed?		**Yes**		**Yes**		
d. Were all samples extracted within holding times and analyzed within 40 days of extracting?	Analysis within 40 days of extraction	**Yes**		**Yes**		
e. Did the samples require additional cleanup steps? (i.e. acid treatment, acid-base fractioning, and GPC)	GPC, Acid/Base, Treatments		**No**		**No**	
10. RECORDS AND REPORTING						
a. Are Run, Prep Batch and Extraction sheets, Summary sheets, Sequence file, initial and rerun raw and process data present in the data file?		**Yes**		**Yes**		
b. Are all chromatograms dated and initialed?		**Yes**		**Yes**		
c. Are reported results whose amounts exceeded the acceptance criteria flagged with an appropriate qualifier and, if needed, a NCR completed?		**Yes**		**Yes**		
d. Do all values, dilution factors and qualifiers listed on the raw reports match the LIMS data?		**Yes**		**Yes**		
e. Is the ICAL method referenced on the Raw Data?		**Yes**		**Yes**		

Additional Comments:

PAH SIM QSM Analytical Run
96978 on 8/21/2013

Date Analyzed: 8/22/2013, 8/23/2013

RPN
08/21/13

Date Reviewed: _____

Date Entered: _____

Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME		QC TYPE (Parent Sample)		CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
99211	337811	083SB-0001-M-0001-SO	8/12/2013	1512			ECC	RVAAP	PAH SIM QSM	45490	S	4	
99211	337812	083SB-0002-M-0001-SO	8/12/2013	1516			ECC	RVAAP	PAH SIM QSM	45490	S	4	
99211	337813	083SB-0003-M-0001-SO	8/12/2013	1141			ECC	RVAAP	PAH SIM QSM	45490	S	4	
99211	337815	083SB-0004-M-0001-SO	8/12/2013	1215	Designated MS/MSD		ECC	RVAAP	PAH SIM QSM	45490	S	4	
99211	337818	083SB-0005-M-0001-SO	8/12/2013	1245			ECC	RVAAP	PAH SIM QSM	45490	S	4	
99211	337820	083SB-0006-M-0001-SO	8/12/2013	1315			ECC	RVAAP	PAH SIM QSM	45490	S	4	
99211	337822	083SB-0008-M-0001-SO	8/12/2013	1415			ECC	RVAAP	PAH SIM QSM	45490	S	4	
99211	337824	083SB-0009-M-0001-SO	8/12/2013	1440			ECC	RVAAP	PAH SIM QSM	45490	S	4	
99211	337826	083SB-0011-M-0001-SO	8/12/2013	1455			ECC	RVAAP	PAH SIM QSM	45490	S	4	
99211	337828	083SB-0012-M-0001-SO	8/12/2013	1510			ECC	RVAAP	PAH SIM QSM	45490	S	4	
99211	337830	083SB-0013-M-0001-SO	8/12/2013	1415			ECC	RVAAP	PAH SIM QSM	45490	S	4	
99211	337832	083SB-0014-0001-SO	8/12/2013	1514			ECC	RVAAP	PAH SIM QSM	45490	S	4	
99211	337834	083SB-0015-M-0001-SO								45490			
	338954				MBS				PAH SIM QSM	45490			
	338955				LCSS				PAH SIM QSM	45490			
	338957	083SB-0004-M-0001-SO	8/12/2013	1215	MSS	337815			PAH SIM QSM	45490			
	338958	083SB-0004-M-0001-SO	8/12/2013	1215	MSDS	338957			PAH SIM QSM	45490			

17 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

PREP WORKSHEET
on 8/21/2013

Prep Batch **45,490** Date Prepped: 8/19/2013 Prepped JLH

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
	338954	MBS		PAH SIM QSM	SOLID	1.0	10.00			
	338955	LCSS		PAH SIM QSM	SOLID	1.0	10.00			
99211	337811			PAH SIM QSM	SOIL	1.0	9.99		N	
	337812			PAH SIM QSM	SOIL	1.0	10.00		N	
	337813			PAH SIM QSM	SOIL	1.0	10.01		N	
	337815	*		PAH SIM QSM	SOIL	1.0	10.02		N	
	337818			PAH SIM QSM	SOIL	1.0	10.03		N	
	337820			PAH SIM QSM	SOIL	1.0	9.99		N	
	337822			PAH SIM QSM	SOIL	1.0	10.00		N	
	337824			PAH SIM QSM	SOIL	1.0	9.98		N	
	337826			PAH SIM QSM	SOIL	1.0	10.00		N	
	337828			PAH SIM QSM	SOIL	1.0	10.02		N	
	337830			PAH SIM QSM	SOIL	1.0	9.99		N	
	337832			PAH SIM QSM	SOIL	1.0	10.01		N	
	337834			PAH SIM QSM	SOIL	1.0	10.02		N	
	338957	MSS	337815	PAH SIM QSM	SOIL	1.0	10.00			
	338958	MSDS	338957	PAH SIM QSM	SOIL	1.0	10.02			

Notes:_____

Method 8270-SV GC/MS Extraction Bench Sheet

(SOP Reference #'s 8270C, 8270D, 8270 SIM)

3510=WATER
3545=PFE or 3546=Microwave >>
(PFE=Pressurized Fluid Extraction)

Prep Batch #:	45490
Prep Method:	3546
Analyst:	JLH/MMS
Date:	8/19/2013
Start Time:	07:15
End Date:	8/21/2013
End Time:	15:07

Matrix: SOIL
Balance Used: SVSP402
Ave MW temp(°C): 110.0

Reagent Lots>>>

Sodium Sulfate	SV0081
Diatomaceous Earth	SV0059
Dionex Solution	1516
Methylene Chloride	49542
Acetone	40219
Sulfuric Acid	NA
Sodium Hydroxide	NA

Initial Concentration By: NA
Date: NA
GPC Cleanup? (yes/no): NO
Date: NA
Final Concentration By: JLH/AMA
Date: 8/21/2013

Microwave Cell #	Sample ID	Comments		(Solids) Sample Weight (g)	(Liquids) Sample Volume (L)	Final Volume (ml)	ph Adj. <2 (Yes/No)	pH Adj. >12 Yes/No)
8	338954	(MB)		10.00		1.0		
9	338955	(LCS)		10.00		1.0		
13	337811			9.99		1.0		
14	337812			10.00		1.0		
15	337813			10.01		1.0		
12	337815			10.02		1.0		
16	337818			10.03		1.0		
17	337820			9.99		1.0		
18	337822			10.00		1.0		
19	337824			9.98		1.0		
20	337826			10.00		1.0		
21	337828			10.02		1.0		
22	337830			9.99		1.0		
23	337832			10.01		1.0		
24	337834			10.02		1.0		
10	338957	(MS)	Parent Sample	10.00		1.0		
11	338958	(MSD)	337815	10.02		1.0		

MB=Method Blank, LCS=Laboratory Control Sample, MS=Matrix Spike & MSD=Matrix Spike Duplicate

MS/MSD/ LCS Spike Amount (ml): 1
Spike Concentration (ug/mL): 1
Spike Reference #: SVMS 5711/5793

Surrogate Spike Amount (ml): 1
Surrogate Spike Conc. (ug/mL): 1
Surrogate Spike Reference #: SVMS 5783/5792

Relinquished to: RPN
Date: 8/21/2013

Reviewed By: RED
Date: 8/26/2013

Table 4

8270 SVOC Analysis Data Review Checklist

Analytical Run #: 96978	**Independent Reviewer: RED**
Sequence Date: 8/22/2013, 8/23/2013	**Date of Review: 8/26/2013**
Analyst/Data Interpreter: RPN	**Approval: yes**

Instructions: Complete one checklist per *analytical run* . Enter the appropriate response for each question. Each "No" response requires an explanation in the Comments section, and may require the initiation of a Nonconformance Report.

Requirements:	Acceptance Criteria	Analyst Review		Independent Review		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
1. INITIAL CALIBRATION (ICAL)						
a. Was the initial calibration performed using a minimum of five standard concentration levels?	Lowest standard at or near MRL	**Yes**		**Yes**		SIM PAH
b. SPCC responses.	Avg. RRF ≥ 0.05	**Yes**		**Yes**		
c. Is the variation between calibration response factors for all concentration levels <20% RSD, is r >.995, or r^2 > 0.990 for the regression line. RSD≤ 15%, ≤ 30% for CCCs.	RSD≤ 15%, ≤ 30% for CCCs	**Yes**		**Yes**		
d. Were the standards used for the ICAL uniquely identified?		**Yes**		**Yes**		
e. Was there a DFTPP standard analyzed prior to the ICAL?		**Yes**		**Yes**		
f. Was an instrument blank (IB) analyzed prior to the ICAL?		**Yes**		**Yes**		
2. INITIAL CALIBRATION VERIFICATION (ICV)						
a. Were there a second source ICVs for all target analytes analyzed after the initial calibration and prior to analysis of any samples?	Second source	**Yes**		**Yes**		
b. Were the SPCC within QC limits	RRF ≥ 0.05	**Yes**		**Yes**		
c. Were the CCCs within QC limits	%D ≤ 20%	**Yes**		**Yes**		
d. Were the ICVs uniquely identified (i.e. Standard Number)?		**Yes**		**Yes**		
3. CONTINUING CALIBRATION VERIFICATION (CCV)						
a. Were CCVs for target analytes analyzed at the beginning of the sequence and after every 12 hours.		**Yes**		**Yes**		
b. Were SPCC compounds acceptable?	RRF ≥ 0.050	**Yes**		**Yes**		
c. Were the CCCs compounds acceptable?	%D ≤ 20%	**Yes**		**Yes**		
d. Were the recoveries for the CCVs acceptable?	%D≤20%	**Yes**		**Yes**		
e. Was each CCV uniquely identified (i.e. Standard Number)?		**Yes**		**Yes**		

Additional Comments:

Analytical Run #: 96978

Table 4

8270 SVOC Analysis Data Review Checklist

Requirements:	Acceptance Criteria	Analyst		Independent		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
4. DFTPP						
a. Was a DFTPP tune check ran at the beginning of every twelve hour shift?		**Yes**		**Yes**		
b. Were the relative abundance criteria met?		**Yes**		**Yes**		
c. Was the peak tailing <2 on Pentachlorophenol and <2 on Benzidine?	Tailing <2%	**Yes**		**Yes**		
d. Was the breakdown of DDT to DDE and DDD less than 20%	Breakdown ≤20%	**Yes**		**Yes**		
5. BLANKS						
a. Was method blank (MB) analyzed prior to the analysis of samples?		**Yes**		**Yes**		
b. Were the MB results less than the reporting limit (RL)?	< MRL		**No**		**No**	See Below
c. Was a MB prepped and analyzed at a frequency of one per Prep Batch?	Batch <20 samples	**Yes**		**Yes**		
6. LABORATORY CONTROL SAMPLE (LCS)						
a. Was a LCS analyzed prior to the analysis of samples?		**Yes**		**Yes**		
b. Were the LCS recoveries in each LCS within the acceptance criteria?	In-house limits or client specified limits	**Yes**		**Yes**		
7. MATRIX SPIKES						
a. Was a matrix spiked (MS) sample analyzed at a frequency one per Prep Batch?	Batch <20 samples	**Yes**		**Yes**		
b. Were MS recoveries in each MS within the acceptance criteria?	In-house limits or client specified limits	**Yes**		**Yes**		
8. LABORATORY CONTROL SPIKE / MATRIX SPIKE DUPLICATE						
a. Was a duplicate matrix spike or laboratory control spike sample analyzed at a . frequency one per Prep Batch?	Batch <20 samples	**Yes**		**Yes**		
b. Were MSD or LCSD recoveries within the acceptance criteria?	In-house limits or client specified limits		**No**		**No**	See Below
c. Is the relative percent difference (RPD) between a matrix spike (MS) and its' duplicate (MSD) or laboratory control spike (LCS) and its' duplicate (LCSD) within the acceptance criteria?	In-house limits or client specified limits		**No**		**No**	See Below

Additional Comments:

MBS338954 had benzo(a)anthracene detected at levels higher than MDL but less than 1/2 the reporting limit. Confirmed. Qualified with a "B" where the analyte was present in amounts <10x the amount in the blank.

337815MSD had low recoveries of chrysene and fluoranthene. Confirmed. "M".

RPD were high for anthracene, benzo(a)anthracene, benzo(b)fluoranthene, benzo(ghi)perylene, dibenzo(a,h)anthracene, indino(1,2,3-cd)pyrene and phenanthrene. "Y".

Analytical Run #: 96978

Table 4

8270 SVOC Analysis Data Review Checklist

Requirements:	Acceptance Criteria	Analyst		Independent		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
9. SAMPLES (INCLUDING BLANKS, STANDARDS, AND QC SAMPLES)						
a. Are chromatogram characteristics, including peak shapes and areas, consistent with those of the CCV?		**Yes**		**Yes**		
b. Are surrogate recoveries for all samples, blanks, standards, and QC samples within acceptance criteria?		**Yes**		**Yes**		
c. Were all samples having analytes detected in amounts exceeding the calibration range diluted and reanalyzed?		**Yes**		**Yes**		
d. Were all samples extracted within holding times and analyzed within 40 days of extracting?	Analysis within 40 days of extraction	**Yes**		**Yes**		
e. Did the samples require additional cleanup steps? (i.e. acid treatment, acid-base fractioning, and GPC)	GPC, Acid/Base, Treatments		**No**		**No**	
10. RECORDS AND REPORTING						
a. Are Run, Prep Batch and Extraction sheets, Summary sheets, Sequence file, initial and rerun raw and process data present in the data file?		**Yes**		**Yes**		
b. Are all chromatograms dated and initialed?		**Yes**		**Yes**		
c. Are reported results whose amounts exceeded the acceptance criteria flagged with an appropriate qualifier and, if needed, a NCR completed?		**Yes**		**Yes**		
d. Do all values, dilution factors and qualifiers listed on the raw reports match the LIMS data?		**Yes**		**Yes**		
e. Is the ICAL method referenced on the Raw Data?		**Yes**		**Yes**		

Additional Comments:

Sequence Name: C:\INSTARCH\SEQUENCE\2S080713.S
Comment: 8270 SIM PAH
Operator: RPN
Data Path: C:\INSTARCH\DATA\2S080713\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

RPN
08/07/13

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line				Sample Name/Misc Info
1)	Sample	100	2PRIM01	2P080713 PRIMER 2000 ng/mL
2)	Sample	99	2IB01	2P080713 InstrumentBlank
3)	DFTPP	1	2DFTPP15	2SIMDFT DFTPP SVMS5691
4)	Sample	99	2IB03	2P080713 InstrumentBlank
5)	Sample	2	2ICAL7	2P080713 ICAL 2000 ng/mL SVMS5720
6)	Sample	3	2ICAL6	2P080713 ICAL 1500 ng/mL SVMS5719
7)	Sample	4	2ICAL5	2P080713 ICAL 1000 ng/mL SVMS5718
8)	Sample	5	2ICAL4	2P080713 ICAL 500 ng/mL SVMS5717
9)	Sample	6	2ICAL3	2P080713 ICAL 100 ng/mL SVMS5716
10)	Sample	7	2ICAL2	2P080713 ICAL 50 ng/mL SVMS5715
11)	Sample	8	2ICAL1	2P080713 ICAL 20 ng/mL SVMS5714
12)	Sample	9	2ICV1	2P080713 ICV1 500 ng/mL SVMS5721
13)	Sample	10	2ICV2	2P080713 ICV2 1500 ng/mL SVMS5722
14)	Sample	99	2IB04	2P080713 InstrumentBlank
15)	Sample	11	2MBS01	2P080713 96408,MBS,1
16)	Sample	12	311331	2P080713 96408,311331,1
17)	Sample	13	330387	2P080713 96408,330387,1
18)	Sample	13	330387R	2P080713 96408,330387,1

Sequence Name: C:\INSTARCH\Sequence\1S080513.S
Comment: 8270
Operator: RPN
Data Path: C:\INSTARCH\DATA\1S080513\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

RPN
08/05/13

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line			Sample Name/Misc Info	
1)	Sample	100	1PRIM01	1S080513 ICAL 50ug/ml
2)	Sample	99	1IB01	1S080513 InstrumentBlank
3)	DFTPP	1	1DFTPP99	1DFTPP DFTPP TUNE SVMS5691
4)	Sample	99	1IB02	1S080513 InstrumentBlank
5)	Sample	2	1ICAL7A	1S080513 ICAL 50ug/ml SVMS5703
6)	Sample	3	1ICAL6A	1S080513 ICAL 40ug/ml SVMS5702
7)	Sample	4	1ICAL5A	1S080513 ICAL 30ug/ml SVMS5701
8)	Sample	5	1ICAL4A	1S080513 ICAL 20ug/ml SVMS5700
9)	Sample	6	1ICAL3A	1S080513 ICAL 10ug/ml SVMS5699
10)	Sample	7	1ICAL2A	1S080513 ICAL 5ug/ml SVMS5698
11)	Sample	8	1ICAL1A	1S080513 ICAL 1ug/ml SVMS5697
12)	Sample	9	1ICV1A	1S080513 ICV 20ug/ml SVMS5704
13)	Sample	10	1ICV2A	1S080513 ICV 40ug/ml SVMS5705
14)	Sample	99	1IB03	1S080513 InstrumentBlank
15)	Sample	11	1ICAL7	1S080513 ICAL 50ug/ml SVMS5743
16)	Sample	12	1ICAL6	1S080513 ICAL 40ug/ml SVMS5742
17)	Sample	13	1ICAL5	1S080513 ICAL 30ug/ml SVMS5741
18)	Sample	14	1ICAL4	1S080513 ICAL 20ug/ml SVMS5740
19)	Sample	15	1ICAL3	1S080513 ICAL 10ug/ml SVMS5739
20)	Sample	16	1ICAL2	1S080513 ICAL 5ug/ml SVMS5738
21)	Sample	17	1ICAL1	1S080513 ICAL 1ug/ml SVMS5737
22)	Sample	18	1ICV1	1S080513 ICV 20ug/ml SVMS5744
23)	Sample	19	1ICV2	1S080513 ICV 40ug/ml SVMS5745
24)	Sample	19	1ICV2R	1S080513 ICV 40ug/ml SVMS5745

Sequence Name: C:\INSTARCH\Sequence\1S082213.S
Comment: 8270
Operator: RPN
Data Path: C:\INSTARCH\DATA\1S082213\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

RPN
08/23/13

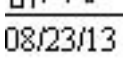
Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line			Sample Name/Misc Info	
1)	Sample	99	1IB01	1S080513 InstrumentBlank
2)	DFTPP	1	1DFTPP11	1DFTPP DFTPP TUNE SVMS5691
3)	Sample	2	1CCV12	1S080513 ICAL 20ug/ml SVMS5746
4)	Sample	3	1MRL06	1S080513 MRL 1/5ug/ml SVMS5799
5)	Sample	4	1MDL06	1S080513 MDL 0.5/2.5ug/ml SVMS5798
6)	Sample	5	1MBW01	1S080513 97009,MBW,
7)	Sample	6	1MBTV01	1S080513 97009,MBTV,
8)	Sample	7	1MBTS01	1S080513 97009,MBTS,
9)	Sample	8	1LCSW01	1S080513 97009,LCSW,
10)	Sample	9	339578	1S080513 97009,339578,
11)	Sample	10	339580	1S080513 97009,339580,
12)	Sample	11	339580MS	1S080513 97009,MSW339580,
13)	Sample	3	1MRL07	1S080513 MRL 1/5ug/ml SVMS5799
14)	Sample	4	1MDL07	1S080513 MDL 0.5/2.5ug/ml SVMS5798
15)	Sample	12	1MBS03	1S080513 97038,MBS,
16)	Sample	13	1LCSS03	1S080513 97038,LCSS,
17)	Sample	14	337811	1S080513 97038,337811,
18)	Sample	15	337812	1S080513 97038,337812,
19)	Sample	16	337813	1S080513 97038,337813,
20)	Sample	17	337815	1S080513 97038,337815,
21)	Sample	18	337818	1S080513 97038,337818,
22)	Sample	19	337820	1S080513 97038,337820,
23)	Sample	20	337822	1S080513 97038,337822,
24)	Sample	21	337824	1S080513 97038,337824,
25)	Sample	22	337826	1S080513 97038,337826,
26)	Sample	23	337828	1S080513 97038,337828,
27)	Sample	24	337830	1S080513 97038,337830,
28)	Sample	25	337832	1S080513 97038,337832,
29)	Sample	26	337834	1S080513 97038,337834,
30)	Sample	27	337815MS	1S080513 97038,MSS337815,
31)	Sample	28	337815SD	1S080513 97038,MSDS337815,
32)	Sample	99	1IB02	1S080513 InstrumentBlank
33)	Sample	3	1MRL08	1S080513 MRL 1/5ug/ml SVMS5799
34)	Sample	4	1MDL08	1S080513 MDL 0.5/2.5ug/ml SVMS5798

Sequence Name: C:\INSTARCH\Sequence\1S082313.S
Comment: 8270
Operator: RPN
Data Path: C:\INSTARCH\DATA\1S082313\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:



Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line			Sample Name/Misc Info	
1)	Sample	99	1IB01	1S080513 InstrumentBlank
2)	DFTPP	1	1DFTPP12	1DFTPP DFTPP TUNE SVMS5691
3)	Sample	2	1CCV13	1S080513 CCV 20ug/ml SVMS5746
4)	Sample	3	1MRL09	1S080513 MRL 1/5ug/ml SVMS5799
5)	Sample	4	1MDL09	1S080513 MDL 0.5/2.5ug/ml SVMS5798
6)	Sample	27	337815SR	1S080513 97038,MSS337815,
7)	Sample	28	337815DR	1S080513 97038,MSDS337815,
8)	Sample	29	338353SR	1S080513 96977,MSS338353,
9)	Sample	30	338353DR	1S080513 96977,MSDS338353,
10)	Sample	99	1IB02	1S080513 InstrumentBlank
11)	Sample	3	1MRL08	1S080513 MRL 1/5ug/ml SVMS5799
12)	Sample	4	1MDL08	1S080513 MDL 0.5/2.5ug/ml SVMS5798

Sequence Name: C:\INSTARCH\SEQUENCE\2S082213.S
Comment: 8270 SIM PAH
Operator: RPN
Data Path: C:\INSTARCH\DATA\2S082213\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

RPN
08/23/13

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line			Sample Name/Misc Info	
1)	Sample	99	2IB01	2P080713 InstrumentBlank
2)	DFTPP	1	2DFTPP24	2SIMDFT DFTPP SVMS5691
3)	Sample	2	2CCV21	2P080713 CCV 500 ng/mL SVMS5723
4)	Sample	3	2MRL01	2P080713 MRL 50ng/mL SVMS5715
5)	Sample	5	2MBS01	2P080713 96978,MBS,
6)	Sample	6	2LCSS01	2P080713 96978,LCSS,
7)	Sample	7	337811	2P080713 96978,337811,
8)	Sample	8	337812	2P080713 96978,337812,
9)	Sample	9	337813	2P080713 96978,337813,
10)	Sample	10	337815	2P080713 96978,337815,
11)	Sample	11	337818	2P080713 96978,337818,
12)	Sample	12	337820	2P080713 96978,337820,
13)	Sample	13	337822	2P080713 96978,337822,
14)	Sample	14	337824	2P080713 96978,337824,
15)	Sample	15	337826	2P080713 96978,337826,
16)	Sample	16	337828	2P080713 96978,337828,
17)	Sample	17	337830	2P080713 96978,337830,
18)	Sample	18	337832	2P080713 96978,337832,
19)	Sample	19	337834	2P080713 96978,337834,
20)	Sample	20	337815MS	2P080713 96978,MSS337815,
21)	Sample	21	337815SD	2P080713 96978,MSDS337815,
22)	Sample	99	2IB02	2P080713 InstrumentBlank
23)	Sample	3	2MRL02	2P080713 MRL 50ng/mL SVMS5715
24)	Sample	4	2MDL02	2P080713 MDL 20ng/mL SVMS5714

Sequence Name: C:\INSTARCH\SEQUENCE\2S082313.S
Comment: 8270 SIM PAH
Operator: RPN
Data Path: C:\INSTARCH\DATA\2S082313\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

RPN
08/23/13

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line			Sample Name/Misc Info
1)	Sample	99	2IB01 2P080713 InstrumentBlank
2)	DFTPP	1	2DFTPP25 2SIMDFT DFTPP SVMS5691
3)	Sample	2	2CCV22 2P080713 CCV 500 ng/mL SVMS5723
4)	Sample	3	2MRL01 2P080713 MRL 50ng/mL SVMS5715
5)	Sample	5	2MBS02 2P080713 97039,MBS,
6)	Sample	6	2LCSS02 2P080713 97039,LCSS,
7)	Sample	7	338407 2P080713 97039,338407,
8)	Sample	8	338286 2P080713 97039,338286,
9)	Sample	9	338351 2P080713 97039,338351,
10)	Sample	10	338353 2P080713 97039,338353,
11)	Sample	11	338355 2P080713 97039,338355,
12)	Sample	12	338357 2P080713 97039,338357,
13)	Sample	13	338359 2P080713 97039,338359,
14)	Sample	14	338361 2P080713 97039,338361,
15)	Sample	15	338363 2P080713 97039,338363,
16)	Sample	16	338367 2P080713 97039,338367,
17)	Sample	17	338369 2P080713 97039,338369,
18)	Sample	18	338371 2P080713 97039,338371,
19)	Sample	19	338373 2P080713 97039,338373,
20)	Sample	20	338375 2P080713 97039,338375,
21)	Sample	21	338377 2P080713 97039,338377,
22)	Sample	22	338379 2P080713 97039,338379,
23)	Sample	23	338381 2P080713 97039,338381,
24)	Sample	24	338383 2P080713 97039,338383,
25)	Sample	25	338387 2P080713 97039,338387,
26)	Sample	26	338353MS 2P080713 97039,MSS338353,
27)	Sample	27	338353SD 2P080713 97039,MSDS338353,
28)	Sample	28	337815SR 2P080713 96978,MSS337815,
29)	Sample	29	337815DR 2P080713 96978,MSDS337815,
30)	Sample	26	338353SR 2P080713 97039,MSS338353,
31)	Sample	27	338353DR 2P080713 97039,MSDS338353,
32)	Sample	99	2IB02 2P080713 InstrumentBlank
33)	Sample	30	2MBS01R 2P080713 96978,MBS,
34)	Sample	5	2MBS02R 2P080713 97039,MBS,
35)	Sample	3	2MRL02 2P080713 MRL 50ng/mL SVMS5715
36)	Sample	4	2MDL02 2P080713 MDL 20ng/mL SVMS5714

8270 SPIKE 20 ug/mL

SVMS5789 RPN 07/31/13 x2/28/2014	STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
	8270 MEGAMIX	RESTEK	31850	S2840	A094198	1000	200	10	20
	Benzidines	RESTEK	31834	S2760	A089639	2000	100	10	20
	Custom Mix	SPEX	SVO-CTWI-6	S2792A	T1120618006	2000	100	10	20
	Biphenyl	SPEX	S-500	S2837B	T1120507005	1000	200	10	20
	Additions Std	Restek	31902	S2839	A095426	1000	200	10	20
	Acetone	JTBaker		N/A	40219	99.9%			

8270 ICV Working Standards

RPN 08/05/13 x 10/9/2013

	STD ID	PARENT STD	PARENT CONC ug/mL	Vol STD uL	Vol final mL	CONC final ug/mL
ICV1	SVMS790	SVMS5639	100	100	0.5	20
ICV2	SVMS5790A	SVMS5639	100	200	0.5	40

8270 SIM Internal Standards

SVMS 5791 RPN 8/7/2013 02/06/14	STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. µg/mL	V added µL	V final mL	CONC final µg/mL
	SV Internal Standards	Restek	31206	S2810D	A094182	2000	50	1	100
	MeCl2	JTBaker			46729	99%	950		

8270 SIM SURROGATES 1.0 ug/mL

SVMS 5792 RPN 08/12/13 x2/11/2014	STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
	B/N SURR.	RESTEK	31062	S2811B	A092395	5000	20	100	1
	Acetone	JT Baker		N/A	40219	99.9%			

8270SIM/PAH SPIKE 1.0 ug/mL

SVMS 5793 RPN 8/12/2013 X11/11/2013	STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
	8270 Cal Mix#5	RESTEK	31995	S2739	A089366	2000	50	100	1
	Acetone	JTBaker			40219				

8270 SIM/PEST SPIKE 1.0 ug/mL

SVMS 5794 RPN 08/12/13 x2/11/2014	STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	Conc final ug/mL
	List 1 Pesticide Std	AccuStandard	MDA-PEST-01-R1	S2873	210101300-01	500	100	50	1
	Acetone	JTBaker		N/A	40219	99.9%			

8270 TCLP SPIKE 20 ug/mL

SVMS5795 RPN 8/12//2013 X2/11/2014	STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
	TCLP ACID MIX	Restek	31027	S2869	A095963	2000	500	50	20
	TCLP B/N MIX	Restek	31028	S2870	A096239	2000	500	50	20
	Acetone	JTBaker		N/A	40219	99.9%			

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RPN
07/11/13
x 10/9/2013

8270 SIM SCAN Add. Comp. Calibration Working Standards

	STD ID	PARENT STD	PARENT CONC ug/mL	Vol STD uL	Vol final mL	CONC final ug/mL
ICAL1	SVMS5774	SVMS5638	100	5	0.5	1
ICAL2	SVMS5775	SVMS5638	100	25	0.5	5
ICAL3	SVMS5776	SVMS5638	100	50	0.5	10
ICAL4	SVMS5777	SVMS5638	100	100	0.5	20
ICAL5	SVMS5778	SVMS5638	100	150	0.5	30
ICAL6	SVMS5779	SVMS5638	100	200	0.5	40
ICAL7	SVMS5780	SVMS5638	100	250	0.5	50
ICV1	SVMS5781	SVMS5639	100	50	0.5	10
ICV2	SVMS5782	SVMS5639	100	150	0.5	30
CCV	SVMS5783	SVMS5638	100	100	0.5	20

SVMS5784

RPN
7/16/2013
X1/15/2014

8270 SURROGATES BN/A 20/40 ug/mL

STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. (ugml)	V added uL	V final mL	CONC final (ug/mL)
ACID SURR.	RESTEK	31063	S2812B	A093111	10000	400	100	40
B/N SURR.	RESTEK	31062	S2811B	A092395	5000	400	100	20
Acetone	JTBaker		N/A	40219	99.9%			

SVMS5785

RPN
7/16/2013
X1/15/2014

8270 SURROGATES BN/A 20/40 ug/mL

STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. (ugml)	V added uL	V final mL	CONC final (ug/mL)
ACID SURR.	RESTEK	31063	S2812B	A093111	10000	400	100	40
B/N SURR.	RESTEK	31062	S2811B	A092395	5000	400	100	20
Acetone	JTBaker		N/A	40219	99.9%			

SVMS 5786
RED
07/18/13
x1/17/2014

8270 SIM SURROGATES 1.0 ug/mL

STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
B/N SURR.	RESTEK	31062	S2811B	A092395	5000	20	100	1
Acetone	JT Baker		N/A	40219	99.9%			

SVMS5787

RPN
7/18/2013
x1/17/2014

8270 PHENOLS SPIKE 20 ug/mL

STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
Phenols Mix#1	RESTEK	31088	S2833	A091994	2000	500	50	20
Phenols Mix#2	RESTEK	31089	S2834	A083736	2000	500	50	20
Acetone	JTBaker		N/A	40219	99.9%			

SVMS 5788
RPN
7/19/2013
01/18/14

8270 SIM Internal Standards

STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. µg/mL	V added µL	V final mL	CONC final µg/mL
SV Internal Standards	Restek	31206	S2810C	A094182	2000	50	1	100
MeCl2	JTBaker			46729	99%	950		

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SVMS 5736 Phenols MDL mix @ 4.0 µg/ml
6/18/2013 50µl Phenols mix #1 (S2833) and
x 12/17/2013 50µl Phenols Mix #2 (S2834
deleted to 25 µl w/ 1/5 Acetone.
Final conc: 3/4 Phenols 8.0 µg/ml, other phenols 4.0 µg/ml
RPN 6/18

RPN 6/18

8270 Calibration Working Standards

RPN
06/18/13
x 10/9/2013

	STD ID	PARENT STD	PARENT CONC ug/mL	Vol STD uL	Vol final mL	CONC final ug/mL
ICAL1	SVMS5737	SVMS5636	100	5	0.5	1
ICAL2	SVMS5738	SVMS5636	100	25	0.5	5
ICAL3	SVMS5739	SVMS5636	100	50	0.5	10
ICAL4	SVMS5740	SVMS5636	100	100	0.5	20
ICAL5	SVMS5741	SVMS5636	100	150	0.5	30
ICAL6	SVMS5742	SVMS5636	100	200	0.5	40
ICAL7	SVMS5743	SVMS5636	100	250	0.5	50
ICV1	SVMS5744	SVMS5637	100	100	0.5	20
ICV2	SVMS5745	SVMS5637	100	200	0.5	40
CCV	SVMS5746	SVMS5636	100	100	0.5	20

RPN 6/19

8270 SPIKE 20 ug/mL

SVMS 5747

RPN
06/19/13
x12/18/2013

STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
8270 BNA Mix	NSI Solns	C701	S2789	22	1000	500	25	20
Benzidines	RESTEK	31834	S2803	A091130	2000	250	25	20
SVO-CTWI-6	SPEX	SVO-CTWI-6	S2619C	T1120618006	2000	250	25	20
Biphenyl	SPEX	S-500	S2790	T1120507005	1000	500	25	20
Additions Std	Restek	31902	S2787	A088234	1000	500	25	20
Acetone	JTBaker		N/A	K48E17	99.9%			

RPN 6/25

8270 SURROGATES BN/A 20/40 ug/mL

SVMS5748

RPN
6/25/2013
X12/24/2013

STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. (ugml)	V added uL	V final mL	CONC final (ug/mL)
ACID SURR.	RESTEK	31063	S2778B	A093111	10000	200	50	40
B/N SURR.	RESTEK	31062	S2779B	A092395	5000	200	50	20
Acetone	JTBaker		N/A	K48E17	99.9%			

SVMS 5749 o-Terphenyl-d14 Stock soln.
6/27/2013 0.0538 g o-Terphenyl-d14 solid S2485
x 12/26/2013 dissolved and made up to 10.0 ml w/ 1/5 MeCl2

RPN

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8270 SIM PAH Calibration Working Standards

RPN
05/14/13
x11/11/2013

	STD ID	PARENT STD	PARENT CONC (ng/ml)	Vol STD (uL)	Vol final (mL)	CONC final (ng/mL)
ICAL1	SVMS5714	SVMS5712	20000	10	10	20
ICAL2	SVMS5715	SVMS5712	20000	25	10	50
ICAL3	SVMS5716	SVMS5712	20000	50	10	100
ICAL4	SVMS5717	SVMS5712	20000	250	10	500
ICAL5	SVMS5718	SVMS5712	20000	500	10	1000
ICAL6	SVMS5719	SVMS5712	20000	750	10	1500
ICAL7	SVMS5720	SVMS5712	20000	1000	10	2000
ICV1	SVMS5721	SVMS5713	20000	250	10	500
ICV2	SVMS5722	SVMS5713	20000	750	10	1500
CCV	SVMS5723	SVMS5712	20000	250	10	500

8270 SURROGATES BN/A 20/40 ug/mL

SVMS5724

RPN
5/17/2013
X11/16/2013

STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. (ugml)	V added uL	V final mL	CONC final (ug/mL)
ACID SURR.	RESTEK	31063	S2778A	A093111	10000	400	100	40
B/N SURR.	RESTEK	31062	S2779A	A092395	5000	400	100	20
Acetone	JTBaker		N/A	K48E17	99.9%			

8270 SURROGATES BN/A 20/40 ug/mL

SVMS5725

RPN
5/17/2013
X11/16/2013

STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. (ugml)	V added uL	V final mL	CONC final (ug/mL)
ACID SURR.	RESTEK	31063	S2778A	A093111	10000	200	50	40
B/N SURR.	RESTEK	31062	S2779A	A092395	5000	200	50	20
Acetone	JTBaker		N/A	K48E17	99.9%			

8270 SIM Internal Standards

SVMS 5726
RPN
5/22/2013
11/21/13

STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. µg/mL	V added µL	V final mL	CONC final µg/mL
SV Internal Standards	Restek	31206	S2805B	A092717	2000	50	1	100
MeCl2	JTBaker			36684	99%	950		

8270 SIM SURROGATES 1.0 ug/mL

SVMS 5727
RPN
05/22/13
x10/09/2013

STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
B/N SURR.	RESTEK	31062	S2670A	A088330	5000	20	100	1
Acetone	JT Baker		N/A	K48E17	99.9%			

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SVMS 5707 DFTPP Tune Mix @ 25ng/ml
4/30/2013 500µL SVMS 5691 diluted 5 RPN
x 10/22/2013 1ml w/ MeCl2

SVMS 5708 RPN 05/08/13 x11/7/2013	8270 SIM SURROGATES 1.0 ug/mL STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
	B/N SURR.	RESTEK	31062	S2670B	A088330	5000	20	100	1
	Acetone	JT Baker		N/A	K48E17	99.9%			

SVMS 5709 RPN 05/09/13 x11/8/2013	8270 Internal Standards @200ug/ml STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
	SV I.S.	RESTEK	31206	S2805A	A092717	2000	100	1	200
	MeCL2	JT Baker			36684				

SVMS 5710 RPN 05/09/13 x11/8/2013	8270 SIM Internal Standards STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. µg/mL	V added µL	V final mL	CONC final µg/mL
	SV Internal Standards	Restek	31206	S2805A	A092717	2000	50	1	100
	MeCl2	JTBaker			36684	99%	950		

SVMS 5711 RPN 5/14/2013 X11/11/2013	8270SIM/PAH SPIKE 1.0 ug/mL STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
	8270 Cal Mix#5	RESTEK	31995	S2739	A089366	2000	50	100	1
	Acetone	JTBaker			K48E17				

SVMS5712 RPN 5/14/2013 x11/11/2013	8270 SIM/PAH ICAL Stock 20 ug/mL STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
	8270 Cal Mix 5	RESTEK	31995	S2739	A089366	2000	100	10	20
	B/N Surrogate	RESTEK	31062	S2670B	A088330	5000	40	10	20
	DCM	JTBaker		N/A	36684				

SVMS5713 RPN 5/14/2013 x11/11/2013	8270 SIM/PAH ICV Stock 20 ug/mL STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
	Expanded PAH Mix	ACU STD	Z-014G-FL	S2740	211041513-01	2000	100	10	20
	B/N Surrogate	RESTEK	31062	S2569A	A088330	5000	40	10	20
	DCM	JTBaker		N/A	36684				

RPN 5/14/13

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DFTPP TUNE MIX 50µg/ml

SVMS 5691 RPN 4/23/2013 X10/22/2013	STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
	GC/MS Tuning Mix	Restek	31615	S2743	A085102	1000	500	10	50
	MeCl2	JTBaker			36684	99%			

8270 SIM Internal Standards

SVMS 5692 RPN 04/24/13 x10/23/2013	STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
	SV I.S.	RESTEK	31206	S2805A	A092717	2000	50	1	100
	MeCL2	JT Baker			36684				

8270 alpha-Terpineol SPIKE 20.0 ug/mL

SVMS 5693 RPN 4/26/2013 x10/25/2013	STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
	alpha-Terpineol	Restek	33912	S2658	A90192	2000	250	25	20
	Acetone	JTBaker			K48E17				

SVMS 5694 8270 α-Terpineol LOD/LOQ Spike @ 2.0 µg/ml
4/26/2013 1.0 ml of SVMS 5693 @ 20.0 µg/ml
x10/25/2013 Calulated to 10.0 ml with Acetone.

alpha-Terpineol ICAL STOCK STD. 100µg/ml

SVMS5695 RPN 4/29//2013 x10/28/2013	STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
	alpha-Terpineol	RESTEK	33912	S2657	A089867	2000	250	5	100
	MeCl2	JTBaker			36684				

alpha-Terpineol ICV STOCK STD. 100µg/ml

SVMS5696 RPN 4/29//2013 x10/28/2013	STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
	alpha-Terpineol	RESTEK	33912	S2658	A090192	2000	250	5	100
	MeCl2	JTBaker			36684				

8270 Additional Compounds+alphaTerpineol Calibration Working Standards

RPN 04/29/13 10/28/2013	STD ID	PARENT STD	PARENT CONC µg/mL	Vol STD uL	Parent a-Terpineol STD	CONC µg/ml	Vol µl	Vol final ml	CONC final µg/mL
ICAL1	SVMS5697	SVMS5638	100	5	SVMS5695	100	5	0.5	1
ICAL2	SVMS5698	SVMS5638	100	25	SVMS5695	100	25	0.5	5
ICAL3	SVMS5699	SVMS5638	100	50	SVMS5695	100	50	0.5	10
ICAL4	SVMS5700	SVMS5638	100	100	SVMS5695	100	100	0.5	20
ICAL5	SVMS5701	SVMS5638	100	150	SVMS5695	100	150	0.5	30
ICAL6	SVMS5702	SVMS5638	100	200	SVMS5695	100	200	0.5	40
ICAL7	SVMS5703	SVMS5638	100	250	SVMS5695	100	250	0.5	50
ICV1	SVMS5704	SVMS5639	100	100	SVMS5696	100	100	0.5	20
ICV2	SVMS5705	SVMS5639	100	200	SVMS5696	100	200	0.5	40
CCV	SVMS5706	SVMS5638	100	100	SVMS5695	100	100	0.5	20

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8270 SPIKE 20 ug/mL

SVMS 5796	STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
RPN 08/19/13 x2/18/2014	8270 MEGAMIX	RESTEK	31850	S2867	A095842	1000	1000	50	20
	Benzidines	RESTEK	31834	S2804	A092930	2000	500	50	20
	Custom Mix	SPEX	SVO-CTWI-6	S2793A	T1120618007	2000	500	50	20
	Biphenyl	SPEX	S-500	S2838	T1130321008	1000	1000	50	20
	Additions Std	Restek	31902	S2868	A095426	1000	1000	50	20
	Acetone	JTBaker		N/A	40219	99.9%			

8270 SPIKE 20 ug/mL

SVMS5797	STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. ug/mL	V added uL	V final mL	CONC final ug/mL
RPN 08/19/13 x2/18/2014	8270 MEGAMIX	RESTEK	31850	S2867	A095842	1000	200	10	20
	Benzidines	RESTEK	31834	S2804	A092930	2000	100	10	20
	Custom Mix	SPEX	SVO-CTWI-6	S2793A	T1120618007	2000	100	10	20
	Biphenyl	SPEX	S-500	S2838	T1130321008	1000	200	10	20
	Additions Std	Restek	31902	S2868	A095426	1000	200	10	20
	Acetone	JTBaker		N/A	40219	99.9%			

SVMS 5798 8270 MDL @ 0.5/2.5 µg/mL
8/20/2013 25µL SVMS 5636 @ 100 µg/mL,
x 10/9/2013 5 µL S 2833 Phenols Mix #1 @ 2000 µg/mL,
5 µL S 2834 Phenols Mix #2 @ 2000 µg/mL and
5 µL S 2758 Benzoic Acid @ 2000 µg/mL
↳ diluted to 5.0 mL with MeCl2

SVMS 5799 8270 MRL @ 1.0/5.0 µg/mL
8/20/2013 50µL SVMS 5636 @ 100 µg/mL
x 10/9/2013 10µL S 2833 Phenols Mix #1 @ 2000 µg/mL
10µL S 2834 Phenols Mix #2 @ 2000 µg/mL and
10µL S 2758 Benzoic Acid @ 2000 µg/mL
↳ diluted to 5.0 mL with MeCl2

8270 SURROGATES BN/A 20/40 ug/mL

SVMS5800	STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. (ugml)	V added uL	V final mL	CONC final (ug/mL)
RPN 8/21/2013 X2/20/2014	ACID SURR.	RESTEK	31063	S2861A	A093111	10000	400	100	40
	B/N SURR.	RESTEK	31062	S2862A	A092395	5000	400	100	20
	Acetone	JTBaker		N/A	40219	99.9%			

8270 SURROGATES BN/A 20/40 ug/mL

SVMS5801	STD NAME	Manuf	Cat. #	CTL STD #	Lot #	Conc. (ugml)	V added uL	V final mL	CONC final (ug/mL)
RPN 8/21/2013 X2/20/2014	ACID SURR.	RESTEK	31063	S2861A	A093111	10000	400	100	40
	B/N SURR.	RESTEK	31062	S2862A	A092395	5000	400	100	20
	Acetone	JTBaker		N/A	40219	99.9%			

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PESTICIDE
QUALITY CONTROL SUMMARY
DOCUMENTS

CT LABORATORIES
delivering more than data from your environmental analyses

1D-1

PESTICIDE ORGANICS ANALYSIS

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.05 (g/L)	CTL Sample ID:	337828
% Solids:	96.6	Date Received:	08/13/2013
Conc. Extract Vol:	10 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8081B	Analytical Prep Batch #	45488
Analytical Run #:	96923	Dilution Factor:	1.00
Date & Time Analyzed:	08/23/2013 / 17:17		
Cleanup Date/Time/Type:	, 08/20/2013 16:00 (Sulfur) ,		,
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	082213pstic	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
72-54-8	4,4'-DDD	1.2	U	0.31	1.2	2.5	2.5
72-55-9	4,4'-DDE	1.2	U	0.31	1.2	2.5	2.5
50-29-3	4,4'-DDT	1.2	U	0.52	1.2	2.5	2.5
309-00-2	Aldrin	1.2	U	0.52	1.2	2.5	2.5
319-84-6	alpha-BHC	1.2	U	0.62	1.2	2.5	2.5
5103-71-9	alpha-Chlordane	1.2	U	0.31	1.2	2.5	2.5
319-85-7	beta-BHC	1.2	U	0.62	1.2	2.5	2.5
319-86-8	delta-BHC	1.1	J P	0.31	1.2	2.5	2.5
60-57-1	Dieldrin	1.2	U	0.31	1.2	2.5	2.5
959-98-8	Endosulfan I	1.2	U	0.72	1.2	2.5	2.5
33213-65-9	Endosulfan II	1.2	U	0.31	1.2	2.5	2.5
1031-07-8	Endosulfan sulfate	1.2	U	0.93	1.2	4.1	4.1
72-20-8	Endrin	1.2	U	0.41	1.2	2.5	2.5
7421-93-4	Endrin aldehyde	1.2	U	1.1	1.2	4.1	4.1
53494-70-5	Endrin ketone	1.2	U	0.82	1.2	4.1	4.1
5103-74-2	gamma-Chlordane	1.2	U	0.31	1.2	2.5	2.5
76-44-8	Heptachlor	1.2	U	0.41	1.2	2.5	2.5
1024-57-3	Heptachlor epoxide	1.2	U	0.52	1.2	2.5	2.5
58-89-9	Lindane	1.2	U	0.52	1.2	2.5	2.5
72-43-5	Methoxychlor	1.2	U	0.72	1.2	2.5	2.5
8001-35-2	Toxaphene	12	U	5.2	12	62	62

CT LABORATORIES
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1D-3

Sample Description: **METHOD BLANK**

PESTICIDE ORGANICS ANALYSIS (MB)

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:		SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	338945
% Solids:		Date Received:	08/13/2013
Conc. Extract Vol:	10 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8081B	Analytical Prep Batch #	45488
Analytical Run #:	96923	Dilution Factor:	1.00
Cleanup Date/Time/Type:	08/20/2013 16:00 (Sulfur)		
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	082213pstic	Concentration Units:	ug/kg

CAS NO.	Analyte	Analysis Date/Time		Concentration	Qualifiers	DL/LOD	RL	*Control Limit*
72-54-8	4,4'-DDD	08/23/2013	16:31	0.30	U	0.30	2.4	***1.2***
72-55-9	4,4'-DDE	08/23/2013	16:31	0.30	U	0.30	2.4	***1.2***
50-29-3	4,4'-DDT	08/23/2013	16:31	0.50	U	0.50	2.4	***1.2***
309-00-2	Aldrin	08/23/2013	16:31	0.50	U	0.50	2.4	***1.2***
319-84-6	alpha-BHC	08/23/2013	16:31	0.60	U	0.60	2.4	***1.2***
5103-71-9	alpha-Chlordane	08/23/2013	16:31	0.30	U	0.30	2.4	***1.2***
319-85-7	beta-BHC	08/23/2013	16:31	0.60	U	0.60	2.4	***1.2***
57-74-9	Chlordane (Technical)	08/23/2013	16:31	4.00	U	4.00	60	***30***
319-86-8	delta-BHC	08/23/2013	16:31	0.30	U	0.30	2.4	***1.2***
60-57-1	Dieldrin	08/23/2013	16:31	0.30	U	0.30	2.4	***1.2***
959-98-8	Endosulfan I	08/23/2013	16:31	0.70	U	0.70	2.4	***1.2***
33213-65-9	Endosulfan II	08/23/2013	16:31	0.30	U	0.30	2.4	***1.2***
1031-07-8	Endosulfan sulfate	08/23/2013	16:31	0.90	U	0.90	4.0	***2.0***
72-20-8	Endrin	08/23/2013	16:31	0.40	U	0.40	2.4	***1.2***
7421-93-4	Endrin aldehyde	08/23/2013	16:31	1.10	U	1.10	4.0	***2.0***
53494-70-5	Endrin ketone	08/23/2013	16:31	0.80	U	0.80	4.0	***2.0***
5103-74-2	gamma-Chlordane	08/23/2013	16:31	0.30	U	0.30	2.4	***1.2***
76-44-8	Heptachlor	08/23/2013	16:31	0.40	U	0.40	2.4	***1.2***
1024-57-3	Heptachlor epoxide	08/23/2013	16:31	0.50	U	0.50	2.4	***1.2***
58-89-9	Lindane	08/23/2013	16:31	0.50	U	0.50	2.4	***1.2***
72-43-5	Methoxychlor	08/23/2013	16:31	0.70	U	0.70	2.4	***1.2***
8001-35-2	Toxaphene	08/23/2013	16:31	5.00	U	5.00	60	***30***

CT LABORATORIES
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2F-1

SOIL PESTICIDE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Analytical Method: EPA 8081B | SDG: 99211

Analytical Run #: 96923 | ICAL Calibration #: 082213pstic

GC Column(1): Phenomenex ZB-5 ID: 0.32 (mm) | GC Column(2): Phenomenex ZB-1701 ID: 0.32 (mm)

CTLab #	337828				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
SURR:2,4,5,6-CL4-m-xylene	100	64	70	125	*FAIL*
SURR:Decachlorobiphenyl	100	71	55	130	
CTLab #	**338945**	Sample Type:		Method Blank	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
SURR:2,4,5,6-CL4-m-xylene		81.1	70	125	
SURR:Decachlorobiphenyl		94.5	55	130	
CTLab #	**338946**	Sample Type:		Lab Control Spike	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
SURR:2,4,5,6-CL4-m-xylene	0.04	78.0	70	125	
SURR:Decachlorobiphenyl	0.04	92.6	55	130	
CTLab #	**338947**	Sample Type:		Matrix Spike	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
SURR:2,4,5,6-CL4-m-xylene	0.04	62.6	70	125	*FAIL*
SURR:Decachlorobiphenyl	0.04	66.9	55	130	
CTLab #	**338948**	Sample Type:		Matrix Spike Duplicate	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
SURR:2,4,5,6-CL4-m-xylene	0.04	67.3	70	125	*FAIL*
SURR:Decachlorobiphenyl	0.04	71.9	55	130	

CT LABORATORIES
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3F

SOIL PESTICIDE MATRIX SPIKE RECOVERY

Sample Description

083SB-0012M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8081B Concentration Units: ug/kg

Analytical Run #: 96923 Sample No.: 338947 Parent Sample No.: 337828

Analytical Prep Batch #: 45488 Analytical Preparation Date/Time: 08/19/2013 07:15

ICAL Calibration #: 082213pstic

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R
4,4'-DDD	08/23/2013	17:32	30-135	38.0	BDL	41.3	92
4,4'-DDE	08/23/2013	17:32	70-125	34.5	BDL	41.3	84
4,4'-DDT	08/23/2013	17:32	45-140	43.5	BDL	41.3	105
Aldrin	08/23/2013	17:32	45-140	32.6	BDL	41.3	79
alpha-BHC	08/23/2013	17:32	60-125	33.0	BDL	41.3	80
alpha-Chlordane	08/23/2013	17:32	65-120	35.7	BDL	41.3	86
beta-BHC	08/23/2013	17:32	60-125	37.6	BDL	41.3	91
delta-BHC	08/23/2013	17:32	55-130	36.8	1.1	41.3	86
Dieldrin	08/23/2013	17:32	65-125	36.9	BDL	41.3	89
Endosulfan I	08/23/2013	17:32	15-135	35.4	BDL	41.3	86
Endosulfan II	08/23/2013	17:32	35-140	38.0	BDL	41.3	92
Endosulfan sulfate	08/23/2013	17:32	60-135	38.4	BDL	41.3	93
Endrin	08/23/2013	17:32	60-135	48.9	BDL	41.3	118
Endrin aldehyde	08/23/2013	17:32	35-145	24.7	BDL	41.3	60
Endrin ketone	08/23/2013	17:32	65-135	34.3	BDL	41.3	83
gamma-Chlordane	08/23/2013	17:32	65-125	35.8	BDL	41.3	87
Heptachlor	08/23/2013	17:32	50-140	35.5	BDL	41.3	86
Heptachlor epoxide	08/23/2013	17:32	65-130	35.5	BDL	41.3	86
Lindane	08/23/2013	17:32	65-125	32.0	BDL	41.3	77
Methoxychlor	08/23/2013	17:32	55-145	44.3	BDL	41.3	107

Spike Recovery: 0 out of 20 outside QC limits

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3F

SOIL PESTICIDE MATRIX SPIKE DUPLICATE RECOVERY

Sample Description

083SB-0012M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8081B Concentration Units: ug/kg

Analytical Run #: 96923 Sample No.: 338948 Parent Sample No.: 338947

Analytical Prep Batch #: 45488 Analytical Preparation Date/Time: 08/19/2013 07:15

ICAL Calibration #: 082213pstic

Analyte	Analysis Date/Time		Spike Result	Spike Amount	%R	%RPD	Control Limits (%R)	Control Limits (%RPD)
4,4'-DDD	08/23/2013	17:48	41.1	41.4	99	8	30-135	30
4,4'-DDE	08/23/2013	17:48	36.3	41.4	88	5	70-125	30
4,4'-DDT	08/23/2013	17:48	46.5	41.4	112	6	45-140	30
Aldrin	08/23/2013	17:48	35.4	41.4	86	8	45-140	30
alpha-BHC	08/23/2013	17:48	36.7	41.4	89	10	60-125	30
alpha-Chlordane	08/23/2013	17:48	38.2	41.4	92	6	65-120	30
beta-BHC	08/23/2013	17:48	41.1	41.4	99	9	60-125	30
delta-BHC	08/23/2013	17:48	40.6	41.4	95	9	55-130	30
Dieldrin	08/23/2013	17:48	40.1	41.4	97	8	65-125	30
Endosulfan I	08/23/2013	17:48	38.6	41.4	93	8	15-135	30
Endosulfan II	08/23/2013	17:48	41.0	41.4	99	7	35-140	30
Endosulfan sulfate	08/23/2013	17:48	41.2	41.4	100	7	60-135	30
Endrin	08/23/2013	17:48	52.3	41.4	126	6	60-135	30
Endrin aldehyde	08/23/2013	17:48	27.5	41.4	66	11	35-145	30
Endrin ketone	08/23/2013	17:48	36.7	41.4	89	7	65-135	30
gamma-Chlordane	08/23/2013	17:48	41.1	41.4	99	13	65-125	30
Heptachlor	08/23/2013	17:48	39.4	41.4	95	10	50-140	30
Heptachlor epoxide	08/23/2013	17:48	38.7	41.4	93	8	65-130	30
Lindane	08/23/2013	17:48	35.9	41.4	87	11	65-125	30
Methoxychlor	08/23/2013	17:48	48.0	41.4	116	8	55-145	30

RPD or Spike Recovery: 0 out of 20 outside QC limits

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3F

Sample Description

LCS

SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Sample No.: 338946 | SDG No.: 99211

Analytical Method: EPA 8081B | Concentration Units: ug/kg

Sample No.: 338946 | Parent Sample No.: 0

Analytical Prep Batch #: 45488 | Analytical Preparation Date/Time: 08/19/2013 07:15

Analytical Run #: 96923 | ICAL Calibration #: 082213pstic

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R
4,4'-DDD	08/23/2013	16:46	30-135	42.4		40.0	106
4,4'-DDE	08/23/2013	16:46	70-125	39.8		40.0	100
4,4'-DDT	08/23/2013	16:46	45-140	44.3		40.0	111
Aldrin	08/23/2013	16:46	45-140	38.2		40.0	96
alpha-BHC	08/23/2013	16:46	60-125	39.0		40.0	98
alpha-Chlordane	08/23/2013	16:46	65-120	40.2		40.0	100
beta-BHC	08/23/2013	16:46	60-125	40.3		40.0	101
delta-BHC	08/23/2013	16:46	55-130	40.7		40.0	102
Dieldrin	08/23/2013	16:46	65-125	41.5		40.0	104
Endosulfan I	08/23/2013	16:46	15-135	41.0		40.0	102
Endosulfan II	08/23/2013	16:46	35-140	42.9		40.0	107
Endosulfan sulfate	08/23/2013	16:46	60-135	43.3		40.0	108
Endrin	08/23/2013	16:46	60-135	41.4		40.0	104
Endrin aldehyde	08/23/2013	16:46	35-145	36.8		40.0	92
Endrin ketone	08/23/2013	16:46	65-135	43.4		40.0	108
gamma-Chlordane	08/23/2013	16:46	65-125	40.8		40.0	102
Heptachlor	08/23/2013	16:46	50-140	40.1		40.0	100
Heptachlor epoxide	08/23/2013	16:46	65-130	40.4		40.0	101
Lindane	08/23/2013	16:46	60-125	39.8		40.0	100
Methoxychlor	08/23/2013	16:46	55-145	44.9		40.0	112

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R
Chlordane (Technical)	08/23/2013	17:01	53-130	247		250	99
Toxaphene	08/23/2013	17:01	44-152	244		250	98

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3F

Sample Description

LCS

SOIL PESTICIDE LAB CONTROL SAMPLE

Lab Name:	CT Laboratories	Contract	ECC-RVAAP
Sample No.:	338946	SDG No.:	99211
Analytical Method:	EPA 8081B	Concentration Units:	ug/kg

Spike Recovery: 0 out of 22 outside limits

CT Laboratories

4C-1

PESTICIDE METHOD BLANK SUMMARY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Sample ID:	338945	SDG No.:	99211
Matrix:	SOLID	Date Extracted:	08/19/2013
Date Analyzed:	08/23/2013	Time Analyzed:	16:31
Analytical Method:	EPA 8081B	Extraction Method:	SW3546
Analytical Run #:	96923	Extraction Batch #:	45488
		ICAL Calibration #:	082213pstic

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

SEQUENCE	SAMPLE DESCRIPTION	SAMPLE ID	DATE/TIME ANALYZED
1	083SB-0012M-0001-SO	337828	08/23/2013 17:17
2	MBS	338945	08/23/2013 16:31
3	LCSS	338946	08/23/2013 16:46
4	LCSS	338946	08/23/2013 17:01
5	083SB-0012M-0001-SOMSS	338947	08/23/2013 17:32
6	083SB-0012M-0001-SOMSDS	338948	08/23/2013 17:48

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 23,2013 16:44:22

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082313pst\006.dat	PEST MRL PP 3946	Aug 23,2013 16:44:22

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	5.000	5.742	14.849	30.000	Passed
ALPHABHC	0.002	0.002	12.862	30.000	Passed
LINDANE	0.002	0.002	18.510	30.000	Passed
BETABHC	0.002	0.002	24.259	30.000	Passed
DELTABHC	0.002	0.002	12.201	30.000	Passed
HEPTACHLOR	0.002	0.002	16.698	30.000	Passed
ALDRIN	0.002	0.002	12.109	30.000	Passed
HEPTAEPOX	0.002	0.002	14.882	30.000	Passed
GAMMACHLOR	0.002	0.002	15.366	30.000	Passed
ALPHACHLOR	0.002	0.002	14.634	30.000	Passed
44DDE	0.002	0.002	8.341	30.000	Passed
ENDOI	0.002	0.002	17.642	30.000	Passed
DIELDRIN	0.002	0.002	12.371	30.000	Passed
ENDRIN	0.002	0.002	2.080	30.000	Passed
44DDD	0.002	0.002	13.147	30.000	Passed
ENDOII	0.002	0.002	15.387	30.000	Passed
44DDT	0.002	0.002	10.408	30.000	Passed
ENDRINALDEH	0.002	0.002	22.847	30.000	Passed
METHOXYCL	0.002	0.002	8.950	30.000	Passed
ENDOSULFATE	0.002	0.002	18.052	30.000	Passed
ENDRINKETONE	0.002	0.002	18.562	30.000	Passed
SURRDCBPEST	5.000	4.889	2.227	30.000	Passed

Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	5.000	5.512	10.242	30.000	Passed
ALPHABHC	0.002	0.002	9.977	30.000	Passed
LINDANE	0.002	0.002	16.212	30.000	Passed
BETABHC	0.002	0.002	21.107	30.000	Passed
DELTABHC	0.002	0.002	11.138	30.000	Passed
HEPTACHLOR	0.002	0.002	16.532	30.000	Passed
ALDRIN	0.002	0.002	10.872	30.000	Passed
HEPTAEPOX	0.002	0.002	15.495	30.000	Passed
GAMMACHLOR	0.002	0.002	15.357	30.000	Passed
ALPHACHLOR	0.002	0.002	15.094	30.000	Passed
ENDOI	0.002	0.002	14.520	30.000	Passed
44DDE	0.002	0.002	9.426	30.000	Passed
DIELDRIN	0.002	0.002	12.859	30.000	Passed
ENDRIN	0.002	0.002	5.176	30.000	Passed
44DDD	0.002	0.002	15.548	30.000	Passed
ENDOII	0.002	0.002	17.097	30.000	Passed
44DDT	0.002	0.002	12.999	30.000	Passed
ENDRINALDEH	0.002	0.002	24.563	30.000	Passed
ENDOSULFATE	0.002	0.002	18.434	30.000	Passed
METHOXYCL	0.002	0.002	16.715	30.000	Passed

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 23,2013 16:44:22

ENDRINKETONE	0.002	0.003	26.089	30.000	**Passed**
SURRDCBPEST	5.000	5.210	4.208	30.000	**Passed**

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 23,2013 16:44:28

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082313pst\008.dat	TC MRL PP 3947	Aug 23,2013 16:44:28

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	14.400	14.035	2.534	30.000	Passed
Chlordane #1	0.012	0.012	1.491	30.000	Passed
Chlordane #2	0.012	0.012	0.200	30.000	Passed
Chlordane #3	0.012	0.011	7.808	30.000	Passed
Chlordane #4	0.012	0.014	15.195	30.000	Passed
Chlordane #5	0.012	0.012	1.941	30.000	Passed
Toxaphene #1	0.012	0.013	7.013	30.000	Passed
Toxaphene #2	0.012	0.012	3.263	30.000	Passed
Toxaphene #3	0.012	0.013	5.805	30.000	Passed
Toxaphene #4	0.012	0.012	1.330	30.000	Passed
Toxaphene #5	0.012	0.012	2.778	30.000	Passed
SURRDCBPEST	14.400	15.034	4.401	30.000	Passed
Chlordane	0.060	0.061	1.528	30.000	Passed
Toxaphene	0.060	0.062	4.038	30.000	Passed

Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	14.400	14.216	1.279	30.000	Passed
Chlordane #1	0.012	0.012	1.172	30.000	Passed
Chlordane #2	0.012	0.012	0.245	30.000	Passed
Chlordane #3	0.012	0.012	3.974	30.000	Passed
Chlordane #4	0.012	0.013	4.907	30.000	Passed
Chlordane #5	0.012	0.012	3.982	30.000	Passed
Toxaphene #1	0.012	0.013	10.196	30.000	Passed
Toxaphene #2	0.012	0.013	9.764	30.000	Passed
Toxaphene #3	0.012	0.013	9.169	30.000	Passed
Toxaphene #4	0.012	0.013	10.316	30.000	Passed
Toxaphene #5	0.012	0.014	12.850	30.000	Passed
SURRDCBPEST	14.400	15.335	6.496	30.000	Passed
Chlordane	0.060	0.062	2.856	30.000	Passed
Toxaphene	0.060	0.066	10.459	30.000	Passed

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 24,2013 22:14:31

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082313pst\027.dat	PEST MRL PP 3946	Aug 24,2013 22:14:31

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	5.000	5.453	9.069	30.000	Passed
ALPHABHC	0.002	0.002	8.097	30.000	Passed
LINDANE	0.002	0.002	0.696	30.000	Passed
BETABHC	0.002	0.002	7.248	30.000	Passed
DELTABHC	0.002	0.002	7.394	30.000	Passed
HEPTACHLOR	0.002	0.002	6.657	30.000	Passed
ALDRIN	0.002	0.002	10.213	30.000	Passed
HEPTAEPOX	0.002	0.002	12.107	30.000	Passed
GAMMACHLOR	0.002	0.002	14.239	30.000	Passed
ALPHACHLOR	0.002	0.002	15.546	30.000	Passed
44DDE	0.002	0.002	12.412	30.000	Passed
ENDOI	0.002	0.002	14.540	30.000	Passed
DIELDRIN	0.002	0.002	16.728	30.000	Passed
ENDRIN	0.002	0.002	22.723	30.000	Passed
44DDD	0.002	0.002	19.001	30.000	Passed
ENDOII	0.002	0.002	18.036	30.000	Passed
44DDT	0.002	0.002	12.528	30.000	Passed
ENDRINALDEH	0.002	0.002	19.752	30.000	Passed
METHOXYCL	0.002	0.002	17.712	30.000	Passed
ENDOSULFATE	0.002	0.002	16.749	30.000	Passed
ENDRINKETONE	0.002	0.002	14.520	30.000	Passed
SURRDCBPEST	5.000	4.180	16.408	30.000	Passed

Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	5.000	5.304	6.087	30.000	Passed
ALPHABHC	0.002	0.002	16.772	30.000	Passed
LINDANE	0.002	0.002	16.322	30.000	Passed
BETABHC	0.002	0.002	22.649	30.000	Passed
DELTABHC	0.002	0.002	17.068	30.000	Passed
HEPTACHLOR	0.002	0.002	22.247	30.000	Passed
ALDRIN	0.002	0.002	12.869	30.000	Passed
HEPTAEPOX	0.002	0.002	19.501	30.000	Passed
GAMMACHLOR	0.002	0.002	22.049	30.000	Passed
ALPHACHLOR	0.002	0.002	19.428	30.000	Passed
ENDOI	0.002	0.002	20.656	30.000	Passed
44DDE	0.002	0.002	11.196	30.000	Passed
DIELDRIN	0.002	0.002	20.511	30.000	Passed
ENDRIN	0.002	0.003	25.922	30.000	Passed
44DDD	0.002	0.002	22.179	30.000	Passed
ENDOII	0.002	0.002	21.794	30.000	Passed
44DDT	0.002	0.003	25.441	30.000	Passed
ENDRINALDEH	0.002	0.002	24.205	30.000	Passed
ENDOSULFATE	0.002	0.003	29.218	30.000	Passed
METHOXYCL	0.002	0.002	19.279	30.000	Passed

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 24,2013 22:14:31

ENDRINKETONE	0.002	0.002	22.258	30.000	**Passed**
SURRDCBPEST	5.000	6.394	27.886	30.000	**Passed**

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 24,2013 22:14:39

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082313pst\029.dat	TC MRL PP 3947	Aug 24,2013 22:14:39

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	14.400	13.364	7.194	30.000	Passed
Chlordane #1	0.012	0.012	3.142	30.000	Passed
Chlordane #2	0.012	0.013	6.692	30.000	Passed
Chlordane #3	0.012	0.013	7.591	30.000	Passed
Chlordane #4	0.012	0.015	25.906	30.000	Passed
Chlordane #5	0.012	0.013	8.122	30.000	Passed
Toxaphene #1	0.012	0.014	16.941	30.000	Passed
Toxaphene #2	0.012	0.013	12.493	30.000	Passed
Toxaphene #3	0.012	0.014	14.756	30.000	Passed
Toxaphene #4	0.012	0.014	13.447	30.000	Passed
Toxaphene #5	0.012	0.013	9.090	30.000	Passed
SURRDCBPEST	14.400	15.426	7.124	30.000	Passed
Chlordane	0.060	0.065	9.034	30.000	Passed
Toxaphene	0.060	0.068	13.345	30.000	Passed

Back Signal

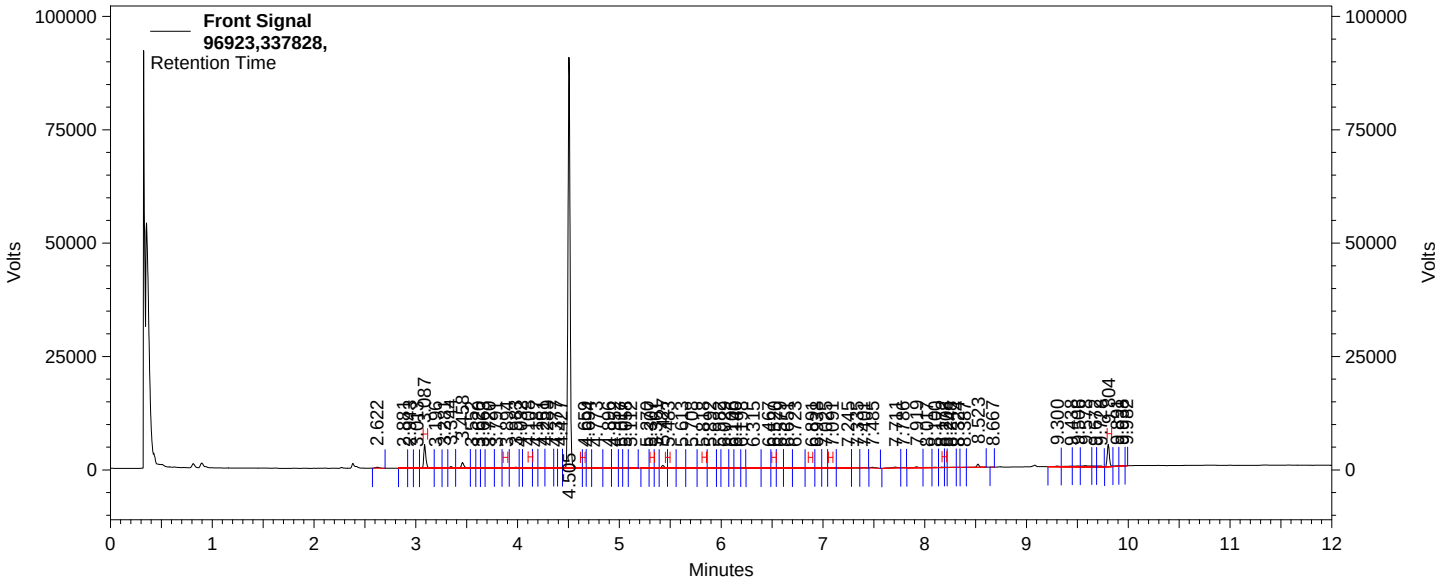
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	14.400	13.922	3.323	30.000	Passed
Chlordane #1	0.012	0.012	1.768	30.000	Passed
Chlordane #2	0.012	0.013	4.621	30.000	Passed
Chlordane #3	0.012	0.014	13.059	30.000	Passed
Chlordane #4	0.012	0.013	12.344	30.000	Passed
Chlordane #5	0.012	0.014	13.139	30.000	Passed
Toxaphene #1	0.012	0.014	16.687	30.000	Passed
Toxaphene #2	0.012	0.014	17.273	30.000	Passed
Toxaphene #3	0.012	0.015	27.549	30.000	Passed
Toxaphene #4	0.012	0.014	20.716	30.000	Passed
Toxaphene #5	0.012	0.015	22.222	30.000	Passed
SURRDCBPEST	14.400	16.192	12.444	30.000	Passed
Chlordane	0.060	0.065	8.986	30.000	Passed
Toxaphene	0.060	0.073	20.889	30.000	Passed

PESTICIDE
SAMPLE DATA
DOCUMENTS

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\024.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: 96923,337828,
Acquired: Aug 23,2013 17:17:21
Printed: Aug 24,2013 22:58:46

Data Summary: {Data Description}



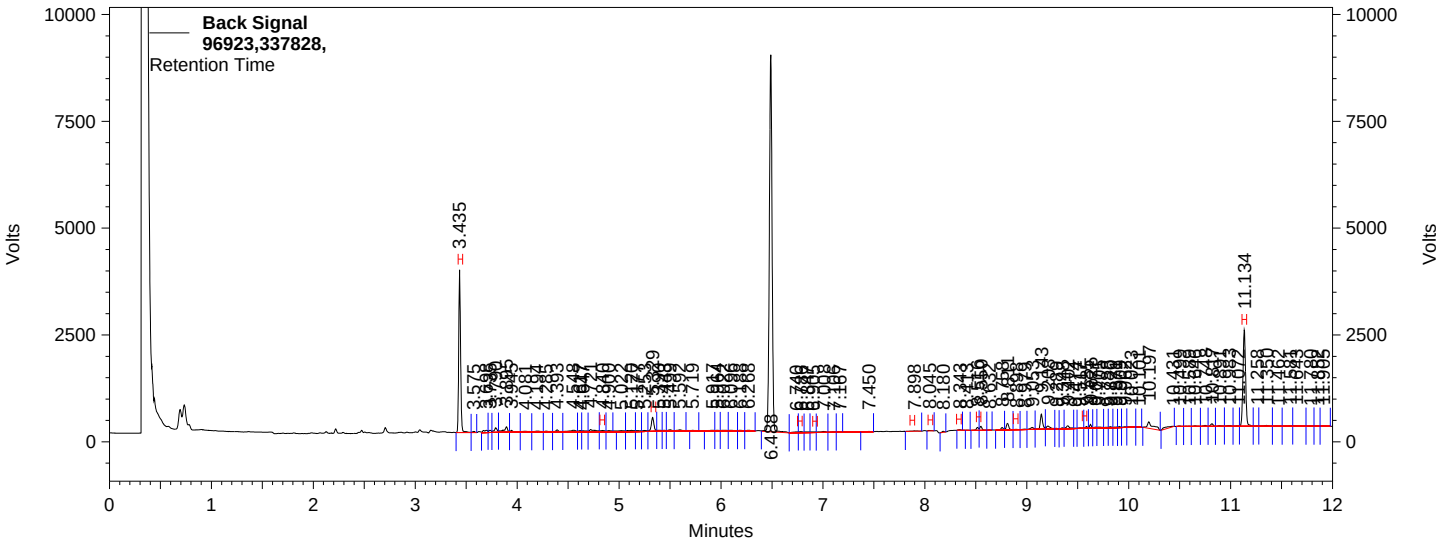
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.087	58367398	63.6654
ALPHABHC			0.0000 BDL
LINDANE	3.894	1644210	0.0005
BETABHC			0.0000 BDL
DELTABHC	4.108	3721457	0.0011
HEPTACHLOR			0.0000 BDL
ALDRIN	4.659	558478	0.0002
HEPTAEPOX	5.307	539160	0.0000
GAMMACHLOR	5.483	1314905	0.0002
ALPHACHLOR			0.0000 BDL
44DDE			0.0000 BDL
ENDOI	5.818	2226166	0.0006
DIELDRIN			0.0000 BDL
ENDRIN	6.520	1115663	0.0005
44DDD			0.0000 BDL
ENDOII	6.891	1164026	0.0003
44DDT	7.091	701885	0.0006
ENDRINALDEH			0.0000 BDL
METHOXYCL			0.0000 BDL
ENDOSULFATE	8.208	407776	0.0000
ENDRINKETONE			0.0000 BDL
SURRDCBPEST	9.804	56319178	70.6819

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\024.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: 96923,337828,
Acquired: Aug 23,2013 17:17:21
Printed: Aug 24,2013 22:58:46

Data Summary: {Data Description}



Back Signal Results

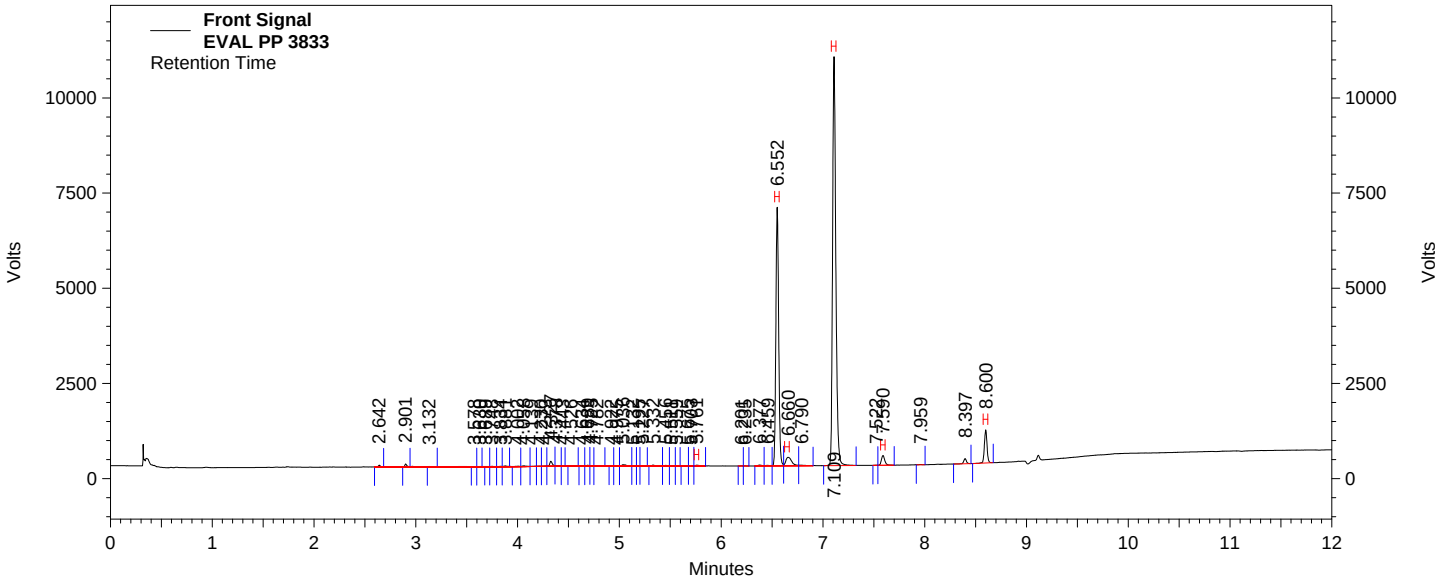
Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.435	37644850	71.6049
ALPHABHC			0.0000 BDL
LINDANE			0.0000 BDL
BETABHC			0.0000 BDL
DELTABHC	4.840	746509	0.0005
HEPTACHLOR			0.0000 BDL
ALDRIN	5.329	4584781	0.0026
HEPTAEPOX			0.0000 BDL
GAMMACHLOR			0.0000 BDL
ALPHACHLOR			0.0000 BDL
ENDOI	6.786	499953	0.0002
44DDE	6.905	389637	0.0003
DIELDRIN			0.0000 BDL
ENDRIN			0.0000 BDL
44DDD	7.898	302864	0.0001
ENDOII	8.045	184151	0.0000
44DDT	8.343	171973	0.0000
ENDRINALDEH	8.516	756940	0.0003
ENDOSULFATE	8.898	140506	0.0000
METHOXYCL			0.0000 BDL
ENDRINKETONE	9.585	424014	0.0000
SURRDCBPEST	11.134	31738986	77.4421

PESTICIDE
INITIAL CALIBRATION
DOCUMENTS

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\001.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\eval.met
User: JJY
Sample ID: EVAL PP 3833
Acquired: Aug 22,2013 15:45:15
Printed: Aug 28,2013 16:00:36

Data Summary: Breakdown A: Endrin 14.4%, DDT 4.0%
B: Endrin 11.0%, DDT 2.6%



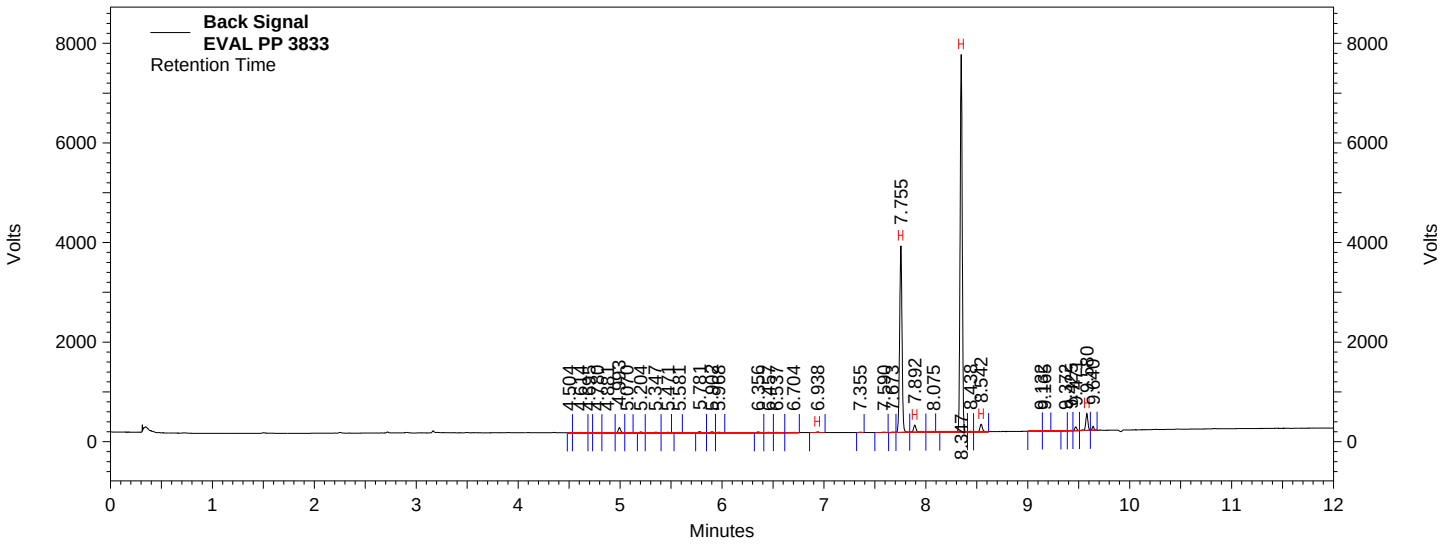
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
44DDE	5.761	618741	0.0006
ENDRIN	6.552	98902871	0.0554
44DDD	6.660	6972432	0.0042
44DDT	7.109	183029400	0.1047
ENDRINALDEH	7.590	4597224	0.0028
ENDRINKETONE	8.600	12022859	0.0051

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\001.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\eval.met
User: JJY
Sample ID: EVAL PP 3833
Acquired: Aug 22,2013 15:45:15
Printed: Aug 28,2013 16:00:36

Data Summary: **Breakdown A: Endrin 14.4%, DDT 4.0%**
B: Endrin 11.0%, DDT 2.6%



Back Signal Results

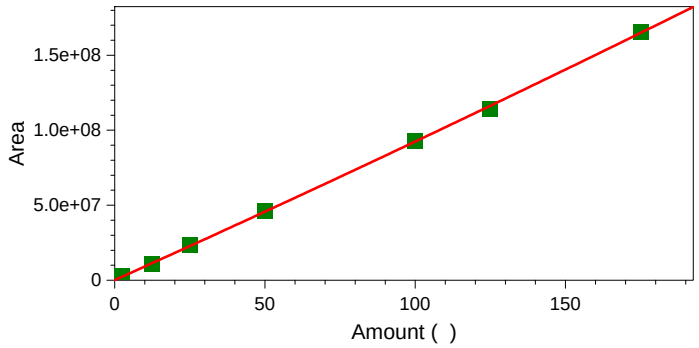
Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
44DDE	6.938	201414	0.0004
ENDRIN	7.755	47589711	0.0365
44DDD	7.892	2042372	0.0018
44DDT	8.347	83854607	0.0733
ENDRINALDEH	8.542	1987295	0.0018
ENDRINKETONE	9.580	3914147	0.0025

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:02
User: JJY
Instrument: Semi 6

SURRTCMXPEST (Front Signal)
Average RF: 926758. RF StDev: 30158.8 RF %RSD: 3.25422
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 239.991x^2 + 899589.x + 121974.
Goodness of fit (r^2): 0.999723

Peak: SURRTCMXPEST -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	2.5	12.5	25	50	100
Area	2423407	10896800	23194003	46268932	93102305
RF	969362.8	871744	927760.12	925378.64	931023.05
Last Area					
Residual	-0.0565737	0.560526	-0.474187	-0.614403	-0.655823
Rep StDev					
Rep %RSD					
Rep 1 Area	2423407	10896800	23194003	46268932	93102305
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	125	175
Area	114288963	165851781

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:02
User: JJY
Instrument: Semi 6

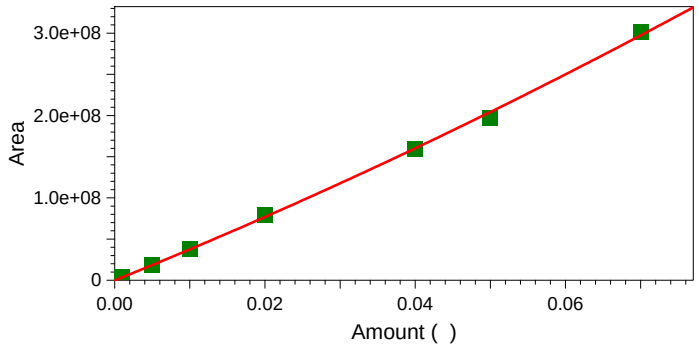
RF	914311.704	947724.462857143
Last Area Residual	2.11813	-0.967723
Rep StDev		
Rep %RSD		
Rep 1 Area	114288963	165851781
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:06
User: JJY
Instrument: Semi 6

ALPHABHC (Front Signal)
Average RF: 3.86878e+009 RF StDev: 2.91743e+008 RF %RSD: 7.54095
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 8.01446e+009x^2 + 3.68917e+009x - 235556.
Goodness of fit (r^2): 0.998954

Peak: ALPHABHC -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	3370261	18466872	38108499	78989527	159789459
RF	3370261000	3693374400	3810849900	3949476350	3994736475
Last Area					
Residual	2.46617e-005	-1.49077e-005	-0.000169019	-0.000556972	8.43269e-005
Rep StDev					
Rep %RSD					
Rep 1 Area	3370261	18466872	38108499	78989527	159789459
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	197365542	302079949

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:06
User: JJY
Instrument: Semi 6

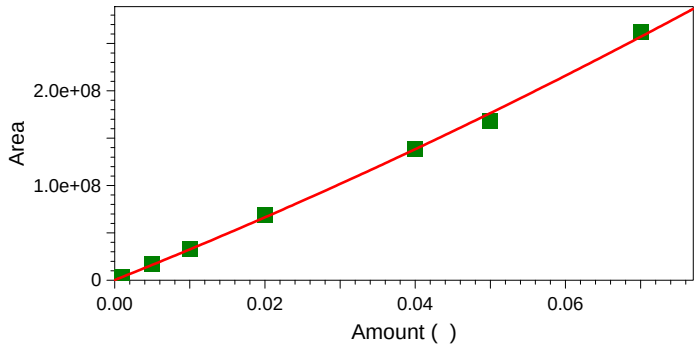
RF	3947310840	4315427842.85714
Last Area Residual	0.00153938	-0.000996522
Rep StDev		
Rep %RSD		
Rep 1 Area	197365542	302079949
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:07
User: JJY
Instrument: Semi 6

LINDANE (Front Signal)
Average RF: 3.40875e+009 RF StDev: 1.73558e+008 RF %RSD: 5.09154
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 7.17490e+009x^2 + 3.16651e+009x + 193194.
Goodness of fit (r^2): 0.998100

Peak: LINDANE -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	3208041	16676367	32988166	68940064	138027811
RF	3208041000	3335273400	3298816600	3447003200	3450695275
Last Area					
Residual	4.99415e-005	-0.000145477	-0.000124549	-0.000736293	8.1733e-005
Rep StDev					
Rep %RSD					
Rep 1 Area	3208041	16676367	32988166	68940064	138027811
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	168446242	262674252

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:07
User: JJY
Instrument: Semi 6

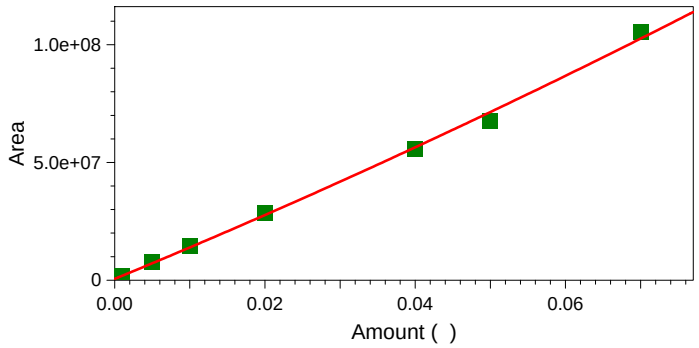
RF	3368924840	3752489314.28571
Last Area Residual	0.00207016	-0.00135581
Rep StDev		
Rep %RSD		
Rep 1 Area	168446242	262674252
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:08
User: JJY
Instrument: Semi 6

BETABHC (Front Signal)
Average RF: 1.48486e+009 RF StDev: 1.20998e+008 RF %RSD: 8.14881
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 2.03236e+009x^2 + 1.31509e+009x + 569083.
Goodness of fit (r^2): 0.997036

Peak: BETABHC -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1712573	7770058	14397409	28662347	55721391
RF	1712573000	1554011600	1439740900	1433117350	1393034775
Last Area					
Residual	0.000131653	-0.000430066	-0.000349547	-0.000699971	0.000476227
Rep StDev					
Rep %RSD					
Rep 1 Area	1712573	7770058	14397409	28662347	55721391
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	67631366	105623203
RF	1352627320	1508902900

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:08
User: JJY
Instrument: Semi 6

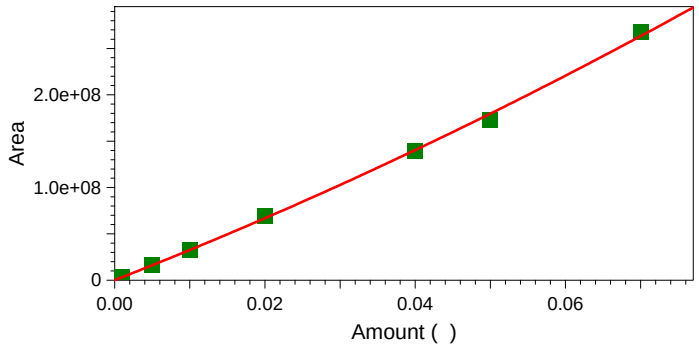
Last Area Residual	0.00249352	-0.00189521
Rep StDev		
Rep %RSD		
Rep 1 Area	67631366	105623203
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:10
User: JJY
Instrument: Semi 6

DELTABHC (Front Signal)
Average RF: 3.42631e+009 RF StDev: 2.18014e+008 RF %RSD: 6.36294
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 8.43184e+009x^2 + 3.17052e+009x + 87963.9
Goodness of fit (r^2): 0.998598

Peak: DELTABHC -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	3150930	16379966	33087700	69272936	139874566
RF	3150930000	3275993200	3308770000	3463646800	3496864150
Last Area					
Residual	3.63914e-005	-7.02287e-005	-0.000135134	-0.000683612	0.000136579
Rep StDev					
Rep %RSD					
Rep 1 Area	3150930	16379966	33087700	69272936	139874566
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	172723845	268342072

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:10
User: JJY
Instrument: Semi 6

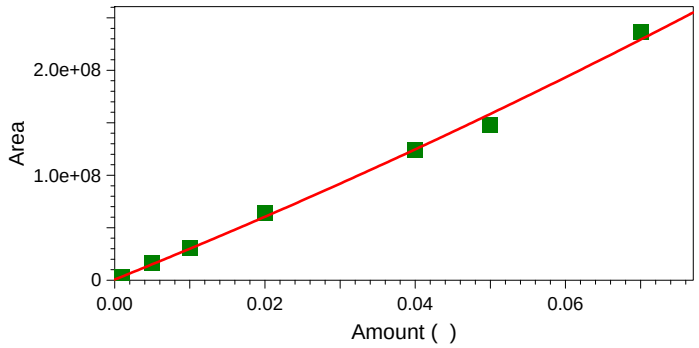
RF	3454476900	3833458171.42857
Last Area Residual	0.00174282	-0.00114706
Rep StDev		
Rep %RSD		
Rep 1 Area	172723845	268342072
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:11
User: JJY
Instrument: Semi 6

HEPTACHLOR (Front Signal)
Average RF: 3.16514e+009 RF StDev: 1.44681e+008 RF %RSD: 4.57106
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 5.49411e+009x^2 + 2.88096e+009x + 632709.
Goodness of fit (r^2): 0.995672

Peak: HEPTACHLOR -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	3241170	16184596	30323936	63948286	124298257
RF	3241170000	3236919200	3032393600	3197414300	3107456425
Last Area					
Residual	9.61427e-005	-0.000343714	-0.000111071	-0.00112614	0.000109415
Rep StDev					
Rep %RSD					
Rep 1 Area	3241170	16184596	30323936	63948286	124298257
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	147756653	236986620

Calibration Report

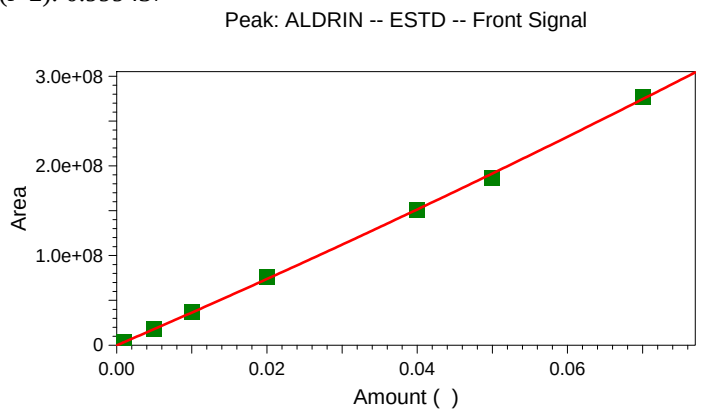
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:11
User: JJY
Instrument: Semi 6

RF	2955133060	3385523142.85714
Last Area Residual	0.0031229	-0.00212079
Rep StDev		
Rep %RSD		
Rep 1 Area	147756653	236986620
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:12
User: JJY
Instrument: Semi 6

ALDRIN (Front Signal)
Average RF: 3.71239e+009 RF StDev: 1.65028e+008 RF %RSD: 4.44534
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 4.46890e+009x^2 + 3.60883e+009x - 114815.
Goodness of fit (r^2): 0.999437



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	3512100	17451230	37146397	75851740	151005700
RF	3512100000	3490246000	3714639700	3792587000	3775142500
Last Area Residual	-3.76441e-006	0.000161469	-0.000196278	-0.000528358	9.65276e-005
Rep StDev					
Rep %RSD					
Rep 1 Area	3512100	17451230	37146397	75851740	151005700
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	186943370	277418516

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:12
User: JJY
Instrument: Semi 6

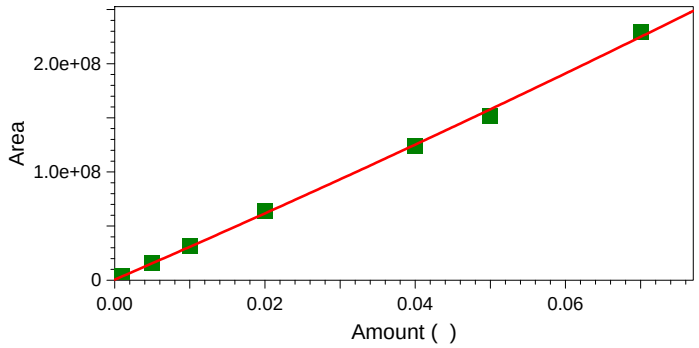
RF	3738867400	3963121657.14286
Last Area Residual	0.00112461	-0.000712138
Rep StDev		
Rep %RSD		
Rep 1 Area	186943370	277418516
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:14
User: JJY
Instrument: Semi 6

HEPTAEPOX (Front Signal)
Average RF: 3.19501e+009 RF StDev: 1.16900e+008 RF %RSD: 3.65885
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 2.88661e+009x^2 + 3.00132e+009x + 560822.
Goodness of fit (r^2): 0.998200

Peak: HEPTAEPOX -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	3385224	16005371	31684026	64026576	123991131
RF	3385224000	3201074200	3168402600	3201328800	3099778275
Last Area					
Residual	5.97975e-005	-0.000120697	-0.000268423	-0.000732528	0.000384113
Rep StDev					
Rep %RSD					
Rep 1 Area	3385224	16005371	31684026	64026576	123991131
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	151337785	229773018

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:14
User: JJY
Instrument: Semi 6

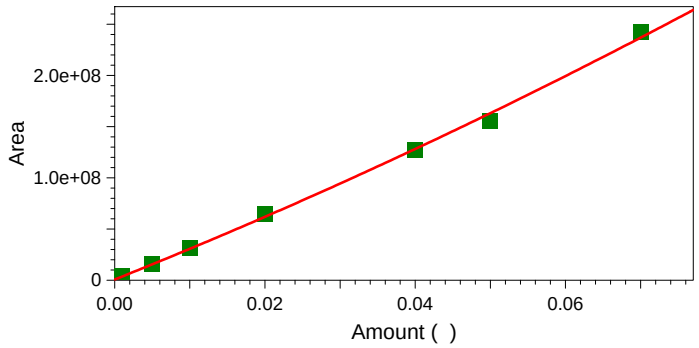
RF	3026755700	3282471685.71429
Last Area Residual	0.00198085	-0.00145918
Rep StDev		
Rep %RSD		
Rep 1 Area	151337785	229773018
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:15
User: JJY
Instrument: Semi 6

GAMMACHLOR (Front Signal)
Average RF: 3.25041e+009 RF StDev: 1.41348e+008 RF %RSD: 4.34863
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 6.27445e+009x^2 + 2.93532e+009x + 693864.
Goodness of fit (r^2): 0.997670

Peak: GAMMACHLOR -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	3424874	16024409	31420847	64629313	126893286
RF	3424874000	3204881800	3142084700	3231465650	3172332150
Last Area					
Residual	7.14475e-005	-0.000165741	-0.000243708	-0.000851983	0.000364652
Rep StDev					
Rep %RSD					
Rep 1 Area	3424874	16024409	31420847	64629313	126893286
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	155330016	242943767

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:15
User: JJY
Instrument: Semi 6

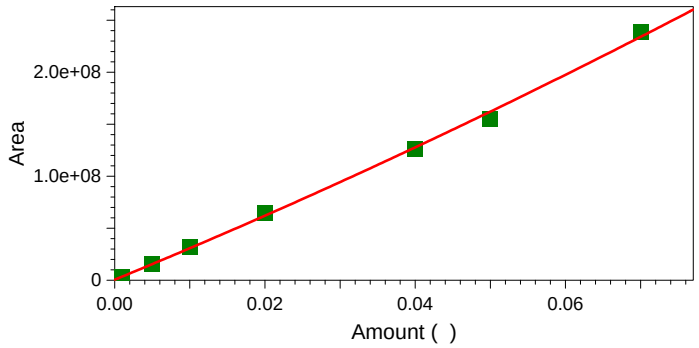
RF	3106600320	3470625242.85714
Last Area Residual	0.00220236	-0.0015777
Rep StDev		
Rep %RSD		
Rep 1 Area	155330016	242943767
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:16
User: JJY
Instrument: Semi 6

ALPHACHLOR (Front Signal)
Average RF: 3.22298e+009 RF StDev: 1.07369e+008 RF %RSD: 3.33135
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 5.19024e+009x^2 + 2.97343e+009x + 516547.
Goodness of fit (r^2): 0.998252

Peak: ALPHACHLOR -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	3317442	15864061	31668161	64263265	126503404
RF	3317442000	3172812200	3166816100	3213163250	3162585100
Last Area					
Residual	5.95709e-005	-0.00011586	-0.000291756	-0.000691424	0.000370537
Rep StDev					
Rep %RSD					
Rep 1 Area	3317442	15864061	31668161	64263265	126503404
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	155498517	239264690
RF	3109970340	3418067000

Calibration Report

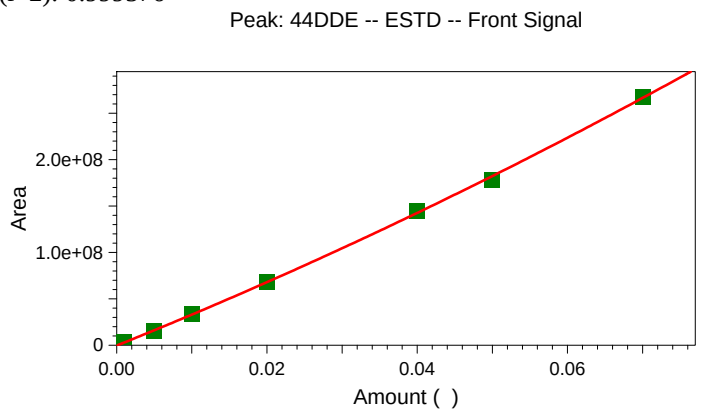
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:16
User: JJY
Instrument: Semi 6

Last Area		
Residual	0.00191394	-0.00139604
Rep StDev		
Rep %RSD		
Rep 1 Area	155498517	239264690
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:18
User: JJY
Instrument: Semi 6

44DDE (Front Signal)
Average RF: 3.40779e+009 RF StDev: 3.03425e+008 RF %RSD: 8.90386
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 7.96393e+009x^2 + 3.25520e+009x - 356920.
Goodness of fit (r^2): 0.999576



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	2987276	15257684	33838552	68327408	144770821
RF	2987276000	3051536800	3383855200	3416370400	3619270525
Last Area Residual	-2.47698e-005	0.000258194	-0.000247934	-0.000110419	-0.000558759
Rep StDev					
Rep %RSD					
Rep 1 Area	2987276	15257684	33838552	68327408	144770821
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	178321073	268088208

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:18
User: JJY
Instrument: Semi 6

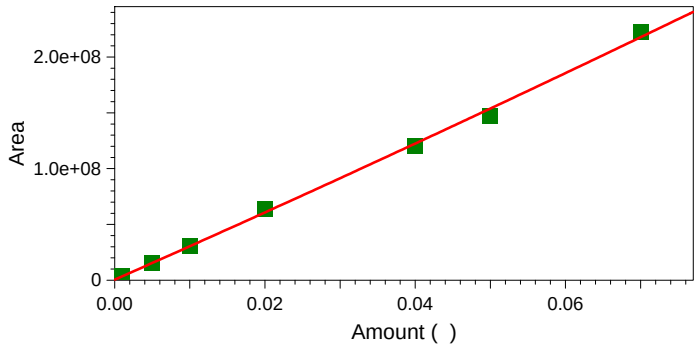
RF	3566421460	3829831542.85714
Last Area Residual	0.000987196	-0.000356207
Rep StDev		
Rep %RSD		
Rep 1 Area	178321073	268088208
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:19
User: JJY
Instrument: Semi 6

ENDOI (Front Signal)
Average RF: 3.12982e+009 RF StDev: 1.29885e+008 RF %RSD: 4.14991
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 1.83880e+009x^2 + 2.97496e+009x + 509672.
Goodness of fit (r^2): 0.997824

Peak: ENDOI -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	3339240	15630302	30923550	64121458	120590406
RF	3339240000	3126060400	3092355000	3206072900	3014760150
Last Area					
Residual	4.94291e-005	-6.67722e-005	-0.000159507	-0.00110706	0.000595834
Rep StDev					
Rep %RSD					
Rep 1 Area	3339240	15630302	30923550	64121458	120590406
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	147285664	222919957

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:19
User: JJY
Instrument: Semi 6

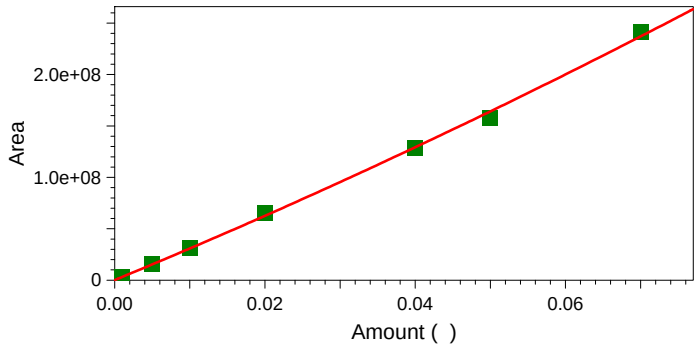
RF	2945713280	3184570814.28571
Last Area Residual	0.00208202	-0.00159282
Rep StDev		
Rep %RSD		
Rep 1 Area	147285664	222919957
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:20
User: JJY
Instrument: Semi 6

DIELDRIN (Front Signal)
Average RF: 3.20057e+009 RF StDev: 1.27751e+008 RF %RSD: 3.99152
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 5.22320e+009x^2 + 3.01857e+009x + 169309.
Goodness of fit (r^2): 0.998415

Peak: DIELDRIN -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	3087688	15436959	31555728	65127961	128372523
RF	3087688000	3087391800	3155572800	3256398050	3209313075
Last Area					
Residual	3.48021e-005	-1.44078e-005	-0.000217162	-0.000773031	0.000260986
Rep StDev					
Rep %RSD					
Rep 1 Area	3087688	15436959	31555728	65127961	128372523
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	157621817	241863951
RF	3152436340	3455199300

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:20
User: JJY
Instrument: Semi 6

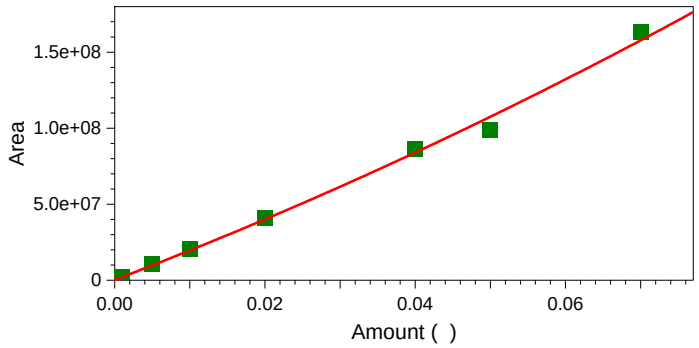
Last Area		
Residual	0.00185028	-0.00127817
Rep StDev		
Rep %RSD		
Rep 1 Area	157621817	241863951
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:21
User: JJY
Instrument: Semi 6

ENDRIN (Front Signal)
Average RF: 2.08398e+009 RF StDev: 1.34898e+008 RF %RSD: 6.47306
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 5.22520e+009x^2 + 1.88463e+009x + 237411.
Goodness of fit (r^2): 0.994152

Peak: ENDRIN -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1926162	10489443	20703763	40669330	86029434
RF	1926162000	2097888600	2070376300	2033466500	2150735850
Last Area					
Residual	0.000106152	-0.000360143	-0.000550947	-0.000309826	-0.000886914
Rep StDev					
Rep %RSD					
Rep 1 Area	1926162	10489443	20703763	40669330	86029434
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	98586233	163627403

Calibration Report

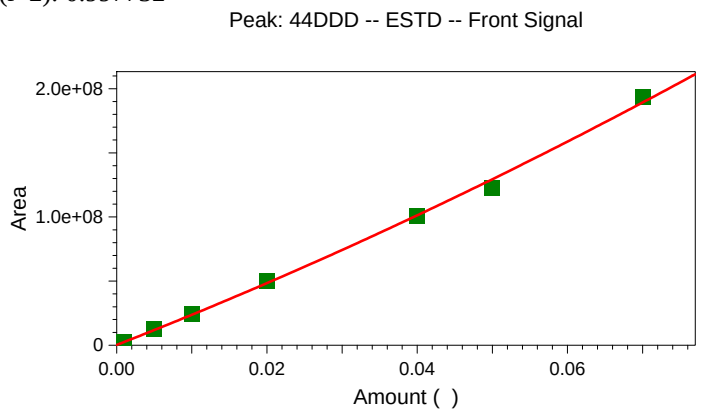
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:21
User: JJY
Instrument: Semi 6

RF	1971724660	2337534328.57143
Last Area Residual	0.00374684	-0.00223081
Rep StDev		
Rep %RSD		
Rep 1 Area	98586233	163627403
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:23
User: JJY
Instrument: Semi 6

44DDD (Front Signal)
Average RF: 2.50269e+009 RF StDev: 1.27662e+008 RF %RSD: 5.10100
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 5.81854e+009x^2 + 2.29340e+009x + 221130.
Goodness of fit (r^2): 0.997732



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	2374576	12212972	24434926	50050118	100988159
RF	2374576000	2442594400	2443492600	2502505900	2524703975
Last Area					
Residual	6.32497e-005	-0.000161271	-0.00028944	-0.000645729	0.000100978
Rep StDev					
Rep %RSD					
Rep 1 Area	2374576	12212972	24434926	50050118	100988159
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	123000814	193964852

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:23
User: JJY
Instrument: Semi 6

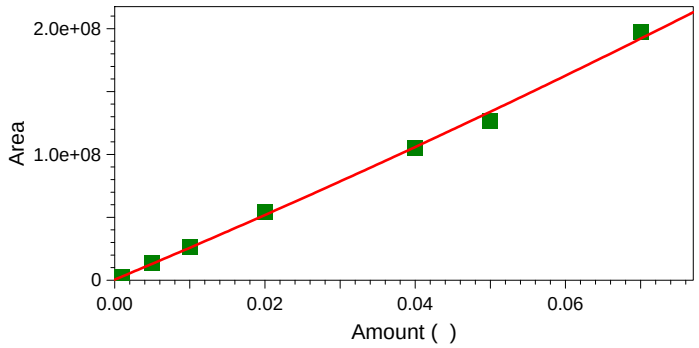
RF	2460016280	2770926457.14286
Last Area Residual	0.00224883	-0.00150639
Rep StDev		
Rep %RSD		
Rep 1 Area	123000814	193964852
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:24
User: JJY
Instrument: Semi 6

ENDOII (Front Signal)
Average RF: 2.69272e+009 RF StDev: 9.84738e+007 RF %RSD: 3.65704
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 3.37101e+009x^2 + 2.50083e+009x + 476701.
Goodness of fit (r^2): 0.996847

Peak: ENDOII -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	2763059	13696228	26561747	54314515	104731923
RF	2763059000	2739245600	2656174700	2715725750	2618298075
Last Area					
Residual	8.68828e-005	-0.000248927	-0.000287904	-0.000937121	0.000423034
Rep StDev					
Rep %RSD					
Rep 1 Area	2763059	13696228	26561747	54314515	104731923
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	126560428	197771932

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:24
User: JJY
Instrument: Semi 6

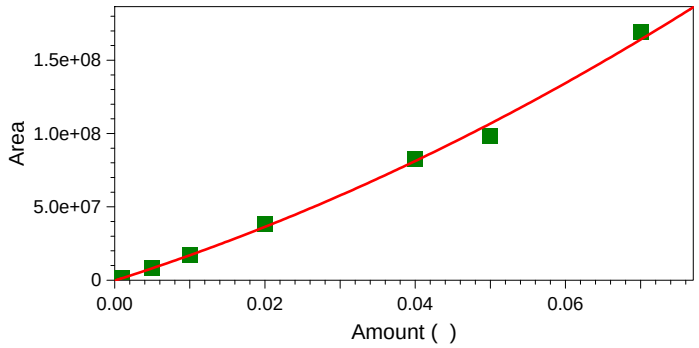
RF	2531208560	2825313314.28571
Last Area Residual	0.00261037	-0.00191979
Rep StDev		
Rep %RSD		
Rep 1 Area	126560428	197771932
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:25
User: JJY
Instrument: Semi 6

44DDT (Front Signal)
Average RF: 1.87225e+009 RF StDev: 3.46216e+008 RF %RSD: 18.4920
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 1.03401e+010x^2 + 1.62354e+009x - 234328.
Goodness of fit (r^2): 0.995496

Peak: 44DDT -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1305988	8527930	17328955	38000279	82585252
RF	1305988000	1705586000	1732895500	1900013950	2064631300
Last Area					
Residual	5.69243e-005	-0.000223255	-0.000160419	-0.000795846	-0.000543042
Rep StDev					
Rep %RSD					
Rep 1 Area	1305988	8527930	17328955	38000279	82585252
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	98684483	169606740

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:25
User: JJY
Instrument: Semi 6

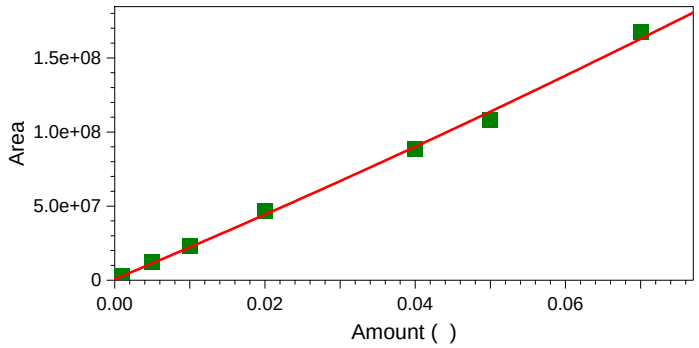
RF	1973689660	2422953428.57143
Last Area Residual	0.00308816	-0.00178887
Rep StDev		
Rep %RSD		
Rep 1 Area	98684483	169606740
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:27
User: JJY
Instrument: Semi 6

ENDRINALDEH (Front Signal)
Average RF: 2.34347e+009 RF StDev: 1.51902e+008 RF %RSD: 6.48190
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 2.76692e+009x^2 + 2.12293e+009x + 716282.
Goodness of fit (r^2): 0.996791

Peak: ENDRINALDEH -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	2617774	12023190	22869984	46635292	88379099
RF	2617774000	2404638000	2286998400	2331764600	2209477475
Last Area					
Residual	0.000105349	-0.000289631	-0.000297262	-0.00105242	0.000717781
Rep StDev					
Rep %RSD					
Rep 1 Area	2617774	12023190	22869984	46635292	88379099
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	107789798	167850552

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:27
User: JJY
Instrument: Semi 6

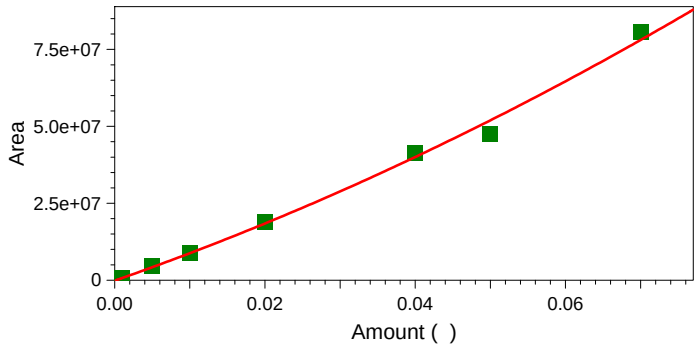
RF	2155795960	2397865028.57143
Last Area Residual	0.00250347	-0.00197619
Rep StDev		
Rep %RSD		
Rep 1 Area	107789798	167850552
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:28
User: JJY
Instrument: Semi 6

METHOXYCL (Front Signal)
Average RF: 9.35597e+008 RF StDev: 1.49501e+008 RF %RSD: 15.9792
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 3.76836e+009x^2 + 8.53367e+008x - 136599.
Goodness of fit (r^2): 0.994356

Peak: METHOXYCL -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	664129	4516138	8928219	19049817	41206727
RF	664129000	903227600	892821900	952490850	1030168175
Last Area					
Residual	6.55395e-005	-0.000326909	-0.000166046	-0.000607855	-0.00101779
Rep StDev					
Rep %RSD					
Rep 1 Area	664129	4516138	8928219	19049817	41206727
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	47577552	80835518

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:28
User: JJY
Instrument: Semi 6

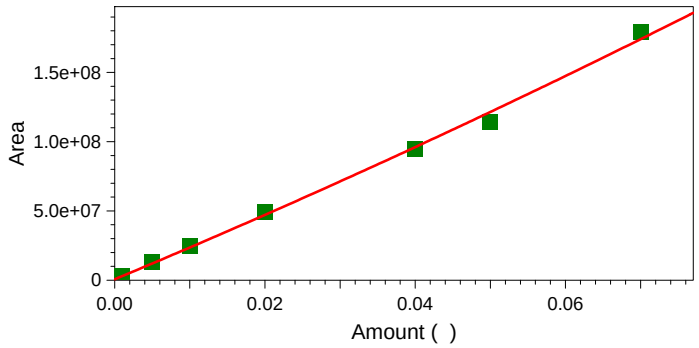
RF	951551040	1154793114.28571
Last Area Residual	0.003596	-0.00199609
Rep StDev		
Rep %RSD		
Rep 1 Area	47577552	80835518
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:29
User: JJY
Instrument: Semi 6

ENDOSULFATE (Front Signal)
Average RF: 2.48667e+009 RF StDev: 1.37055e+008 RF %RSD: 5.51158
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 3.04322e+009x^2 + 2.26292e+009x + 689420.
Goodness of fit (r^2): 0.996488

Peak: ENDOSULFATE -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	2700782	12838783	24524706	49165714	94994102
RF	2700782000	2567756600	2452470600	2458285700	2374852550
Last Area					
Residual	0.000112224	-0.000330678	-0.000387871	-0.000838074	0.000431601
Rep StDev					
Rep %RSD					
Rep 1 Area	2700782	12838783	24524706	49165714	94994102
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	114375287	179552024

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:29
User: JJY
Instrument: Semi 6

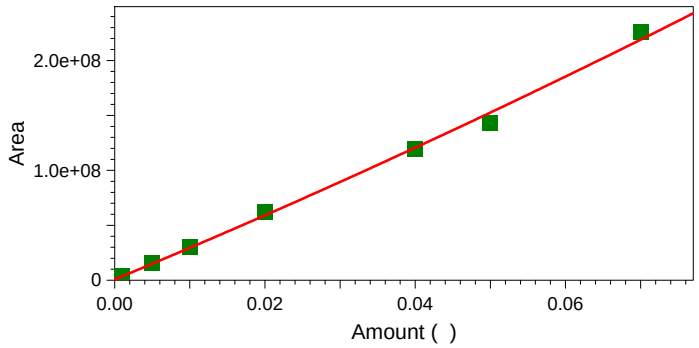
RF	2287505740	2565028914.28571
Last Area Residual	0.00276223	-0.00205792
Rep StDev		
Rep %RSD		
Rep 1 Area	114375287	179552024
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:30
User: JJY
Instrument: Semi 6

ENDRINKETONE (Front Signal)
Average RF: 3.09472e+009 RF StDev: 1.43945e+008 RF %RSD: 4.65130
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 3.99546e+009x^2 + 2.83813e+009x + 710369.
Goodness of fit (r^2): 0.995936

Peak: ENDRINKETONE -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	3251085	15928331	30353250	62355479	119034956
RF	3251085000	3185666200	3035325000	3117773950	2975873900
Last Area					
Residual	0.000105918	-0.00032209	-0.000295291	-0.00109392	0.000504925
Rep StDev					
Rep %RSD					
Rep 1 Area	3251085	15928331	30353250	62355479	119034956
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	143134039	226423728

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:30
User: JJY
Instrument: Semi 6

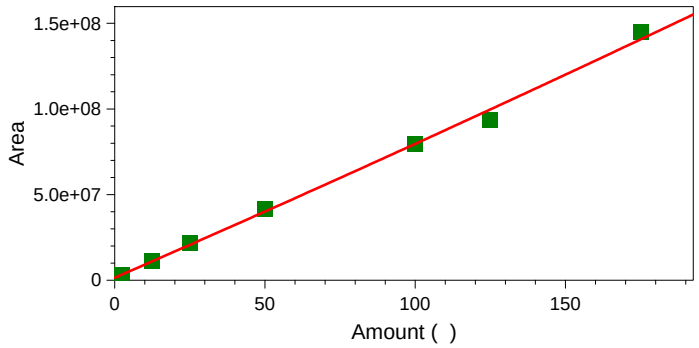
RF	2862680780	3234624685.71429
Last Area Residual	0.00293606	-0.00219196
Rep StDev		
Rep %RSD		
Rep 1 Area	143134039	226423728
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:31
User: JJY
Instrument: Semi 6

SURRDCBPEST (Front Signal)
Average RF: 890398. RF StDev: 166014. RF %RSD: 18.6449
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 184.115x^2 + 763108.x + 1.46147e+006
Goodness of fit (r^2): 0.995906

Peak: SURRDCBPEST -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	2.5	12.5	25	50	100
Area	3117206	11474950	21562290	41779191	79289701
RF	1246882.4	917996	862491.6	835583.82	792897.01
Last Area					
Residual	0.331406	-0.580694	-1.17543	-2.17676	0.404669
Rep StDev					
Rep %RSD					
Rep 1 Area	3117206	11474950	21562290	41779191	79289701
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	125	175
Area	93365496	145252325

Calibration Report

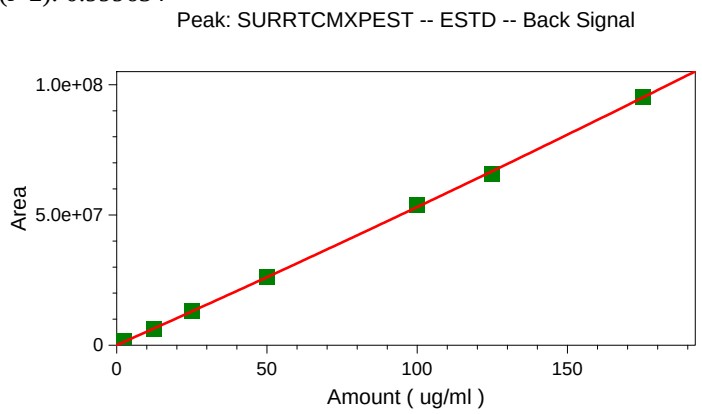
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:31
User: JJY
Instrument: Semi 6

RF	746923.968	830013.285714286
Last Area Residual	7.87585	-5.56199
Rep StDev		
Rep %RSD		
Rep 1 Area	93365496	145252325
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:37
User: JJY
Instrument: Semi 6

SURRTCMXPEST (Back Signal)
Average RF: 528854. RF StDev: 17487.8 RF %RSD: 3.30673
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 172.526x^2 + 512732.x + 46195.7
Goodness of fit (r^2): 0.999654



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	2.5	12.5	25	50	100
Area	1365784	6191441	13137321	26327455	53816372
RF	546313.6	495315.28	525492.84	526549.1	538163.72
Last Area					
Residual	-0.071419	0.562641	-0.316465	-0.402541	-1.40967
Rep StDev					
Rep %RSD					
Rep 1 Area	1365784	6191441	13137321	26327455	53816372
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	125	175
Area	65559212	95492258

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:37
User: JJY
Instrument: Semi 6

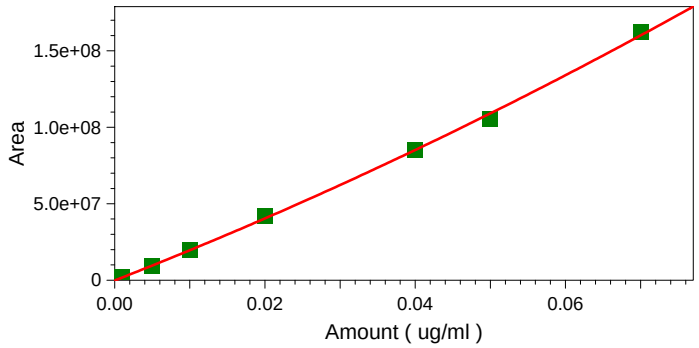
RF	524473.696	545670.045714286
Last Area Residual	2.29382	-0.75785
Rep StDev		
Rep %RSD		
Rep 1 Area	65559212	95492258
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:39
User: JJY
Instrument: Semi 6

ALPHABHC (Back Signal)
Average RF: 2.04177e+009 RF StDev: 1.81237e+008 RF %RSD: 8.87646
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 5.23086e+009x^2 + 1.92295e+009x - 143615.
Goodness of fit (r^2): 0.998877

Peak: ALPHABHC -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1755904	9505161	19927057	41697054	85220002
RF	1755904000	1901032200	1992705700	2084852700	2130500050
Last Area					
Residual	1.48251e-005	4.89853e-005	-0.000156816	-0.000603801	-3.25549e-005
Rep StDev					
Rep %RSD					
Rep 1 Area	1755904	9505161	19927057	41697054	85220002
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	105175078	162674320

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:39
User: JJY
Instrument: Semi 6

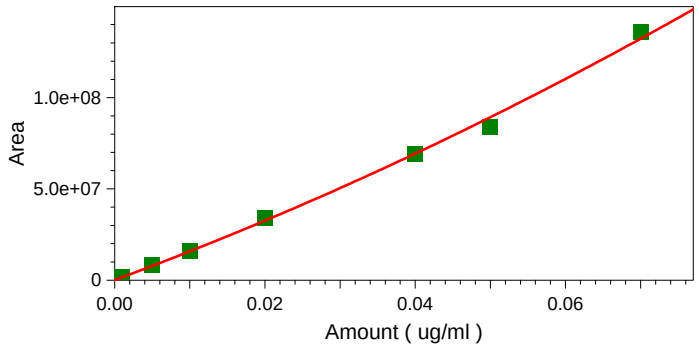
RF	2103501560	2323918857.14286
Last Area Residual	0.00160235	-0.000969872
Rep StDev		
Rep %RSD		
Rep 1 Area	105175078	162674320
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:40
User: JJY
Instrument: Semi 6

LINDANE (Back Signal)
Average RF: 1.69245e+009 RF StDev: 1.31668e+008 RF %RSD: 7.77972
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 5.24215e+009x^2 + 1.52149e+009x + 107564.
Goodness of fit (r^2): 0.996669

Peak: LINDANE -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1527556	8215568	16055447	34330780	69214047
RF	1527556000	1643113600	1605544700	1716539000	1730351175
Last Area					
Residual	6.9694e-005	-0.000234569	-0.00012829	-0.000977064	7.25129e-005
Rep StDev					
Rep %RSD					
Rep 1 Area	1527556	8215568	16055447	34330780	69214047
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	83871934	136263066

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:40
User: JJY
Instrument: Semi 6

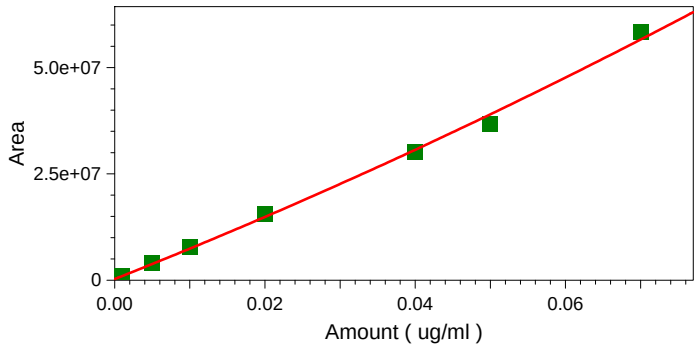
RF	1677438680	1946615228.57143
Last Area Residual	0.00266555	-0.00175062
Rep StDev		
Rep %RSD		
Rep 1 Area	83871934	136263066
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:41
User: JJY
Instrument: Semi 6

BETABHC (Back Signal)
Average RF: 7.98141e+008 RF StDev: 5.34127e+007 RF %RSD: 6.69214
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 1.49023e+009x^2 + 7.00173e+008x + 281699.
Goodness of fit (r^2): 0.996262

Peak: BETABHC -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	885757	4142250	7719640	15496966	30269443
RF	885757000	828450000	771964000	774848300	756736075
Last Area					
Residual	0.000138851	-0.000450483	-0.000393108	-0.000809105	0.000492929
Rep StDev					
Rep %RSD					
Rep 1 Area	885757	4142250	7719640	15496966	30269443
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	36677725	58497169

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:41
User: JJY
Instrument: Semi 6

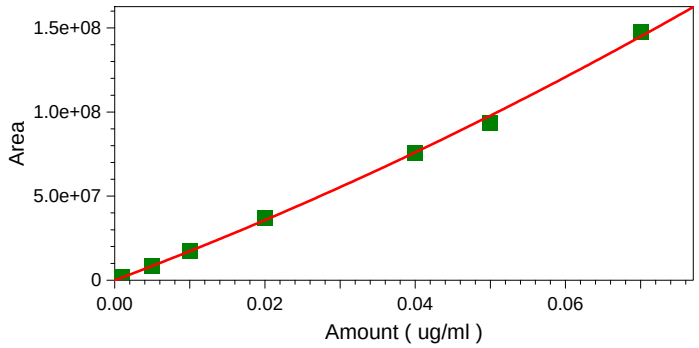
RF	733554500	835673842.857143
Last Area Residual	0.00276686	-0.00208488
Rep StDev		
Rep %RSD		
Rep 1 Area	36677725	58497169
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:43
User: JJY
Instrument: Semi 6

DELTABHC (Back Signal)
Average RF: 1.82652e+009 RF StDev: 1.67654e+008 RF %RSD: 9.17885
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 5.61489e+009x^2 + 1.67724e+009x - 47268.3
Goodness of fit (r^2): 0.998269

Peak: DELTABHC -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1587598	8492397	17559810	37259274	75860396
RF	1587598000	1698479400	1755981000	1862963700	1896509900
Last Area					
Residual	2.84257e-005	-7.54511e-006	-0.00015257	-0.000795114	7.80239e-005
Rep StDev					
Rep %RSD					
Rep 1 Area	1587598	8492397	17559810	37259274	75860396
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	93566306	147896281

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:43
User: JJY
Instrument: Semi 6

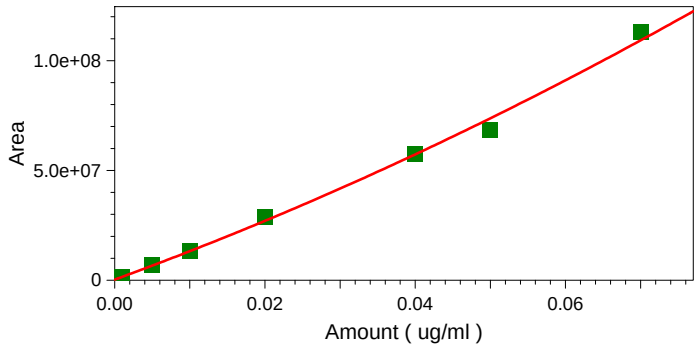
RF	1871326120	2112804014.28571
Last Area Residual	0.00192367	-0.00122402
Rep StDev		
Rep %RSD		
Rep 1 Area	93566306	147896281
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:44
User: JJY
Instrument: Semi 6

HEPTACHLOR (Back Signal)
Average RF: 1.43069e+009 RF StDev: 8.95598e+007 RF %RSD: 6.25991
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 4.36671e+009x^2 + 1.25117e+009x + 275661.
Goodness of fit (r^2): 0.994988

Peak: HEPTACHLOR -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1404546	7078766	13435745	28694066	57284498
RF	1404546000	1415753200	1343574500	1434703300	1432112450
Last Area					
Residual	0.00010056	-0.000337947	-0.000158087	-0.00115197	1.54445e-005
Rep StDev					
Rep %RSD					
Rep 1 Area	1404546	7078766	13435745	28694066	57284498
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	68270712	113309596

Calibration Report

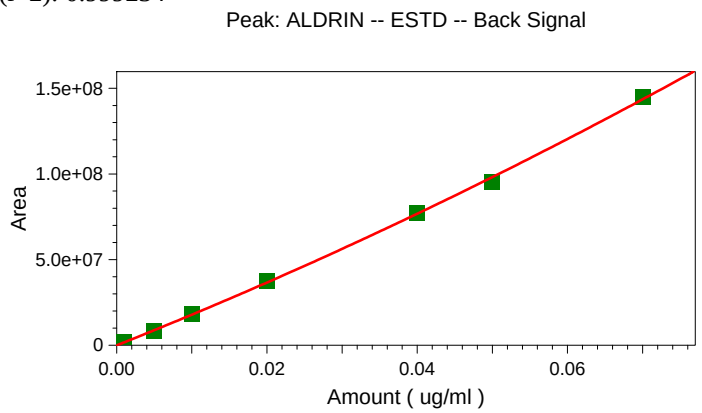
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:44
User: JJY
Instrument: Semi 6

RF	1365414240	1618708514.28571
Last Area Residual	0.00327464	-0.00216623
Rep StDev		
Rep %RSD		
Rep 1 Area	68270712	113309596
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:45
User: JJY
Instrument: Semi 6

ALDRIN (Back Signal)
Average RF: 1.85725e+009 RF StDev: 1.34911e+008 RF %RSD: 7.26401
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 4.37444e+009x^2 + 1.74567e+009x - 59473.6
Goodness of fit (r^2): 0.999234



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1717066	8399629	18076239	37768912	77102936
RF	1717066000	1679925800	1807623900	1888445600	1927573400
Last Area Residual	-1.51026e-005	0.000211686	-0.000131748	-0.000605863	-0.000160565
Rep StDev					
Rep %RSD					
Rep 1 Area	1717066	8399629	18076239	37768912	77102936
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	95252347	145254722

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:45
User: JJY
Instrument: Semi 6

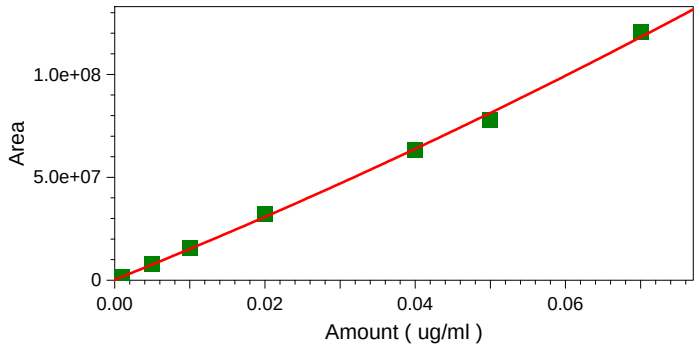
RF	1905046940	2075067457.14286
Last Area Residual	0.00133546	-0.000712644
Rep StDev		
Rep %RSD		
Rep 1 Area	95252347	145254722
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:47
User: JJY
Instrument: Semi 6

HEPTAEPOX (Back Signal)
Average RF: 1.59935e+009 RF StDev: 6.10104e+007 RF %RSD: 3.81469
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 3.14574e+009x^2 + 1.46359e+009x + 235055.
Goodness of fit (r^2): 0.998017

Peak: HEPTAEPOX -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1616275	7801696	15562914	32044008	63194462
RF	1616275000	1560339200	1556291400	1602200400	1579861550
Last Area					
Residual	5.81856e-005	-0.000113714	-0.000247096	-0.000803329	0.000360171
Rep StDev					
Rep %RSD					
Rep 1 Area	1616275	7801696	15562914	32044008	63194462
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	77691974	120867393

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:47
User: JJY
Instrument: Semi 6

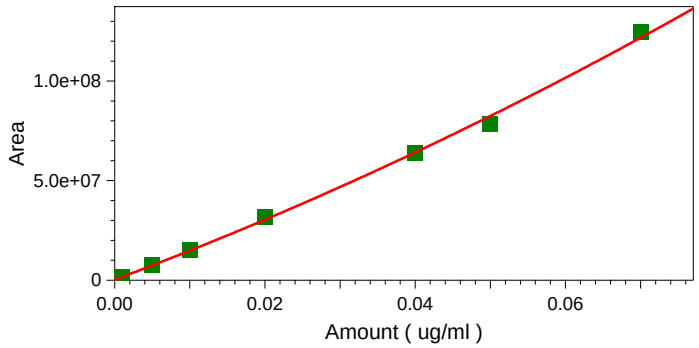
RF	1553839480	1726677042.85714
Last Area Residual	0.00202446	-0.00144975
Rep StDev		
Rep %RSD		
Rep 1 Area	77691974	120867393
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:48
User: JJY
Instrument: Semi 6

GAMMACHLOR (Back Signal)
Average RF: 1.59458e+009 RF StDev: 8.95710e+007 RF %RSD: 5.61720
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 4.58589e+009x^2 + 1.41479e+009x + 252722.
Goodness of fit (r^2): 0.997567

Peak: GAMMACHLOR -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1585734	7620567	15156386	31889012	63636646
RF	1585734000	1524113400	1515638600	1594450600	1590916150
Last Area					
Residual	6.06616e-005	-0.000122673	-0.000197147	-0.000939853	0.000306179
Rep StDev					
Rep %RSD					
Rep 1 Area	1585734	7620567	15156386	31889012	63636646
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	78336144	124915578

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:48
User: JJY
Instrument: Semi 6

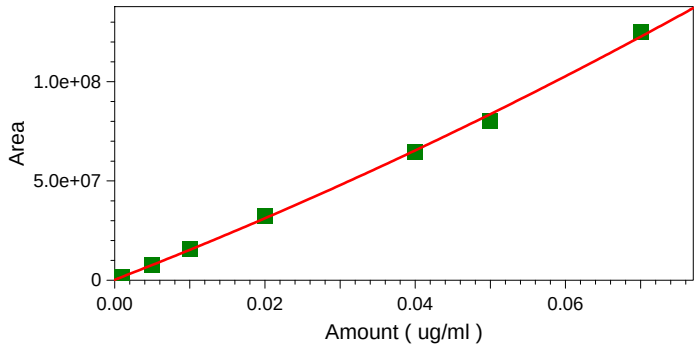
RF	1566722880	1784508257.14286
Last Area Residual	0.00221162	-0.00152955
Rep StDev		
Rep %RSD		
Rep 1 Area	78336144	124915578
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:49
User: JJY
Instrument: Semi 6

ALPHACHLOR (Back Signal)
Average RF: 1.62775e+009 RF StDev: 7.69670e+007 RF %RSD: 4.72843
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 4.01052e+009x^2 + 1.46807e+009x + 234209.
Goodness of fit (r^2): 0.998303

Peak: ALPHACHLOR -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1632695	7794352	15659714	32441143	64822608
RF	1632695000	1558870400	1565971400	1622057150	1620565200
Last Area Residual	4.98631e-005	-7.92464e-005	-0.000221912	-0.000760862	0.000308298
Rep StDev					
Rep %RSD					
Rep 1 Area	1632695	7794352	15659714	32441143	64822608
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	80206269	125298026
RF	1604125380	1789971800

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:49
User: JJY
Instrument: Semi 6

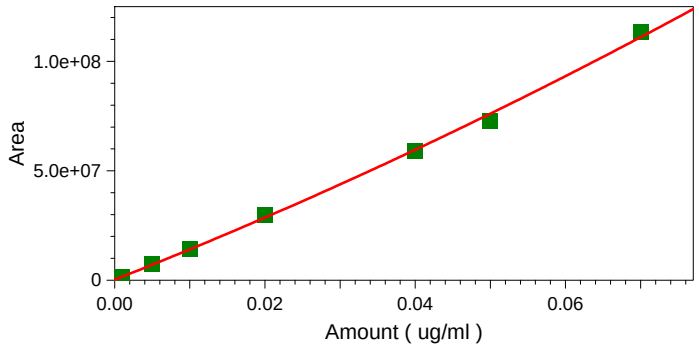
Last Area		
Residual	0.00185727	-0.00130115
Rep StDev		
Rep %RSD		
Rep 1 Area	80206269	125298026
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:52
User: JJY
Instrument: Semi 6

ENDOI (Back Signal)
Average RF: 1.49424e+009 RF StDev: 6.42495e+007 RF %RSD: 4.29981
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 3.28583e+009x^2 + 1.35292e+009x + 243828.
Goodness of fit (r^2): 0.997953

Peak: ENDOI -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1523257	7243505	14385772	29889446	59105176
RF	1523257000	1448701000	1438577200	1494472300	1477629400
Last Area Residual	5.64848e-005	-0.000110315	-0.000200186	-0.000855861	0.000317655
Rep StDev					
Rep %RSD					
Rep 1 Area	1523257	7243505	14385772	29889446	59105176
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	72660277	113668226
RF	1453205540	1623831800

Calibration Report

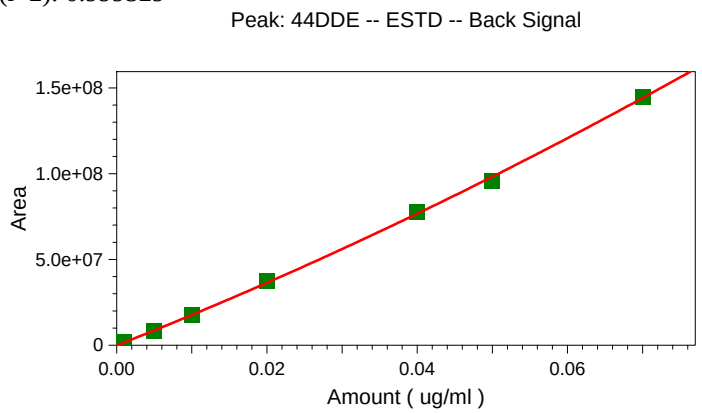
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:52
User: JJY
Instrument: Semi 6

Last Area		
Residual	0.00205662	-0.00144094
Rep StDev		
Rep %RSD		
Rep 1 Area	72660277	113668226
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:53
User: JJY
Instrument: Semi 6

44DDE (Back Signal)
Average RF: 1.83510e+009 RF StDev: 1.63260e+008 RF %RSD: 8.89655
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 4.69018e+009x^2 + 1.73266e+009x - 150801.
Goodness of fit (r^2): 0.999529



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1663477	8025785	17834080	37233367	77662584
RF	1663477000	1605157000	1783408000	1861668350	1941564600
Last Area					
Residual	-4.41523e-005	0.000339706	-0.000103574	-0.000444673	-0.000475117
Rep StDev					
Rep %RSD					
Rep 1 Area	1663477	8025785	17834080	37233367	77662584
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	95948431	144999566

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:53
User: JJY
Instrument: Semi 6

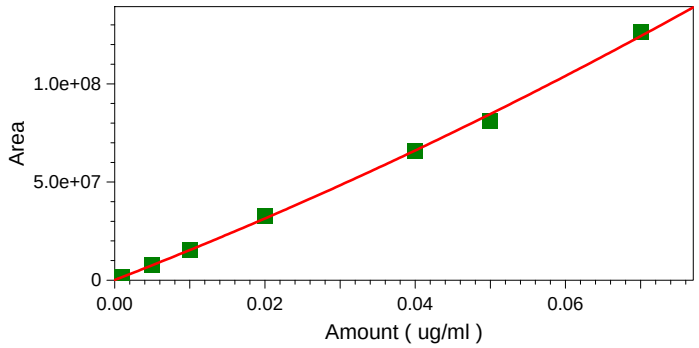
RF	1918968620	2071422371.42857
Last Area Residual	0.00102847	-0.000368892
Rep StDev		
Rep %RSD		
Rep 1 Area	95948431	144999566
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:54
User: JJY
Instrument: Semi 6

DIELDRIN (Back Signal)
Average RF: 1.62458e+009 RF StDev: 9.29155e+007 RF %RSD: 5.71935
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 4.16266e+009x^2 + 1.48224e+009x + 124900.
Goodness of fit (r^2): 0.998485

Peak: DIELDRIN -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1569712	7633260	15590882	32699708	65907434
RF	1569712000	1526652000	1559088200	1634985400	1647685850
Last Area					
Residual	2.79075e-005	4.54568e-006	-0.000145122	-0.000765685	9.22815e-005
Rep StDev					
Rep %RSD					
Rep 1 Area	1569712	7633260	15590882	32699708	65907434
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	81212126	126678715

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:54
User: JJY
Instrument: Semi 6

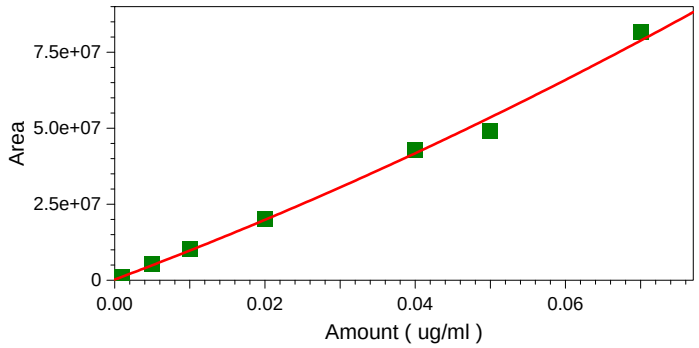
RF	1624242520	1809695928.57143
Last Area Residual	0.00181475	-0.00115937
Rep StDev		
Rep %RSD		
Rep 1 Area	81212126	126678715
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:56
User: JJY
Instrument: Semi 6

ENDRIN (Back Signal)
Average RF: 1.05056e+009 RF StDev: 5.96636e+007 RF %RSD: 5.67923
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 2.80358e+009x^2 + 9.26410e+008x + 219282.
Goodness of fit (r^2): 0.993799

Peak: ENDRIN -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1042451	5247764	10299005	20273242	42815444
RF	1042451000	1049552800	1029900500	1013662100	1070386100
Last Area					
Residual	0.000113818	-0.000341578	-0.000543969	-0.000388918	-0.000913975
Rep StDev					
Rep %RSD					
Rep 1 Area	1042451	5247764	10299005	20273242	42815444
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	48953809	81821844

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:56
User: JJY
Instrument: Semi 6

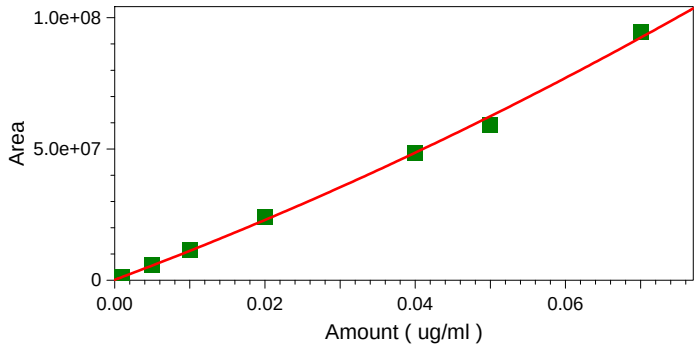
RF	979076180	1168883485.71429
Last Area Residual	0.0038419	-0.00227599
Rep StDev		
Rep %RSD		
Rep 1 Area	48953809	81821844
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:57
User: JJY
Instrument: Semi 6

44DDD (Back Signal)
Average RF: 1.20192e+009 RF StDev: 7.17541e+007 RF %RSD: 5.96996
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 3.57482e+009x^2 + 1.06740e+009x + 168611.
Goodness of fit (r^2): 0.997567

Peak: 44DDD -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1179223	5700970	11457861	24008338	48324629
RF	1179223000	1140194000	1145786100	1200416900	1208115725
Last Area Residual	5.61884e-005	-9.60322e-005	-0.000226139	-0.000874914	0.000192084
Rep StDev					
Rep %RSD					
Rep 1 Area	1179223	5700970	11457861	24008338	48324629
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	59287553	94776595

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:57
User: JJY
Instrument: Semi 6

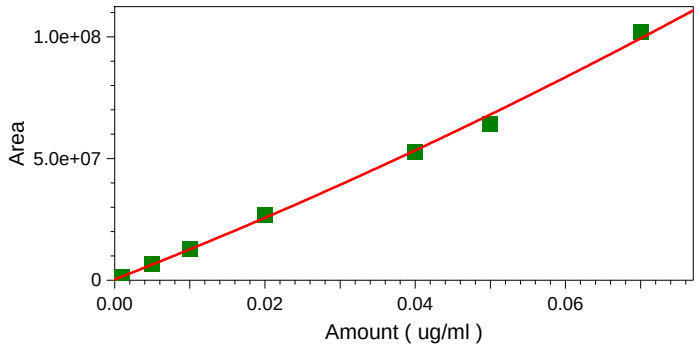
RF	1185751060	1353951357.14286
Last Area Residual	0.00225027	-0.0015084
Rep StDev		
Rep %RSD		
Rep 1 Area	59287553	94776595
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:58
User: JJY
Instrument: Semi 6

ENDOII (Back Signal)
Average RF: 1.35467e+009 RF StDev: 6.53107e+007 RF %RSD: 4.82117
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 2.97762e+009x^2 + 1.20676e+009x + 320929.
Goodness of fit (r^2): 0.997073

Peak: ENDOII -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1428738	6699907	12992381	26889123	52864681
RF	1428738000	1339981400	1299238100	1344456150	1321617025
Last Area					
Residual	8.40702e-005	-0.000218818	-0.000241551	-0.000934688	0.000340027
Rep StDev					
Rep %RSD					
Rep 1 Area	1428738	6699907	12992381	26889123	52864681
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	64407273	102233694

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:03:58
User: JJY
Instrument: Semi 6

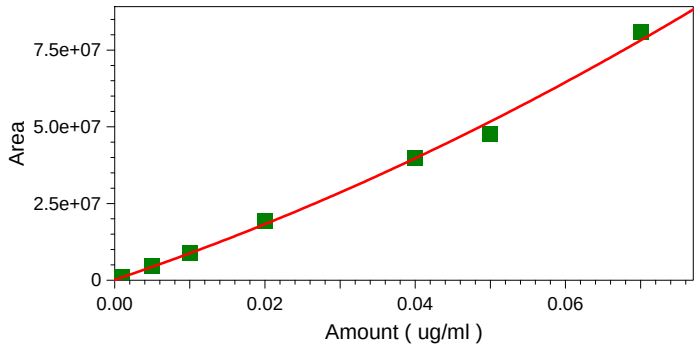
RF	1288145460	1460481342.85714
Last Area Residual	0.00246857	-0.00174908
Rep StDev		
Rep %RSD		
Rep 1 Area	64407273	102233694
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:04:00
User: JJY
Instrument: Semi 6

44DDT (Back Signal)
Average RF: 9.70344e+008 RF StDev: 9.09049e+007 RF %RSD: 9.36832
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 4.16245e+009x^2 + 8.23162e+008x + 144588.
Goodness of fit (r^2): 0.994968

Peak: 44DDT -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	893442	4633350	8967093	19287262	39940334
RF	893442000	926670000	896709300	964363100	998508350
Last Area					
Residual	9.44193e-005	-0.000310466	-0.000192496	-0.00102066	-0.000180938
Rep StDev					
Rep %RSD					
Rep 1 Area	893442	4633350	8967093	19287262	39940334
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	47729554	81068747

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:04:00
User: JJY
Instrument: Semi 6

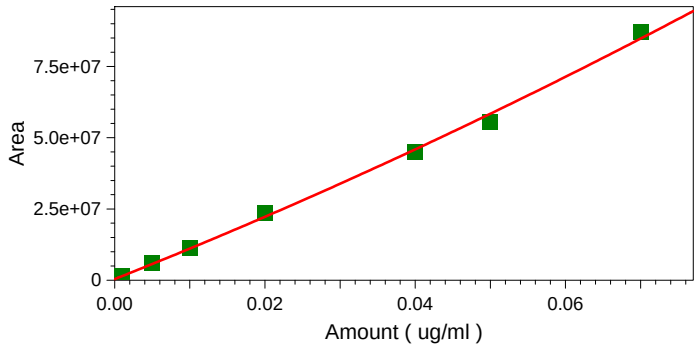
RF	954591080	1158124957.14286
Last Area Residual	0.00324602	-0.00205505
Rep StDev		
Rep %RSD		
Rep 1 Area	47729554	81068747
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:04:01
User: JJY
Instrument: Semi 6

ENDRINALDEH (Back Signal)
Average RF: 1.19096e+009 RF StDev: 8.43189e+007 RF %RSD: 7.07990
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 2.25947e+009x^2 + 1.04707e+009x + 405638.
Goodness of fit (r^2): 0.996990

Peak: ENDRINALDEH -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1350844	5958542	11387369	23464150	45117590
RF	1350844000	1191708400	1138736900	1173207500	1127939750
Last Area					
Residual	9.90337e-005	-0.000243957	-0.000260897	-0.00106452	0.000640793
Rep StDev					
Rep %RSD					
Rep 1 Area	1350844	5958542	11387369	23464150	45117590
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	55375463	87275099

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:04:01
User: JJY
Instrument: Semi 6

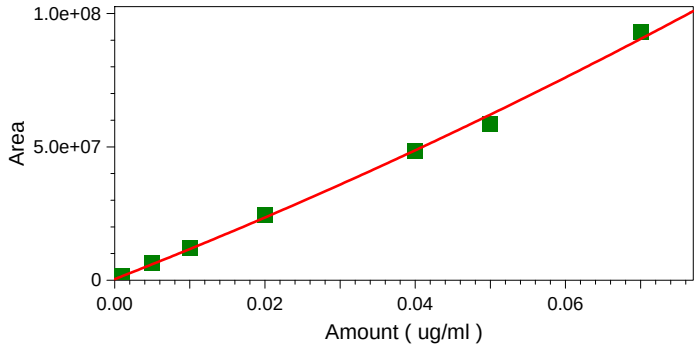
RF	1107509260	1246787128.57143
Last Area Residual	0.00239204	-0.00183061
Rep StDev		
Rep %RSD		
Rep 1 Area	55375463	87275099
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:04:03
User: JJY
Instrument: Semi 6

ENDOSULFATE (Back Signal)
Average RF: 1.25757e+009 RF StDev: 7.98747e+007 RF %RSD: 6.35151
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 2.63292e+009x^2 + 1.10229e+009x + 409601.
Goodness of fit (r^2): 0.996620

Peak: ENDOSULFATE -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1395965	6304423	12103238	24509284	48353288
RF	1395965000	1260884600	1210323800	1225464200	1208832200
Last Area					
Residual	0.000107071	-0.000281185	-0.000352517	-0.00082722	0.00027473
Rep StDev					
Rep %RSD					
Rep 1 Area	1395965	6304423	12103238	24509284	48353288
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	58447760	93279779

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:04:03
User: JJY
Instrument: Semi 6

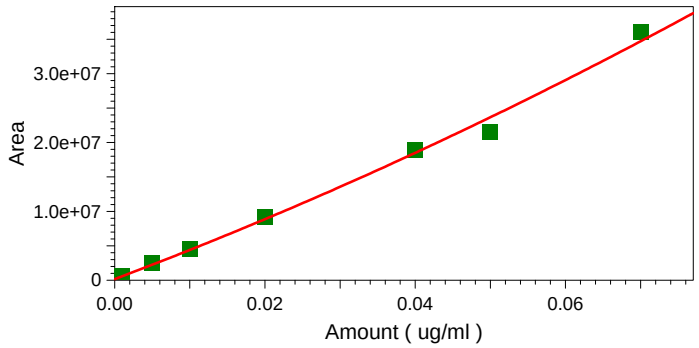
RF	1168955200	1332568271.42857
Last Area Residual	0.00269309	-0.00190305
Rep StDev		
Rep %RSD		
Rep 1 Area	58447760	93279779
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:04:04
User: JJY
Instrument: Semi 6

METHOXYCL (Back Signal)
Average RF: 4.77967e+008 RF StDev: 3.25841e+007 RF %RSD: 6.81724
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 1.17109e+009x^2 + 4.11495e+008x + 166381.
Goodness of fit (r^2): 0.993195

Peak: METHOXYCL -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	517409	2471365	4582876	9117391	18898594
RF	517409000	494273000	458287600	455869550	472464850
Last Area					
Residual	0.000149006	-0.000514928	-0.000423586	-0.000550502	-0.000787708
Rep StDev					
Rep %RSD					
Rep 1 Area	517409	2471365	4582876	9117391	18898594
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	21563168	36133955

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:04:04
User: JJY
Instrument: Semi 6

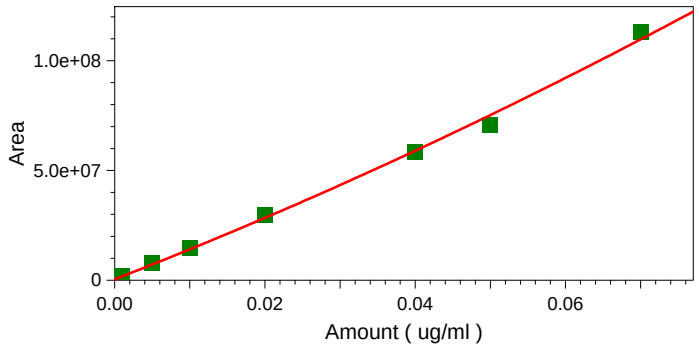
RF	431263360	516199357.142857
Last Area Residual	0.00401929	-0.00246324
Rep StDev		
Rep %RSD		
Rep 1 Area	21563168	36133955
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:04:05
User: JJY
Instrument: Semi 6

ENDRINKETONE (Back Signal)
Average RF: 1.50978e+009 RF StDev: 8.09725e+007 RF %RSD: 5.36320
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = 3.25106e+009x^2 + 1.33358e+009x + 423203.
Goodness of fit (r^2): 0.996198

Peak: ENDRINKETONE -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.001	0.005	0.01	0.02	0.04
Area	1611355	7653259	14444477	29799692	58494783
RF	1611355000	1530651800	1444447700	1489984600	1462369575
Last Area					
Residual	0.000110974	-0.000351735	-0.000257543	-0.00095761	0.000297068
Rep StDev					
Rep %RSD					
Rep 1 Area	1611355	7653259	14444477	29799692	58494783
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	0.05	0.07
Area	70541886	113317078
RF	1410837720	1618815400

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:04:05
User: JJY
Instrument: Semi 6

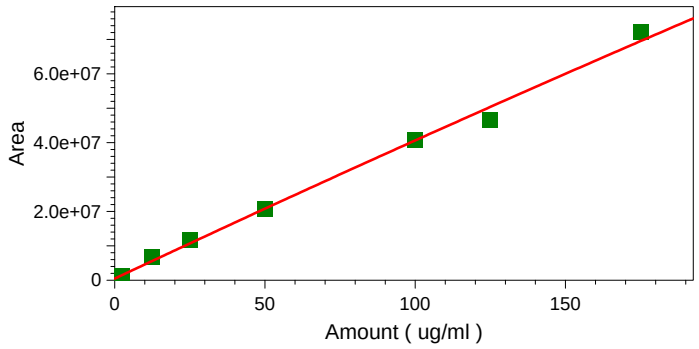
Last Area		
Residual	0.00284202	-0.00201273
Rep StDev		
Rep %RSD		
Rep 1 Area	70541886	113317078
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:04:06
User: JJY
Instrument: Semi 6

SURRDCBPEST (Back Signal)
Average RF: 443893. RF StDev: 58261.6 RF %RSD: 13.1251
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Quadratic
y = -94.2658x^2 + 411025.x + 473706.
Goodness of fit (r^2): 0.994052

Peak: SURRDCBPEST -- ESTD -- Back Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	2.5	12.5	25	50	100
Area	1259226	6677325	11580805	20656357	40646376
RF	503690.4	534186	463232.2	413127.14	406463.76
Last Area					
Residual	0.588036	-2.64566	-2.19252	0.330964	-0.0327597
Rep StDev					
Rep %RSD					
Rep 1 Area	1259226	6677325	11580805	20656357	40646376
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\004.dat	C:\Instarch\Semi6\Data\082213pstic\005.dat	C:\Instarch\Semi6\Data\082213pstic\006.dat	C:\Instarch\Semi6\Data\082213pstic\007.dat	C:\Instarch\Semi6\Data\082213pstic\008.dat
Rep 1 Sample ID	Pest ICAL 1 PP3845	Pest ICAL 2 PP3846	Pest ICAL 3 PP3847	Pest ICAL 4 PP3848	Pest ICAL 5 PP3849
Rep 1 Calib. Time	Aug 22,2013 18:24:34	Aug 22,2013 18:24:42	Aug 22,2013 18:24:50	Aug 22,2013 18:24:58	Aug 22,2013 18:25:05

	Level 6	Level 7
Amount	125	175
Area	46671459	72306888

Calibration Report

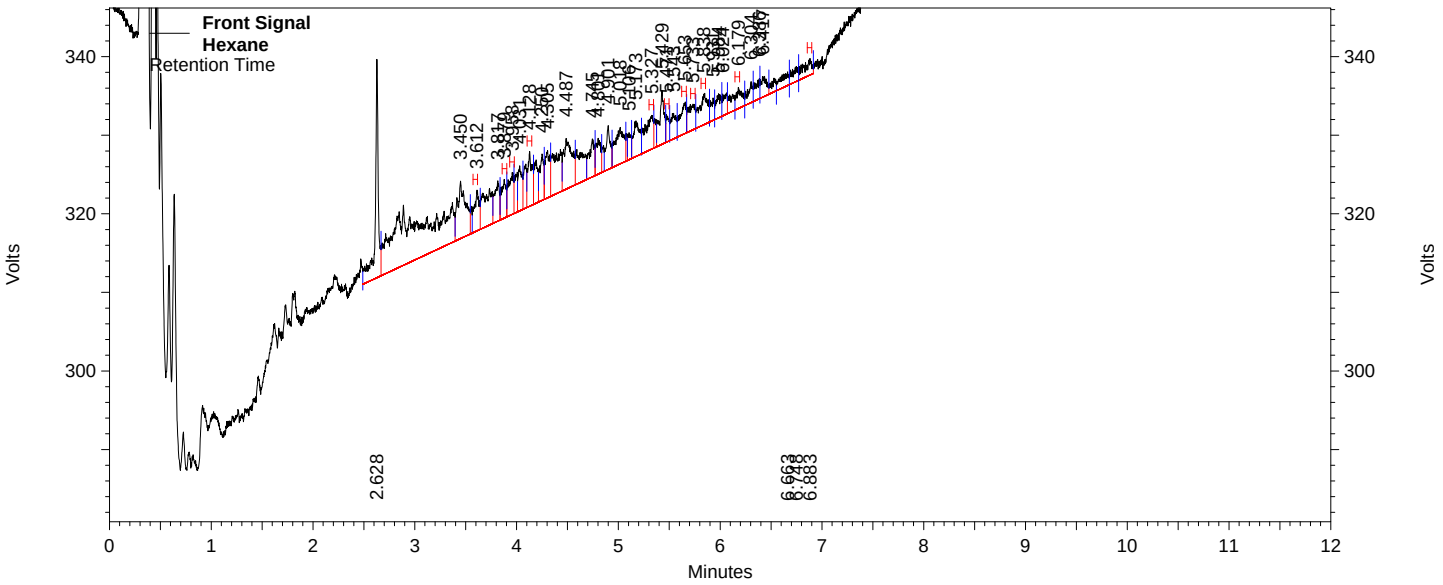
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
Print Time: Aug 28,2013 16:04:06
User: JJY
Instrument: Semi 6

RF	373371.672	413182.217142857
Last Area Residual	9.54646	-7.39591
Rep StDev		
Rep %RSD		
Rep 1 Area	46671459	72306888
Rep 1 User	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\009.dat	C:\Instarch\Semi6\Data\082213pstic\010.dat
Rep 1 Sample ID	Pest ICAL 6 PP3850	Pest ICAL 7 PP3851
Rep 1 Calib. Time	Aug 22,2013 18:25:13	Aug 22,2013 18:25:22

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\003.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Hexane
Acquired: Aug 22,2013 16:16:04
Printed: Aug 28,2013 16:00:59

Data Summary: {Data Description}



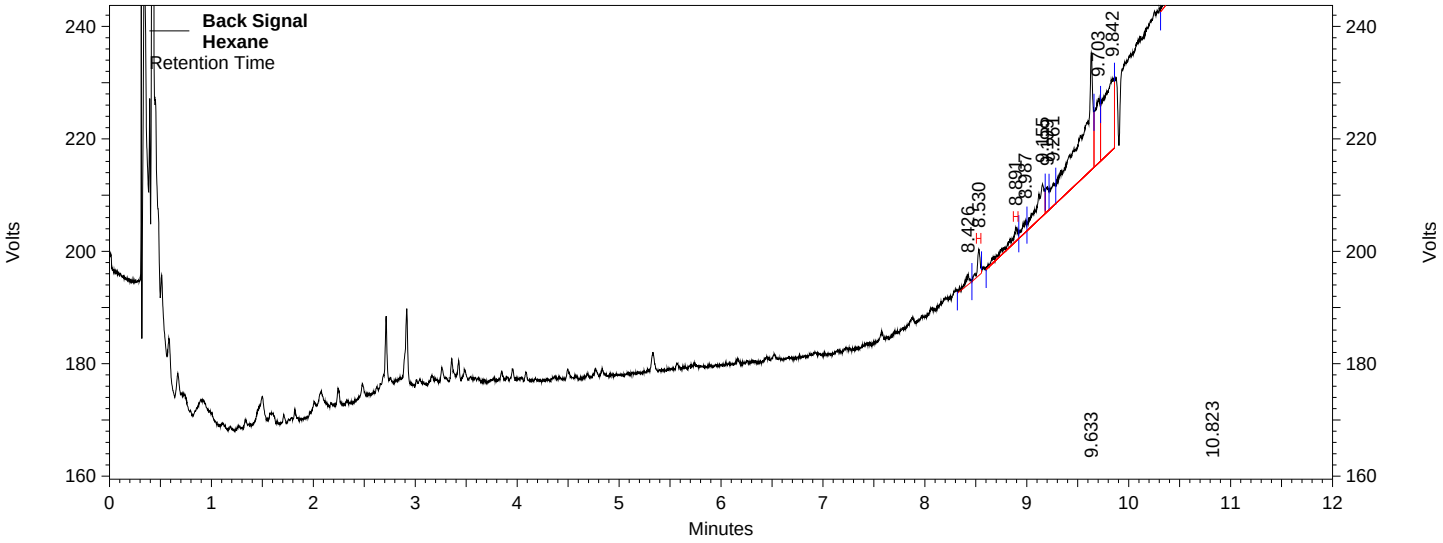
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST			0.0000 BDL
ALPHABHC	3.612	129757	0.0002
LINDANE	3.879	122220	0.0001
BETABHC	3.958	140035	0.0000
DELTABHC	4.128	158911	0.0002
HEPTACHLOR			0.0000 BDL
ALDRIN			0.0000 BDL
HEPTAEPOX	5.327	182076	0.0000
GAMMACHLOR	5.471	52234	0.0000
ALPHACHLOR	5.653	125182	0.0000
44DDE	5.733	115361	0.0002
ENDOI	5.838	167048	0.0001
DIELDRIN	6.179	77744	0.0001
ENDRIN			0.0000 BDL
44DDD			0.0000 BDL
ENDOII	6.883	89004	0.0000
44DDT			0.0000 BDL
ENDRINALDEH	7.558	87548	0.0000
METHOXYCL			0.0000 BDL
ENDOSULFATE			0.0000 BDL
ENDRINKETONE			0.0000 BDL
SURRDCBPEST			0.0000 BDL

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\003.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Hexane
Acquired: Aug 22,2013 16:16:04
Printed: Aug 28,2013 16:00:59

Data Summary: {Data Description}



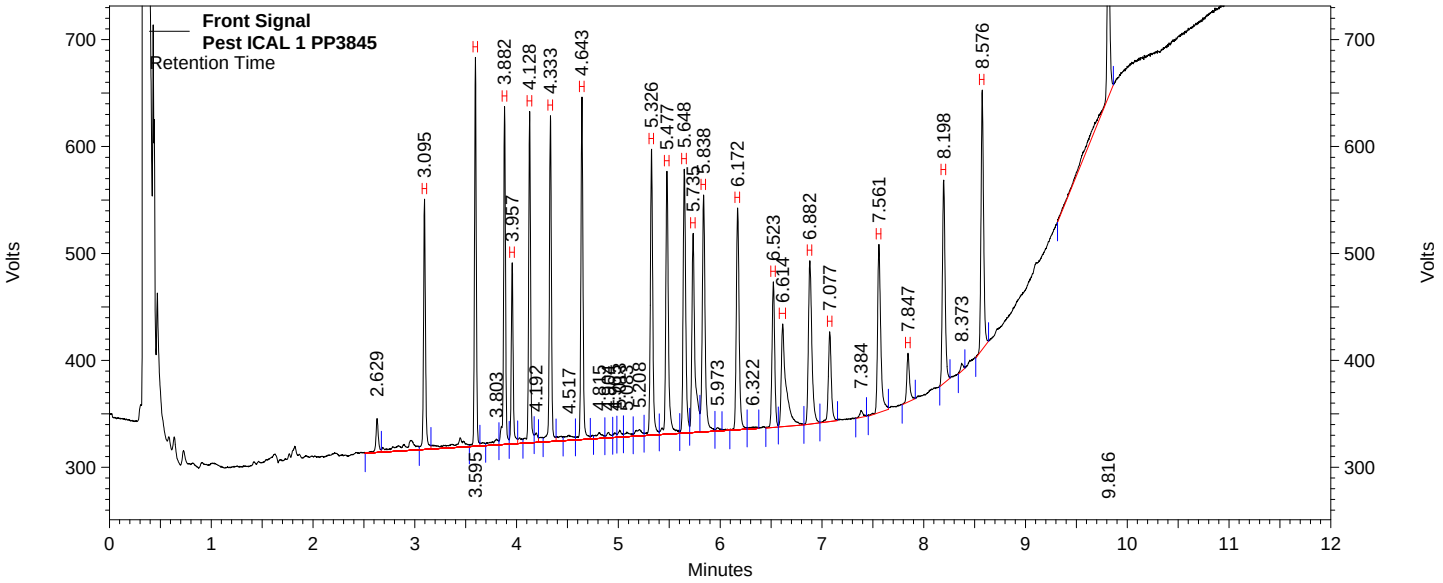
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST			0.0000 BDL
ALPHABHC			0.0000 BDL
LINDANE			0.0000 BDL
BETABHC			0.0000 BDL
DELTABHC			0.0000 BDL
HEPTACHLOR			0.0000 BDL
ALDRIN			0.0000 BDL
HEPTAEPOX			0.0000 BDL
GAMMACHLOR			0.0000 BDL
ALPHACHLOR			0.0000 BDL
ENDOI			0.0000 BDL
44DDE			0.0000 BDL
DIELDRIN			0.0000 BDL
ENDRIN			0.0000 BDL
44DDD			0.0000 BDL
ENDOII			0.0000 BDL
44DDT			0.0000 BDL
ENDRINALDEH	8.530	71800	0.0000
ENDOSULFATE	8.891	119470	0.0000
METHOXYCL			0.0000 BDL
ENDRINKETONE			0.0000 BDL
SURRDCBPEST			0.0000 BDL

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\004.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICAL 1 PP3845
Acquired: Aug 22,2013 16:31:31
Printed: Aug 28,2013 16:01:01

Data Summary: {Data Description}



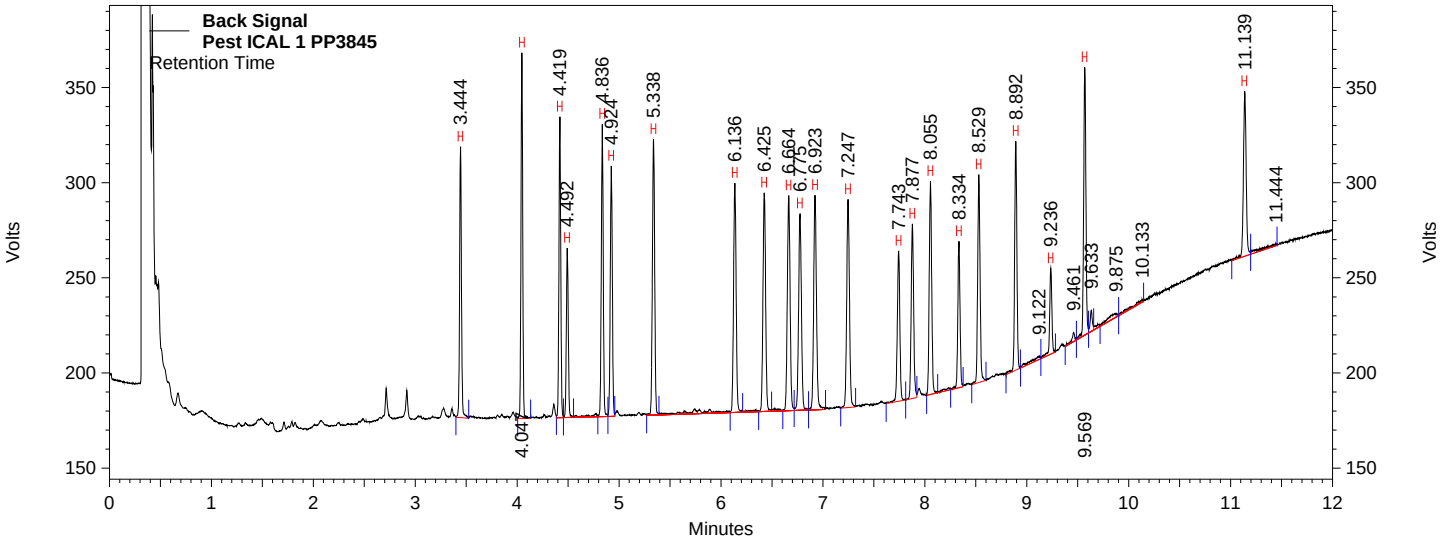
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.095	2423407	2.5000 CAL
ALPHABHC	3.595	3370261	0.0010 CAL
LINDANE	3.882	3208041	0.0010 CAL
BETABHC	3.957	1712573	0.0010 CAL
DELTABHC	4.128	3150930	0.0010 CAL
HEPTACHLOR	4.333	3241170	0.0010 CAL
ALDRIN	4.643	3512100	0.0010 CAL
HEPTAEPOX	5.326	3385224	0.0010 CAL
GAMMACHLOR	5.477	3424874	0.0010 CAL
ALPHACHLOR	5.648	3317442	0.0010 CAL
44DDE	5.735	2987276	0.0010 CAL
ENDOI	5.838	3339240	0.0010 CAL
DIELDRIN	6.172	3087688	0.0010 CAL
ENDRIN	6.523	1926162	0.0010 CAL
44DDD	6.614	2374576	0.0010 CAL
ENDOII	6.882	2763059	0.0010 CAL
44DDT	7.077	1305988	0.0010 CAL
ENDRINALDEH	7.561	2617774	0.0010 CAL
METHOXYCL	7.847	664129	0.0010 CAL
ENDOSULFATE	8.198	2700782	0.0010 CAL
ENDRINKETONE	8.576	3251085	0.0010 CAL
SURRDCBPEST	9.816	3117206	2.5000 CAL

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\004.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICAL 1 PP3845
Acquired: Aug 22,2013 16:31:31
Printed: Aug 28,2013 16:01:01

Data Summary: {Data Description}



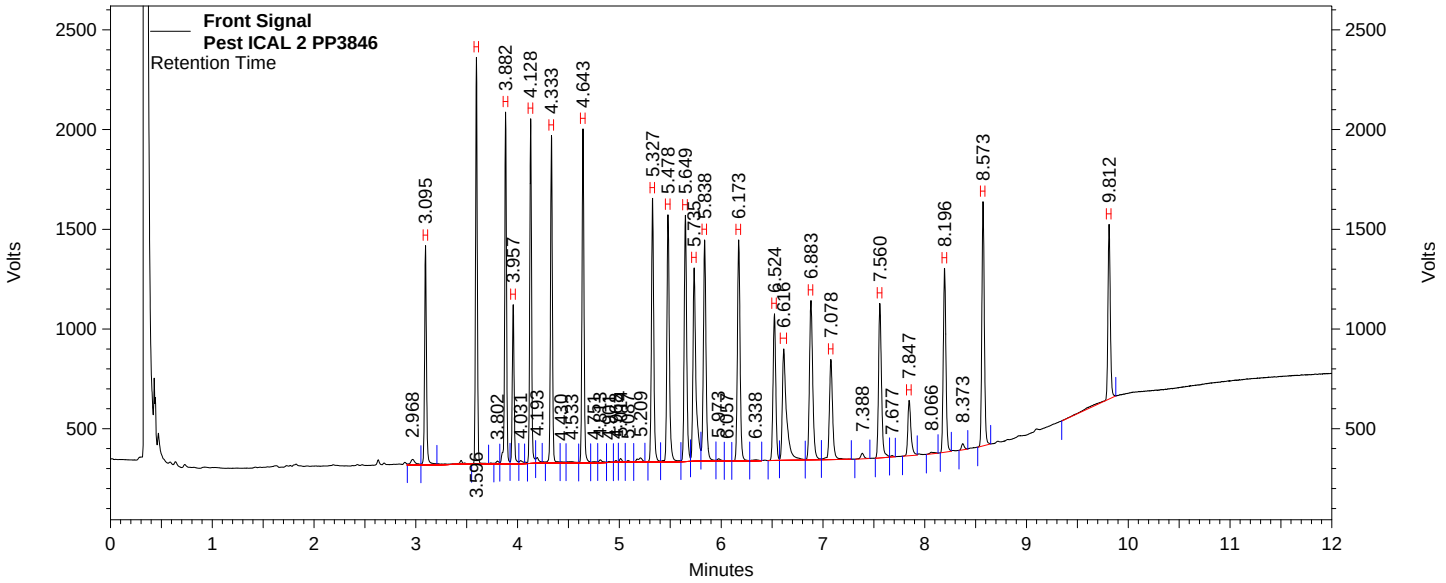
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.444	1365784	2.5000 CAL
ALPHABHC	4.047	1755904	0.0010 CAL
LINDANE	4.419	1527556	0.0010 CAL
BETABHC	4.492	885757	0.0010 CAL
DELTABHC	4.836	1587598	0.0010 CAL
HEPTACHLOR	4.924	1404546	0.0010 CAL
ALDRIN	5.338	1717066	0.0010 CAL
HEPTAEPOX	6.136	1616275	0.0010 CAL
GAMMACHLOR	6.425	1585734	0.0010 CAL
ALPHACHLOR	6.664	1632695	0.0010 CAL
ENDOI	6.775	1523257	0.0010 CAL
44DDE	6.923	1663477	0.0010 CAL
DIELDRIN	7.247	1569712	0.0010 CAL
ENDRIN	7.743	1042451	0.0010 CAL
44DDD	7.877	1179223	0.0010 CAL
ENDOII	8.055	1428738	0.0010 CAL
44DDT	8.334	893442	0.0010 CAL
ENDRINALDEH	8.529	1350844	0.0010 CAL
ENDOSULFATE	8.892	1395965	0.0010 CAL
METHOXYCL	9.236	517409	0.0010 CAL
ENDRINKETONE	9.569	1611355	0.0010 CAL
SURRDCBPEST	11.139	1259226	2.5000 CAL

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\005.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICAL 2 PP3846
Acquired: Aug 22,2013 16:47:04
Printed: Aug 28,2013 16:01:03

Data Summary: {Data Description}



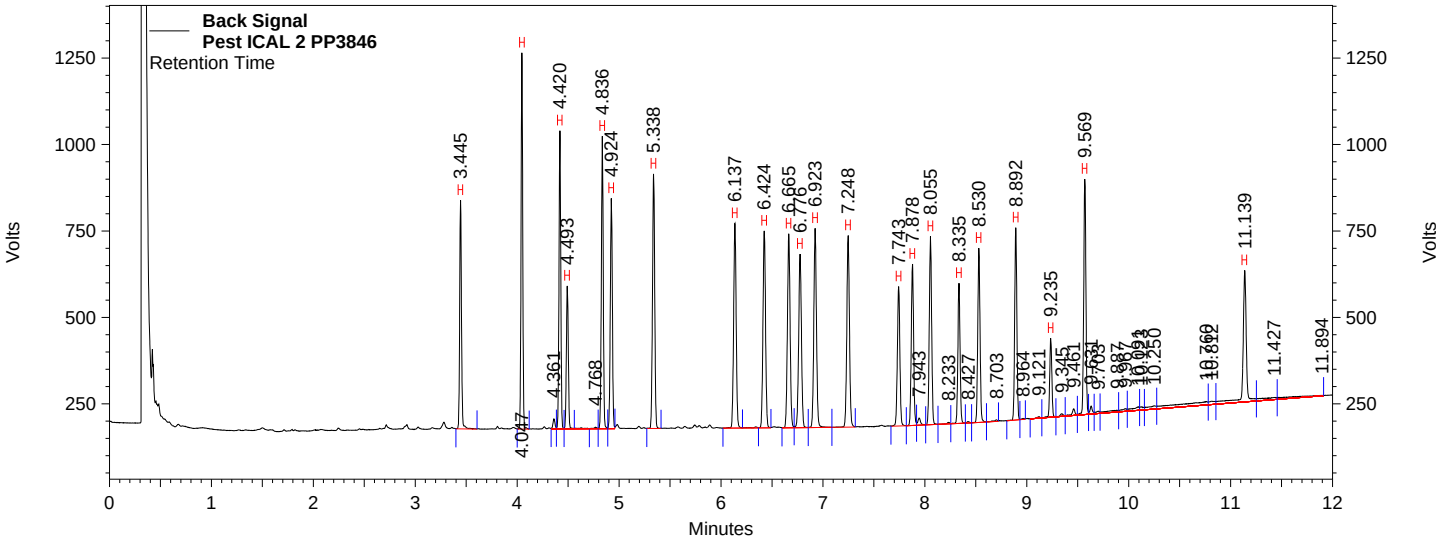
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.095	10896800	12.5000 CAL
ALPHABHC	3.596	18466872	0.0050 CAL
LINDANE	3.882	16676367	0.0050 CAL
BETABHC	3.957	7770058	0.0050 CAL
DELTABHC	4.128	16379966	0.0050 CAL
HEPTACHLOR	4.333	16184596	0.0050 CAL
ALDRIN	4.643	17451230	0.0050 CAL
HEPTAEPOX	5.327	16005371	0.0050 CAL
GAMMACHLOR	5.478	16024409	0.0050 CAL
ALPHACHLOR	5.649	15864061	0.0050 CAL
44DDE	5.735	15257684	0.0050 CAL
ENDOI	5.838	15630302	0.0050 CAL
DIELDRIN	6.173	15436959	0.0050 CAL
ENDRIN	6.524	10489443	0.0050 CAL
44DDD	6.616	12212972	0.0050 CAL
ENDOII	6.883	13696228	0.0050 CAL
44DDT	7.078	8527930	0.0050 CAL
ENDRINALDEH	7.560	12023190	0.0050 CAL
METHOXYCL	7.847	4516138	0.0050 CAL
ENDOSULFATE	8.196	12838783	0.0050 CAL
ENDRINKETONE	8.573	15928331	0.0050 CAL
SURRDCBPEST	9.812	11474950	12.5000 CAL

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\005.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICAL 2 PP3846
Acquired: Aug 22,2013 16:47:04
Printed: Aug 28,2013 16:01:03

Data Summary: {Data Description}



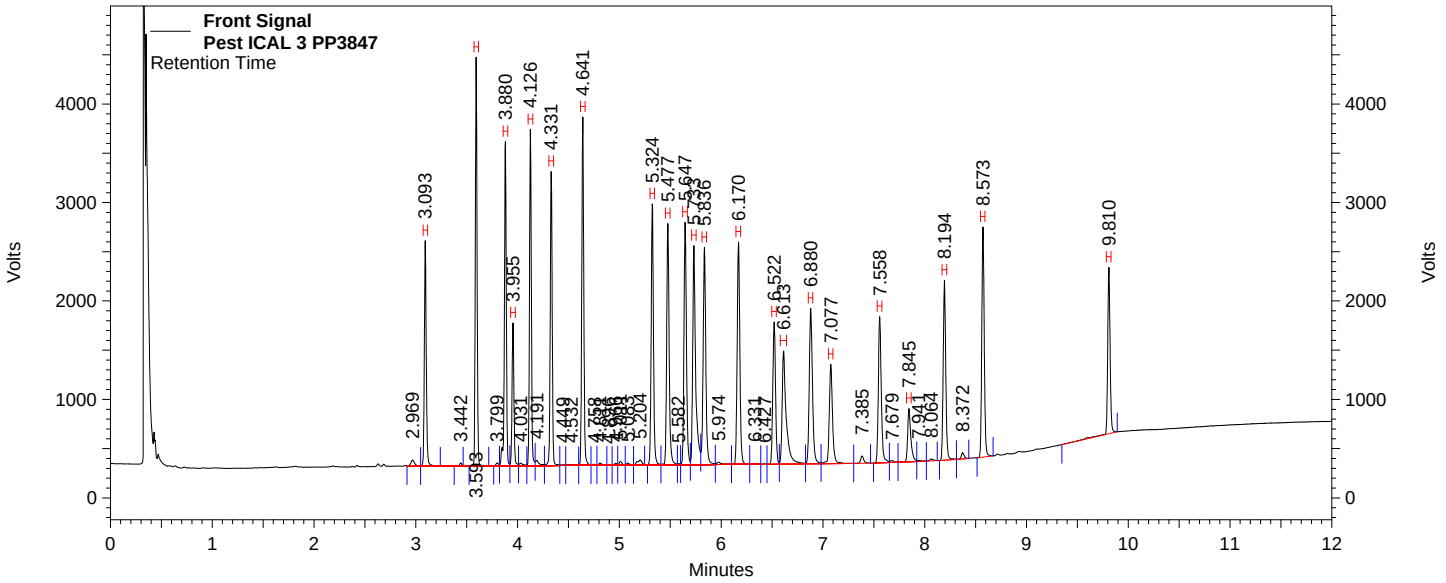
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.445	6191441	12.5000 CAL
ALPHABHC	4.047	9505161	0.0050 CAL
LINDANE	4.420	8215568	0.0050 CAL
BETABHC	4.493	4142250	0.0050 CAL
DELTABHC	4.836	8492397	0.0050 CAL
HEPTACHLOR	4.924	7078766	0.0050 CAL
ALDRIN	5.338	8399629	0.0050 CAL
HEPTAEPOX	6.137	7801696	0.0050 CAL
GAMMACHLOR	6.424	7620567	0.0050 CAL
ALPHACHLOR	6.665	7794352	0.0050 CAL
ENDOI	6.776	7243505	0.0050 CAL
44DDE	6.923	8025785	0.0050 CAL
DIELDRIN	7.248	7633260	0.0050 CAL
ENDRIN	7.743	5247764	0.0050 CAL
44DDD	7.878	5700970	0.0050 CAL
ENDOII	8.055	6699907	0.0050 CAL
44DDT	8.335	4633350	0.0050 CAL
ENDRINALDEH	8.530	5958542	0.0050 CAL
ENDOSULFATE	8.892	6304423	0.0050 CAL
METHOXYCL	9.235	2471365	0.0050 CAL
ENDRINKETONE	9.569	7653259	0.0050 CAL
SURRDCBPEST	11.139	6677325	12.5000 CAL

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\006.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICAL 3 PP3847
Acquired: Aug 22,2013 17:02:30
Printed: Aug 28,2013 16:01:05

Data Summary: {Data Description}



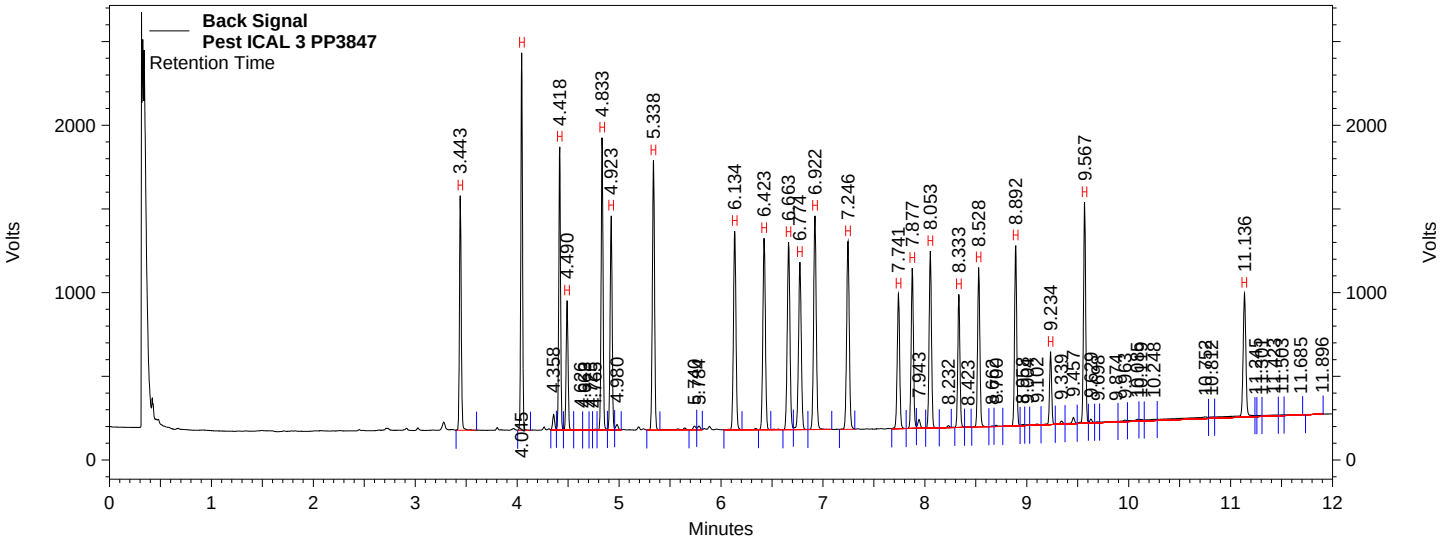
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.093	23194003	25.0000 CAL
ALPHABHC	3.593	38108499	0.0100 CAL
LINDANE	3.880	32988166	0.0100 CAL
BETABHC	3.955	14397409	0.0100 CAL
DELTABHC	4.126	33087700	0.0100 CAL
HEPTACHLOR	4.331	30323936	0.0100 CAL
ALDRIN	4.641	37146397	0.0100 CAL
HEPTAEPOX	5.324	31684026	0.0100 CAL
GAMMACHLOR	5.477	31420847	0.0100 CAL
ALPHACHLOR	5.647	31668161	0.0100 CAL
44DDE	5.733	33838552	0.0100 CAL
ENDOI	5.836	30923550	0.0100 CAL
DIELDRIN	6.170	31555728	0.0100 CAL
ENDRIN	6.522	20703763	0.0100 CAL
44DDD	6.613	24434926	0.0100 CAL
ENDOII	6.880	26561747	0.0100 CAL
44DDT	7.077	17328955	0.0100 CAL
ENDRINALDEH	7.558	22869984	0.0100 CAL
METHOXYCL	7.845	8928219	0.0100 CAL
ENDOSULFATE	8.194	24524706	0.0100 CAL
ENDRINKETONE	8.573	30353250	0.0100 CAL
SURRDCBPEST	9.810	21562290	25.0000 CAL

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\006.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICAL 3 PP3847
Acquired: Aug 22,2013 17:02:30
Printed: Aug 28,2013 16:01:05

Data Summary: {Data Description}



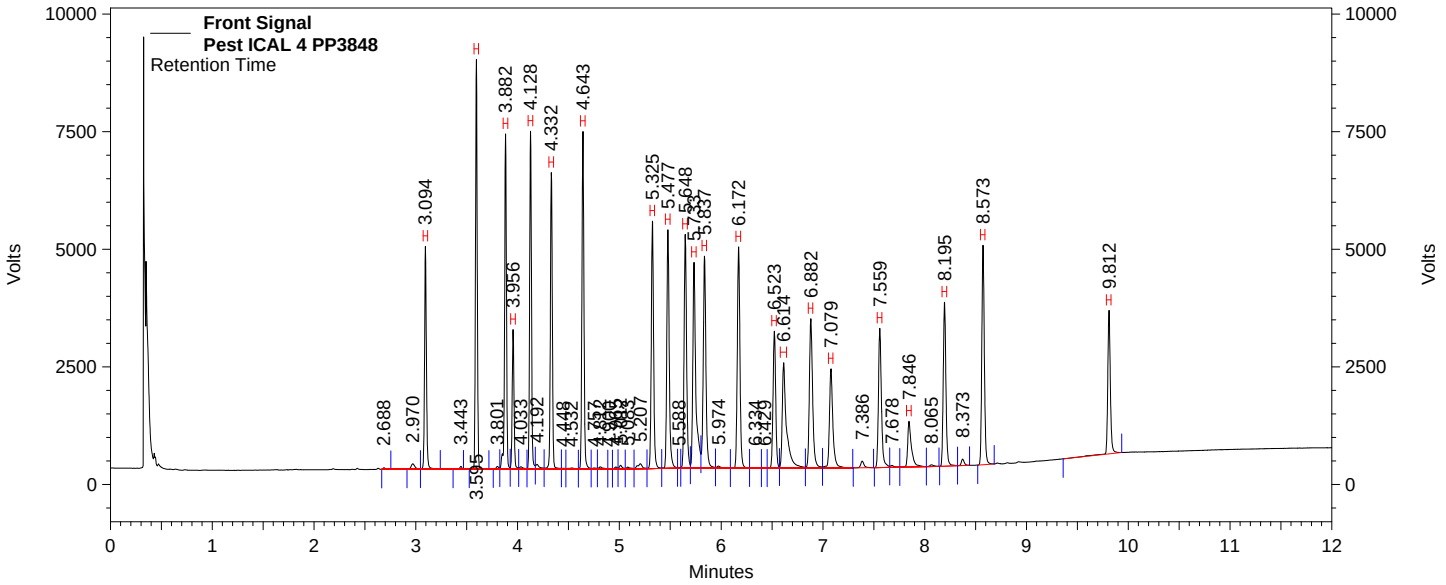
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.443	13137321	25.0000 CAL
ALPHABHC	4.045	19927057	0.0100 CAL
LINDANE	4.418	16055447	0.0100 CAL
BETABHC	4.490	7719640	0.0100 CAL
DELTABHC	4.833	17559810	0.0100 CAL
HEPTACHLOR	4.923	13435745	0.0100 CAL
ALDRIN	5.338	18076239	0.0100 CAL
HEPTAEPOX	6.134	15562914	0.0100 CAL
GAMMACHLOR	6.423	15156386	0.0100 CAL
ALPHACHLOR	6.663	15659714	0.0100 CAL
ENDOI	6.774	14385772	0.0100 CAL
44DDE	6.922	17834080	0.0100 CAL
DIELDRIN	7.246	15590882	0.0100 CAL
ENDRIN	7.741	10299005	0.0100 CAL
44DDD	7.877	11457861	0.0100 CAL
ENDOII	8.053	12992381	0.0100 CAL
44DDT	8.333	8967093	0.0100 CAL
ENDRINALDEH	8.528	11387369	0.0100 CAL
ENDOSULFATE	8.892	12103238	0.0100 CAL
METHOXYCL	9.234	4582876	0.0100 CAL
ENDRINKETONE	9.567	14444477	0.0100 CAL
SURRDCBPEST	11.136	11580805	25.0000 CAL

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\007.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICAL 4 PP3848
Acquired: Aug 22,2013 17:17:56
Printed: Aug 28,2013 16:01:07

Data Summary: {Data Description}



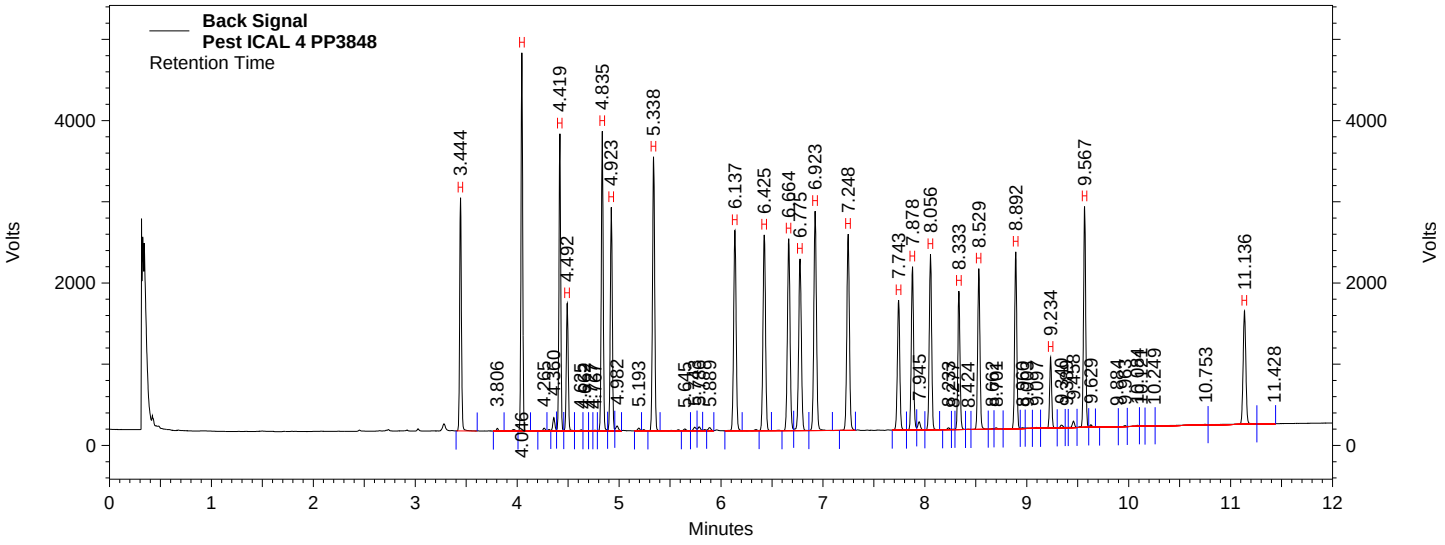
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.094	46268932	50.0000 CAL
ALPHABHC	3.595	78989527	0.0200 CAL
LINDANE	3.882	68940064	0.0200 CAL
BETABHC	3.956	28662347	0.0200 CAL
DELTABHC	4.128	69272936	0.0200 CAL
HEPTACHLOR	4.332	63948286	0.0200 CAL
ALDRIN	4.643	75851740	0.0200 CAL
HEPTAEPOX	5.325	64026576	0.0200 CAL
GAMMACHLOR	5.477	64629313	0.0200 CAL
ALPHACHLOR	5.648	64263265	0.0200 CAL
44DDE	5.733	68327408	0.0200 CAL
ENDOI	5.837	64121458	0.0200 CAL
DIELDRIN	6.172	65127961	0.0200 CAL
ENDRIN	6.523	40669330	0.0200 CAL
44DDD	6.614	50050118	0.0200 CAL
ENDOII	6.882	54314515	0.0200 CAL
44DDT	7.079	38000279	0.0200 CAL
ENDRINALDEH	7.559	46635292	0.0200 CAL
METHOXYCL	7.846	19049817	0.0200 CAL
ENDOSULFATE	8.195	49165714	0.0200 CAL
ENDRINKETONE	8.573	62355479	0.0200 CAL
SURRDCBPEST	9.812	41779191	50.0000 CAL

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\007.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICAL 4 PP3848
Acquired: Aug 22,2013 17:17:56
Printed: Aug 28,2013 16:01:07

Data Summary: {Data Description}



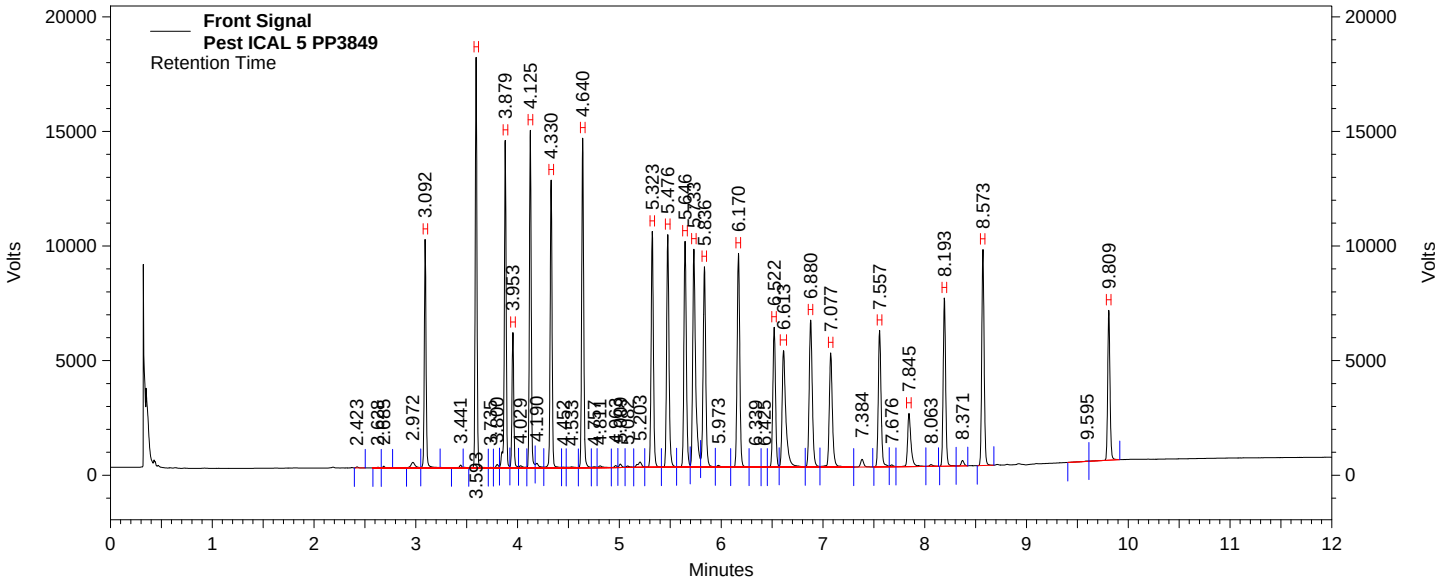
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.444	26327455	50.0000 CAL
ALPHABHC	4.046	41697054	0.0200 CAL
LINDANE	4.419	34330780	0.0200 CAL
BETABHC	4.492	15496966	0.0200 CAL
DELTABHC	4.835	37259274	0.0200 CAL
HEPTACHLOR	4.923	28694066	0.0200 CAL
ALDRIN	5.338	37768912	0.0200 CAL
HEPTAEPOX	6.137	32044008	0.0200 CAL
GAMMACHLOR	6.425	31889012	0.0200 CAL
ALPHACHLOR	6.664	32441143	0.0200 CAL
ENDOI	6.775	29889446	0.0200 CAL
44DDE	6.923	37233367	0.0200 CAL
DIELDRIN	7.248	32699708	0.0200 CAL
ENDRIN	7.743	20273242	0.0200 CAL
44DDD	7.878	24008338	0.0200 CAL
ENDOII	8.056	26889123	0.0200 CAL
44DDT	8.333	19287262	0.0200 CAL
ENDRINALDEH	8.529	23464150	0.0200 CAL
ENDOSULFATE	8.892	24509284	0.0200 CAL
METHOXYCL	9.234	9117391	0.0200 CAL
ENDRINKETONE	9.567	29799692	0.0200 CAL
SURRDCBPEST	11.136	20656357	50.0000 CAL

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\008.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICAL 5 PP3849
Acquired: Aug 22,2013 17:33:22
Printed: Aug 28,2013 16:01:08

Data Summary: {Data Description}



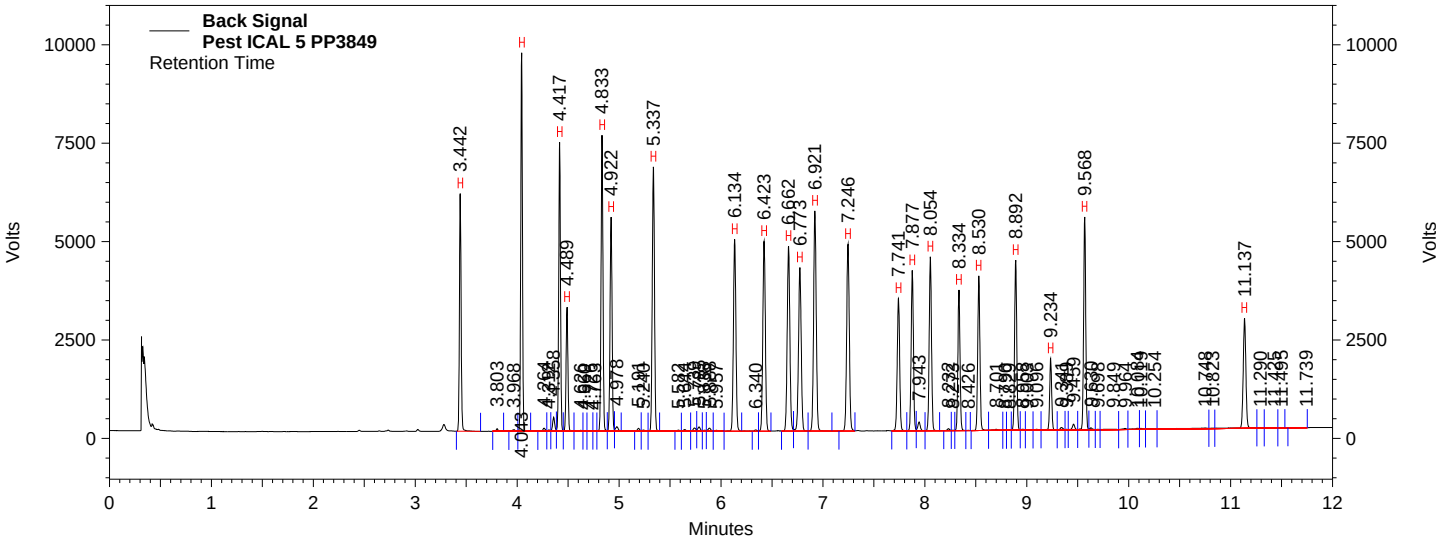
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.092	93102305	100.0000 CAL
ALPHABHC	3.593	159789459	0.0400 CAL
LINDANE	3.879	138027811	0.0400 CAL
BETABHC	3.953	55721391	0.0400 CAL
DELTABHC	4.125	139874566	0.0400 CAL
HEPTACHLOR	4.330	124298257	0.0400 CAL
ALDRIN	4.640	151005700	0.0400 CAL
HEPTAEPOX	5.323	123991131	0.0400 CAL
GAMMACHLOR	5.476	126893286	0.0400 CAL
ALPHACHLOR	5.646	126503404	0.0400 CAL
44DDE	5.733	144770821	0.0400 CAL
ENDOI	5.836	120590406	0.0400 CAL
DIELDRIN	6.170	128372523	0.0400 CAL
ENDRIN	6.522	86029434	0.0400 CAL
44DDD	6.613	100988159	0.0400 CAL
ENDOII	6.880	104731923	0.0400 CAL
44DDT	7.077	82585252	0.0400 CAL
ENDRINALDEH	7.557	88379099	0.0400 CAL
METHOXYCL	7.845	41206727	0.0400 CAL
ENDOSULFATE	8.193	94994102	0.0400 CAL
ENDRINKETONE	8.573	119034956	0.0400 CAL
SURRDCBPEST	9.809	79289701	100.0000 CAL

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\008.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICAL 5 PP3849
Acquired: Aug 22,2013 17:33:22
Printed: Aug 28,2013 16:01:08

Data Summary: {Data Description}



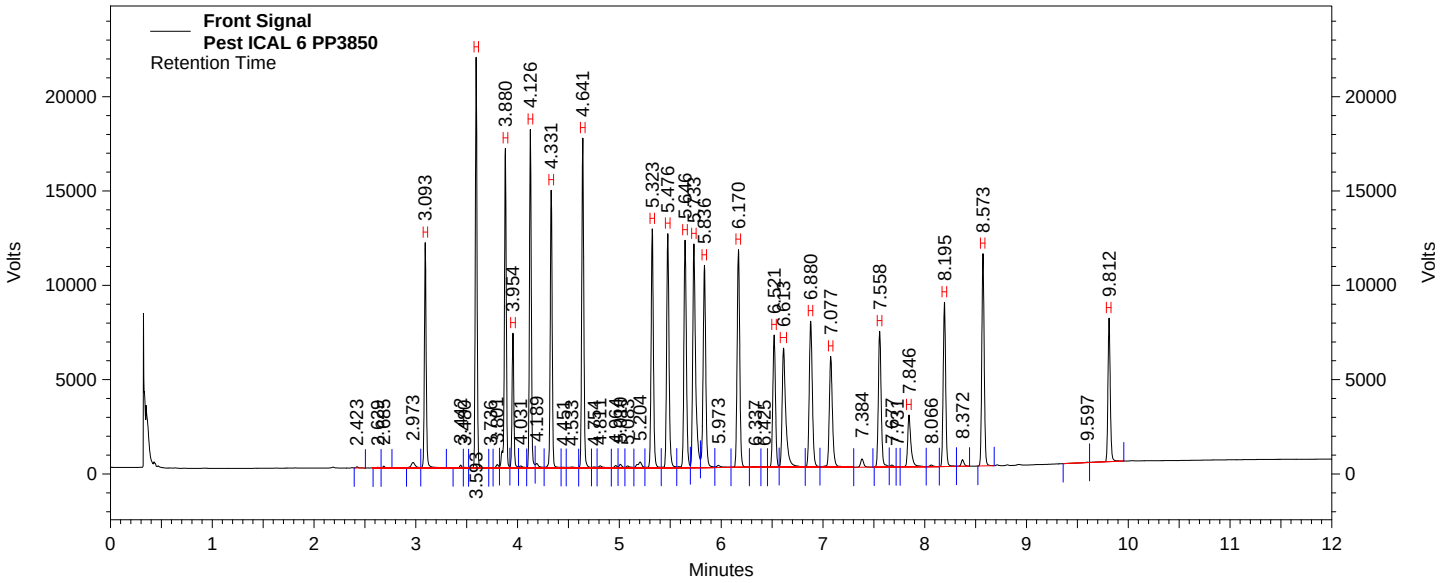
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.442	53816372	100.0000 CAL
ALPHABHC	4.043	85220002	0.0400 CAL
LINDANE	4.417	69214047	0.0400 CAL
BETABHC	4.489	30269443	0.0400 CAL
DELTABHC	4.833	75860396	0.0400 CAL
HEPTACHLOR	4.922	57284498	0.0400 CAL
ALDRIN	5.337	77102936	0.0400 CAL
HEPTAEPOX	6.134	63194462	0.0400 CAL
GAMMACHLOR	6.423	63636646	0.0400 CAL
ALPHACHLOR	6.662	64822608	0.0400 CAL
ENDOI	6.773	59105176	0.0400 CAL
44DDE	6.921	77662584	0.0400 CAL
DIELDRIN	7.246	65907434	0.0400 CAL
ENDRIN	7.741	42815444	0.0400 CAL
44DDD	7.877	48324629	0.0400 CAL
ENDOII	8.054	52864681	0.0400 CAL
44DDT	8.334	39940334	0.0400 CAL
ENDRINALDEH	8.530	45117590	0.0400 CAL
ENDOSULFATE	8.892	48353288	0.0400 CAL
METHOXYCL	9.234	18898594	0.0400 CAL
ENDRINKETONE	9.568	58494783	0.0400 CAL
SURRDCBPEST	11.137	40646376	100.0000 CAL

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\009.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICAL 6 PP3850
Acquired: Aug 22,2013 17:48:52
Printed: Aug 28,2013 16:01:10

Data Summary: {Data Description}



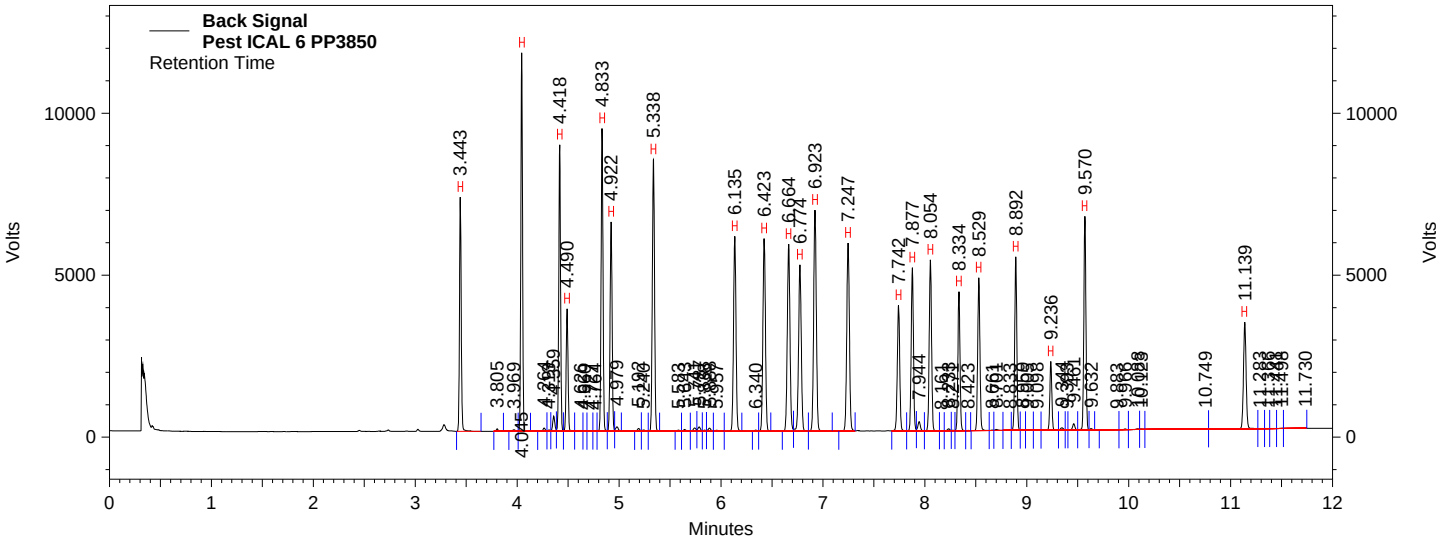
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.093	114288963	125.0000 CAL
ALPHABHC	3.593	197365542	0.0500 CAL
LINDANE	3.880	168446242	0.0500 CAL
BETABHC	3.954	67631366	0.0500 CAL
DELTABHC	4.126	172723845	0.0500 CAL
HEPTACHLOR	4.331	147756653	0.0500 CAL
ALDRIN	4.641	186943370	0.0500 CAL
HEPTAEPOX	5.323	151337785	0.0500 CAL
GAMMACHLOR	5.476	155330016	0.0500 CAL
ALPHACHLOR	5.646	155498517	0.0500 CAL
44DDE	5.733	178321073	0.0500 CAL
ENDOI	5.836	147285664	0.0500 CAL
DIELDRIN	6.170	157621817	0.0500 CAL
ENDRIN	6.521	98586233	0.0500 CAL
44DDD	6.613	123000814	0.0500 CAL
ENDOII	6.880	126560428	0.0500 CAL
44DDT	7.077	98684483	0.0500 CAL
ENDRINALDEH	7.558	107789798	0.0500 CAL
METHOXYCL	7.846	47577552	0.0500 CAL
ENDOSULFATE	8.195	114375287	0.0500 CAL
ENDRINKETONE	8.573	143134039	0.0500 CAL
SURRDCBPEST	9.812	93365496	125.0000 CAL

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\009.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICAL 6 PP3850
Acquired: Aug 22,2013 17:48:52
Printed: Aug 28,2013 16:01:10

Data Summary: {Data Description}



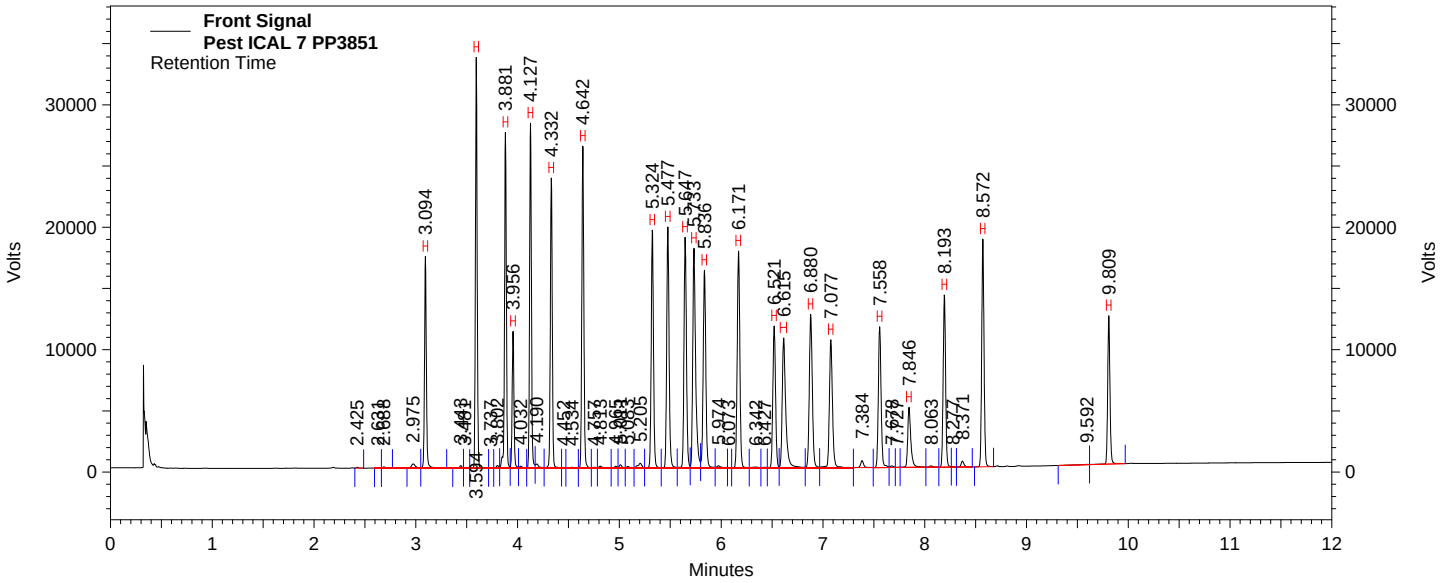
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.443	65559212	125.0000 CAL
ALPHABHC	4.045	105175078	0.0500 CAL
LINDANE	4.418	83871934	0.0500 CAL
BETABHC	4.490	36677725	0.0500 CAL
DELTABHC	4.833	93566306	0.0500 CAL
HEPTACHLOR	4.922	68270712	0.0500 CAL
ALDRIN	5.338	95252347	0.0500 CAL
HEPTAEPOX	6.135	77691974	0.0500 CAL
GAMMACHLOR	6.423	78336144	0.0500 CAL
ALPHACHLOR	6.664	80206269	0.0500 CAL
ENDOI	6.774	72660277	0.0500 CAL
44DDE	6.923	95948431	0.0500 CAL
DIELDRIN	7.247	81212126	0.0500 CAL
ENDRIN	7.742	48953809	0.0500 CAL
44DDD	7.877	59287553	0.0500 CAL
ENDOII	8.054	64407273	0.0500 CAL
44DDT	8.334	47729554	0.0500 CAL
ENDRINALDEH	8.529	55375463	0.0500 CAL
ENDOSULFATE	8.892	58447760	0.0500 CAL
METHOXYCL	9.236	21563168	0.0500 CAL
ENDRINKETONE	9.570	70541886	0.0500 CAL
SURRDCBPEST	11.139	46671459	125.0000 CAL

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\010.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICAL 7 PP3851
Acquired: Aug 22,2013 18:04:18
Printed: Aug 28,2013 16:01:12

Data Summary: {Data Description}



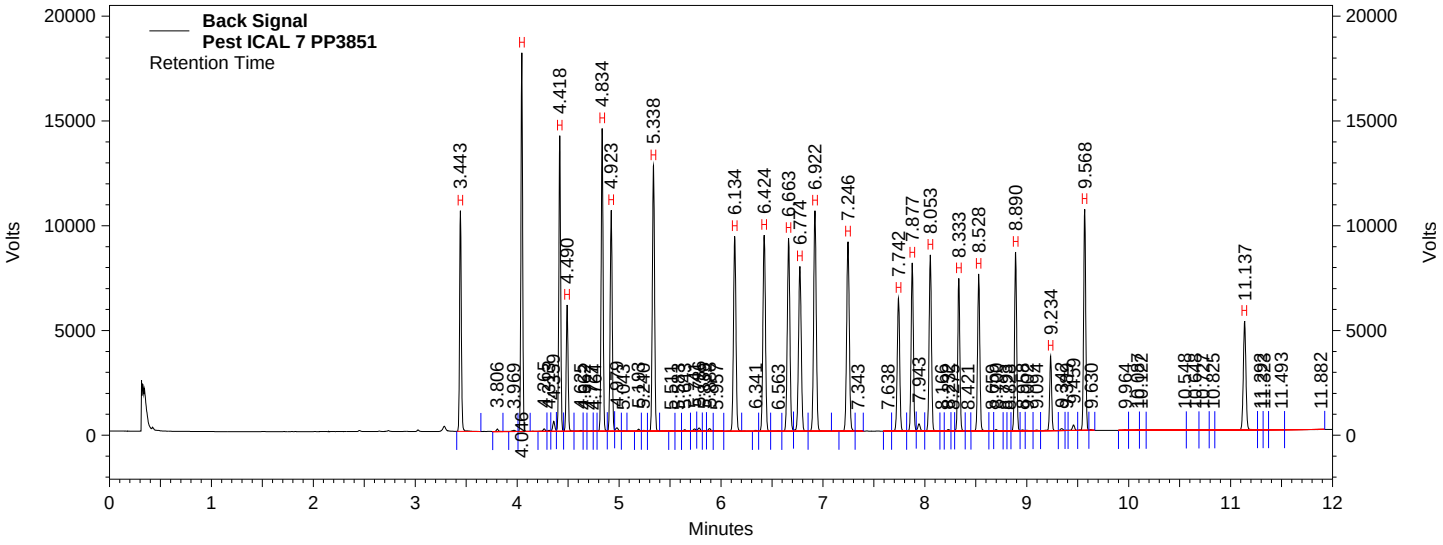
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.094	165851781	175.0000 CAL
ALPHABHC	3.594	302079949	0.0700 CAL
LINDANE	3.881	262674252	0.0700 CAL
BETABHC	3.956	105623203	0.0700 CAL
DELTABHC	4.127	268342072	0.0700 CAL
HEPTACHLOR	4.332	236986620	0.0700 CAL
ALDRIN	4.642	277418516	0.0700 CAL
HEPTAEPOX	5.324	229773018	0.0700 CAL
GAMMACHLOR	5.477	242943767	0.0700 CAL
ALPHACHLOR	5.647	239264690	0.0700 CAL
44DDE	5.733	268088208	0.0700 CAL
ENDOI	5.836	222919957	0.0700 CAL
DIELDRIN	6.171	241863951	0.0700 CAL
ENDRIN	6.521	163627403	0.0700 CAL
44DDD	6.615	193964852	0.0700 CAL
ENDOII	6.880	197771932	0.0700 CAL
44DDT	7.077	169606740	0.0700 CAL
ENDRINALDEH	7.558	167850552	0.0700 CAL
METHOXYCL	7.846	80835518	0.0700 CAL
ENDOSULFATE	8.193	179552024	0.0700 CAL
ENDRINKETONE	8.572	226423728	0.0700 CAL
SURRDCBPEST	9.809	145252325	175.0000 CAL

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\010.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICAL 7 PP3851
Acquired: Aug 22,2013 18:04:18
Printed: Aug 28,2013 16:01:12

Data Summary: {Data Description}



Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.443	95492258	175.0000 CAL
ALPHABHC	4.046	162674320	0.0700 CAL
LINDANE	4.418	136263066	0.0700 CAL
BETABHC	4.490	58497169	0.0700 CAL
DELTABHC	4.834	147896281	0.0700 CAL
HEPTACHLOR	4.923	113309596	0.0700 CAL
ALDRIN	5.338	145254722	0.0700 CAL
HEPTAEPOX	6.134	120867393	0.0700 CAL
GAMMACHLOR	6.424	124915578	0.0700 CAL
ALPHACHLOR	6.663	125298026	0.0700 CAL
ENDOI	6.774	113668226	0.0700 CAL
44DDE	6.922	144999566	0.0700 CAL
DIELDRIN	7.246	126678715	0.0700 CAL
ENDRIN	7.742	81821844	0.0700 CAL
44DDD	7.877	94776595	0.0700 CAL
ENDOII	8.053	102233694	0.0700 CAL
44DDT	8.333	81068747	0.0700 CAL
ENDRINALDEH	8.528	87275099	0.0700 CAL
ENDOSULFATE	8.890	93279779	0.0700 CAL
METHOXYCL	9.234	36133955	0.0700 CAL
ENDRINKETONE	9.568	113317078	0.0700 CAL
SURRDCBPEST	11.137	72306888	175.0000 CAL

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082213pstic.seq
User : JJY
Printed : Aug 28,2013 16:01:15

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082213pstic\011.dat	Pest ICV1 PP3852	Aug 28,2013 16:01:15

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	50.000	49.112	1.775	20.000	Passed
ALPHABHC	0.020	0.018	8.613	20.000	Passed
LINDANE	0.020	0.018	10.461	20.000	Passed
BETABHC	0.020	0.018	9.124	20.000	Passed
DELTABHC	0.020	0.018	9.206	20.000	Passed
HEPTACHLOR	0.020	0.017	12.914	20.000	Passed
ALDRIN	0.020	0.019	5.678	20.000	Passed
HEPTAEPOX	0.020	0.018	8.595	20.000	Passed
GAMMACHLOR	0.020	0.018	8.220	20.000	Passed
ALPHACHLOR	0.020	0.019	7.373	20.000	Passed
44DDE	0.020	0.019	3.629	20.000	Passed
ENDOI	0.020	0.018	9.577	20.000	Passed
DIELDRIN	0.020	0.019	7.398	20.000	Passed
ENDRIN	0.020	0.018	11.636	20.000	Passed
44DDD	0.020	0.019	6.831	20.000	Passed
ENDOII	0.020	0.018	9.624	20.000	Passed
44DDT	0.020	0.016	19.467	20.000	Passed
ENDRINALDEH	0.020	0.018	8.055	20.000	Passed
METHOXYCL	0.020	0.016	18.603	20.000	Passed
ENDOSULFATE	0.020	0.018	9.093	20.000	Passed
ENDRINKETONE	0.020	0.018	8.420	20.000	Passed
SURRDCBPEST	50.000	46.559	6.882	20.000	Passed

Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	50.000	48.552	2.897	20.000	Passed
ALPHABHC	0.020	0.018	8.469	20.000	Passed
LINDANE	0.020	0.018	10.633	20.000	Passed
BETABHC	0.020	0.018	8.115	20.000	Passed
DELTABHC	0.020	0.018	8.165	20.000	Passed
HEPTACHLOR	0.020	0.018	10.283	20.000	Passed
ALDRIN	0.020	0.019	4.684	20.000	Passed
HEPTAEPOX	0.020	0.019	7.422	20.000	Passed
GAMMACHLOR	0.020	0.019	7.378	20.000	Passed
ALPHACHLOR	0.020	0.019	7.020	20.000	Passed
ENDOI	0.020	0.018	8.456	20.000	Passed
44DDE	0.020	0.019	3.371	20.000	Passed
DIELDRIN	0.020	0.019	7.249	20.000	Passed
ENDRIN	0.020	0.018	9.502	20.000	Passed
44DDD	0.020	0.019	6.883	20.000	Passed
ENDOII	0.020	0.018	8.865	20.000	Passed
44DDT	0.020	0.017	14.475	20.000	Passed
ENDRINALDEH	0.020	0.019	7.014	20.000	Passed
ENDOSULFATE	0.020	0.018	8.094	20.000	Passed

QC Check Standard Report

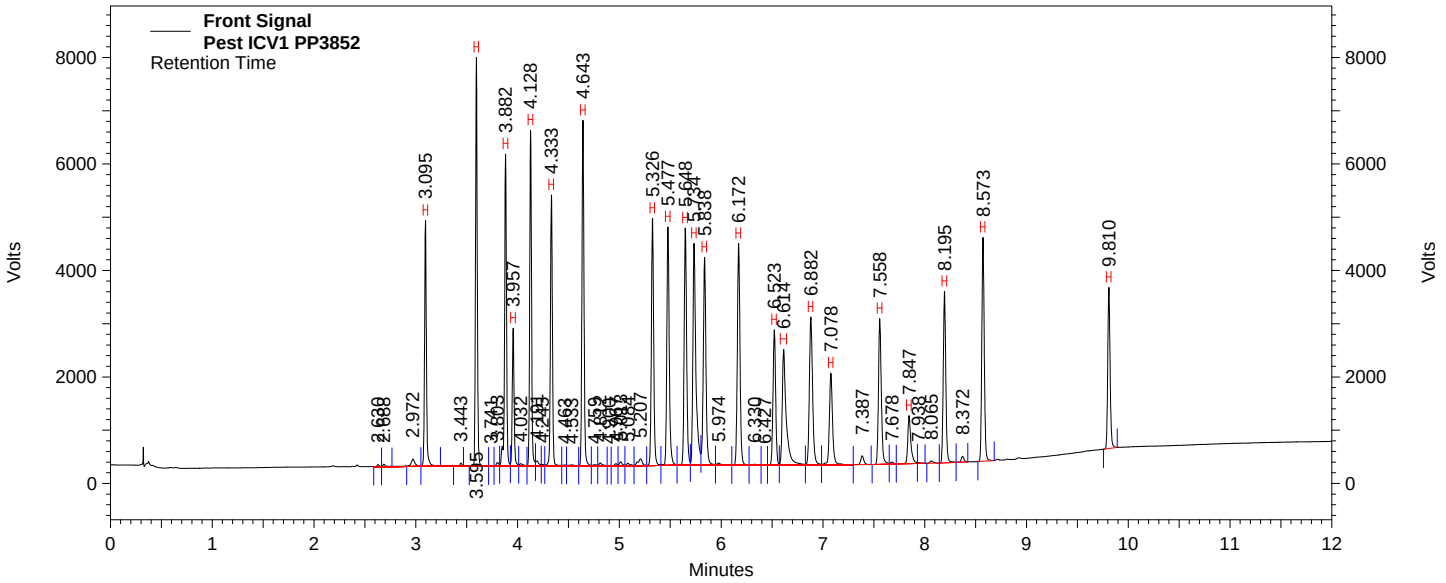
Sequence : C:\Instarch\Semi6\Sequence\082213pstic.seq
User : JJY
Printed : Aug 28,2013 16:01:15

METHOXYCL	0.020	0.017	12.663	20.000	**Passed**
ENDRINKETONE	0.020	0.018	8.617	20.000	**Passed**
SURRDCBPEST	50.000	47.551	4.899	20.000	**Passed**

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\011.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICV1 PP3852
Acquired: Aug 22,2013 18:19:46
Printed: Aug 28,2013 16:01:14

Data Summary: {Data Description}



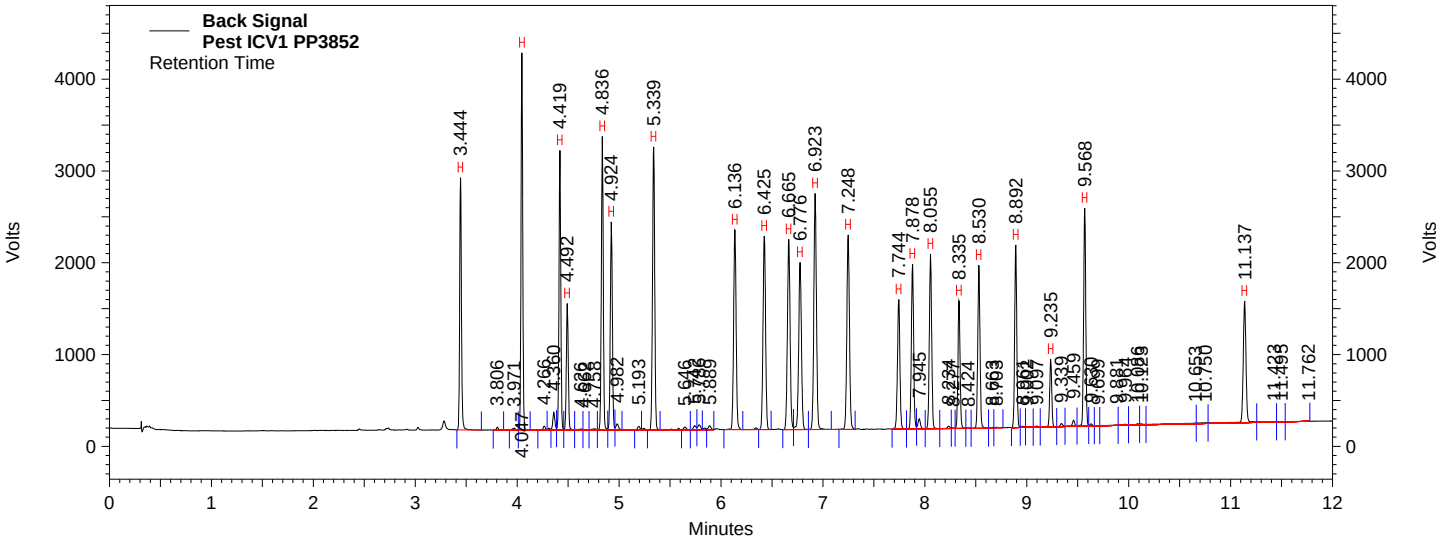
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.095	44881766	49.1124
ALPHABHC	3.595	69870010	0.0183
LINDANE	3.882	59199575	0.0179
BETABHC	3.957	25142639	0.0182
DELTABHC	4.128	60441188	0.0182
HEPTACHLOR	4.333	52477379	0.0174
ALDRIN	4.643	69554172	0.0189
HEPTAEPOX	5.326	56392624	0.0183
GAMMACHLOR	5.477	56688506	0.0184
ALPHACHLOR	5.648	57381994	0.0185
44DDE	5.734	65342938	0.0193
ENDOI	5.838	54911653	0.0181
DIELDRIN	6.172	57865815	0.0185
ENDRIN	6.523	35175992	0.0177
44DDD	6.614	44976154	0.0186
ENDOII	6.882	46780725	0.0181
44DDT	7.078	28597723	0.0161
ENDRINALDEH	7.558	40690446	0.0184
METHOXYCL	7.847	14754453	0.0163
ENDOSULFATE	8.195	42838217	0.0182
ENDRINKETONE	8.573	54033973	0.0183
SURRDCBPEST	9.810	37389950	46.5588

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\011.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICV1 PP3852
Acquired: Aug 22,2013 18:19:46
Printed: Aug 28,2013 16:01:14

Data Summary: {Data Description}



Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.444	25346844	48.5516
ALPHABHC	4.047	36811184	0.0183
LINDANE	4.419	28976594	0.0179
BETABHC	4.492	13652067	0.0184
DELTABHC	4.836	32652855	0.0184
HEPTACHLOR	4.924	24131794	0.0179
ALDRIN	5.339	34808401	0.0191
HEPTAEPOX	6.136	28412761	0.0185
GAMMACHLOR	6.425	28034438	0.0185
ALPHACHLOR	6.665	28921218	0.0186
ENDOI	6.776	26115757	0.0183
44DDE	6.923	35086209	0.0193
DIELDRIN	7.248	29053232	0.0186
ENDRIN	7.744	17905404	0.0181
44DDD	7.878	21287060	0.0186
ENDOII	8.055	23305757	0.0182
44DDT	8.335	15442696	0.0171
ENDRINALDEH	8.530	20659530	0.0186
ENDOSULFATE	8.892	21560674	0.0184
METHOXYCL	9.235	7711440	0.0175
ENDRINKETONE	9.568	25882328	0.0183
SURRDCBPEST	11.137	19805026	47.5506

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082213pstic.seq
User : JJY
Printed : Aug 28,2013 16:01:20

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082213pstic\012.dat	Pest ICV2 PP3853	Aug 28,2013 16:01:20

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	100.000	100.697	0.697	20.000	Passed
ALPHABHC	0.040	0.039	1.395	20.000	Passed
LINDANE	0.040	0.040	1.083	20.000	Passed
BETABHC	0.040	0.040	0.139	20.000	Passed
DELTABHC	0.040	0.040	0.845	20.000	Passed
HEPTACHLOR	0.040	0.040	1.219	20.000	Passed
ALDRIN	0.040	0.040	0.891	20.000	Passed
HEPTAEPOX	0.040	0.040	0.895	20.000	Passed
GAMMACHLOR	0.040	0.040	0.899	20.000	Passed
ALPHACHLOR	0.040	0.040	0.338	20.000	Passed
44DDE	0.040	0.040	1.163	20.000	Passed
ENDOI	0.040	0.039	1.454	20.000	Passed
DIELDRIN	0.040	0.040	0.389	20.000	Passed
ENDRIN	0.040	0.041	2.493	20.000	Passed
44DDD	0.040	0.041	2.992	20.000	Passed
ENDOII	0.040	0.040	1.102	20.000	Passed
44DDT	0.040	0.039	1.321	20.000	Passed
ENDRINALDEH	0.040	0.041	2.696	20.000	Passed
METHOXYCL	0.040	0.040	1.043	20.000	Passed
ENDOSULFATE	0.040	0.040	1.155	20.000	Passed
ENDRINKETONE	0.040	0.041	2.206	20.000	Passed
SURRDCBPEST	100.000	101.740	1.740	20.000	Passed

Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	100.000	102.135	2.135	20.000	Passed
ALPHABHC	0.040	0.040	0.477	20.000	Passed
LINDANE	0.040	0.040	0.708	20.000	Passed
BETABHC	0.040	0.040	0.075	20.000	Passed
DELTABHC	0.040	0.040	0.440	20.000	Passed
HEPTACHLOR	0.040	0.041	3.229	20.000	Passed
ALDRIN	0.040	0.040	0.360	20.000	Passed
HEPTAEPOX	0.040	0.040	0.120	20.000	Passed
GAMMACHLOR	0.040	0.041	1.593	20.000	Passed
ALPHACHLOR	0.040	0.040	0.454	20.000	Passed
ENDOI	0.040	0.040	0.127	20.000	Passed
44DDE	0.040	0.040	0.956	20.000	Passed
DIELDRIN	0.040	0.040	0.765	20.000	Passed
ENDRIN	0.040	0.041	3.006	20.000	Passed
44DDD	0.040	0.041	2.584	20.000	Passed
ENDOII	0.040	0.041	1.656	20.000	Passed
44DDT	0.040	0.041	1.494	20.000	Passed
ENDRINALDEH	0.040	0.041	3.484	20.000	Passed
ENDOSULFATE	0.040	0.041	2.349	20.000	Passed

QC Check Standard Report

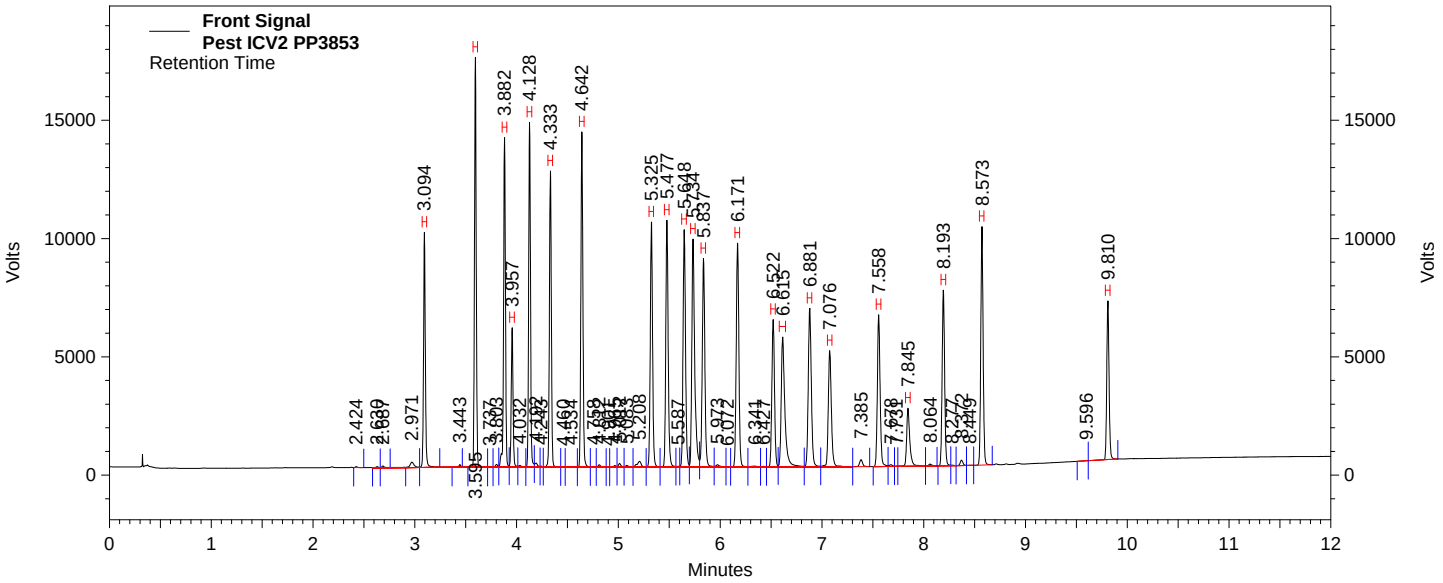
Sequence : C:\Instarch\Semi6\Sequence\082213pstic.seq
User : JJY
Printed : Aug 28,2013 16:01:20

METHOXYCL	0.040	0.041	2.883	20.000	**Passed**
ENDRINKETONE	0.040	0.041	2.718	20.000	**Passed**
SURRDCBPEST	100.000	101.630	1.630	20.000	**Passed**

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\012.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICV2 PP3853
Acquired: Aug 22,2013 18:35:08
Printed: Aug 28,2013 16:01:18

Data Summary: {Data Description}



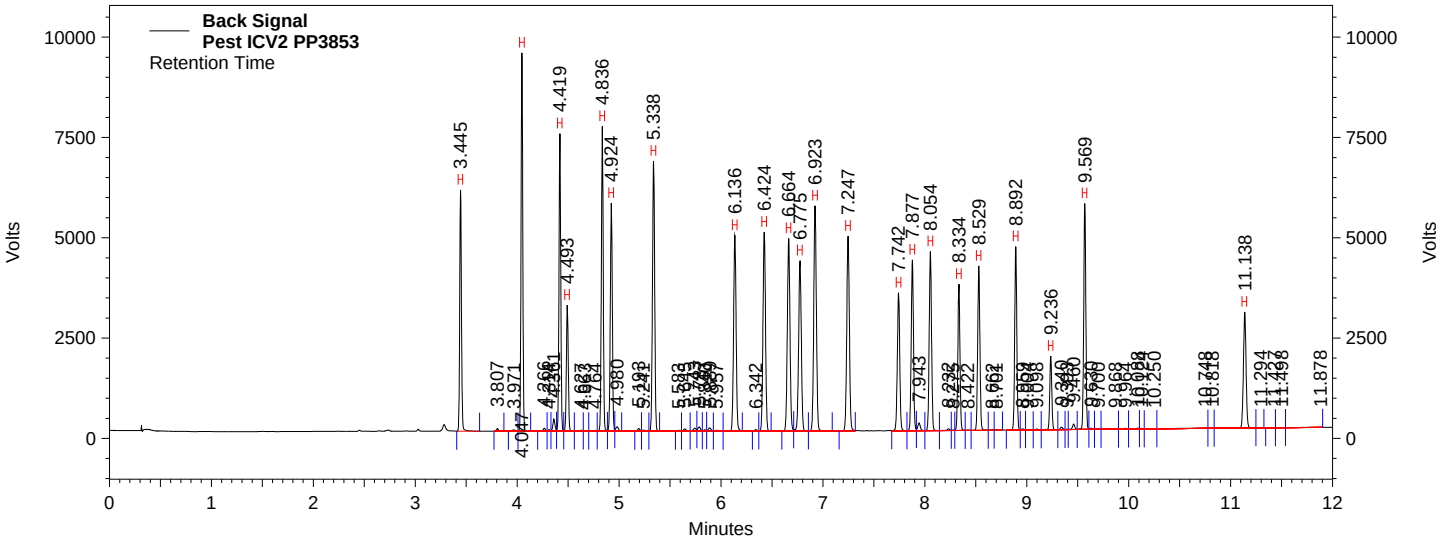
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.094	93141752	100.6974
ALPHABHC	3.595	157741509	0.0394
LINDANE	3.882	136714376	0.0396
BETABHC	3.957	56342510	0.0399
DELTABHC	4.128	139100599	0.0397
HEPTACHLOR	4.333	126281594	0.0405
ALDRIN	4.642	149976176	0.0396
HEPTAEPOX	5.325	124076066	0.0396
GAMMACHLOR	5.477	129382895	0.0404
ALPHACHLOR	5.648	127299940	0.0399
44DDE	5.734	144405913	0.0405
ENDOI	5.837	120635402	0.0394
DIELDRIN	6.171	129803392	0.0402
ENDRIN	6.522	86284924	0.0410
44DDD	6.615	104576674	0.0412
ENDOII	6.881	107125065	0.0404
44DDT	7.076	79958869	0.0395
ENDRINALDEH	7.558	92591300	0.0411
METHOXYCL	7.845	40509819	0.0404
ENDOSULFATE	8.193	97234089	0.0405
ENDRINKETONE	8.573	123418184	0.0409
SURRDCBPEST	9.810	81005712	101.7399

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\012.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Pest ICV2 PP3853
Acquired: Aug 22,2013 18:35:08
Printed: Aug 28,2013 16:01:18

Data Summary: {Data Description}



Back Signal Results

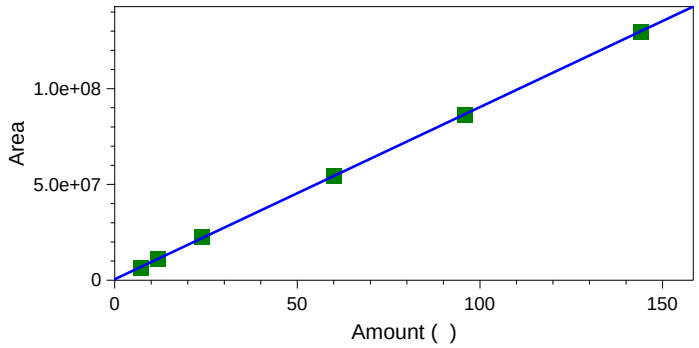
Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.445	54213516	102.1346
ALPHABHC	4.047	84696937	0.0398
LINDANE	4.419	69905002	0.0403
BETABHC	4.493	30697664	0.0400
DELTABHC	4.836	75652253	0.0398
HEPTACHLOR	4.924	59383797	0.0413
ALDRIN	5.338	76464942	0.0399
HEPTAEPOX	6.136	63894456	0.0400
GAMMACHLOR	6.424	65318554	0.0406
ALPHACHLOR	6.664	65698403	0.0402
ENDOI	6.775	59700426	0.0401
44DDE	6.923	77466518	0.0404
DIELDRIN	7.247	66631047	0.0403
ENDRIN	7.742	43149251	0.0412
44DDD	7.877	49987165	0.0410
ENDOII	8.054	54314274	0.0407
44DDT	8.334	40423373	0.0406
ENDRINALDEH	8.529	47618863	0.0414
ENDOSULFATE	8.892	49949614	0.0409
METHOXYCL	9.236	19084037	0.0412
ENDRINKETONE	9.569	60704274	0.0411
SURRDCBPEST	11.138	41272549	101.6301

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:05:55
User: JJY
Instrument: Semi 6

SURRTCMXPEST (Front Signal)
Average RF: 913592. RF StDev: 13663.0 RF %RSD: 1.49552
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 898694.x + 420776.
Goodness of fit (r^2): 0.999954

Peak: SURRTCMXPEST -- ESTD -- Front Signal



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	7.2	12	24	60	96
Area	6644105	10914802	22467367	54663105	86442534
RF	922792.3611 11111	909566.833333 333	936140.2916666 67	911051.75	900443.0625
Last Area Residual	0.275145	0.323032	-0.531799	-0.356811	0.281415
Rep StDev					
Rep %RSD					
Rep 1 Area	6644105	10914802	22467367	54663105	86442534
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	144
Area	129824667

Calibration Report

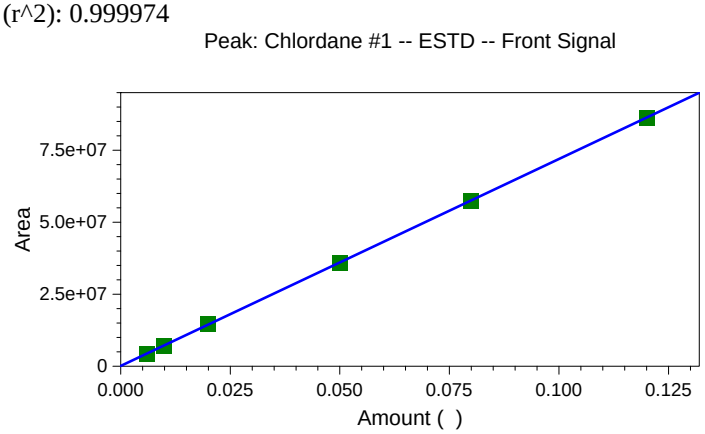
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:05:55
User: JJY
Instrument: Semi 6

RF	901560.1875
Last Area	
Residual	0.00901801
Rep StDev	
Rep %RSD	
Rep 1 Area	129824667
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:05:58
User: JJY
Instrument: Semi 6

Chlordane #1 (Front Signal)
Average RF: 7.21715e+008 RF StDev: 9.11405e+006 RF %RSD: 1.26283
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 7.18862e+008x + 72749.1
Goodness of fit (r^2): 0.999974



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	4348274	7104106	14755190	35946721	57479471
RF	724712333.333333	710410600	737759500	718934420	718493387.5
Last Area					
Residual	5.23711e-005	0.000218768	-0.000424559	9.61692e-005	0.000142232
Rep StDev					
Rep %RSD					
Rep 1 Area	4348274	7104106	14755190	35946721	57479471
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	86397289

Calibration Report

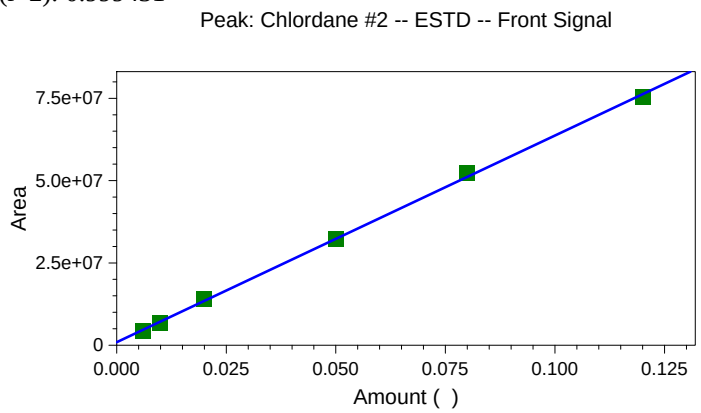
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:05:58
User: JJY
Instrument: Semi 6

RF	719977408.333333
Last Area Residual	-8.4981e-005
Rep StDev	
Rep %RSD	
Rep 1 Area	86397289
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:06
User: JJY
Instrument: Semi 6

Chlordane #2 (Front Signal)
Average RF: 6.69462e+008 RF StDev: 3.23479e+007 RF %RSD: 4.83193
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 6.27833e+008x + 926597.
Goodness of fit (r^2): 0.999431



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	4252555	6762218	14082334	32295109	52170366
RF	708759166.666667	676221800	704116700	645902180	652129575
Last Area Residual	0.000702477	0.000705133	-0.000954209	3.68287e-005	-0.0016201
Rep StDev					
Rep %RSD					
Rep 1 Area	4252555	6762218	14082334	32295109	52170366
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	75557148

Calibration Report

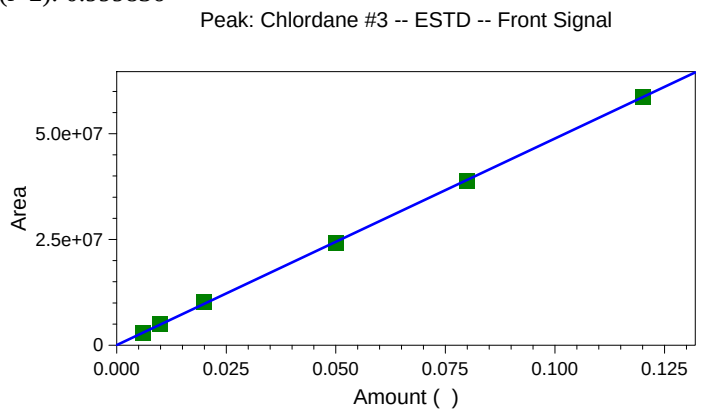
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:06
User: JJY
Instrument: Semi 6

RF	629642900
Last Area	
Residual	0.00112987
Rep StDev	
Rep %RSD	
Rep 1 Area	75557148
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:07
User: JJY
Instrument: Semi 6

Chlordane #3 (Front Signal)
Average RF: 4.87653e+008 RF StDev: 1.70617e+007 RF %RSD: 3.49875
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 4.88337e+008x + 31149.7
Goodness of fit (r^2): 0.999836



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	2762318	4914505	10273945	24221530	38871063
RF	460386333.333333	491450500	513697250	484430600	485888287.5
Last Area Residual	0.000407206	2.97875e-008	-0.000974851	0.000463756	0.000464936
Rep StDev					
Rep %RSD					
Rep 1 Area	2762318	4914505	10273945	24221530	38871063
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	58807915

Calibration Report

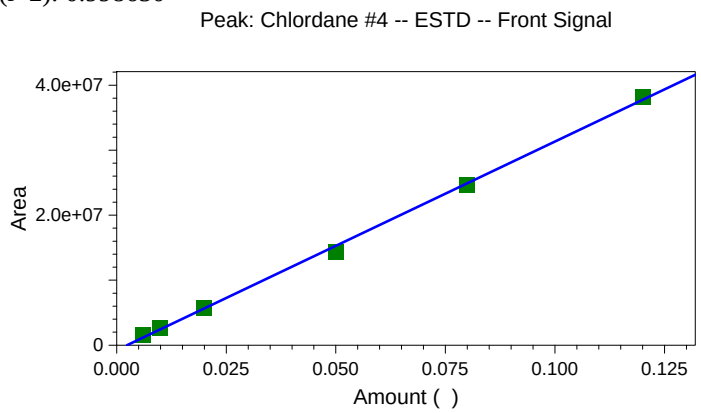
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:07
User: JJY
Instrument: Semi 6

RF	490065958.333333
Last Area Residual	-0.000361077
Rep StDev	
Rep %RSD	
Rep 1 Area	58807915
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:09
User: JJY
Instrument: Semi 6

Chlordane #4 (Front Signal)
Average RF: 2.87936e+008 RF StDev: 2.27624e+007 RF %RSD: 7.90539
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 3.20884e+008x - 757510.
Goodness of fit (r^2): 0.998650



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	1559232	2671666	5732238	14341753	24665102
RF	259872000	267166600	286611900	286835060	308313775
Last Area Residual	-0.00121988	-0.00068666	-0.000224605	0.00294476	0.00077315
Rep StDev					
Rep %RSD					
Rep 1 Area	1559232	2671666	5732238	14341753	24665102
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	38257713
RF	318814275

Calibration Report

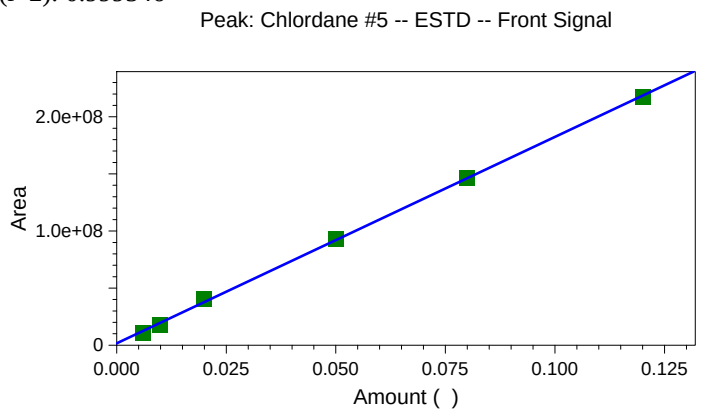
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:09
User: JJY
Instrument: Semi 6

Last Area	
Residual	-0.00158677
Rep StDev	
Rep %RSD	
Rep 1 Area	38257713
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:10
User: JJY
Instrument: Semi 6

Chlordane #5 (Front Signal)
Average RF: 1.86491e+009 RF StDev: 8.74581e+007 RF %RSD: 4.68966
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 1.80757e+009x + 1.68451e+006
Goodness of fit (r^2): 0.999546



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	11123488	17934337	40726074	92969953	146507145
RF	1853914666.66667	1793433700	2036303700	1859399060	1831339312.5
Last Area Residual	0.000778085	0.00101013	-0.00159892	-0.000501738	-0.000120055
Rep StDev					
Rep %RSD					
Rep 1 Area	11123488	17934337	40726074	92969953	146507145
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	217811179

Calibration Report

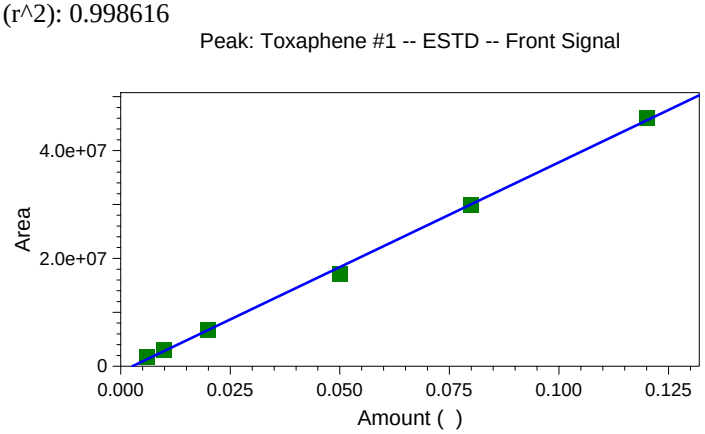
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:10
User: JJY
Instrument: Semi 6

RF	1815093158.33333
Last Area Residual	0.000432499
Rep StDev	
Rep %RSD	
Rep 1 Area	217811179
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:11
User: JJY
Instrument: Semi 6

Toxaphene #1 (Front Signal)
Average RF: 3.41882e+008 RF StDev: 3.33397e+007 RF %RSD: 9.75181
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 3.88524e+008x - 1.03821e+006
Goodness of fit (r^2): 0.998616



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	1799052	3110040	6777336	17170868	29895446
RF	299842000	311004000	338866800	343417360	373693075
Last Area					
Residual	-0.00130265	-0.000676926	-0.000115962	0.00313274	0.000381707
Rep StDev					
Rep %RSD					
Rep 1 Area	1799052	3110040	6777336	17170868	29895446
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	46136008

Calibration Report

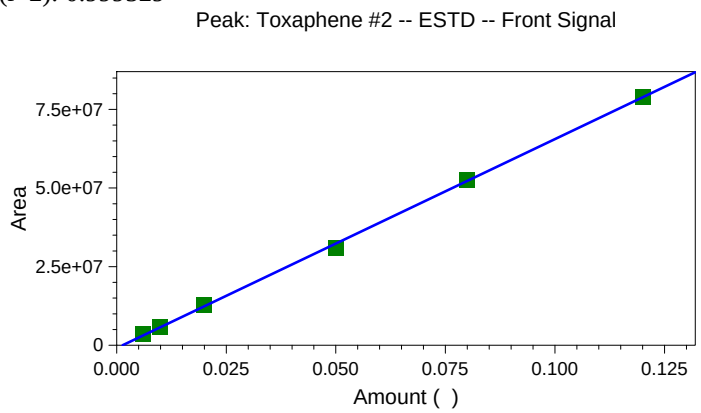
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:11
User: JJY
Instrument: Semi 6

RF	384466733.333333
Last Area Residual	-0.00141891
Rep StDev	
Rep %RSD	
Rep 1 Area	46136008
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:12
User: JJY
Instrument: Semi 6

Toxaphene #2 (Front Signal)
Average RF: 6.22554e+008 RF StDev: 3.47113e+007 RF %RSD: 5.57562
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 6.64601e+008x - 888353.
Goodness of fit (r^2): 0.999529



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	3497383	5808660	12679862	31032920	52604611
RF	582897166.666667	580866000	633993100	620658400	657557637.5
Last Area Residual	-0.000599054	-7.67459e-005	-0.000415587	0.00196925	-0.000488868
Rep StDev					
Rep %RSD					
Rep 1 Area	3497383	5808660	12679862	31032920	52604611
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	79122268

Calibration Report

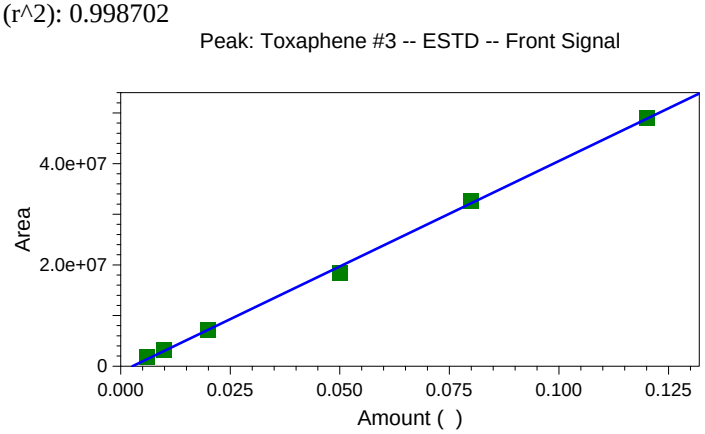
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:12
User: JJY
Instrument: Semi 6

RF	659352233.333333
Last Area Residual	-0.000388997
Rep StDev	
Rep %RSD	
Rep 1 Area	79122268
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:14
User: JJY
Instrument: Semi 6

Toxaphene #3 (Front Signal)
Average RF: 3.64253e+008 RF StDev: 3.93158e+007 RF %RSD: 10.7935
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 4.16224e+008x - 1.10660e+006
Goodness of fit (r^2): 0.998702



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	1885728	3274316	7205522	18364266	32555907
RF	314288000	327431600	360276100	367285320	406948837.5
Last Area					
Residual	-0.00118921	-0.000525357	2.97241e-005	0.00322029	-0.00087584
Rep StDev					
Rep %RSD					
Rep 1 Area	1885728	3274316	7205522	18364266	32555907
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	49114883

Calibration Report

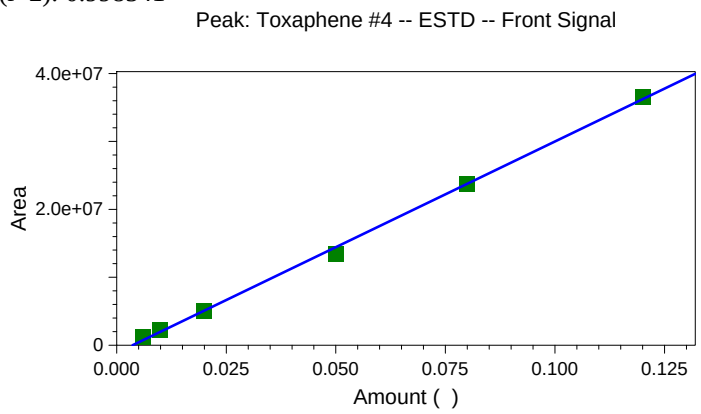
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:14
User: JJY
Instrument: Semi 6

RF	409290691.666667
Last Area Residual	-0.000659606
Rep StDev	
Rep %RSD	
Rep 1 Area	49114883
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:15
User: JJY
Instrument: Semi 6

Toxaphene #4 (Front Signal)
Average RF: 2.56813e+008 RF StDev: 4.31004e+007 RF %RSD: 16.7828
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 3.11195e+008x - 1.12262e+006
Goodness of fit (r^2): 0.998541



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	1160726	2222911	5096410	13410445	23753495
RF	193454333.333333	222291100	254820500	268208900	296918687.5
Last Area Residual	-0.00133734	-0.000750586	1.56703e-005	0.00329923	6.2719e-005
Rep StDev					
Rep %RSD					
Rep 1 Area	1160726	2222911	5096410	13410445	23753495
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	36622175

Calibration Report

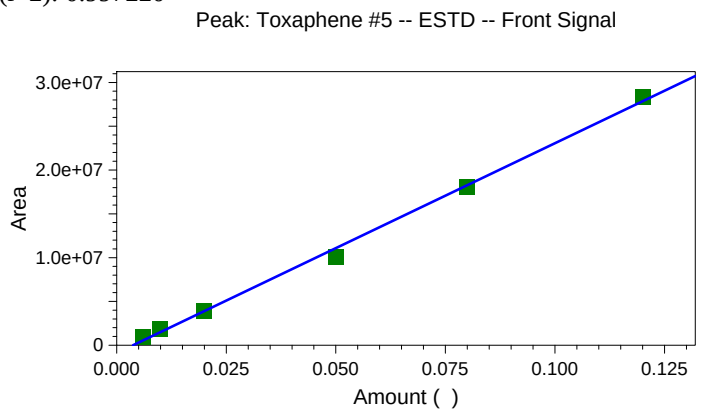
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:15
User: JJY
Instrument: Semi 6

RF	305184791.666667
Last Area Residual	-0.00128969
Rep StDev	
Rep %RSD	
Rep 1 Area	36622175
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:16
User: JJY
Instrument: Semi 6

Toxaphene #5 (Front Signal)
Average RF: 1.99787e+008 RF StDev: 2.84032e+007 RF %RSD: 14.2167
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 2.39567e+008x - 891950.
Goodness of fit (r^2): 0.997220



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	955786	1807630	3903392	10078687	18021707
RF	159297666.666667	180763000	195169600	201573740	225271337.5
Last Area Residual	-0.00171281	-0.00126858	-1.67025e-005	0.0042064	0.00105067
Rep StDev					
Rep %RSD					
Rep 1 Area	955786	1807630	3903392	10078687	18021707
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	28397270

Calibration Report

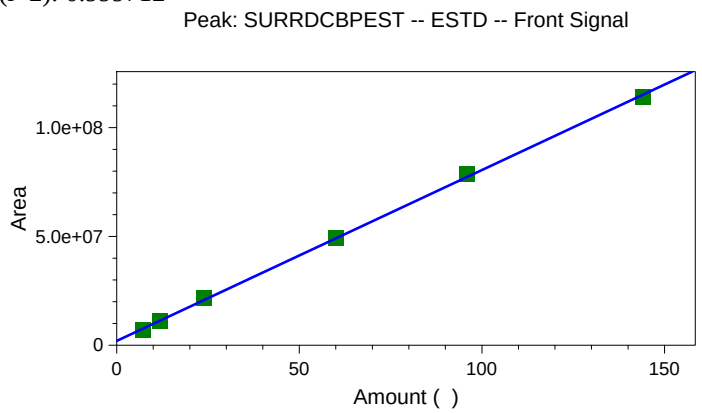
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:16
User: JJY
Instrument: Semi 6

RF	236643916.666667
Last Area Residual	-0.00225897
Rep StDev	
Rep %RSD	
Rep 1 Area	28397270
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:17
User: JJY
Instrument: Semi 6

SURRDCBPEST (Front Signal)
Average RF: 871873. RF StDev: 75838.0 RF %RSD: 8.69829
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 785515.x + 1.99099e+006
Goodness of fit (r^2): 0.999712



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	7.2	12	24	60	96
Area	7151453	10944272	21497464	49126277	78469402
RF	993257.3611 11111	912022.666666 667	895727.6666666 67	818771.2833333 33	817389.60416 6667
Last Area Residual	0.630476	0.602027	-0.832718	-0.00558646	-1.36086
Rep StDev					
Rep %RSD					
Rep 1 Area	7151453	10944272	21497464	49126277	78469402
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	144
Area	114345814

Calibration Report

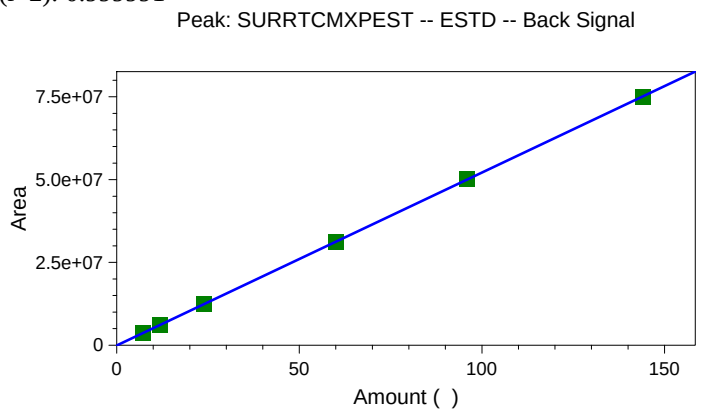
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:17
User: JJY
Instrument: Semi 6

RF	794068.152777778
Last Area	
Residual	0.966662
Rep StDev	
Rep %RSD	
Rep 1 Area	114345814
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:23
User: JJY
Instrument: Semi 6

SURRTCMXPEST (Back Signal)
Average RF: 518311. RF StDev: 5911.07 RF %RSD: 1.14045
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 522040.x - 70942.4
Goodness of fit (r^2): 0.999991



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	7.2	12	24	60	96
Area	3698806	6106593	12595322	31154466	50078879
RF	513723.055555	508882.75	524805.083333	519241.1	521654.98958 3333
Last Area Residual	-0.0211899	0.166543	-0.263025	0.185769	-0.0651335
Rep StDev					
Rep %RSD					
Rep 1 Area	3698806	6106593	12595322	31154466	50078879
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	144
Area	75104333

Calibration Report

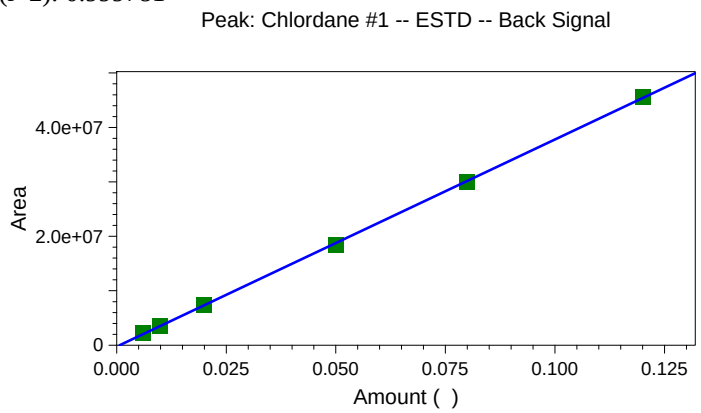
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:23
User: JJY
Instrument: Semi 6

RF	521557.868055556
Last Area	
Residual	-0.00296278
Rep StDev	
Rep %RSD	
Rep 1 Area	75104333
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:26
User: JJY
Instrument: Semi 6

Chlordane #1 (Back Signal)
Average RF: 3.71246e+008 RF StDev: 7.31976e+006 RF %RSD: 1.97167
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 3.80280e+008x - 243495.
Goodness of fit (r^2): 0.999781



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	2240325	3585685	7443854	18444104	29897075
RF	373387500	358568500	372192700	368882080	373713437.5
Last Area Residual	-0.000531556	-6.93709e-005	-0.000214973	0.000858309	0.000741097
Rep StDev					
Rep %RSD					
Rep 1 Area	2240325	3585685	7443854	18444104	29897075
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	45688048

Calibration Report

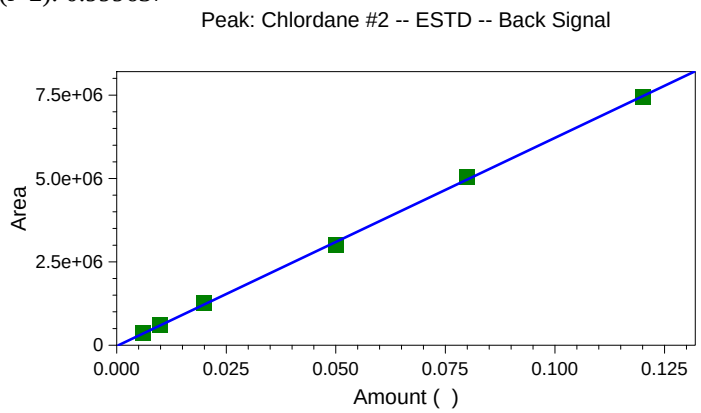
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:26
User: JJY
Instrument: Semi 6

RF	380733733.333333
Last Area Residual	-0.000783506
Rep StDev	
Rep %RSD	
Rep 1 Area	45688048
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:27
User: JJY
Instrument: Semi 6

Chlordane #2 (Back Signal)
Average RF: 6.13095e+007 RF StDev: 1.47026e+006 RF %RSD: 2.39809
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 6.24466e+007x - 24485.2
Goodness of fit (r^2): 0.999637



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	360776	597938	1255208	3002700	5036301
RF	60129333.33 33333	59793800	62760400	60054000	62953762.5
Last Area Residual	-0.000169452	3.27111e-005	-0.000492603	0.00152361	-0.00104183
Rep StDev					
Rep %RSD					
Rep 1 Area	360776	597938	1255208	3002700	5036301
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	7459891

Calibration Report

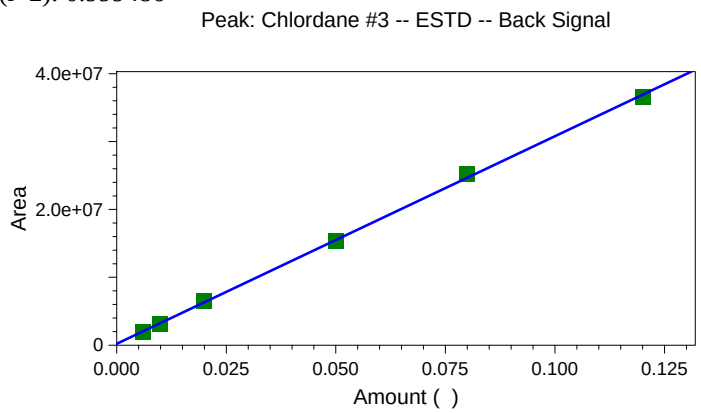
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:27
User: JJY
Instrument: Semi 6

RF	62165758.3333333
Last Area Residual	0.000147563
Rep StDev	
Rep %RSD	
Rep 1 Area	7459891
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:28
User: JJY
Instrument: Semi 6

Chlordane #3 (Back Signal)
Average RF: 3.15040e+008 RF StDev: 1.00392e+007 RF %RSD: 3.18666
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 3.05862e+008x + 212200.
Goodness of fit (r^2): 0.999486



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	1952486	3101175	6575762	15279342	25197660
RF	325414333.333333	310117500	328788100	305586840	314970750
Last Area Residual	0.000310219	0.000554637	-0.000805355	0.000738716	-0.00168874
Rep StDev					
Rep %RSD					
Rep 1 Area	1952486	3101175	6575762	15279342	25197660
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	36643232

Calibration Report

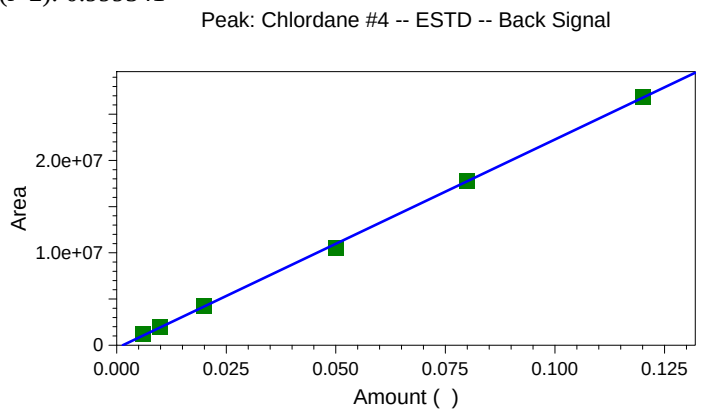
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:28
User: JJY
Instrument: Semi 6

RF	305360266.666667
Last Area Residual	0.000890523
Rep StDev	
Rep %RSD	
Rep 1 Area	36643232
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:29
User: JJY
Instrument: Semi 6

Chlordane #4 (Back Signal)
Average RF: 2.11948e+008 RF StDev: 1.01114e+007 RF %RSD: 4.77069
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 2.25861e+008x - 314111.
Goodness of fit (r^2): 0.999541



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	1219296	1989206	4235330	10549005	17795790
RF	203216000	198920600	211766500	210980100	222447375
Last Area					
Residual	-0.000789149	-0.00019792	-0.000142618	0.00190363	-0.000181456
Rep StDev					
Rep %RSD					
Rep 1 Area	1219296	1989206	4235330	10549005	17795790
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	26923085

Calibration Report

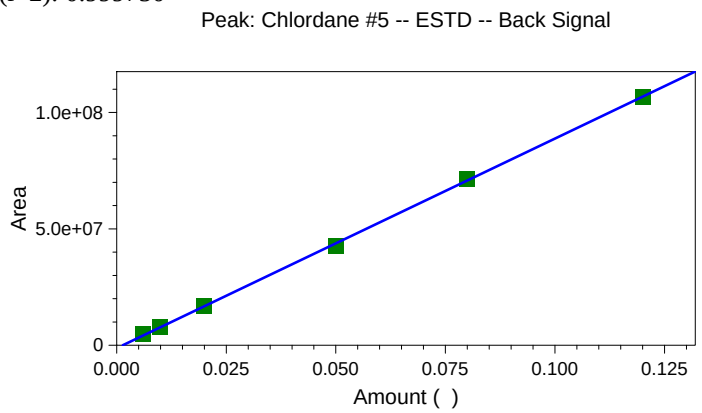
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:29
User: JJY
Instrument: Semi 6

RF	224359041.666667
Last Area Residual	-0.000592489
Rep StDev	
Rep %RSD	
Rep 1 Area	26923085
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:31
User: JJY
Instrument: Semi 6

Chlordane #5 (Back Signal)
Average RF: 8.36613e+008 RF StDev: 5.57583e+007 RF %RSD: 6.66476
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 9.00368e+008x - 1.24290e+006
Goodness of fit (r^2): 0.999750



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	4638510	7646537	16958491	42569766	71359911
RF	773085000	764653700	847924550	851395320	891998887.5
Last Area					
Residual	-0.000532227	0.000126886	-0.000215504	0.00133915	-0.000636837
Rep StDev					
Rep %RSD					
Rep 1 Area	4638510	7646537	16958491	42569766	71359911
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	106874583
RF	890621525

Calibration Report

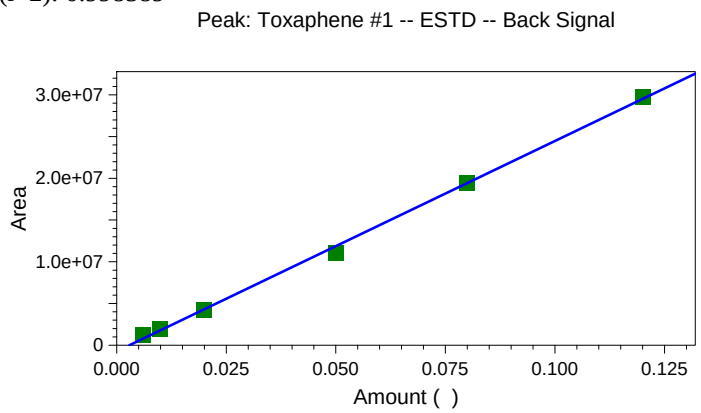
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:31
User: JJY
Instrument: Semi 6

Last Area Residual	-8.14655e-005
Rep StDev	
Rep %RSD	
Rep 1 Area	106874583
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:32
User: JJY
Instrument: Semi 6

Toxaphene #1 (Back Signal)
Average RF: 2.19557e+008 RF StDev: 2.27291e+007 RF %RSD: 10.3523
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 2.52001e+008x - 725516.
Goodness of fit (r^2): 0.998589



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	1188404	1936226	4250074	11072892	19463193
RF	198067333.333333	193622600	212503700	221457840	243289912.5
Last Area Residual	-0.0015949	-0.000562443	0.000255643	0.00318104	-0.000113727
Rep StDev					
Rep %RSD					
Rep 1 Area	1188404	1936226	4250074	11072892	19463193
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	29808292

Calibration Report

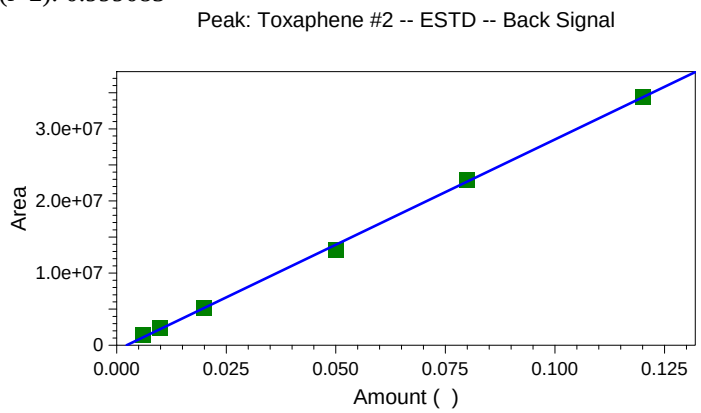
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:32
User: JJY
Instrument: Semi 6

RF	248402433.333333
Last Area Residual	-0.00116561
Rep StDev	
Rep %RSD	
Rep 1 Area	29808292
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:33
User: JJY
Instrument: Semi 6

Toxaphene #2 (Back Signal)
Average RF: 2.61051e+008 RF StDev: 2.32849e+007 RF %RSD: 8.91968
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 2.91807e+008x - 655802.
Goodness of fit (r^2): 0.999085



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	1424056	2332391	5163677	13162093	22951750
RF	237342666.666667	233239100	258183850	263241860	286896875
Last Area Residual	-0.00112751	-0.000240296	5.71161e-005	0.00264719	-0.000901172
Rep StDev					
Rep %RSD					
Rep 1 Area	1424056	2332391	5163677	13162093	22951750
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	34488107

Calibration Report

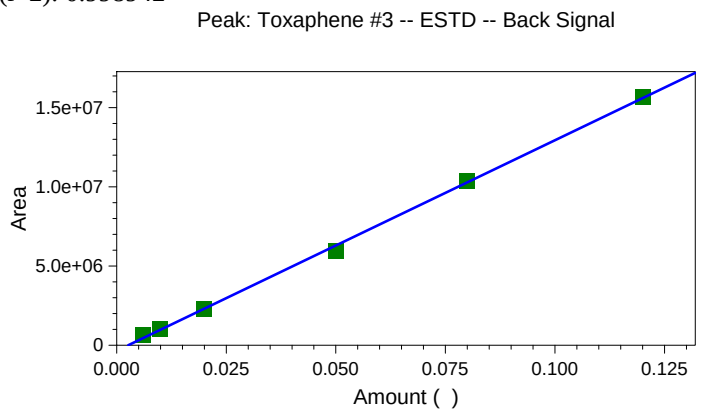
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:33
User: JJY
Instrument: Semi 6

RF	287400891.666667
Last Area Residual	-0.000435335
Rep StDev	
Rep %RSD	
Rep 1 Area	34488107
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:35
User: JJY
Instrument: Semi 6

Toxaphene #3 (Back Signal)
Average RF: 1.16627e+008 RF StDev: 1.21061e+007 RF %RSD: 10.3802
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 1.32943e+008x - 349980.
Goodness of fit (r^2): 0.998942



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	619636	1031972	2292262	5918582	10355097
RF	103272666.666667	103197200	114613100	118371640	129438712.5
Last Area Residual	-0.00129345	-0.000395047	0.000125046	0.00284785	-0.000523635
Rep StDev					
Rep %RSD					
Rep 1 Area	619636	1031972	2292262	5918582	10355097
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	15704353

Calibration Report

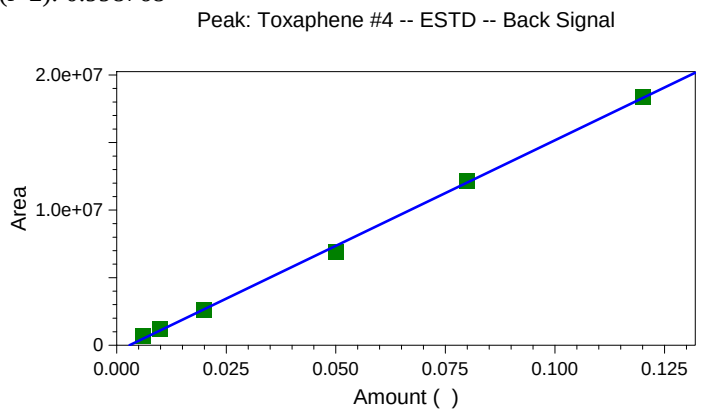
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:35
User: JJY
Instrument: Semi 6

RF	130869608.333333
Last Area Residual	-0.000760763
Rep StDev	
Rep %RSD	
Rep 1 Area	15704353
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:36
User: JJY
Instrument: Semi 6

Toxaphene #4 (Back Signal)
Average RF: 1.34758e+008 RF StDev: 1.59827e+007 RF %RSD: 11.8603
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 1.56235e+008x - 457427.
Goodness of fit (r^2): 0.998768



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	696938	1181989	2628931	6876915	12142346
RF	116156333.333333	118198900	131446550	137538300	151779325
Last Area Residual	-0.00138866	-0.000493292	0.000245368	0.0030556	-0.000646479
Rep StDev					
Rep %RSD					
Rep 1 Area	696938	1181989	2628931	6876915	12142346
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	18411425

Calibration Report

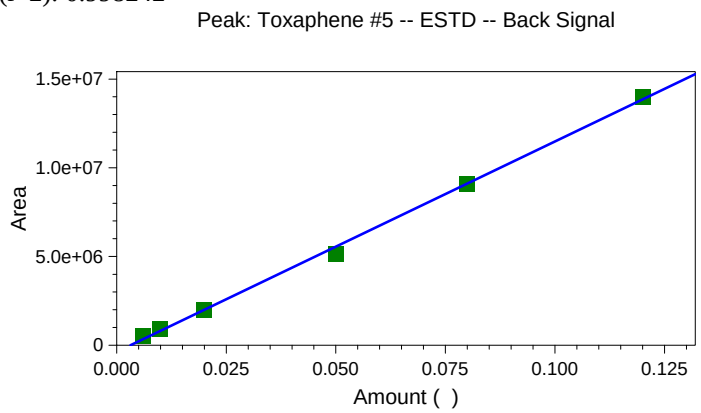
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:36
User: JJY
Instrument: Semi 6

RF	153428541.666667
Last Area Residual	-0.000772533
Rep StDev	
Rep %RSD	
Rep 1 Area	18411425
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:37
User: JJY
Instrument: Semi 6

Toxaphene #5 (Back Signal)
Average RF: 1.01855e+008 RF StDev: 1.17554e+007 RF %RSD: 11.5414
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 1.18543e+008x - 371434.
Goodness of fit (r^2): 0.998242



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.02	0.05	0.08
Area	528207	907169	1981846	5131312	9105581
RF	88034500	90716900	99092300	102626240	113819762.5
Last Area					
Residual	-0.00158914	-0.000785971	0.000148324	0.00358022	5.42855e-005
Rep StDev					
Rep %RSD					
Rep 1 Area	528207	907169	1981846	5131312	9105581
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	0.12
Area	14020616

Calibration Report

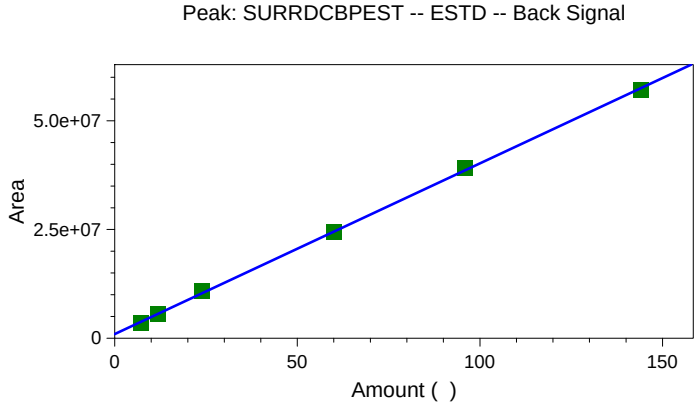
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:37
User: JJY
Instrument: Semi 6

RF	116838466.666667
Last Area Residual	-0.00140771
Rep StDev	
Rep %RSD	
Rep 1 Area	14020616
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Calibration Report

Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:39
User: JJY
Instrument: Semi 6

SURRDCBPEST (Back Signal)
Average RF: 434180. RF StDev: 35908.1 RF %RSD: 8.27034
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 392624.x + 951412.
Goodness of fit (r^2): 0.999727



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	7.2	12	24	60	96
Area	3499861	5504011	10802238	24331948	39113652
RF	486091.8055 55556	458667.583333 333	450093.25	405532.4666666 67	407433.875
Last Area Residual	0.709179	0.404672	-1.08975	0.450507	-1.19803
Rep StDev					
Rep %RSD					
Rep 1 Area	3499861	5504011	10802238	24331948	39113652
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\014.dat	C:\Instarch\Semi6\Data\082213pstic\015.dat	C:\Instarch\Semi6\Data\082213pstic\016.dat	C:\Instarch\Semi6\Data\082213pstic\017.dat	C:\Instarch\Semi6\Data\082213pstic\018.dat
Rep 1 Sample ID	TC ICAL 1 PP3838	TC ICAL 2 PP3839	TC ICAL 3 PP3840	TC ICAL 4 PP3841	TC ICAL 5 PP3842
Rep 1 Calib. Time	Aug 23,2013 10:10:04	Aug 23,2013 10:10:12	Aug 23,2013 10:10:20	Aug 23,2013 10:10:27	Aug 23,2013 10:10:35

	Level 6
Amount	144
Area	57205179

Calibration Report

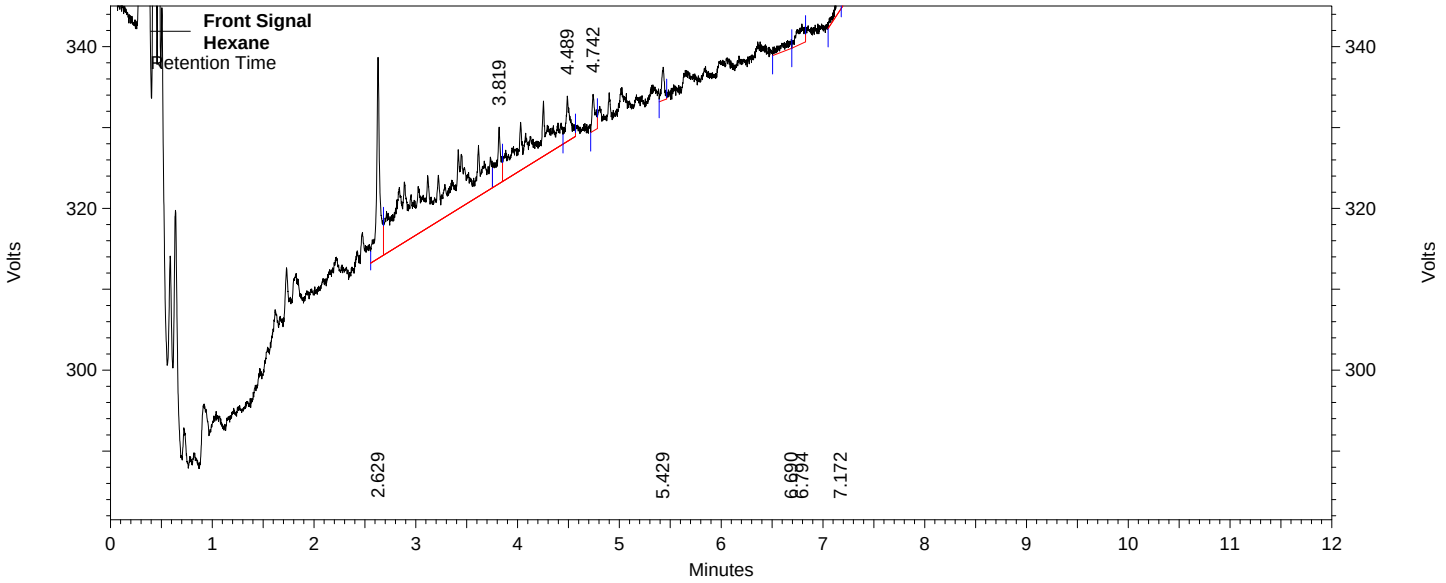
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
Print Time: Aug 28,2013 16:06:39
User: JJY
Instrument: Semi 6

RF	397258.1875
Last Area	
Residual	0.723418
Rep StDev	
Rep %RSD	
Rep 1 Area	57205179
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi6\Data\082213pstic\019.dat
Rep 1 Sample ID	TC ICAL 6 PP3843
Rep 1 Calib. Time	Aug 23,2013 10:10:43

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\013.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Hexane
Acquired: Aug 22,2013 18:50:42
Printed: Aug 28,2013 16:01:23

Data Summary: {Data Description}



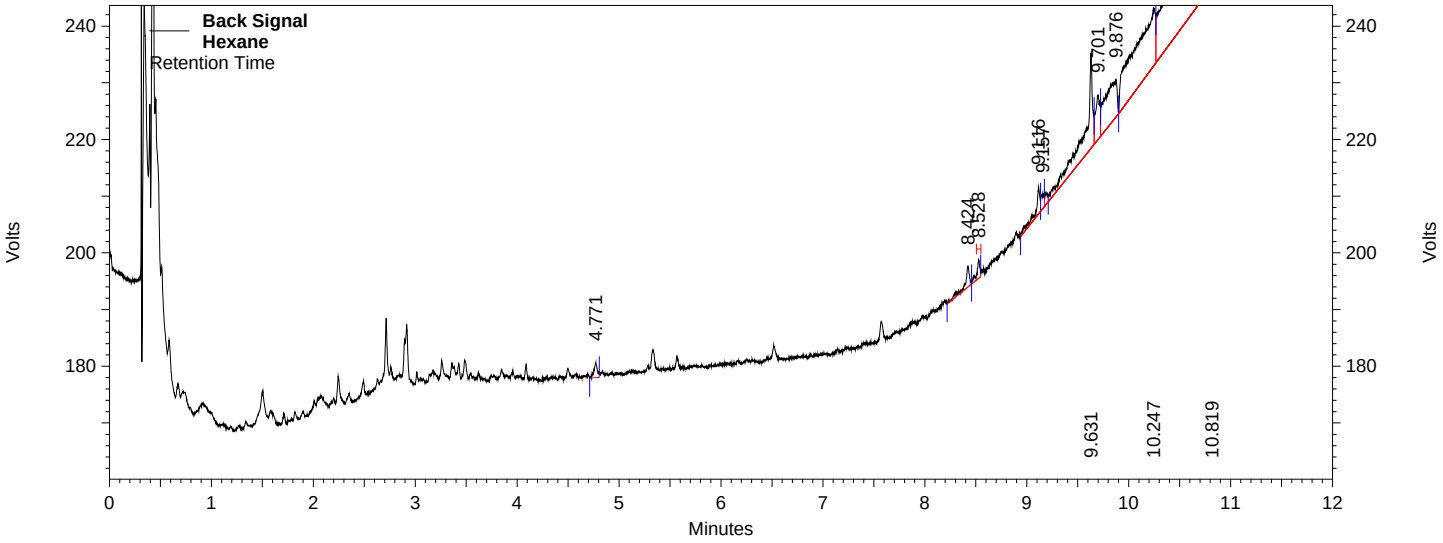
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST			0.0000 BDL
ALPHABHC			0.0000 BDL
LINDANE			0.0000 BDL
BETABHC			0.0000 BDL
DELTABHC			0.0000 BDL
HEPTACHLOR			0.0000 BDL
ALDRIN			0.0000 BDL
HEPTAEPOX			0.0000 BDL
GAMMACHLOR			0.0000 BDL
ALPHACHLOR			0.0000 BDL
44DDE			0.0000 BDL
ENDOI			0.0000 BDL
DIELDRIN			0.0000 BDL
ENDRIN			0.0000 BDL
44DDD			0.0000 BDL
ENDOII			0.0000 BDL
44DDT			0.0000 BDL
ENDRINALDEH			0.0000 BDL
METHOXYCL			0.0000 BDL
ENDOSULFATE			0.0000 BDL
ENDRINKETONE			0.0000 BDL
SURRDCBPEST			0.0000 BDL

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\013.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213pstic.met
User: JJY
Sample ID: Hexane
Acquired: Aug 22,2013 18:50:42
Printed: Aug 28,2013 16:01:23

Data Summary: {Data Description}



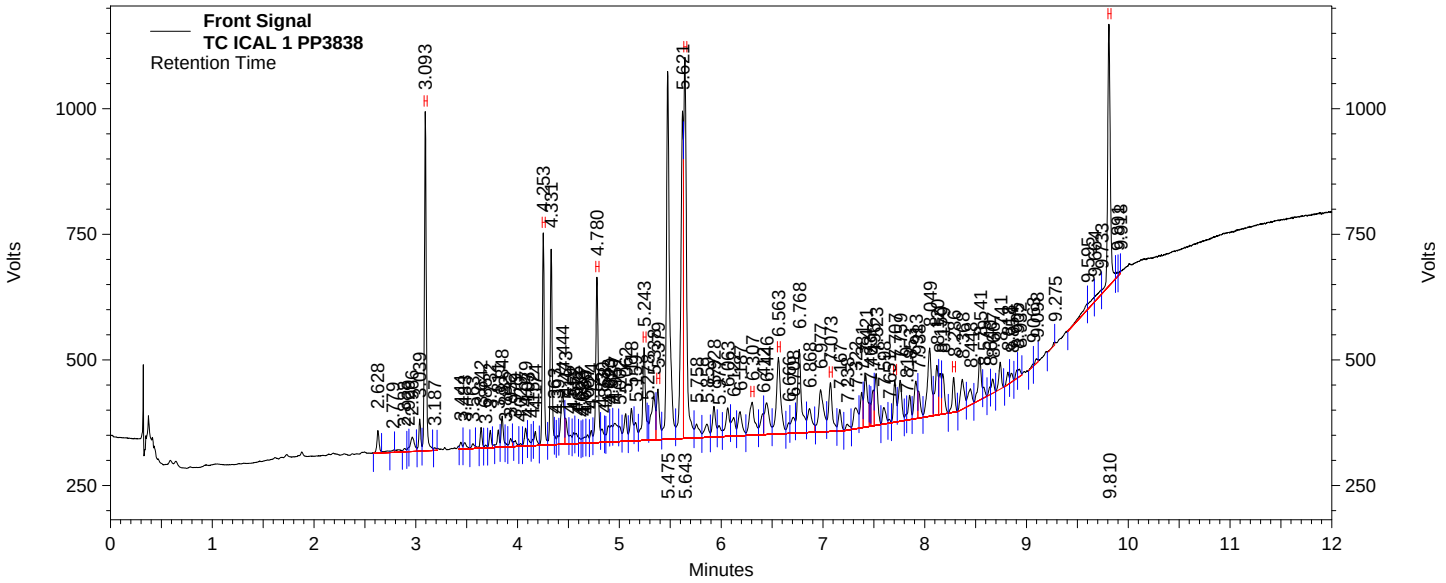
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST			0.0000 BDL
ALPHABHC			0.0000 BDL
LINDANE			0.0000 BDL
BETABHC			0.0000 BDL
DELTABHC			0.0000 BDL
HEPTACHLOR			0.0000 BDL
ALDRIN			0.0000 BDL
HEPTAEPOX			0.0000 BDL
GAMMACHLOR			0.0000 BDL
ALPHACHLOR			0.0000 BDL
ENDOI			0.0000 BDL
44DDE			0.0000 BDL
DIELDRIN			0.0000 BDL
ENDRIN			0.0000 BDL
44DDD			0.0000 BDL
ENDOII			0.0000 BDL
44DDT			0.0000 BDL
ENDRINALDEH	8.528	53064	0.0000
ENDOSULFATE			0.0000 BDL
METHOXYCL			0.0000 BDL
ENDRINKETONE			0.0000 BDL
SURRDCBPEST			0.0000 BDL

Pesticide (TOX/Chlordane) Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\014.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
User: JJY
Sample ID: TC ICAL 1 PP3838
Acquired: Aug 22,2013 19:06:03
Printed: Aug 28,2013 16:01:26

Data Summary: {Data Description}



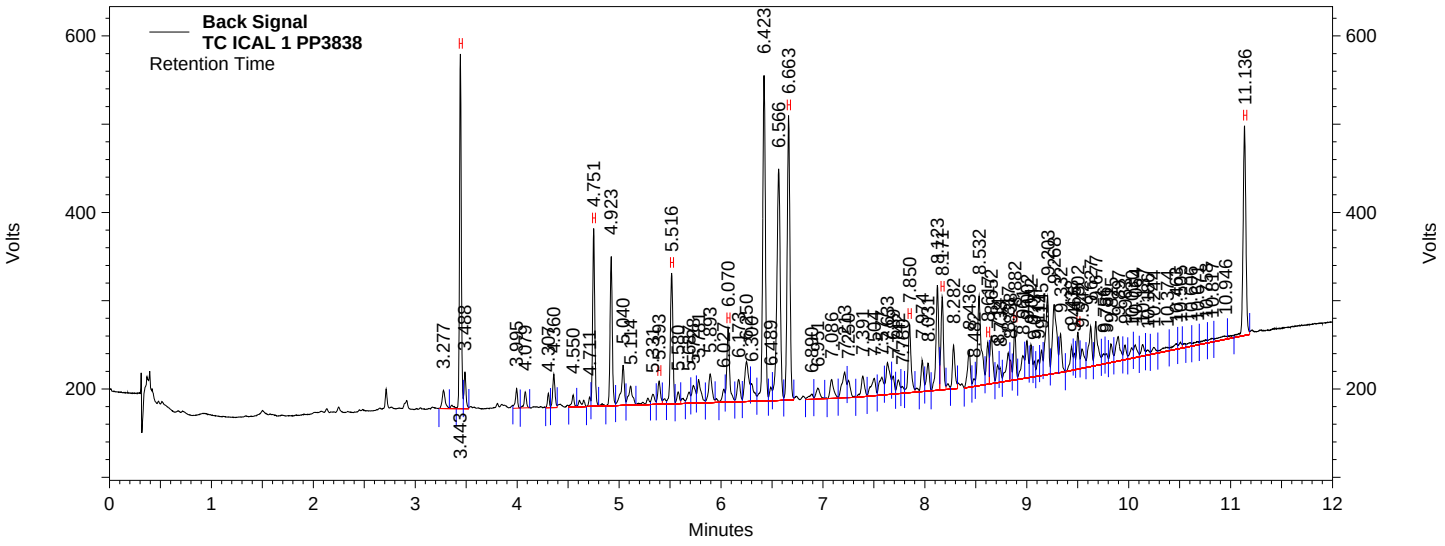
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.093	6644105	7.2000 CAL
Chlordane #1	4.253	4348274	0.0060 CAL
Chlordane #2	4.780	4252555	0.0060 CAL
Chlordane #3	5.243	2762318	0.0060 CAL
Chlordane #4	5.379	1559232	0.0060 CAL
Chlordane #5	5.643	11123488	0.0060 CAL
Toxaphene #1	6.307	1799052	0.0060 CAL
Toxaphene #2	6.563	3497383	0.0060 CAL
Toxaphene #3	7.073	1885728	0.0060 CAL
Toxaphene #4	7.707	1160726	0.0060 CAL
Toxaphene #5	8.286	955786	0.0060 CAL
SURRDCBPEST	9.810	7151453	7.2000 CAL
Chlordane		24045867	0.0300 CAL
Toxaphene		9298675	0.0300 CAL

Pesticide (TOX/Chlordane) Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\014.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
User: JJY
Sample ID: TC ICAL 1 PP3838
Acquired: Aug 22,2013 19:06:03
Printed: Aug 28,2013 16:01:26

Data Summary: {Data Description}



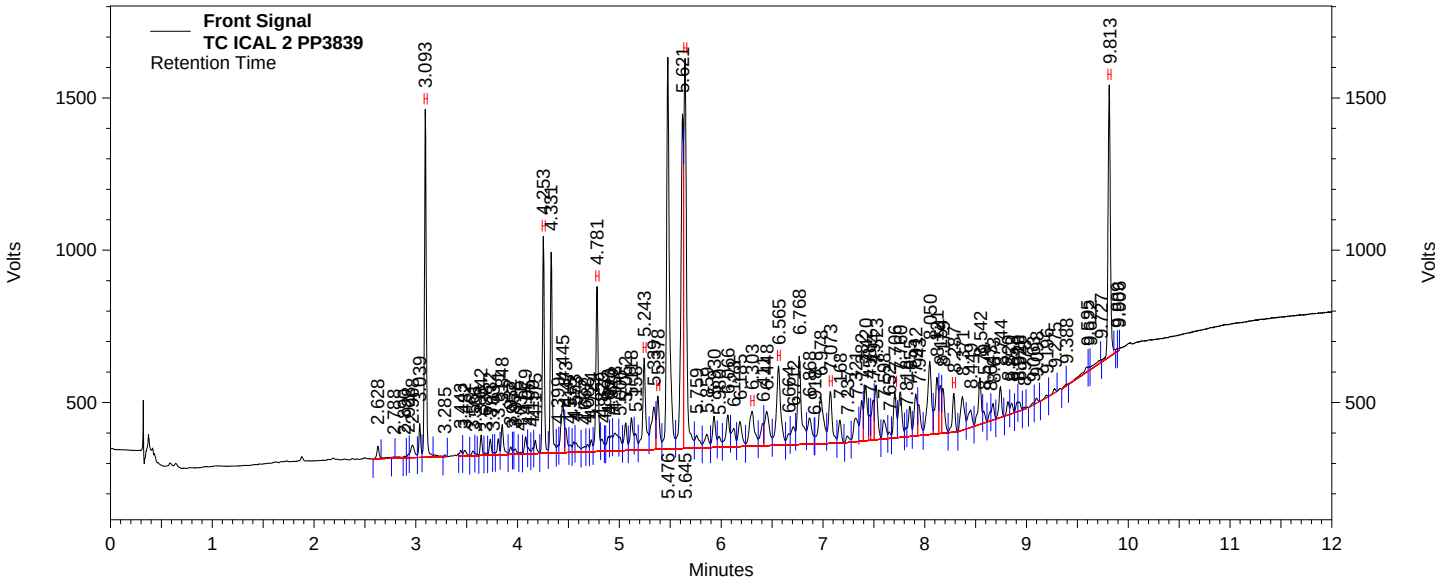
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.443	3698806	7.2000 CAL
Chlordane #1	4.751	2240325	0.0060 CAL
Chlordane #2	5.393	360776	0.0060 CAL
Chlordane #3	5.516	1952486	0.0060 CAL
Chlordane #4	6.070	1219296	0.0060 CAL
Chlordane #5	6.663	4638510	0.0060 CAL
Toxaphene #1	7.850	1188404	0.0060 CAL
Toxaphene #2	8.171	1424056	0.0060 CAL
Toxaphene #3	8.617	619636	0.0060 CAL
Toxaphene #4	8.882	696938	0.0060 CAL
Toxaphene #5	9.502	528207	0.0060 CAL
SURRDCBPEST	11.136	3499861	7.2000 CAL
Chlordane		10411393	0.0300 CAL
Toxaphene		4457241	0.0300 CAL

Pesticide (TOX/Chlordane) Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\015.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
User: JJY
Sample ID: TC ICAL 2 PP3839
Acquired: Aug 22,2013 19:21:23
Printed: Aug 28,2013 16:01:28

Data Summary: {Data Description}



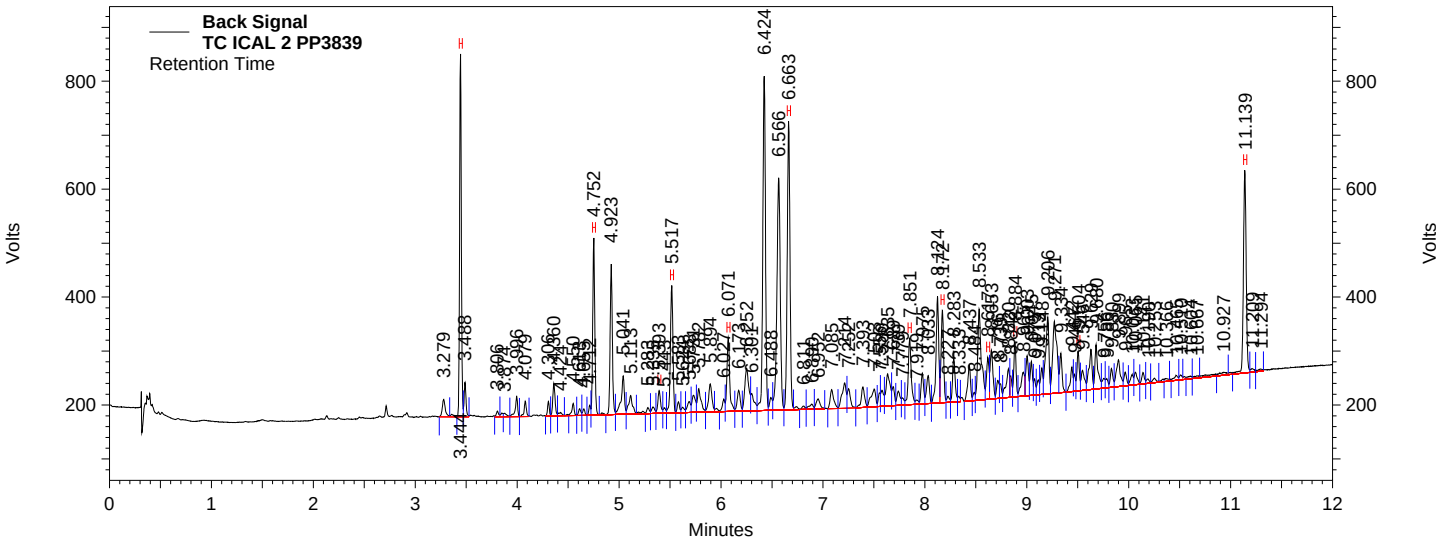
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.093	10914802	12.0000 CAL
Chlordane #1	4.253	7104106	0.0100 CAL
Chlordane #2	4.781	6762218	0.0100 CAL
Chlordane #3	5.243	4914505	0.0100 CAL
Chlordane #4	5.378	2671666	0.0100 CAL
Chlordane #5	5.645	17934337	0.0100 CAL
Toxaphene #1	6.303	3110040	0.0100 CAL
Toxaphene #2	6.565	5808660	0.0100 CAL
Toxaphene #3	7.073	3274316	0.0100 CAL
Toxaphene #4	7.706	2222911	0.0100 CAL
Toxaphene #5	8.287	1807630	0.0100 CAL
SURRDCBPEST	9.813	10944272	12.0000 CAL
Chlordane		39386832	0.0500 CAL
Toxaphene		16223557	0.0500 CAL

Pesticide (TOX/Chlordane) Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\015.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
User: JJY
Sample ID: TC ICAL 2 PP3839
Acquired: Aug 22,2013 19:21:23
Printed: Aug 28,2013 16:01:28

Data Summary: {Data Description}



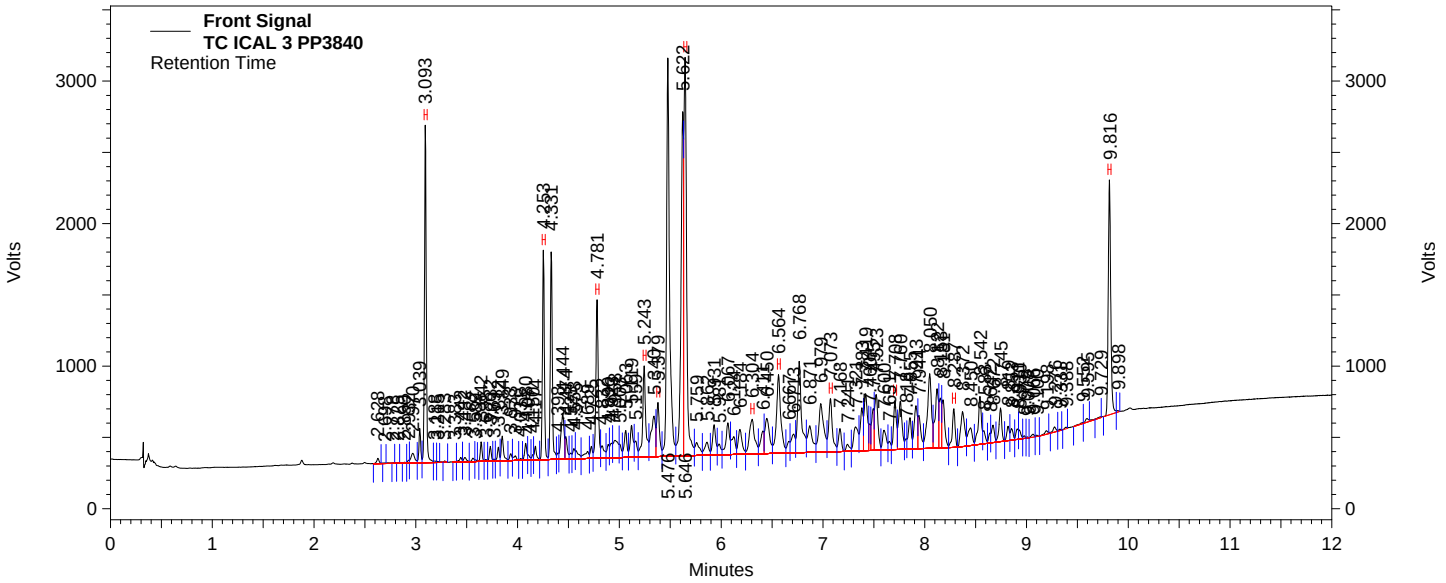
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.444	6106593	12.0000 CAL
Chlordane #1	4.752	3585685	0.0100 CAL
Chlordane #2	5.393	597938	0.0100 CAL
Chlordane #3	5.517	3101175	0.0100 CAL
Chlordane #4	6.071	1989206	0.0100 CAL
Chlordane #5	6.663	7646537	0.0100 CAL
Toxaphene #1	7.851	1936226	0.0100 CAL
Toxaphene #2	8.172	2332391	0.0100 CAL
Toxaphene #3	8.617	1031972	0.0100 CAL
Toxaphene #4	8.884	1181989	0.0100 CAL
Toxaphene #5	9.504	907169	0.0100 CAL
SURRDCBPEST	11.139	5504011	12.0000 CAL
Chlordane		16920541	0.0500 CAL
Toxaphene		7389747	0.0500 CAL

Pesticide (TOX/Chlordane) Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\016.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
User: JJY
Sample ID: TC ICAL 3 PP3840
Acquired: Aug 22,2013 19:36:51
Printed: Aug 28,2013 16:01:30

Data Summary: {Data Description}



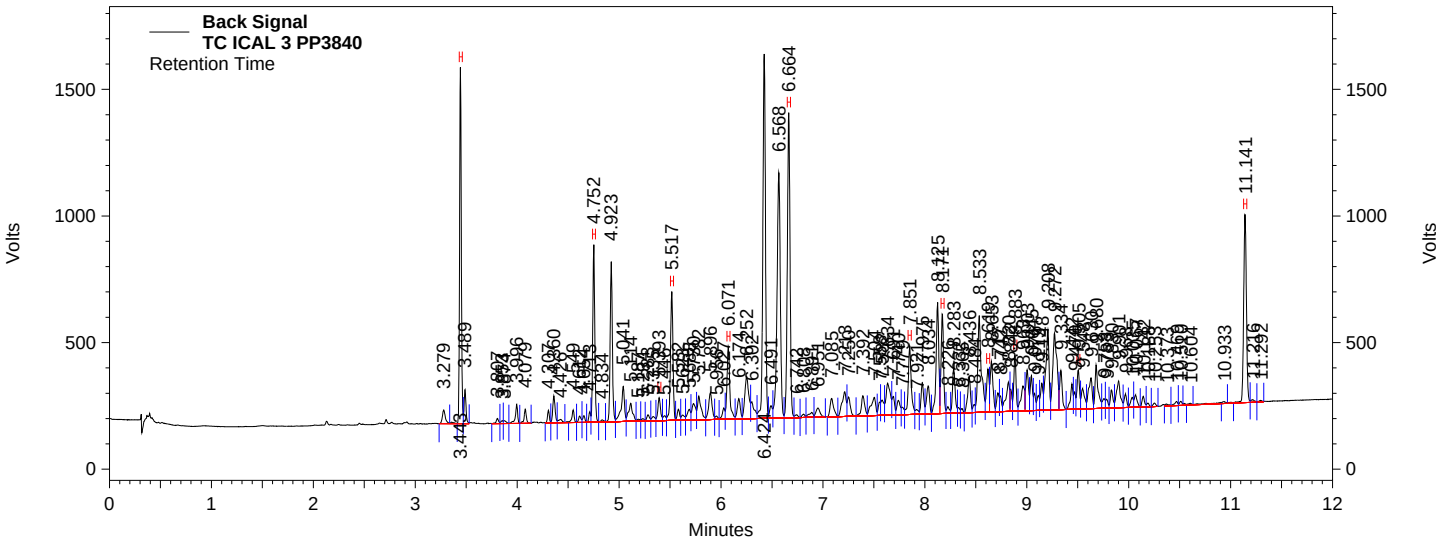
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.093	22467367	24.0000 CAL
Chlordane #1	4.253	14755190	0.0200 CAL
Chlordane #2	4.781	14082334	0.0200 CAL
Chlordane #3	5.243	10273945	0.0200 CAL
Chlordane #4	5.379	5732238	0.0200 CAL
Chlordane #5	5.646	40726074	0.0200 CAL
Toxaphene #1	6.304	6777336	0.0200 CAL
Toxaphene #2	6.564	12679862	0.0200 CAL
Toxaphene #3	7.073	7205522	0.0200 CAL
Toxaphene #4	7.708	5096410	0.0200 CAL
Toxaphene #5	8.287	3903392	0.0200 CAL
SURRDCBPEST	9.816	21497464	24.0000 CAL
Chlordane		85569781	0.1000 CAL
Toxaphene		35662522	0.1000 CAL

Pesticide (TOX/Chlordane) Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\016.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
User: JJY
Sample ID: TC ICAL 3 PP3840
Acquired: Aug 22,2013 19:36:51
Printed: Aug 28,2013 16:01:30

Data Summary: {Data Description}



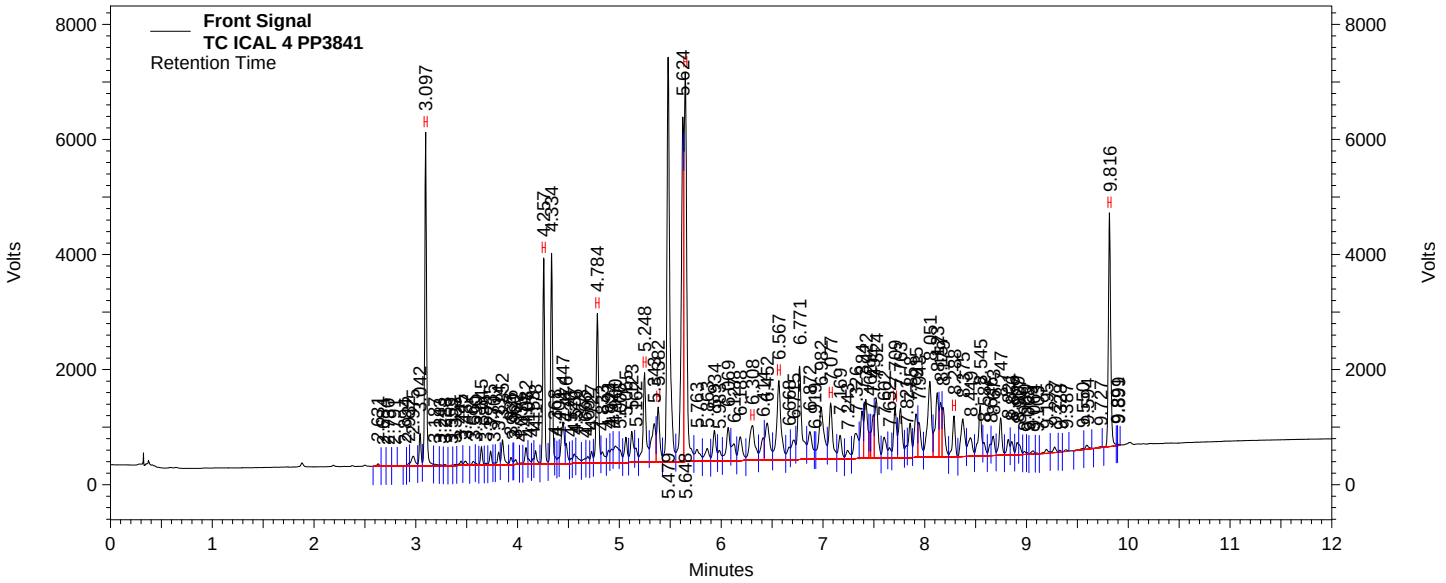
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.443	12595322	24.0000 CAL
Chlordane #1	4.752	7443854	0.0200 CAL
Chlordane #2	5.393	1255208	0.0200 CAL
Chlordane #3	5.517	6575762	0.0200 CAL
Chlordane #4	6.071	4235330	0.0200 CAL
Chlordane #5	6.664	16958491	0.0200 CAL
Toxaphene #1	7.851	4250074	0.0200 CAL
Toxaphene #2	8.171	5163677	0.0200 CAL
Toxaphene #3	8.619	2292262	0.0200 CAL
Toxaphene #4	8.883	2628931	0.0200 CAL
Toxaphene #5	9.505	1981846	0.0200 CAL
SURRDCBPEST	11.141	10802238	24.0000 CAL
Chlordane		36468645	0.1000 CAL
Toxaphene		16316790	0.1000 CAL

Pesticide (TOX/Chlordane) Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\017.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
User: JJY
Sample ID: TC ICAL 4 PP3841
Acquired: Aug 22,2013 19:52:24
Printed: Aug 28,2013 16:01:32

Data Summary: {Data Description}



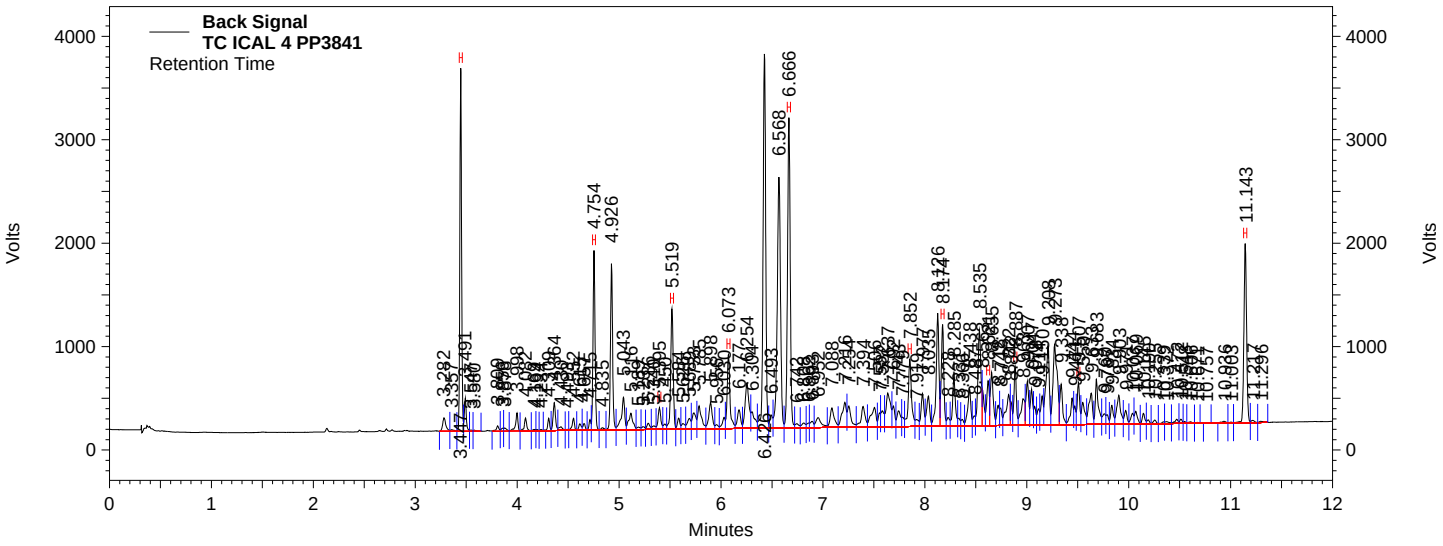
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.097	54663105	60.0000 CAL
Chlordane #1	4.257	35946721	0.0500 CAL
Chlordane #2	4.784	32295109	0.0500 CAL
Chlordane #3	5.248	24221530	0.0500 CAL
Chlordane #4	5.382	14341753	0.0500 CAL
Chlordane #5	5.648	92969953	0.0500 CAL
Toxaphene #1	6.308	17170868	0.0500 CAL
Toxaphene #2	6.567	31032920	0.0500 CAL
Toxaphene #3	7.077	18364266	0.0500 CAL
Toxaphene #4	7.709	13410445	0.0500 CAL
Toxaphene #5	8.288	10078687	0.0500 CAL
SURRDCBPEST	9.816	49126277	60.0000 CAL
Chlordane		199775066	0.2500 CAL
Toxaphene		90057186	0.2500 CAL

Pesticide (TOX/Chlordane) Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\017.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
User: JJY
Sample ID: TC ICAL 4 PP3841
Acquired: Aug 22,2013 19:52:24
Printed: Aug 28,2013 16:01:32

Data Summary: {Data Description}



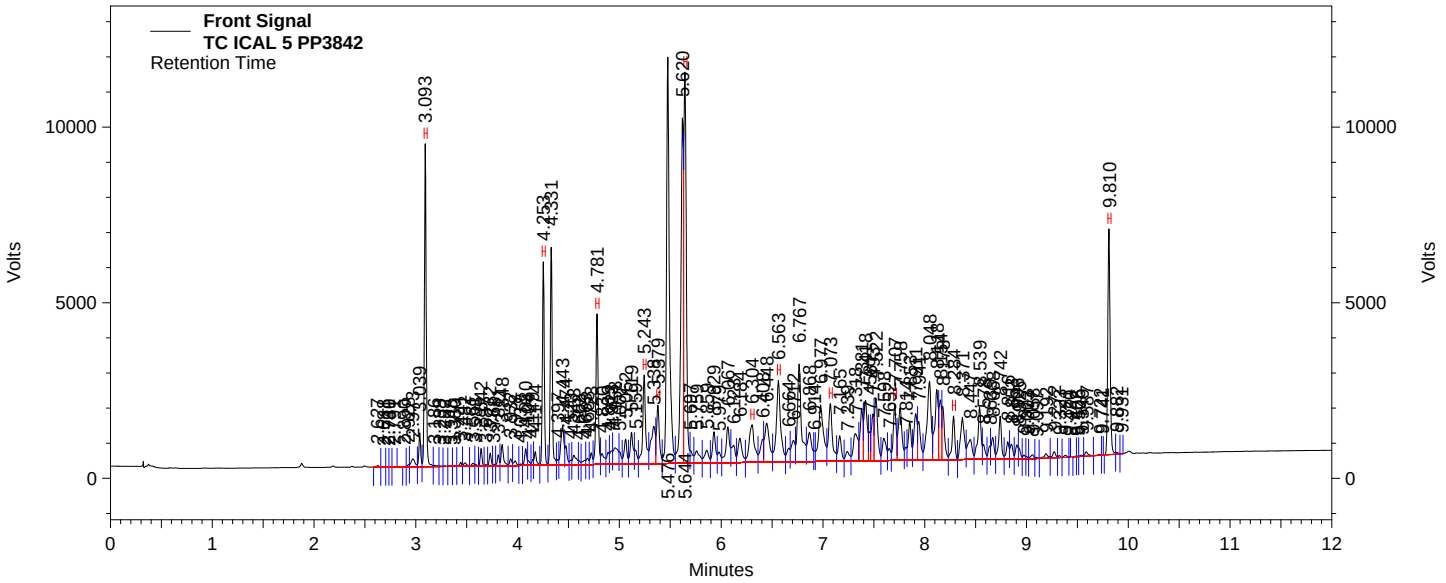
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.447	31154466	60.0000 CAL
Chlordane #1	4.754	18444104	0.0500 CAL
Chlordane #2	5.395	3002700	0.0500 CAL
Chlordane #3	5.519	15279342	0.0500 CAL
Chlordane #4	6.073	10549005	0.0500 CAL
Chlordane #5	6.666	42569766	0.0500 CAL
Toxaphene #1	7.852	11072892	0.0500 CAL
Toxaphene #2	8.174	13162093	0.0500 CAL
Toxaphene #3	8.621	5918582	0.0500 CAL
Toxaphene #4	8.887	6876915	0.0500 CAL
Toxaphene #5	9.507	5131312	0.0500 CAL
SURRDCBPEST	11.143	24331948	60.0000 CAL
Chlordane		89844917	0.2500 CAL
Toxaphene		42161794	0.2500 CAL

Pesticide (TOX/Chlordane) Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\018.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
User: JJY
Sample ID: TC ICAL 5 PP3842
Acquired: Aug 22,2013 20:07:46
Printed: Aug 28,2013 16:01:34

Data Summary: {Data Description}



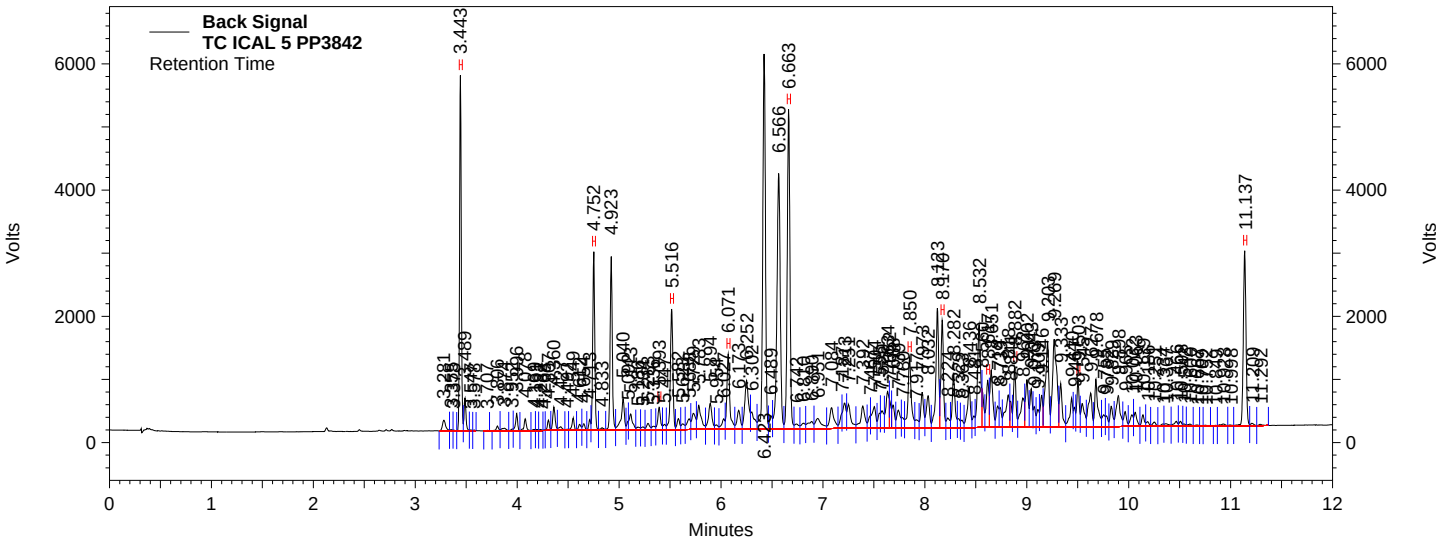
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.093	86442534	96.0000 CAL
Chlordane #1	4.253	57479471	0.0800 CAL
Chlordane #2	4.781	52170366	0.0800 CAL
Chlordane #3	5.243	38871063	0.0800 CAL
Chlordane #4	5.379	24665102	0.0800 CAL
Chlordane #5	5.644	146507145	0.0800 CAL
Toxaphene #1	6.304	29895446	0.0800 CAL
Toxaphene #2	6.563	52604611	0.0800 CAL
Toxaphene #3	7.073	32555907	0.0800 CAL
Toxaphene #4	7.707	23753495	0.0800 CAL
Toxaphene #5	8.284	18021707	0.0800 CAL
SURRDCBPEST	9.810	78469402	96.0000 CAL
Chlordane		319693147	0.4000 CAL
Toxaphene		156831166	0.4000 CAL

Pesticide (TOX/Chlordane) Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\018.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
User: JJY
Sample ID: TC ICAL 5 PP3842
Acquired: Aug 22,2013 20:07:46
Printed: Aug 28,2013 16:01:34

Data Summary: {Data Description}



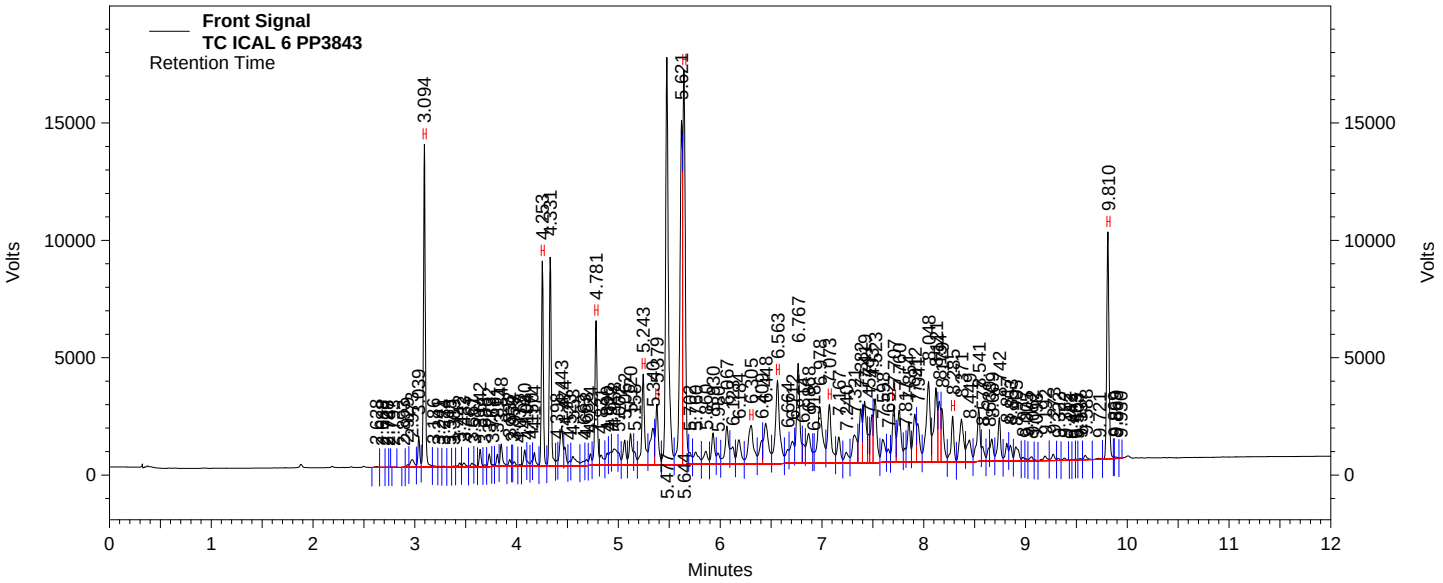
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.443	50078879	96.0000 CAL
Chlordane #1	4.752	29897075	0.0800 CAL
Chlordane #2	5.393	5036301	0.0800 CAL
Chlordane #3	5.516	25197660	0.0800 CAL
Chlordane #4	6.071	17795790	0.0800 CAL
Chlordane #5	6.663	71359911	0.0800 CAL
Toxaphene #1	7.850	19463193	0.0800 CAL
Toxaphene #2	8.170	22951750	0.0800 CAL
Toxaphene #3	8.617	10355097	0.0800 CAL
Toxaphene #4	8.882	12142346	0.0800 CAL
Toxaphene #5	9.503	9105581	0.0800 CAL
SURRDCBPEST	11.137	39113652	96.0000 CAL
Chlordane		149286737	0.4000 CAL
Toxaphene		74017967	0.4000 CAL

Pesticide (TOX/Chlordane) Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\019.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
User: JJY
Sample ID: TC ICAL 6 PP3843
Acquired: Aug 22,2013 20:23:07
Printed: Aug 28,2013 16:01:35

Data Summary: {Data Description}



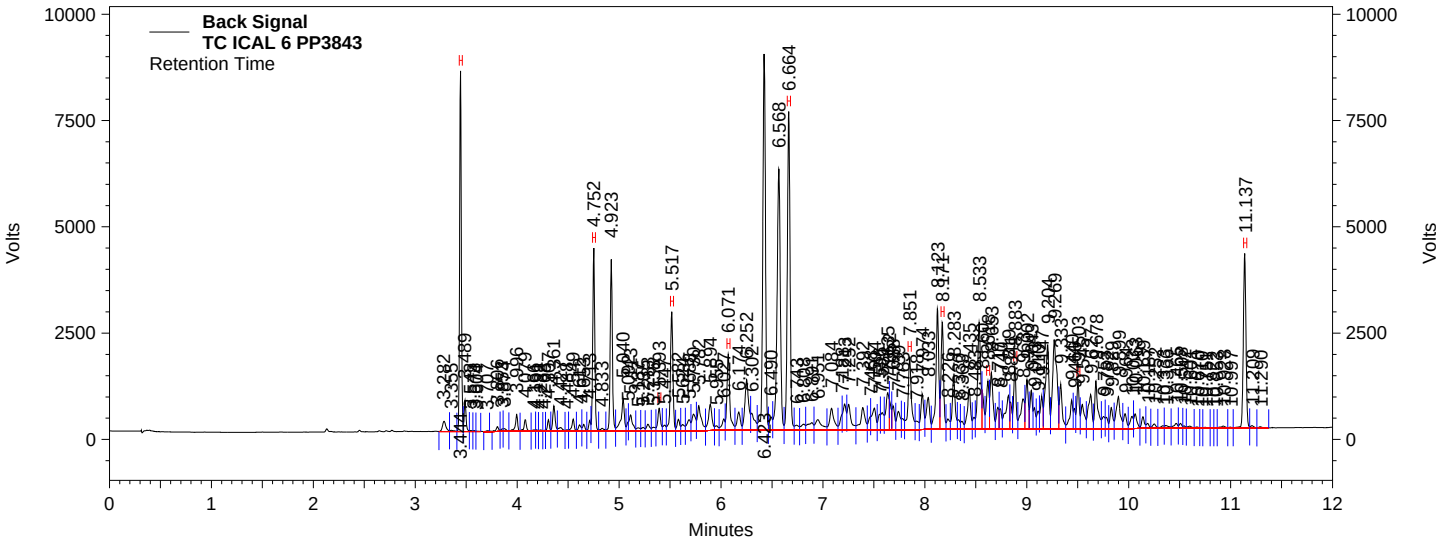
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.094	129824667	144.0000 CAL
Chlordane #1	4.253	86397289	0.1200 CAL
Chlordane #2	4.781	75557148	0.1200 CAL
Chlordane #3	5.243	58807915	0.1200 CAL
Chlordane #4	5.379	38257713	0.1200 CAL
Chlordane #5	5.644	217811179	0.1200 CAL
Toxaphene #1	6.305	46136008	0.1200 CAL
Toxaphene #2	6.563	79122268	0.1200 CAL
Toxaphene #3	7.073	49114883	0.1200 CAL
Toxaphene #4	7.707	36622175	0.1200 CAL
Toxaphene #5	8.285	28397270	0.1200 CAL
SURRDCBPEST	9.810	114345814	144.0000 CAL
Chlordane		476831244	0.6000 CAL
Toxaphene		239392604	0.6000 CAL

Pesticide (TOX/Chlordane) Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\019.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
User: JJY
Sample ID: TC ICAL 6 PP3843
Acquired: Aug 22,2013 20:23:07
Printed: Aug 28,2013 16:01:35

Data Summary: {Data Description}



Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.444	75104333	144.0000 CAL
Chlordane #1	4.752	45688048	0.1200 CAL
Chlordane #2	5.393	7459891	0.1200 CAL
Chlordane #3	5.517	36643232	0.1200 CAL
Chlordane #4	6.071	26923085	0.1200 CAL
Chlordane #5	6.664	106874583	0.1200 CAL
Toxaphene #1	7.851	29808292	0.1200 CAL
Toxaphene #2	8.171	34488107	0.1200 CAL
Toxaphene #3	8.618	15704353	0.1200 CAL
Toxaphene #4	8.883	18411425	0.1200 CAL
Toxaphene #5	9.503	14020616	0.1200 CAL
SURRDCBPEST	11.137	57205179	144.0000 CAL
Chlordane		223588839	0.6000 CAL
Toxaphene		112432793	0.6000 CAL

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082213pstic.seq
User : JJY
Printed : Aug 28,2013 16:01:38

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082213pstic\020.dat	TC ICV PP3844	Aug 28,2013 16:01:38

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	60.000	60.687	1.145	20.000	Passed
Chlordane #1	0.050	0.052	4.121	20.000	Passed
Chlordane #2	0.050	0.055	10.071	20.000	Passed
Chlordane #3	0.050	0.051	2.898	20.000	Passed
Chlordane #4	0.050	0.053	6.096	20.000	Passed
Chlordane #5	0.050	0.056	12.014	20.000	Passed
Toxaphene #1	0.050	0.051	1.536	20.000	Passed
Toxaphene #2	0.050	0.052	3.338	20.000	Passed
Toxaphene #3	0.050	0.051	1.366	20.000	Passed
Toxaphene #4	0.050	0.050	0.952	20.000	Passed
Toxaphene #5	0.050	0.048	4.270	20.000	Passed
SURRDCBPEST	60.000	61.688	2.813	20.000	Passed
Chlordane	0.250	0.268	7.040	20.000	Passed
Toxaphene	0.250	0.251	0.204	20.000	Passed

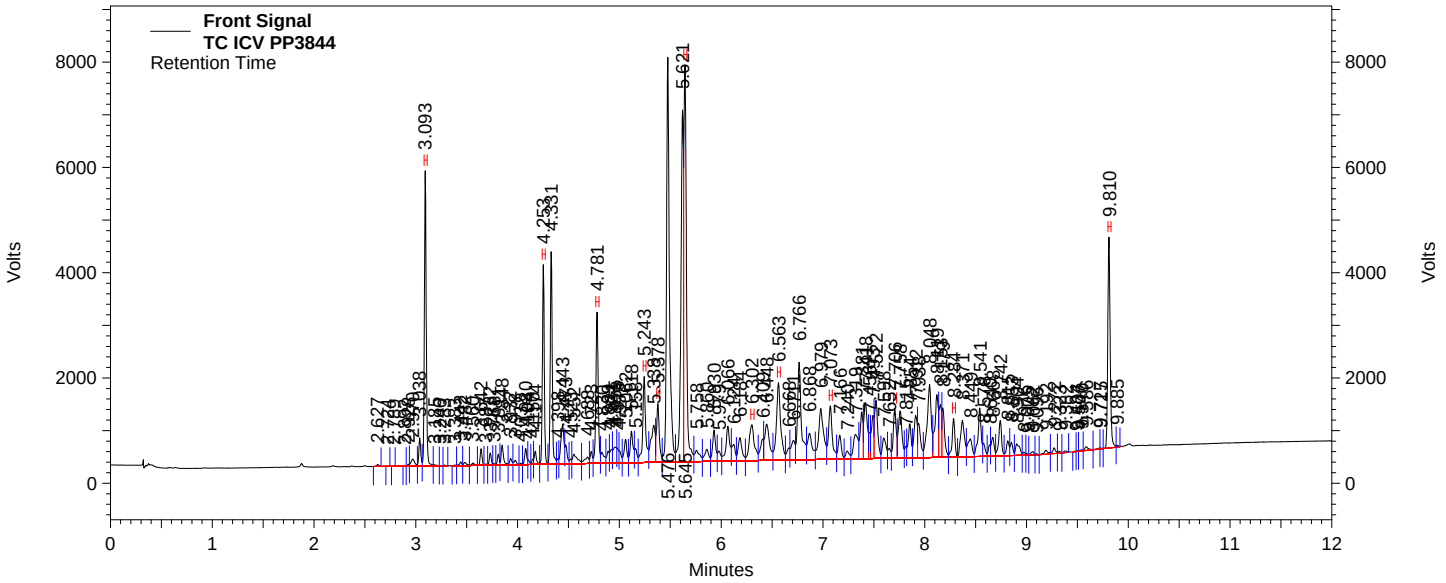
Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	60.000	60.275	0.459	20.000	Passed
Chlordane #1	0.050	0.051	2.734	20.000	Passed
Chlordane #2	0.050	0.053	6.531	20.000	Passed
Chlordane #3	0.050	0.055	10.374	20.000	Passed
Chlordane #4	0.050	0.051	1.662	20.000	Passed
Chlordane #5	0.050	0.053	6.943	20.000	Passed
Toxaphene #1	0.050	0.052	3.456	20.000	Passed
Toxaphene #2	0.050	0.051	1.808	20.000	Passed
Toxaphene #3	0.050	0.050	0.764	20.000	Passed
Toxaphene #4	0.050	0.050	0.901	20.000	Passed
Toxaphene #5	0.050	0.050	0.749	20.000	Passed
SURRDCBPEST	60.000	61.164	1.939	20.000	Passed
Chlordane	0.250	0.264	5.649	20.000	Passed
Toxaphene	0.250	0.254	1.535	20.000	Passed

Pesticide (TOX/Chlordane) Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082213pstic\020.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
User: JJY
Sample ID: TC ICV PP3844
Acquired: Aug 22,2013 20:38:28
Printed: Aug 28,2013 16:01:37

Data Summary: {Data Description}



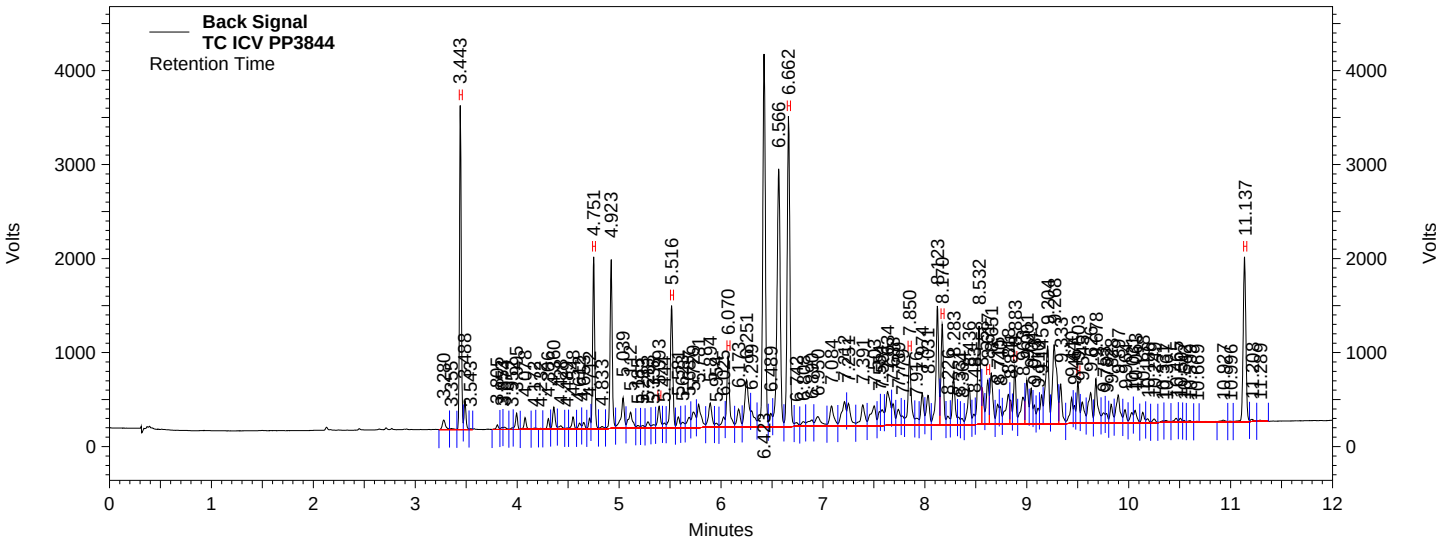
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.093	54959995	60.6872
Chlordane #1	4.253	37497067	0.0521
Chlordane #2	4.781	35479650	0.0550
Chlordane #3	5.243	25155490	0.0514
Chlordane #4	5.378	16264694	0.0530
Chlordane #5	5.645	102920919	0.0560
Toxaphene #1	6.302	18686463	0.0508
Toxaphene #2	6.563	33450759	0.0517
Toxaphene #3	7.073	19988877	0.0507
Toxaphene #4	7.706	14289054	0.0495
Toxaphene #5	8.284	10574904	0.0479
SURRDCBPEST	9.810	50447595	61.6877
Chlordane		217317820	0.2676
Toxaphene		96990057	0.2505

Pesticide (TOX/Chlordane) Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082213pstic\020.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082213tcic.met
User: JJY
Sample ID: TC ICV PP3844
Acquired: Aug 22,2013 20:38:28
Printed: Aug 28,2013 16:01:37

Data Summary: {Data Description}



Back Signal Results

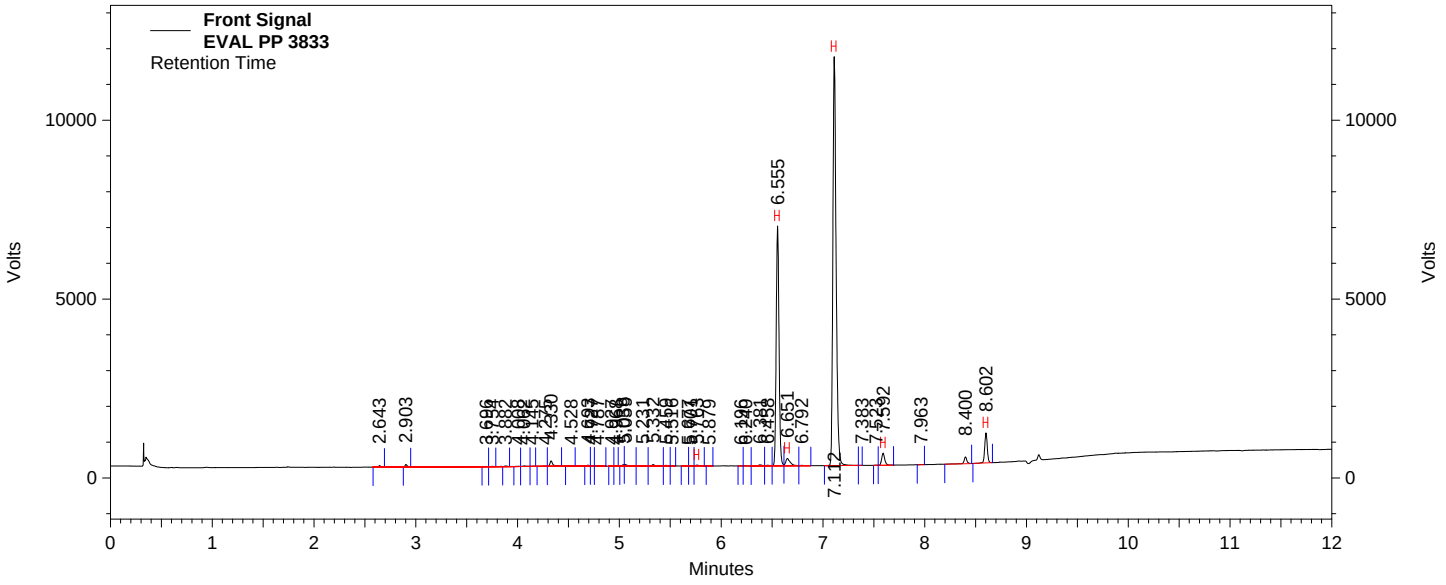
Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.443	31395146	60.2753
Chlordane #1	4.751	19290301	0.0514
Chlordane #2	5.393	3301762	0.0533
Chlordane #3	5.516	17091855	0.0552
Chlordane #4	6.070	11166691	0.0508
Chlordane #5	6.662	46901029	0.0535
Toxaphene #1	7.850	12309917	0.0517
Toxaphene #2	8.170	14198427	0.0509
Toxaphene #3	8.617	6347974	0.0504
Toxaphene #4	8.883	7424666	0.0505
Toxaphene #5	9.503	5600091	0.0504
SURRDCBPEST	11.137	24965707	61.1637
Chlordane		97751638	0.2641
Toxaphene		45881075	0.2538

PESTICIDE
CONTINUING AND ENDING STANDARDS
DOCUMENTS

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\001.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\eval.met
User: JJY
Sample ID: EVAL PP 3833
Acquired: Aug 23,2013 10:22:14
Printed: Aug 23,2013 16:43:51

Data Summary: Breakdown A: Endrin 14.5%, DDT 2.7%
B: Endrin 14.1%, DDT 2.4%



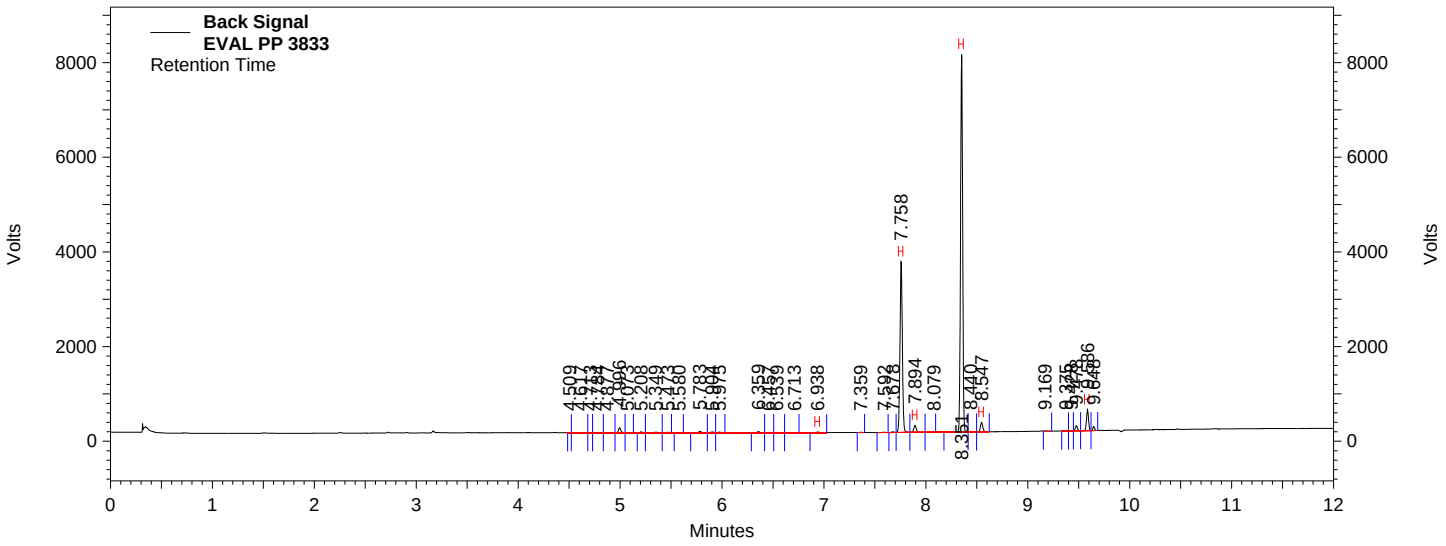
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
44DDE	5.763	509491	0.0005
ENDRIN	6.555	98216474	0.0550
44DDD	6.651	4860539	0.0030
44DDT	7.112	194965021	0.1104
ENDRINALDEH	7.592	5526538	0.0034
ENDRINKETONE	8.602	11172154	0.0048

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\001.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\eval.met
User: JJY
Sample ID: EVAL PP 3833
Acquired: Aug 23,2013 10:22:14
Printed: Aug 23,2013 16:43:51

Data Summary: **Breakdown A: Endrin 14.5%, DDT 2.7%**
B: Endrin 14.1%, DDT 2.4%



Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
44DDE	6.938	234375	0.0004
ENDRIN	7.758	44825512	0.0345
44DDD	7.894	1929586	0.0017
44DDT	8.351	86780669	0.0755
ENDRINALDEH	8.547	2542153	0.0023
ENDRINKETONE	9.586	4837660	0.0031

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 23,2013 16:44:14

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082313pst\004.dat	Pest CCV PP3854	Aug 23,2013 16:44:14

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	100.000	100.918	0.918	20.000	Passed
ALPHABHC	0.040	0.044	8.950	20.000	Passed
LINDANE	0.040	0.044	9.909	20.000	Passed
BETABHC	0.040	0.044	10.264	20.000	Passed
DELTABHC	0.040	0.044	9.970	20.000	Passed
HEPTACHLOR	0.040	0.045	11.366	20.000	Passed
ALDRIN	0.040	0.043	6.426	20.000	Passed
HEPTAEPOX	0.040	0.044	9.265	20.000	Passed
GAMMACHLOR	0.040	0.044	9.645	20.000	Passed
ALPHACHLOR	0.040	0.043	8.730	20.000	Passed
44DDE	0.040	0.042	5.653	20.000	Passed
ENDOI	0.040	0.043	7.928	20.000	Passed
DIELDRIN	0.040	0.044	9.190	20.000	Passed
ENDRIN	0.040	0.047	18.361	20.000	Passed
44DDD	0.040	0.044	10.960	20.000	Passed
ENDOII	0.040	0.044	10.488	20.000	Passed
44DDT	0.040	0.046	14.498	20.000	Passed
ENDRINALDEH	0.040	0.045	11.810	20.000	Passed
METHOXYCL	0.040	0.047	16.501	20.000	Passed
ENDOSULFATE	0.040	0.044	10.263	20.000	Passed
ENDRINKETONE	0.040	0.044	9.683	20.000	Passed
SURRDCBPEST	100.000	104.488	4.488	20.000	Passed

Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	100.000	101.095	1.095	20.000	Passed
ALPHABHC	0.040	0.044	10.653	20.000	Passed
LINDANE	0.040	0.045	13.314	20.000	Passed
BETABHC	0.040	0.045	11.956	20.000	Passed
DELTABHC	0.040	0.044	11.030	20.000	Passed
HEPTACHLOR	0.040	0.046	15.187	20.000	Passed
ALDRIN	0.040	0.043	8.521	20.000	Passed
HEPTAEPOX	0.040	0.044	10.639	20.000	Passed
GAMMACHLOR	0.040	0.045	11.709	20.000	Passed
ALPHACHLOR	0.040	0.044	10.416	20.000	Passed
ENDOI	0.040	0.044	10.820	20.000	Passed
44DDE	0.040	0.042	5.397	20.000	Passed
DIELDRIN	0.040	0.044	10.622	20.000	Passed
ENDRIN	0.040	0.047	18.656	20.000	Passed
44DDD	0.040	0.045	12.195	20.000	Passed
ENDOII	0.040	0.045	12.192	20.000	Passed
44DDT	0.040	0.046	15.380	20.000	Passed
ENDRINALDEH	0.040	0.045	12.866	20.000	Passed
ENDOSULFATE	0.040	0.045	11.882	20.000	Passed
METHOXYCL	0.040	0.046	14.552	20.000	Passed

QC Check Standard Report

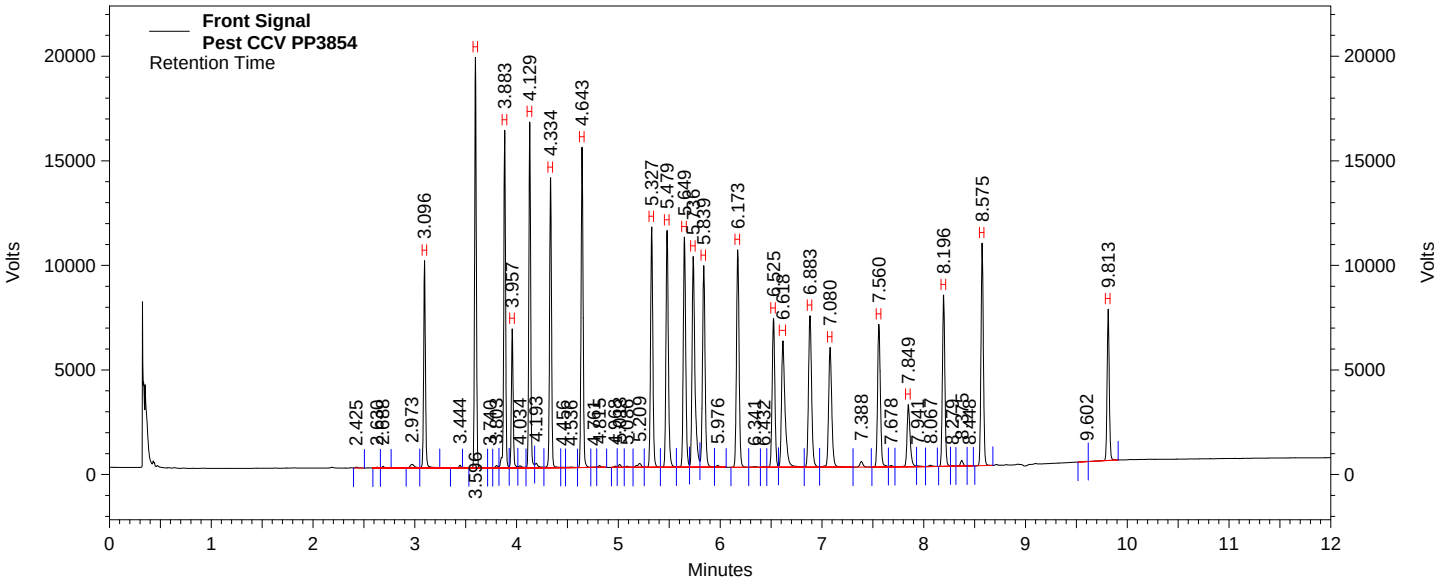
Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 23,2013 16:44:14

ENDRINKETONE	0.040	0.045	11.612	20.000	**Passed**
SURRDCBPEST	100.000	103.672	3.672	20.000	**Passed**

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\004.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: Pest CCV PP3854
Acquired: Aug 23,2013 11:08:19
Printed: Aug 23,2013 16:44:13

Data Summary: {Data Description}



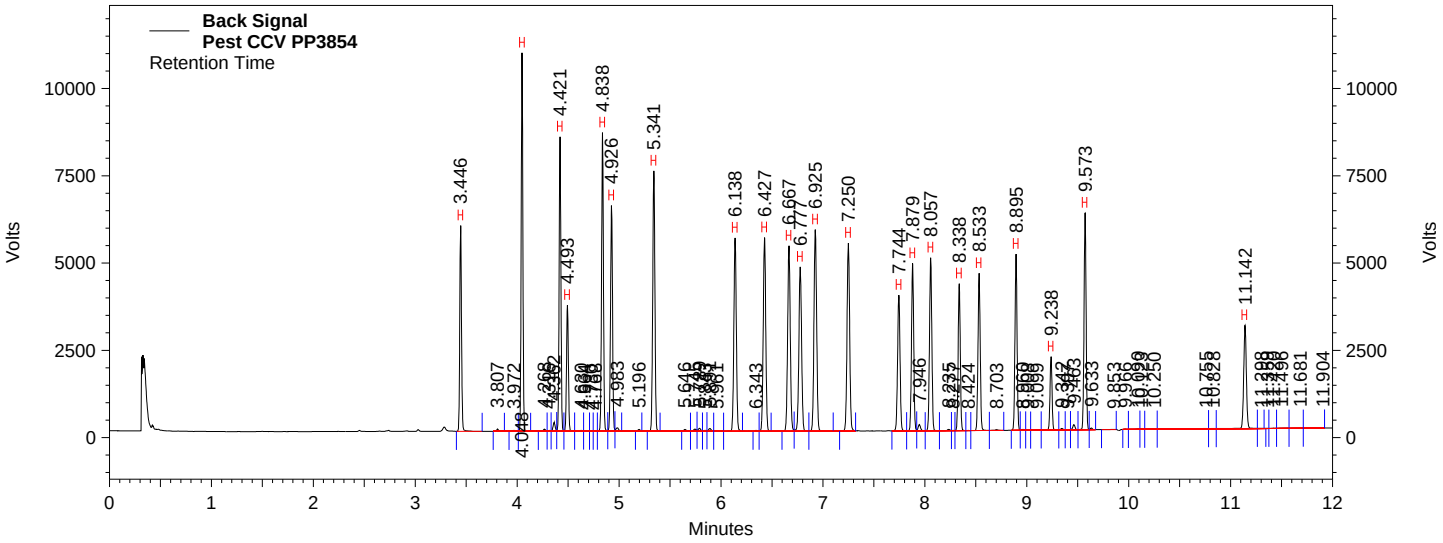
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.096	93350907	100.9181
ALPHABHC	3.596	175760135	0.0436
LINDANE	3.883	153272379	0.0440
BETABHC	3.957	62525881	0.0441
DELTABHC	4.129	155867067	0.0440
HEPTACHLOR	4.334	139870962	0.0445
ALDRIN	4.643	161612894	0.0426
HEPTAEPOX	5.327	137250143	0.0437
GAMMACHLOR	5.479	141499907	0.0439
ALPHACHLOR	5.649	139654352	0.0435
44DDE	5.736	151435462	0.0423
ENDOI	5.839	132369730	0.0432
DIELDRIN	6.173	141971288	0.0437
ENDRIN	6.525	101176322	0.0473
44DDD	6.618	113473585	0.0444
ENDOII	6.883	117585527	0.0442
44DDT	7.080	95811695	0.0458
ENDRINALDEH	7.560	101196218	0.0447
METHOXYCL	7.849	47813781	0.0466
ENDOSULFATE	8.196	106415530	0.0441
ENDRINKETONE	8.575	132918719	0.0439
SURRDCBPEST	9.813	83207193	104.4880

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\004.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: Pest CCV PP3854
Acquired: Aug 23,2013 11:08:19
Printed: Aug 23,2013 16:44:13

Data Summary: {Data Description}



Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.446	53644220	101.0953
ALPHABHC	4.048	95216121	0.0443
LINDANE	4.421	79839937	0.0453
BETABHC	4.493	34625624	0.0448
DELTABHC	4.838	85517185	0.0444
HEPTACHLOR	4.926	67192962	0.0461
ALDRIN	5.341	83960064	0.0434
HEPTAEPOX	6.138	71167953	0.0443
GAMMACHLOR	6.427	72626928	0.0447
ALPHACHLOR	6.667	72896992	0.0442
ENDOI	6.777	66672638	0.0443
44DDE	6.925	81232338	0.0422
DIELDRIN	7.250	73862715	0.0442
ENDRIN	7.744	50504362	0.0475
44DDD	7.879	55271335	0.0449
ENDOII	8.057	60473117	0.0449
44DDT	8.338	47001010	0.0462
ENDRINALDEH	8.533	52282241	0.0451
ENDOSULFATE	8.895	55013517	0.0448
METHOXYCL	9.238	21480203	0.0458
ENDRINKETONE	9.573	66440035	0.0446
SURRDCBPEST	11.142	42072300	103.6720

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 23,2013 16:44:19

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082313pst\005.dat	TC CCV PP3855	Aug 23,2013 16:44:18

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	60.000	61.499	2.499	20.000	Passed
Chlordane #1	0.050	0.052	3.103	20.000	Passed
Chlordane #2	0.050	0.053	5.148	20.000	Passed
Chlordane #3	0.050	0.052	3.430	20.000	Passed
Chlordane #4	0.050	0.050	0.845	20.000	Passed
Chlordane #5	0.050	0.054	7.190	20.000	Passed
Toxaphene #1	0.050	0.050	0.454	20.000	Passed
Toxaphene #2	0.050	0.051	1.792	20.000	Passed
Toxaphene #3	0.050	0.050	0.327	20.000	Passed
Toxaphene #4	0.050	0.050	0.210	20.000	Passed
Toxaphene #5	0.050	0.050	0.327	20.000	Passed
SURRDCBPEST	60.000	63.449	5.748	20.000	Passed
Chlordane	0.250	0.260	3.943	20.000	Passed
Toxaphene	0.250	0.251	0.407	20.000	Passed

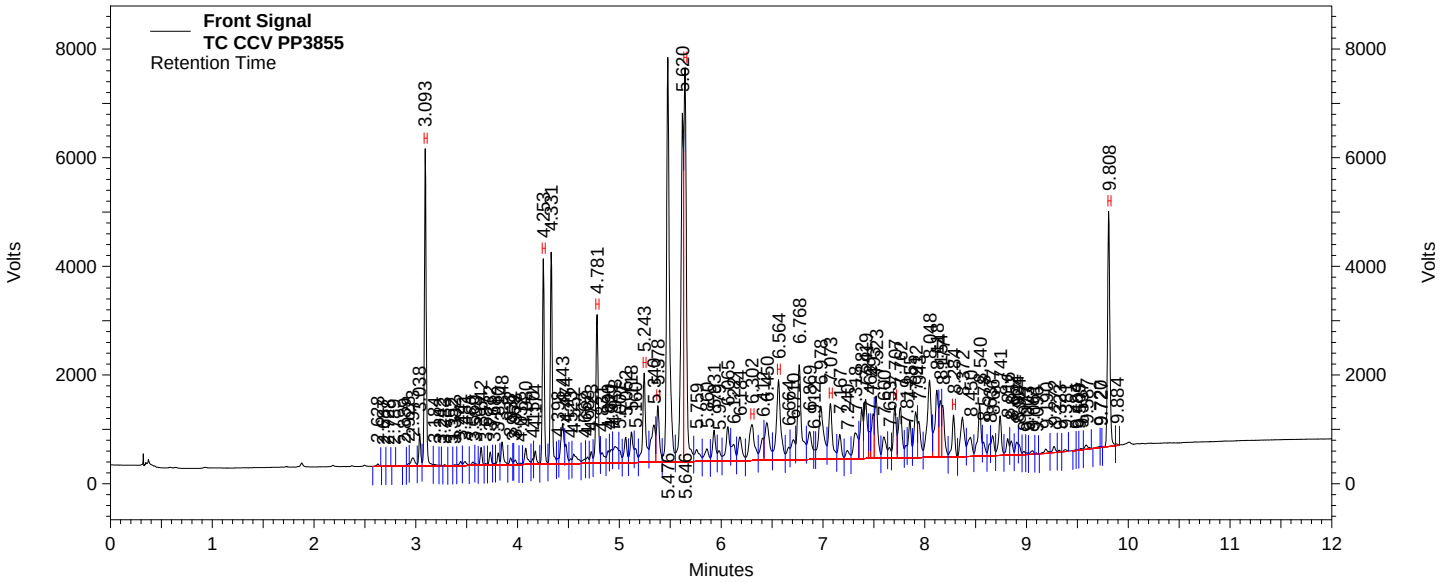
Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	60.000	60.606	1.010	20.000	Passed
Chlordane #1	0.050	0.051	1.297	20.000	Passed
Chlordane #2	0.050	0.050	0.505	20.000	Passed
Chlordane #3	0.050	0.052	3.480	20.000	Passed
Chlordane #4	0.050	0.050	0.863	20.000	Passed
Chlordane #5	0.050	0.051	2.619	20.000	Passed
Toxaphene #1	0.050	0.051	1.895	20.000	Passed
Toxaphene #2	0.050	0.051	2.301	20.000	Passed
Toxaphene #3	0.050	0.051	1.484	20.000	Passed
Toxaphene #4	0.050	0.051	1.704	20.000	Passed
Toxaphene #5	0.050	0.051	2.124	20.000	Passed
SURRDCBPEST	60.000	62.504	4.173	20.000	Passed
Chlordane	0.250	0.254	1.753	20.000	Passed
Toxaphene	0.250	0.255	1.902	20.000	Passed

Pesticide (TOX/Chlordane) Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\005.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: TC CCV PP3855
Acquired: Aug 23,2013 11:23:48
Printed: Aug 23,2013 16:44:17

Data Summary: {Data Description}



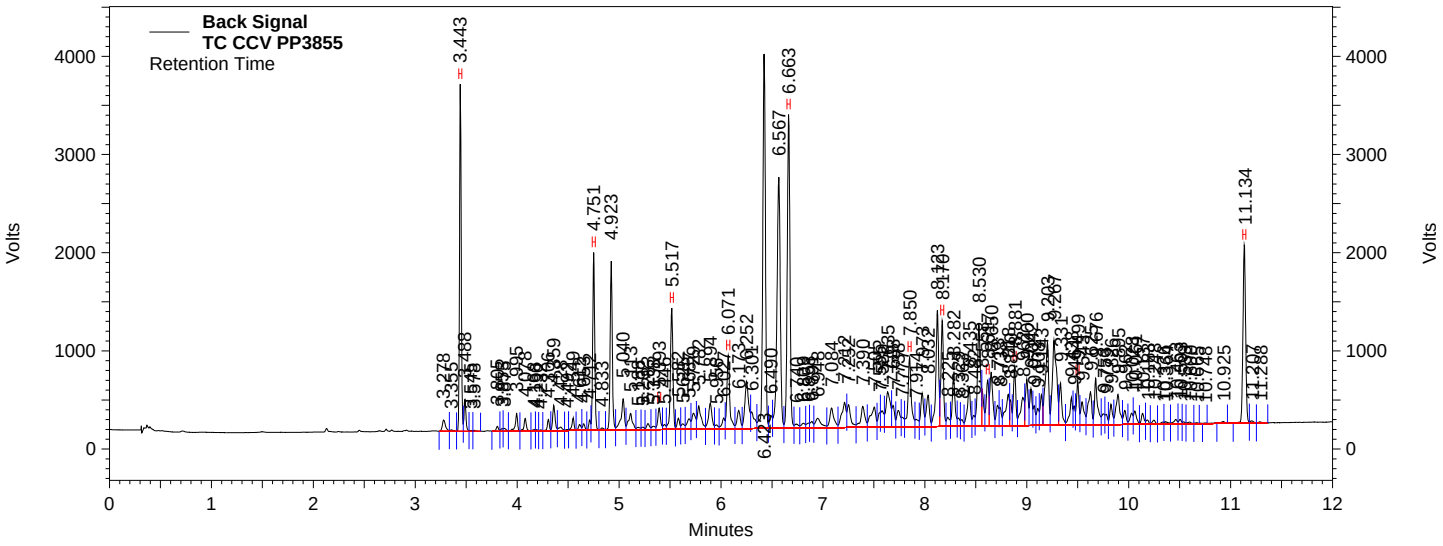
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.093	55689754	61.4992
Chlordane #1	4.253	37131012	0.0516
Chlordane #2	4.781	33934398	0.0526
Chlordane #3	5.243	25285540	0.0517
Chlordane #4	5.378	15422213	0.0504
Chlordane #5	5.646	98560895	0.0536
Toxaphene #1	6.302	18476226	0.0502
Toxaphene #2	6.564	32937114	0.0509
Toxaphene #3	7.073	19772709	0.0502
Toxaphene #4	7.707	14404551	0.0499
Toxaphene #5	8.284	11047177	0.0498
SURRDCBPEST	9.808	51831027	63.4489
Chlordane		210334058	0.2599
Toxaphene		96637777	0.2510

Pesticide (TOX/Chlordane) Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\005.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: TC CCV PP3855
Acquired: Aug 23,2013 11:23:48
Printed: Aug 23,2013 16:44:17

Data Summary: {Data Description}



Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.443	31567735	60.6059
Chlordane #1	4.751	19017192	0.0506
Chlordane #2	5.393	3113609	0.0503
Chlordane #3	5.517	16037548	0.0517
Chlordane #4	6.071	11076404	0.0504
Chlordane #5	6.663	44954553	0.0513
Toxaphene #1	7.850	12113224	0.0509
Toxaphene #2	8.170	14270355	0.0512
Toxaphene #3	8.617	6395831	0.0507
Toxaphene #4	8.881	7487419	0.0509
Toxaphene #5	9.499	5681634	0.0511
SURRDCBPEST	11.134	25491819	62.5036
Chlordane		94199306	0.2544
Toxaphene		45948463	0.2548

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 23,2013 16:44:52

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082313pst\019.dat	Pest CCV PP3854	Aug 23,2013 16:44:52

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	100.000	91.961	8.039	20.000	Passed
ALPHABHC	0.040	0.037	8.299	20.000	Passed
LINDANE	0.040	0.038	5.851	20.000	Passed
BETABHC	0.040	0.037	6.619	20.000	Passed
DELTABHC	0.040	0.038	5.956	20.000	Passed
HEPTACHLOR	0.040	0.038	3.775	20.000	Passed
ALDRIN	0.040	0.038	6.005	20.000	Passed
HEPTAEPOX	0.040	0.039	2.972	20.000	Passed
GAMMACHLOR	0.040	0.039	2.023	20.000	Passed
ALPHACHLOR	0.040	0.039	2.715	20.000	Passed
44DDE	0.040	0.040	0.082	20.000	Passed
ENDOI	0.040	0.039	3.284	20.000	Passed
DIELDRIN	0.040	0.040	1.054	20.000	Passed
ENDRIN	0.040	0.043	8.240	20.000	Passed
44DDD	0.040	0.041	2.867	20.000	Passed
ENDOII	0.040	0.041	1.339	20.000	Passed
44DDT	0.040	0.044	8.766	20.000	Passed
ENDRINALDEH	0.040	0.042	4.332	20.000	Passed
METHOXYCL	0.040	0.045	11.800	20.000	Passed
ENDOSULFATE	0.040	0.041	1.737	20.000	Passed
ENDRINKETONE	0.040	0.041	1.782	20.000	Passed
SURRDCBPEST	100.000	98.055	1.945	20.000	Passed

Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	100.000	94.169	5.831	20.000	Passed
ALPHABHC	0.040	0.038	4.862	20.000	Passed
LINDANE	0.040	0.039	2.550	20.000	Passed
BETABHC	0.040	0.039	3.158	20.000	Passed
DELTABHC	0.040	0.039	3.155	20.000	Passed
HEPTACHLOR	0.040	0.041	2.189	20.000	Passed
ALDRIN	0.040	0.038	3.822	20.000	Passed
HEPTAEPOX	0.040	0.040	0.884	20.000	Passed
GAMMACHLOR	0.040	0.040	0.639	20.000	Passed
ALPHACHLOR	0.040	0.040	0.036	20.000	Passed
ENDOI	0.040	0.040	0.243	20.000	Passed
44DDE	0.040	0.040	0.466	20.000	Passed
DIELDRIN	0.040	0.040	0.988	20.000	Passed
ENDRIN	0.040	0.044	9.442	20.000	Passed
44DDD	0.040	0.043	6.558	20.000	Passed
ENDOII	0.040	0.041	3.707	20.000	Passed
44DDT	0.040	0.044	9.520	20.000	Passed
ENDRINALDEH	0.040	0.043	6.849	20.000	Passed
ENDOSULFATE	0.040	0.042	5.550	20.000	Passed
METHOXYCL	0.040	0.043	8.673	20.000	Passed

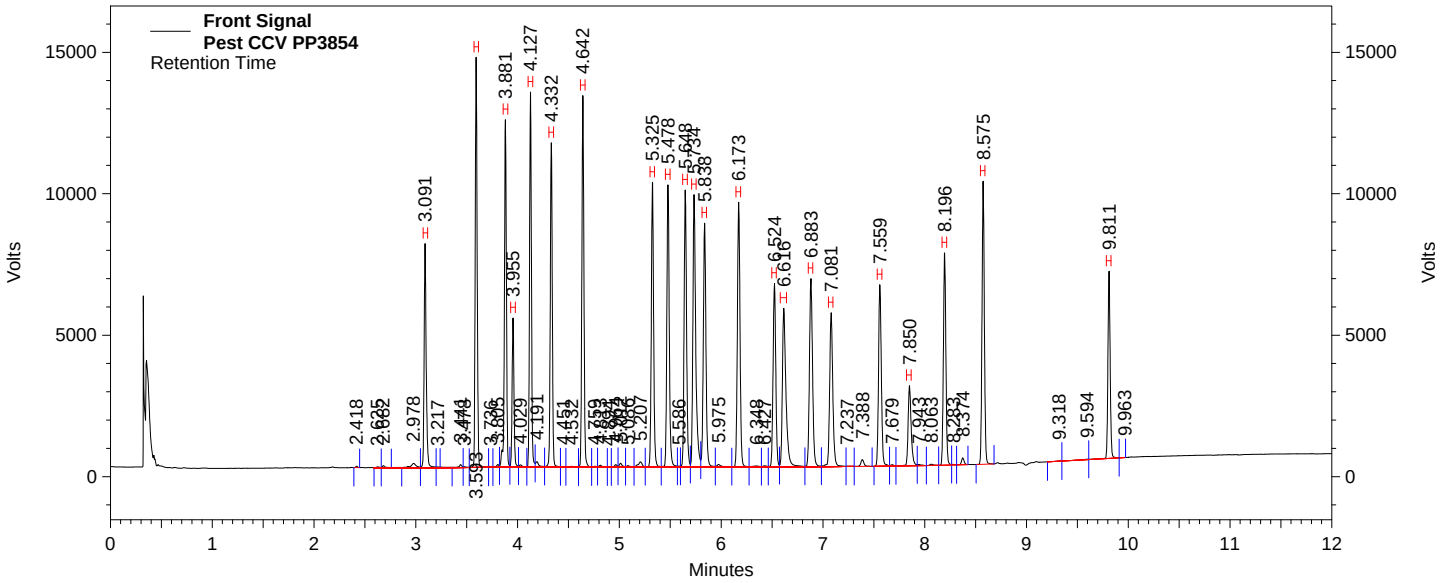
Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 23,2013 16:44:52

ENDRINKETONE	0.040	0.043	6.547	20.000	**Passed**
SURRDCBPEST	100.000	96.249	3.751	20.000	**Passed**

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\019.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: Pest CCV PP3854
Acquired: Aug 23,2013 15:59:49
Printed: Aug 23,2013 16:44:51

Data Summary: {Data Description}



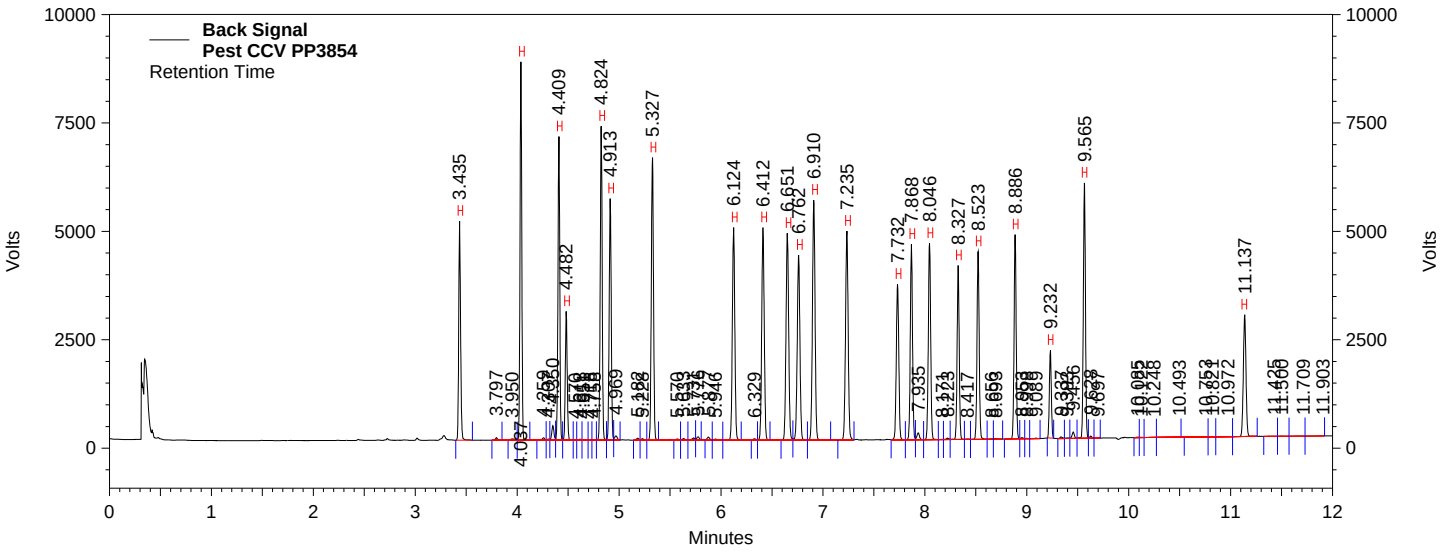
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.091	84878743	91.9611
ALPHABHC	3.593	145867433	0.0367
LINDANE	3.881	129618046	0.0377
BETABHC	3.955	52526548	0.0374
DELTABHC	4.127	131286388	0.0376
HEPTACHLOR	4.332	119660422	0.0385
ALDRIN	4.642	141887653	0.0376
HEPTAEPOX	5.325	121394156	0.0388
GAMMACHLOR	5.478	125369031	0.0392
ALPHACHLOR	5.648	124084764	0.0389
44DDE	5.734	142465073	0.0400
ENDOI	5.838	118352206	0.0387
DIELDRIN	6.173	127820976	0.0396
ENDRIN	6.524	91629431	0.0433
44DDD	6.616	104437865	0.0411
ENDOII	6.883	107388458	0.0405
44DDT	7.081	89972209	0.0435
ENDRINALDEH	7.559	94130769	0.0417
METHOXYCL	7.850	45561980	0.0447
ENDOSULFATE	8.196	97817934	0.0407
ENDRINKETONE	8.575	122880685	0.0407
SURRDCBPEST	9.811	78058310	98.0551

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\019.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: Pest CCV PP3854
Acquired: Aug 23,2013 15:59:49
Printed: Aug 23,2013 16:44:51

Data Summary: {Data Description}



Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.435	49859679	94.1693
ALPHABHC	4.037	80609658	0.0381
LINDANE	4.409	67380696	0.0390
BETABHC	4.482	29640158	0.0387
DELTABHC	4.824	73351495	0.0387
HEPTACHLOR	4.913	58713985	0.0409
ALDRIN	5.327	73572624	0.0385
HEPTAEPOX	6.124	63205547	0.0396
GAMMACHLOR	6.412	64637197	0.0403
ALPHACHLOR	6.651	65399617	0.0400
ENDOI	6.762	59775157	0.0401
44DDE	6.910	76266865	0.0398
DIELDRIN	7.235	66793078	0.0404
ENDRIN	7.732	46147464	0.0438
44DDD	7.868	52159218	0.0426
ENDOII	8.046	55505080	0.0415
44DDT	8.327	44193949	0.0438
ENDRINALDEH	8.523	49284200	0.0427
ENDOSULFATE	8.886	51641305	0.0422
METHOXYCL	9.232	20266573	0.0435
ENDRINKETONE	9.565	63163420	0.0426
SURRDCBPEST	11.137	39161352	96.2495

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 23,2013 16:44:58

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082313pst\020.dat	TC CCV PP3855	Aug 23,2013 16:44:58

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	60.000	63.195	5.324	20.000	Passed
Chlordane #1	0.050	0.053	6.653	20.000	Passed
Chlordane #2	0.050	0.055	9.205	20.000	Passed
Chlordane #3	0.050	0.054	7.004	20.000	Passed
Chlordane #4	0.050	0.056	11.756	20.000	Passed
Chlordane #5	0.050	0.054	8.783	20.000	Passed
Toxaphene #1	0.050	0.056	11.967	20.000	Passed
Toxaphene #2	0.050	0.056	11.815	20.000	Passed
Toxaphene #3	0.050	0.057	13.858	20.000	Passed
Toxaphene #4	0.050	0.056	12.551	20.000	Passed
Toxaphene #5	0.050	0.056	12.203	20.000	Passed
SURRDCBPEST	60.000	68.288	13.813	20.000	Passed
Chlordane	0.250	0.272	8.680	20.000	Passed
Toxaphene	0.250	0.281	12.479	20.000	Passed

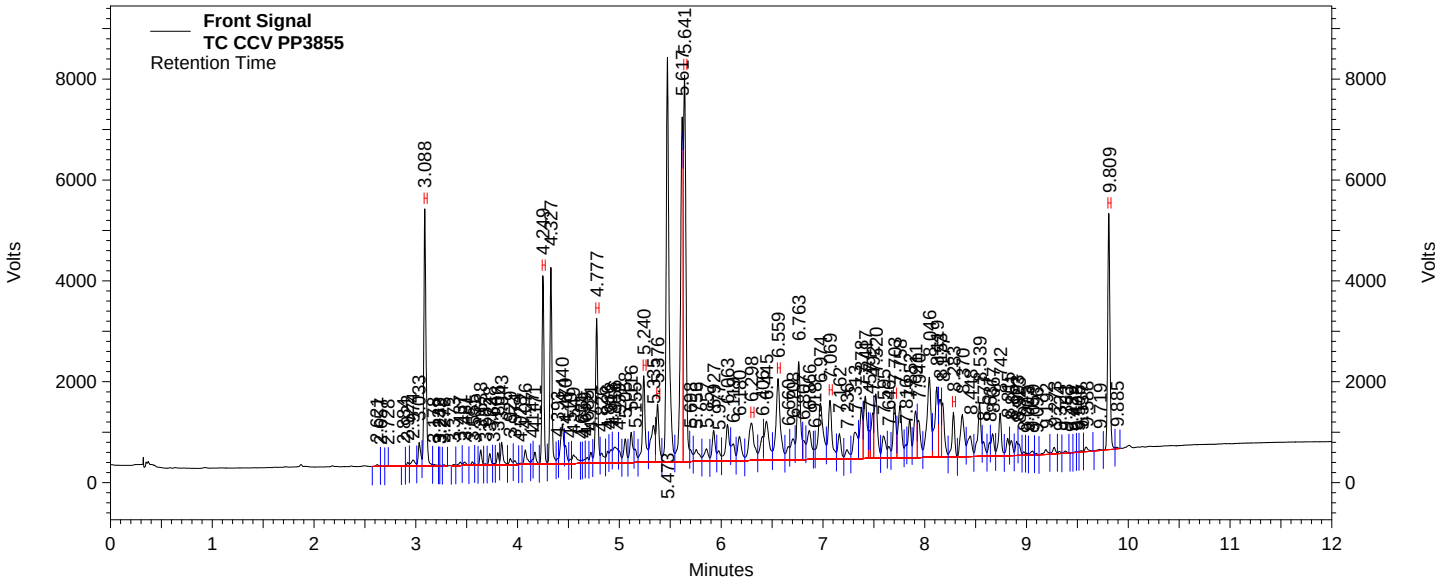
Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	60.000	63.621	6.035	20.000	Passed
Chlordane #1	0.050	0.053	6.464	20.000	Passed
Chlordane #2	0.050	0.053	6.074	20.000	Passed
Chlordane #3	0.050	0.055	10.153	20.000	Passed
Chlordane #4	0.050	0.054	7.850	20.000	Passed
Chlordane #5	0.050	0.055	10.991	20.000	Passed
Toxaphene #1	0.050	0.057	14.693	20.000	Passed
Toxaphene #2	0.050	0.058	15.588	20.000	Passed
Toxaphene #3	0.050	0.057	14.904	20.000	Passed
Toxaphene #4	0.050	0.058	15.927	20.000	Passed
Toxaphene #5	0.050	0.059	17.308	20.000	Passed
SURRDCBPEST	60.000	69.885	16.475	20.000	Passed
Chlordane	0.250	0.271	8.306	20.000	Passed
Toxaphene	0.250	0.289	15.684	20.000	Passed

Pesticide (TOX/Chlordane) Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\020.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: TC CCV PP3855
Acquired: Aug 23,2013 16:15:39
Printed: Aug 23,2013 16:44:56

Data Summary: {Data Description}



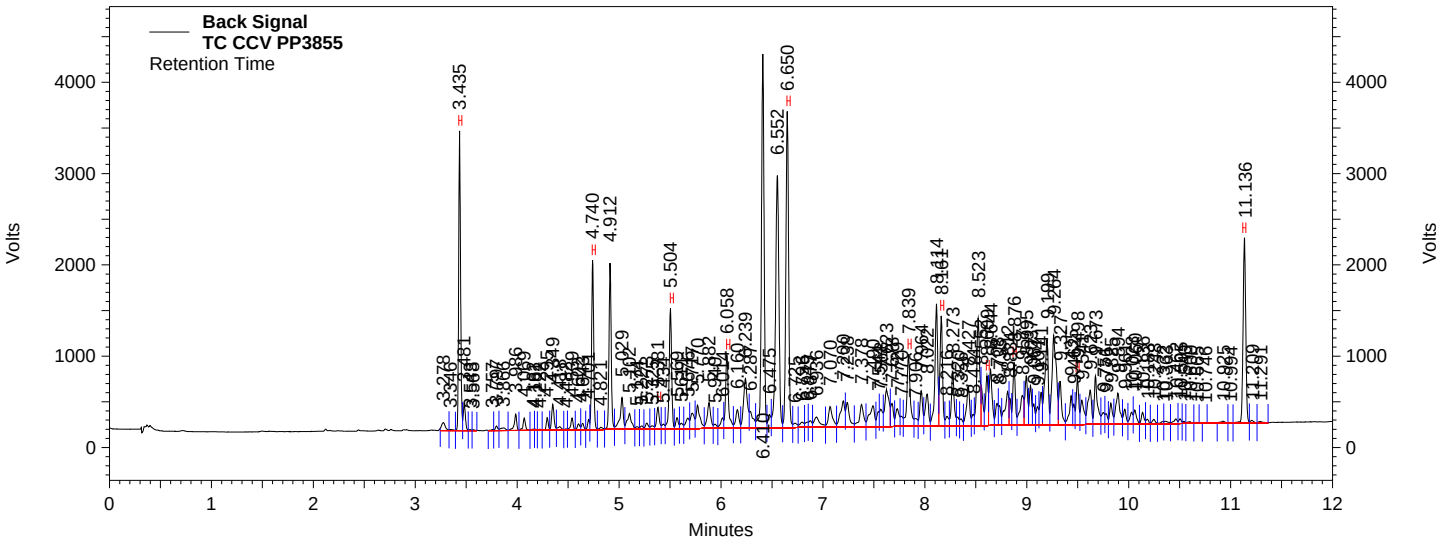
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.088	57213491	63.1947
Chlordane #1	4.249	38407077	0.0533
Chlordane #2	4.777	35207852	0.0546
Chlordane #3	5.240	26158092	0.0535
Chlordane #4	5.376	17172798	0.0559
Chlordane #5	5.641	100000566	0.0544
Toxaphene #1	6.298	20712783	0.0560
Toxaphene #2	6.559	36267976	0.0559
Toxaphene #3	7.069	22588634	0.0569
Toxaphene #4	7.703	16390123	0.0563
Toxaphene #5	8.283	12548102	0.0561
SURRDCBPEST	9.809	55632071	68.2878
Chlordane		216946385	0.2717
Toxaphene		108507618	0.2812

Pesticide (TOX/Chlordane) Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\020.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: TC CCV PP3855
Acquired: Aug 23,2013 16:15:39
Printed: Aug 23,2013 16:44:56

Data Summary: {Data Description}



Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.435	33141859	63.6212
Chlordane #1	4.740	19999503	0.0532
Chlordane #2	5.381	3287487	0.0530
Chlordane #3	5.504	17058046	0.0551
Chlordane #4	6.058	11865488	0.0539
Chlordane #5	6.650	48723335	0.0555
Toxaphene #1	7.839	13725860	0.0573
Toxaphene #2	8.161	16208847	0.0578
Toxaphene #3	8.609	7287882	0.0575
Toxaphene #4	8.876	8598467	0.0580
Toxaphene #5	9.498	6581573	0.0587
SURRDCBPEST	11.136	28389903	69.8850
Chlordane		100933859	0.2708
Toxaphene		52402629	0.2892

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 24,2013 22:14:45

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082313pst\031.dat	Pest CCV PP3854	Aug 24,2013 22:14:45

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	100.000	91.472	8.528	20.000	Passed
ALPHABHC	0.040	0.039	2.051	20.000	Passed
LINDANE	0.040	0.039	2.748	20.000	Passed
BETABHC	0.040	0.040	0.140	20.000	Passed
DELTABHC	0.040	0.040	0.341	20.000	Passed
HEPTACHLOR	0.040	0.039	2.555	20.000	Passed
ALDRIN	0.040	0.039	1.496	20.000	Passed
HEPTAEPOX	0.040	0.041	2.584	20.000	Passed
GAMMACHLOR	0.040	0.042	4.935	20.000	Passed
ALPHACHLOR	0.040	0.041	3.599	20.000	Passed
44DDE	0.040	0.041	2.893	20.000	Passed
ENDOI	0.040	0.041	2.778	20.000	Passed
DIELDRIN	0.040	0.042	5.721	20.000	Passed
ENDRIN	0.040	0.045	12.589	20.000	Passed
44DDD	0.040	0.044	10.574	20.000	Passed
ENDOII	0.040	0.043	8.411	20.000	Passed
44DDT	0.040	0.044	10.510	20.000	Passed
ENDRINALDEH	0.040	0.044	11.116	20.000	Passed
METHOXYCL	0.040	0.045	13.095	20.000	Passed
ENDOSULFATE	0.040	0.044	9.874	20.000	Passed
ENDRINKETONE	0.040	0.044	9.476	20.000	Passed
SURRDCBPEST	100.000	104.659	4.659	20.000	Passed

Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	100.000	94.749	5.251	20.000	Passed
ALPHABHC	0.040	0.041	3.164	20.000	Passed
LINDANE	0.040	0.042	4.411	20.000	Passed
BETABHC	0.040	0.042	5.176	20.000	Passed
DELTABHC	0.040	0.042	5.457	20.000	Passed
HEPTACHLOR	0.040	0.043	7.475	20.000	Passed
ALDRIN	0.040	0.041	3.144	20.000	Passed
HEPTAEPOX	0.040	0.043	6.303	20.000	Passed
GAMMACHLOR	0.040	0.044	9.191	20.000	Passed
ALPHACHLOR	0.040	0.043	7.356	20.000	Passed
ENDOI	0.040	0.043	8.476	20.000	Passed
44DDE	0.040	0.042	3.989	20.000	Passed
DIELDRIN	0.040	0.044	9.647	20.000	Passed
ENDRIN	0.040	0.047	17.046	20.000	Passed
44DDD	0.040	0.047	18.313	20.000	Passed
ENDOII	0.040	0.046	14.230	20.000	Passed
44DDT	0.040	0.046	14.648	20.000	Passed
ENDRINALDEH	0.040	0.046	15.761	20.000	Passed
ENDOSULFATE	0.040	0.047	17.004	20.000	Passed
METHOXYCL	0.040	0.045	11.477	20.000	Passed

QC Check Standard Report

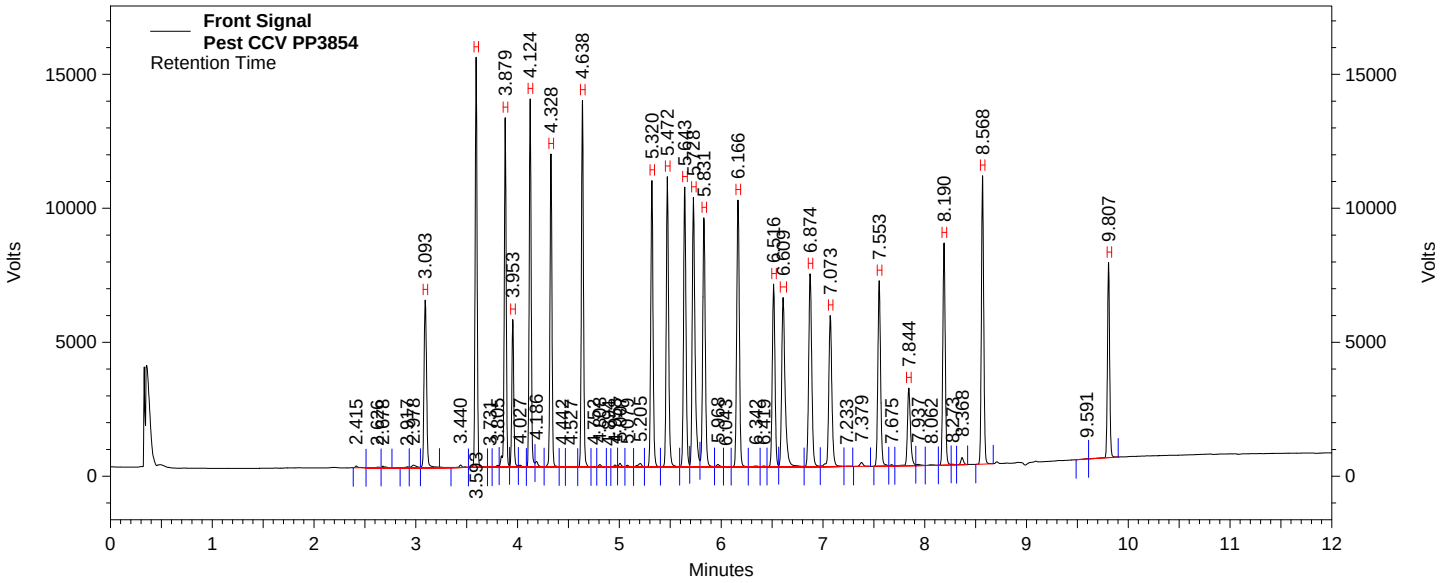
Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 24,2013 22:14:45

ENDRINKETONE	0.040	0.048	18.800	20.000	**Passed**
SURRDCBPEST	100.000	112.608	12.608	20.000	**Passed**

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\031.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: Pest CCV PP3854
Acquired: Aug 23,2013 19:05:21
Printed: Aug 24,2013 22:14:44

Data Summary: {Data Description}



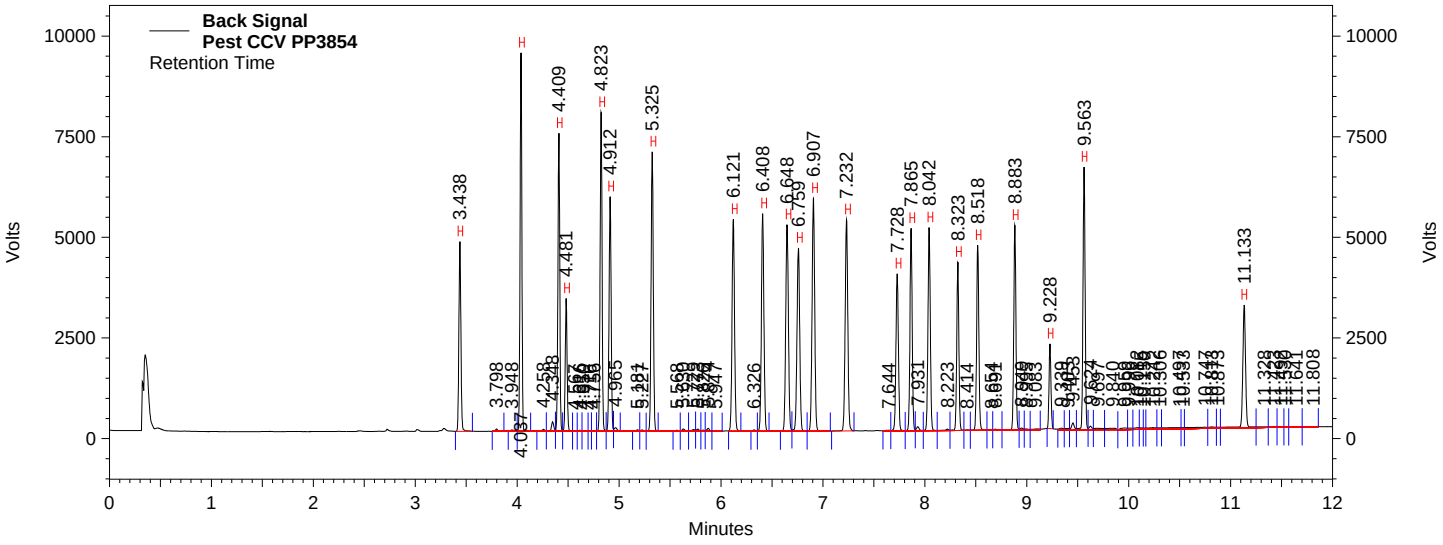
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.093	84417022	91.4718
ALPHABHC	3.593	156607851	0.0392
LINDANE	3.879	134231227	0.0389
BETABHC	3.953	56342161	0.0399
DELTABHC	4.124	140924553	0.0401
HEPTACHLOR	4.328	121274225	0.0390
ALDRIN	4.638	149016386	0.0394
HEPTAEPOX	5.320	128576180	0.0410
GAMMACHLOR	5.472	134955703	0.0420
ALPHACHLOR	5.643	132646743	0.0414
44DDE	5.728	147107889	0.0412
ENDOI	5.831	125921223	0.0411
DIELDRIN	6.166	137160806	0.0423
ENDRIN	6.516	95711129	0.0450
44DDD	6.609	113039381	0.0442
ENDOII	6.874	115262785	0.0434
44DDT	7.073	91737038	0.0442
ENDRINALDEH	7.553	100538432	0.0444
METHOXYCL	7.844	46179633	0.0452
ENDOSULFATE	8.190	106021568	0.0439
ENDRINKETONE	8.568	132655349	0.0438
SURRDCBPEST	9.807	83344157	104.6589

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\031.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: Pest CCV PP3854
Acquired: Aug 23,2013 19:05:21
Printed: Aug 24,2013 22:14:44

Data Summary: {Data Description}



Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.438	50175922	94.7492
ALPHABHC	4.037	88115791	0.0413
LINDANE	4.409	72795438	0.0418
BETABHC	4.481	32375888	0.0421
DELTABHC	4.823	80694822	0.0422
HEPTACHLOR	4.912	62133577	0.0430
ALDRIN	5.325	79408394	0.0413
HEPTAEPOX	6.121	68156017	0.0425
GAMMACHLOR	6.408	70793693	0.0437
ALPHACHLOR	6.648	70672251	0.0429
ENDOI	6.759	65133918	0.0434
44DDE	6.907	80034926	0.0416
DIELDRIN	7.232	73141710	0.0439
ENDRIN	7.728	49737645	0.0468
44DDD	7.865	58690129	0.0473
ENDOII	8.042	61676965	0.0457
44DDT	8.323	46648283	0.0459
ENDRINALDEH	8.518	53733830	0.0463
ENDOSULFATE	8.883	57765809	0.0468
METHOXYCL	9.228	20843821	0.0446
ENDRINKETONE	9.563	71135917	0.0475
SURRDCBPEST	11.133	45563194	112.6084

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 24,2013 22:14:50

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082313pst\032.dat	TC CCV PP3855	Aug 24,2013 22:14:50

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	60.000	59.009	1.652	20.000	Passed
Chlordane #1	0.050	0.051	2.511	20.000	Passed
Chlordane #2	0.050	0.055	10.130	20.000	Passed
Chlordane #3	0.050	0.055	10.119	20.000	Passed
Chlordane #4	0.050	0.052	3.284	20.000	Passed
Chlordane #5	0.050	0.055	9.189	20.000	Passed
Toxaphene #1	0.050	0.053	6.908	20.000	Passed
Toxaphene #2	0.050	0.056	11.217	20.000	Passed
Toxaphene #3	0.050	0.054	7.248	20.000	Passed
Toxaphene #4	0.050	0.053	5.644	20.000	Passed
Toxaphene #5	0.050	0.051	2.573	20.000	Passed
SURRDCBPEST	60.000	65.777	9.628	20.000	Passed
Chlordane	0.250	0.268	7.047	20.000	Passed
Toxaphene	0.250	0.267	6.718	20.000	Passed

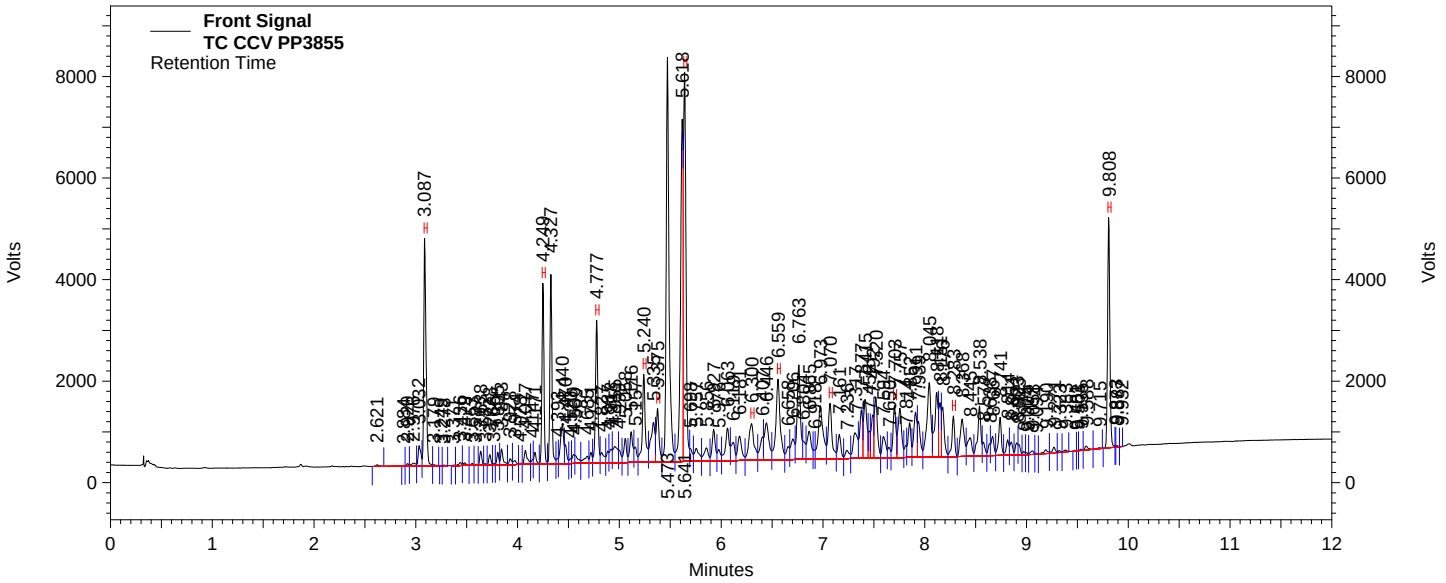
Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	60.000	59.991	0.015	20.000	Passed
Chlordane #1	0.050	0.051	2.223	20.000	Passed
Chlordane #2	0.050	0.056	11.581	20.000	Passed
Chlordane #3	0.050	0.056	12.837	20.000	Passed
Chlordane #4	0.050	0.054	8.689	20.000	Passed
Chlordane #5	0.050	0.056	11.470	20.000	Passed
Toxaphene #1	0.050	0.056	12.471	20.000	Passed
Toxaphene #2	0.050	0.056	11.755	20.000	Passed
Toxaphene #3	0.050	0.055	10.119	20.000	Passed
Toxaphene #4	0.050	0.054	8.702	20.000	Passed
Toxaphene #5	0.050	0.053	6.260	20.000	Passed
SURRDCBPEST	60.000	67.149	11.915	20.000	Passed
Chlordane	0.250	0.273	9.360	20.000	Passed
Toxaphene	0.250	0.275	9.861	20.000	Passed

Pesticide (TOX/Chlordane) Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\032.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: TC CCV PP3855
Acquired: Aug 23,2013 19:20:44
Printed: Aug 24,2013 22:14:49

Data Summary: {Data Description}



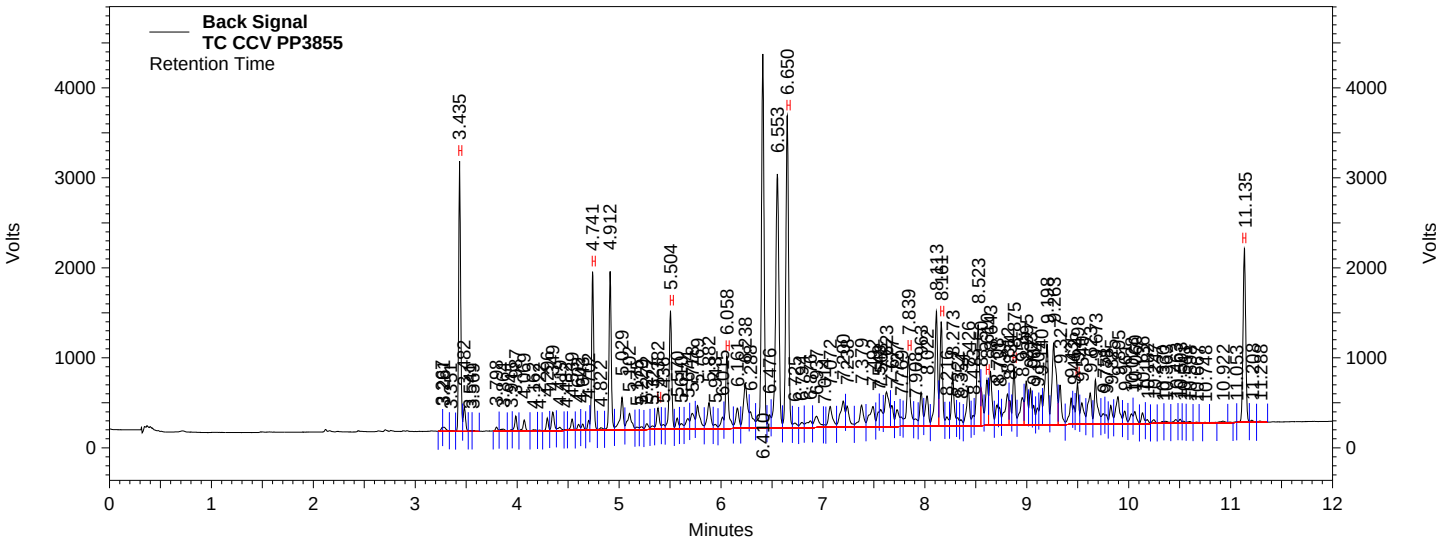
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.087	53451708	59.0089
Chlordane #1	4.249	36918547	0.0513
Chlordane #2	4.777	35498194	0.0551
Chlordane #3	5.240	26918855	0.0551
Chlordane #4	5.375	15813623	0.0516
Chlordane #5	5.641	100367721	0.0546
Toxaphene #1	6.300	19729908	0.0535
Toxaphene #2	6.559	36069046	0.0556
Toxaphene #3	7.070	21213060	0.0536
Toxaphene #4	7.703	15315337	0.0528
Toxaphene #5	8.283	11394587	0.0513
SURRDCBPEST	9.808	53659764	65.7769
Chlordane		215516940	0.2676
Toxaphene		103721938	0.2668

Pesticide (TOX/Chlordane) Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\032.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: TC CCV PP3855
Acquired: Aug 23,2013 19:20:44
Printed: Aug 24,2013 22:14:49

Data Summary: {Data Description}



Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.435	31246893	59.9913
Chlordane #1	4.741	19193241	0.0511
Chlordane #2	5.382	3459455	0.0558
Chlordane #3	5.504	17468509	0.0564
Chlordane #4	6.058	11960254	0.0543
Chlordane #5	6.650	48938999	0.0557
Toxaphene #1	7.839	13445829	0.0562
Toxaphene #2	8.161	15649672	0.0559
Toxaphene #3	8.610	6969823	0.0551
Toxaphene #4	8.875	8034096	0.0544
Toxaphene #5	9.498	5926751	0.0531
SURRDCBPEST	11.135	27315811	67.1493
Chlordane		101020458	0.2734
Toxaphene		50026171	0.2747

PESTICIDE
QUALITY CONTROL
DOCUMENTS

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 23,2013 16:44:22

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082313pst\006.dat	PEST MRL PP 3946	Aug 23,2013 16:44:22

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	5.000	5.742	14.849	30.000	Passed
ALPHABHC	0.002	0.002	12.862	30.000	Passed
LINDANE	0.002	0.002	18.510	30.000	Passed
BETABHC	0.002	0.002	24.259	30.000	Passed
DELTABHC	0.002	0.002	12.201	30.000	Passed
HEPTACHLOR	0.002	0.002	16.698	30.000	Passed
ALDRIN	0.002	0.002	12.109	30.000	Passed
HEPTAEPOX	0.002	0.002	14.882	30.000	Passed
GAMMACHLOR	0.002	0.002	15.366	30.000	Passed
ALPHACHLOR	0.002	0.002	14.634	30.000	Passed
44DDE	0.002	0.002	8.341	30.000	Passed
ENDOI	0.002	0.002	17.642	30.000	Passed
DIELDRIN	0.002	0.002	12.371	30.000	Passed
ENDRIN	0.002	0.002	2.080	30.000	Passed
44DDD	0.002	0.002	13.147	30.000	Passed
ENDOII	0.002	0.002	15.387	30.000	Passed
44DDT	0.002	0.002	10.408	30.000	Passed
ENDRINALDEH	0.002	0.002	22.847	30.000	Passed
METHOXYCL	0.002	0.002	8.950	30.000	Passed
ENDOSULFATE	0.002	0.002	18.052	30.000	Passed
ENDRINKETONE	0.002	0.002	18.562	30.000	Passed
SURRDCBPEST	5.000	4.889	2.227	30.000	Passed

Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	5.000	5.512	10.242	30.000	Passed
ALPHABHC	0.002	0.002	9.977	30.000	Passed
LINDANE	0.002	0.002	16.212	30.000	Passed
BETABHC	0.002	0.002	21.107	30.000	Passed
DELTABHC	0.002	0.002	11.138	30.000	Passed
HEPTACHLOR	0.002	0.002	16.532	30.000	Passed
ALDRIN	0.002	0.002	10.872	30.000	Passed
HEPTAEPOX	0.002	0.002	15.495	30.000	Passed
GAMMACHLOR	0.002	0.002	15.357	30.000	Passed
ALPHACHLOR	0.002	0.002	15.094	30.000	Passed
ENDOI	0.002	0.002	14.520	30.000	Passed
44DDE	0.002	0.002	9.426	30.000	Passed
DIELDRIN	0.002	0.002	12.859	30.000	Passed
ENDRIN	0.002	0.002	5.176	30.000	Passed
44DDD	0.002	0.002	15.548	30.000	Passed
ENDOII	0.002	0.002	17.097	30.000	Passed
44DDT	0.002	0.002	12.999	30.000	Passed
ENDRINALDEH	0.002	0.002	24.563	30.000	Passed
ENDOSULFATE	0.002	0.002	18.434	30.000	Passed
METHOXYCL	0.002	0.002	16.715	30.000	Passed

QC Check Standard Report

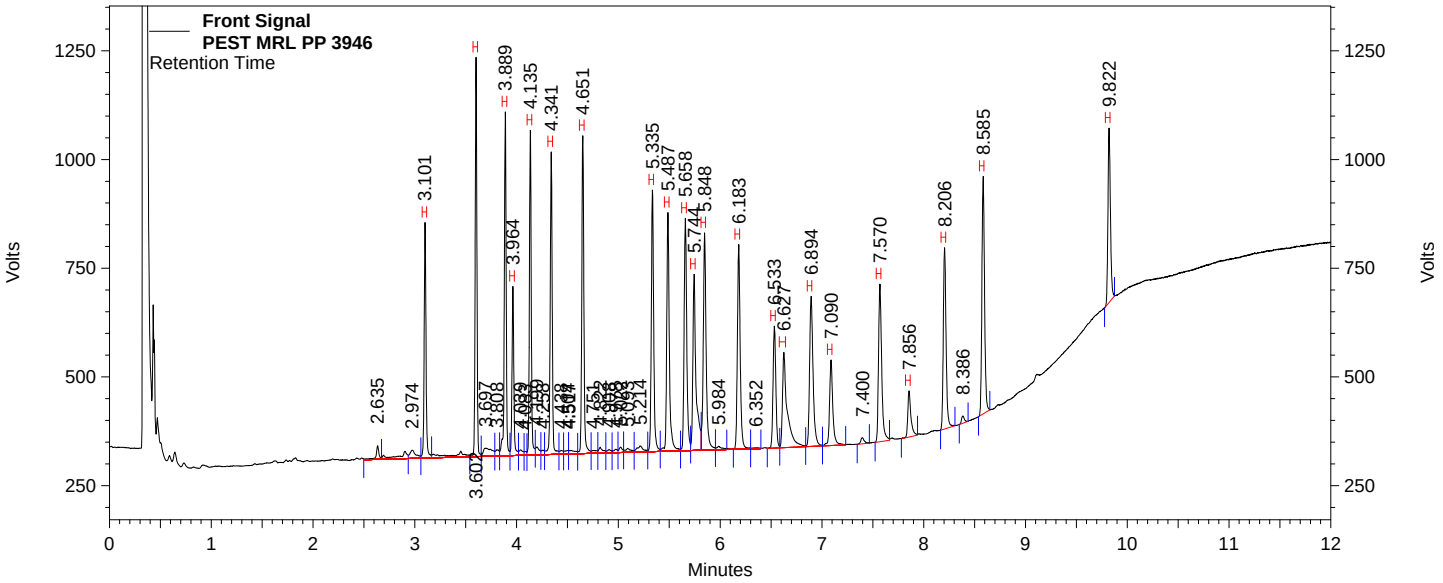
Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 23,2013 16:44:22

ENDRINKETONE	0.002	0.003	26.089	30.000	**Passed**
SURRDCBPEST	5.000	5.210	4.208	30.000	**Passed**

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\006.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: PEST MRL PP 3946
Acquired: Aug 23,2013 11:43:00
Printed: Aug 23,2013 16:44:21

Data Summary: {Data Description}



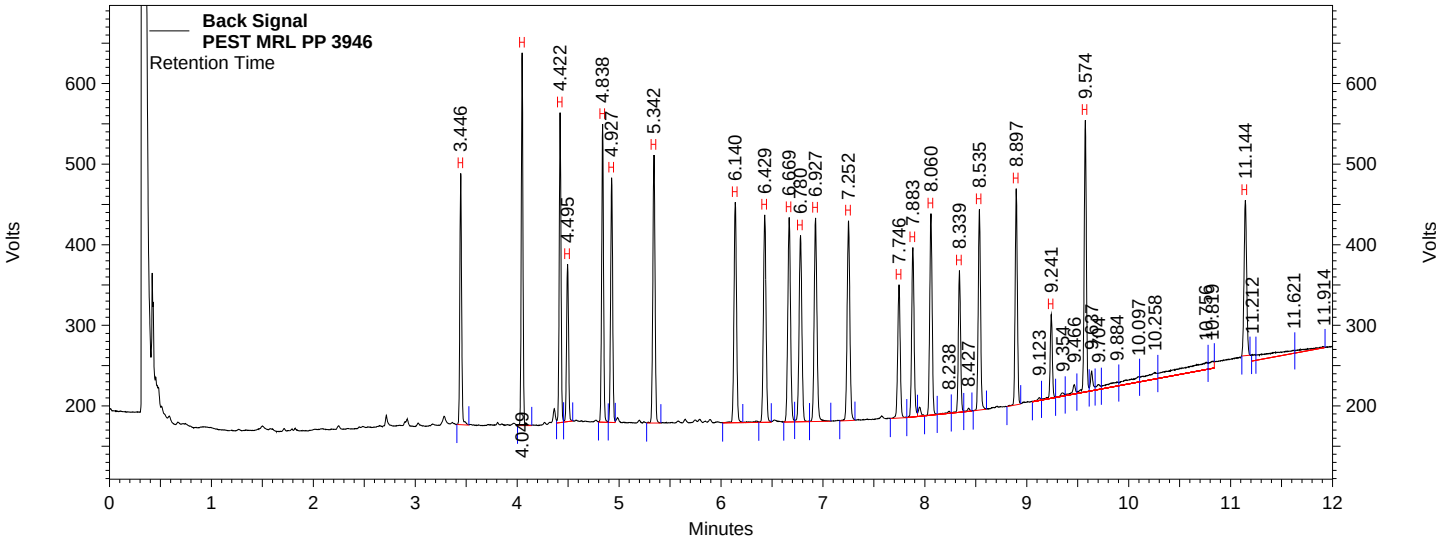
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.101	5295752	5.7425
ALPHABHC	3.602	8132643	0.0023
LINDANE	3.889	7738750	0.0024
BETABHC	3.964	3849874	0.0025
DELTABHC	4.135	7245153	0.0022
HEPTACHLOR	4.341	7386655	0.0023
ALDRIN	4.651	7999309	0.0022
HEPTAEPOX	5.335	7471992	0.0023
GAMMACHLOR	5.487	7499977	0.0023
ALPHACHLOR	5.658	7360938	0.0023
44DDE	5.744	6733911	0.0022
ENDOI	5.848	7519470	0.0024
DIELDRIN	6.183	6979681	0.0022
ENDRIN	6.533	4106866	0.0020
44DDD	6.627	5440765	0.0023
ENDOII	6.894	6265901	0.0023
44DDT	7.090	3401117	0.0022
ENDRINALDEH	7.570	5948895	0.0025
METHOXYCL	7.856	1740784	0.0022
ENDOSULFATE	8.206	6049208	0.0024
ENDRINKETONE	8.585	7462709	0.0024
SURRDCBPEST	9.822	5196444	4.8887

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\006.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: PEST MRL PP 3946
Acquired: Aug 23,2013 11:43:00
Printed: Aug 23,2013 16:44:21

Data Summary: {Data Description}



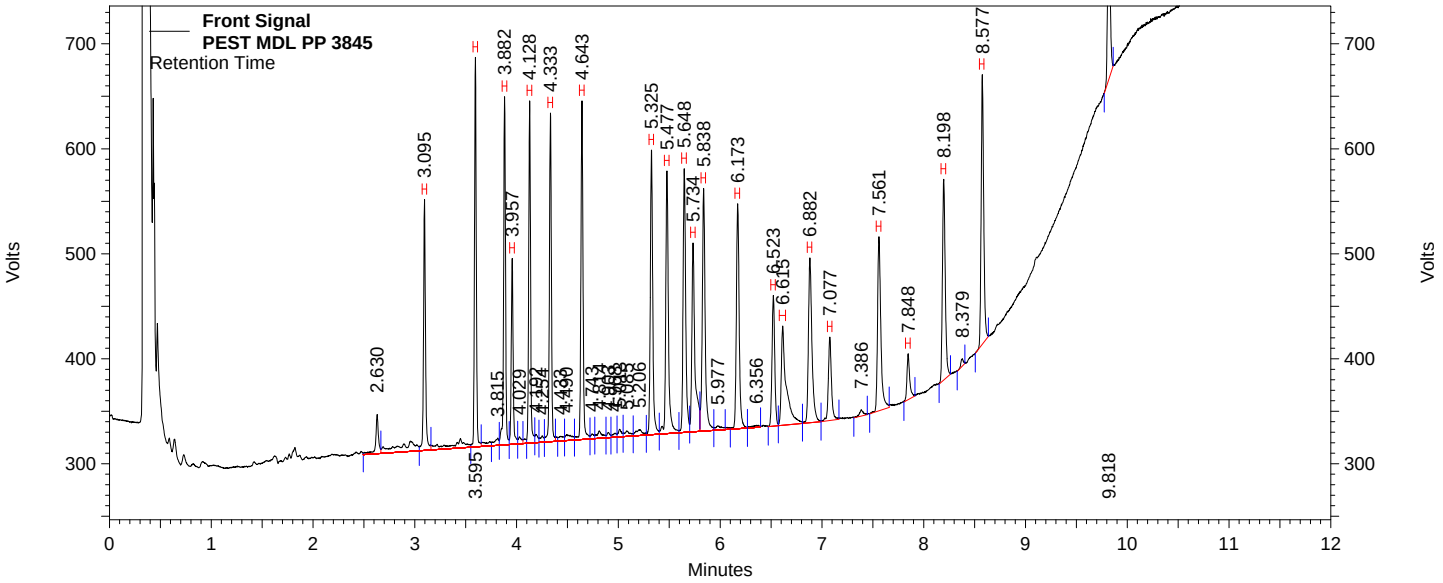
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.446	2877653	5.5121
ALPHABHC	4.049	4111310	0.0022
LINDANE	4.422	3672192	0.0023
BETABHC	4.495	1986362	0.0024
DELTABHC	4.838	3708588	0.0022
HEPTACHLOR	4.927	3215408	0.0023
ALDRIN	5.342	3832946	0.0022
HEPTAEPOX	6.140	3632592	0.0023
GAMMACHLOR	6.429	3541238	0.0023
ALPHACHLOR	6.669	3634773	0.0023
ENDOI	6.780	3359811	0.0023
44DDE	6.927	3663629	0.0022
DIELDRIN	7.252	3491787	0.0023
ENDRIN	7.746	2180405	0.0021
44DDD	7.883	2654430	0.0023
ENDOII	8.060	3163434	0.0023
44DDT	8.339	2026171	0.0023
ENDRINALDEH	8.535	3028171	0.0025
ENDOSULFATE	8.897	3035351	0.0024
METHOXYCL	9.241	1133312	0.0023
ENDRINKETONE	9.574	3806863	0.0025
SURRDCBPEST	11.144	2612754	5.2104

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\007.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: PEST MDL PP 3845
Acquired: Aug 23,2013 11:58:22
Printed: Aug 23,2013 16:44:25

Data Summary: {Data Description}



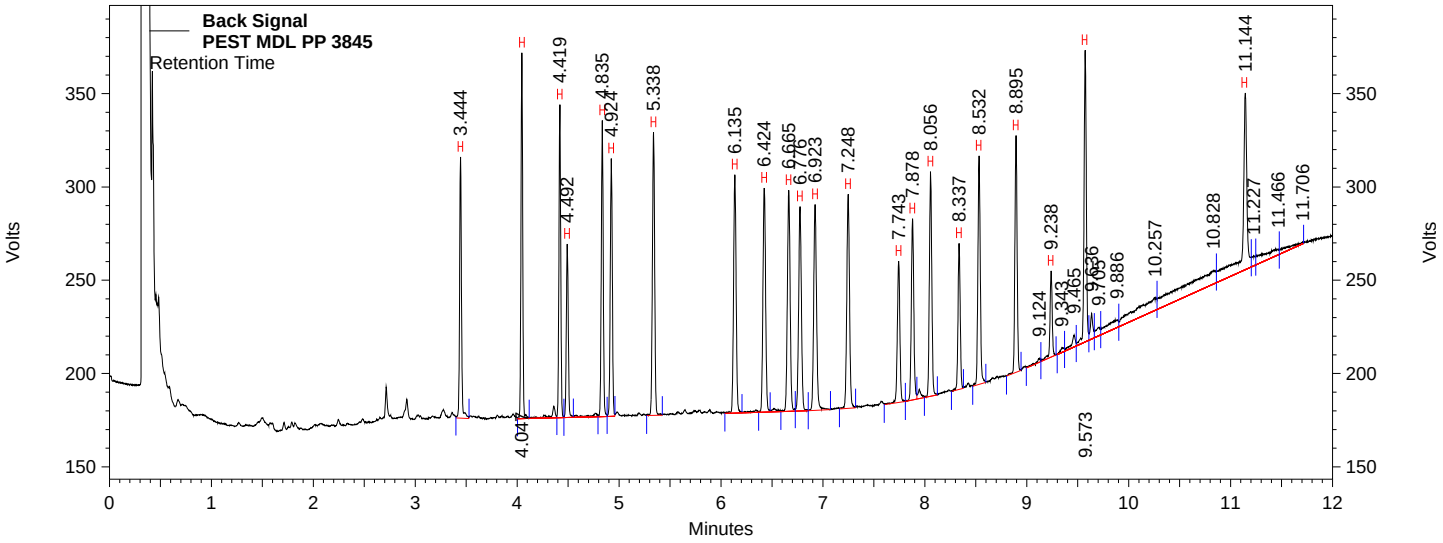
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.095	2468104	2.6062
ALPHABHC	3.595	3497008	0.0010
LINDANE	3.882	3345950	0.0010
BETABHC	3.957	1786310	0.0009
DELTABHC	4.128	3157155	0.0010
HEPTACHLOR	4.333	3267647	0.0009
ALDRIN	4.643	3579263	0.0010
HEPTAEPOX	5.325	3474916	0.0010
GAMMACHLOR	5.477	3531259	0.0010
ALPHACHLOR	5.648	3426775	0.0010
44DDE	5.734	2943260	0.0010
ENDOI	5.838	3509979	0.0010
DIELDRIN	6.173	3171895	0.0010
ENDRIN	6.523	1789280	0.0008
44DDD	6.615	2449956	0.0010
ENDOII	6.882	2909247	0.0010
44DDT	7.077	1296038	0.0009
ENDRINALDEH	7.561	2875121	0.0010
METHOXYCL	7.848	628007	0.0009
ENDOSULFATE	8.198	2813239	0.0009
ENDRINKETONE	8.577	3406817	0.0009
SURRDCBPEST	9.818	2353913	1.1692

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\007.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: PEST MDL PP 3845
Acquired: Aug 23,2013 11:58:22
Printed: Aug 23,2013 16:44:25

Data Summary: {Data Description}



Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.444	1360795	2.5617
ALPHABHC	4.047	1792747	0.0010
LINDANE	4.419	1608523	0.0010
BETABHC	4.492	926123	0.0009
DELTABHC	4.835	1642750	0.0010
HEPTACHLOR	4.924	1485259	0.0010
ALDRIN	5.338	1774354	0.0010
HEPTAEPOX	6.135	1710829	0.0010
GAMMACHLOR	6.424	1663402	0.0010
ALPHACHLOR	6.665	1711151	0.0010
ENDOI	6.776	1578967	0.0010
44DDE	6.923	1668856	0.0010
DIELDRIN	7.248	1634820	0.0010
ENDRIN	7.743	1006736	0.0008
44DDD	7.878	1248532	0.0010
ENDOII	8.056	1521900	0.0010
44DDT	8.337	904571	0.0009
ENDRINALDEH	8.532	1506707	0.0010
ENDOSULFATE	8.895	1460369	0.0010
METHOXYCL	9.238	519505	0.0009
ENDRINKETONE	9.573	1831977	0.0011
SURRDCBPEST	11.144	2144215	4.0680

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 23,2013 16:44:28

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082313pst\008.dat	TC MRL PP 3947	Aug 23,2013 16:44:28

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	14.400	14.035	2.534	30.000	Passed
Chlordane #1	0.012	0.012	1.491	30.000	Passed
Chlordane #2	0.012	0.012	0.200	30.000	Passed
Chlordane #3	0.012	0.011	7.808	30.000	Passed
Chlordane #4	0.012	0.014	15.195	30.000	Passed
Chlordane #5	0.012	0.012	1.941	30.000	Passed
Toxaphene #1	0.012	0.013	7.013	30.000	Passed
Toxaphene #2	0.012	0.012	3.263	30.000	Passed
Toxaphene #3	0.012	0.013	5.805	30.000	Passed
Toxaphene #4	0.012	0.012	1.330	30.000	Passed
Toxaphene #5	0.012	0.012	2.778	30.000	Passed
SURRDCBPEST	14.400	15.034	4.401	30.000	Passed
Chlordane	0.060	0.061	1.528	30.000	Passed
Toxaphene	0.060	0.062	4.038	30.000	Passed

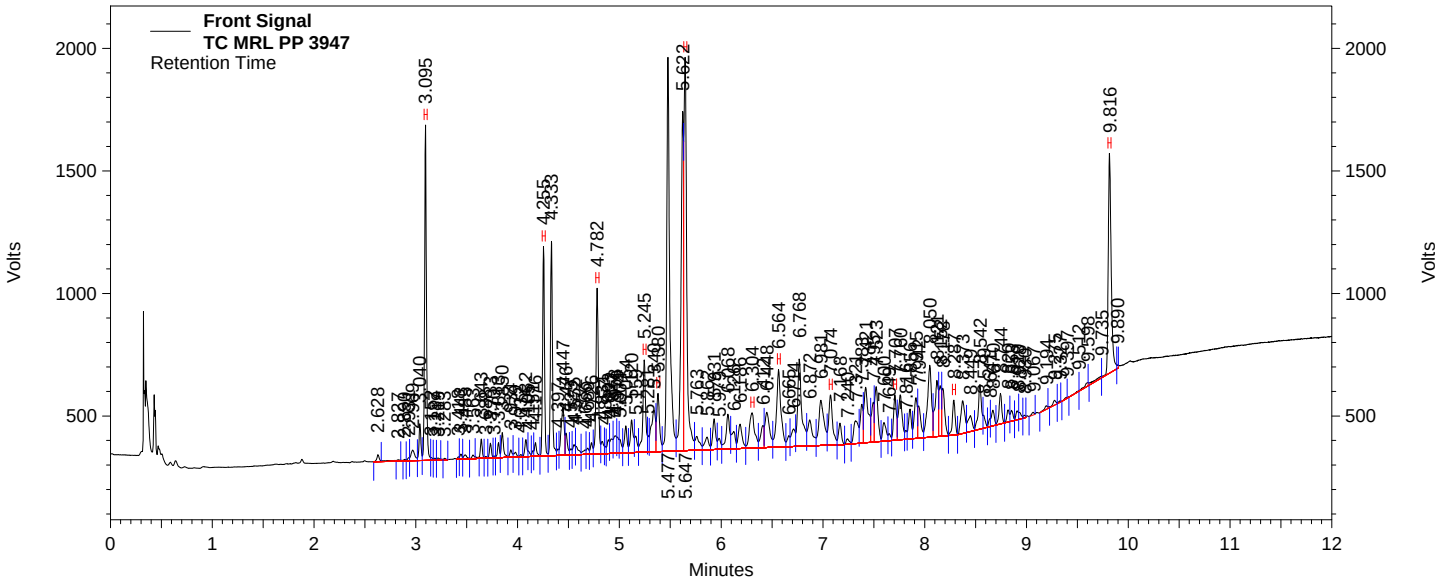
Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	14.400	14.216	1.279	30.000	Passed
Chlordane #1	0.012	0.012	1.172	30.000	Passed
Chlordane #2	0.012	0.012	0.245	30.000	Passed
Chlordane #3	0.012	0.012	3.974	30.000	Passed
Chlordane #4	0.012	0.013	4.907	30.000	Passed
Chlordane #5	0.012	0.012	3.982	30.000	Passed
Toxaphene #1	0.012	0.013	10.196	30.000	Passed
Toxaphene #2	0.012	0.013	9.764	30.000	Passed
Toxaphene #3	0.012	0.013	9.169	30.000	Passed
Toxaphene #4	0.012	0.013	10.316	30.000	Passed
Toxaphene #5	0.012	0.014	12.850	30.000	Passed
SURRDCBPEST	14.400	15.335	6.496	30.000	Passed
Chlordane	0.060	0.062	2.856	30.000	Passed
Toxaphene	0.060	0.066	10.459	30.000	Passed

Pesticide (TOX/Chlordane) Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\008.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: TC MRL PP 3947
Acquired: Aug 23,2013 12:13:49
Printed: Aug 23,2013 16:44:27

Data Summary: {Data Description}



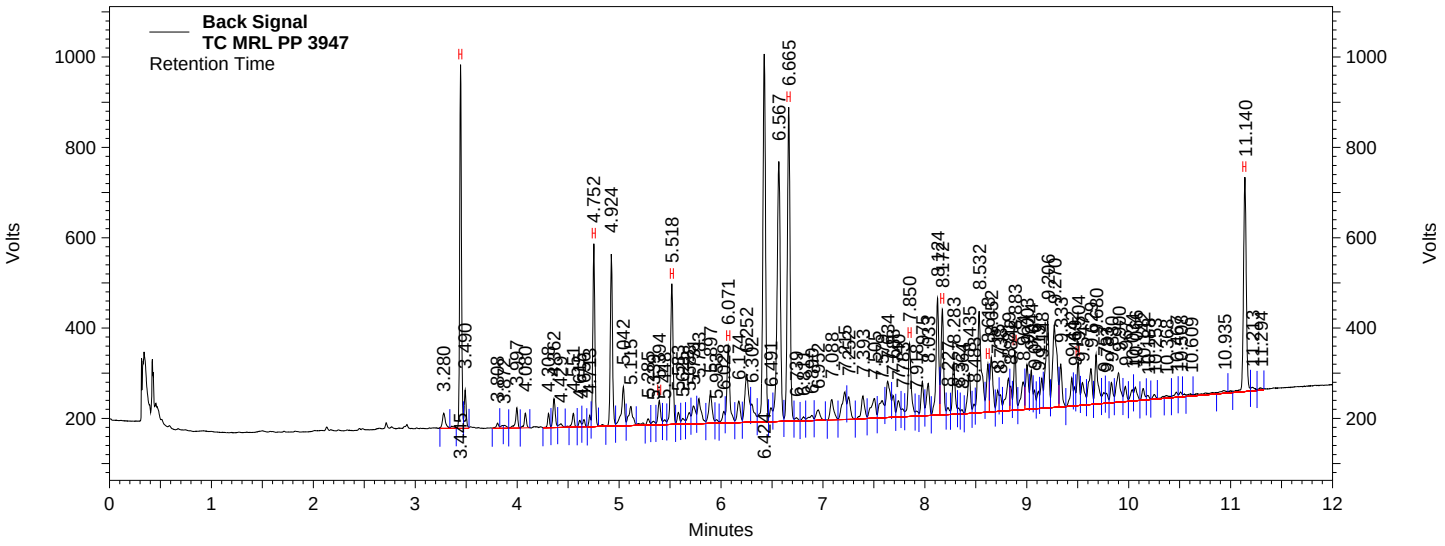
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.095	13034048	14.0351
Chlordane #1	4.255	8570494	0.0118
Chlordane #2	4.782	8445558	0.0120
Chlordane #3	5.245	5433637	0.0111
Chlordane #4	5.380	3678182	0.0138
Chlordane #5	5.647	23796436	0.0122
Toxaphene #1	6.304	3951045	0.0128
Toxaphene #2	6.564	7347082	0.0124
Toxaphene #3	7.074	4178038	0.0127
Toxaphene #4	7.707	2661385	0.0122
Toxaphene #5	8.287	2062725	0.0123
SURRDCBPEST	9.816	13800218	15.0337
Chlordane		49924307	0.0609
Toxaphene		20200275	0.0624

Pesticide (TOX/Chlordane) Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\008.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: TC MRL PP 3947
Acquired: Aug 23,2013 12:13:49
Printed: Aug 23,2013 16:44:27

Data Summary: {Data Description}



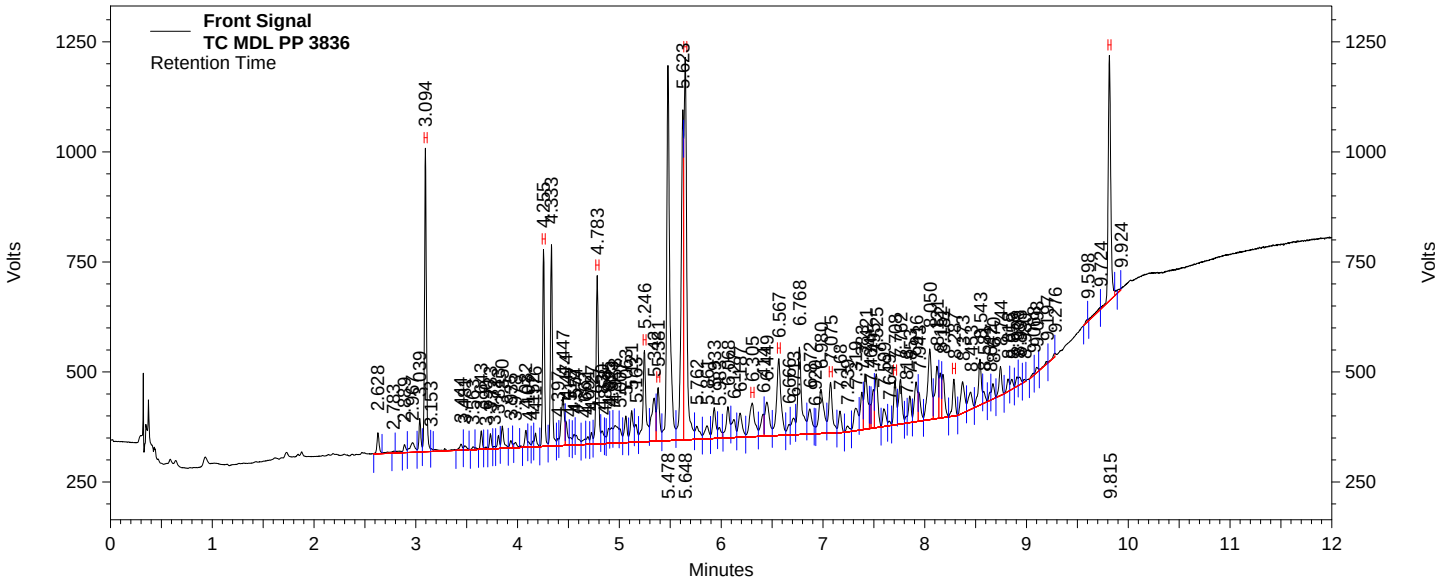
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.445	7350317	14.2159
Chlordane #1	4.752	4373341	0.0121
Chlordane #2	5.394	726709	0.0120
Chlordane #3	5.518	4028415	0.0125
Chlordane #4	6.071	2529218	0.0126
Chlordane #5	6.665	9991801	0.0125
Toxaphene #1	7.850	2606804	0.0132
Toxaphene #2	8.172	3187780	0.0132
Toxaphene #3	8.618	1391618	0.0131
Toxaphene #4	8.883	1610801	0.0132
Toxaphene #5	9.504	1233875	0.0135
SURRDCBPEST	11.140	6972448	15.3354
Chlordane		21649484	0.0617
Toxaphene		10030878	0.0663

Pesticide (TOX/Chlordane) Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\009.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: TC MDL PP 3836
Acquired: Aug 23,2013 12:29:20
Printed: Aug 23,2013 16:44:30

Data Summary: {Data Description}



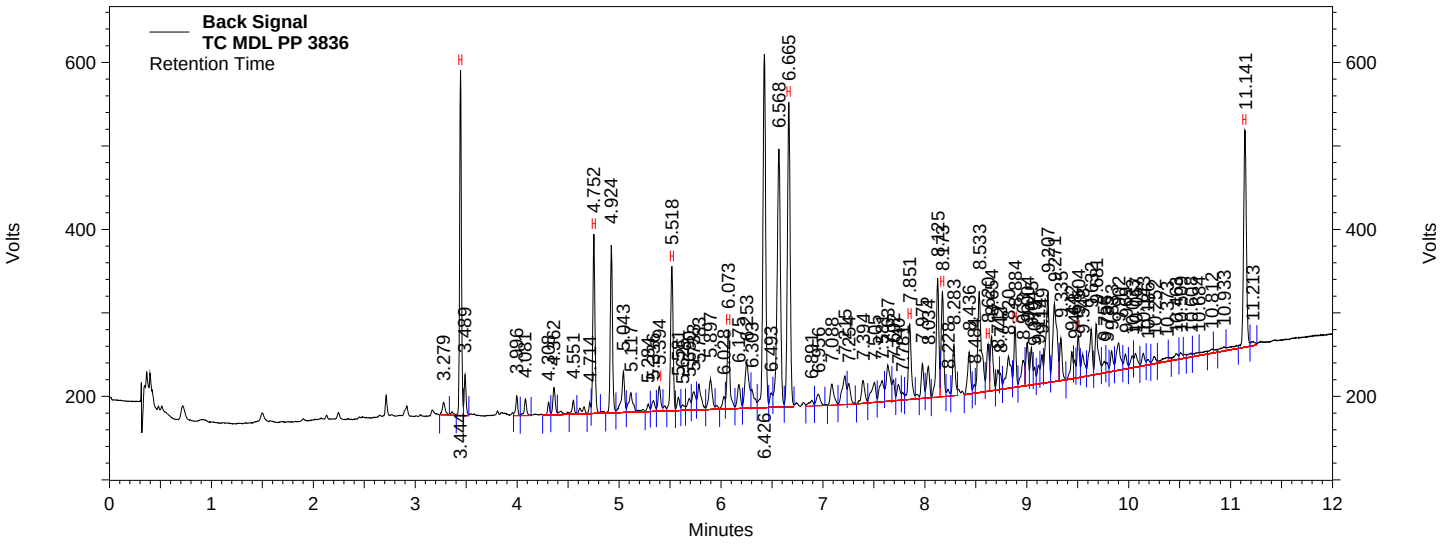
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.094	6808459	7.1077
Chlordane #1	4.255	4538535	0.0062
Chlordane #2	4.783	4800079	0.0062
Chlordane #3	5.246	3377663	0.0069
Chlordane #4	5.381	1842082	0.0081
Chlordane #5	5.648	12609270	0.0060
Toxaphene #1	6.305	2070785	0.0080
Toxaphene #2	6.567	4049310	0.0074
Toxaphene #3	7.075	2238840	0.0080
Toxaphene #4	7.708	1399862	0.0081
Toxaphene #5	8.287	1159317	0.0086
SURRDCBPEST	9.815	7422706	6.9148
Chlordane		27167629	0.0334
Toxaphene		10918114	0.0401

Pesticide (TOX/Chlordane) Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\009.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: TC MDL PP 3836
Acquired: Aug 23,2013 12:29:20
Printed: Aug 23,2013 16:44:30

Data Summary: {Data Description}



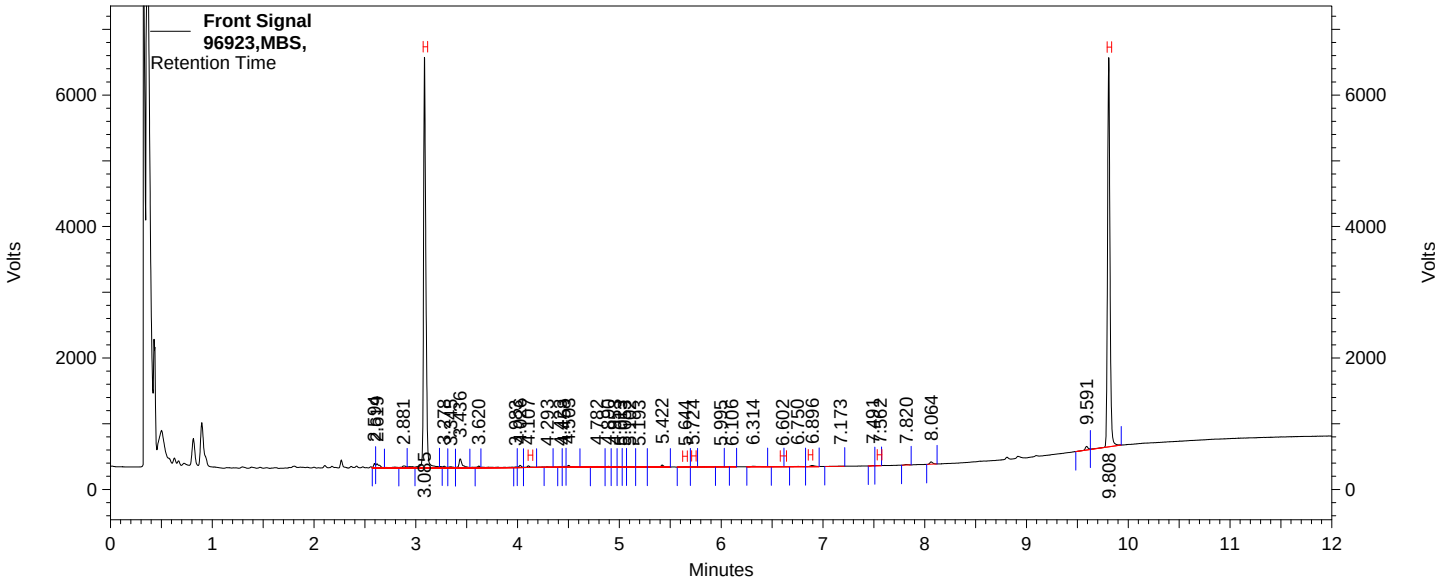
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.444	3841503	7.4945
Chlordane #1	4.752	2395735	0.0069
Chlordane #2	5.394	412892	0.0070
Chlordane #3	5.518	2259914	0.0067
Chlordane #4	6.073	1389640	0.0075
Chlordane #5	6.665	5317486	0.0073
Toxaphene #1	7.851	1415995	0.0085
Toxaphene #2	8.173	1701536	0.0081
Toxaphene #3	8.620	761104	0.0084
Toxaphene #4	8.884	838806	0.0083
Toxaphene #5	9.504	638766	0.0085
SURRDCBPEST	11.141	3800898	7.2576
Chlordane		11775667	0.0355
Toxaphene		5356207	0.0418

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\021.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: 96923,MBS,
Acquired: Aug 23,2013 16:31:00
Printed: Aug 24,2013 22:14:03

Data Summary: {Data Description}



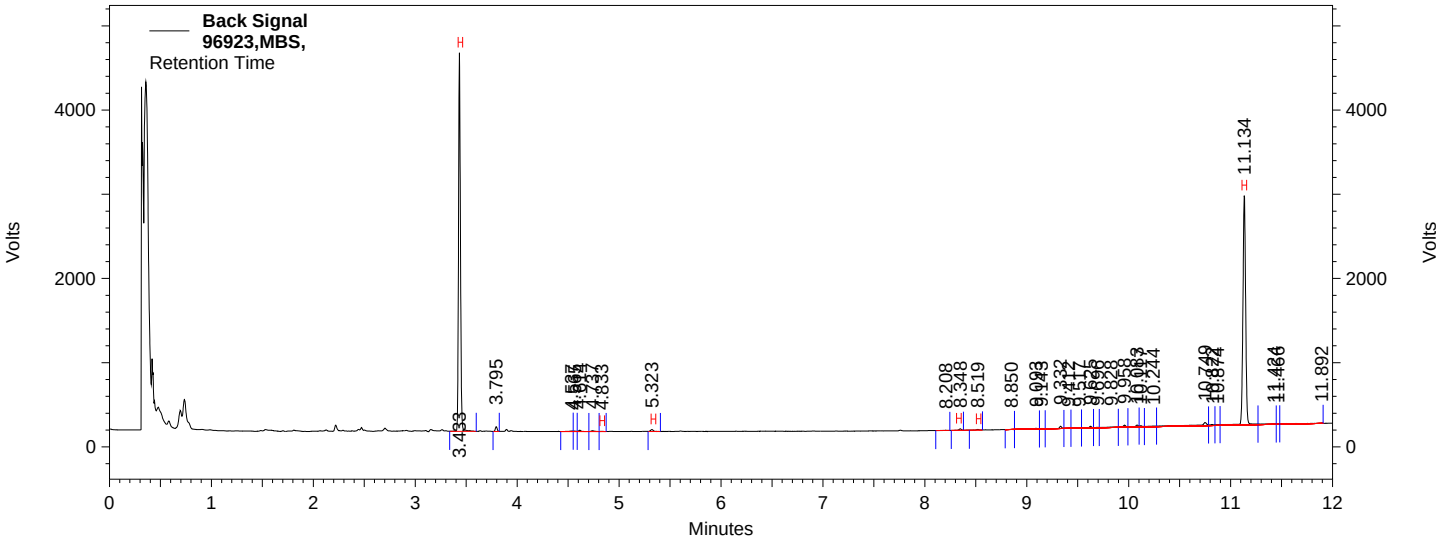
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.085	74690015	81.1351
ALPHABHC			0.0000 BDL
LINDANE			0.0000 BDL
BETABHC			0.0000 BDL
DELTABHC	4.107	455071	0.0001
HEPTACHLOR			0.0000 BDL
ALDRIN			0.0000 BDL
HEPTAEPOX			0.0000 BDL
GAMMACHLOR			0.0000 BDL
ALPHACHLOR	5.644	133171	0.0000
44DDE	5.724	124105	0.0001
ENDOI			0.0000 BDL
DIELDRIN			0.0000 BDL
ENDRIN			0.0000 BDL
44DDD	6.602	66103	0.0000
ENDOII	6.896	385988	0.0000
44DDT			0.0000 BDL
ENDRINALDEH	7.562	119144	0.0000
METHOXYCL			0.0000 BDL
ENDOSULFATE			0.0000 BDL
ENDRINKETONE			0.0000 BDL
SURRDCBPEST	9.808	75185138	94.4571

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\021.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: 96923,MBS,
Acquired: Aug 23,2013 16:31:00
Printed: Aug 24,2013 22:14:03

Data Summary: {Data Description}



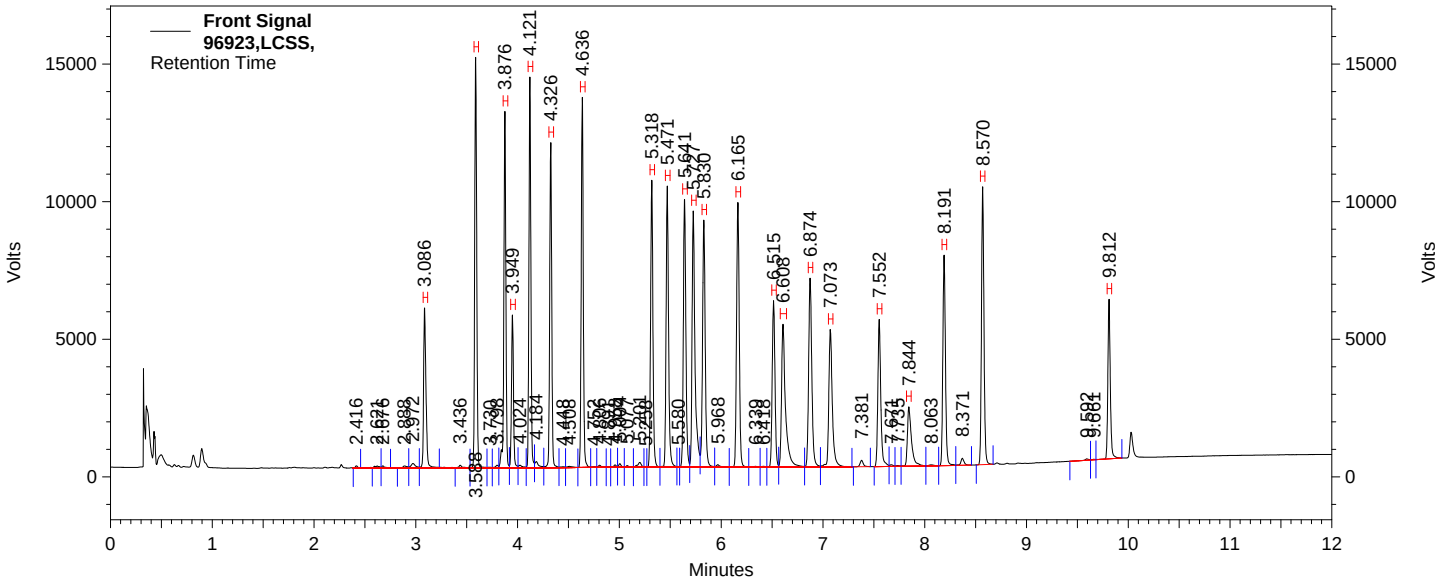
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.433	45985606	87.0478
ALPHABHC			0.0000 BDL
LINDANE			0.0000 BDL
BETABHC			0.0000 BDL
DELTABHC	4.833	49321	0.0001
HEPTACHLOR			0.0000 BDL
ALDRIN	5.323	355666	0.0002
HEPTAEPOX			0.0000 BDL
GAMMACHLOR			0.0000 BDL
ALPHACHLOR			0.0000 BDL
ENDOI			0.0000 BDL
44DDE			0.0000 BDL
DIELDRIN			0.0000 BDL
ENDRIN			0.0000 BDL
44DDD			0.0000 BDL
ENDOII			0.0000 BDL
44DDT	8.348	235980	0.0001
ENDRINALDEH	8.519	153572	0.0000
ENDOSULFATE			0.0000 BDL
METHOXYCL			0.0000 BDL
ENDRINKETONE			0.0000 BDL
SURRDCBPEST	11.134	39459824	97.0093

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\022.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: 96923,LCSS,
Acquired: Aug 23,2013 16:46:33
Printed: Aug 24,2013 22:14:16

Data Summary: {Data Description}



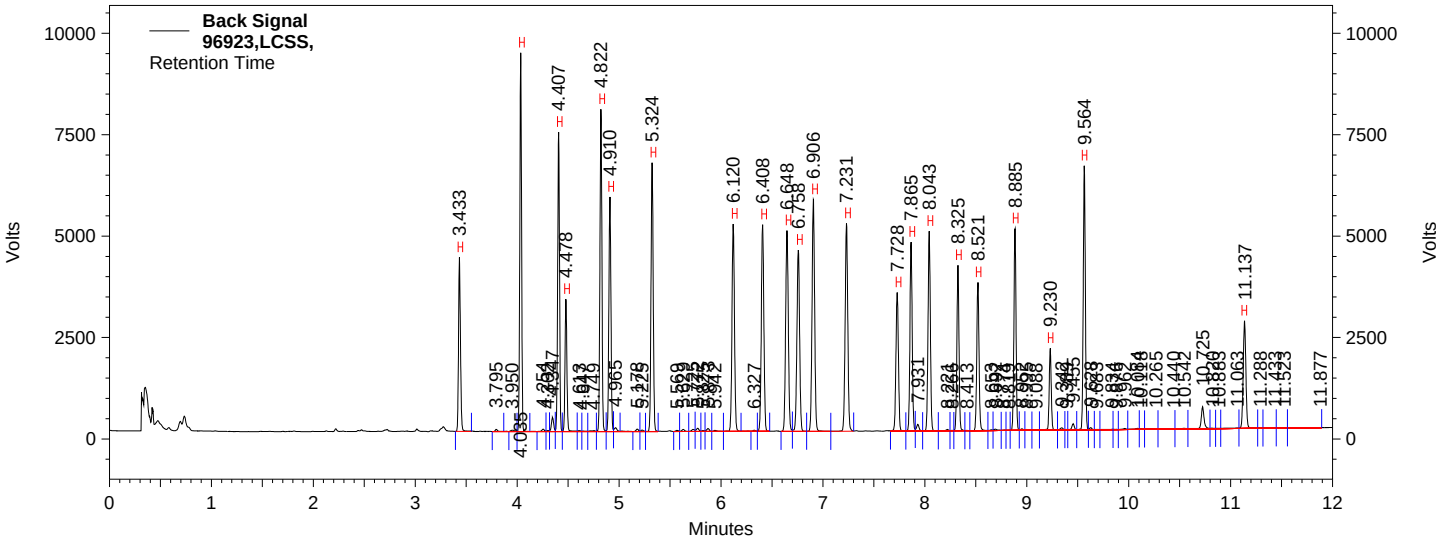
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.086	71770199	78.0216
ALPHABHC	3.588	155920088	0.0390
LINDANE	3.876	137741445	0.0398
BETABHC	3.949	56811596	0.0403
DELTABHC	4.121	143164278	0.0407
HEPTACHLOR	4.326	125099785	0.0401
ALDRIN	4.636	144366483	0.0382
HEPTAEPOX	5.318	126640579	0.0404
GAMMACHLOR	5.471	130976342	0.0408
ALPHACHLOR	5.641	128478464	0.0402
44DDE	5.727	141946861	0.0398
ENDOI	5.830	125595930	0.0410
DIELDRIN	6.165	134304335	0.0415
ENDRIN	6.515	87194147	0.0414
44DDD	6.608	107814084	0.0424
ENDOII	6.874	114003883	0.0429
44DDT	7.073	91856997	0.0443
ENDRINALDEH	7.552	82531061	0.0368
METHOXYCL	7.844	45756873	0.0449
ENDOSULFATE	8.191	104295470	0.0433
ENDRINKETONE	8.570	131542925	0.0434
SURRDCBPEST	9.812	73718310	92.6180

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\022.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: 96923,LCSS,
Acquired: Aug 23,2013 16:46:33
Printed: Aug 24,2013 22:14:16

Data Summary: {Data Description}



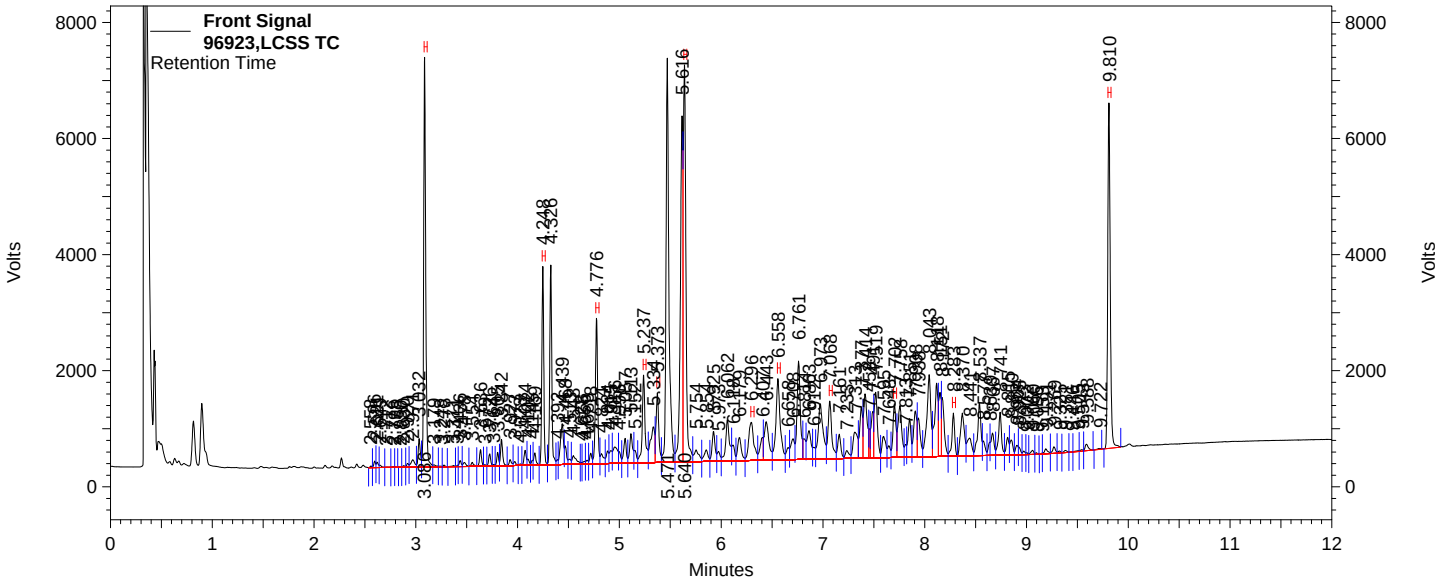
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.433	44166614	83.6928
ALPHABHC	4.035	86551200	0.0406
LINDANE	4.407	71969284	0.0413
BETABHC	4.478	32297490	0.0420
DELTABHC	4.822	80910003	0.0423
HEPTACHLOR	4.910	61369813	0.0425
ALDRIN	5.324	74940823	0.0391
HEPTAEPOX	6.120	66612990	0.0416
GAMMACHLOR	6.408	68142330	0.0422
ALPHACHLOR	6.648	68432372	0.0417
ENDOI	6.758	63161009	0.0422
44DDE	6.906	78247438	0.0408
DIELDRIN	7.231	71057069	0.0427
ENDRIN	7.728	44266920	0.0422
44DDD	7.865	55634597	0.0451
ENDOII	8.043	60212563	0.0447
44DDT	8.325	45344308	0.0448
ENDRINALDEH	8.521	43392161	0.0379
ENDOSULFATE	8.885	55470309	0.0451
METHOXYCL	9.230	21319074	0.0455
ENDRINKETONE	9.564	69394322	0.0465
SURRDCBPEST	11.137	37717637	92.5780

Pesticide (TOX/Chlordane) Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\023.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: 96923,LCSS TC
Acquired: Aug 23,2013 17:01:54
Printed: Aug 24,2013 22:14:20

Data Summary: {Data Description}



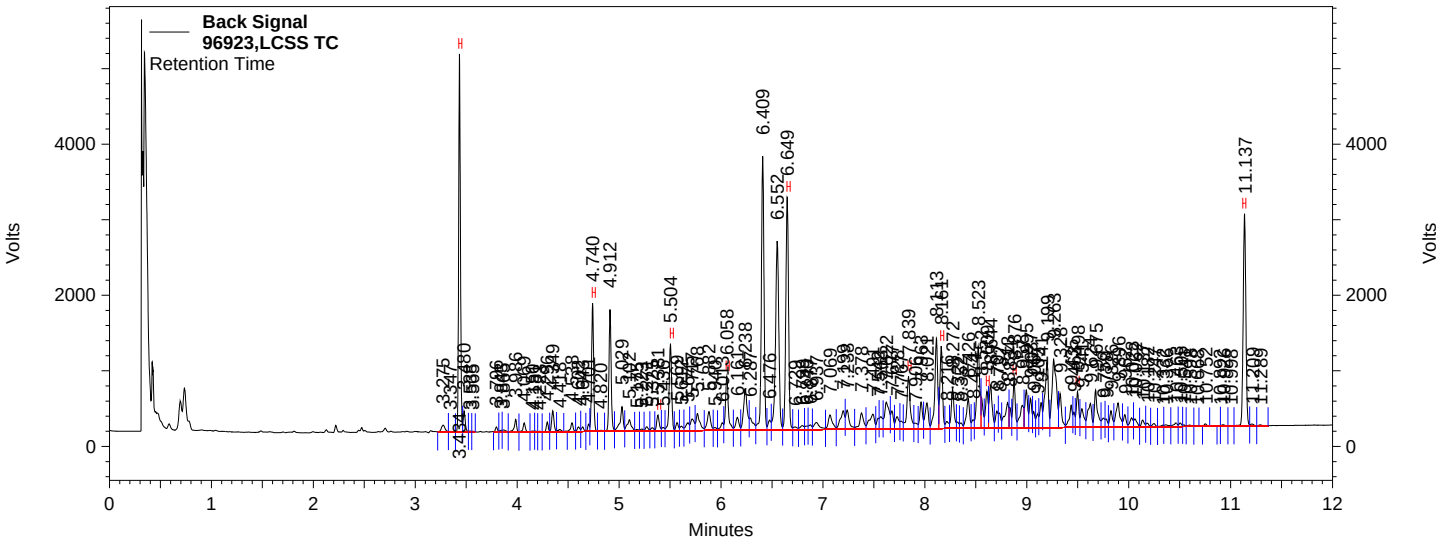
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.086	74503247	82.4334
Chlordane #1	4.248	34008928	0.0472
Chlordane #2	4.776	30472795	0.0471
Chlordane #3	5.237	22736022	0.0465
Chlordane #4	5.373	17205228	0.0560
Chlordane #5	5.640	93083956	0.0506
Toxaphene #1	6.296	17833149	0.0486
Toxaphene #2	6.558	31494685	0.0487
Toxaphene #3	7.068	19214442	0.0488
Toxaphene #4	7.702	14347258	0.0497
Toxaphene #5	8.283	10611436	0.0480
SURRDCBPEST	9.810	78181410	96.9942
Chlordane		197506929	0.2473
Toxaphene		93500970	0.2438

Pesticide (TOX/Chlordane) Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\023.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: 96923,LCSS TC
Acquired: Aug 23,2013 17:01:54
Printed: Aug 24,2013 22:14:20

Data Summary: {Data Description}



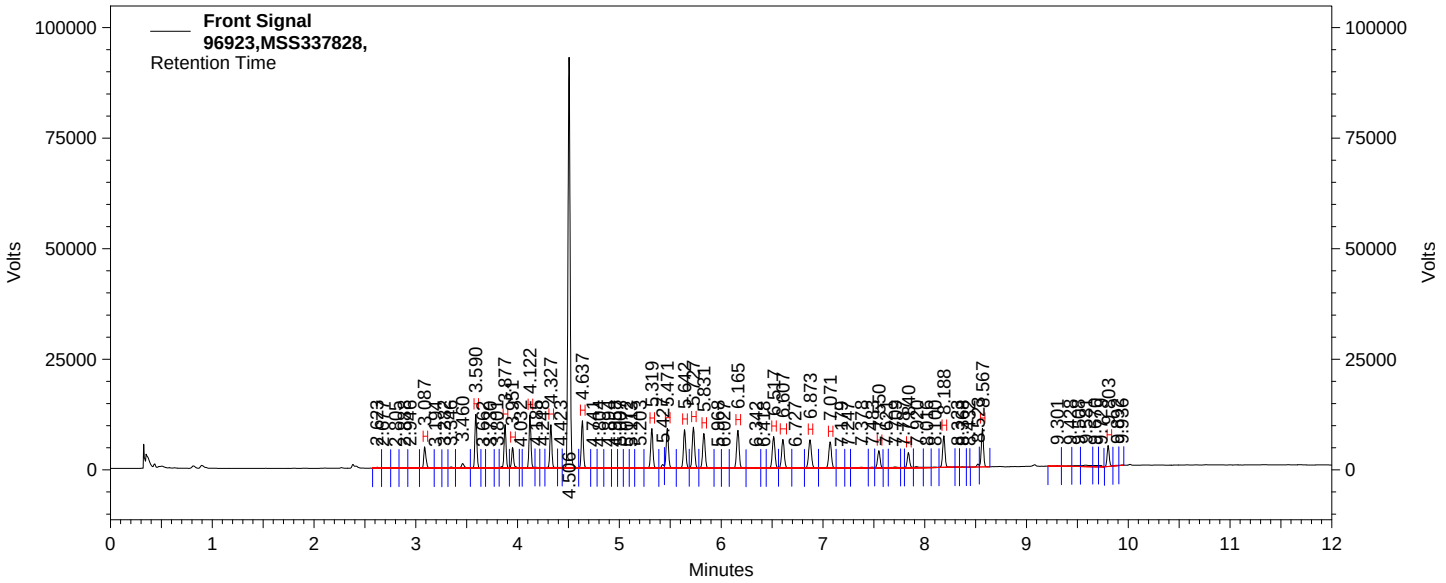
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.434	47353559	90.8446
Chlordane #1	4.740	18088967	0.0482
Chlordane #2	5.381	2822460	0.0456
Chlordane #3	5.504	15138327	0.0488
Chlordane #4	6.058	10620107	0.0484
Chlordane #5	6.649	43447850	0.0496
Toxaphene #1	7.839	12143747	0.0511
Toxaphene #2	8.161	14773692	0.0529
Toxaphene #3	8.609	6594228	0.0522
Toxaphene #4	8.876	7883277	0.0534
Toxaphene #5	9.498	6103363	0.0546
SURRDCBPEST	11.137	39754468	98.8302
Chlordane		90117711	0.2406
Toxaphene		47498307	0.2642

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\025.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: 96923,MSS337828,
Acquired: Aug 23,2013 17:32:46
Printed: Aug 24,2013 22:14:25

Data Summary: {Data Description}



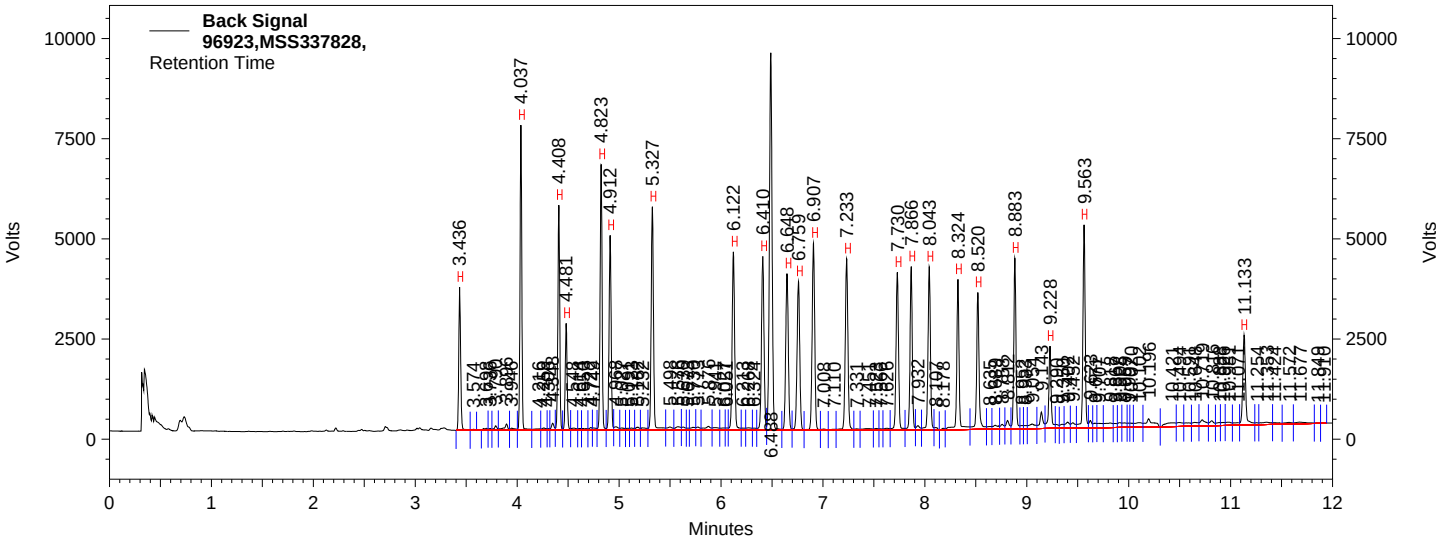
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.087	57336860	62.5572
ALPHABHC	3.590	126201369	0.0320
LINDANE	3.877	105425372	0.0310
BETABHC	3.951	51129523	0.0364
DELTABHC	4.122	124147362	0.0357
HEPTACHLOR	4.327	106105152	0.0344
ALDRIN	4.637	118466643	0.0316
HEPTAEPOX	5.319	107371469	0.0344
GAMMACHLOR	5.471	110050658	0.0347
ALPHACHLOR	5.642	109564449	0.0346
44DDE	5.727	117189523	0.0334
ENDOI	5.831	104601217	0.0343
DIELDRIN	6.165	114765312	0.0358
ENDRIN	6.517	101199771	0.0474
44DDD	6.607	92519817	0.0368
ENDOII	6.873	97152007	0.0368
44DDT	7.071	86530977	0.0421
ENDRINALDEH	7.550	53035831	0.0239
METHOXYCL	7.840	43461099	0.0429
ENDOSULFATE	8.188	89056969	0.0372
ENDRINKETONE	8.567	99242754	0.0332
SURRDCBPEST	9.803	53329830	66.8904

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\025.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: 96923,MSS337828,
Acquired: Aug 23,2013 17:32:46
Printed: Aug 24,2013 22:14:25

Data Summary: {Data Description}



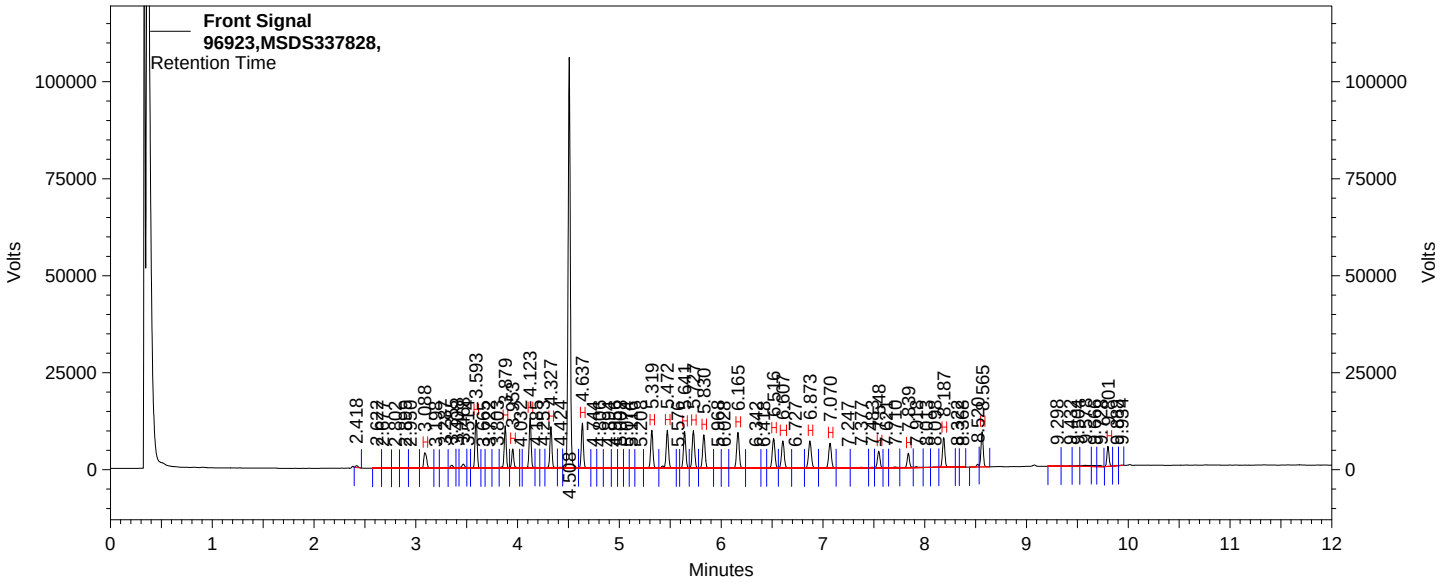
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.436	35777517	68.1265
ALPHABHC	4.037	71499168	0.0341
LINDANE	4.408	55253455	0.0326
BETABHC	4.481	26756232	0.0352
DELTABHC	4.823	68143152	0.0363
HEPTACHLOR	4.912	51900682	0.0366
ALDRIN	5.327	67447913	0.0355
HEPTAEPOX	6.122	58097127	0.0366
GAMMACHLOR	6.410	58155406	0.0366
ALPHACHLOR	6.648	52734658	0.0328
ENDOI	6.759	52445823	0.0355
44DDE	6.907	63607452	0.0337
DIELDRIN	7.233	59972824	0.0366
ENDRIN	7.730	51220027	0.0481
44DDD	7.866	48124533	0.0397
ENDOII	8.043	51823802	0.0389
44DDT	8.324	46984547	0.0461
ENDRINALDEH	8.520	43570891	0.0381
ENDOSULFATE	8.883	48703532	0.0400
METHOXYCL	9.228	24952528	0.0524
ENDRINKETONE	9.563	58919883	0.0400
SURRDCBPEST	11.133	33827525	82.7171

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\026.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: 96923,MSDS337828,
Acquired: Aug 23,2013 17:48:17
Printed: Aug 24,2013 22:14:27

Data Summary: {Data Description}



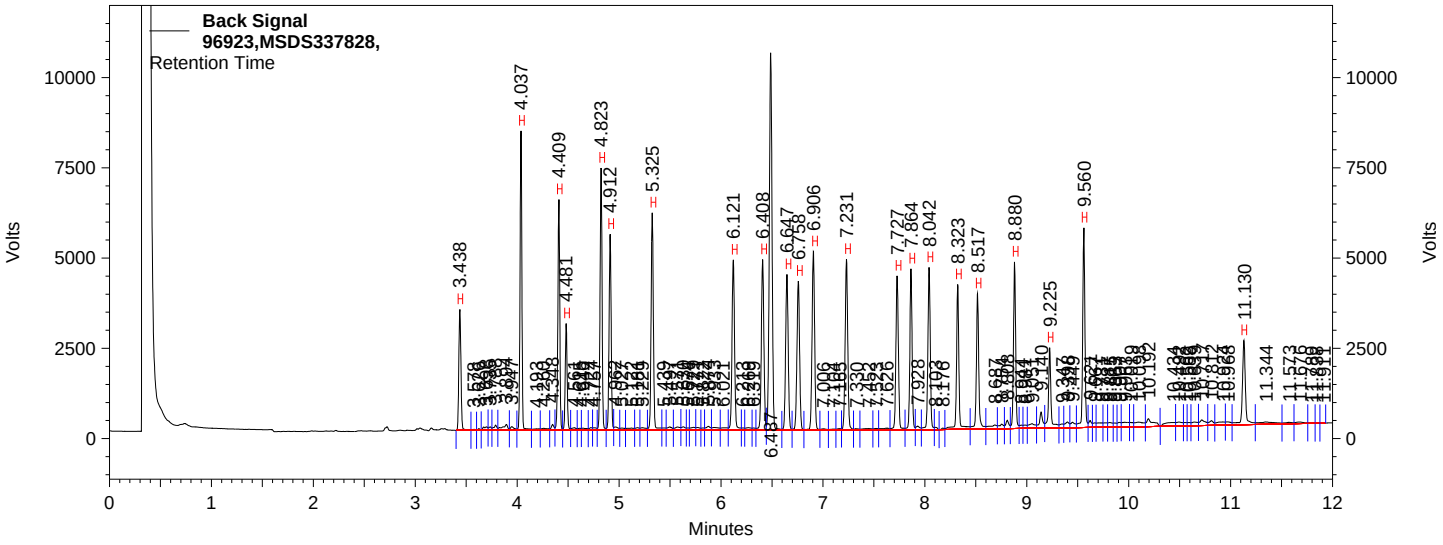
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.088	61780271	67.3311
ALPHABHC	3.593	140880600	0.0355
LINDANE	3.879	118677824	0.0347
BETABHC	3.953	55925296	0.0397
DELTABHC	4.123	137288050	0.0392
HEPTACHLOR	4.327	118319620	0.0381
ALDRIN	4.637	128632342	0.0342
HEPTAEPOX	5.319	116985047	0.0374
GAMMACHLOR	5.472	127133138	0.0397
ALPHACHLOR	5.641	117402888	0.0369
44DDE	5.727	123606633	0.0351
ENDOI	5.830	114019146	0.0373
DIELDRIN	6.165	124746097	0.0387
ENDRIN	6.516	108780066	0.0505
44DDD	6.607	100304966	0.0397
ENDOII	6.873	104923035	0.0396
44DDT	7.070	93558786	0.0449
ENDRINALDEH	7.548	59221736	0.0266
METHOXYCL	7.839	47623308	0.0464
ENDOSULFATE	8.187	95665346	0.0398
ENDRINKETONE	8.565	106411054	0.0355
SURRDCBPEST	9.801	57312057	71.9397

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\026.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: 96923,MSDS337828,
Acquired: Aug 23,2013 17:48:17
Printed: Aug 24,2013 22:14:27

Data Summary: {Data Description}



Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.438	37997602	72.2611
ALPHABHC	4.037	80292056	0.0379
LINDANE	4.409	64713599	0.0376
BETABHC	4.481	29924253	0.0391
DELTABHC	4.823	75221312	0.0396
HEPTACHLOR	4.912	58109325	0.0405
ALDRIN	5.325	71053552	0.0373
HEPTAEPOX	6.121	63399491	0.0398
GAMMACHLOR	6.408	63624964	0.0397
ALPHACHLOR	6.647	57114829	0.0353
ENDOI	6.758	56976443	0.0384
44DDE	6.906	67104494	0.0354
DIELDRIN	7.231	64370168	0.0391
ENDRIN	7.727	55346845	0.0515
44DDD	7.864	52263277	0.0427
ENDOII	8.042	56534881	0.0422
44DDT	8.323	50668038	0.0492
ENDRINALDEH	8.517	46974692	0.0409
ENDOSULFATE	8.880	52501876	0.0429
METHOXYCL	9.225	28217122	0.0584
ENDRINKETONE	9.560	63515461	0.0428
SURRDCBPEST	11.130	37643009	92.3884

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 24,2013 22:14:31

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082313pst\027.dat	PEST MRL PP 3946	Aug 24,2013 22:14:31

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	5.000	5.453	9.069	30.000	Passed
ALPHABHC	0.002	0.002	8.097	30.000	Passed
LINDANE	0.002	0.002	0.696	30.000	Passed
BETABHC	0.002	0.002	7.248	30.000	Passed
DELTABHC	0.002	0.002	7.394	30.000	Passed
HEPTACHLOR	0.002	0.002	6.657	30.000	Passed
ALDRIN	0.002	0.002	10.213	30.000	Passed
HEPTAEPOX	0.002	0.002	12.107	30.000	Passed
GAMMACHLOR	0.002	0.002	14.239	30.000	Passed
ALPHACHLOR	0.002	0.002	15.546	30.000	Passed
44DDE	0.002	0.002	12.412	30.000	Passed
ENDOI	0.002	0.002	14.540	30.000	Passed
DIELDRIN	0.002	0.002	16.728	30.000	Passed
ENDRIN	0.002	0.002	22.723	30.000	Passed
44DDD	0.002	0.002	19.001	30.000	Passed
ENDOII	0.002	0.002	18.036	30.000	Passed
44DDT	0.002	0.002	12.528	30.000	Passed
ENDRINALDEH	0.002	0.002	19.752	30.000	Passed
METHOXYCL	0.002	0.002	17.712	30.000	Passed
ENDOSULFATE	0.002	0.002	16.749	30.000	Passed
ENDRINKETONE	0.002	0.002	14.520	30.000	Passed
SURRDCBPEST	5.000	4.180	16.408	30.000	Passed

Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	5.000	5.304	6.087	30.000	Passed
ALPHABHC	0.002	0.002	16.772	30.000	Passed
LINDANE	0.002	0.002	16.322	30.000	Passed
BETABHC	0.002	0.002	22.649	30.000	Passed
DELTABHC	0.002	0.002	17.068	30.000	Passed
HEPTACHLOR	0.002	0.002	22.247	30.000	Passed
ALDRIN	0.002	0.002	12.869	30.000	Passed
HEPTAEPOX	0.002	0.002	19.501	30.000	Passed
GAMMACHLOR	0.002	0.002	22.049	30.000	Passed
ALPHACHLOR	0.002	0.002	19.428	30.000	Passed
ENDOI	0.002	0.002	20.656	30.000	Passed
44DDE	0.002	0.002	11.196	30.000	Passed
DIELDRIN	0.002	0.002	20.511	30.000	Passed
ENDRIN	0.002	0.003	25.922	30.000	Passed
44DDD	0.002	0.002	22.179	30.000	Passed
ENDOII	0.002	0.002	21.794	30.000	Passed
44DDT	0.002	0.003	25.441	30.000	Passed
ENDRINALDEH	0.002	0.002	24.205	30.000	Passed
ENDOSULFATE	0.002	0.003	29.218	30.000	Passed
METHOXYCL	0.002	0.002	19.279	30.000	Passed

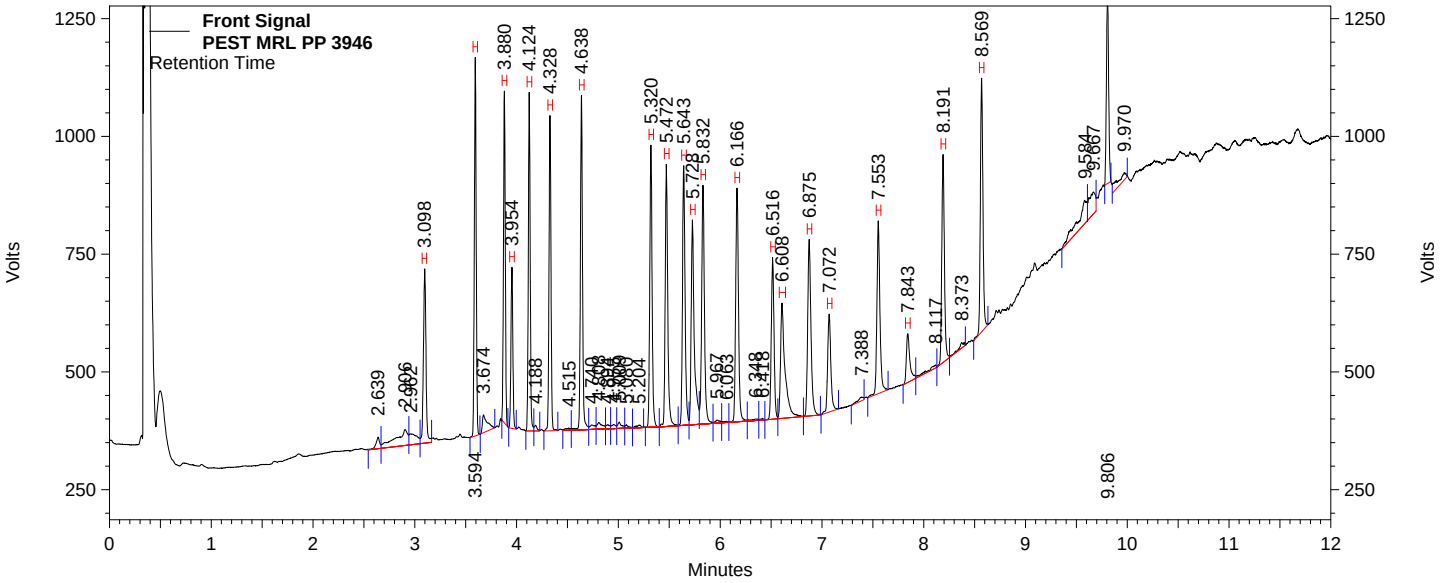
Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 24,2013 22:14:31

ENDRINKETONE	0.002	0.002	22.258	30.000	**Passed**
SURRDCBPEST	5.000	6.394	27.886	30.000	**Passed**

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\027.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: PEST MRL PP 3946
Acquired: Aug 23,2013 18:03:40
Printed: Aug 24,2013 22:14:29

Data Summary: {Data Description}



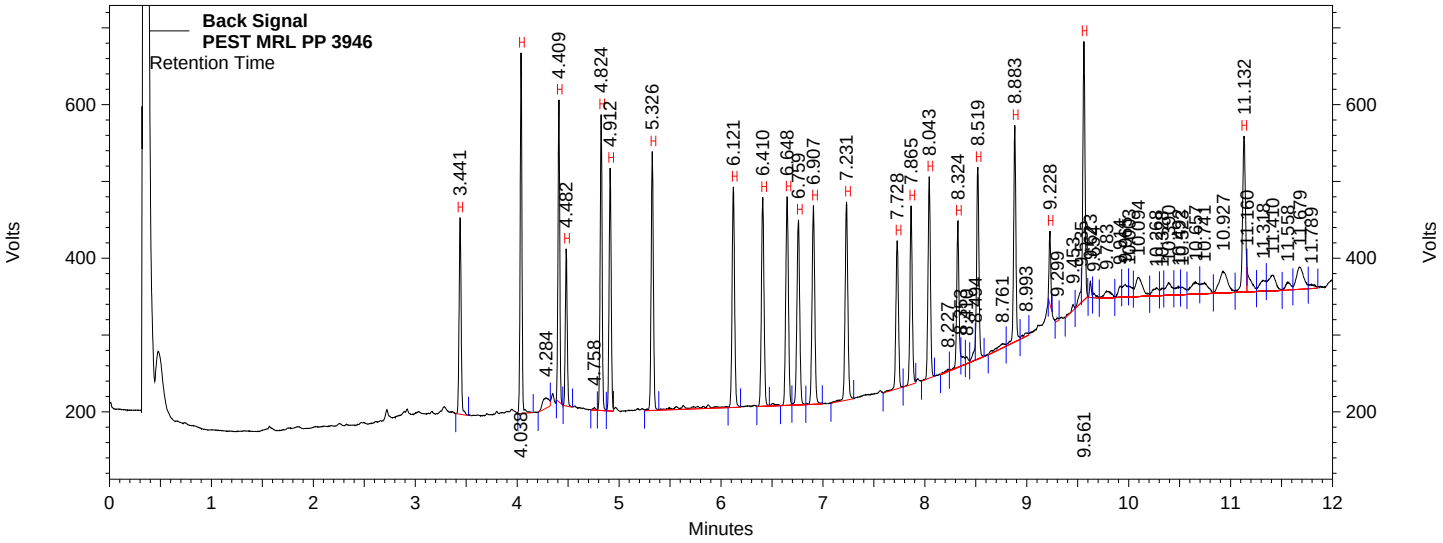
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.098	5034953	5.4534
ALPHABHC	3.594	7777652	0.0022
LINDANE	3.880	6599363	0.0020
BETABHC	3.954	3399262	0.0021
DELTABHC	4.124	6936735	0.0021
HEPTACHLOR	4.328	6803203	0.0021
ALDRIN	4.638	7861689	0.0022
HEPTAEPOX	5.320	7304717	0.0022
GAMMACHLOR	5.472	7433170	0.0023
ALPHACHLOR	5.643	7415636	0.0023
44DDE	5.728	7001843	0.0022
ENDOI	5.832	7334361	0.0023
DIELDRIN	6.166	7244810	0.0023
ENDRIN	6.516	4894637	0.0025
44DDD	6.608	5712408	0.0024
ENDOII	6.875	6399225	0.0024
44DDT	7.072	3471921	0.0023
ENDRINALDEH	7.553	5816654	0.0024
METHOXYCL	7.843	1893313	0.0024
ENDOSULFATE	8.191	5989896	0.0023
ENDRINKETONE	8.569	7231786	0.0023
SURRDCBPEST	9.806	4654156	4.1796

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\027.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: PEST MRL PP 3946
Acquired: Aug 23,2013 18:03:40
Printed: Aug 24,2013 22:14:29

Data Summary: {Data Description}



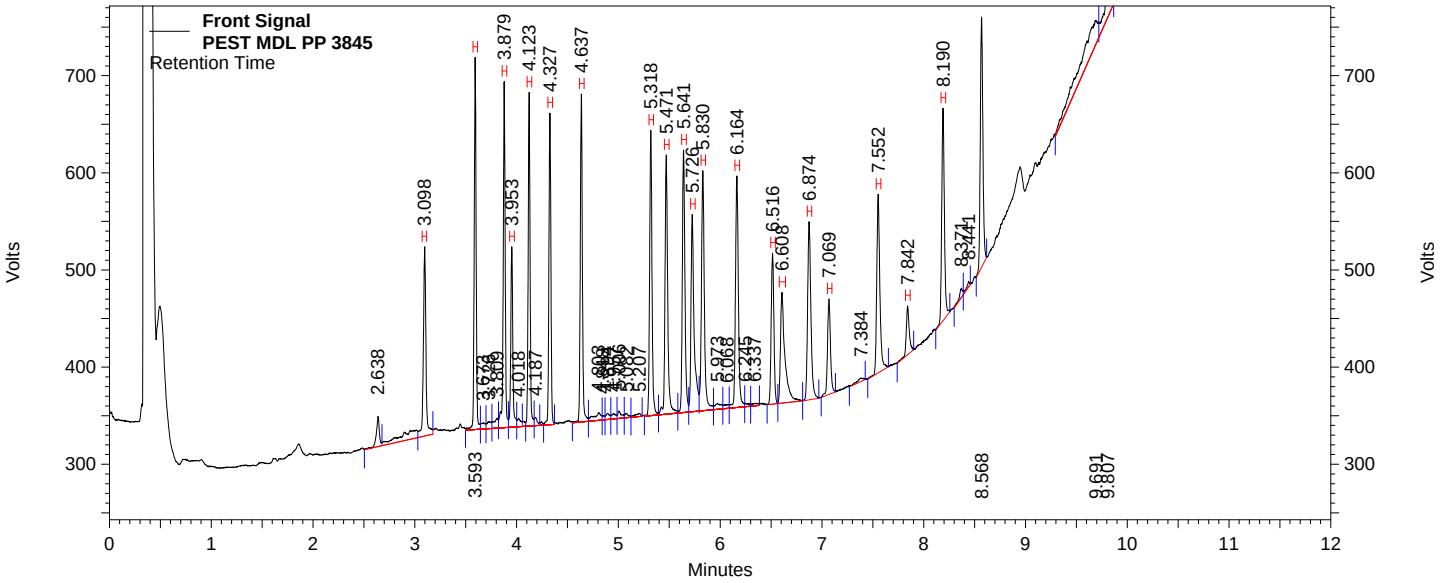
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.441	2770761	5.3044
ALPHABHC	4.038	4375833	0.0023
LINDANE	4.409	3675601	0.0023
BETABHC	4.482	2008173	0.0025
DELTABHC	4.824	3910540	0.0023
HEPTACHLOR	4.912	3360798	0.0024
ALDRIN	5.326	3903449	0.0023
HEPTAEPOX	6.121	3751045	0.0024
GAMMACHLOR	6.410	3733522	0.0024
ALPHACHLOR	6.648	3763646	0.0024
ENDOI	6.759	3527725	0.0024
44DDE	6.907	3725687	0.0022
DIELDRIN	7.231	3721621	0.0024
ENDRIN	7.728	2570172	0.0025
44DDD	7.865	2798236	0.0024
ENDOII	8.043	3278126	0.0024
44DDT	8.324	2235946	0.0025
ENDRINALDEH	8.519	3020591	0.0025
ENDOSULFATE	8.883	3275891	0.0026
METHOXYCL	9.228	833759	0.0016
ENDRINKETONE	9.561	3703446	0.0024
SURRDCBPEST	11.132	3098063	6.3943

Pesticide Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\028.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: PEST MDL PP 3845
Acquired: Aug 23,2013 18:19:01
Printed: Aug 24,2013 22:14:35

Data Summary: {Data Description}



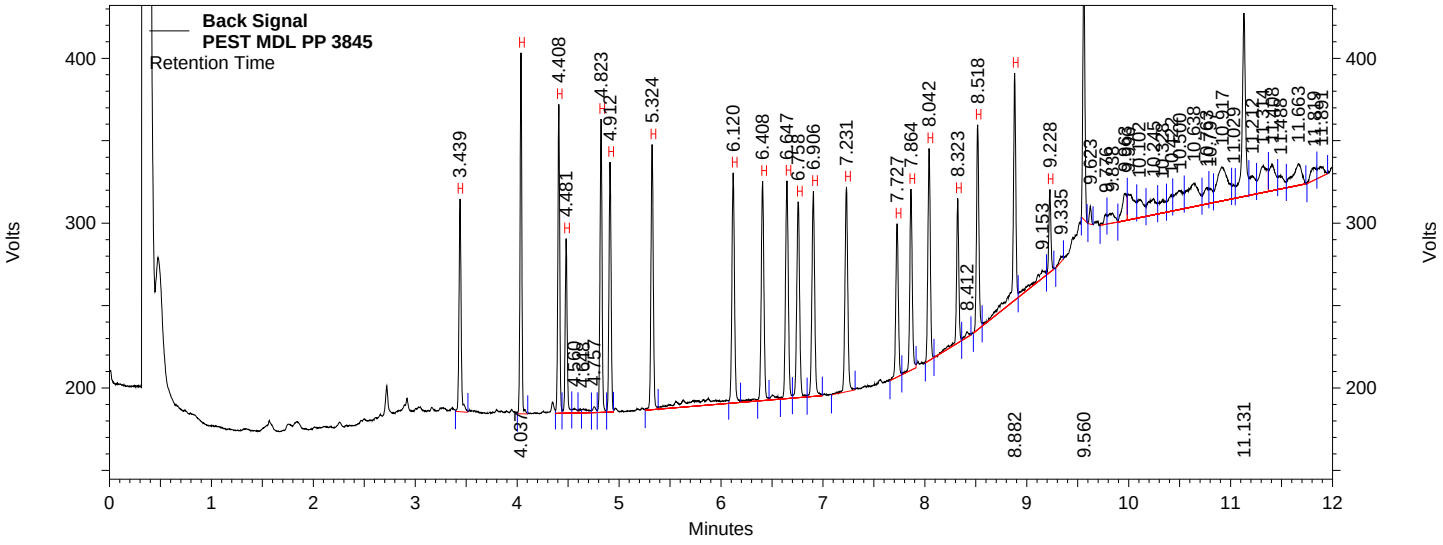
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.098	2671129	2.8316
ALPHABHC	3.593	3833229	0.0011
LINDANE	3.879	3699522	0.0011
BETABHC	3.953	1994607	0.0011
DELTABHC	4.123	3397477	0.0010
HEPTACHLOR	4.327	3313168	0.0009
ALDRIN	4.637	3696270	0.0011
HEPTAEPOX	5.318	3611589	0.0010
GAMMACHLOR	5.471	3774190	0.0010
ALPHACHLOR	5.641	3687552	0.0011
44DDE	5.726	3327108	0.0011
ENDOI	5.830	3751830	0.0011
DIELDRIN	6.164	3594999	0.0011
ENDRIN	6.516	2204605	0.0010
44DDD	6.608	2643855	0.0011
ENDOII	6.874	3157669	0.0011
44DDT	7.069	1514361	0.0011
ENDRINALDEH	7.552	3023094	0.0011
METHOXYCL	7.842	790728	0.0011
ENDOSULFATE	8.190	3030071	0.0010
ENDRINKETONE	8.568	3490435	0.0010
SURRDCBPEST	9.807	3248216	2.3401

Pesticide Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\028.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313pst.met
User: JJY
Sample ID: PEST MDL PP 3845
Acquired: Aug 23,2013 18:19:01
Printed: Aug 24,2013 22:14:35

Data Summary: {Data Description}



Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.439	1414947	2.6671
ALPHABHC	4.037	2017616	0.0011
LINDANE	4.408	1838012	0.0011
BETABHC	4.481	1103590	0.0012
DELTABHC	4.823	1865620	0.0011
HEPTACHLOR	4.912	1638184	0.0011
ALDRIN	5.324	1931794	0.0011
HEPTAEPOX	6.120	1895879	0.0011
GAMMACHLOR	6.408	1870029	0.0011
ALPHACHLOR	6.647	1899406	0.0011
ENDOI	6.758	1790570	0.0011
44DDE	6.906	1826112	0.0011
DIELDRIN	7.231	1836844	0.0012
ENDRIN	7.727	1215265	0.0011
44DDD	7.864	1409531	0.0012
ENDOII	8.042	1621435	0.0011
44DDT	8.323	1054930	0.0011
ENDRINALDEH	8.518	1509396	0.0011
ENDOSULFATE	8.882	1979484	0.0014
METHOXYCL	9.228	532896	0.0009
ENDRINKETONE	9.560	1637896	0.0009
SURRDCBPEST	11.131	2016130	3.7559

QC Check Standard Report

Sequence : C:\Instarch\Semi6\Sequence\082313pst.seq
User : JJY
Printed : Aug 24,2013 22:14:39

File	Sample ID	Acquired
C:\Instarch\Semi6\Data\082313pst\029.dat	TC MRL PP 3947	Aug 24,2013 22:14:39

Front Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	14.400	13.364	7.194	30.000	Passed
Chlordane #1	0.012	0.012	3.142	30.000	Passed
Chlordane #2	0.012	0.013	6.692	30.000	Passed
Chlordane #3	0.012	0.013	7.591	30.000	Passed
Chlordane #4	0.012	0.015	25.906	30.000	Passed
Chlordane #5	0.012	0.013	8.122	30.000	Passed
Toxaphene #1	0.012	0.014	16.941	30.000	Passed
Toxaphene #2	0.012	0.013	12.493	30.000	Passed
Toxaphene #3	0.012	0.014	14.756	30.000	Passed
Toxaphene #4	0.012	0.014	13.447	30.000	Passed
Toxaphene #5	0.012	0.013	9.090	30.000	Passed
SURRDCBPEST	14.400	15.426	7.124	30.000	Passed
Chlordane	0.060	0.065	9.034	30.000	Passed
Toxaphene	0.060	0.068	13.345	30.000	Passed

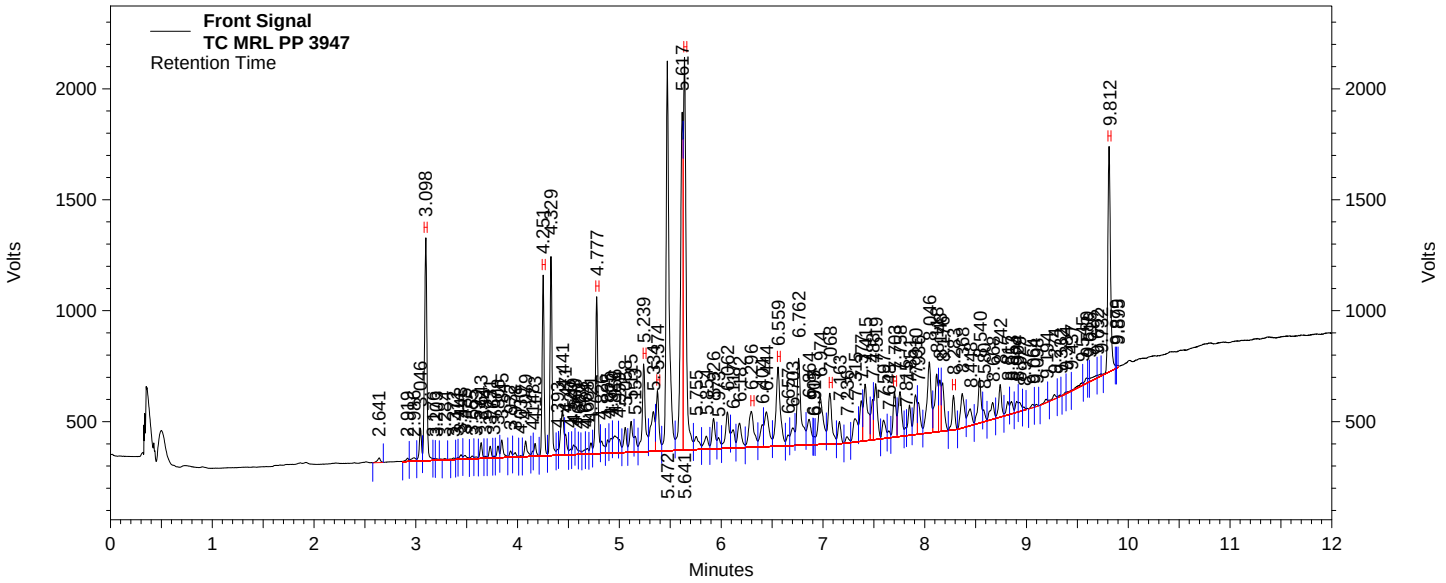
Back Signal

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPEST	14.400	13.922	3.323	30.000	Passed
Chlordane #1	0.012	0.012	1.768	30.000	Passed
Chlordane #2	0.012	0.013	4.621	30.000	Passed
Chlordane #3	0.012	0.014	13.059	30.000	Passed
Chlordane #4	0.012	0.013	12.344	30.000	Passed
Chlordane #5	0.012	0.014	13.139	30.000	Passed
Toxaphene #1	0.012	0.014	16.687	30.000	Passed
Toxaphene #2	0.012	0.014	17.273	30.000	Passed
Toxaphene #3	0.012	0.015	27.549	30.000	Passed
Toxaphene #4	0.012	0.014	20.716	30.000	Passed
Toxaphene #5	0.012	0.015	22.222	30.000	Passed
SURRDCBPEST	14.400	16.192	12.444	30.000	Passed
Chlordane	0.060	0.065	8.986	30.000	Passed
Toxaphene	0.060	0.073	20.889	30.000	Passed

Pesticide (TOX/Chlordane) Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\029.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: TC MRL PP 3947
Acquired: Aug 23,2013 18:34:23
Printed: Aug 24,2013 22:14:37

Data Summary: {Data Description}



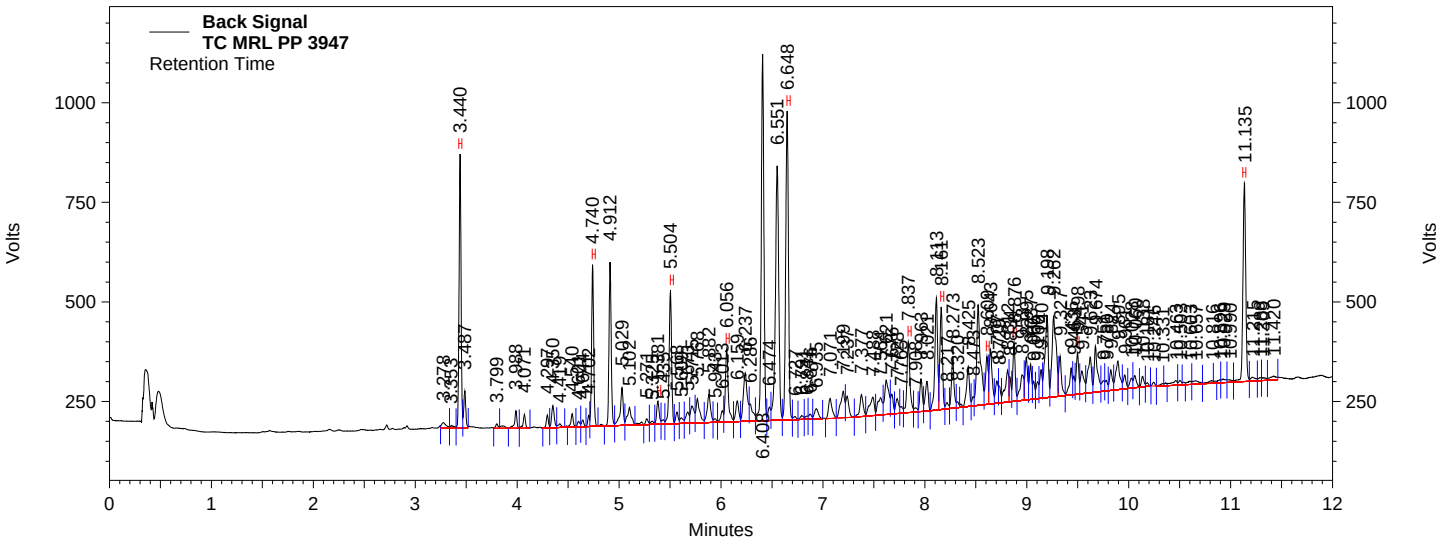
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.098	12430973	13.3640
Chlordane #1	4.251	8428046	0.0116
Chlordane #2	4.777	8964737	0.0128
Chlordane #3	5.239	6336049	0.0129
Chlordane #4	5.374	4090617	0.0151
Chlordane #5	5.641	25137159	0.0130
Toxaphene #1	6.296	4413918	0.0140
Toxaphene #2	6.559	8083212	0.0135
Toxaphene #3	7.068	4625117	0.0138
Toxaphene #4	7.703	3113884	0.0136
Toxaphene #5	8.283	2244175	0.0131
SURRDCBPEST	9.812	14108290	15.4259
Chlordane		52956608	0.0654
Toxaphene		22480306	0.0680

Pesticide (TOX/Chlordane) Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\029.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: TC MRL PP 3947
Acquired: Aug 23,2013 18:34:23
Printed: Aug 24,2013 22:14:37

Data Summary: {Data Description}



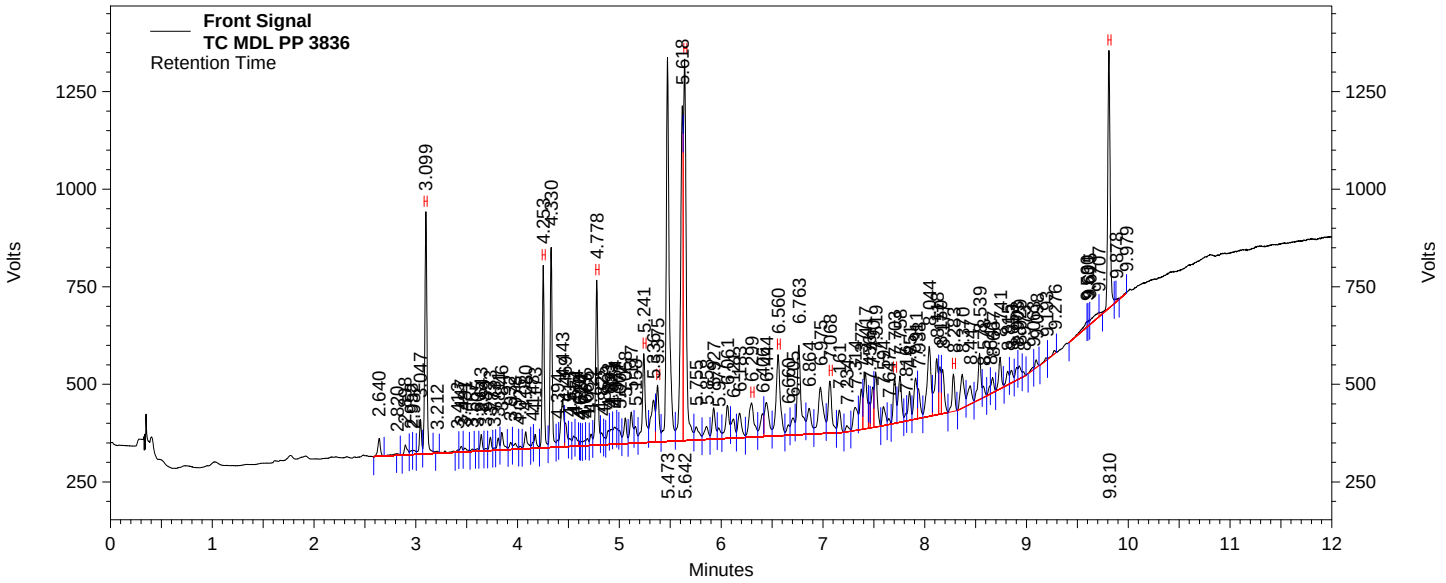
Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.440	7196654	13.9215
Chlordane #1	4.740	4400529	0.0122
Chlordane #2	5.381	759503	0.0126
Chlordane #3	5.504	4361844	0.0136
Chlordane #4	6.056	2730787	0.0135
Chlordane #5	6.648	10981105	0.0136
Toxaphene #1	7.837	2803102	0.0140
Toxaphene #2	8.161	3450738	0.0141
Toxaphene #3	8.609	1684842	0.0153
Toxaphene #4	8.876	1805767	0.0145
Toxaphene #5	9.498	1367189	0.0147
SURRDCBPEST	11.135	7308728	16.1919
Chlordane		23233768	0.0654
Toxaphene		11111638	0.0725

Pesticide (TOX/Chlordane) Analysis Report *(Channel A)*

Data File: C:\Instarch\Semi6\Data\082313pst\030.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: TC MDL PP 3836
Acquired: Aug 23,2013 18:49:56
Printed: Aug 24,2013 22:14:42

Data Summary: {Data Description}



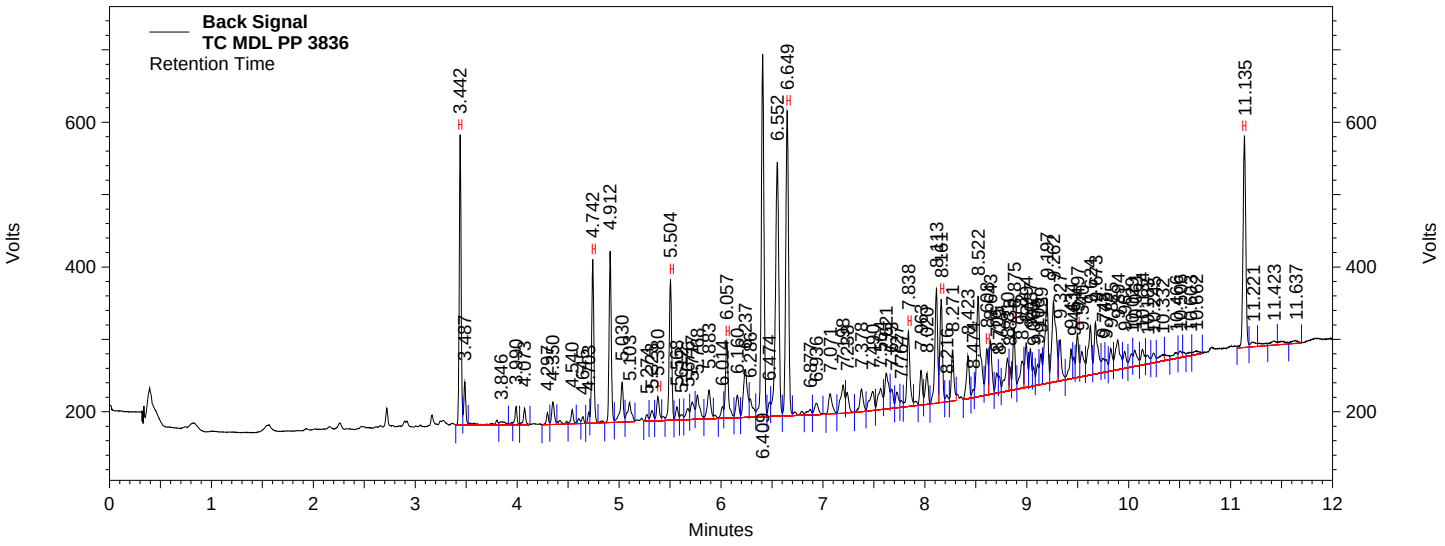
Front Signal Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.099	6977649	7.2960
Chlordane #1	4.253	4821826	0.0066
Chlordane #2	4.778	5314442	0.0070
Chlordane #3	5.241	3698587	0.0075
Chlordane #4	5.375	2207337	0.0092
Chlordane #5	5.642	13981465	0.0068
Toxaphene #1	6.299	2345074	0.0087
Toxaphene #2	6.560	4563486	0.0082
Toxaphene #3	7.068	2548292	0.0088
Toxaphene #4	7.703	1659900	0.0089
Toxaphene #5	8.283	1334566	0.0093
SURRDCBPEST	9.810	8232075	7.9452
Chlordane		30023657	0.0371
Toxaphene		12451318	0.0439

Pesticide (TOX/Chlordane) Analysis Report *(Channel B)*

Data File: C:\Instarch\Semi6\Data\082313pst\030.dat
Method: C:\Instarch\Semi6\Methods\Pesticides\082213pstic\082313tc.met
User: JJY
Sample ID: TC MDL PP 3836
Acquired: Aug 23,2013 18:49:56
Printed: Aug 24,2013 22:14:42

Data Summary: {Data Description}



Back Signal Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPEST	3.442	3923343	7.6513
Chlordane #1	4.742	2544202	0.0073
Chlordane #2	5.380	461316	0.0078
Chlordane #3	5.504	2541627	0.0076
Chlordane #4	6.057	1564442	0.0083
Chlordane #5	6.649	6080677	0.0081
Toxaphene #1	7.838	1604698	0.0092
Toxaphene #2	8.161	1942658	0.0089
Toxaphene #3	8.608	877219	0.0092
Toxaphene #4	8.875	1013280	0.0094
Toxaphene #5	9.497	818893	0.0100
SURRDCBPEST	11.135	4192107	8.2539
Chlordane		13192264	0.0392
Toxaphene		6256748	0.0468

PESTICIDE
LOGBOOK
DOCUMENTS

S PEST Analytical Run
96923 on 8/20/2013

Date Analyzed: _____ JJY 9/3/13

Date Entered: _____

Date Reviewed: _____

Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)		CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
99211	337828		8/12/2013 1455			ECC	RVAAP	PESTICIDES QSM		S	**4**	
		083SB-0012M-0001-SO							45488			
	338945							PESTICIDES QSM				
				MBS					45488			
	338946							PESTICIDES QSM				
				LCSS					45488			
	338947		8/12/2013 1455					PESTICIDES QSM				
		083SB-0012M-0001-SO		MSS	337828				45488			
	338948		8/12/2013 1455					PESTICIDES QSM				
		083SB-0012M-0001-SO		MSDS	338947				45488			

5 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

PREP WORKSHEET
on 8/20/2013

Prep Batch **45,488** Date Prepped: 8/19/2013 Prepped By MMS

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
	338945	MBS		PESTICIDES QSM	SOLID	10	10.00			
	338946	LCSS		PESTICIDES QSM	SOLID	10	10.00			
99211	337828			PESTICIDES QSM	SOIL	10	10.05		N	
	338947	MSS	337828	PESTICIDES QSM	SOIL	10	10.03			
	338948	MSDS	338947	PESTICIDES QSM	SOIL	10	10.00			

Notes:_____

Pesticides/PCB Extraction Bench Sheet

(SOP Reference #'s 8081 & 8082)

3510=WATER
3545=PFE or 3546=Microwave >>
(PFE=Pressurized Fluid Extraction)

Prep Batch #:	45488
Prep Method:	3546
Analyst:	MMS/JLH
Date:	8/19/2013
Start Time:	7:15
End Date:	8/20/2013
End Time:	10:20

Analysis Methods
8081 = Pesticides
8082 = PCBs

Matrix: SOIL
Balance Used: SVSP402
Ave MW Temp (°C): 110.0

Reagent Lots>>>

NA_2SO_4	SV0081
Diatomaceous Earth	SV0059
Dionex Solution	1516/1517
Methylene Chloride	49542
Acetone	40219
Hexane	43501

Concentration By: MMS

Concentration Date: 8/20/2013

Microwave Cell #	Sample ID	Comments		(Solids) Sample Weight (g)	(Liquids) Sample Volume (L)	Final Volume (ml)
A	338945	(MB)		10.00		10
L	338946	(LCS)		10.00		10
P	337828			10.05		10
O	T/C			10.00		10
						10
						10
						10
						10
						10
						10
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						10
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						10
						10
						10
						10
						10
						10
						10
						10
						10
						10
						10
M	338947	(MS)	Parent Sample	10.03		10
N	338948	(MSD)	337828	10.00		10

MB=Method Blank, LCS=Laboratory Control Sample, MS=Matrix Spike, MSD=Matrix Spike Duplicate, Tox=Toxaphene & Chlor=Technical chlordane

MS/MSD/ LCS Spike Amount (ml): 0.5
Spike Concentration (ug/mL): 0.8
Spike Reference #: PP3831

Surrogate Spike Amount (ml): 0.5
Surrogate Spike Conc. (ug/mL): 0.5
Surrogate Spike Reference #: PP3886

Tox/Chlor Spike Amount (ml): 0.5
Tox/Chlor Spike Conc. (ug/mL): 5

Tox/Chlor Spike Reference: PP3832

Relinquished to: JJY
Date: 8/20/2013

Reviewed By: JJY
Date: 8/20/2013

Table 4

8081 Pesticide Analysis Data Review Checklist

Analytical Run #: 96923	**Independent Reviewer: RED**
Sequence Date:08/23/2013	**Date of Review: 08/26/2013**
Analyst/Data Interpreter: JJY	**Approval: YES**

Instructions: Complete one checklist per *analytical run* . Enter the appropriate response for each question. Each "No" response requires an explanation in the Comments section, and may require the initiation of a Nonconformance Report.

Requirements:	Acceptance Criteria	Analyst Review		Independent Review		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
1. INITIAL CALIBRATION (ICAL)						
a. Was the Pesticide initial calibration performed using a minimum of five varying standard concentration levels on two dissimilar columns?	Lowest standard at or near MRL	**Yes**		**Yes**		
b. Was there initial calibration performed using a minimum of five varying standard concentration levels for Toxaphene and tech-Chlordane.		**Yes**		**Yes**		
c. Is the variation between calibration response factors for all concentration levels <20% RSD, is r >.995, or r^2 > 0.990 for the regression line	RSD<20%, r^2>0.990, or r>0.990	**Yes**		**Yes**		
d. Was each ICAL uniquely identified (i.e. Standard Number)?		**Yes**		**Yes**		
e. Was an initial calibration blank (ICB) analyzed?		**Yes**		**Yes**		
f. Was there an Evaluation standard injected prior to initial calibration?	Breakdown ≤15%	**Yes**		**Yes**		
2. INITIAL CALIBRATION VERIFICATION (ICV)						
a. Were there a second source ICVs for all target analytes analyzed after the initial calibration and prior to analysis of any samples?		**Yes**		**Yes**		
b. Were the recoveries for the ICVs within program limits?	Second source	**Yes**		**Yes**		
c. Was the ICVs uniquely identified (i.e. Standard Number)?	%Recovery	**Yes**		**Yes**		
3. CONTINUING CALIBRATION VERIFICATION (CCV)						
a. Were CCVs analyzed at the beginning of the sequence, after every 12 hours or every 20 samples (which ever comes first) and at the end of the analytical run.		**Yes**		**Yes**		
b. Were there a CCV for Toxaphene and tech-Chlordane at the beginning or at the end of the analytical sequence?		**Yes**		**Yes**		
c. Were the recoveries for the CCVs within program limits?		**Yes**		**Yes**		
d. Was each CCV uniquely identified (i.e. Standard Number)?	%Recovery	**Yes**		**Yes**		

Additional Comments:

y

y

Analytical Run #: 96923

Table 4

8081 Pesticide Analysis Data Review Checklist

Requirements:	Acceptance Criteria	Analyst		Independent		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
4. BLANKS						
a. Was method blank (MB) analyzed prior to the analysis of samples?		**Yes**		**Yes**		
b. Was the MB result less than ½ the reporting limit (RL) or 5% of the sample amount?	In-house limits or client specified limits	**Yes**		**Yes**		
c. Was a MB prepped and analyzed at a frequency of one per Prep Batch?	Batch <20 samples	**Yes**		**Yes**		
5. LABORATORY CONTROL SAMPLE (LCS)						
a. Was a LCS analyzed prior to the analysis of samples?		**Yes**		**Yes**		
b. Was there a Toxaphene and tech-Chlordane LCS preformed	Batch <20 samples	**Yes**		**Yes**		
c. Were the LCS recoveries in each LCS within the acceptance criteria?	In-house limits or client specified limits	**Yes**		**Yes**		
6. MATRIX SPIKES						
a. Was a matrix spiked (MS) sample analyzed at a frequency one per Prep Batch?	Batch <20 samples	**Yes**		**Yes**		
b. Were MS recoveries in each MS within the acceptance criteria?	In-house limits or client specified limits	**Yes**		**Yes**		
7. LABORATORY CONTROL SPIKE / MATRIX SPIKE DUPLICATE						
a. Was a duplicate matrix spike or laboratory control spike sample analyzed at a . frequency one per Prep Batch?	Batch <20 samples	**Yes**		**Yes**		
b. Were MSD or LCSD recoveries within the acceptance criteria?	In-house limits or client specified limits	**Yes**		**Yes**		
c. Is the relative percent difference (RPD) between a matrix spike (MS) and its' duplicate (MSD) or laboratory control spike (LCS) and its' duplicate (LCSD) within the acceptance criteria?	In-house limits or client specified limits	**Yes**		**Yes**		

Additional Comments:

Analytical Run #: 96923

Table 4

8081 Pesticide Analysis Data Review Checklist

Requirements:	Acceptance Criteria	Analyst		Independent		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
8. SAMPLES (INCLUDING BLANKS, STANDARDS, AND QC SAMPLES)						
a. Are chromatogram characteristics, including peak shapes and areas, consistent with those of the CCV?		**Yes**		**Yes**		
b. Are surrogate recoveries for all samples, blanks, standards, and QC samples within acceptance criteria?			**No**		**No**	See below.
c. Were all samples having analytes detected in amounts exceeding the calibration range diluted and reanalyzed?		**Yes**		**Yes**		
d. Were all samples extracted within holding times and analyzed within 40 days of extracting?	Analysis within 40 days of extraction	**Yes**		**Yes**		
e. Did the samples require additional cleanup steps? (i.e. florisil, GPC, and sulfur treatment)	Florisil, GPC, and/or Sulfur Treatments	**Yes**		**Yes**		sulfur treatment.
f. Was there a hexane injection performed prior to sample analysis?		**Yes**		**Yes**		
g. Was there a priming standard injected prior to sample analysis?		**Yes**		**Yes**		
h. Was there an Eval standard injected prior to sample analysis and every twelve hours?	Breakdown $\leq$15%	**Yes**		**Yes**		
9. RECORDS AND REPORTING						
a. Is the Analytical Run, Prep Batch and Extraction sheets, Summary sheets, Sequence file, analytical data, and method transferred to PDF format?		**Yes**		**Yes**		
b. Are reported results whose amounts exceeded the acceptance criteria flagged with an appropriate qualifier in LIMS and, if needed, a NCR completed?		**Yes**		**Yes**		
c. Do all values, dilution factors and qualifiers listed on the raw reports match the LIMS data?		**Yes**		**Yes**		

Additional Comments:

Sample 337828 had a low recovery of surrogate TCMX. Confirmed in the MS and MSD. Qualified with "S".

Summary Report

Instrument ID: Semi 6
Data Path: C:\Instarch\Semi6\Sequence\082213pstic.seq
User ID: JJY
Printed Date: Aug 22,2013 15:57:17

JJY
9/3/13

Run Number	Sample ID	Data Filename	Method Filename	Analysis Date	Data Description
1	EVAL PP 3833	001.dat	eval.met	Aug 22,2013 15:45:15	Breakdown A: Endrin 14....
2	Pest Prime PP 3834 1:10	002.dat	082213pstic.met	Aug 22,2013 16:00:39	
3	Hexane	003.dat	082213pstic.met	Aug 22,2013 16:16:04	
4	Pest ICAL 1 PP3845	004.dat	082213pstic.met	Aug 22,2013 16:31:31	
5	Pest ICAL 2 PP3846	005.dat	082213pstic.met	Aug 22,2013 16:47:04	
6	Pest ICAL 3 PP3847	006.dat	082213pstic.met	Aug 22,2013 17:02:30	
7	Pest ICAL 4 PP3848	007.dat	082213pstic.met	Aug 22,2013 17:17:56	
8	Pest ICAL 5 PP3849	008.dat	082213pstic.met	Aug 22,2013 17:33:22	
9	Pest ICAL 6 PP3850	009.dat	082213pstic.met	Aug 22,2013 17:48:52	
10	Pest ICAL 7 PP3851	010.dat	082213pstic.met	Aug 22,2013 18:04:18	
11	Pest ICV1 PP3852	011.dat	082213pstic.met	Aug 22,2013 18:19:46	
12	Pest ICV2 PP3853	012.dat	082213pstic.met	Aug 22,2013 18:35:08	
13	Hexane	013.dat	082213pstic.met	Aug 22,2013 18:50:42	
14	TC ICAL 1 PP3838	014.dat	082213tcic.met	Aug 22,2013 19:06:03	
15	TC ICAL 2 PP3839	015.dat	082213tcic.met	Aug 22,2013 19:21:23	
16	TC ICAL 3 PP3840	016.dat	082213tcic.met	Aug 22,2013 19:36:51	
17	TC ICAL 4 PP3841	017.dat	082213tcic.met	Aug 22,2013 19:52:24	
18	TC ICAL 5 PP3842	018.dat	082213tcic.met	Aug 22,2013 20:07:46	
19	TC ICAL 6 PP3843	019.dat	082213tcic.met	Aug 22,2013 20:23:07	
20	TC ICV PP3844	020.dat	082213tcic.met	Aug 22,2013 20:38:28	

Summary Report

Instrument ID: **Semi 6**
Data Path: **C:\Instarch\Semi6\Sequence\082313pst.seq**
User ID: **JJY**
Printed Date: **Aug 23,2013 16:43:50**

JJY
9/3/13

Run Number	Sample ID	Data Filename	Method Filename	Analysis Date	Data Description
1	EVAL PP 3833	001.dat	eval.met	Aug 23,2013 10:22:14	Breakdown A: Endrin 14....
2	Pest Prime PP 3834 1:10	002.dat	082313pst.met	Aug 23,2013 10:37:36	
3	Hexane	003.dat	082313pst.met	Aug 23,2013 10:52:57	
4	Pest CCV PP3854	004.dat	082313pst.met	Aug 23,2013 11:08:19	
5	TC CCV PP3855	005.dat	082313tc.met	Aug 23,2013 11:23:48	
6	PEST MRL PP 3946	006.dat	082313pst.met	Aug 23,2013 11:43:00	
7	PEST MDL PP 3845	007.dat	082313pst.met	Aug 23,2013 11:58:22	
8	TC MRL PP 3947	008.dat	082313tc.met	Aug 23,2013 12:13:49	
9	TC MDL PP 3836	009.dat	082313tc.met	Aug 23,2013 12:29:20	
10	96885,MBW,	010.dat	082313pst.met	Aug 23,2013 13:11:44	
11	96885,LCSW,	011.dat	082313pst.met	Aug 23,2013 13:27:07	
12	96885,LCSW TC	012.dat	082313tc.met	Aug 23,2013 13:42:38	
13	96885,339558,	013.dat	082313pst.met	Aug 23,2013 13:57:58	
14	96885,MSW339558,	014.dat	082313pst.met	Aug 23,2013 14:13:19	
15	Hexane	015.dat	082313pst.met	Aug 23,2013 14:40:35	
16	96885,339558,	016.dat	082313pst.met	Aug 23,2013 14:55:56	
17	96885,MSW339558,	017.dat	082313pst.met	Aug 23,2013 15:11:14	
18	96885,MSDW339558,	018.dat	082313pst.met	Aug 23,2013 15:26:40	
19	Pest CCV PP3854	019.dat	082313pst.met	Aug 23,2013 15:59:49	
20	TC CCV PP3855	020.dat	082313tc.met	Aug 23,2013 16:15:39	
21	96923,MBS,	021.dat	082313pst.met	Aug 23,2013 16:31:00	
22	96923,LCSS,	022.dat	082313pst.met	Aug 23,2013 16:46:33	
23	96923,LCSS TC	023.dat	082313tc.met	Aug 23,2013 17:01:54	
24	96923,337828,	024.dat	082313pst.met	Aug 23,2013 17:17:21	
25	96923,MSS337828,	025.dat	082313pst.met	Aug 23,2013 17:32:46	
26	96923,MSDS337828,	026.dat	082313pst.met	Aug 23,2013 17:48:17	
27	PEST MRL PP 3946	027.dat	082313pst.met	Aug 23,2013 18:03:40	
28	PEST MDL PP 3845	028.dat	082313pst.met	Aug 23,2013 18:19:01	
29	TC MRL PP 3947	029.dat	082313tc.met	Aug 23,2013 18:34:23	
30	TC MDL PP 3836	030.dat	082313tc.met	Aug 23,2013 18:49:56	
31	Pest CCV PP3854	031.dat	082313pst.met	Aug 23,2013 19:05:21	
32	TC CCV PP3855	032.dat	082313tc.met	Aug 23,2013 19:20:44	

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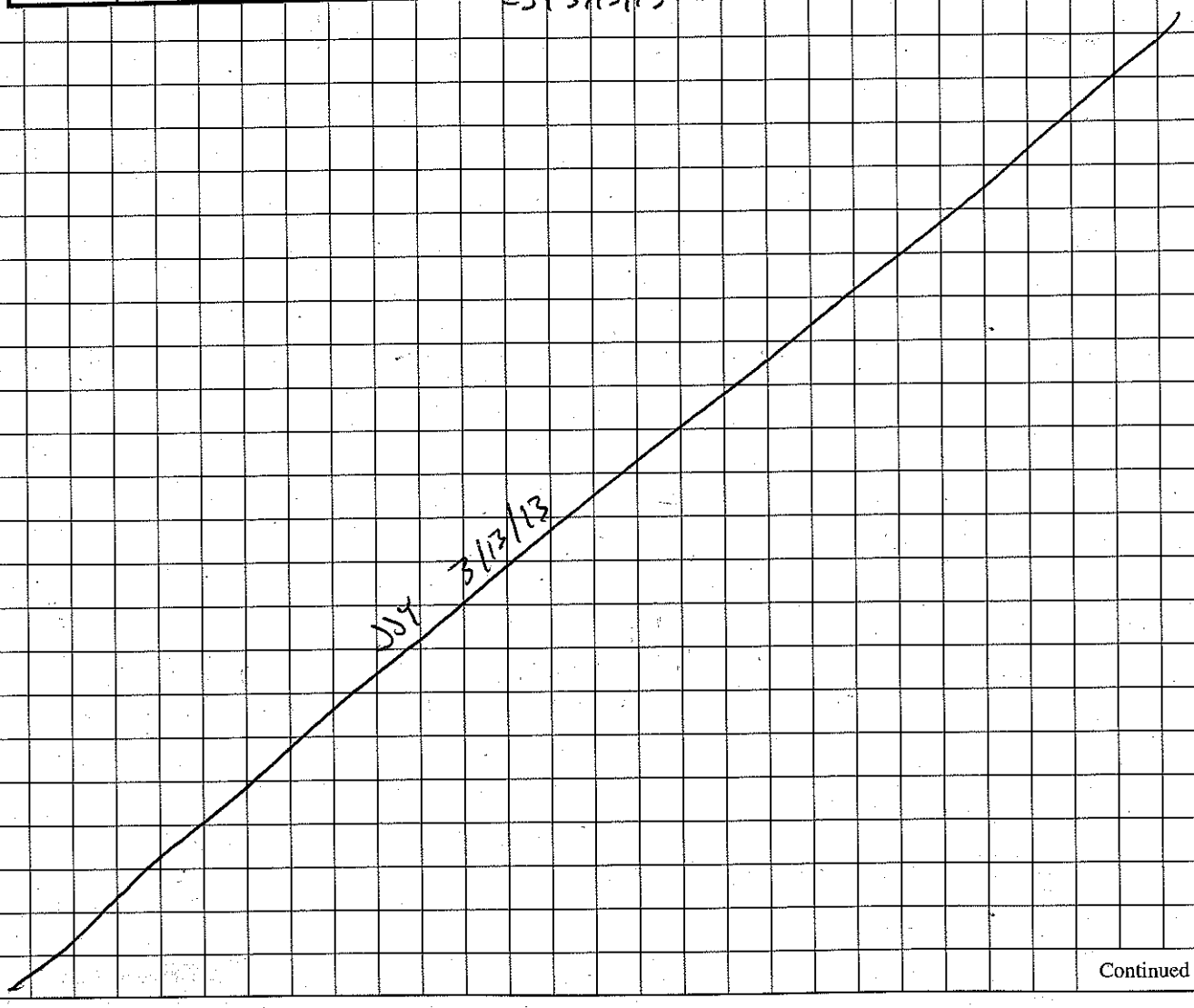
Continued from Page _____

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3823	PCB LL ICV	Hexane	11-Mar-13 JJY 07-Sep-13	PP3772	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3824	1221 LL ICV	JT Baker	14-Jun-13	PP3773	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3825	1232 LL ICV	lot 23181		PP3774	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3826	1242 LL ICV			PP3775	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3827	1248 LL ICV			PP3776	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3828	1254 LL ICV			PP3747	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3829	1262 LL ICV			PP3777	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3830	1268 LL ICV			PP3758	10	ug/mL	0.200	10.0	0.20	ug/ml

JJY 3/11/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3831	PEST SPIKE	Acetone	13-Mar-13 JJY 11-Sep-13	S2650	200	ug/mL	0.200	50.0	0.80	ug/ml
		JT Baker								
PP 3832	Tox/Chlor SPIKE	lot J14E52		S2655	1000	ug/mL	0.250	50.0	5.00	ug/ml
				S2653	1000	ug/mL	0.250	50.0	5.00	ug/ml

JJY 3/13/13



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Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3833	PEST EVAL	Hexane JT Baker lot K49E36	13-Mar-13 JJY 11-Sep-13	S2652						
				Endrin	100	ug/mL	0.020	50.0	0.040	ug/ml
				DDT	200	ug/mL	0.020	50.0	0.080	ug/ml
PP 3834	PEST ICAL Stock			S2650	200	ug/mL	0.100	10.0	2.00	ug/ml
				S2766B	200	ug/mL	0.0625	10.0	1.25	ug/ml
PP 3835	PEST ICV Stock			S2651	200	ug/mL	0.100	10.0	2.00	ug/ml
				S2766B	200	ug/mL	0.0625	10.0	1.25	ug/ml
PP 3836	Tox/Chlor Stock			S2655	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2653	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2766B	200	ug/mL	0.030	10.0	0.600	ug/ml
PP 3837	Tox/Chlor ICV Stock			S2656	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2654	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2766B	200	ug/mL	0.030	10.0	0.600	ug/ml
PP 3838	Tox/Chlor 1			PP 3836	10	ug/mL	0.030	10.0	0.03	ug/ml
PP 3839	Tox/Chlor 2			PP 3836	10	ug/mL	0.050	10.0	0.05	ug/ml
PP 3840	Tox/Chlor 3			PP 3836	10	ug/mL	0.100	10.0	0.10	ug/ml
PP 3841	Tox/Chlor 4			PP 3836	10	ug/mL	0.250	10.0	0.25	ug/ml
PP 3842	Tox/Chlor 5			PP 3836	10	ug/mL	0.400	10.0	0.40	ug/ml
PP 3843	Tox/Chlor 6			PP 3836	10	ug/mL	0.600	10.0	0.60	ug/ml
PP 3844	Tox/Chlor ICV			PP 3837	10	ug/mL	0.250	10.0	0.25	ug/ml
PP 3845	PEST ICAL 1			PP 3834	2.00	ug/mL	0.005	10.0	0.001	ug/ml
PP 3846	PEST ICAL 2			PP 3834	2.00	ug/mL	0.025	10.0	0.005	ug/ml
PP 3847	PEST ICAL 3			PP 3834	2.00	ug/mL	0.050	10.0	0.010	ug/ml
PP 3848	PEST ICAL 4			PP 3834	2.00	ug/mL	0.100	10.0	0.020	ug/ml
PP 3849	PEST ICAL 5			PP 3834	2.00	ug/mL	0.200	10.0	0.040	ug/ml
PP 3850	PEST ICAL 6			PP 3834	2.00	ug/mL	0.250	10.0	0.050	ug/ml
PP 3851	PEST ICAL 7			PP 3834	2.00	ug/mL	0.350	10.0	0.070	ug/ml
PP 3852	PEST ICV			PP 3835	2.00	ug/mL	0.100	10.0	0.020	ug/ml
PP 3853	PEST ICV 2			PP 3835	2.00	ug/mL	0.200	10.0	0.040	ug/ml
PP 3854	PEST CCV			PP3834	2.00	ug/mL	0.200	10.0	0.040	ug/ml
PP 3855	Tox/Chlor CCV			PP3836	10.0	ug/mL	0.250	10.0	0.25	ug/ml

JJY 3/12/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3856	FM BP-6 CCV	Hexane JT Baker lot 23181	20-Mar-13 JJY 24-Jul-13	PP3723	10	ug/mL	0.200	10.0	0.20	ug/ml

JJY 3/20/13

JJY 3/22/13

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Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration	Standard Volume (ml)	Final Volume (ml)	Final Concentration
PP 3881	PCB Spike	Acetone JT Baker lot K48E17	06-May-13 JJY 06-Nov-13	S2744 1000 ug/mL	0.500	50.0	10.00 ug/ml

JJY 5/6/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration	Standard Volume (ml)	Final Volume (ml)	Final Concentration
PP 3882	HBB Stock	Hexane JT Baker lot 21949	06-Jun-13 JJY 06-Dec-13	S2637 2000 ug/mL	0.125	10.0	25.0 ug/ml
PP 3883	HBB/PBB Spike	Acetone JT Baker lot K48E17		S2744B 100 ug/mL PP3882 25 ug/mL	0.200 0.200	10.0 10.0	2.0 ug/ml 0.5 ug/ml

JJY 6/6/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration	Standard Volume (ml)	Final Volume (ml)	Final Concentration
PP 3884	Pest/PCB Surrogates	Acetone JT Baker lot K48E17	14-Jun-13 JJY 14-Dec-13	S2819A 200 ug/mL	0.250	100.0	0.50 ug/ml
PP 3885	Pest/PCB Surrogates			S2819A 200 ug/mL	0.250	100.0	0.50 ug/ml
PP 3886	Pest/PCB Surrogates			S2819A 200 ug/mL	0.250	100.0	0.50 ug/ml
PP 3887	Pest/PCB Surrogates			S2819A 200 ug/mL	0.250	100.0	0.50 ug/ml
PP 3888	Pest/PCB Surrogates			S2819A 200 ug/mL	0.125	50.0	0.50 ug/ml

JJY 6/14/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration	Standard Volume (ml)	Final Volume (ml)	Final Concentration
PP 3889	DDTs Spike	Acetone JT Baker lot K48E17	20-Jun-13 JJY 20-Dec-13	S2625 1000 ug/mL	0.040	50.0	0.80 ug/ml
				S2626 1000 ug/mL	0.040	50.0	0.80 ug/ml
				S2627 1000 ug/mL	0.040	50.0	0.80 ug/ml
				S2628 1000 ug/mL	0.040	50.0	0.80 ug/ml
				S2629 1000 ug/mL	0.040	50.0	0.80 ug/ml
				S2630 1000 ug/mL	0.040	50.0	0.80 ug/ml

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Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3946	Pest MRL	Hexane JT Baker lot 38570	23-Aug-13 JJY 11-Sep-13	PP 3846	0.0050	ug/mL	0.480	1.0	0.0024	ug/ml
PP 3947	Tox/chlor MRL			PP3843	0.6	ug/mL	0.100	1.0	0.060	ug/ml

JJY 9/23/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3948	Pest/PCB Surrogates	Acetone JT Baker lot K40219	26-Aug-13 SRT 26-Feb-14	S2766B	200	ug/mL	0.250	100.0	0.50	ug/ml

JJY 9/23/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3949	1254 Intermed standard	Hexane JT Baker lot 38570	30-Aug-13 SRT 28-Feb-14	S2827	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2875A	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3950	1254 2nd Srce standard			S2828	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2875A	200	ug/mL	0.025	10.0	0.5	ug/ml

JJY 9/30/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3951	1254 ICAL 1	Hexane JT Baker lot 38570	30-Aug-13 SRT 28-Feb-14	PP3949	10	ug/mL	0.030	10.0	0.03	ug/ml
PP 3952	1254 ICAL 2			PP3949	10	ug/mL	0.050	10.0	0.05	ug/ml
PP 3953	1254 ICAL 3			PP3949	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3954	1254 ICAL 4			PP3949	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3955	1254 ICAL 5			PP3949	10	ug/mL	1.000	10.0	1.00	ug/ml
PP 3956	1254 ICV			PP3950	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3957	1254 CCV			PP3949	10	ug/mL	0.500	10.0	0.50	ug/ml

JJY 9/30/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3958	1262 Intermed standard	Hexane JT Baker lot 38570	30-Aug-13 SRT 28-Feb-14	S2829	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2875A	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3959	1262 2nd Srce standard			S2830	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2875A	200	ug/mL	0.025	10.0	0.5	ug/ml

JJY 9/30/13

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POLYCHLORINATED BIPHENYL QUALITY CONTROL SUMMARY DOCUMENTS

CT LABORATORIES
delivering more than data from your environmental analyses

1D-2

PCB ORGANICS ANALYSIS

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.03 (g/L)	CTL Sample ID:	337828
% Solids:	96.6	Date Received:	08/13/2013
Conc. Extract Vol:	10 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8082A	Analytical Prep Batch #	45487
Analytical Run #:	96922	Dilution Factor:	1.00
Date & Time Analyzed:	08/21/2013 / 12:47		
Cleanup Date/Time/Type:	, 08/20/2013 16:00 (Sulfur) , 08/20/2013 15:00 (Acid) ,		
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	050713pcbic	Concentration Units:	ug/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
12674-11-2	Aroclor-1016	21	U	5.2	21	31	31
11104-28-2	Aroclor-1221	21	U	7.2	21	31	31
11141-16-5	Aroclor-1232	21	U	9.3	21	31	31
53469-21-9	Aroclor-1242	21	U	7.2	21	31	31
12672-29-6	Aroclor-1248	21	U	7.2	21	31	31
11097-69-1	Aroclor-1254	21	U	9.3	21	31	31
11096-82-5	Aroclor-1260	21	U	6.2	21	31	31
37324-23-5	Aroclor-1262	21	U	7.2	21	31	31
11100-14-4	Aroclor-1268	21	U	5.2	21	31	31

CT LABORATORIES
delivering more than data from your environmental analyses

1D-4

Sample Description: **METHOD BLANK**

PCB ORGANICS ANALYSIS (MB)

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:		SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	338940
% Solids:		Date Received:	08/13/2013
Conc. Extract Vol:	10 (mL)	Date/Time Prepared:	08/19/2013 / 07:15
Analytical Method:	EPA 8082A	Analytical Prep Batch #	45487
Analytical Run #:	96922	Dilution Factor:	1.00
Cleanup Date/Time/Type:	, 08/20/2013 16:00 (Sulfur) , 08/20/201315:00 (Acid) ,		
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	050713pcbic	Concentration Units:	ug/kg

CAS NO.	Analyte	Analysis Date/Time		Concentration	Qualifiers	DL/LOD	RL	*Control Limit*
12674-11-2	Aroclor-1016	08/21/2013	12:08	5	U	5	30	***15***
11104-28-2	Aroclor-1221	08/21/2013	12:08	7	U	7	30	***15***
11141-16-5	Aroclor-1232	08/21/2013	12:08	9	U	9	30	***15***
53469-21-9	Aroclor-1242	08/21/2013	12:08	7	U	7	30	***15***
12672-29-6	Aroclor-1248	08/21/2013	12:08	7	U	7	30	***15***
11097-69-1	Aroclor-1254	08/21/2013	12:08	9	U	9	30	***15***
11096-82-5	Aroclor-1260	08/21/2013	12:08	6	U	6	30	***15***
37324-23-5	Aroclor-1262	08/21/2013	12:08	7	U	7	30	***15***
11100-14-4	Aroclor-1268	08/21/2013	12:08	5	U	5	30	***15***

CT LABORATORIES
delivering more than data from your environmental analyses

2F-1

SOIL PCB SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Analytical Method: EPA 8082A | SDG: 99211

Analytical Run #: 96922 | ICAL Calibration #: 050713pcbic

GC Column(1): Phenomenex ZB-5 ID: 0.32 (mm) | GC Column(2): Phenomenex ZB-1701 ID: 0.32 (mm)

CTLab #	337828				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: DCBP	100	82	60	125	

CTLab #	338940	Sample Type:		Method Blank	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: DCBP	100	98.9	60	125	

CTLab #	338941	Sample Type:		Lab Control Spike	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: DCBP	100	93.7	60	125	

CTLab #	338943	Sample Type:		Matrix Spike	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: DCBP	100	82.9	60	125	

CTLab #	338944	Sample Type:		Matrix Spike Duplicate	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
Surr: DCBP	100	81.1	60	125	

CT LABORATORIES
delivering more than data from your environmental analyses

3F

Sample Description

SOIL PCB MATRIX SPIKE RECOVERY

083SB-0012M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8082A Concentration Units: ug/kg

Analytical Run #: 96922 Sample No.: 338943 Parent Sample No.: 337828

Analytical Prep Batch #: 45487 Analytical Preparation Date/Time: 08/19/2013 07:15

ICAL Calibration #: 050713pcbic

Analyte	Analysis Date/Time	Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R
Aroclor-1016	08/21/2013 13:07	40-140	403	BDL	516	78
Aroclor-1260	08/21/2013 13:07	60-130	425	BDL	516	82

Spike Recovery: 0 out of 2 outside QC limits

CT LABORATORIES
delivering more than data from your environmental analyses

3F

Sample Description

SOIL PCB MATRIX SPIKE DUPLICATE RECOVERY

083SB-0012M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8082A Concentration Units: ug/kg

Analytical Run #: 96922 Sample No.: 338944 Parent Sample No.: 338943

Analytical Prep Batch #: 45487 Analytical Preparation Date/Time: 08/19/2013 07:15

ICAL Calibration #: 050713pcbic

Analyte	Analysis Date/Time		Spike Result	Spike Amount	%R	%RPD	Control Limits (%R)	Control Limits (%RPD)
Aroclor-1016	08/21/2013	13:27	403	519	78	0	40-140	30
Aroclor-1260	08/21/2013	13:27	423	519	82	1	60-130	30

RPD or Spike Recovery: 0 out of 2 outside QC limits

CT LABORATORIES
delivering more than data from your environmental analyses

3F

Sample Description

LCS

SOIL PCB LAB CONTROL SAMPLE

Lab Name: CT Laboratories Contract ECC-RVAAP

Sample No.: 338941 SDG No.: 99211

Analytical Method: EPA 8082A Concentration Units: ug/kg

Sample No.: 338941 Parent Sample No.: 0

Analytical Prep Batch #: 45487 Analytical Preparation Date/Time: 08/19/2013 07:15

Analytical Run #: 96922 ICAL Calibration #: 050713pcbic

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R
Aroclor-1016	08/21/2013	12:28	40-140	410		500	82
Aroclor-1260	08/21/2013	12:28	60-130	443		500	89

Spike Recovery: 0 out of 2 outside limits

CT Laboratories

4C-2

PCB METHOD BLANK SUMMARY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Sample ID:	338940	SDG No.:	99211
Matrix:	SOLID	Date Extracted:	08/19/2013
Date Analyzed:	08/21/2013	Time Analyzed:	12:08
Analytical Method:	EPA 8082A	Extraction Method:	SW3546
Analytical Run #:	96922	Extraction Batch #:	45487
		ICAL Calibration #:	050713pcbic

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

SEQUENCE	SAMPLE DESCRIPTION	SAMPLE ID	DATE/TIME ANALYZED
1	083SB-0012M-0001-SO	337828	08/21/2013 12:47
2	MBS	338940	08/21/2013 12:08
3	LCSS	338941	08/21/2013 12:28
4	083SB-0012M-0001-SOMSS	338943	08/21/2013 13:07
5	083SB-0012M-0001-SOMSDS	338944	08/21/2013 13:27

QC Check Standard Report

Sequence : C:\Instarch\Semi7\Sequence\082113pcb.seq
User : JJY
Printed : Aug 21,2013 11:08:07

File	Sample ID	Acquired
C:\Instarch\Semi7\Data\082113pcb\004.dat	PCB MRL PP 3785	Aug 21,2013 11:08:07

front detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPCB	6.000	5.722	4.634	30.000	Passed
Aroclor 1016 #1	0.006	0.006	6.094	30.000	Passed
Aroclor 1016 #2	0.006	0.006	2.912	30.000	Passed
Aroclor 1016 #3	0.006	0.006	4.649	30.000	Passed
Aroclor 1016 #4	0.006	0.006	0.342	30.000	Passed
Aroclor 1016 #5	0.006	0.006	2.515	30.000	Passed
Aroclor 1260 #1	0.006	0.005	9.530	30.000	Passed
Aroclor 1260 #2	0.006	0.005	9.602	30.000	Passed
Aroclor 1260 #3	0.006	0.006	7.341	30.000	Passed
Aroclor 1260 #4	0.006	0.005	12.402	30.000	Passed
Aroclor 1260 #5	0.006	0.006	4.002	30.000	Passed
SURRDCBPCB	6.000	4.992	16.808	30.000	Passed
Aroclor 1016	0.030	0.029	3.165	30.000	Passed
Aroclor 1260	0.030	0.027	8.575	30.000	Passed

back detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPCB	6.000	4.875	18.754	30.000	Passed
Aroclor 1016 #1	0.006	0.005	24.663	30.000	Passed
Aroclor 1016 #2	0.006	0.005	16.018	30.000	Passed
Aroclor 1016 #3	0.006	0.005	16.622	30.000	Passed
Aroclor 1016 #4	0.006	0.005	23.731	30.000	Passed
Aroclor 1016 #5	0.006	0.005	24.321	30.000	Passed
Aroclor 1260 #1	0.006	0.004	29.358	30.000	Passed
Aroclor 1260 #2	0.006	0.005	23.680	30.000	Passed
Aroclor 1260 #3	0.006	0.005	22.887	30.000	Passed
Aroclor 1260 #4	0.006	0.005	22.647	30.000	Passed
Aroclor 1260 #5	0.006	0.005	23.777	30.000	Passed
SURRDCBPCB	6.000	5.097	15.044	30.000	Passed
Aroclor 1016	0.030	0.024	21.071	30.000	Passed
Aroclor 1260	0.030	0.023	24.470	30.000	Passed

QC Check Standard Report

Sequence : C:\Instarch\Semi7\Sequence\082113pcb.seq
User : JJY
Printed : Aug 21,2013 14:24:47

File	Sample ID	Acquired
C:\Instarch\Semi7\Data\082113pcb\014.dat	PCB MRL PP 3785	Aug 21,2013 14:24:47

front detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPCB	6.000	6.747	12.455	30.000	Passed
Aroclor 1016 #1	0.006	0.007	18.771	30.000	Passed
Aroclor 1016 #2	0.006	0.007	20.626	30.000	Passed
Aroclor 1016 #3	0.006	0.007	20.987	30.000	Passed
Aroclor 1016 #4	0.006	0.007	24.487	30.000	Passed
Aroclor 1016 #5	0.006	0.007	23.700	30.000	Passed
Aroclor 1260 #1	0.006	0.006	8.167	30.000	Passed
Aroclor 1260 #2	0.006	0.007	12.439	30.000	Passed
Aroclor 1260 #3	0.006	0.007	18.153	30.000	Passed
Aroclor 1260 #4	0.006	0.007	18.227	30.000	Passed
Aroclor 1260 #5	0.006	0.007	24.866	30.000	Passed
SURRDCBPCB	6.000	6.892	14.871	30.000	Passed
Aroclor 1016	0.030	0.037	21.714	30.000	Passed
Aroclor 1260	0.030	0.035	16.370	30.000	Passed

back detector

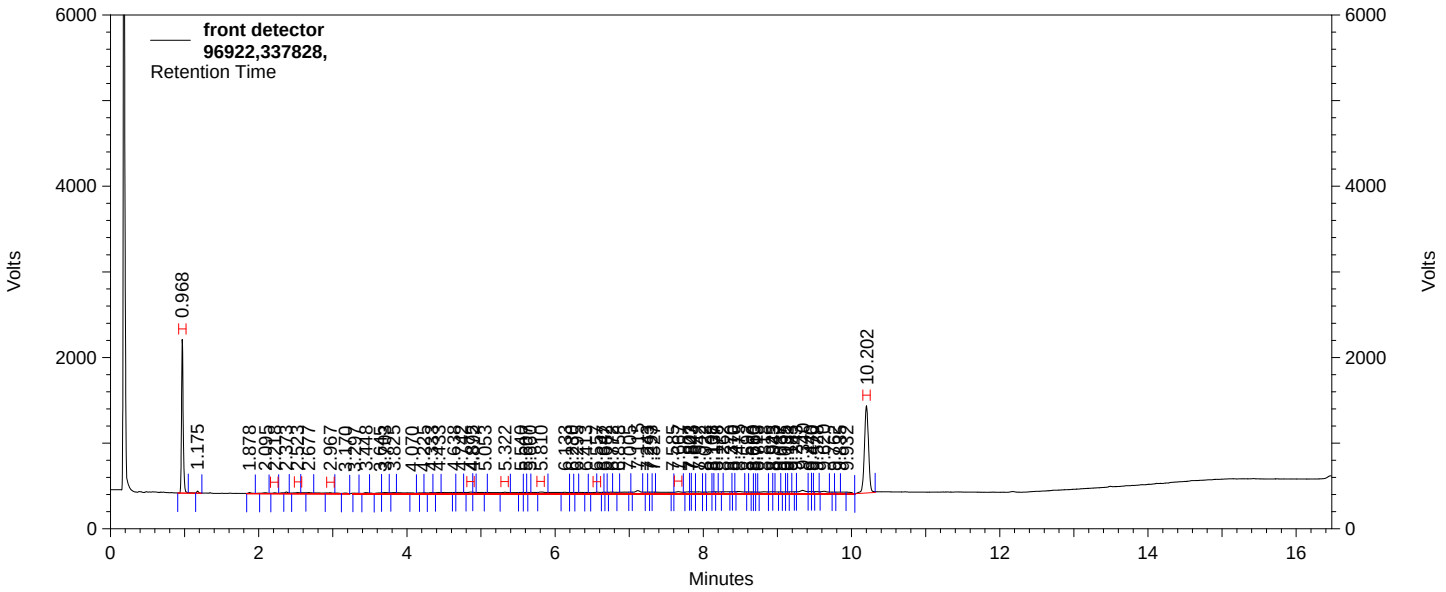
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPCB	6.000	5.970	0.505	30.000	Passed
Aroclor 1016 #1	0.006	0.005	11.696	30.000	Passed
Aroclor 1016 #2	0.006	0.006	6.529	30.000	Passed
Aroclor 1016 #3	0.006	0.006	2.596	30.000	Passed
Aroclor 1016 #4	0.006	0.006	4.438	30.000	Passed
Aroclor 1016 #5	0.006	0.006	3.180	30.000	Passed
Aroclor 1260 #1	0.006	0.006	2.107	30.000	Passed
Aroclor 1260 #2	0.006	0.006	6.691	30.000	Passed
Aroclor 1260 #3	0.006	0.007	10.217	30.000	Passed
Aroclor 1260 #4	0.006	0.007	8.656	30.000	Passed
Aroclor 1260 #5	0.006	0.007	12.103	30.000	Passed
SURRDCBPCB	6.000	6.530	8.830	30.000	Passed
Aroclor 1016	0.030	0.029	2.038	30.000	Passed
Aroclor 1260	0.030	0.032	7.112	30.000	Passed

POLYCHLORINATED BIPHENYL
SAMPLE DATA
DOCUMENTS

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\082113pcb\010.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: 96922,337828,
Acquired: Aug 21,2013 12:47:52
Printed: Aug 21,2013 13:51:18

Data Summary: {Data Description}



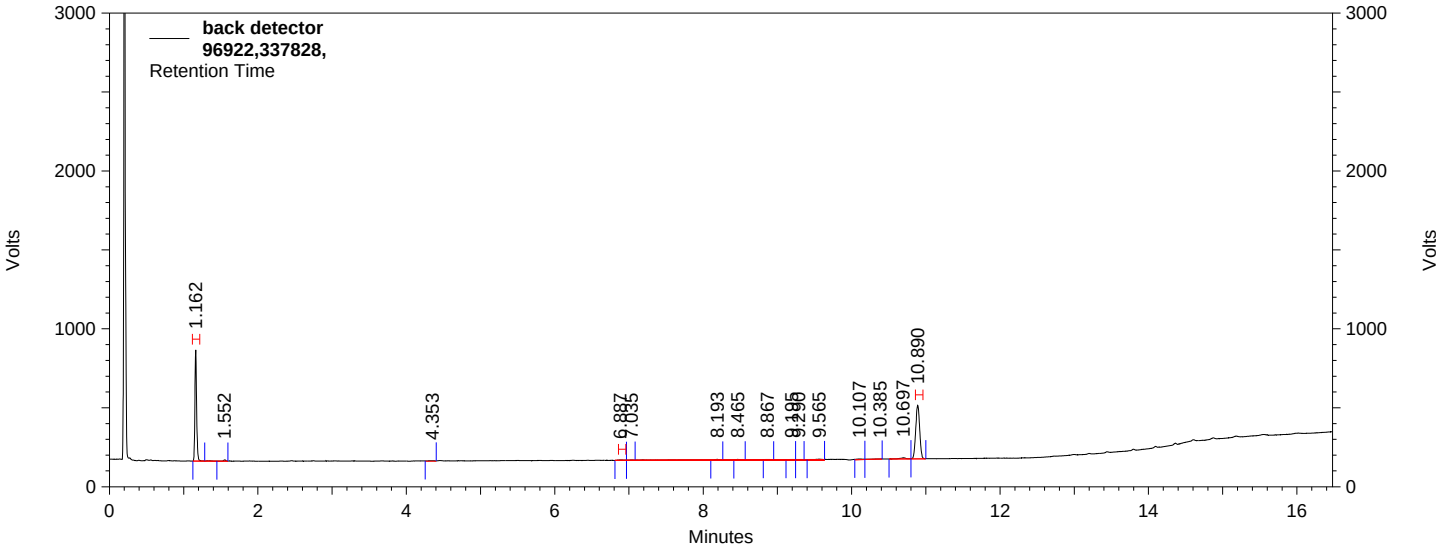
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	0.968	21517194	71.692
Aroclor 1016 #1			0.000 BDL
Aroclor 1016 #2			0.000 BDL
Aroclor 1016 #3	2.218	295189	0.000
Aroclor 1016 #4	2.523	529942	0.004
Aroclor 1016 #5	2.967	535271	0.002
Aroclor 1260 #1	4.875	728213	0.000
Aroclor 1260 #2	5.322	972066	0.000
Aroclor 1260 #3	5.810	1147844	0.001
Aroclor 1260 #4	6.557	584496	0.001
Aroclor 1260 #5	7.667	1273713	0.003
SURRDCBPCB	10.202	30152749	81.969
Aroclor 1016		1360402	0.006
Aroclor 1260		4706332	0.005

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\082113pcb\010.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: 96922,337828,
Acquired: Aug 21,2013 12:47:52
Printed: Aug 21,2013 13:51:18

Data Summary: {Data Description}



back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	1.162	8598594	66.612
Aroclor 1016 #1			0.000 BDL
Aroclor 1016 #2			0.000 BDL
Aroclor 1016 #3			0.000 BDL
Aroclor 1016 #4			0.000 BDL
Aroclor 1016 #5			0.000 BDL
Aroclor 1260 #1			0.000 BDL
Aroclor 1260 #2			0.000 BDL
Aroclor 1260 #3			0.000 BDL
Aroclor 1260 #4	6.887	147509	0.000
Aroclor 1260 #5			0.000 BDL
SURRDCBPCB	10.890	9644318	75.118
Aroclor 1016		0	0.000
Aroclor 1260		147509	0.000

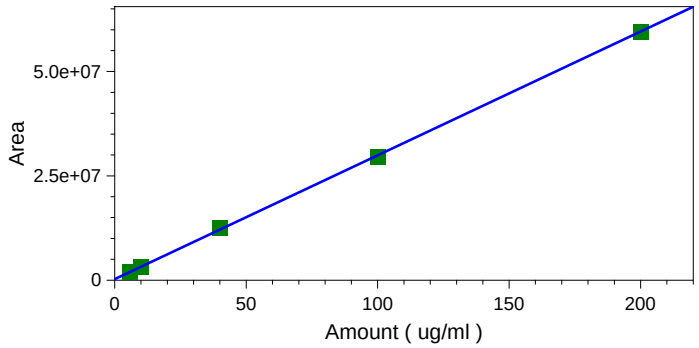
POLYCHLORINATED BIPHENYL
INITIAL CALIBRATION
DOCUMENTS

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:23:36
User: JJY
Instrument: Semi 7 (Offline)

SURRTCMXPCB (front detector)
Average RF: 312034. RF StDev: 15105.2 RF %RSD: 4.84086
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 296627.x + 251325.
Goodness of fit (r^2): 0.999812

Peak: SURRTCMXPCB -- ESTD -- front detector



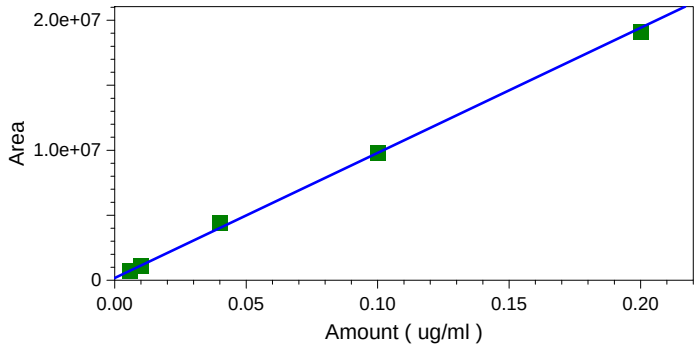
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	6	10	40	100	200
Area	1966910	3246066	12600995	29474906	59594453
RF	327818.3333 33333	324606.6	315024.875	294749.06	297972.265
Last Area					
Residual	0.216354	-0.0959857	-1.63368	1.48034	-0.0598291
Rep StDev					
Rep %RSD					
Rep 1 Area	1966910	3246066	12600995	29474906	59594453
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:23:40
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1016 #1 (front detector)
Average RF: 1.06347e+008 RF StDev: 9.11947e+006 RF %RSD: 8.57523
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 9.62698e+007x + 165088.
Goodness of fit (r^2): 0.999063

Peak: Aroclor 1016 #1 -- ESTD -- front detector



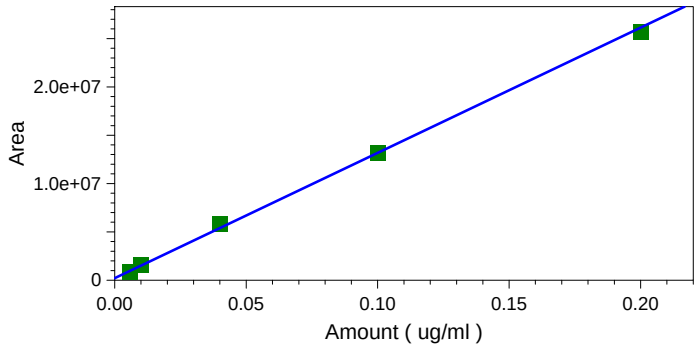
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	701130	1115421	4387618	9797451	19134226
RF	116855000	111542100	109690450	97974510	95671130
Last Area Residual	0.000431885	0.00012845	-0.0038614	-5.58688e-005	0.00295867
Rep StDev					
Rep %RSD					
Rep 1 Area	701130	1115421	4387618	9797451	19134226
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:23:41
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1016 #2 (front detector)
Average RF: 1.42409e+008 RF StDev: 1.18134e+007 RF %RSD: 8.29541
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 1.29666e+008x + 205891.
Goodness of fit (r^2): 0.999062

Peak: Aroclor 1016 #2 -- ESTD -- front detector



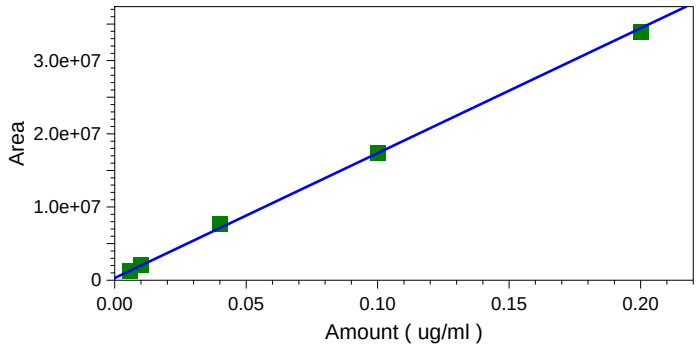
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	887288	1568846	5870004	13182783	25740050
RF	147881333.333333	156884600	146750100	131827830	128700250
Last Area Residual	0.000744989	-0.000511261	-0.00368227	-7.92218e-005	0.00307775
Rep StDev					
Rep %RSD					
Rep 1 Area	887288	1568846	5870004	13182783	25740050
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:23:42
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1016 #3 (front detector)
Average RF: 1.89076e+008 RF StDev: 1.66261e+007 RF %RSD: 8.79336
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 1.70647e+008x + 301922.
Goodness of fit (r^2): 0.999273

Peak: Aroclor 1016 #3 -- ESTD -- front detector



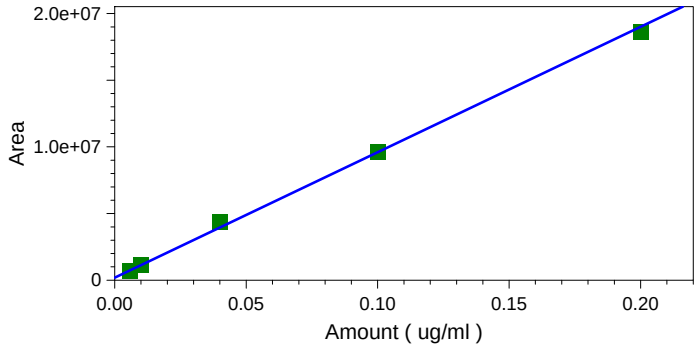
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	1229111	2044791	7702385	17356987	33983737
RF	204851833.333333	204479100	192559625	173569870	169918685
Last Area Residual	0.000566632	-0.00021329	-0.00336705	5.65452e-005	0.00262303
Rep StDev					
Rep %RSD					
Rep 1 Area	1229111	2044791	7702385	17356987	33983737
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:23:44
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1016 #4 (front detector)
Average RF: 1.05656e+008 RF StDev: 1.03571e+007 RF %RSD: 9.80272
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 9.40942e+007x + 188122.
Goodness of fit (r^2): 0.998650

Peak: Aroclor 1016 #4 -- ESTD -- front detector



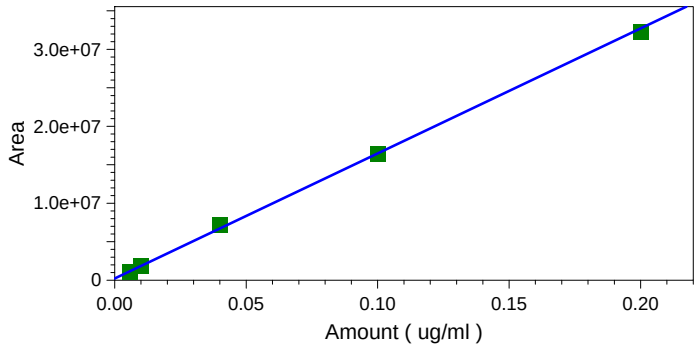
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	676102	1169435	4362613	9631531	18654008
RF	112683666.666667	116943500	109065325	96315310	93270040
Last Area Residual	0.000813922	-0.000429046	-0.00436501	-0.000361197	0.00375112
Rep StDev					
Rep %RSD					
Rep 1 Area	676102	1169435	4362613	9631531	18654008
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:23:45
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1016 #5 (front detector)
Average RF: 1.76169e+008 RF StDev: 1.26375e+007 RF %RSD: 7.17350
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 1.62509e+008x + 221290.
Goodness of fit (r^2): 0.999354

Peak: Aroclor 1016 #5 -- ESTD -- front detector



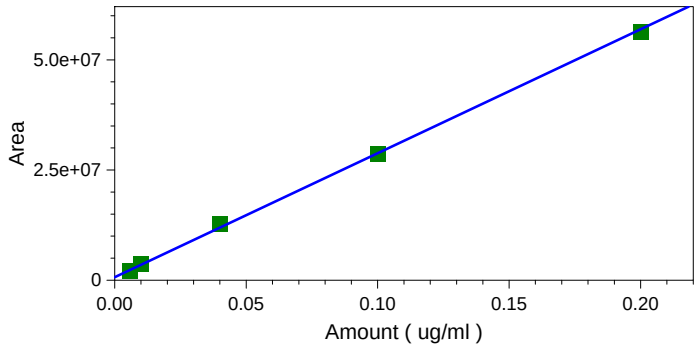
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	1096552	1911570	7234148	16445759	32324087
RF	182758666.666667	191157000	180853700	164457590	161620435
Last Area Residual	0.000614061	-0.000401167	-0.00315375	0.000162439	0.00245486
Rep StDev					
Rep %RSD					
Rep 1 Area	1096552	1911570	7234148	16445759	32324087
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:23:46
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1260 #1 (front detector)
Average RF: 3.23479e+008 RF StDev: 4.02903e+007 RF %RSD: 12.4553
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 2.81318e+008x + 694243.
Goodness of fit (r^2): 0.999505

Peak: Aroclor 1260 #1 -- ESTD -- front detector



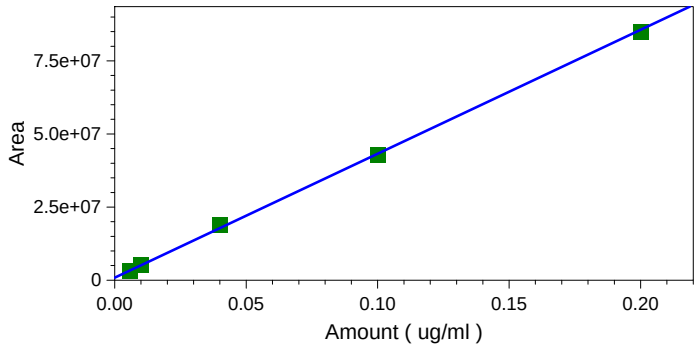
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	2208079	3613313	12767127	28667592	56439463
RF	368013166.666667	361331300	319178175	286675920	282197315
Last Area Residual	0.000618772	-0.000376408	-0.00291543	0.000563246	0.00184269
Rep StDev					
Rep %RSD					
Rep 1 Area	2208079	3613313	12767127	28667592	56439463
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:23:47
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1260 #2 (front detector)
Average RF: 4.77655e+008 RF StDev: 5.15894e+007 RF %RSD: 10.8006
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 4.23781e+008x + 885016.
Goodness of fit (r^2): 0.999624

Peak: Aroclor 1260 #2 -- ESTD -- front detector



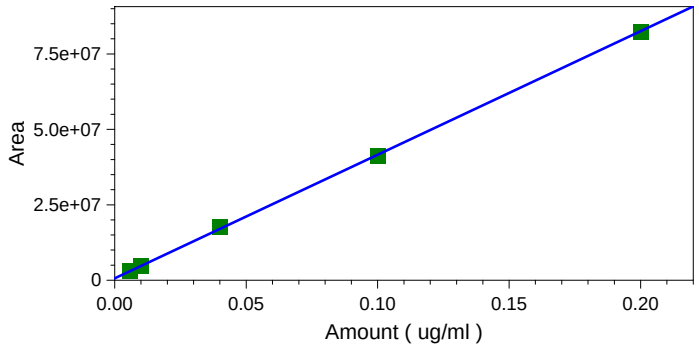
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	3196953	5275908	18934783	42922927	85052275
RF	532825500	527590800	473369575	429229270	425261375
Last Area					
Residual	0.000544505	-0.00036122	-0.00259217	0.00080283	0.0013899
Rep StDev					
Rep %RSD					
Rep 1 Area	3196953	5275908	18934783	42922927	85052275
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:23:49
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1260 #3 (front detector)
Average RF: 4.48711e+008 RF StDev: 3.86628e+007 RF %RSD: 8.61642
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 4.09556e+008x + 641663.
Goodness of fit (r^2): 0.999797

Peak: Aroclor 1260 #3 -- ESTD -- front detector



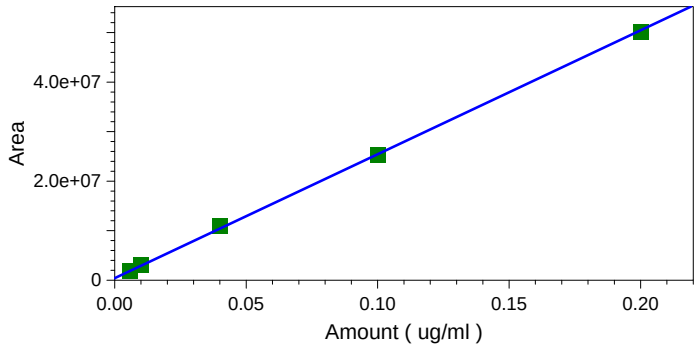
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	2954197	4842547	17767455	41055370	82438340
RF	492366166.666667	484254700	444186375	410553700	412191700
Last Area Residual	0.000353552	-0.000257178	-0.00181555	0.00132302	0.000279411
Rep StDev					
Rep %RSD					
Rep 1 Area	2954197	4842547	17767455	41055370	82438340
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:23:50
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1260 #4 (front detector)
Average RF: 2.75902e+008 RF StDev: 2.45832e+007 RF %RSD: 8.91012
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 2.50260e+008x + 420399.
Goodness of fit (r^2): 0.999723

Peak: Aroclor 1260 #4 -- ESTD -- front detector

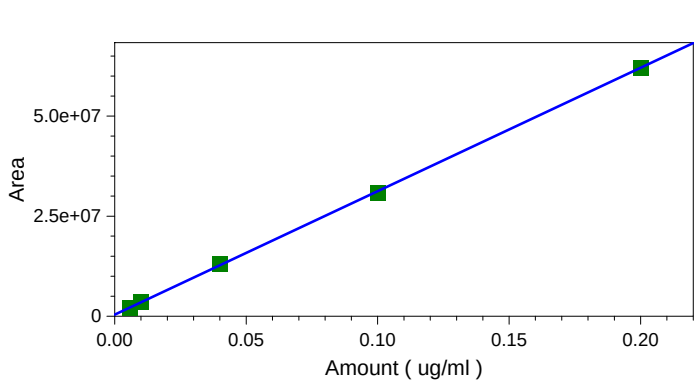


	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	1810600	2997060	10992520	25209443	50225672
RF	301766666.666667	299706000	274813000	252094430	251128360
Last Area Residual	0.000444968	-0.000295946	-0.00224459	0.000946748	0.000985699
Rep StDev					
Rep %RSD					
Rep 1 Area	1810600	2997060	10992520	25209443	50225672
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:23:52
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1260 #5 (front detector)
Average RF: 3.32094e+008 RF StDev: 2.38433e+007 RF %RSD: 7.17967
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 3.08436e+008x + 386350.
Goodness of fit (r^2): 0.999827



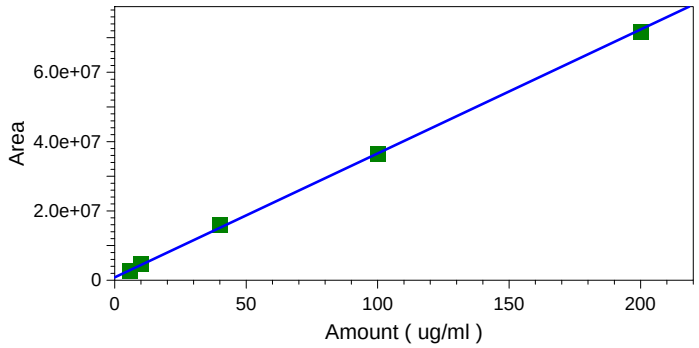
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	2138326	3569046	13155358	30758077	62143010
RF	356387666.666667	356904600	328883950	307580770	310715050
Last Area					
Residual	0.000319812	-0.000318811	-0.00139917	0.00152999	-0.000224986
Rep StDev					
Rep %RSD					
Rep 1 Area	2138326	3569046	13155358	30758077	62143010
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:23:53
User: JJY
Instrument: Semi 7 (Offline)

SURRDCBPCB (front detector)
Average RF: 408350. RF StDev: 48946.8 RF %RSD: 11.9865
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 357670.x + 834769.
Goodness of fit (r^2): 0.999623

Peak: SURRDCBPCB -- ESTD -- front detector



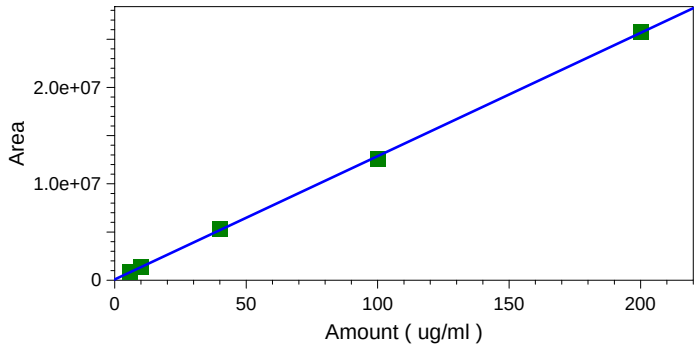
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	6	10	40	100	200
Area	2792128	4518704	16055998	36415012	71795453
RF	465354.666666667	451870.4	401399.95	364150.12	358977.265
Last Area Residual	0.527474	-0.299813	-2.55662	0.522166	1.60295
Rep StDev					
Rep %RSD					
Rep 1 Area	2792128	4518704	16055998	36415012	71795453
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:23:59
User: JJY
Instrument: Semi 7 (Offline)

SURRTCMXPCB (back detector)
Average RF: 132633. RF StDev: 5073.91 RF %RSD: 3.82552
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 127940.x + 76236.6
Goodness of fit (r^2): 0.999720

Peak: SURRTCMXPCB -- ESTD -- back detector



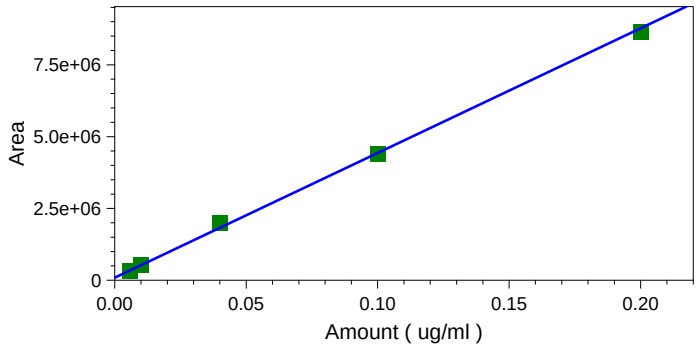
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	6	10	40	100	200
Area	826718	1368163	5344083	12591736	25808759
RF	137786.3333 33333	136816.3	133602.075	125917.36	129043.795
Last Area Residual	0.134111	-0.0979143	-1.17438	2.17675	-1.12974
Rep StDev					
Rep %RSD					
Rep 1 Area	826718	1368163	5344083	12591736	25808759
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:24:01
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1016 #1 (back detector)
Average RF: 4.87278e+007 RF StDev: 4.81539e+006 RF %RSD: 9.88224
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 4.34341e+007x + 86864.6
Goodness of fit (r^2): 0.999085

Peak: Aroclor 1016 #1 -- ESTD -- back detector



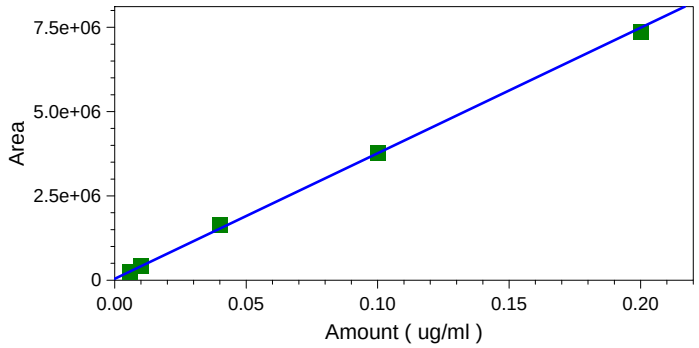
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	323861	523065	1998260	4409649	8660500
RF	53976833.33 33333	52306500	49956500	44096490	43302500
Last Area					
Residual	0.000543546	-4.2801e-005	-0.00400676	0.000474951	0.00260605
Rep StDev					
Rep %RSD					
Rep 1 Area	323861	523065	1998260	4409649	8660500
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:24:02
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1016 #2 (back detector)
Average RF: 3.98038e+007 RF StDev: 2.26147e+006 RF %RSD: 5.68155
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 3.72448e+007x + 41669.4
Goodness of fit (r^2): 0.999221

Peak: Aroclor 1016 #2 -- ESTD -- back detector



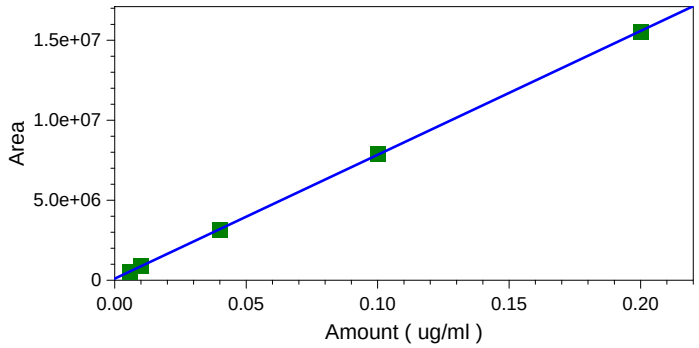
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	251479	410580	1651562	3786557	7378630
RF	41913166.6666667	41058000	41289050	37865570	36893150
Last Area Residual	0.000366741	9.49753e-005	-0.00322464	-0.000547961	0.00300706
Rep StDev					
Rep %RSD					
Rep 1 Area	251479	410580	1651562	3786557	7378630
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:24:04
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1016 #3 (back detector)
Average RF: 8.32771e+007 RF StDev: 6.66684e+006 RF %RSD: 8.00561
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 7.74551e+007x + 94552.6
Goodness of fit (r^2): 0.999927

Peak: Aroclor 1016 #3 -- ESTD -- back detector



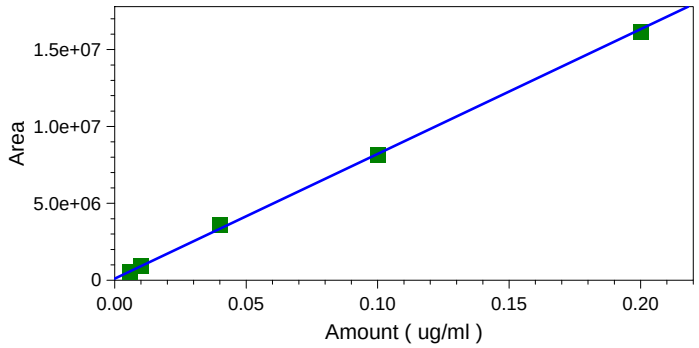
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	546415	900280	3134361	7916877	15552145
RF	91069166.6666667	90028000	78359025	79168770	77760725
Last Area Residual	0.00016614	-0.000402505	0.000753945	-0.000991685	0.000431659
Rep StDev					
Rep %RSD					
Rep 1 Area	546415	900280	3134361	7916877	15552145
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:24:05
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1016 #4 (back detector)
Average RF: 8.75637e+007 RF StDev: 5.89876e+006 RF %RSD: 6.73653
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 8.11146e+007x + 104889.
Goodness of fit (r^2): 0.999445

Peak: Aroclor 1016 #4 -- ESTD -- back detector



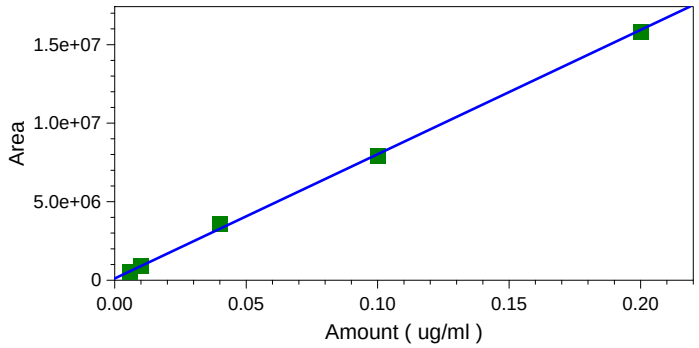
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	551445	933074	3606226	8155783	16178062
RF	91907500	93307400	90155650	81557830	80890310
Last Area					
Residual	0.000494755	-0.000210058	-0.00316531	0.00074667	0.00184611
Rep StDev					
Rep %RSD					
Rep 1 Area	551445	933074	3606226	8155783	16178062
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:24:06
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1016 #5 (back detector)
Average RF: 8.57893e+007 RF StDev: 6.19431e+006 RF %RSD: 7.22037
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 7.91683e+007x + 107506.
Goodness of fit (r^2): 0.999256

Peak: Aroclor 1016 #5 -- ESTD -- back detector



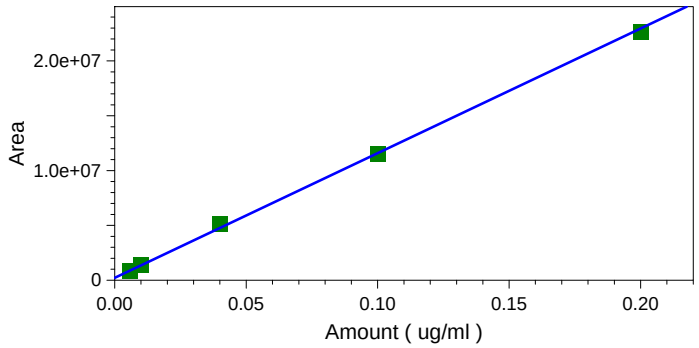
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	546674	904012	3574158	7888638	15838520
RF	91112333.3333	90401200	89353950	78886380	79192600
Last Area Residual	0.000452733	-6.09144e-005	-0.00378836	0.0017141	0.00129666
Rep StDev					
Rep %RSD					
Rep 1 Area	546674	904012	3574158	7888638	15838520
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:24:08
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1260 #1 (back detector)
Average RF: 1.27152e+008 RF StDev: 1.23774e+007 RF %RSD: 9.73431
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 1.13700e+008x + 221060.
Goodness of fit (r^2): 0.999262

Peak: Aroclor 1260 #1 -- ESTD -- back detector



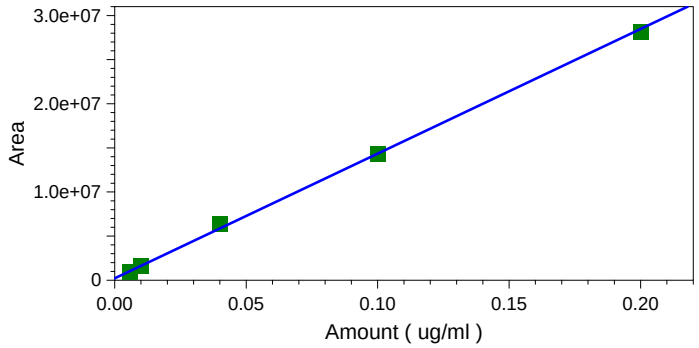
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	849656	1358346	5174558	11552039	22686599
RF	141609333.333333	135834600	129363950	115520390	113432995
Last Area Residual	0.000471462	-2.49484e-006	-0.00356629	0.000343409	0.00241433
Rep StDev					
Rep %RSD					
Rep 1 Area	849656	1358346	5174558	11552039	22686599
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:24:09
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1260 #2 (back detector)
Average RF: 1.54368e+008 RF StDev: 1.18096e+007 RF %RSD: 7.65029
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 1.41365e+008x + 212123.
Goodness of fit (r^2): 0.999359

Peak: Aroclor 1260 #2 -- ESTD -- back detector



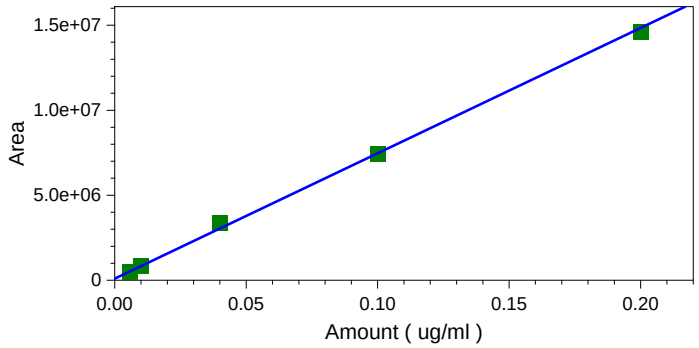
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	986584	1652760	6345034	14253545	28194166
RF	164430666.666667	165276000	158625850	142535450	140970830
Last Area					
Residual	0.000521539	-0.000190924	-0.00338361	0.000672353	0.00205776
Rep StDev					
Rep %RSD					
Rep 1 Area	986584	1652760	6345034	14253545	28194166
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:24:10
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1260 #3 (back detector)
Average RF: 7.93678e+007 RF StDev: 5.11631e+006 RF %RSD: 6.44633
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 7.37732e+007x + 90318.7
Goodness of fit (r^2): 0.999010

Peak: Aroclor 1260 #3 -- ESTD -- back detector



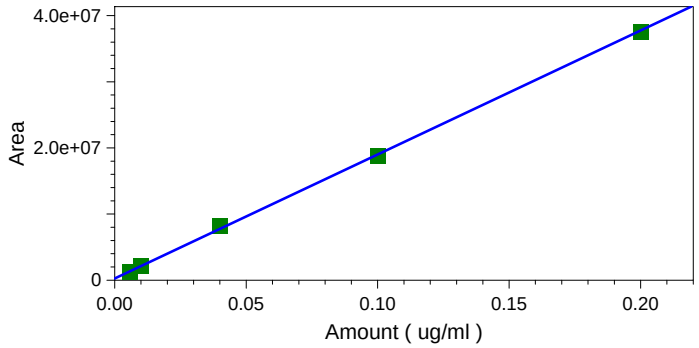
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	493791	833737	3341883	7445208	14633563
RF	82298500	83373700	83547075	74452080	73167815
Last Area					
Residual	0.000530913	-7.70721e-005	-0.00407511	0.000304115	0.00286561
Rep StDev					
Rep %RSD					
Rep 1 Area	493791	833737	3341883	7445208	14633563
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:24:12
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1260 #4 (back detector)
Average RF: 2.02774e+008 RF StDev: 1.43527e+007 RF %RSD: 7.07820
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 1.87570e+008x + 248616.
Goodness of fit (r^2): 0.999645

Peak: Aroclor 1260 #4 -- ESTD -- back detector



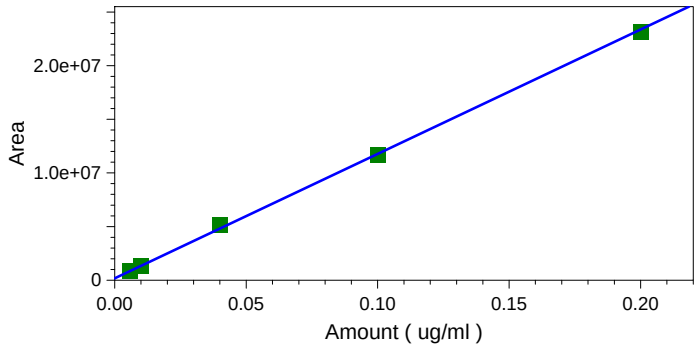
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	1308767	2142116	8235979	18758721	37608368
RF	218127833.333333	214211600	205899475	187587210	188041840
Last Area Residual	0.000347984	-9.48746e-005	-0.00258327	0.00131651	0.000822817
Rep StDev					
Rep %RSD					
Rep 1 Area	1308767	2142116	8235979	18758721	37608368
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:24:13
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1260 #5 (back detector)
Average RF: 1.26740e+008 RF StDev: 9.90069e+006 RF %RSD: 7.81182
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 1.15980e+008x + 175806.
Goodness of fit (r^2): 0.999446

Peak: Aroclor 1260 #5 -- ESTD -- back detector



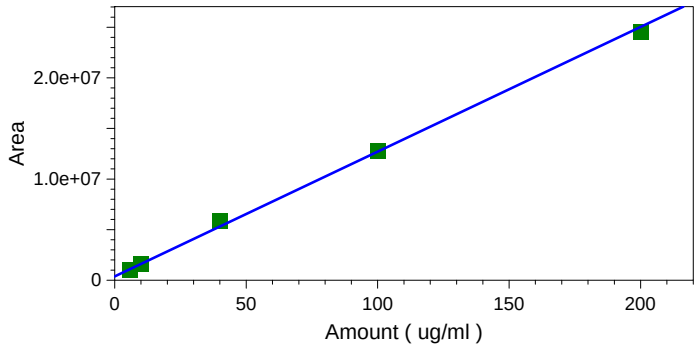
	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.006	0.01	0.04	0.1	0.2
Area	817361	1352448	5189952	11653833	23188039
RF	136226833.333333	135244800	129748800	116538330	115940195
Last Area Residual	0.000468417	-0.000145184	-0.00323272	0.00103472	0.00158506
Rep StDev					
Rep %RSD					
Rep 1 Area	817361	1352448	5189952	11653833	23188039
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
Print Time: May 07,2013 10:24:15
User: JJY
Instrument: Semi 7 (Offline)

SURRDCBPCB (back detector)
Average RF: 146389. RF StDev: 21306.8 RF %RSD: 14.5549
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 123306.x + 381865.
Goodness of fit (r^2): 0.998617

Peak: SURRDCBPCB -- ESTD -- back detector

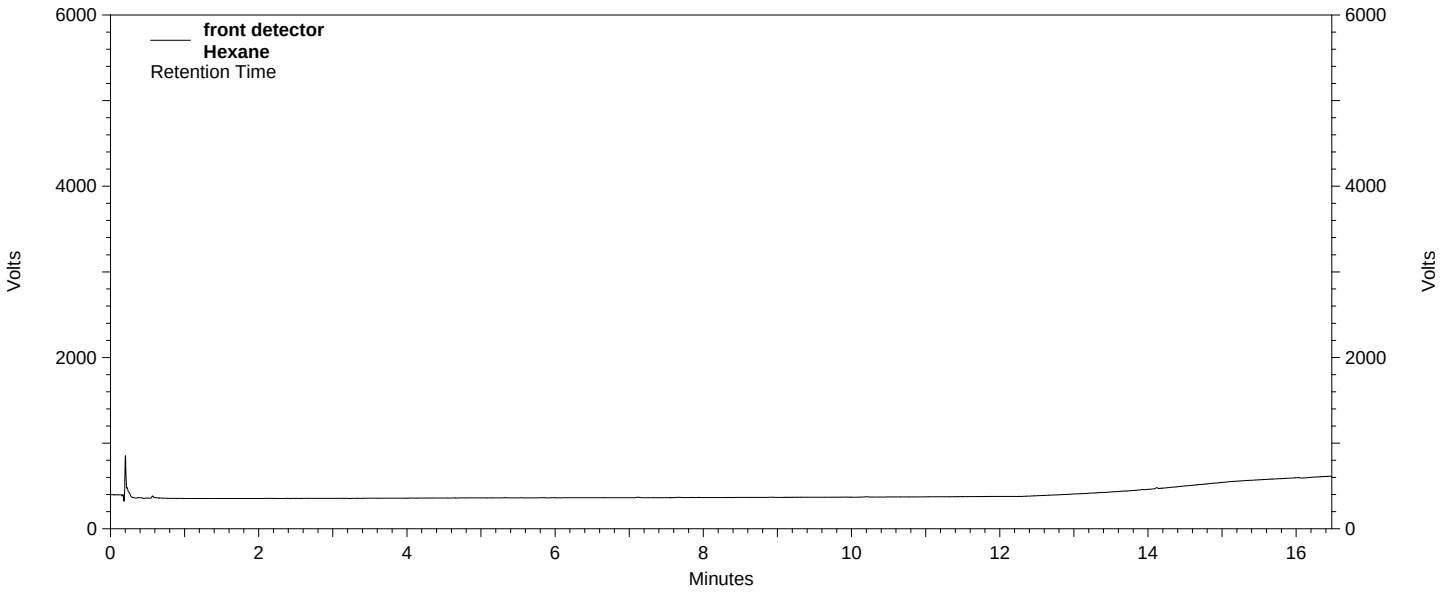


	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	6	10	40	100	200
Area	1029346	1630634	5872742	12757669	24585968
RF	171557.666666667	163063.4	146818.55	127576.69	122929.84
Last Area Residual	0.748975	-0.127429	-4.53063	-0.366916	3.70639
Rep StDev					
Rep %RSD					
Rep 1 Area	1029346	1630634	5872742	12757669	24585968
Rep 1 User	JJY	JJY	JJY	JJY	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\003.dat	C:\Instarch\Semi7\Data\050713pcbic\004.dat	C:\Instarch\Semi7\Data\050713pcbic\005.dat	C:\Instarch\Semi7\Data\050713pcbic\006.dat	C:\Instarch\Semi7\Data\050713pcbic\007.dat
Rep 1 Sample ID	PCB ICAL 1 PP 3871	PCB ICAL 2 PP 3872	PCB ICAL 3 PP 3873	PCB ICAL 4 PP 3874	PCB ICAL 5 PP 3875
Rep 1 Calib. Time	May 07,2013 10:06:38	May 07,2013 10:06:46	May 07,2013 10:06:54	May 07,2013 10:07:02	May 07,2013 10:19:42

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\002.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: Hexane
Acquired: May 07,2013 08:23:32
Printed: May 07,2013 10:22:29

Data Summary: {Data Description}



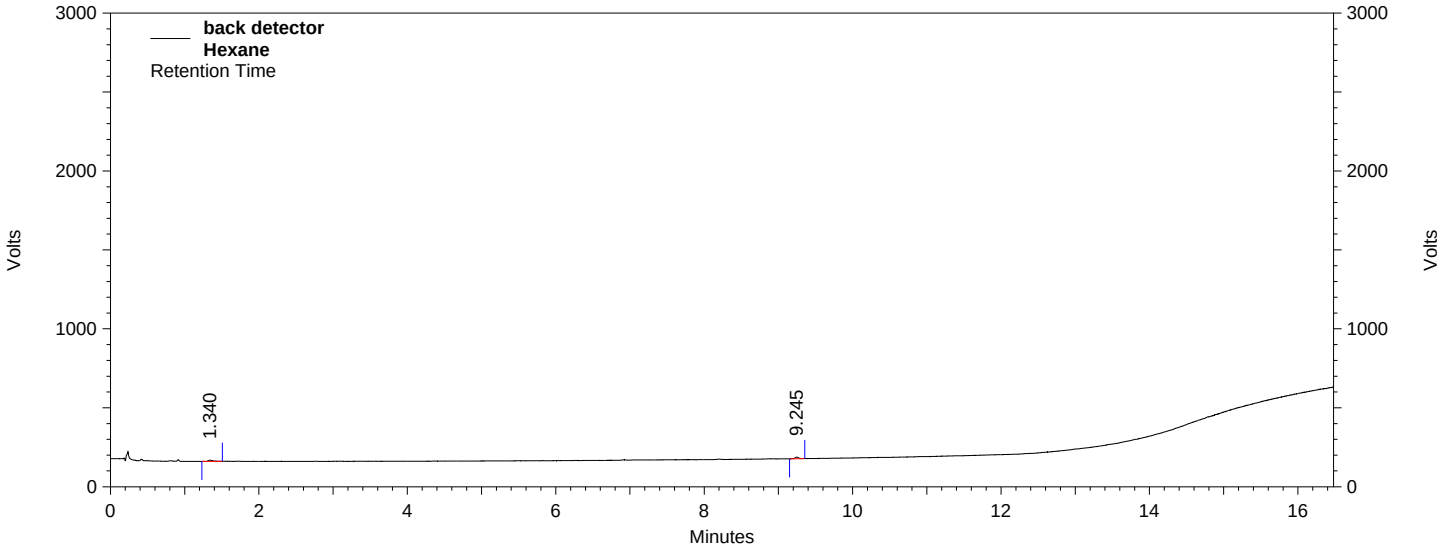
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB			0.000 BDL
Aroclor 1016 #1			0.000 BDL
Aroclor 1016 #2			0.000 BDL
Aroclor 1016 #3			0.000 BDL
Aroclor 1016 #4			0.000 BDL
Aroclor 1016 #5			0.000 BDL
Aroclor 1260 #1			0.000 BDL
Aroclor 1260 #2			0.000 BDL
Aroclor 1260 #3			0.000 BDL
Aroclor 1260 #4			0.000 BDL
Aroclor 1260 #5			0.000 BDL
SURRDCBPCB			0.000 BDL
Aroclor 1016		0	0.000
Aroclor 1260		0	0.000

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\002.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: Hexane
Acquired: May 07,2013 08:23:32
Printed: May 07,2013 10:22:29

Data Summary: {Data Description}



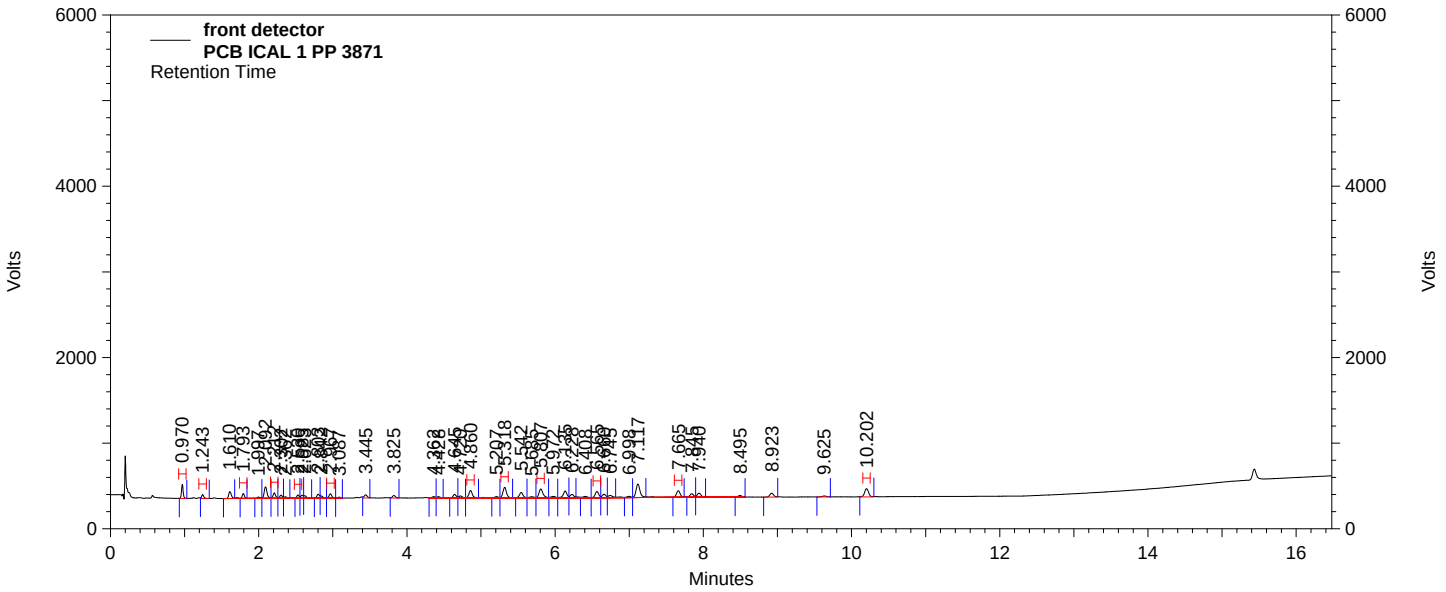
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB			0.000 BDL
Aroclor 1016 #1			0.000 BDL
Aroclor 1016 #2			0.000 BDL
Aroclor 1016 #3			0.000 BDL
Aroclor 1016 #4			0.000 BDL
Aroclor 1016 #5			0.000 BDL
Aroclor 1260 #1			0.000 BDL
Aroclor 1260 #2			0.000 BDL
Aroclor 1260 #3			0.000 BDL
Aroclor 1260 #4			0.000 BDL
Aroclor 1260 #5			0.000 BDL
SURRDCBPCB			0.000 BDL
Aroclor 1016		0	0.000
Aroclor 1260		0	0.000

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\003.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: PCB ICAL 1 PP 3871
Acquired: May 07,2013 08:43:10
Printed: May 07,2013 10:22:31

Data Summary: {Data Description}



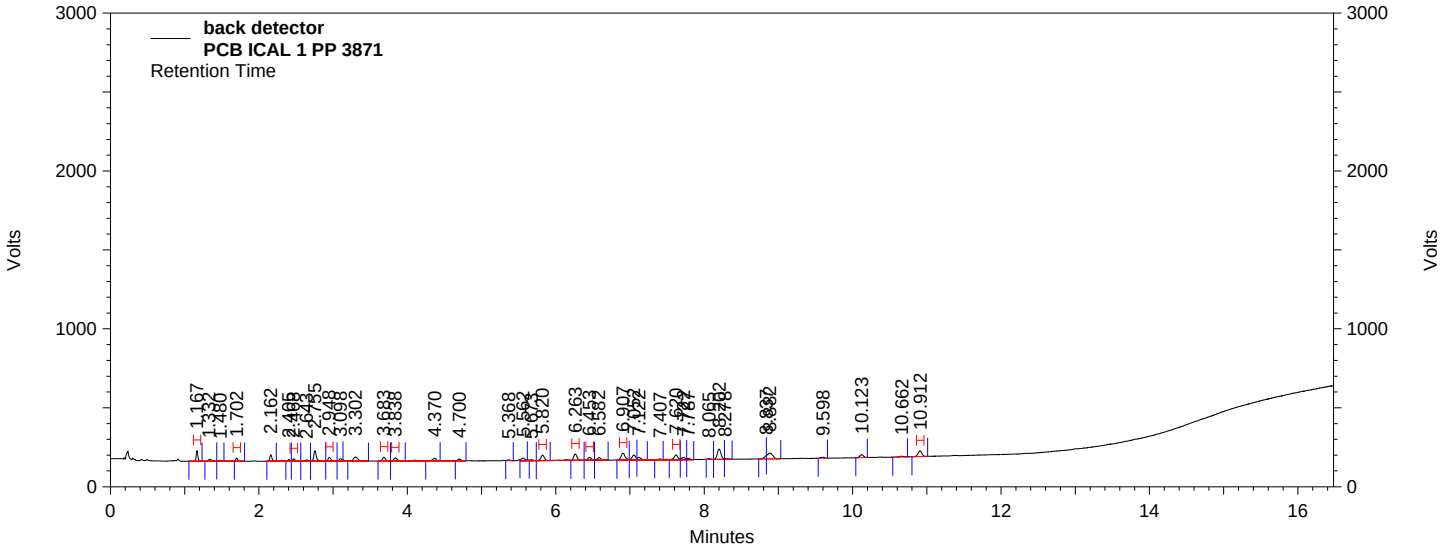
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	0.970	1966910	6.000 CAL
Aroclor 1016 #1	1.243	701130	0.006 CAL
Aroclor 1016 #2	1.793	887288	0.006 CAL
Aroclor 1016 #3	2.212	1229111	0.006 CAL
Aroclor 1016 #4	2.530	676102	0.006 CAL
Aroclor 1016 #5	2.967	1096552	0.006 CAL
Aroclor 1260 #1	4.860	2208079	0.006 CAL
Aroclor 1260 #2	5.318	3196953	0.006 CAL
Aroclor 1260 #3	5.807	2954197	0.006 CAL
Aroclor 1260 #4	6.565	1810600	0.006 CAL
Aroclor 1260 #5	7.665	2138326	0.006 CAL
SURRDCBPCB	10.202	2792128	6.000 CAL
Aroclor 1016		4590183	0.030 CAL
Aroclor 1260		12308155	0.030 CAL

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\003.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: PCB ICAL 1 PP 3871
Acquired: May 07,2013 08:43:10
Printed: May 07,2013 10:22:31

Data Summary: {Data Description}



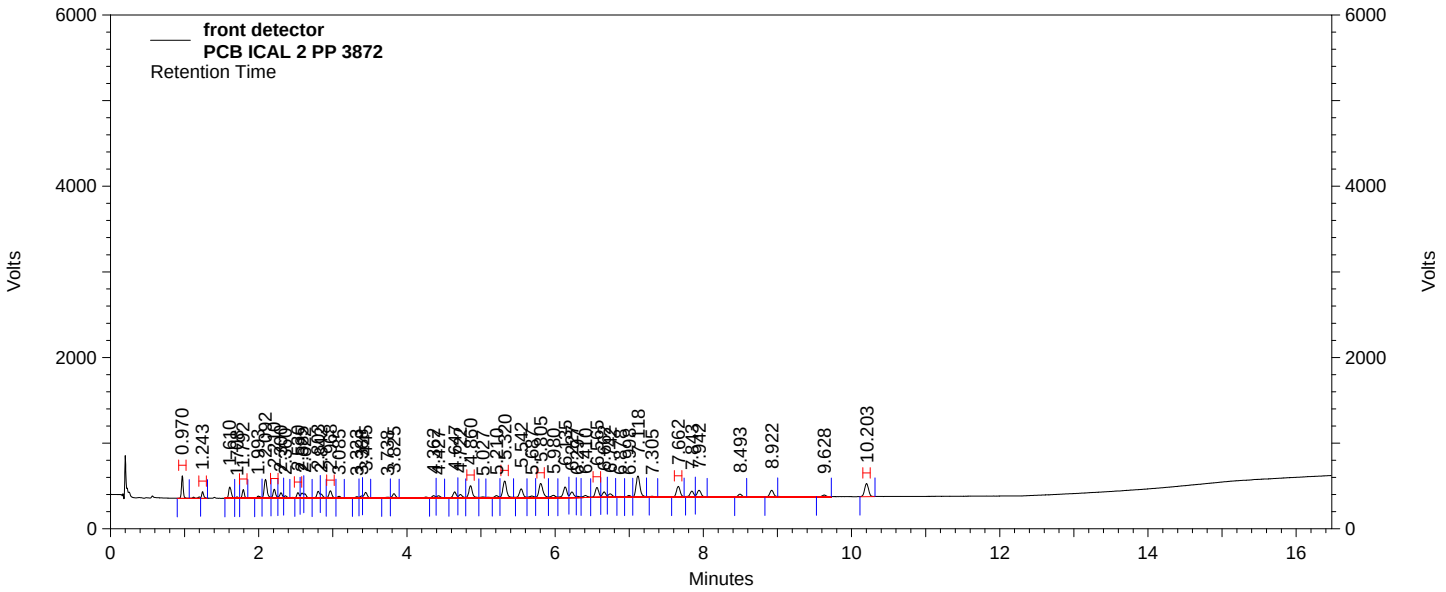
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	1.167	826718	6.000 CAL
Aroclor 1016 #1	1.702	323861	0.006 CAL
Aroclor 1016 #2	2.468	251479	0.006 CAL
Aroclor 1016 #3	2.948	546415	0.006 CAL
Aroclor 1016 #4	3.683	551445	0.006 CAL
Aroclor 1016 #5	3.838	546674	0.006 CAL
Aroclor 1260 #1	5.820	849656	0.006 CAL
Aroclor 1260 #2	6.263	986584	0.006 CAL
Aroclor 1260 #3	6.453	493791	0.006 CAL
Aroclor 1260 #4	6.907	1308767	0.006 CAL
Aroclor 1260 #5	7.620	817361	0.006 CAL
SURRDCBPCB	10.912	1029346	6.000 CAL
Aroclor 1016		2219874	0.030 CAL
Aroclor 1260		4456159	0.030 CAL

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\004.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: PCB ICAL 2 PP 3872
Acquired: May 07,2013 09:02:45
Printed: May 07,2013 10:22:33

Data Summary: {Data Description}



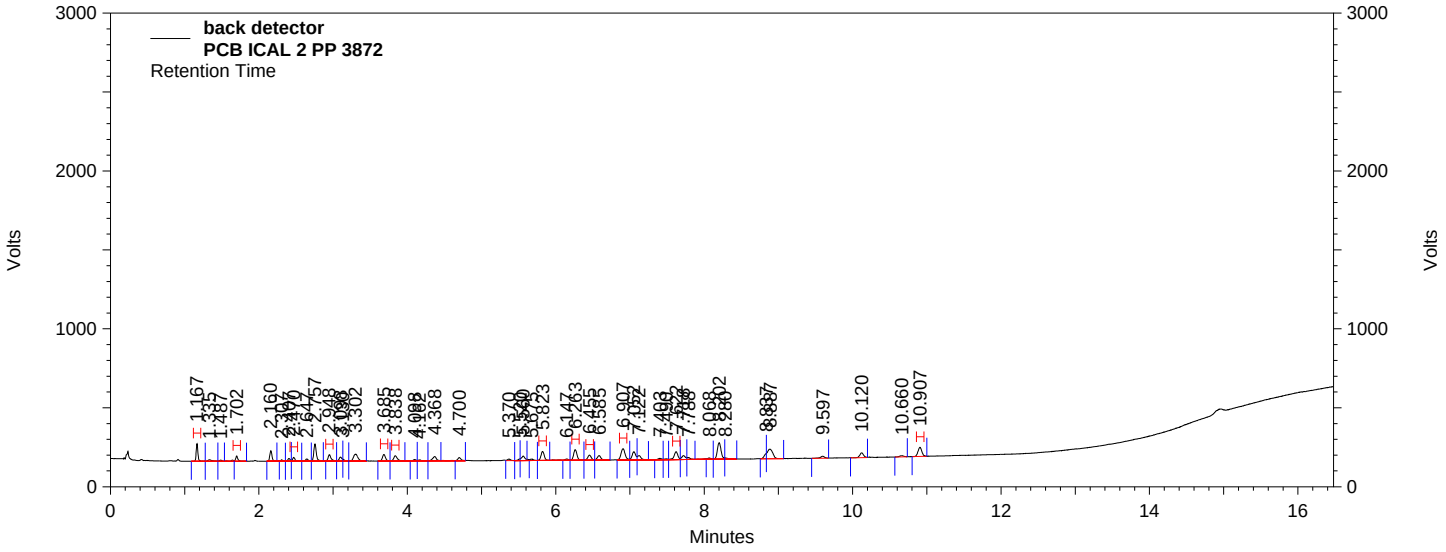
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	0.970	3246066	10.000 CAL
Aroclor 1016 #1	1.243	1115421	0.010 CAL
Aroclor 1016 #2	1.792	1568846	0.010 CAL
Aroclor 1016 #3	2.210	2044791	0.010 CAL
Aroclor 1016 #4	2.530	1169435	0.010 CAL
Aroclor 1016 #5	2.968	1911570	0.010 CAL
Aroclor 1260 #1	4.860	3613313	0.010 CAL
Aroclor 1260 #2	5.320	5275908	0.010 CAL
Aroclor 1260 #3	5.805	4842547	0.010 CAL
Aroclor 1260 #4	6.565	2997060	0.010 CAL
Aroclor 1260 #5	7.662	3569046	0.010 CAL
SURRDCBPCB	10.203	4518704	10.000 CAL
Aroclor 1016		7810063	0.050 CAL
Aroclor 1260		20297874	0.050 CAL

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\004.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: PCB ICAL 2 PP 3872
Acquired: May 07,2013 09:02:45
Printed: May 07,2013 10:22:33

Data Summary: {Data Description}



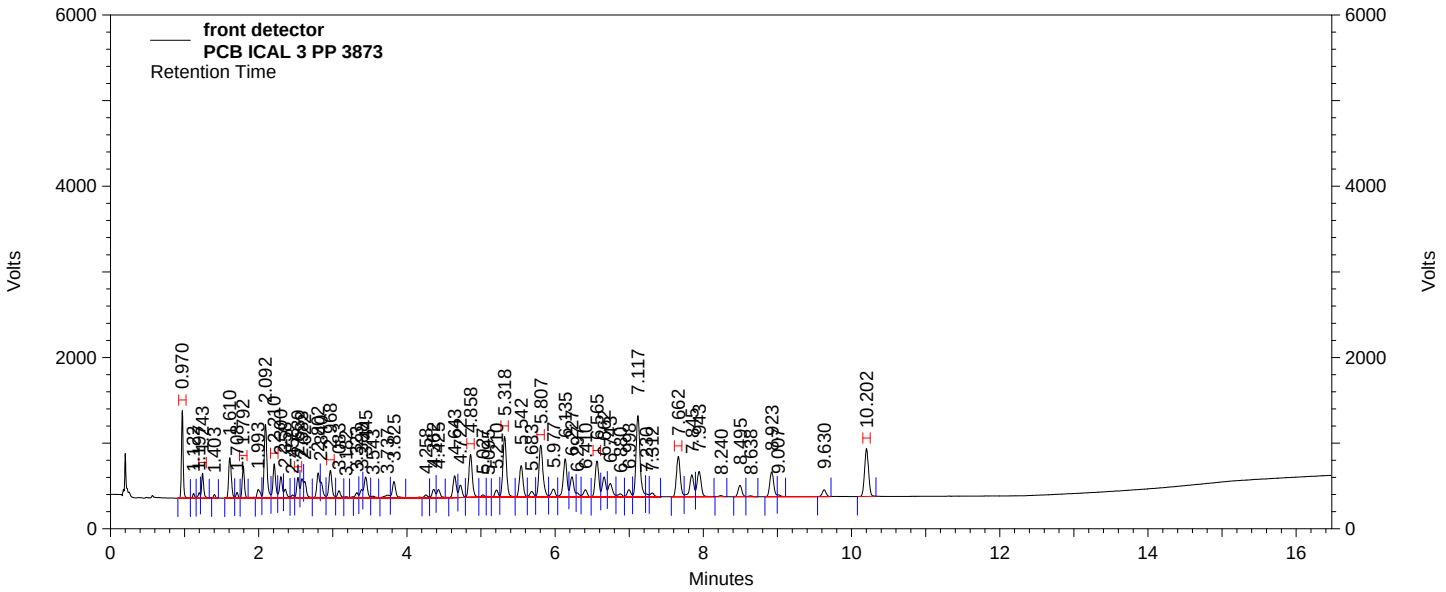
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	1.167	1368163	10.000 CAL
Aroclor 1016 #1	1.702	523065	0.010 CAL
Aroclor 1016 #2	2.470	410580	0.010 CAL
Aroclor 1016 #3	2.948	900280	0.010 CAL
Aroclor 1016 #4	3.685	933074	0.010 CAL
Aroclor 1016 #5	3.838	904012	0.010 CAL
Aroclor 1260 #1	5.823	1358346	0.010 CAL
Aroclor 1260 #2	6.263	1652760	0.010 CAL
Aroclor 1260 #3	6.455	833737	0.010 CAL
Aroclor 1260 #4	6.907	2142116	0.010 CAL
Aroclor 1260 #5	7.622	1352448	0.010 CAL
SURRDCBPCB	10.907	1630634	10.000 CAL
Aroclor 1016		3671011	0.050 CAL
Aroclor 1260		7339407	0.050 CAL

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\005.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: PCB ICAL 3 PP 3873
Acquired: May 07,2013 09:22:23
Printed: May 07,2013 10:22:35

Data Summary: {Data Description}



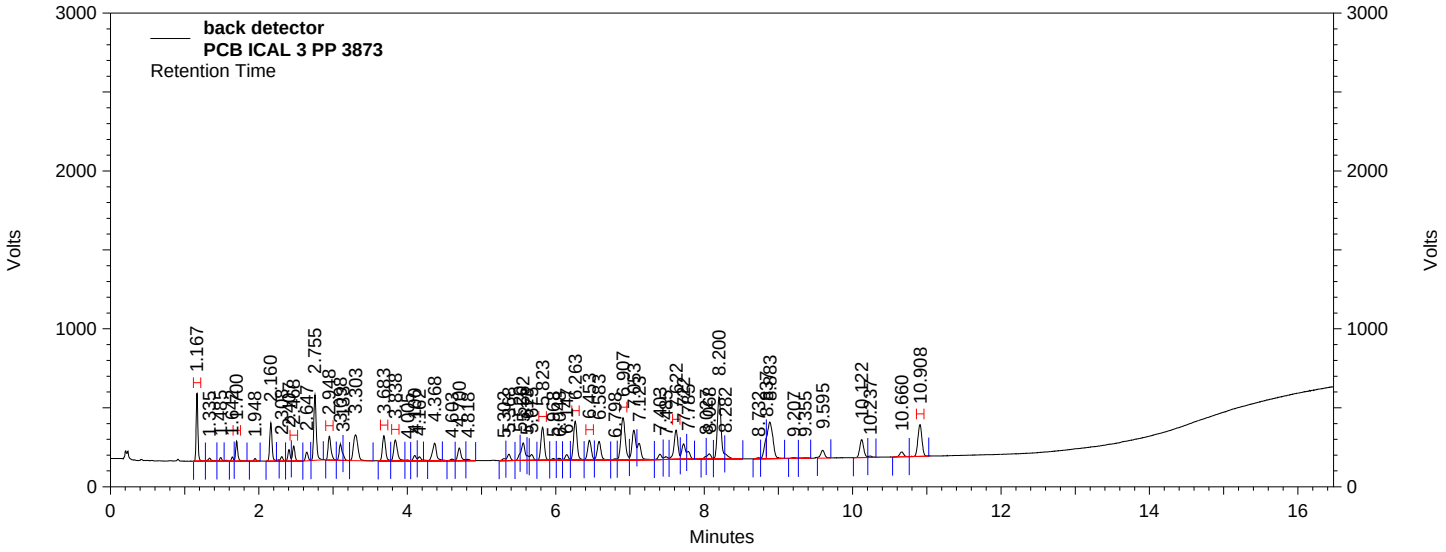
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	0.970	12600995	40.000 CAL
Aroclor 1016 #1	1.243	4387618	0.040 CAL
Aroclor 1016 #2	1.792	5870004	0.040 CAL
Aroclor 1016 #3	2.210	7702385	0.040 CAL
Aroclor 1016 #4	2.530	4362613	0.040 CAL
Aroclor 1016 #5	2.968	7234148	0.040 CAL
Aroclor 1260 #1	4.858	12767127	0.040 CAL
Aroclor 1260 #2	5.318	18934783	0.040 CAL
Aroclor 1260 #3	5.807	17767455	0.040 CAL
Aroclor 1260 #4	6.565	10992520	0.040 CAL
Aroclor 1260 #5	7.662	13155358	0.040 CAL
SURRDCBPCB	10.202	16055998	40.000 CAL
Aroclor 1016		29556768	0.200 CAL
Aroclor 1260		73617243	0.200 CAL

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\005.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: PCB ICAL 3 PP 3873
Acquired: May 07,2013 09:22:23
Printed: May 07,2013 10:22:35

Data Summary: {Data Description}



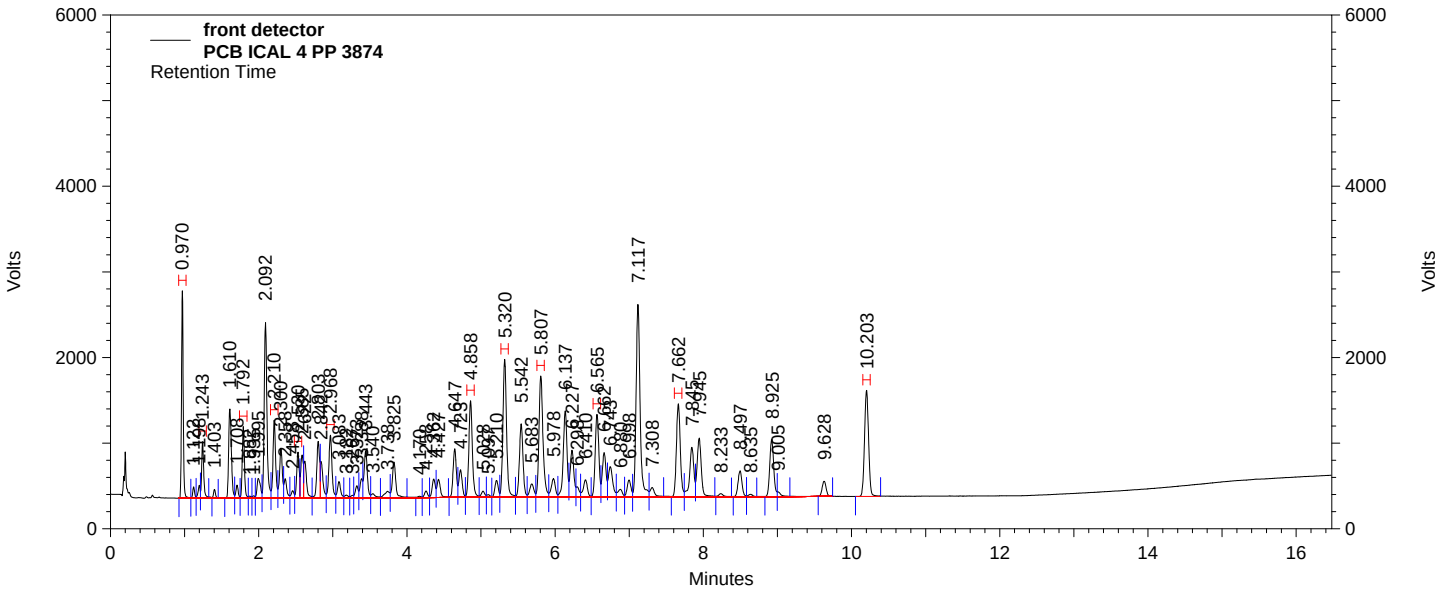
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	1.167	5344083	40.000 CAL
Aroclor 1016 #1	1.700	1998260	0.040 CAL
Aroclor 1016 #2	2.468	1651562	0.040 CAL
Aroclor 1016 #3	2.948	3134361	0.040 CAL
Aroclor 1016 #4	3.683	3606226	0.040 CAL
Aroclor 1016 #5	3.838	3574158	0.040 CAL
Aroclor 1260 #1	5.823	5174558	0.040 CAL
Aroclor 1260 #2	6.263	6345034	0.040 CAL
Aroclor 1260 #3	6.453	3341883	0.040 CAL
Aroclor 1260 #4	6.907	8235979	0.040 CAL
Aroclor 1260 #5	7.622	5189952	0.040 CAL
SURRDCBPCB	10.908	5872742	40.000 CAL
Aroclor 1016		13964567	0.200 CAL
Aroclor 1260		28287406	0.200 CAL

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\006.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: PCB ICAL 4 PP 3874
Acquired: May 07,2013 09:42:02
Printed: May 07,2013 10:22:37

Data Summary: {Data Description}



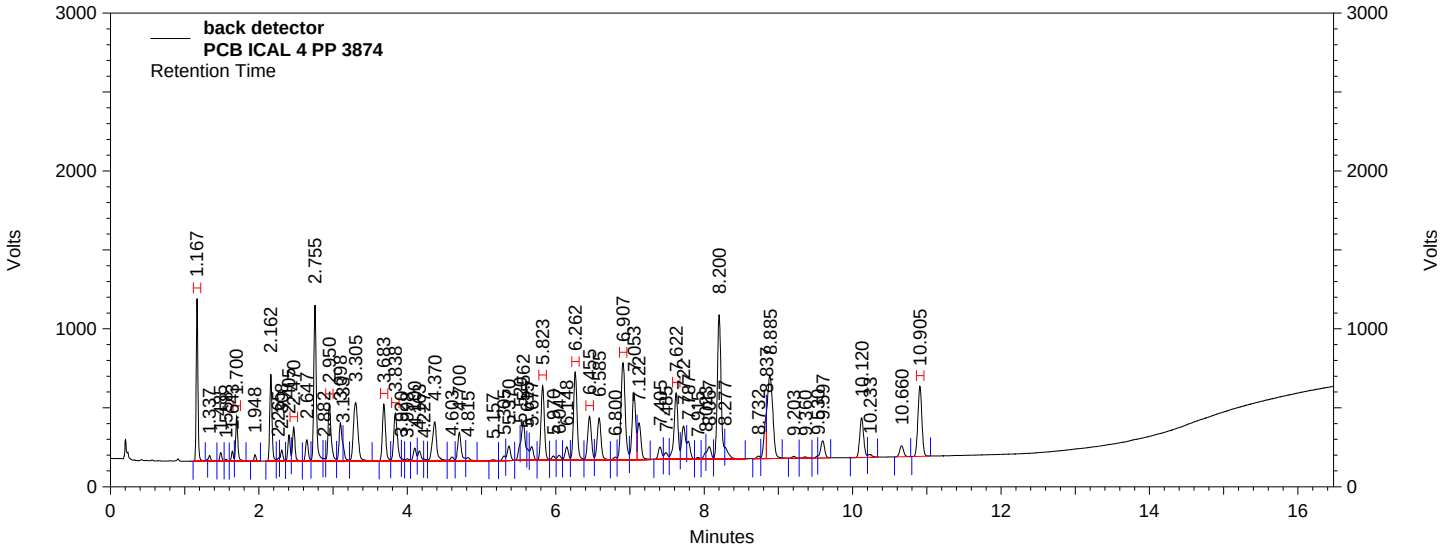
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	0.970	29474906	100.000 CAL
Aroclor 1016 #1	1.243	9797451	0.100 CAL
Aroclor 1016 #2	1.792	13182783	0.100 CAL
Aroclor 1016 #3	2.210	17356987	0.100 CAL
Aroclor 1016 #4	2.530	9631531	0.100 CAL
Aroclor 1016 #5	2.968	16445759	0.100 CAL
Aroclor 1260 #1	4.858	28667592	0.100 CAL
Aroclor 1260 #2	5.320	42922927	0.100 CAL
Aroclor 1260 #3	5.807	41055370	0.100 CAL
Aroclor 1260 #4	6.565	25209443	0.100 CAL
Aroclor 1260 #5	7.662	30758077	0.100 CAL
SURRDCBPCB	10.203	36415012	100.000 CAL
Aroclor 1016		66414511	0.500 CAL
Aroclor 1260		168613409	0.500 CAL

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\006.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: PCB ICAL 4 PP 3874
Acquired: May 07,2013 09:42:02
Printed: May 07,2013 10:22:37

Data Summary: {Data Description}



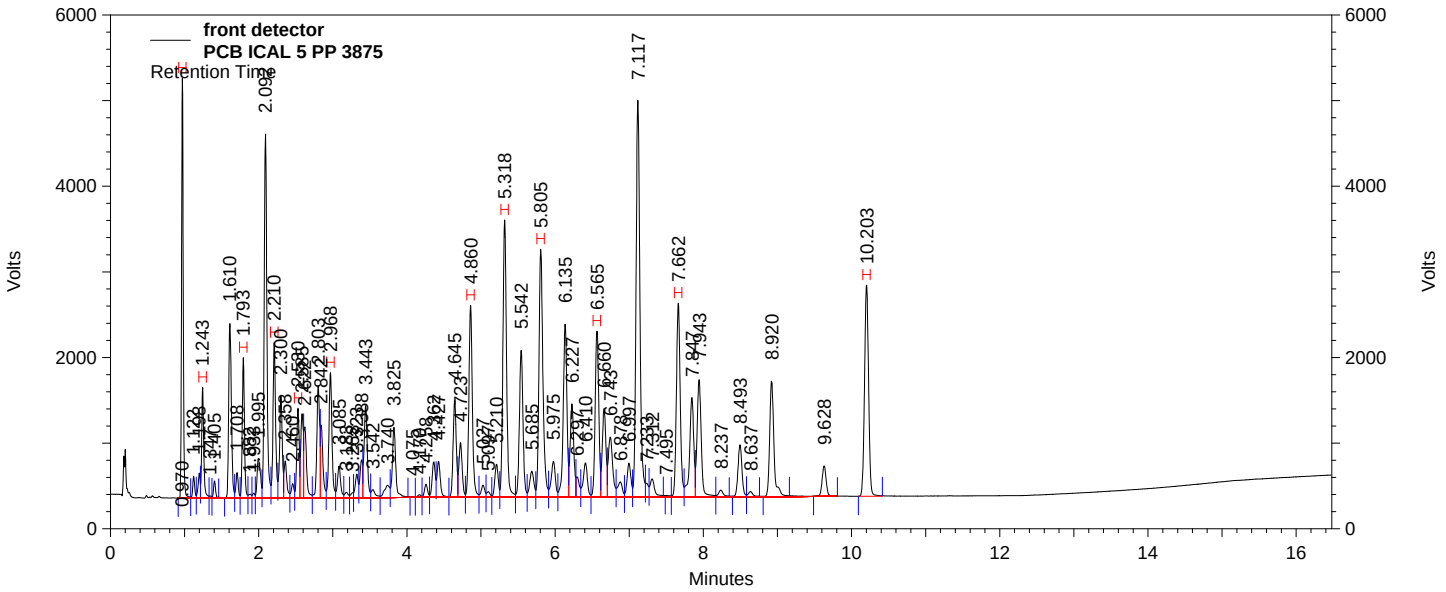
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	1.167	12591736	100.000 CAL
Aroclor 1016 #1	1.700	4409649	0.100 CAL
Aroclor 1016 #2	2.470	3786557	0.100 CAL
Aroclor 1016 #3	2.950	7916877	0.100 CAL
Aroclor 1016 #4	3.683	8155783	0.100 CAL
Aroclor 1016 #5	3.838	7888638	0.100 CAL
Aroclor 1260 #1	5.823	11552039	0.100 CAL
Aroclor 1260 #2	6.262	14253545	0.100 CAL
Aroclor 1260 #3	6.455	7445208	0.100 CAL
Aroclor 1260 #4	6.907	18758721	0.100 CAL
Aroclor 1260 #5	7.622	11653833	0.100 CAL
SURRDCBPCB	10.905	12757669	100.000 CAL
Aroclor 1016		32157504	0.500 CAL
Aroclor 1260		63663346	0.500 CAL

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\007.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: PCB ICAL 5 PP 3875
Acquired: May 07,2013 10:01:40
Printed: May 07,2013 10:22:38

Data Summary: {Data Description}



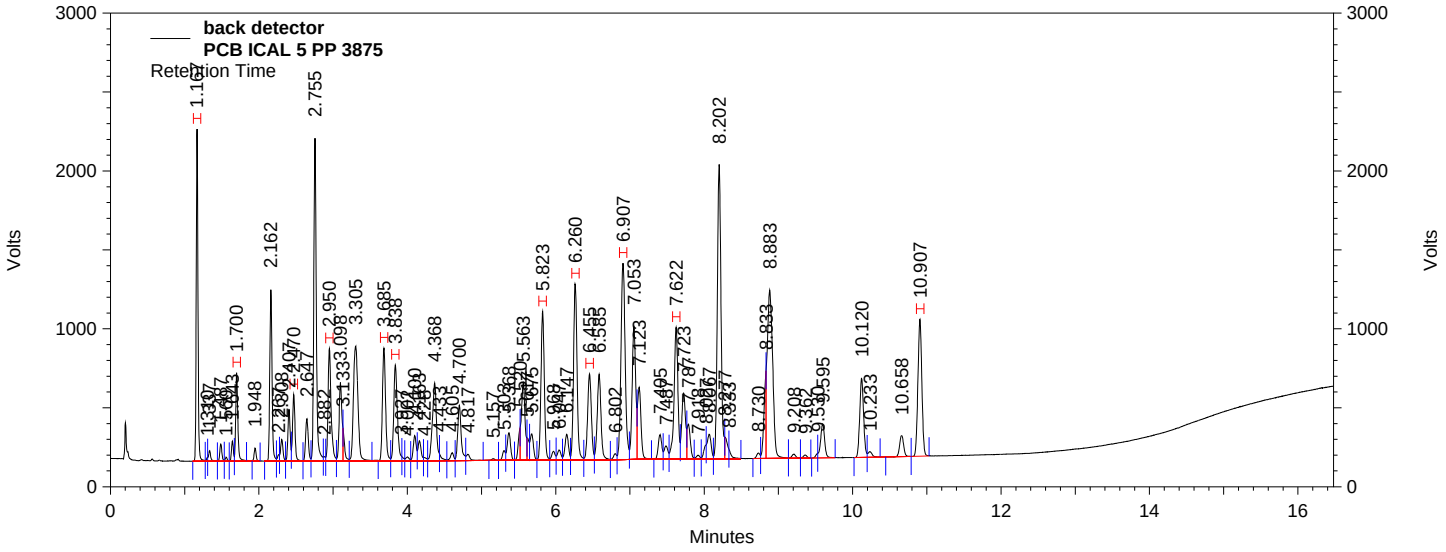
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	0.970	59594453	200.000 CAL
Aroclor 1016 #1	1.243	19134226	0.200 CAL
Aroclor 1016 #2	1.793	25740050	0.200 CAL
Aroclor 1016 #3	2.210	33983737	0.200 CAL
Aroclor 1016 #4	2.530	18654008	0.200 CAL
Aroclor 1016 #5	2.968	32324087	0.200 CAL
Aroclor 1260 #1	4.860	56439463	0.200 CAL
Aroclor 1260 #2	5.318	85052275	0.200 CAL
Aroclor 1260 #3	5.805	82438340	0.200 CAL
Aroclor 1260 #4	6.565	50225672	0.200 CAL
Aroclor 1260 #5	7.662	62143010	0.200 CAL
SURRDCBPCB	10.203	71795453	200.000 CAL
Aroclor 1016		129836108	1.000 CAL
Aroclor 1260		336298760	1.000 CAL

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\007.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: PCB ICAL 5 PP 3875
Acquired: May 07,2013 10:01:40
Printed: May 07,2013 10:22:38

Data Summary: {Data Description}



back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	1.167	25808759	200.000 CAL
Aroclor 1016 #1	1.700	8660500	0.200 CAL
Aroclor 1016 #2	2.470	7378630	0.200 CAL
Aroclor 1016 #3	2.950	15552145	0.200 CAL
Aroclor 1016 #4	3.685	16178062	0.200 CAL
Aroclor 1016 #5	3.838	15838520	0.200 CAL
Aroclor 1260 #1	5.823	22686599	0.200 CAL
Aroclor 1260 #2	6.260	28194166	0.200 CAL
Aroclor 1260 #3	6.455	14633563	0.200 CAL
Aroclor 1260 #4	6.907	37608368	0.200 CAL
Aroclor 1260 #5	7.622	23188039	0.200 CAL
SURRDCBPCB	10.907	24585968	200.000 CAL
Aroclor 1016		63607857	1.000 CAL
Aroclor 1260		126310735	1.000 CAL

QC Check Standard Report

Sequence : C:\Instarch\Semi7\Sequence\050713pcbic.seq
User : JJY
Printed : May 07,2013 10:38:06

File	Sample ID	Acquired
C:\Instarch\Semi7\Data\050713pcbic\008.dat	PCB ICV PP 3778	May 07,2013 10:38:05

front detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPCB	100.000	102.812	2.812	20.000	Passed
Aroclor 1016 #1	0.100	0.102	2.081	20.000	Passed
Aroclor 1016 #2	0.100	0.102	1.729	20.000	Passed
Aroclor 1016 #3	0.100	0.101	1.093	20.000	Passed
Aroclor 1016 #4	0.100	0.103	3.191	20.000	Passed
Aroclor 1016 #5	0.100	0.100	0.406	20.000	Passed
Aroclor 1260 #1	0.100	0.101	1.441	20.000	Passed
Aroclor 1260 #2	0.100	0.101	1.371	20.000	Passed
Aroclor 1260 #3	0.100	0.107	6.653	20.000	Passed
Aroclor 1260 #4	0.100	0.089	10.792	20.000	Passed
Aroclor 1260 #5	0.100	0.098	2.423	20.000	Passed
SURRDCBPCB	100.000	105.337	5.337	20.000	Passed
Aroclor 1016	0.500	0.509	1.700	20.000	Passed
Aroclor 1260	0.500	0.496	0.750	20.000	Passed

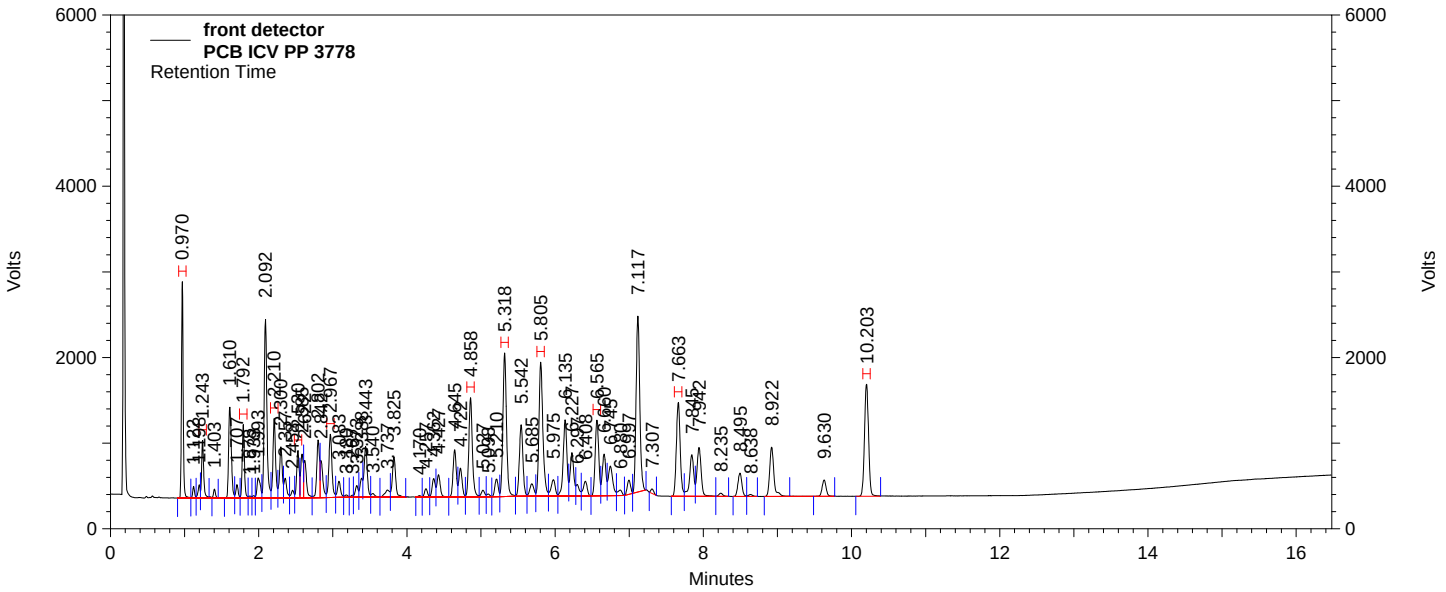
back detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPCB	100.000	102.523	2.523	20.000	Passed
Aroclor 1016 #1	0.100	0.102	2.464	20.000	Passed
Aroclor 1016 #2	0.100	0.103	2.531	20.000	Passed
Aroclor 1016 #3	0.100	0.103	3.335	20.000	Passed
Aroclor 1016 #4	0.100	0.102	2.226	20.000	Passed
Aroclor 1016 #5	0.100	0.104	3.930	20.000	Passed
Aroclor 1260 #1	0.100	0.102	2.174	20.000	Passed
Aroclor 1260 #2	0.100	0.102	1.661	20.000	Passed
Aroclor 1260 #3	0.100	0.101	1.354	20.000	Passed
Aroclor 1260 #4	0.100	0.107	7.150	20.000	Passed
Aroclor 1260 #5	0.100	0.095	5.168	20.000	Passed
SURRDCBPCB	100.000	106.777	6.777	20.000	Passed
Aroclor 1016	0.500	0.514	2.897	20.000	Passed
Aroclor 1260	0.500	0.507	1.434	20.000	Passed

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\008.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: PCB ICV PP 3778
Acquired: May 07,2013 10:21:19
Printed: May 07,2013 10:38:03

Data Summary: {Data Description}



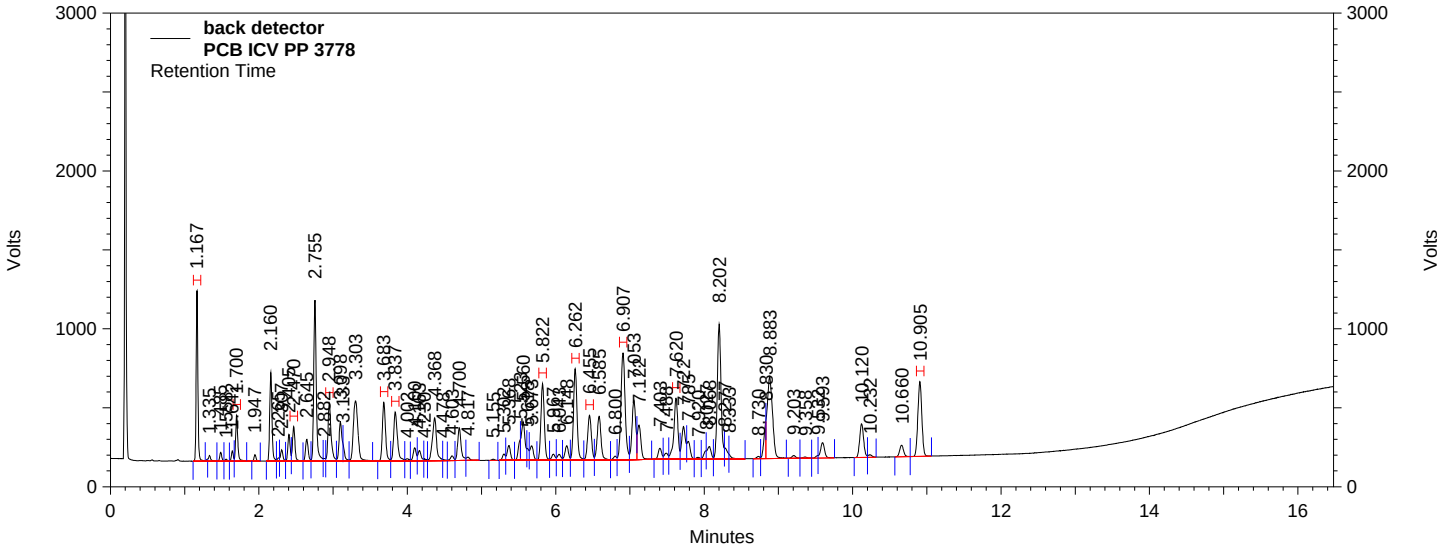
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	0.970	30748223	102.812
Aroclor 1016 #1	1.243	9992395	0.102
Aroclor 1016 #2	1.792	13396756	0.102
Aroclor 1016 #3	2.210	17553224	0.101
Aroclor 1016 #4	2.530	9897760	0.103
Aroclor 1016 #5	2.967	16538200	0.100
Aroclor 1260 #1	4.858	29231431	0.101
Aroclor 1260 #2	5.318	43843986	0.101
Aroclor 1260 #3	5.805	44321839	0.107
Aroclor 1260 #4	6.565	22745552	0.089
Aroclor 1260 #5	7.663	30482559	0.098
SURRDCBPCB	10.203	38510759	105.337
Aroclor 1016		67378335	0.509
Aroclor 1260		170625367	0.496

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\008.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: PCB ICV PP 3778
Acquired: May 07,2013 10:21:19
Printed: May 07,2013 10:38:03

Data Summary: {Data Description}



back detector Results

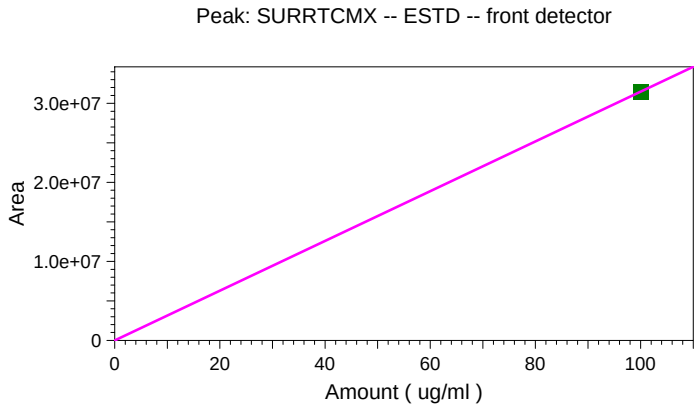
Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	1.167	13192988	102.523
Aroclor 1016 #1	1.700	4537290	0.102
Aroclor 1016 #2	2.470	3860419	0.103
Aroclor 1016 #3	2.948	8098344	0.103
Aroclor 1016 #4	3.683	8396877	0.102
Aroclor 1016 #5	3.837	8335433	0.104
Aroclor 1260 #1	5.822	11838215	0.102
Aroclor 1260 #2	6.262	14583363	0.102
Aroclor 1260 #3	6.455	7567510	0.101
Aroclor 1260 #4	6.907	20346734	0.107
Aroclor 1260 #5	7.620	11174423	0.095
SURRDCBPCB	10.905	13548083	106.777
Aroclor 1016		33228363	0.514
Aroclor 1260		65510245	0.507

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1221.met
Print Time: May 07,2013 11:20:22
User: JJY
Instrument: Semi 7 (Offline)

SURRTCMX (front detector)
Average RF: 314786.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 314786.



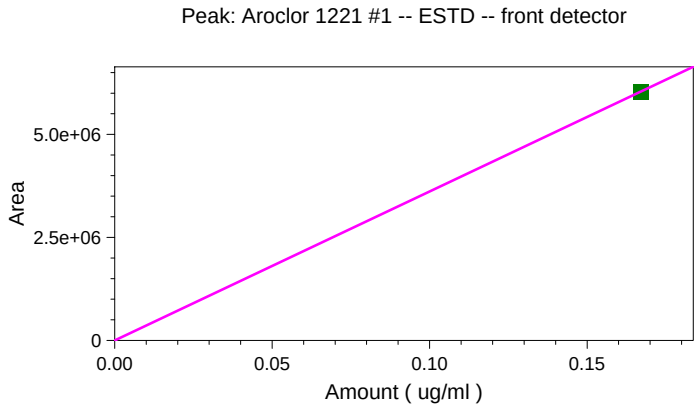
	Level 1
Amount	100
Area	31478582
RF	314785.82
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	31478582
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\010.dat
Rep 1 Sample ID	PCB 1221 CF PP 3793
Rep 1 Calib. Time	May 07,2013 11:19:33

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1221.met
Print Time: May 07,2013 11:20:26
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1221 #1 (front detector)
Average RF: 3.61479e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 3.61479e+007



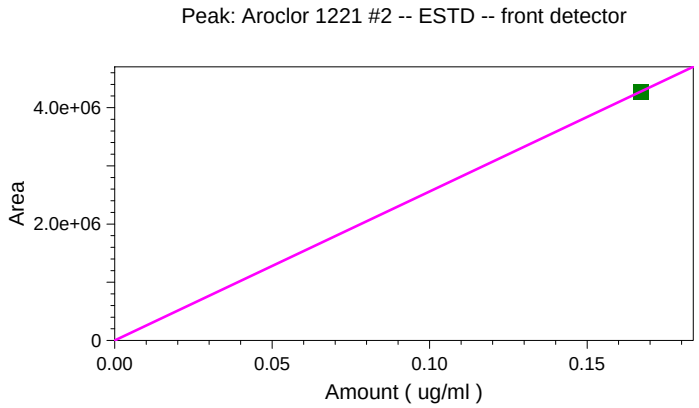
	Level 1
Amount	0.167
Area	6036700
RF	36147904.19
	16168
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	6036700
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\010.dat
Rep 1 Sample ID	PCB 1221 CF PP 3793
Rep 1 Calib. Time	May 07,2013 11:19:33

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1221.met
Print Time: May 07,2013 11:20:28
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1221 #2 (front detector)
Average RF: 2.55950e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 2.55950e+007



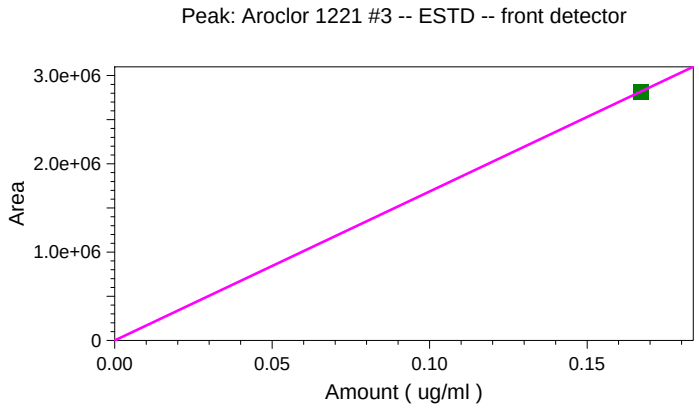
	Level 1
Amount	0.167
Area	4274362
RF	25594982.03 59281
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	4274362
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\010.dat
Rep 1 Sample ID	PCB 1221 CF PP 3793
Rep 1 Calib. Time	May 07,2013 11:19:33

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1221.met
Print Time: May 07,2013 11:20:29
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1221 #3 (front detector)
Average RF: 1.68709e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.68709e+007



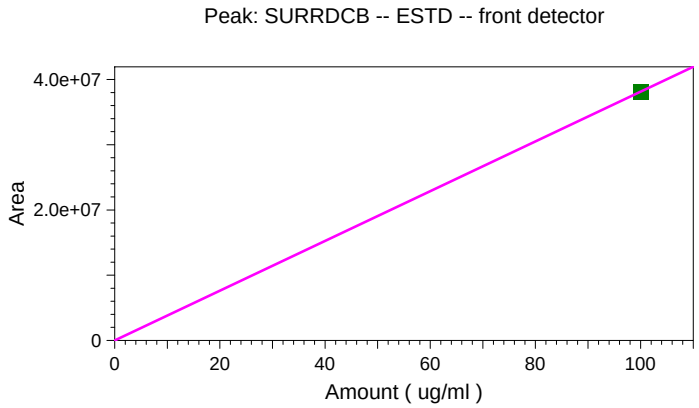
	Level 1
Amount	0.167
Area	2817432
RF	16870850.29
	94012
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	2817432
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\010.dat
Rep 1 Sample ID	PCB 1221 CF PP 3793
Rep 1 Calib. Time	May 07,2013 11:19:33

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1221.met
Print Time: May 07,2013 11:20:30
User: JJY
Instrument: Semi 7 (Offline)

SURRDCB (front detector)
Average RF: 381342.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 381342.



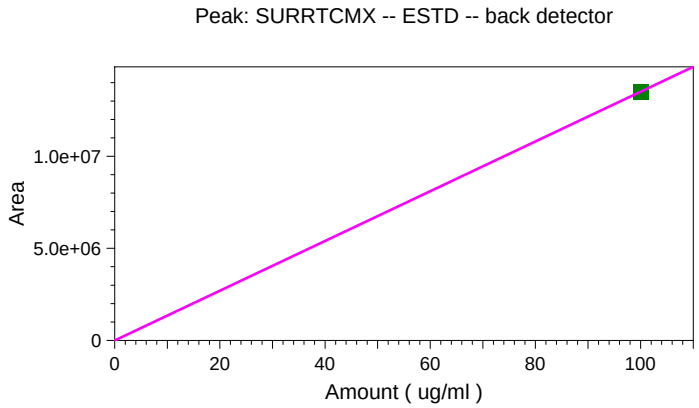
	Level 1
Amount	100
Area	38134229
RF	381342.29
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	38134229
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\010.dat
Rep 1 Sample ID	PCB 1221 CF PP 3793
Rep 1 Calib. Time	May 07,2013 11:19:33

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1221.met
Print Time: May 07,2013 11:20:36
User: JJY
Instrument: Semi 7 (Offline)

SURRTCMX (back detector)
Average RF: 135095.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 135095.



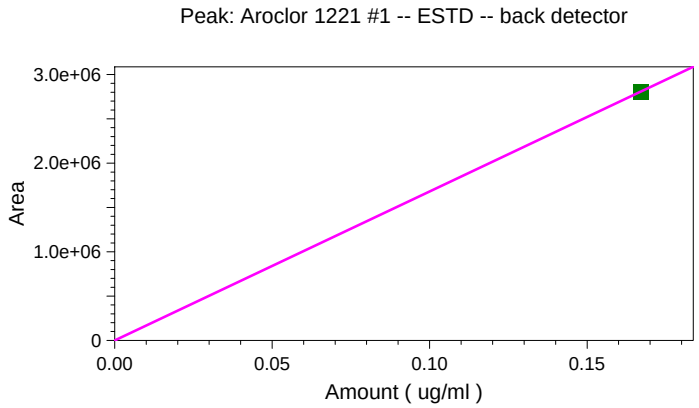
	Level 1
Amount	100
Area	13509458
RF	135094.58
Last Area	
Residual	-1.42109e-014
Rep StDev	
Rep %RSD	
Rep 1 Area	13509458
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\010.dat
Rep 1 Sample ID	PCB 1221 CF PP 3793
Rep 1 Calib. Time	May 07,2013 11:19:33

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1221.met
Print Time: May 07,2013 11:20:38
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1221 #1 (back detector)
Average RF: 1.68061e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.68061e+007



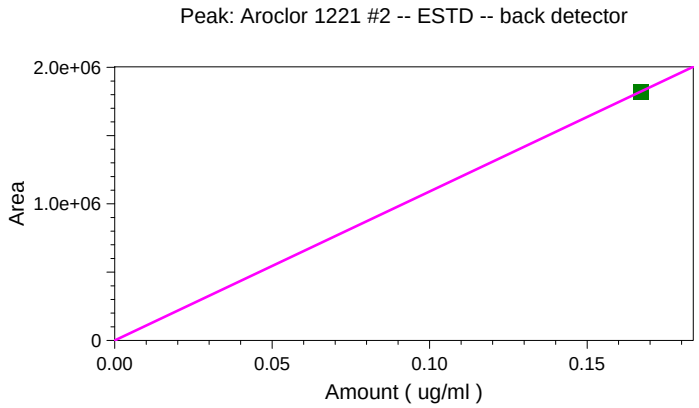
	Level 1
Amount	0.167
Area	2806626
RF	16806143.71
	25749
Last Area	
Residual	2.77556e-017
Rep StDev	
Rep %RSD	
Rep 1 Area	2806626
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\010.dat
Rep 1 Sample ID	PCB 1221 CF PP 3793
Rep 1 Calib. Time	May 07,2013 11:19:33

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1221.met
Print Time: May 07,2013 11:20:39
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1221 #2 (back detector)
Average RF: 1.09099e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.09099e+007



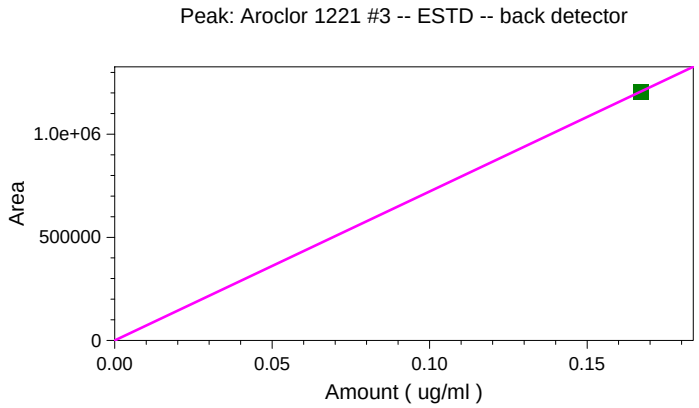
	Level 1
Amount	0.167
Area	1821955
RF	10909910.17
	96407
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	1821955
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\010.dat
Rep 1 Sample ID	PCB 1221 CF PP 3793
Rep 1 Calib. Time	May 07,2013 11:19:33

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1221.met
Print Time: May 07,2013 11:20:40
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1221 #3 (back detector)
Average RF: 7.22453e+006
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 7.22453e+006



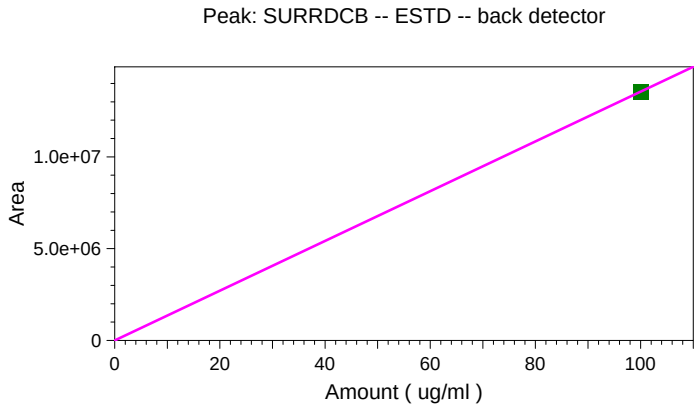
	Level 1
Amount	0.167
Area	1206496
RF	7224526.946
	10778
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	1206496
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\010.dat
Rep 1 Sample ID	PCB 1221 CF PP 3793
Rep 1 Calib. Time	May 07,2013 11:19:33

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1221.met
Print Time: May 07,2013 11:20:41
User: JJY
Instrument: Semi 7 (Offline)

SURRDCB (back detector)
Average RF: 135526.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 135526.



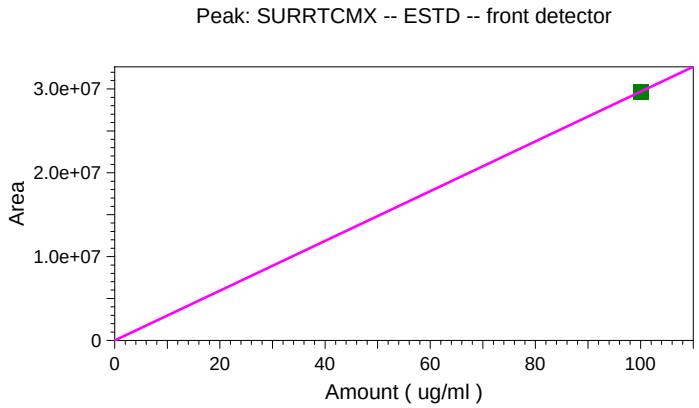
	Level 1
Amount	100
Area	13552646
RF	135526.46
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	13552646
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\010.dat
Rep 1 Sample ID	PCB 1221 CF PP 3793
Rep 1 Calib. Time	May 07,2013 11:19:33

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
Print Time: May 07,2013 11:39:26
User: JJY
Instrument: Semi 7 (Offline)

SURRTCMX (front detector)
Average RF: 296807.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 296807.



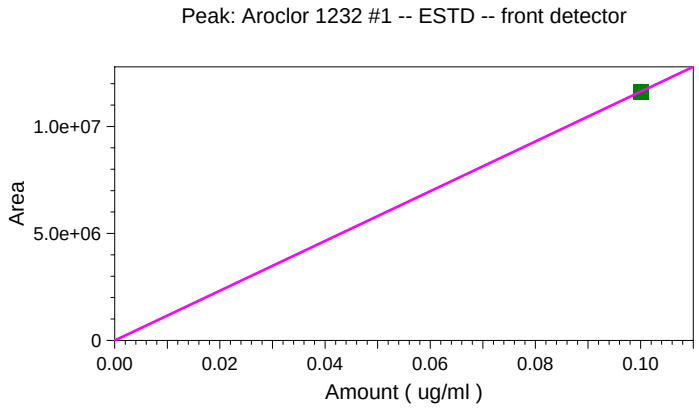
	Level 1
Amount	100
Area	29680700
RF	296807
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	29680700
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\011.dat
Rep 1 Sample ID	PCB 1232 CF PP 3798
Rep 1 Calib. Time	May 07,2013 11:38:59

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
Print Time: May 07,2013 11:39:39
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1232 #1 (front detector)
Average RF: 1.16278e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.16278e+008



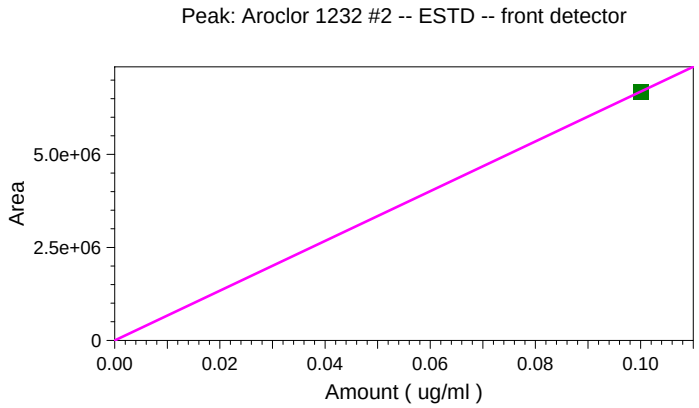
	Level 1
Amount	0.1
Area	11627754
RF	116277540
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	11627754
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\011.dat
Rep 1 Sample ID	PCB 1232 CF PP 3798
Rep 1 Calib. Time	May 07,2013 11:38:59

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
Print Time: May 07,2013 11:39:41
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1232 #2 (front detector)
Average RF: 6.68874e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 6.68874e+007



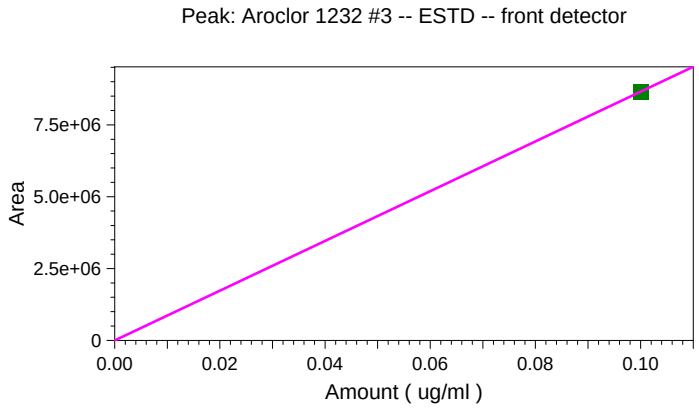
	Level 1
Amount	0.1
Area	6688743
RF	66887430
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	6688743
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\011.dat
Rep 1 Sample ID	PCB 1232 CF PP 3798
Rep 1 Calib. Time	May 07,2013 11:38:59

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
Print Time: May 07,2013 11:39:42
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1232 #3 (front detector)
Average RF: 8.65494e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 8.65494e+007



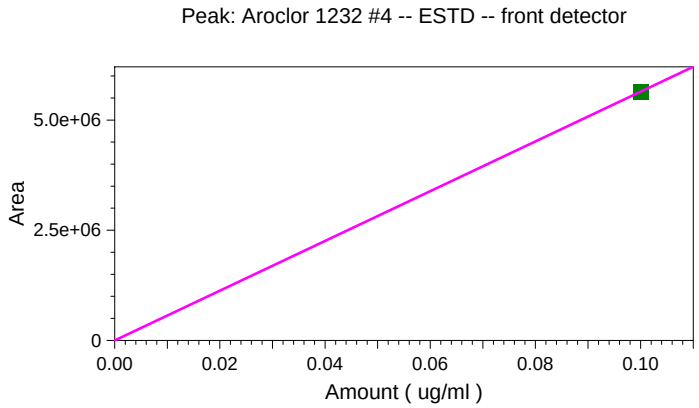
	Level 1
Amount	0.1
Area	8654942
RF	86549420
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	8654942
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\011.dat
Rep 1 Sample ID	PCB 1232 CF PP 3798
Rep 1 Calib. Time	May 07,2013 11:38:59

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
Print Time: May 07,2013 11:39:43
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1232 #4 (front detector)
Average RF: 5.64359e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 5.64359e+007



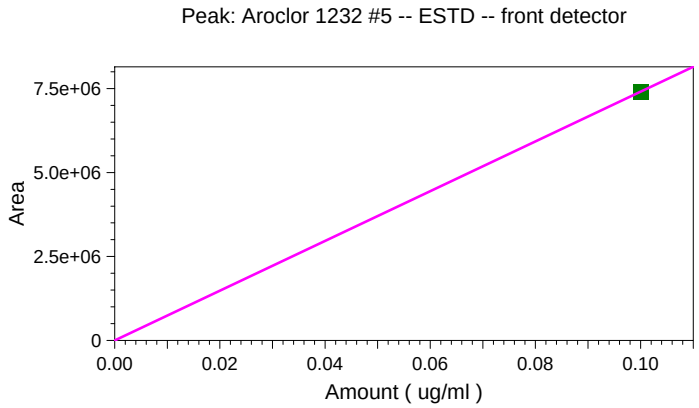
	Level 1
Amount	0.1
Area	5643586
RF	56435860
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	5643586
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\011.dat
Rep 1 Sample ID	PCB 1232 CF PP 3798
Rep 1 Calib. Time	May 07,2013 11:38:59

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
Print Time: May 07,2013 11:39:44
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1232 #5 (front detector)
Average RF: 7.40946e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 7.40946e+007



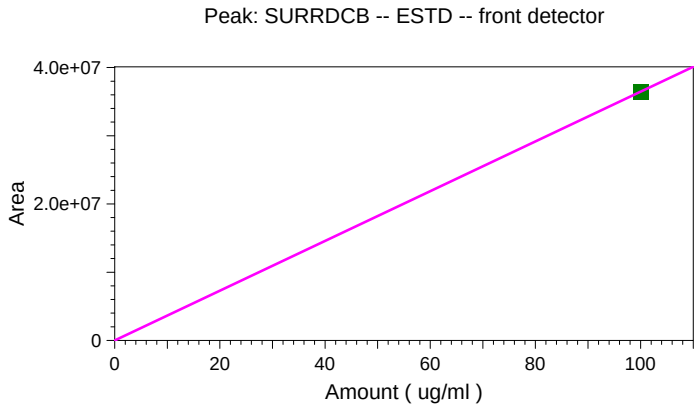
	Level 1
Amount	0.1
Area	7409460
RF	74094600
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	7409460
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\011.dat
Rep 1 Sample ID	PCB 1232 CF PP 3798
Rep 1 Calib. Time	May 07,2013 11:38:59

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
Print Time: May 07,2013 11:39:46
User: JJY
Instrument: Semi 7 (Offline)

SURRDCB (front detector)
Average RF: 364620.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 364620.



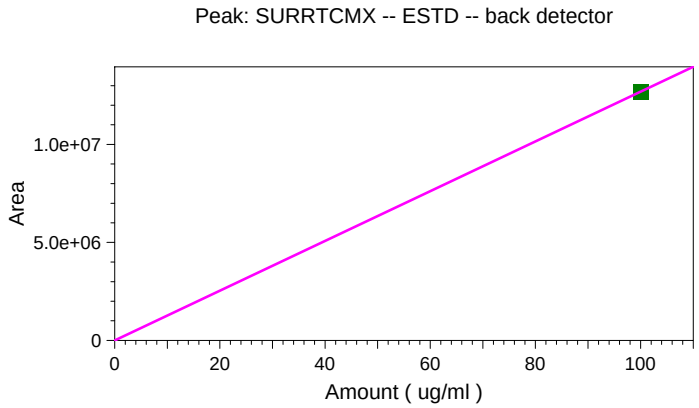
	Level 1
Amount	100
Area	36462018
RF	364620.18
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	36462018
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\011.dat
Rep 1 Sample ID	PCB 1232 CF PP 3798
Rep 1 Calib. Time	May 07,2013 11:38:59

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
Print Time: May 07,2013 11:39:54
User: JJY
Instrument: Semi 7 (Offline)

SURRTCMX (back detector)
Average RF: 126924.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 126924.



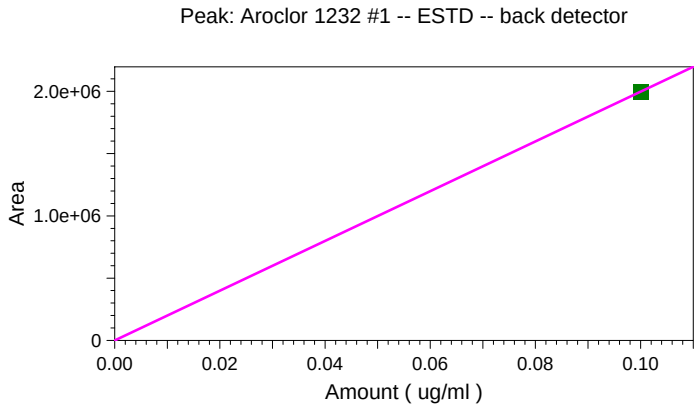
	Level 1
Amount	100
Area	12692412
RF	126924.12
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	12692412
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\011.dat
Rep 1 Sample ID	PCB 1232 CF PP 3798
Rep 1 Calib. Time	May 07,2013 11:38:59

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
Print Time: May 07,2013 11:39:57
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1232 #1 (back detector)
Average RF: 1.99727e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.99727e+007



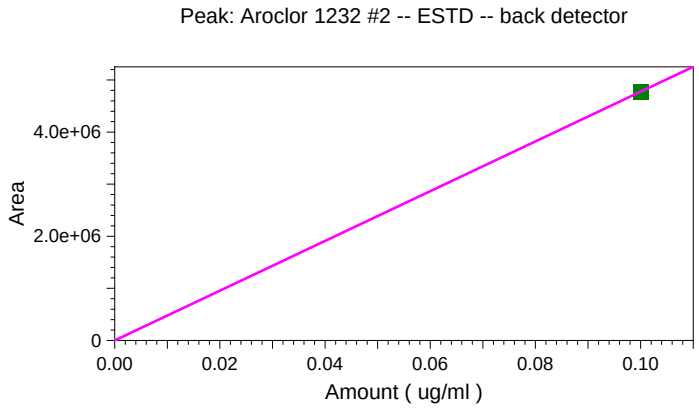
	Level 1
Amount	0.1
Area	1997272
RF	19972720
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	1997272
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\011.dat
Rep 1 Sample ID	PCB 1232 CF PP 3798
Rep 1 Calib. Time	May 07,2013 11:38:59

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
Print Time: May 07,2013 11:39:58
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1232 #2 (back detector)
Average RF: 4.77583e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 4.77583e+007



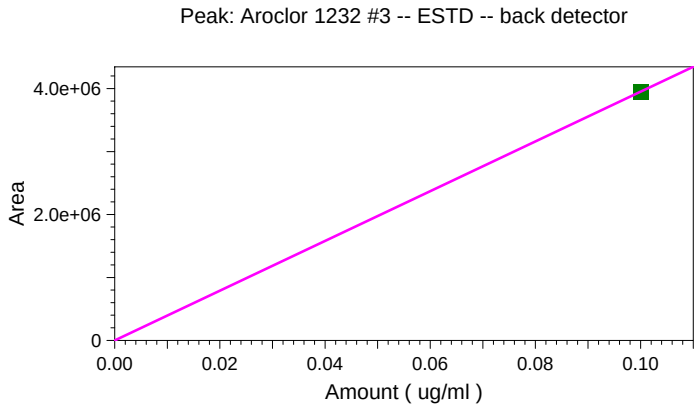
	Level 1
Amount	0.1
Area	4775829
RF	47758290
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	4775829
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\011.dat
Rep 1 Sample ID	PCB 1232 CF PP 3798
Rep 1 Calib. Time	May 07,2013 11:38:59

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
Print Time: May 07,2013 11:39:59
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1232 #3 (back detector)
Average RF: 3.95080e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 3.95080e+007



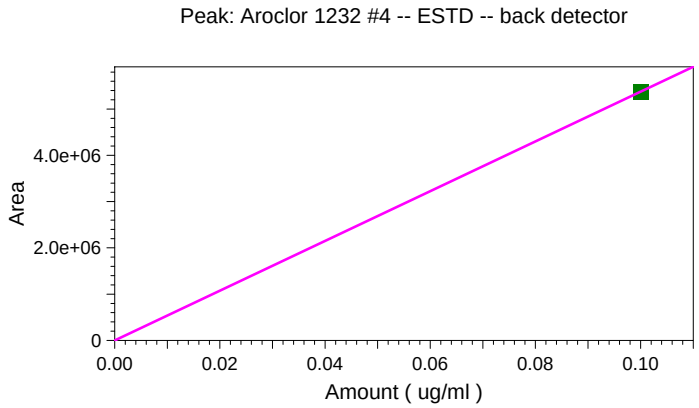
	Level 1
Amount	0.1
Area	3950799
RF	39507990
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	3950799
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\011.dat
Rep 1 Sample ID	PCB 1232 CF PP 3798
Rep 1 Calib. Time	May 07,2013 11:38:59

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
Print Time: May 07,2013 11:40:01
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1232 #4 (back detector)
Average RF: 5.37526e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 5.37526e+007



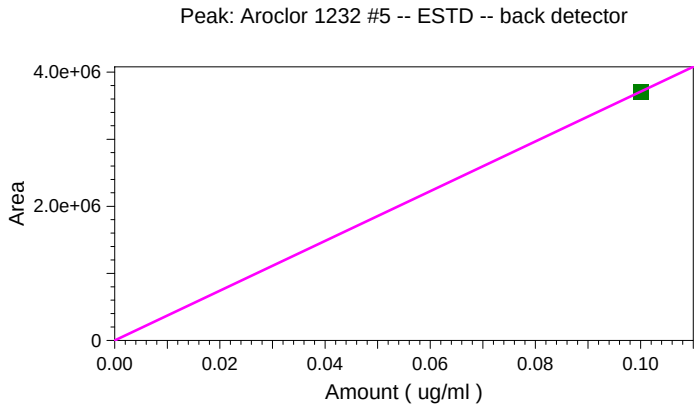
	Level 1
Amount	0.1
Area	5375256
RF	53752560
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	5375256
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\011.dat
Rep 1 Sample ID	PCB 1232 CF PP 3798
Rep 1 Calib. Time	May 07,2013 11:38:59

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
Print Time: May 07,2013 11:40:02
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1232 #5 (back detector)
Average RF: 3.70888e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 3.70888e+007



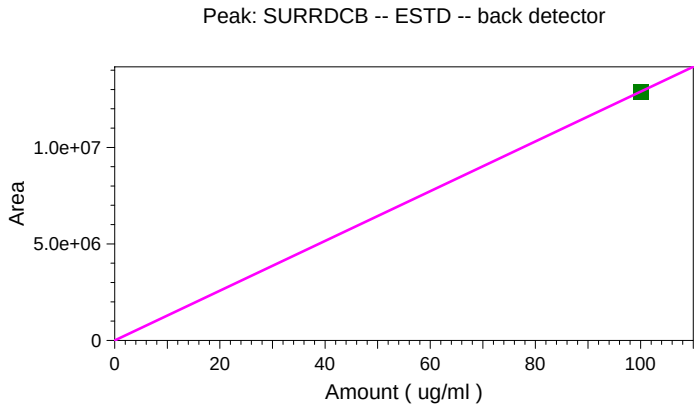
	Level 1
Amount	0.1
Area	3708884
RF	37088840
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	3708884
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\011.dat
Rep 1 Sample ID	PCB 1232 CF PP 3798
Rep 1 Calib. Time	May 07,2013 11:38:59

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
Print Time: May 07,2013 11:40:04
User: JJY
Instrument: Semi 7 (Offline)

SURRDCB (back detector)
Average RF: 128887.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 128887.



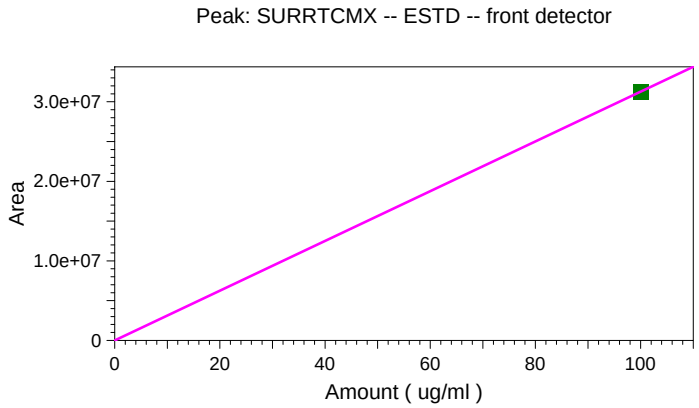
	Level 1
Amount	100
Area	12888656
RF	128886.56
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	12888656
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\011.dat
Rep 1 Sample ID	PCB 1232 CF PP 3798
Rep 1 Calib. Time	May 07,2013 11:38:59

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
Print Time: May 07,2013 12:42:24
User: JJY
Instrument: Semi 7 (Offline)

SURRTCMX (front detector)
Average RF: 312696.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 312696.



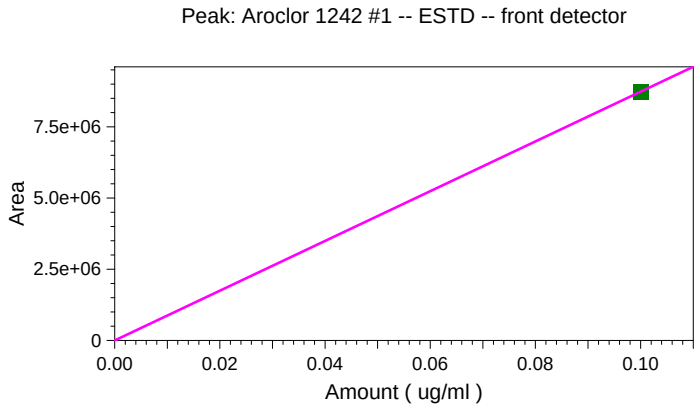
	Level 1
Amount	100
Area	31269626
RF	312696.26
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	31269626
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\012.dat
Rep 1 Sample ID	PCB 1242 CF PP 3803
Rep 1 Calib. Time	May 07,2013 12:38:00

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
Print Time: May 07,2013 12:42:27
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1242 #1 (front detector)
Average RF: 8.73516e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 8.73516e+007



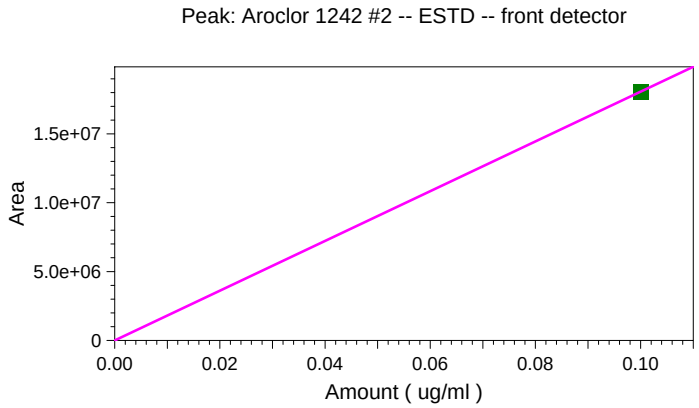
	Level 1
Amount	0.1
Area	8735157
RF	87351570
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	8735157
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\012.dat
Rep 1 Sample ID	PCB 1242 CF PP 3803
Rep 1 Calib. Time	May 07,2013 12:38:00

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
Print Time: May 07,2013 12:42:29
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1242 #2 (front detector)
Average RF: 1.80623e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.80623e+008



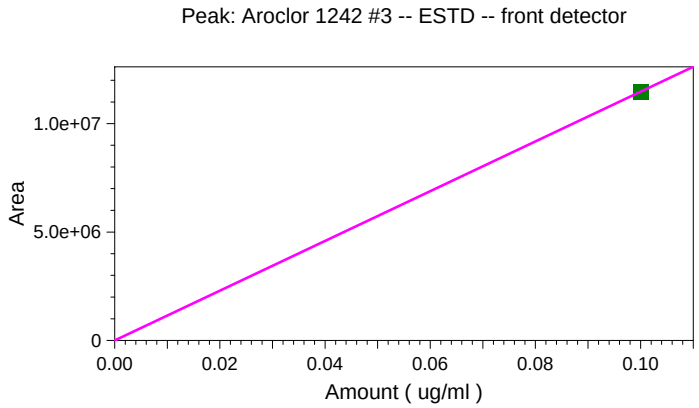
	Level 1
Amount	0.1
Area	18062287
RF	180622870
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	18062287
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\012.dat
Rep 1 Sample ID	PCB 1242 CF PP 3803
Rep 1 Calib. Time	May 07,2013 12:38:00

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
Print Time: May 07,2013 12:42:30
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1242 #3 (front detector)
Average RF: 1.14754e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.14754e+008



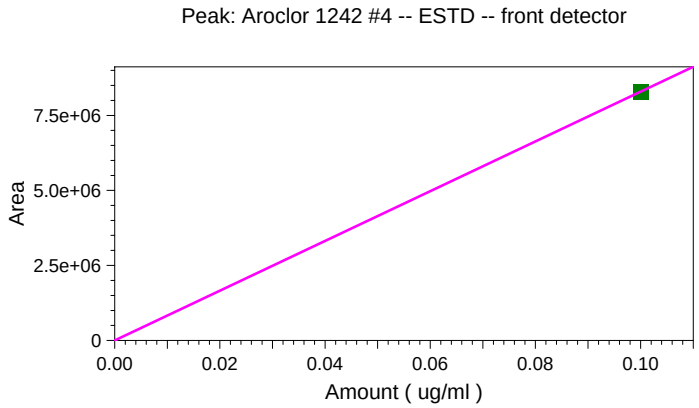
	Level 1
Amount	0.1
Area	11475366
RF	114753660
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	11475366
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\012.dat
Rep 1 Sample ID	PCB 1242 CF PP 3803
Rep 1 Calib. Time	May 07,2013 12:38:00

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
Print Time: May 07,2013 12:42:31
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1242 #4 (front detector)
Average RF: 8.29140e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 8.29140e+007



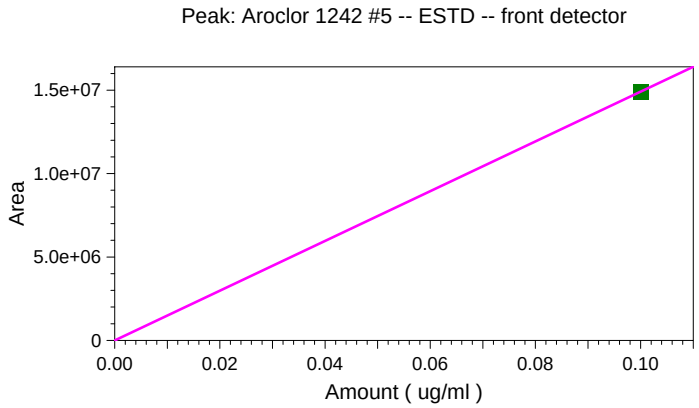
	Level 1
Amount	0.1
Area	8291403
RF	82914030
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	8291403
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\012.dat
Rep 1 Sample ID	PCB 1242 CF PP 3803
Rep 1 Calib. Time	May 07,2013 12:38:00

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
Print Time: May 07,2013 12:42:32
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1242 #5 (front detector)
Average RF: 1.49098e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.49098e+008



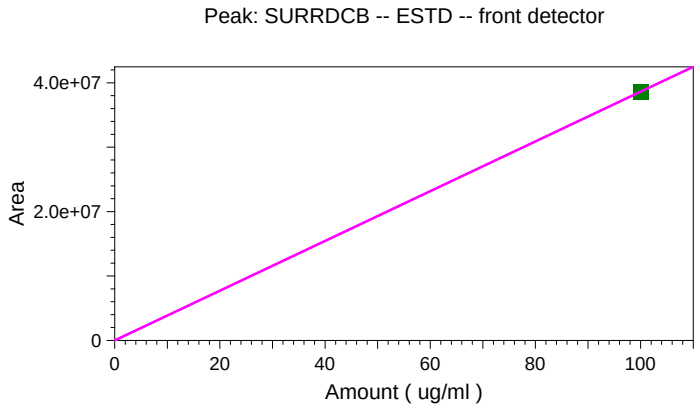
	Level 1
Amount	0.1
Area	14909847
RF	149098470
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	14909847
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\012.dat
Rep 1 Sample ID	PCB 1242 CF PP 3803
Rep 1 Calib. Time	May 07,2013 12:38:00

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
Print Time: May 07,2013 12:42:34
User: JJY
Instrument: Semi 7 (Offline)

SURRDCB (front detector)
Average RF: 386179.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 386179.



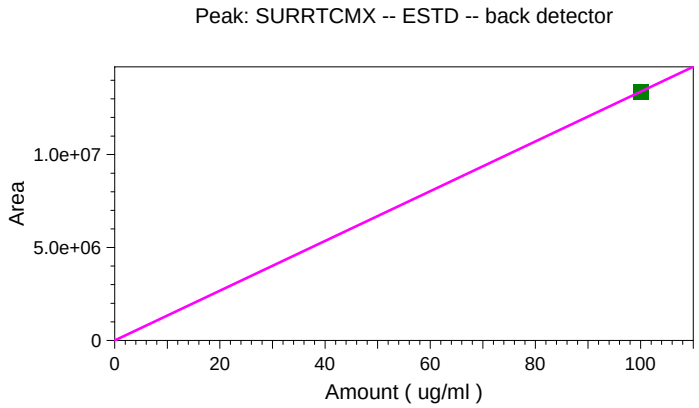
	Level 1
Amount	100
Area	38617870
RF	386178.7
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	38617870
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\012.dat
Rep 1 Sample ID	PCB 1242 CF PP 3803
Rep 1 Calib. Time	May 07,2013 12:38:00

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
Print Time: May 07,2013 12:42:38
User: JJY
Instrument: Semi 7 (Offline)

SURRTCMX (back detector)
Average RF: 133879.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 133879.



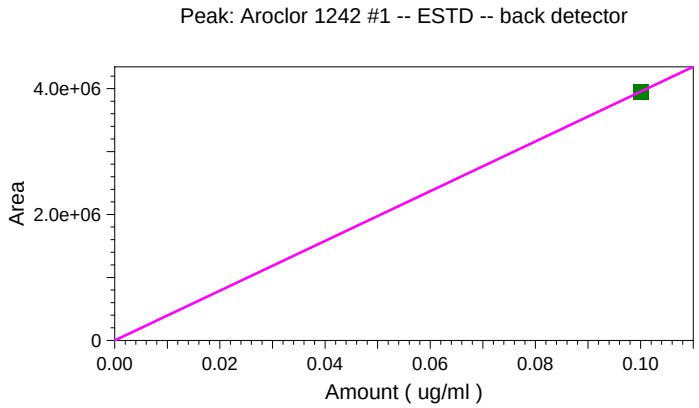
	Level 1
Amount	100
Area	13387928
RF	133879.28
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	13387928
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\012.dat
Rep 1 Sample ID	PCB 1242 CF PP 3803
Rep 1 Calib. Time	May 07,2013 12:38:00

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
Print Time: May 07,2013 12:42:41
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1242 #1 (back detector)
Average RF: 3.95169e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 3.95169e+007



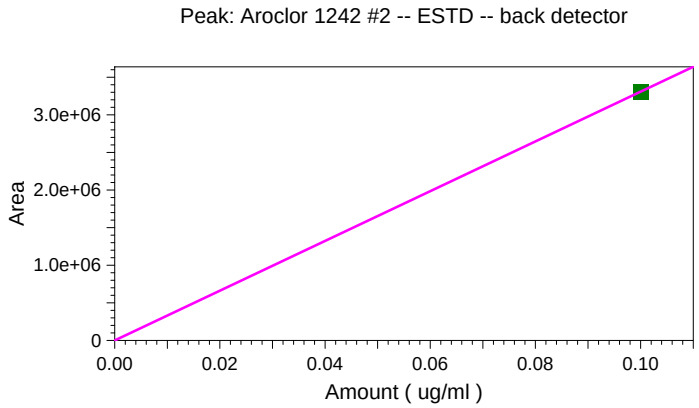
	Level 1
Amount	0.1
Area	3951691
RF	39516910
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	3951691
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\012.dat
Rep 1 Sample ID	PCB 1242 CF PP 3803
Rep 1 Calib. Time	May 07,2013 12:38:00

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
Print Time: May 07,2013 12:42:42
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1242 #2 (back detector)
Average RF: 3.30865e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 3.30865e+007



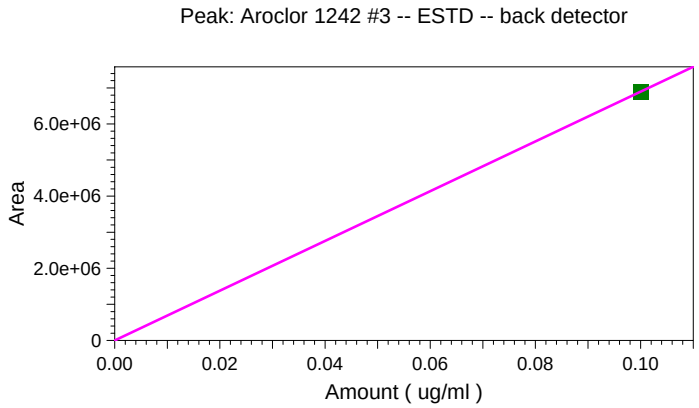
	Level 1
Amount	0.1
Area	3308651
RF	33086510
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	3308651
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\012.dat
Rep 1 Sample ID	PCB 1242 CF PP 3803
Rep 1 Calib. Time	May 07,2013 12:38:00

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
Print Time: May 07,2013 12:42:43
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1242 #3 (back detector)
Average RF: 6.89530e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 6.89530e+007



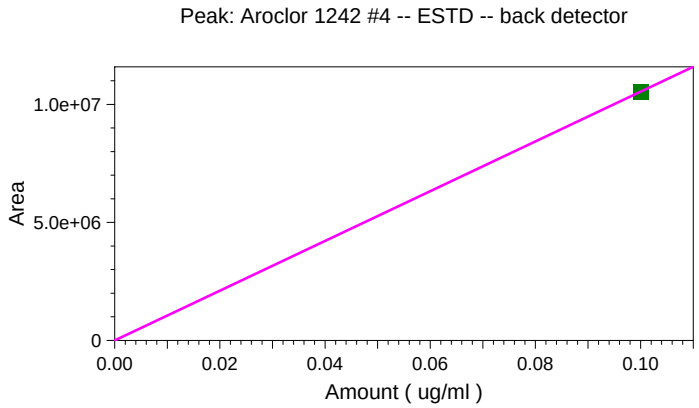
	Level 1
Amount	0.1
Area	6895303
RF	68953030
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	6895303
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\012.dat
Rep 1 Sample ID	PCB 1242 CF PP 3803
Rep 1 Calib. Time	May 07,2013 12:38:00

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
Print Time: May 07,2013 12:42:44
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1242 #4 (back detector)
Average RF: 1.05393e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.05393e+008



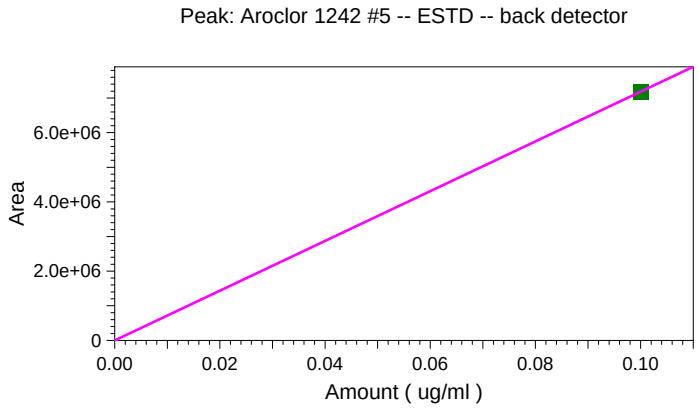
	Level 1
Amount	0.1
Area	10539263
RF	105392630
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	10539263
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\012.dat
Rep 1 Sample ID	PCB 1242 CF PP 3803
Rep 1 Calib. Time	May 07,2013 12:38:00

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
Print Time: May 07,2013 12:42:45
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1242 #5 (back detector)
Average RF: 7.18301e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 7.18301e+007



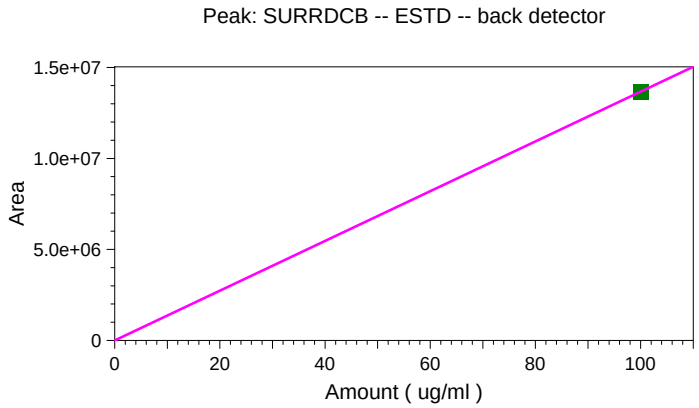
	Level 1
Amount	0.1
Area	7183010
RF	71830100
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	7183010
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\012.dat
Rep 1 Sample ID	PCB 1242 CF PP 3803
Rep 1 Calib. Time	May 07,2013 12:38:00

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
Print Time: May 07,2013 12:42:47
User: JJY
Instrument: Semi 7 (Offline)

SURRDCB (back detector)
Average RF: 136672.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 136672.



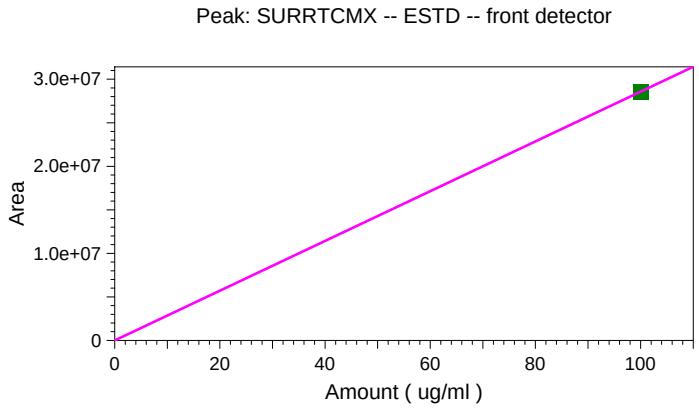
	Level 1
Amount	100
Area	13667159
RF	136671.59
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	13667159
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\012.dat
Rep 1 Sample ID	PCB 1242 CF PP 3803
Rep 1 Calib. Time	May 07,2013 12:38:00

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
Print Time: May 07,2013 12:44:29
User: JJY
Instrument: Semi 7 (Offline)

SURRTCMX (front detector)
Average RF: 285681.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 285681.



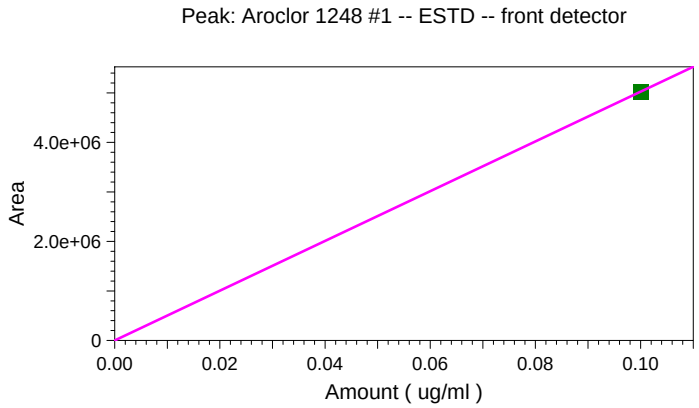
	Level 1
Amount	100
Area	28568056
RF	285680.56
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	28568056
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\013.dat
Rep 1 Sample ID	PCB 1248 CF PP 3808
Rep 1 Calib. Time	May 07,2013 12:39:26

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
Print Time: May 07,2013 12:44:32
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1248 #1 (front detector)
Average RF: 5.02554e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 5.02554e+007



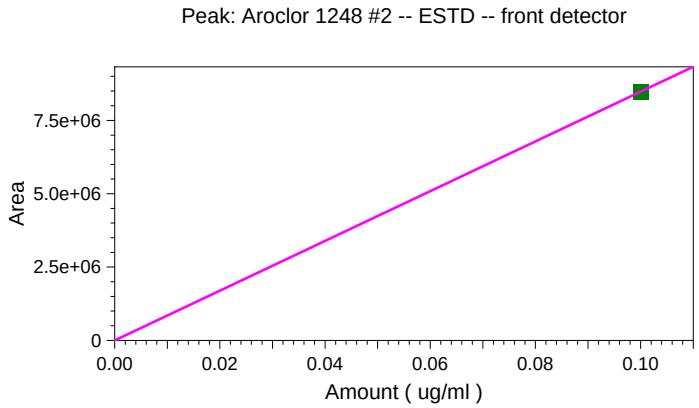
	Level 1
Amount	0.1
Area	5025539
RF	50255390
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	5025539
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\013.dat
Rep 1 Sample ID	PCB 1248 CF PP 3808
Rep 1 Calib. Time	May 07,2013 12:39:26

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
Print Time: May 07,2013 12:44:34
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1248 #2 (front detector)
Average RF: 8.47893e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 8.47893e+007



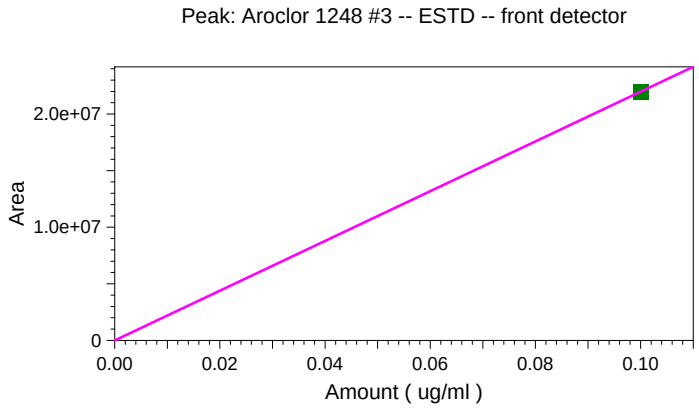
	Level 1
Amount	0.1
Area	8478928
RF	84789280
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	8478928
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\013.dat
Rep 1 Sample ID	PCB 1248 CF PP 3808
Rep 1 Calib. Time	May 07,2013 12:39:26

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
Print Time: May 07,2013 12:44:35
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1248 #3 (front detector)
Average RF: 2.19784e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 2.19784e+008



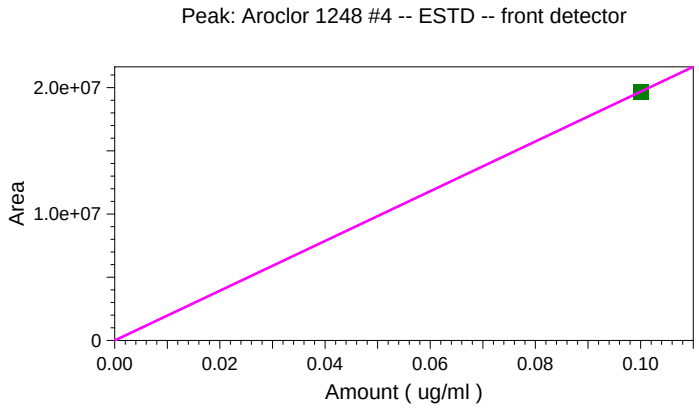
	Level 1
Amount	0.1
Area	21978383
RF	219783830
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	21978383
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\013.dat
Rep 1 Sample ID	PCB 1248 CF PP 3808
Rep 1 Calib. Time	May 07,2013 12:39:26

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
Print Time: May 07,2013 12:44:36
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1248 #4 (front detector)
Average RF: 1.96827e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.96827e+008



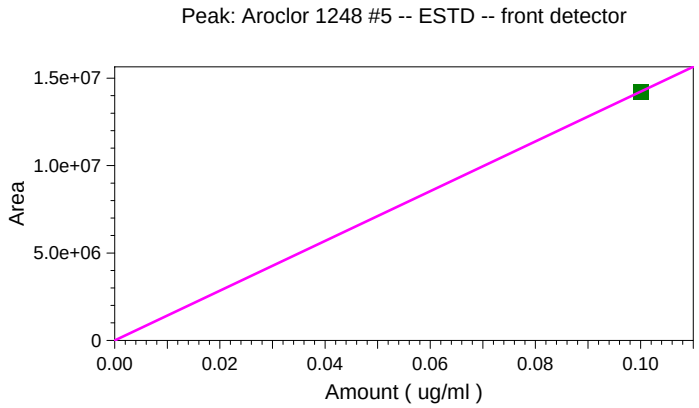
	Level 1
Amount	0.1
Area	19682711
RF	196827110
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	19682711
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\013.dat
Rep 1 Sample ID	PCB 1248 CF PP 3808
Rep 1 Calib. Time	May 07,2013 12:39:26

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
Print Time: May 07,2013 12:44:38
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1248 #5 (front detector)
Average RF: 1.42315e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.42315e+008



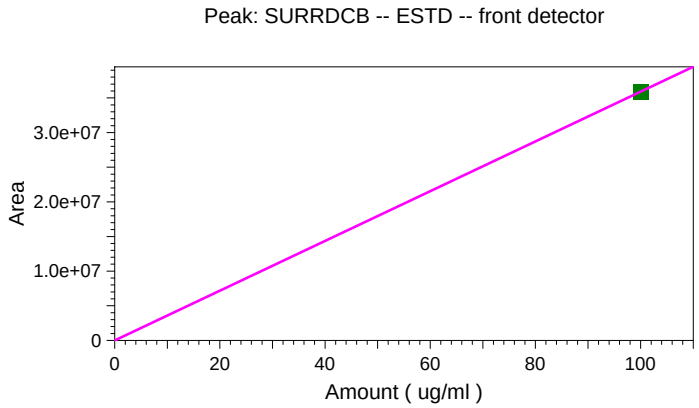
	Level 1
Amount	0.1
Area	14231454
RF	142314540
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	14231454
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\013.dat
Rep 1 Sample ID	PCB 1248 CF PP 3808
Rep 1 Calib. Time	May 07,2013 12:39:26

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
Print Time: May 07,2013 12:44:39
User: JJY
Instrument: Semi 7 (Offline)

SURRDCB (front detector)
Average RF: 359019.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 359019.



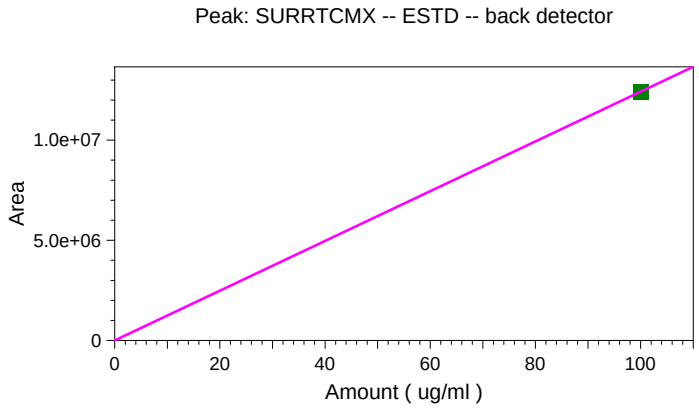
	Level 1
Amount	100
Area	35901885
RF	359018.85
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	35901885
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\013.dat
Rep 1 Sample ID	PCB 1248 CF PP 3808
Rep 1 Calib. Time	May 07,2013 12:39:26

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
Print Time: May 07,2013 12:44:43
User: JJY
Instrument: Semi 7 (Offline)

SURRTCMX (back detector)
Average RF: 124229.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 124229.



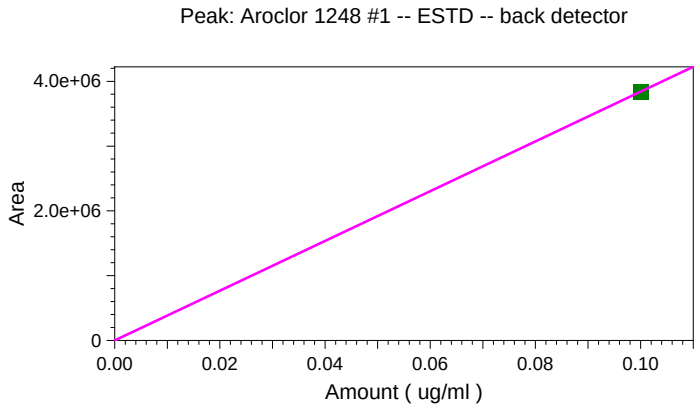
	Level 1
Amount	100
Area	12422941
RF	124229.41
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	12422941
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\013.dat
Rep 1 Sample ID	PCB 1248 CF PP 3808
Rep 1 Calib. Time	May 07,2013 12:39:26

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
Print Time: May 07,2013 12:44:45
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1248 #1 (back detector)
Average RF: 3.84018e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 3.84018e+007



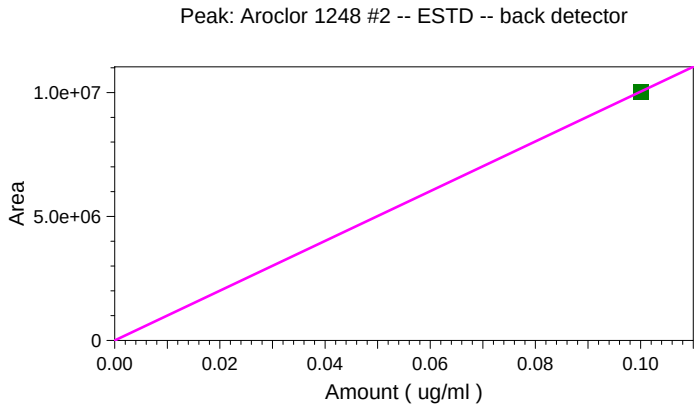
	Level 1
Amount	0.1
Area	3840180
RF	38401800
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	3840180
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\013.dat
Rep 1 Sample ID	PCB 1248 CF PP 3808
Rep 1 Calib. Time	May 07,2013 12:39:26

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
Print Time: May 07,2013 12:44:46
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1248 #2 (back detector)
Average RF: 1.00361e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.00361e+008



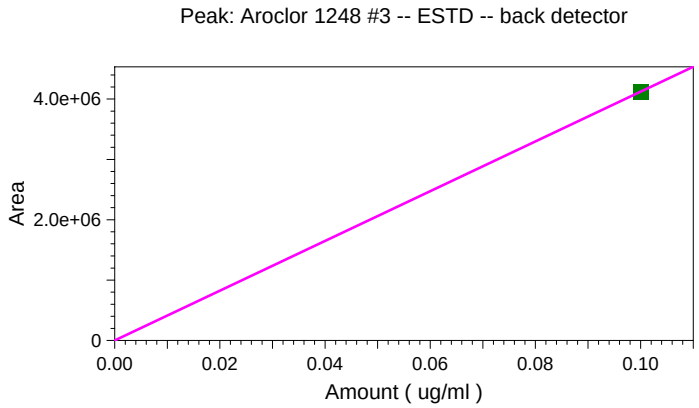
	Level 1
Amount	0.1
Area	10036079
RF	100360790
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	10036079
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\013.dat
Rep 1 Sample ID	PCB 1248 CF PP 3808
Rep 1 Calib. Time	May 07,2013 12:39:26

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
Print Time: May 07,2013 12:44:47
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1248 #3 (back detector)
Average RF: 4.12255e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 4.12255e+007



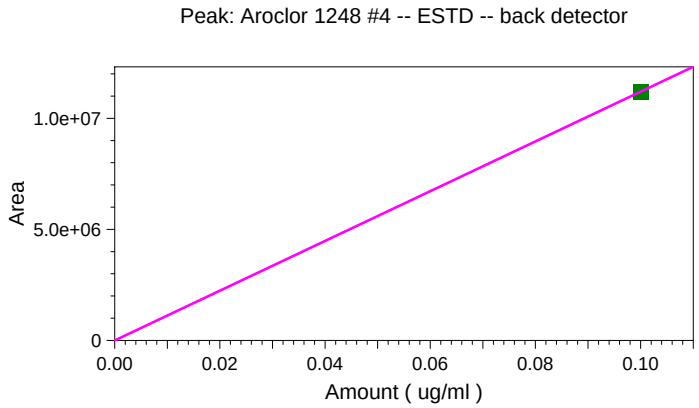
	Level 1
Amount	0.1
Area	4122551
RF	41225510
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	4122551
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\013.dat
Rep 1 Sample ID	PCB 1248 CF PP 3808
Rep 1 Calib. Time	May 07,2013 12:39:26

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
Print Time: May 07,2013 12:44:49
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1248 #4 (back detector)
Average RF: 1.12016e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.12016e+008



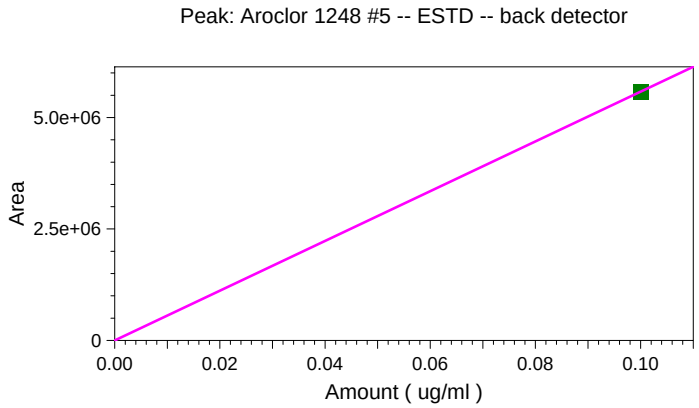
	Level 1
Amount	0.1
Area	11201634
RF	112016340
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	11201634
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\013.dat
Rep 1 Sample ID	PCB 1248 CF PP 3808
Rep 1 Calib. Time	May 07,2013 12:39:26

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
Print Time: May 07,2013 12:44:50
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1248 #5 (back detector)
Average RF: 5.58044e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 5.58044e+007



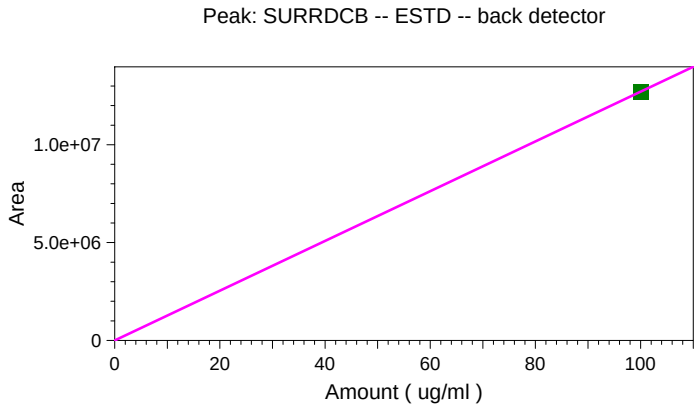
	Level 1
Amount	0.1
Area	5580444
RF	55804440
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	5580444
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\013.dat
Rep 1 Sample ID	PCB 1248 CF PP 3808
Rep 1 Calib. Time	May 07,2013 12:39:26

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
Print Time: May 07,2013 12:44:51
User: JJY
Instrument: Semi 7 (Offline)

SURRDCB (back detector)
Average RF: 127113.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 127113.



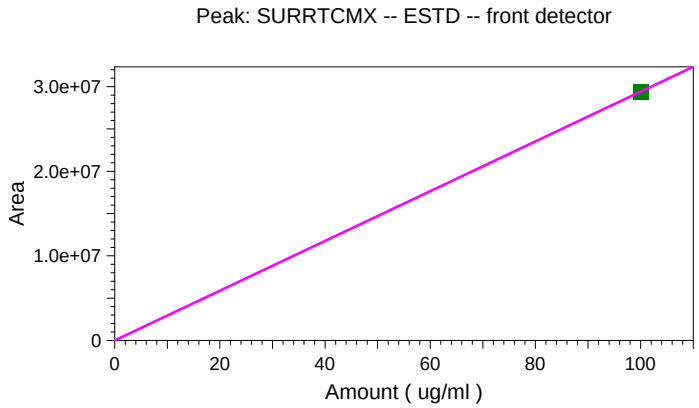
	Level 1
Amount	100
Area	12711271
RF	127112.71
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	12711271
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\013.dat
Rep 1 Sample ID	PCB 1248 CF PP 3808
Rep 1 Calib. Time	May 07,2013 12:39:26

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
Print Time: May 09,2013 08:48:53
User: JJY
Instrument: Semi 7

SURRTCMX (front detector)
Average RF: 294134.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 294134.



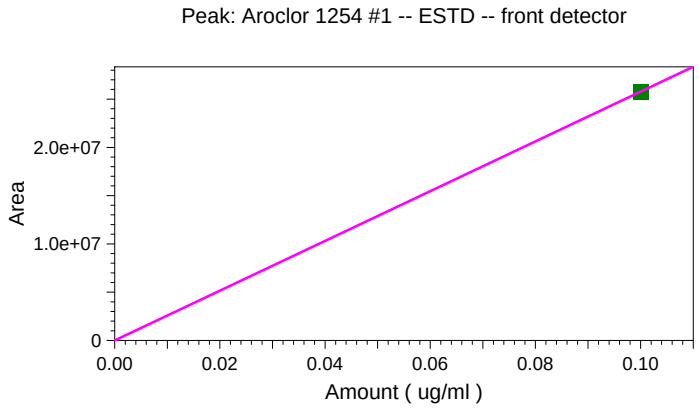
	Level 1
Amount	100
Area	29413395
RF	294133.95
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	29413395
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\014.dat
Rep 1 Sample ID	PCB 1254 CF PP 3751
Rep 1 Calib. Time	May 09,2013 08:02:30

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
Print Time: May 09,2013 08:49:04
User: JJY
Instrument: Semi 7

Aroclor 1254 #1 (front detector)
Average RF: 2.57709e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 2.57709e+008



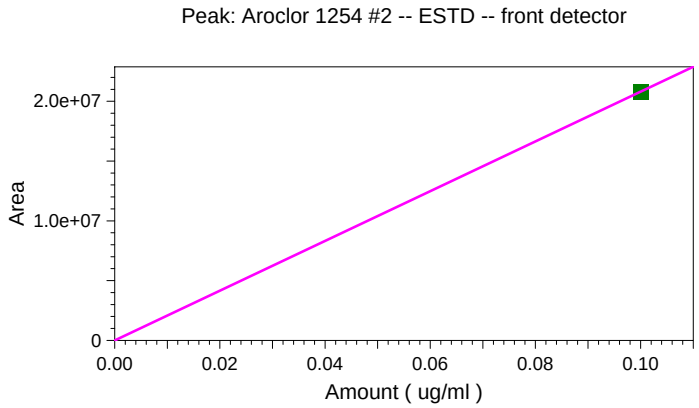
	Level 1
Amount	0.1
Area	25770935
RF	257709350
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	25770935
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\014.dat
Rep 1 Sample ID	PCB 1254 CF PP 3751
Rep 1 Calib. Time	May 09,2013 08:02:30

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
Print Time: May 09,2013 08:49:06
User: JJY
Instrument: Semi 7

Aroclor 1254 #2 (front detector)
Average RF: 2.08060e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 2.08060e+008



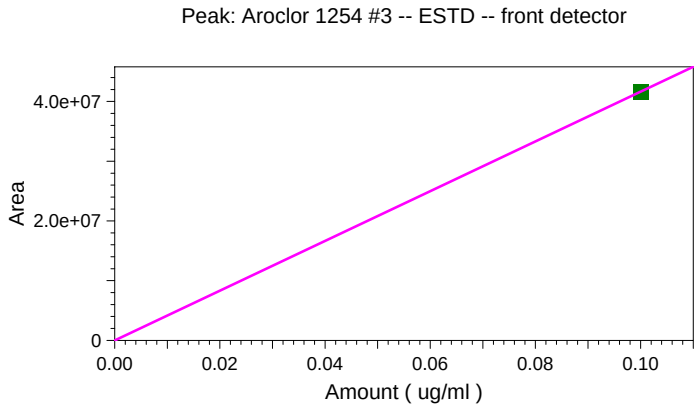
	Level 1
Amount	0.1
Area	20805971
RF	208059710
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	20805971
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\014.dat
Rep 1 Sample ID	PCB 1254 CF PP 3751
Rep 1 Calib. Time	May 09,2013 08:02:30

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
Print Time: May 09,2013 08:49:08
User: JJY
Instrument: Semi 7

Aroclor 1254 #3 (front detector)
Average RF: 4.16428e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 4.16428e+008



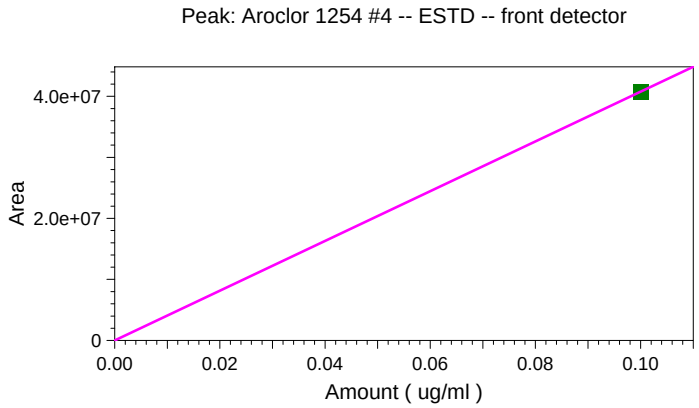
	Level 1
Amount	0.1
Area	41642766
RF	416427660
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	41642766
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\014.dat
Rep 1 Sample ID	PCB 1254 CF PP 3751
Rep 1 Calib. Time	May 09,2013 08:02:30

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
Print Time: May 09,2013 08:49:09
User: JJY
Instrument: Semi 7

Aroclor 1254 #4 (front detector)
Average RF: 4.07661e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 4.07661e+008



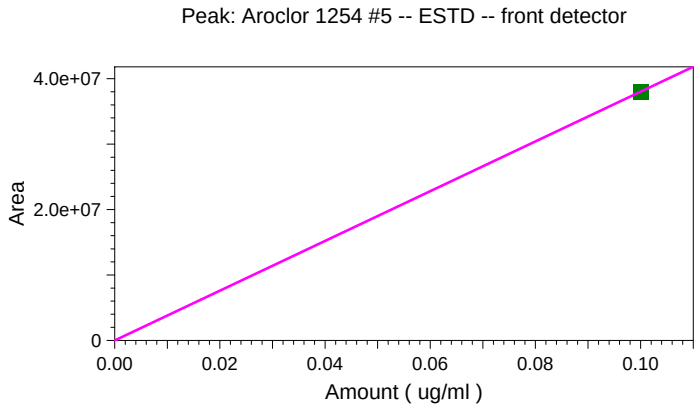
	Level 1
Amount	0.1
Area	40766059
RF	407660590
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	40766059
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\014.dat
Rep 1 Sample ID	PCB 1254 CF PP 3751
Rep 1 Calib. Time	May 09,2013 08:02:30

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
Print Time: May 09,2013 08:49:10
User: JJY
Instrument: Semi 7

Aroclor 1254 #5 (front detector)
Average RF: 3.80142e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 3.80142e+008



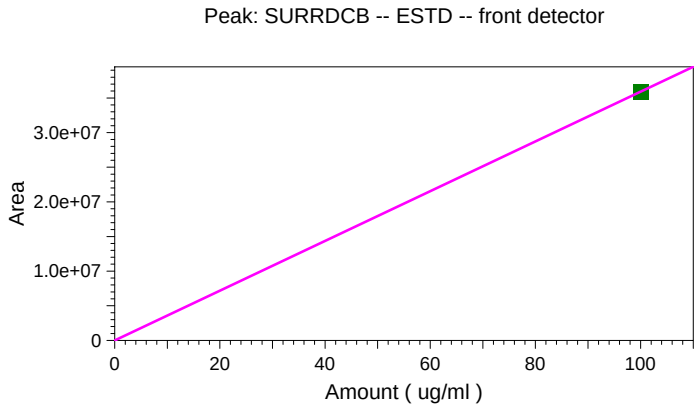
	Level 1
Amount	0.1
Area	38014198
RF	380141980
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	38014198
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\014.dat
Rep 1 Sample ID	PCB 1254 CF PP 3751
Rep 1 Calib. Time	May 09,2013 08:02:30

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
Print Time: May 09,2013 08:49:11
User: JJY
Instrument: Semi 7

SURRDCB (front detector)
Average RF: 359062.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 359062.



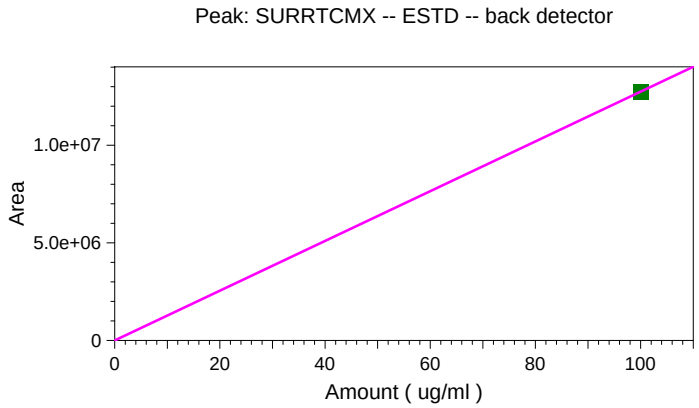
	Level 1
Amount	100
Area	35906181
RF	359061.81
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	35906181
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\014.dat
Rep 1 Sample ID	PCB 1254 CF PP 3751
Rep 1 Calib. Time	May 09,2013 08:02:30

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
Print Time: May 09,2013 08:49:17
User: JJY
Instrument: Semi 7

SURRTCMX (back detector)
Average RF: 127442.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 127442.



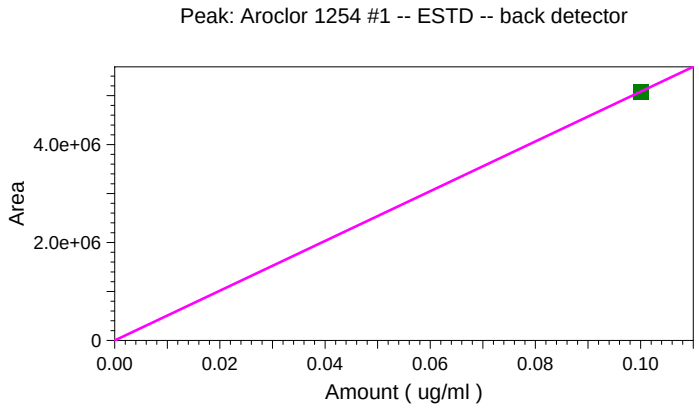
	Level 1
Amount	100
Area	12744212
RF	127442.12
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	12744212
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\014.dat
Rep 1 Sample ID	PCB 1254 CF PP 3751
Rep 1 Calib. Time	May 09,2013 08:02:30

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
Print Time: May 09,2013 08:49:19
User: JJY
Instrument: Semi 7

Aroclor 1254 #1 (back detector)
Average RF: 5.08088e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 5.08088e+007



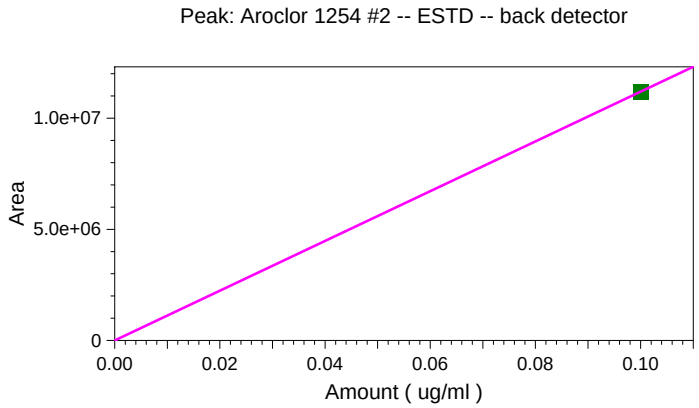
	Level 1
Amount	0.1
Area	5080876
RF	50808760
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	5080876
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\014.dat
Rep 1 Sample ID	PCB 1254 CF PP 3751
Rep 1 Calib. Time	May 09,2013 08:02:30

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
Print Time: May 09,2013 08:49:21
User: JJY
Instrument: Semi 7

Aroclor 1254 #2 (back detector)
Average RF: 1.11961e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.11961e+008



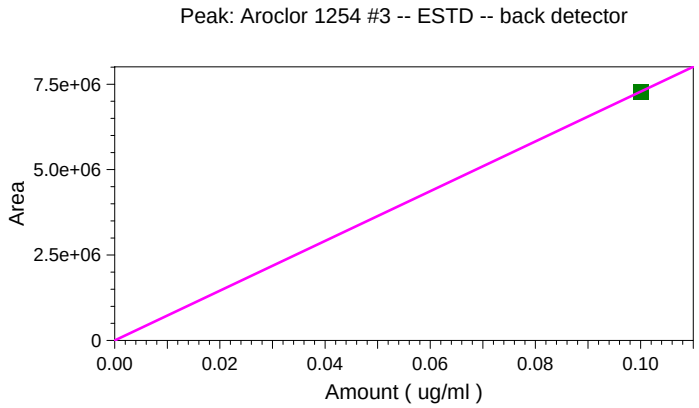
	Level 1
Amount	0.1
Area	11196071
RF	111960710
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	11196071
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\014.dat
Rep 1 Sample ID	PCB 1254 CF PP 3751
Rep 1 Calib. Time	May 09,2013 08:02:30

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
Print Time: May 09,2013 08:49:22
User: JJY
Instrument: Semi 7

Aroclor 1254 #3 (back detector)
Average RF: 7.28301e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 7.28301e+007



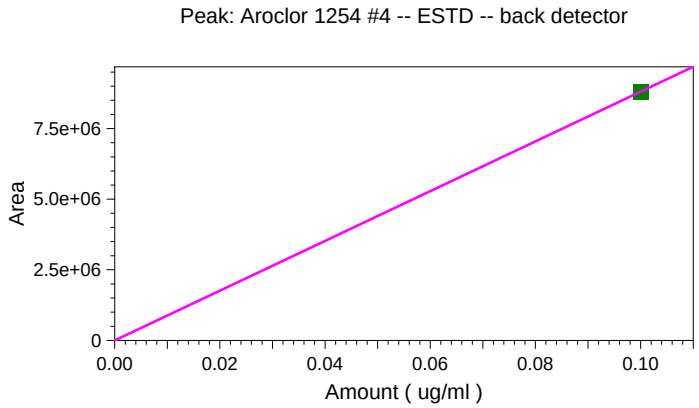
	Level 1
Amount	0.1
Area	7283009
RF	72830090
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	7283009
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\014.dat
Rep 1 Sample ID	PCB 1254 CF PP 3751
Rep 1 Calib. Time	May 09,2013 08:02:30

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
Print Time: May 09,2013 08:49:23
User: JJY
Instrument: Semi 7

Aroclor 1254 #4 (back detector)
Average RF: 8.80729e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 8.80729e+007



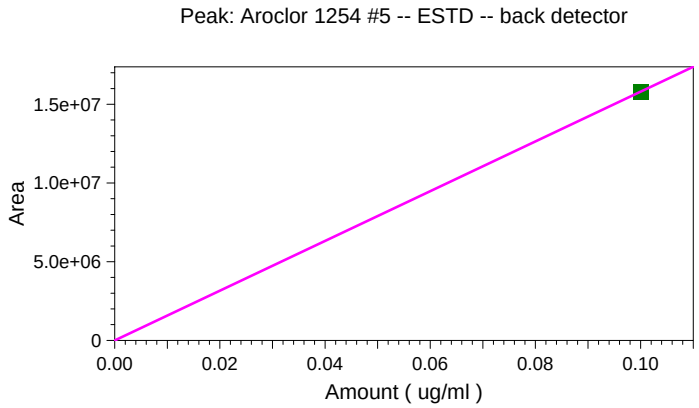
	Level 1
Amount	0.1
Area	8807286
RF	88072860
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	8807286
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\014.dat
Rep 1 Sample ID	PCB 1254 CF PP 3751
Rep 1 Calib. Time	May 09,2013 08:02:30

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
Print Time: May 09,2013 08:49:24
User: JJY
Instrument: Semi 7

Aroclor 1254 #5 (back detector)
Average RF: 1.57988e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.57988e+008



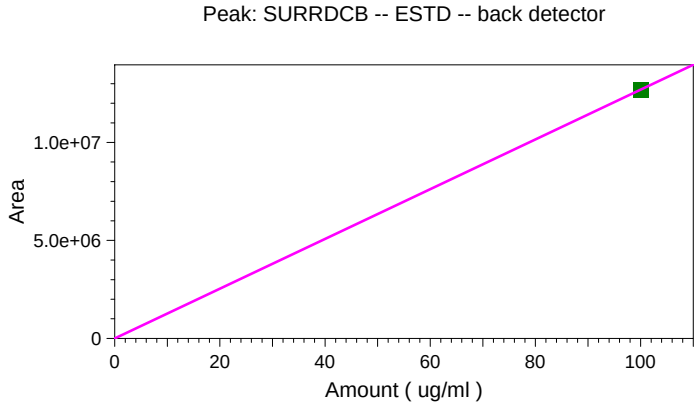
	Level 1
Amount	0.1
Area	15798816
RF	157988160
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	15798816
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\014.dat
Rep 1 Sample ID	PCB 1254 CF PP 3751
Rep 1 Calib. Time	May 09,2013 08:02:30

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
Print Time: May 09,2013 08:49:25
User: JJY
Instrument: Semi 7

SURRDCB (back detector)
Average RF: 126942.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 126942.



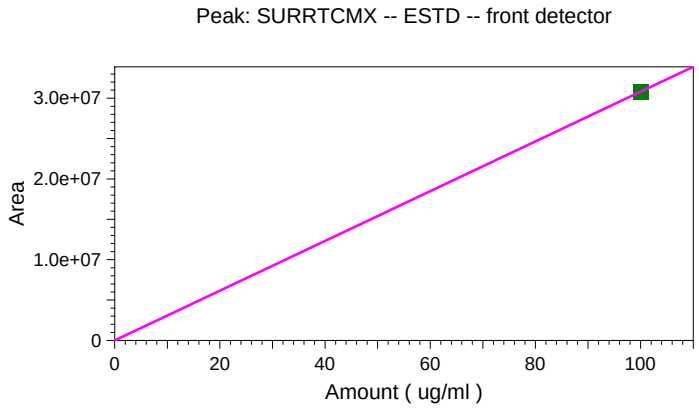
	Level 1
Amount	100
Area	12694214
RF	126942.14
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	12694214
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\014.dat
Rep 1 Sample ID	PCB 1254 CF PP 3751
Rep 1 Calib. Time	May 09,2013 08:02:30

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
Print Time: May 07,2013 12:58:07
User: JJY
Instrument: Semi 7 (Offline)

SURRTCMX (front detector)
Average RF: 308088.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 308088.



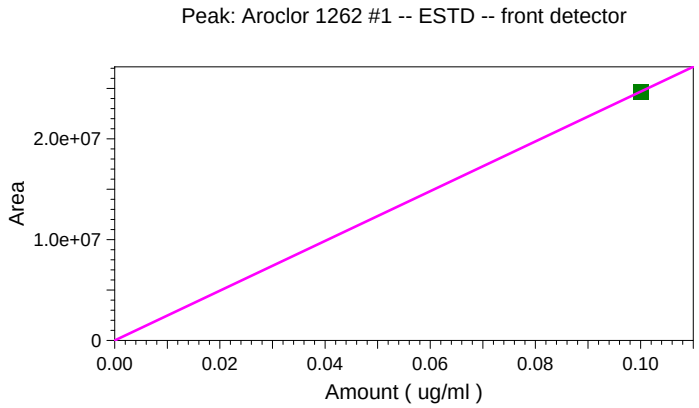
	Level 1
Amount	100
Area	30808797
RF	308087.97
Last Area	
Residual	-1.42109e-014
Rep StDev	
Rep %RSD	
Rep 1 Area	30808797
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\015.dat
Rep 1 Sample ID	PCB 1262 CF PP 3813
Rep 1 Calib. Time	May 07,2013 12:57:28

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
Print Time: May 07,2013 12:58:10
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1262 #1 (front detector)
Average RF: 2.46833e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 2.46833e+008



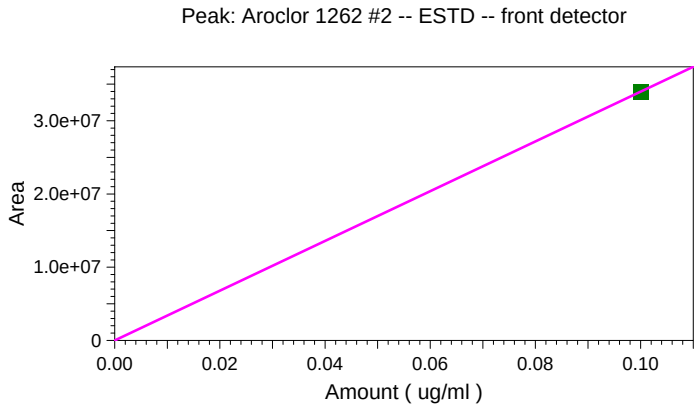
	Level 1
Amount	0.1
Area	24683257
RF	246832570
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	24683257
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\015.dat
Rep 1 Sample ID	PCB 1262 CF PP 3813
Rep 1 Calib. Time	May 07,2013 12:57:28

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
Print Time: May 07,2013 12:58:11
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1262 #2 (front detector)
Average RF: 3.39714e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 3.39714e+008



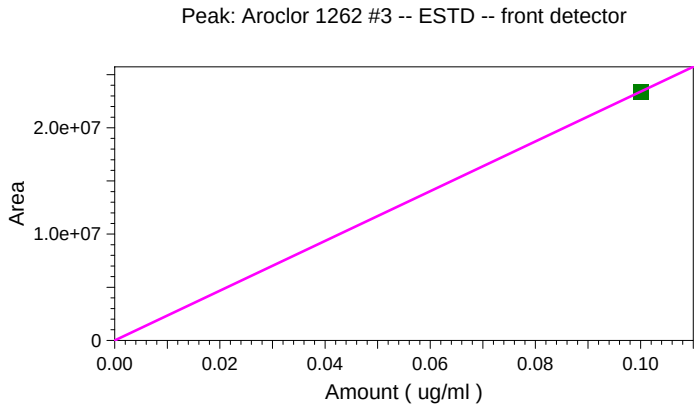
	Level 1
Amount	0.1
Area	33971380
RF	339713800
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	33971380
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\015.dat
Rep 1 Sample ID	PCB 1262 CF PP 3813
Rep 1 Calib. Time	May 07,2013 12:57:28

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
Print Time: May 07,2013 12:58:12
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1262 #3 (front detector)
Average RF: 2.34007e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 2.34007e+008



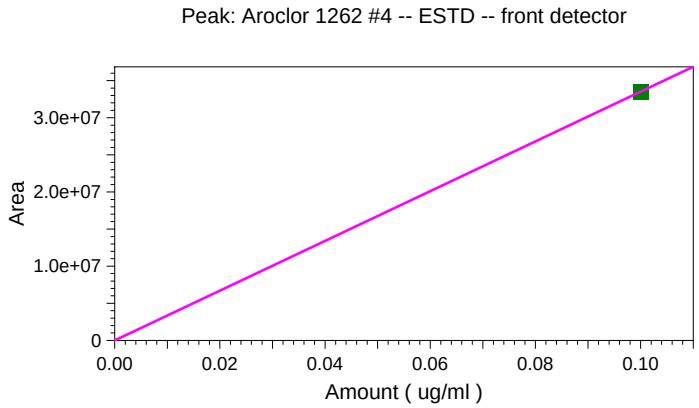
	Level 1
Amount	0.1
Area	23400695
RF	234006950
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	23400695
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\015.dat
Rep 1 Sample ID	PCB 1262 CF PP 3813
Rep 1 Calib. Time	May 07,2013 12:57:28

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
Print Time: May 07,2013 12:58:14
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1262 #4 (front detector)
Average RF: 3.35147e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 3.35147e+008



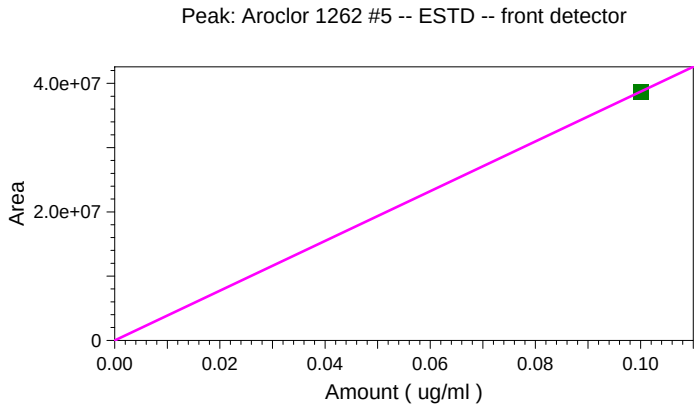
	Level 1
Amount	0.1
Area	33514650
RF	335146500
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	33514650
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\015.dat
Rep 1 Sample ID	PCB 1262 CF PP 3813
Rep 1 Calib. Time	May 07,2013 12:57:28

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
Print Time: May 07,2013 12:58:15
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1262 #5 (front detector)
Average RF: 3.87110e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 3.87110e+008



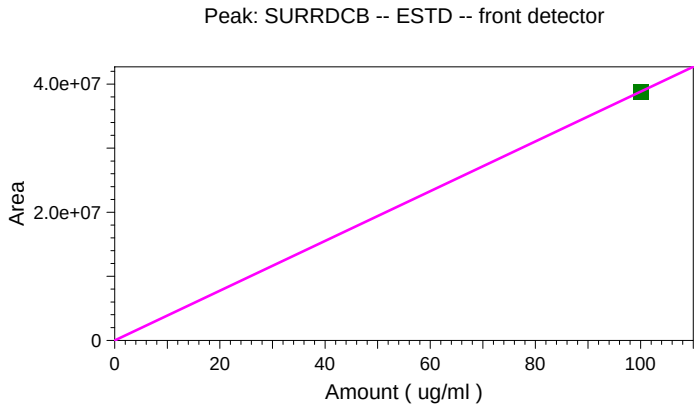
	Level 1
Amount	0.1
Area	38711030
RF	387110300
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	38711030
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\015.dat
Rep 1 Sample ID	PCB 1262 CF PP 3813
Rep 1 Calib. Time	May 07,2013 12:57:28

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
Print Time: May 07,2013 12:58:16
User: JJY
Instrument: Semi 7 (Offline)

SURRDCB (front detector)
Average RF: 388179.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 388179.



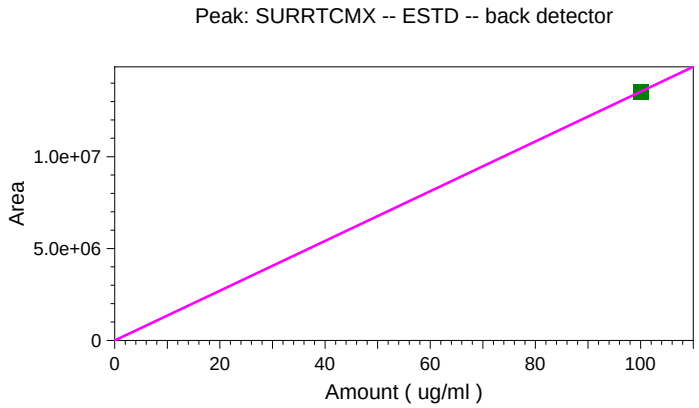
	Level 1
Amount	100
Area	38817876
RF	388178.76
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	38817876
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\015.dat
Rep 1 Sample ID	PCB 1262 CF PP 3813
Rep 1 Calib. Time	May 07,2013 12:57:28

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
Print Time: May 07,2013 12:58:22
User: JJY
Instrument: Semi 7 (Offline)

SURRTCMX (back detector)
Average RF: 135376.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 135376.



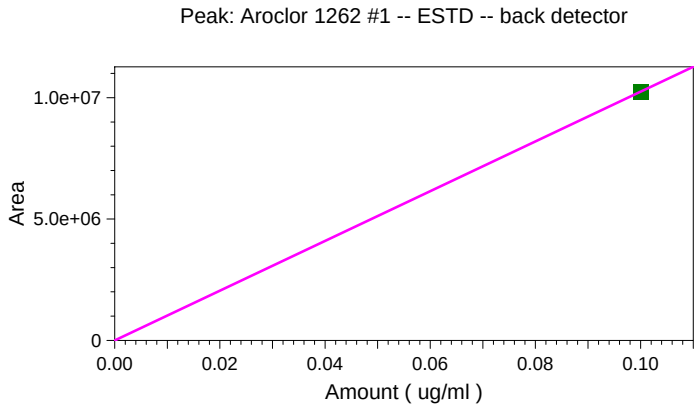
	Level 1
Amount	100
Area	13537639
RF	135376.39
Last Area	
Residual	1.42109e-014
Rep StDev	
Rep %RSD	
Rep 1 Area	13537639
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\015.dat
Rep 1 Sample ID	PCB 1262 CF PP 3813
Rep 1 Calib. Time	May 07,2013 12:57:28

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
Print Time: May 07,2013 12:58:24
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1262 #1 (back detector)
Average RF: 1.02489e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.02489e+008



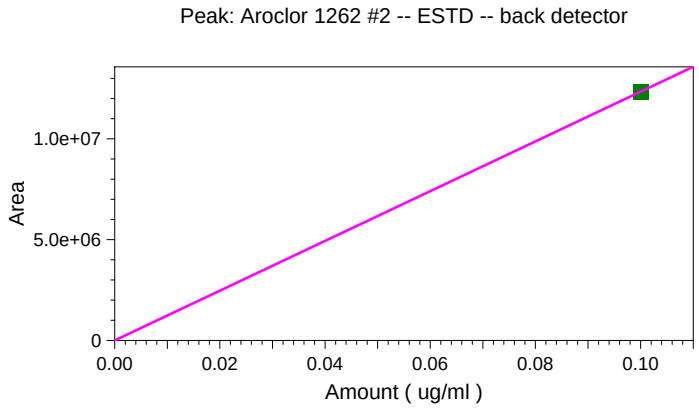
	Level 1
Amount	0.1
Area	10248922
RF	102489220
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	10248922
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\015.dat
Rep 1 Sample ID	PCB 1262 CF PP 3813
Rep 1 Calib. Time	May 07,2013 12:57:28

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
Print Time: May 07,2013 12:58:25
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1262 #2 (back detector)
Average RF: 1.23382e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.23382e+008



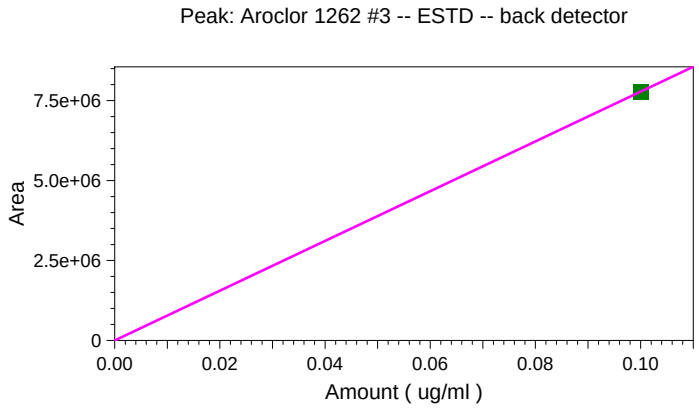
	Level 1
Amount	0.1
Area	12338170
RF	123381700
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	12338170
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\015.dat
Rep 1 Sample ID	PCB 1262 CF PP 3813
Rep 1 Calib. Time	May 07,2013 12:57:28

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
Print Time: May 07,2013 12:58:27
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1262 #3 (back detector)
Average RF: 7.78042e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 7.78042e+007



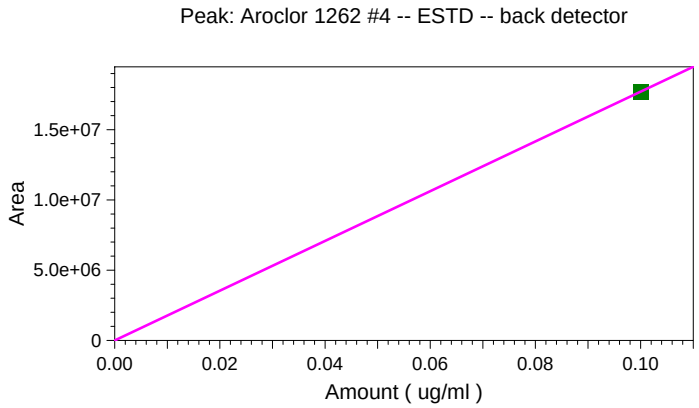
	Level 1
Amount	0.1
Area	7780416
RF	77804160
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	7780416
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\015.dat
Rep 1 Sample ID	PCB 1262 CF PP 3813
Rep 1 Calib. Time	May 07,2013 12:57:28

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
Print Time: May 07,2013 12:58:28
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1262 #4 (back detector)
Average RF: 1.77062e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.77062e+008



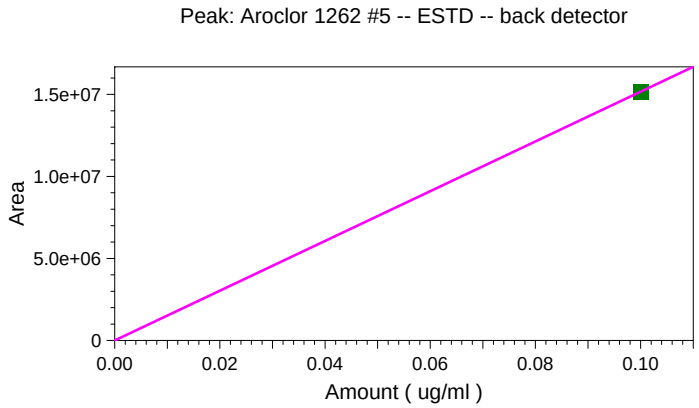
	Level 1
Amount	0.1
Area	17706184
RF	177061840
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	17706184
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\015.dat
Rep 1 Sample ID	PCB 1262 CF PP 3813
Rep 1 Calib. Time	May 07,2013 12:57:28

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
Print Time: May 07,2013 12:58:29
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1262 #5 (back detector)
Average RF: 1.51688e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.51688e+008



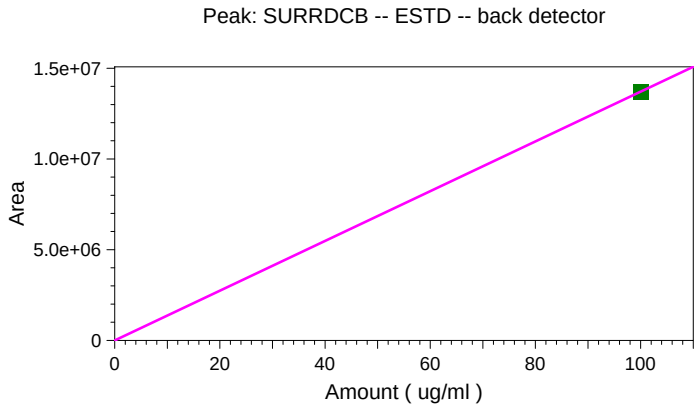
	Level 1
Amount	0.1
Area	15168819
RF	151688190
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	15168819
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\015.dat
Rep 1 Sample ID	PCB 1262 CF PP 3813
Rep 1 Calib. Time	May 07,2013 12:57:28

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
Print Time: May 07,2013 12:58:30
User: JJY
Instrument: Semi 7 (Offline)

SURRDCB (back detector)
Average RF: 137096.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 137096.



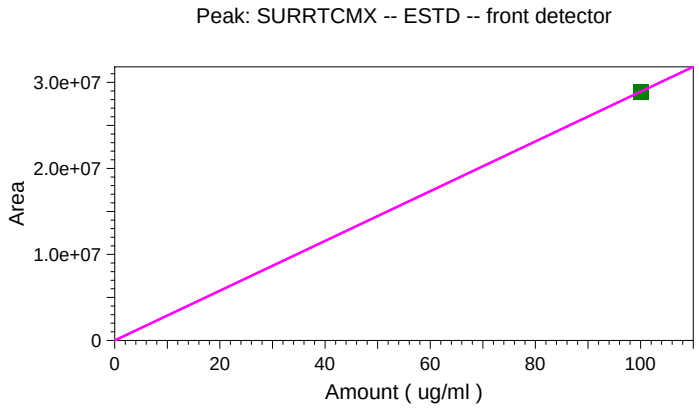
	Level 1
Amount	100
Area	13709602
RF	137096.02
Last Area	
Residual	-1.42109e-014
Rep StDev	
Rep %RSD	
Rep 1 Area	13709602
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\015.dat
Rep 1 Sample ID	PCB 1262 CF PP 3813
Rep 1 Calib. Time	May 07,2013 12:57:28

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
Print Time: May 07,2013 13:17:52
User: JJY
Instrument: Semi 7 (Offline)

SURRTCMX (front detector)
Average RF: 289236.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 289236.



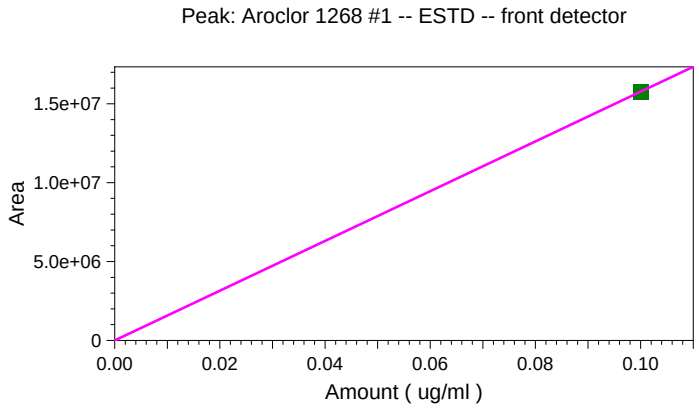
	Level 1
Amount	100
Area	28923643
RF	289236.43
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	28923643
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\016.dat
Rep 1 Sample ID	PCB 1268 CF PP 3762
Rep 1 Calib. Time	May 07,2013 13:17:17

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
Print Time: May 07,2013 13:17:55
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1268 #1 (front detector)
Average RF: 1.57708e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.57708e+008



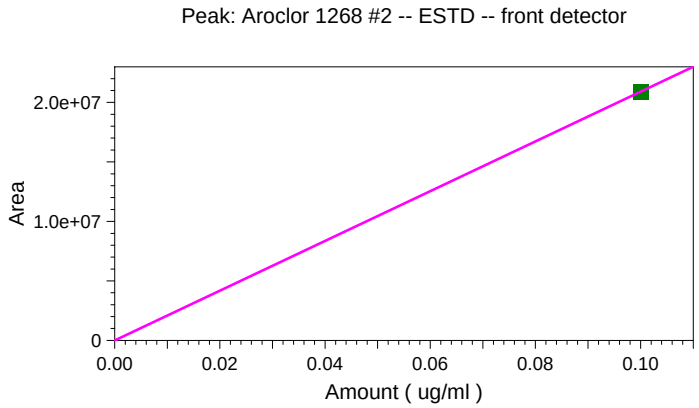
	Level 1
Amount	0.1
Area	15770772
RF	157707720
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	15770772
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\016.dat
Rep 1 Sample ID	PCB 1268 CF PP 3762
Rep 1 Calib. Time	May 07,2013 13:17:17

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
Print Time: May 07,2013 13:17:57
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1268 #2 (front detector)
Average RF: 2.09045e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 2.09045e+008



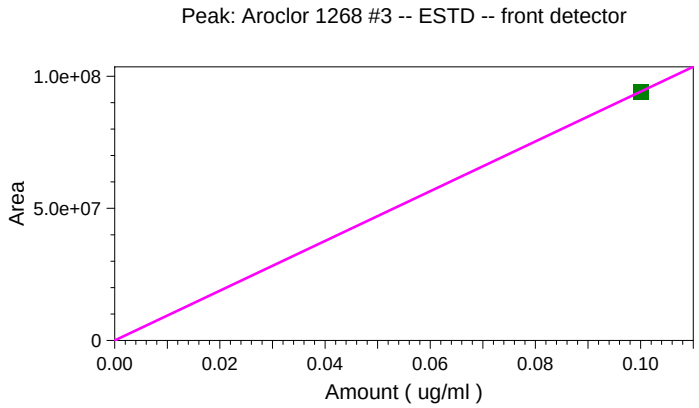
	Level 1
Amount	0.1
Area	20904490
RF	209044900
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	20904490
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\016.dat
Rep 1 Sample ID	PCB 1268 CF PP 3762
Rep 1 Calib. Time	May 07,2013 13:17:17

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
Print Time: May 07,2013 13:17:58
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1268 #3 (front detector)
Average RF: 9.41762e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 9.41762e+008



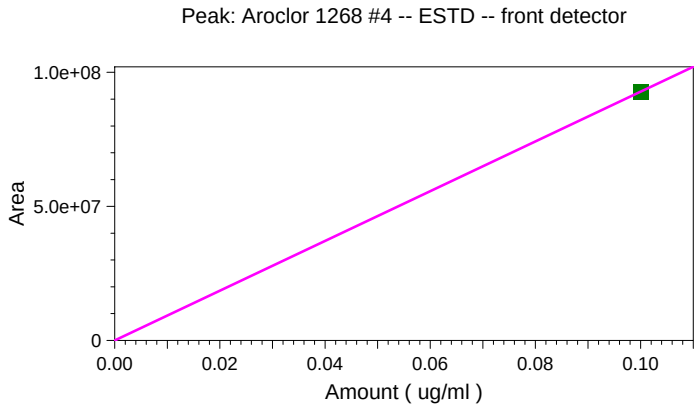
	Level 1
Amount	0.1
Area	94176150
RF	941761500
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	94176150
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\016.dat
Rep 1 Sample ID	PCB 1268 CF PP 3762
Rep 1 Calib. Time	May 07,2013 13:17:17

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
Print Time: May 07,2013 13:17:59
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1268 #4 (front detector)
Average RF: 9.28045e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 9.28045e+008



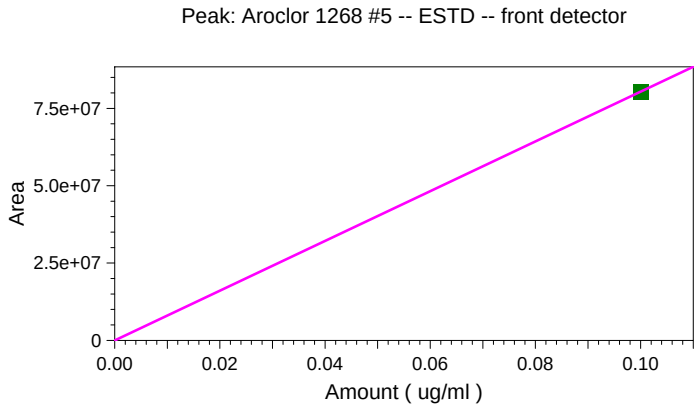
	Level 1
Amount	0.1
Area	92804476
RF	928044760
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	92804476
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\016.dat
Rep 1 Sample ID	PCB 1268 CF PP 3762
Rep 1 Calib. Time	May 07,2013 13:17:17

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
Print Time: May 07,2013 13:18:01
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1268 #5 (front detector)
Average RF: 8.04033e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 8.04033e+008



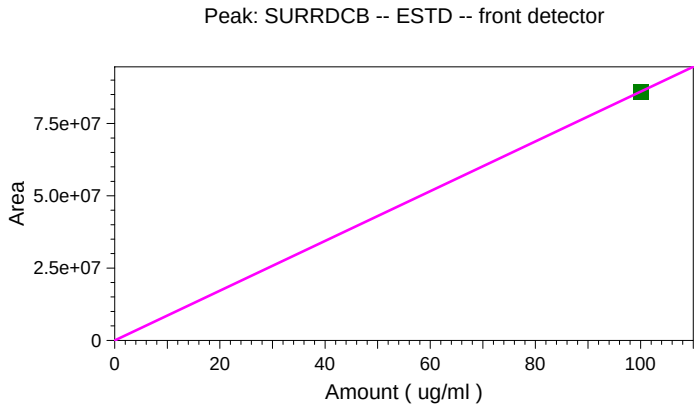
	Level 1
Amount	0.1
Area	80403301
RF	804033010
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	80403301
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\016.dat
Rep 1 Sample ID	PCB 1268 CF PP 3762
Rep 1 Calib. Time	May 07,2013 13:17:17

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
Print Time: May 07,2013 13:18:02
User: JJY
Instrument: Semi 7 (Offline)

SURRDCB (front detector)
Average RF: 859924.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 859924.



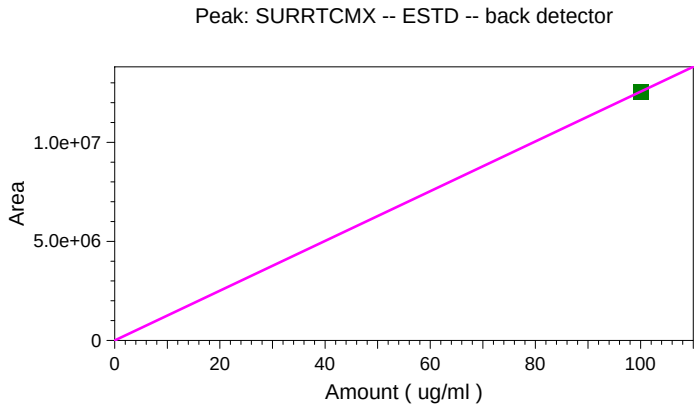
	Level 1
Amount	100
Area	85992437
RF	859924.37
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	85992437
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\016.dat
Rep 1 Sample ID	PCB 1268 CF PP 3762
Rep 1 Calib. Time	May 07,2013 13:17:17

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
Print Time: May 07,2013 13:18:08
User: JJY
Instrument: Semi 7 (Offline)

SURRTCMX (back detector)
Average RF: 125565.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 125565.



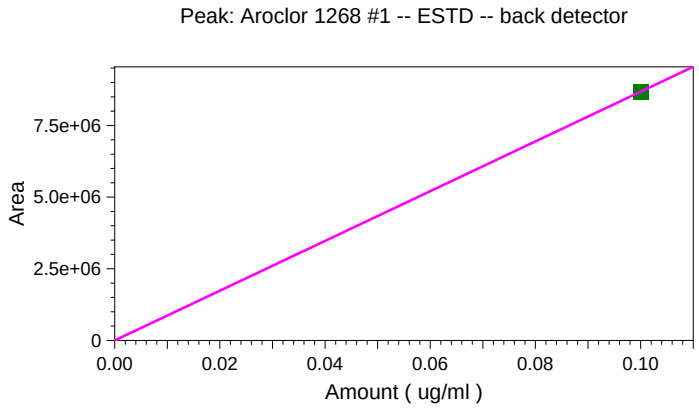
	Level 1
Amount	100
Area	12556511
RF	125565.11
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	12556511
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\016.dat
Rep 1 Sample ID	PCB 1268 CF PP 3762
Rep 1 Calib. Time	May 07,2013 13:17:17

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
Print Time: May 07,2013 13:18:11
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1268 #1 (back detector)
Average RF: 8.68181e+007
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 8.68181e+007



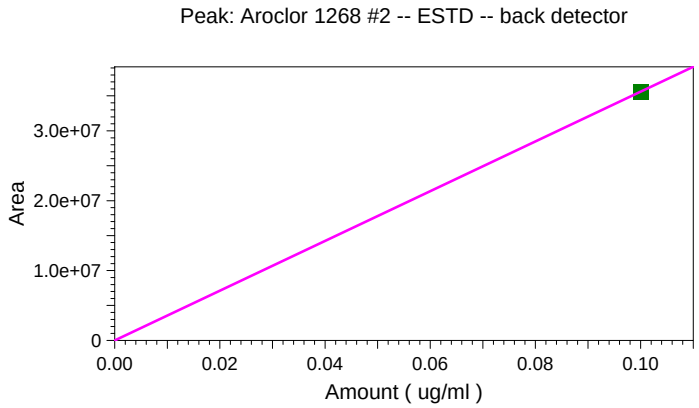
	Level 1
Amount	0.1
Area	8681809
RF	86818090
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	8681809
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\016.dat
Rep 1 Sample ID	PCB 1268 CF PP 3762
Rep 1 Calib. Time	May 07,2013 13:17:17

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
Print Time: May 07,2013 13:18:13
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1268 #2 (back detector)
Average RF: 3.56039e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 3.56039e+008



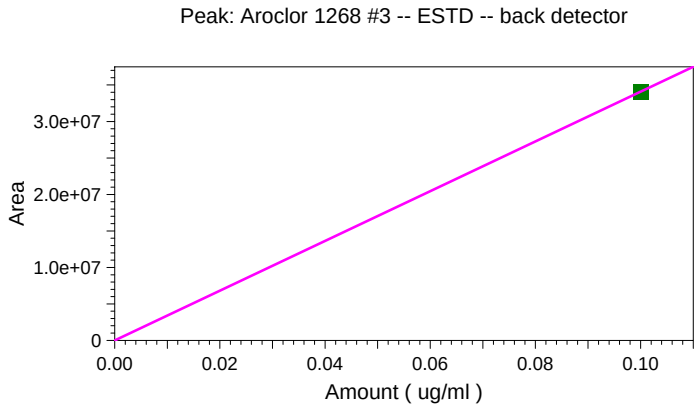
	Level 1
Amount	0.1
Area	35603933
RF	356039330
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	35603933
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\016.dat
Rep 1 Sample ID	PCB 1268 CF PP 3762
Rep 1 Calib. Time	May 07,2013 13:17:17

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
Print Time: May 07,2013 13:18:14
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1268 #3 (back detector)
Average RF: 3.40871e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 3.40871e+008



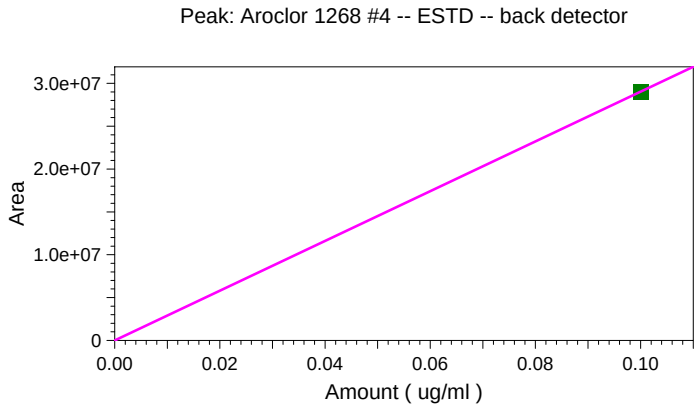
	Level 1
Amount	0.1
Area	34087057
RF	340870570
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	34087057
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\016.dat
Rep 1 Sample ID	PCB 1268 CF PP 3762
Rep 1 Calib. Time	May 07,2013 13:17:17

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
Print Time: May 07,2013 13:18:15
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1268 #4 (back detector)
Average RF: 2.90301e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 2.90301e+008



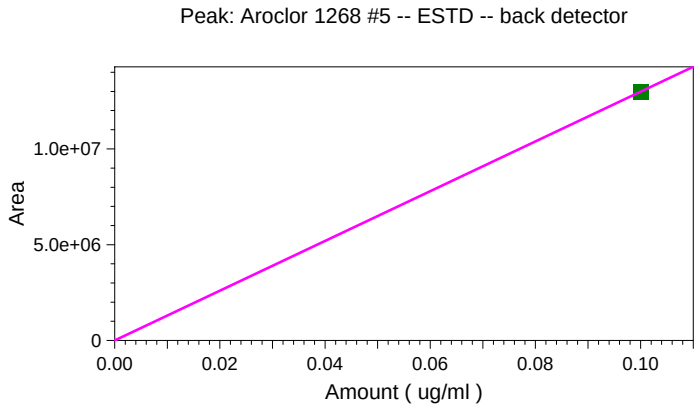
	Level 1
Amount	0.1
Area	29030051
RF	290300510
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	29030051
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\016.dat
Rep 1 Sample ID	PCB 1268 CF PP 3762
Rep 1 Calib. Time	May 07,2013 13:17:17

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
Print Time: May 07,2013 13:18:16
User: JJY
Instrument: Semi 7 (Offline)

Aroclor 1268 #5 (back detector)
Average RF: 1.29904e+008
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 1.29904e+008



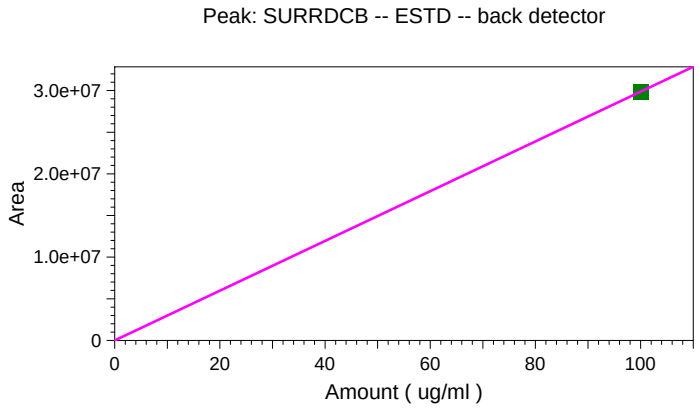
	Level 1
Amount	0.1
Area	12990421
RF	129904210
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	12990421
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\016.dat
Rep 1 Sample ID	PCB 1268 CF PP 3762
Rep 1 Calib. Time	May 07,2013 13:17:17

Calibration Report

Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
Print Time: May 07,2013 13:18:18
User: JJY
Instrument: Semi 7 (Offline)

SURRDCB (back detector)
Average RF: 298636.
Scaling: None LSQ Weighting: None Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Average RF

Average Slope: 298636.

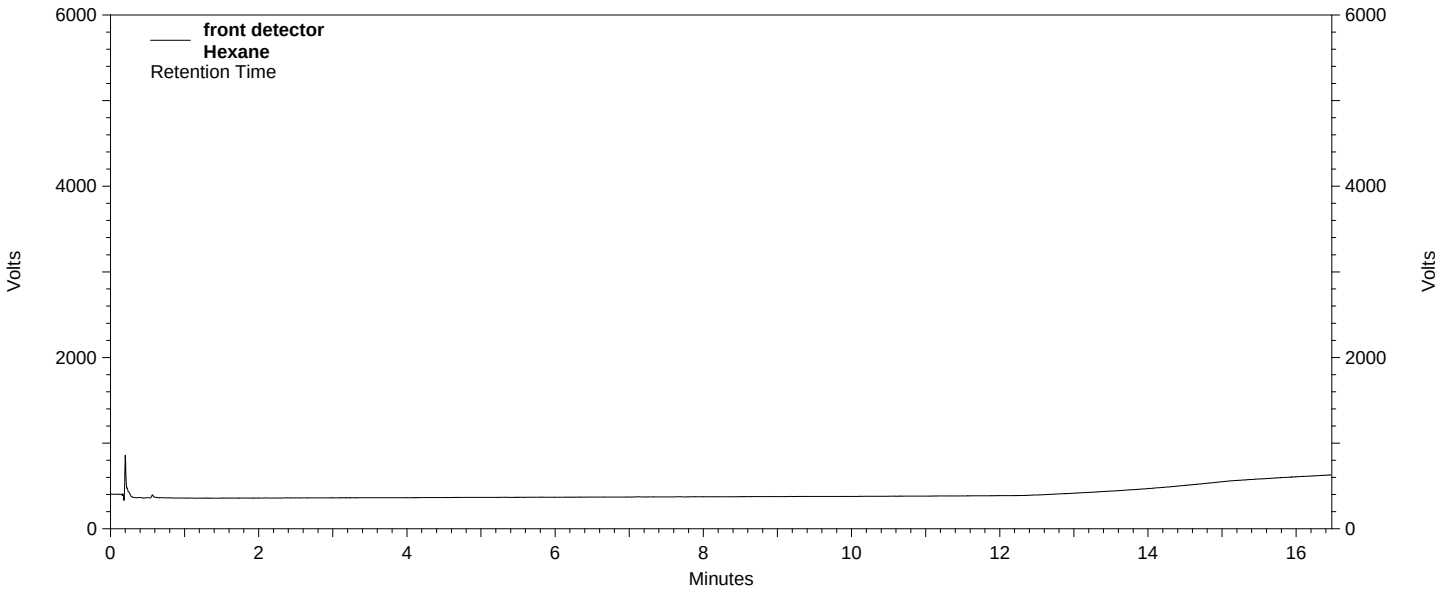


	Level 1
Amount	100
Area	29863576
RF	298635.76
Last Area	
Residual	0
Rep StDev	
Rep %RSD	
Rep 1 Area	29863576
Rep 1 User	JJY
Rep 1 Data File	C:\Instarch\Semi7\Data\050713pcbic\016.dat
Rep 1 Sample ID	PCB 1268 CF PP 3762
Rep 1 Calib. Time	May 07,2013 13:17:17

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\009.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: Hexane
Acquired: May 07,2013 10:40:57
Printed: May 07,2013 11:18:33

Data Summary: {Data Description}



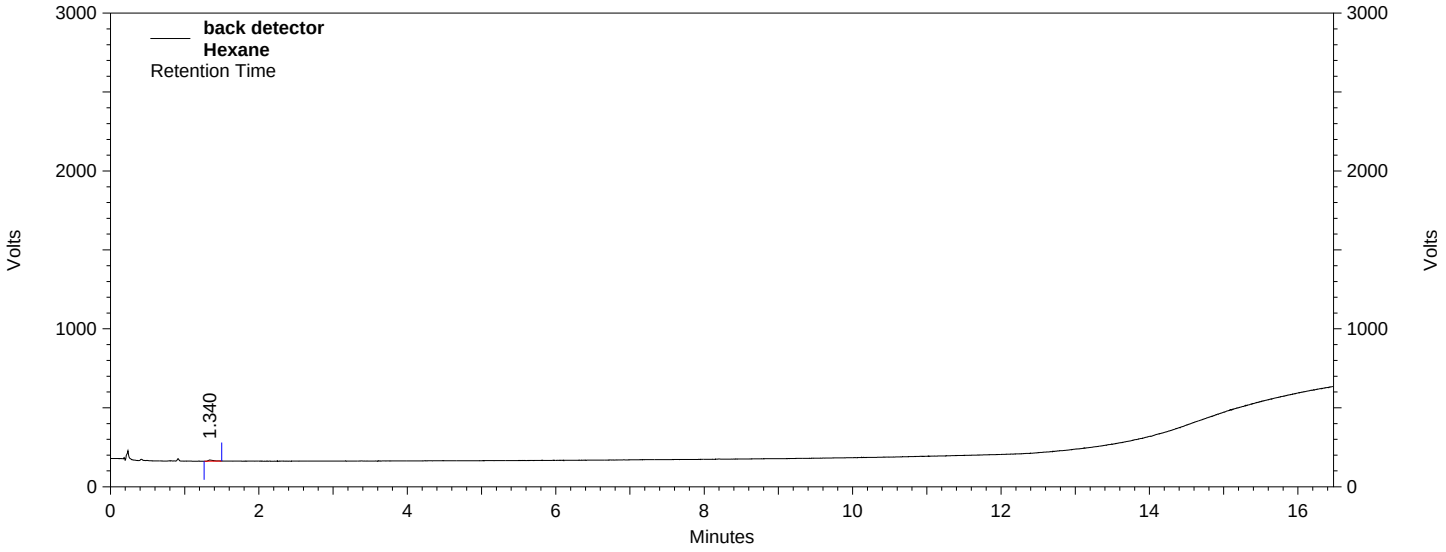
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB			0.000 BDL
Aroclor 1016 #1			0.000 BDL
Aroclor 1016 #2			0.000 BDL
Aroclor 1016 #3			0.000 BDL
Aroclor 1016 #4			0.000 BDL
Aroclor 1016 #5			0.000 BDL
Aroclor 1260 #1			0.000 BDL
Aroclor 1260 #2			0.000 BDL
Aroclor 1260 #3			0.000 BDL
Aroclor 1260 #4			0.000 BDL
Aroclor 1260 #5			0.000 BDL
SURRDCBPCB			0.000 BDL
Aroclor 1016		0	0.000
Aroclor 1260		0	0.000

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\009.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: Hexane
Acquired: May 07,2013 10:40:57
Printed: May 07,2013 11:18:33

Data Summary: {Data Description}



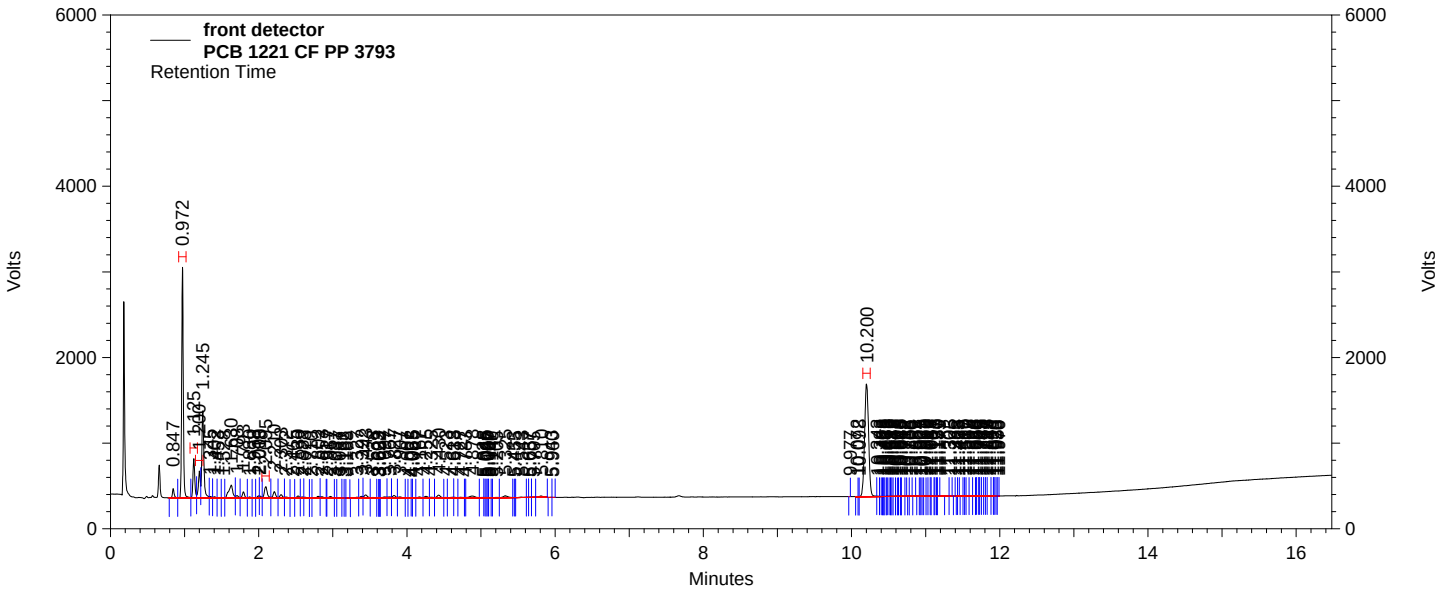
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB			0.000 BDL
Aroclor 1016 #1			0.000 BDL
Aroclor 1016 #2			0.000 BDL
Aroclor 1016 #3			0.000 BDL
Aroclor 1016 #4			0.000 BDL
Aroclor 1016 #5			0.000 BDL
Aroclor 1260 #1			0.000 BDL
Aroclor 1260 #2			0.000 BDL
Aroclor 1260 #3			0.000 BDL
Aroclor 1260 #4			0.000 BDL
Aroclor 1260 #5			0.000 BDL
SURRDCBPCB			0.000 BDL
Aroclor 1016		0	0.000
Aroclor 1260		0	0.000

PCB Analysis Report (1221) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\010.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1221.met
User: JJY
Sample ID: PCB 1221 CF PP 3793
Acquired: May 07,2013 11:00:39
Printed: May 07,2013 11:19:57

Data Summary: {Data Description}



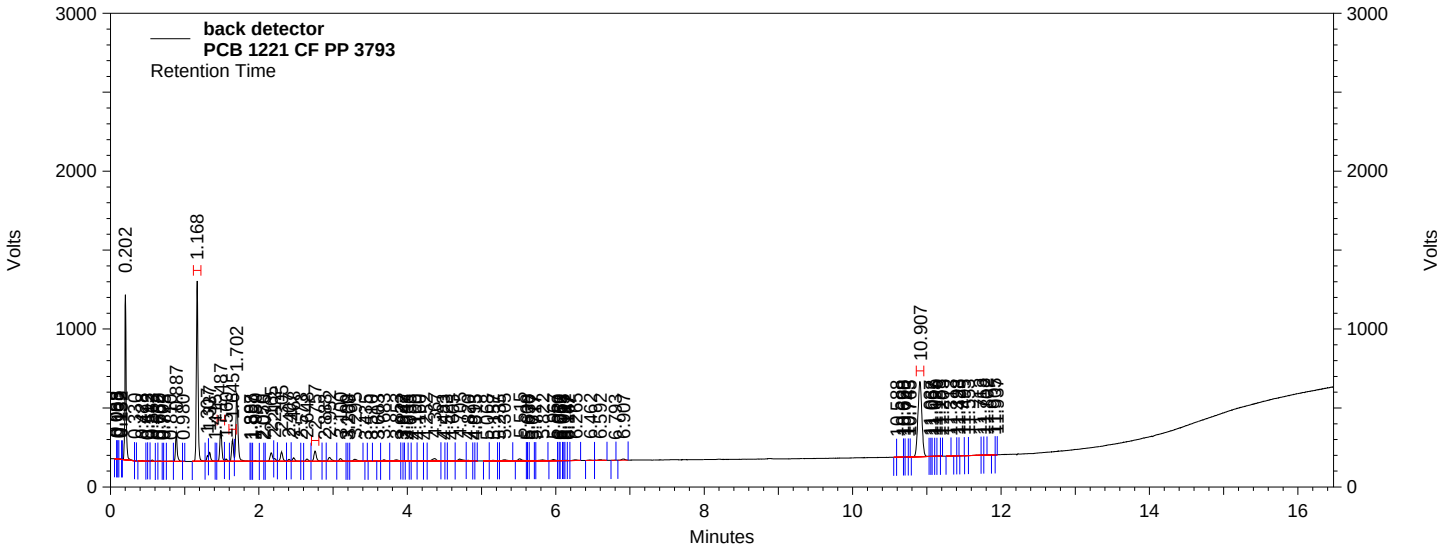
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	0.972	31478582	100.000 CAL
Aroclor 1221 #1	1.125	6036700	0.167 CAL
Aroclor 1221 #2	1.200	4274362	0.167 CAL
Aroclor 1221 #3	2.095	2817432	0.167 CAL
SURRDCB	10.200	38134229	100.000 CAL
Aroclor 1221		13128494	0.501 CAL

PCB Analysis Report (1221) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\010.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1221.met
User: JJY
Sample ID: PCB 1221 CF PP 3793
Acquired: May 07,2013 11:00:39
Printed: May 07,2013 11:19:57

Data Summary: {Data Description}



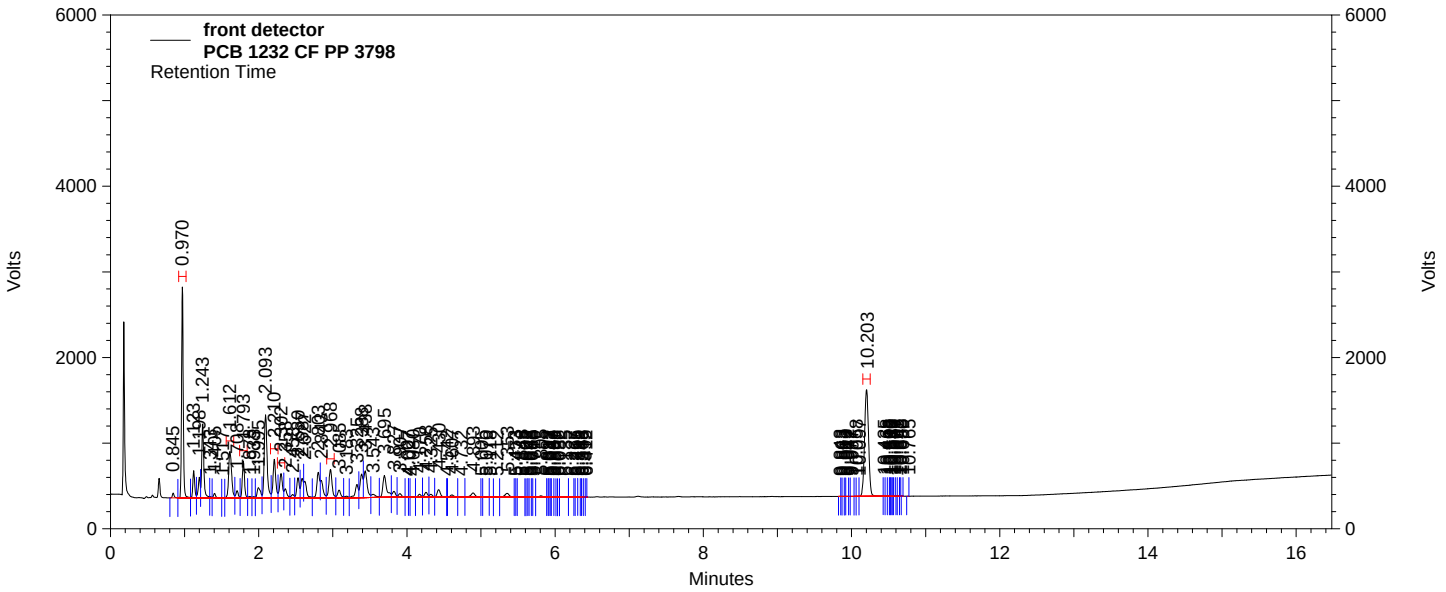
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	1.168	13509458	100.000 CAL
Aroclor 1221 #1	1.487	2806626	0.167 CAL
Aroclor 1221 #2	1.645	1821955	0.167 CAL
Aroclor 1221 #3	2.757	1206496	0.167 CAL
SURRDCB	10.907	13552646	100.000 CAL
Aroclor 1221		5835077	0.501 CAL

PCB Analysis Report (1232) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\011.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
User: JJY
Sample ID: PCB 1232 CF PP 3798
Acquired: May 07,2013 11:20:21
Printed: May 07,2013 11:39:15

Data Summary: {Data Description}



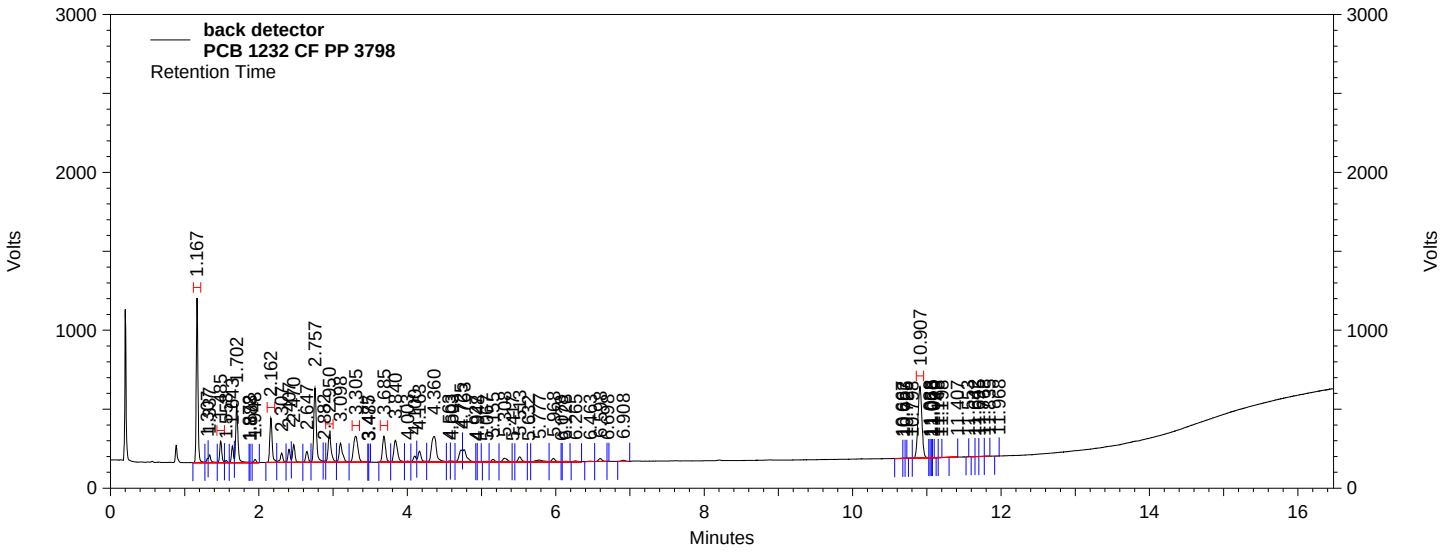
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	0.970	29680700	100.000 CAL
Aroclor 1232 #1	1.612	11627754	0.100 CAL
Aroclor 1232 #2	1.793	6688743	0.100 CAL
Aroclor 1232 #3	2.210	8654942	0.100 CAL
Aroclor 1232 #4	2.302	5643586	0.100 CAL
Aroclor 1232 #5	2.968	7409460	0.100 CAL
SURRDCB	10.203	36462018	100.000 CAL
Aroclor 1232		40024485	0.500 CAL

PCB Analysis Report (1232) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\011.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
User: JJY
Sample ID: PCB 1232 CF PP 3798
Acquired: May 07,2013 11:20:21
Printed: May 07,2013 11:39:15

Data Summary: {Data Description}



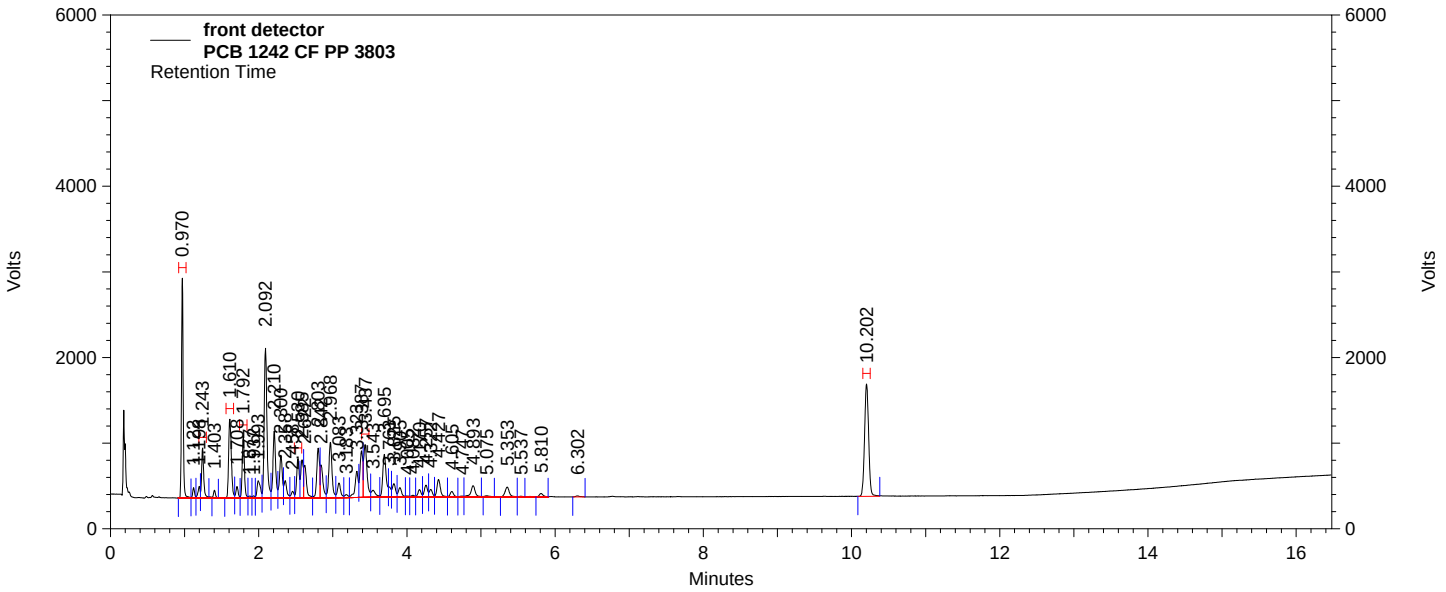
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	1.167	12692412	100.000 CAL
Aroclor 1232 #1	1.485	1997272	0.100 CAL
Aroclor 1232 #2	2.162	4775829	0.100 CAL
Aroclor 1232 #3	2.950	3950799	0.100 CAL
Aroclor 1232 #4	3.305	5375256	0.100 CAL
Aroclor 1232 #5	3.685	3708884	0.100 CAL
SURRDCB	10.907	12888656	100.000 CAL
Aroclor 1232		19808040	0.500 CAL

PCB Analysis Report (1242) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\012.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
User: JJY
Sample ID: PCB 1242 CF PP 3803
Acquired: May 07,2013 11:40:01
Printed: May 07,2013 12:41:14

Data Summary: {Data Description}



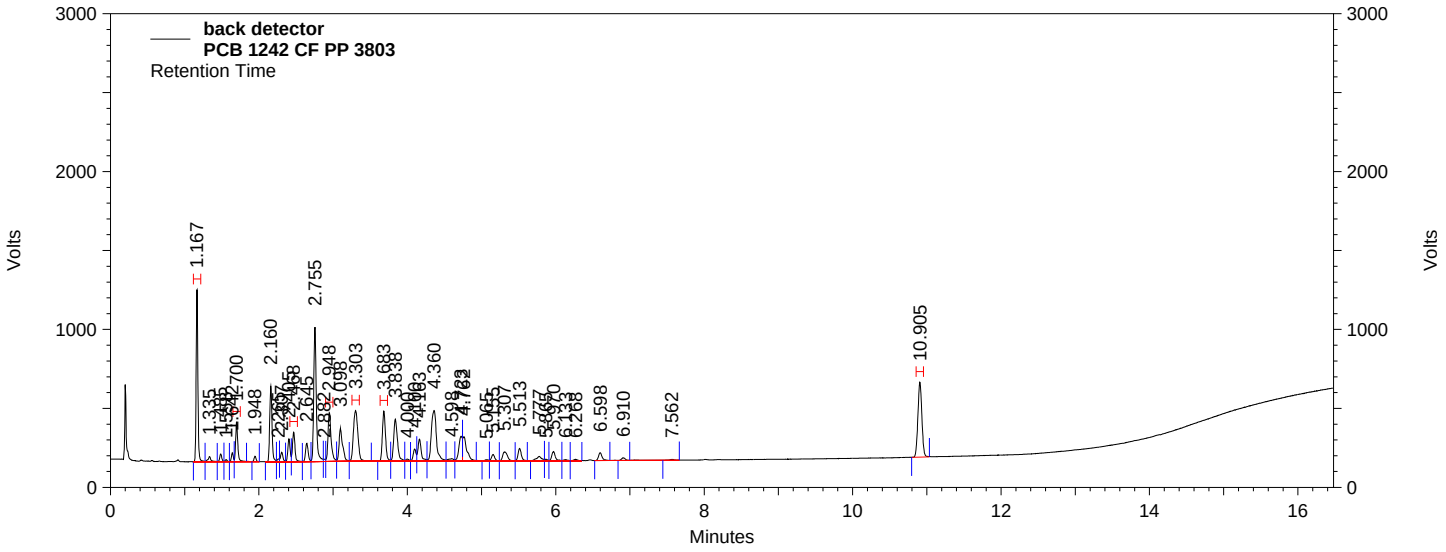
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	0.970	31269626	100.000 CAL
Aroclor 1242 #1	1.243	8735157	0.100 CAL
Aroclor 1242 #2	1.610	18062287	0.100 CAL
Aroclor 1242 #3	1.792	11475366	0.100 CAL
Aroclor 1242 #4	2.530	8291403	0.100 CAL
Aroclor 1242 #5	3.437	14909847	0.100 CAL
SURRDCB	10.202	38617870	100.000 CAL
Aroclor 1242		61474060	0.500 CAL

PCB Analysis Report (1242) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\012.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
User: JJY
Sample ID: PCB 1242 CF PP 3803
Acquired: May 07,2013 11:40:01
Printed: May 07,2013 12:41:14

Data Summary: {Data Description}



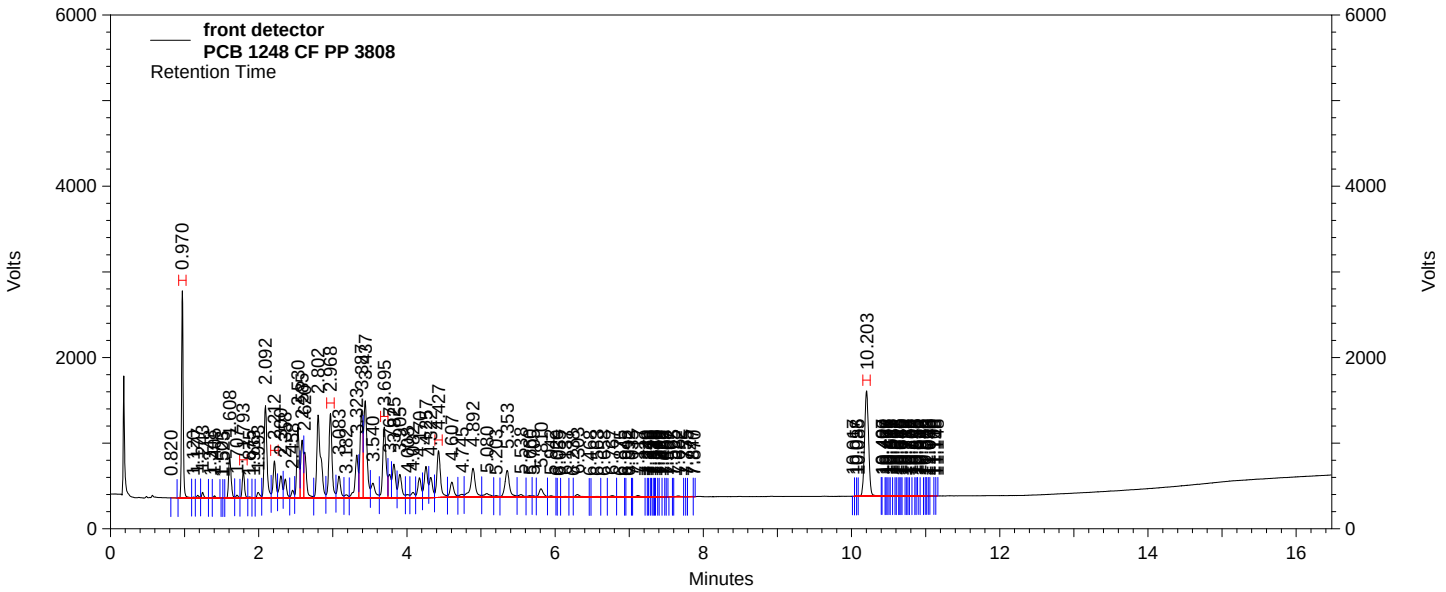
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	1.167	13387928	100.000 CAL
Aroclor 1242 #1	1.700	3951691	0.100 CAL
Aroclor 1242 #2	2.468	3308651	0.100 CAL
Aroclor 1242 #3	2.948	6895303	0.100 CAL
Aroclor 1242 #4	3.303	10539263	0.100 CAL
Aroclor 1242 #5	3.683	7183010	0.100 CAL
SURRDCB	10.905	13667159	100.000 CAL
Aroclor 1242		31877918	0.500 CAL

PCB Analysis Report (1248) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\013.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
User: JJY
Sample ID: PCB 1248 CF PP 3808
Acquired: May 07,2013 11:59:40
Printed: May 07,2013 12:41:18

Data Summary: {Data Description}



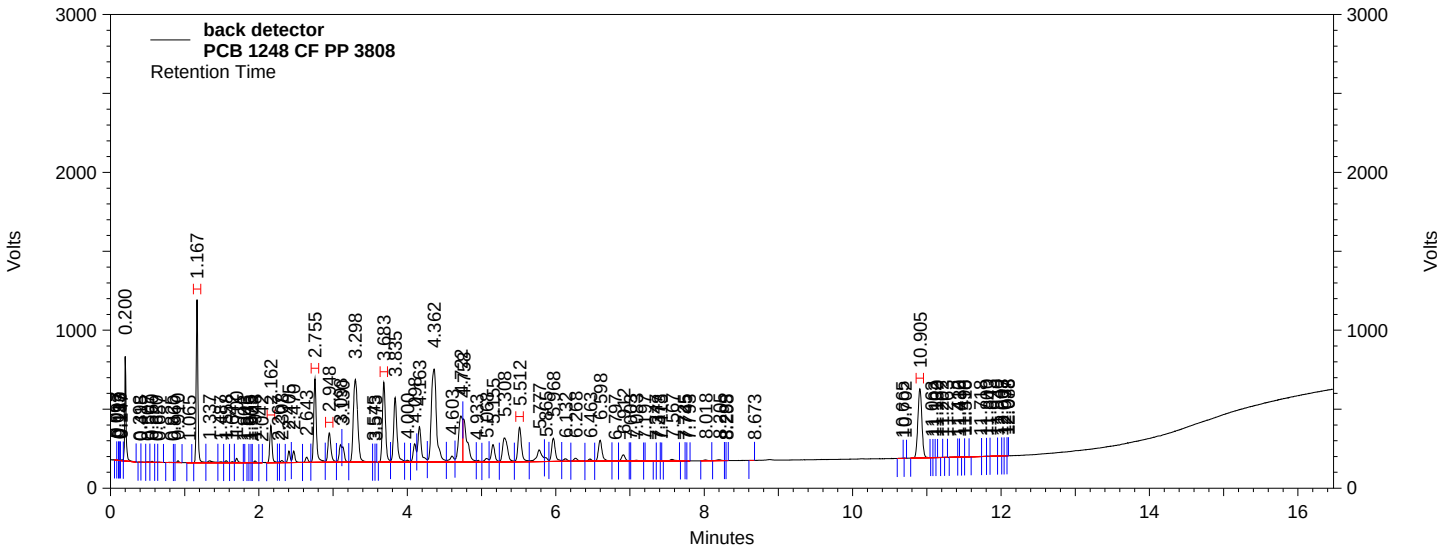
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	0.970	28568056	100.000 CAL
Aroclor 1248 #1	1.793	5025539	0.100 CAL
Aroclor 1248 #2	2.212	8478928	0.100 CAL
Aroclor 1248 #3	2.968	21978383	0.100 CAL
Aroclor 1248 #4	3.695	19682711	0.100 CAL
Aroclor 1248 #5	4.427	14231454	0.100 CAL
SURRDCB	10.203	35901885	100.000 CAL
Aroclor 1248		69397015	0.500 CAL

PCB Analysis Report (1248) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\013.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
User: JJY
Sample ID: PCB 1248 CF PP 3808
Acquired: May 07,2013 11:59:40
Printed: May 07,2013 12:41:18

Data Summary: {Data Description}



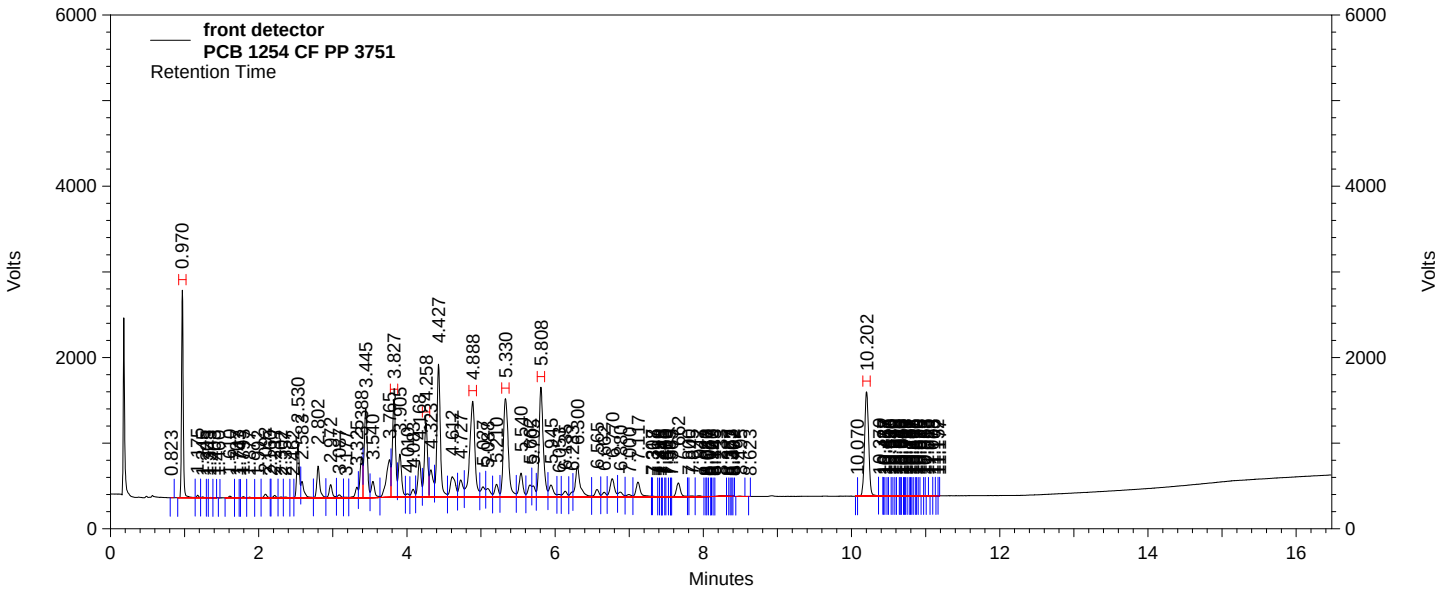
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	1.167	12422941	100.000 CAL
Aroclor 1248 #1	2.162	3840180	0.100 CAL
Aroclor 1248 #2	2.755	10036079	0.100 CAL
Aroclor 1248 #3	2.948	4122551	0.100 CAL
Aroclor 1248 #4	3.683	11201634	0.100 CAL
Aroclor 1248 #5	5.512	5580444	0.100 CAL
SURRDCB	10.905	12711271	100.000 CAL
Aroclor 1248		34780888	0.500 CAL

PCB Analysis Report (1254) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\014.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
User: JJY
Sample ID: PCB 1254 CF PP 3751
Acquired: May 07,2013 12:19:21
Printed: May 09,2013 08:03:14

Data Summary: {Data Description}



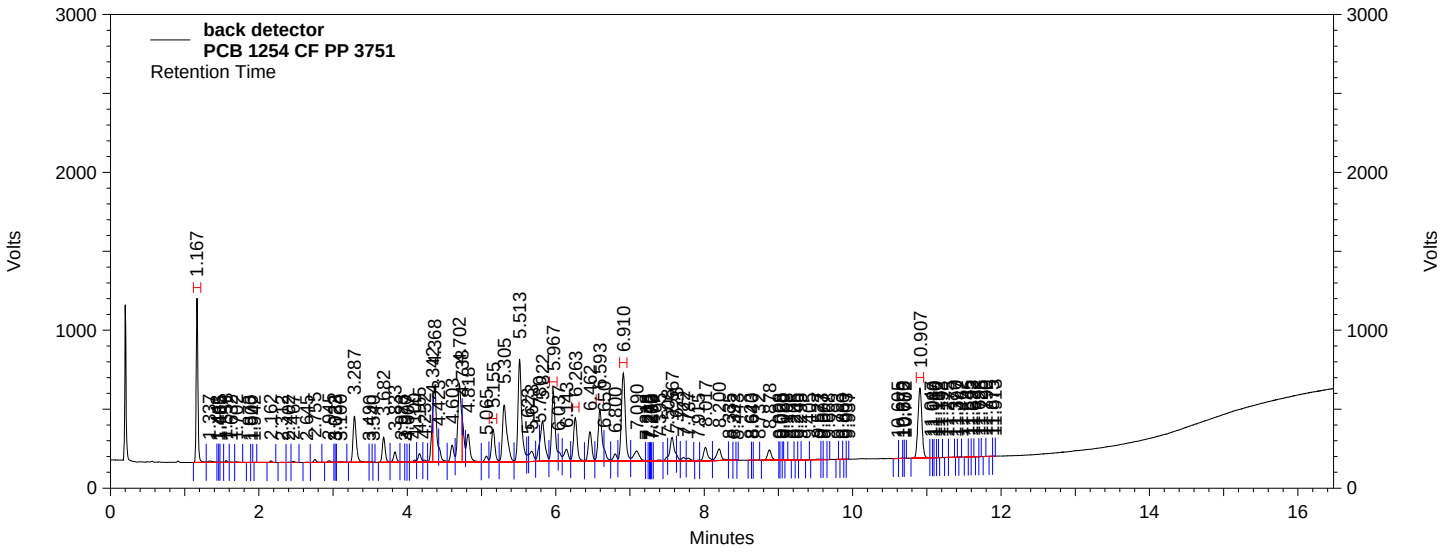
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	0.970	29413395	100.000 CAL
Aroclor 1254 #1	3.827	25770935	0.100 CAL
Aroclor 1254 #2	4.258	20805971	0.100 CAL
Aroclor 1254 #3	4.888	41642766	0.100 CAL
Aroclor 1254 #4	5.330	40766059	0.100 CAL
Aroclor 1254 #5	5.808	38014198	0.100 CAL
SURRDCB	10.202	35906181	100.000 CAL
Aroclor 1254		166999929	0.500 CAL

PCB Analysis Report (1254) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\014.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
User: JJY
Sample ID: PCB 1254 CF PP 3751
Acquired: May 07,2013 12:19:21
Printed: May 09,2013 08:03:14

Data Summary: {Data Description}



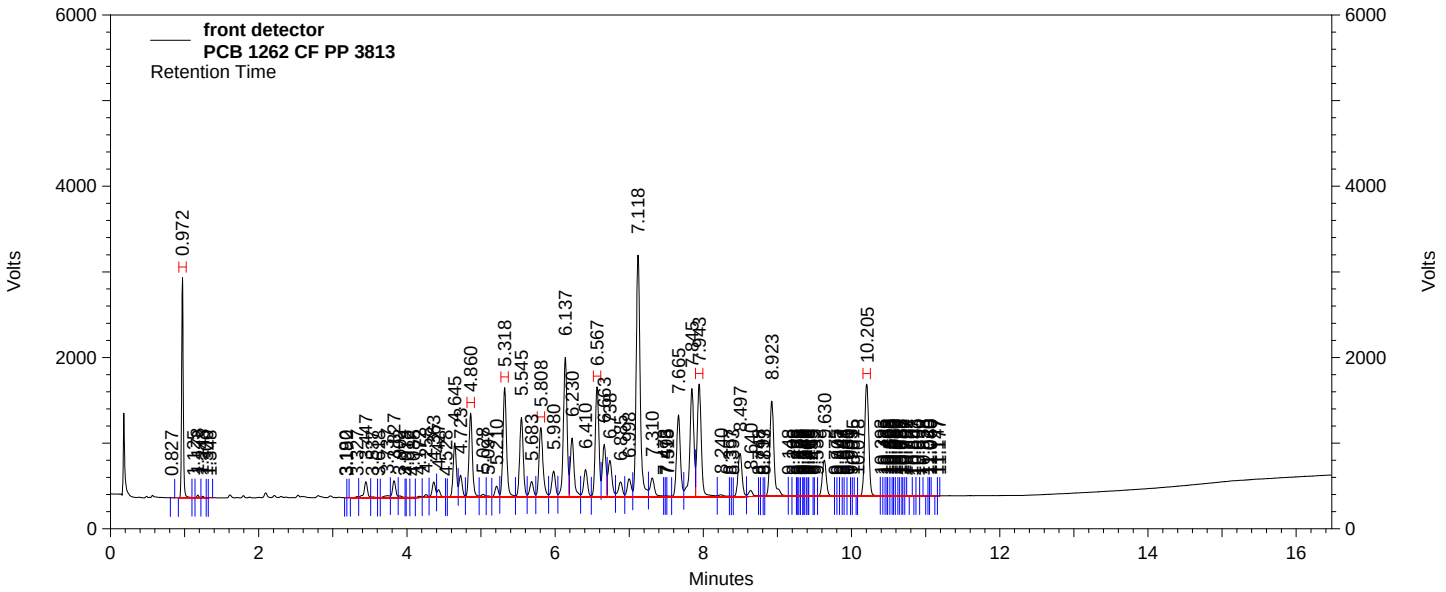
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	1.167	12744212	100.000 CAL
Aroclor 1254 #1	5.155	5080876	0.100 CAL
Aroclor 1254 #2	5.967	11196071	0.100 CAL
Aroclor 1254 #3	6.263	7283009	0.100 CAL
Aroclor 1254 #4	6.593	8807286	0.100 CAL
Aroclor 1254 #5	6.910	15798816	0.100 CAL
SURRDCB	10.907	12694214	100.000 CAL
Aroclor 1254		48166058	0.500 CAL

PCB Analysis Report (1262) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\015.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
User: JJY
Sample ID: PCB 1262 CF PP 3813
Acquired: May 07,2013 12:39:05
Printed: May 07,2013 12:57:45

Data Summary: {Data Description}



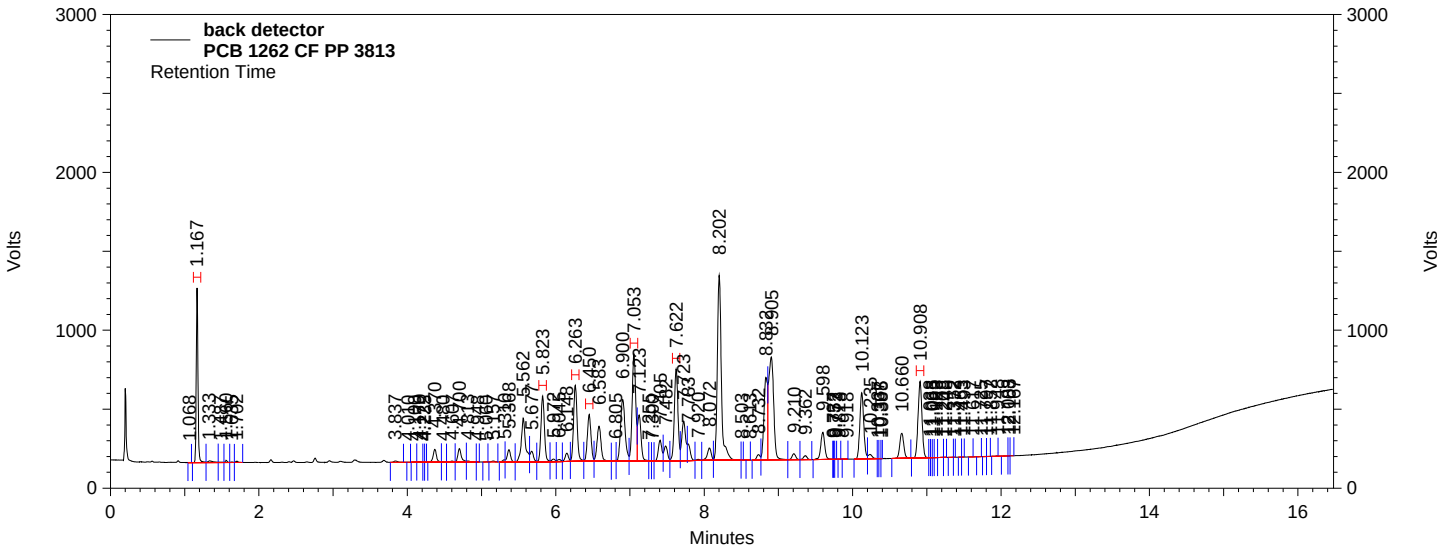
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	0.972	30808797	100.000 CAL
Aroclor 1262 #1	4.860	24683257	0.100 CAL
Aroclor 1262 #2	5.318	33971380	0.100 CAL
Aroclor 1262 #3	5.808	23400695	0.100 CAL
Aroclor 1262 #4	6.567	33514650	0.100 CAL
Aroclor 1262 #5	7.943	38711030	0.100 CAL
SURRDCB	10.205	38817876	100.000 CAL
Aroclor 1262		154281012	0.500 CAL

PCB Analysis Report (1262) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\015.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
User: JJY
Sample ID: PCB 1262 CF PP 3813
Acquired: May 07,2013 12:39:05
Printed: May 07,2013 12:57:45

Data Summary: {Data Description}



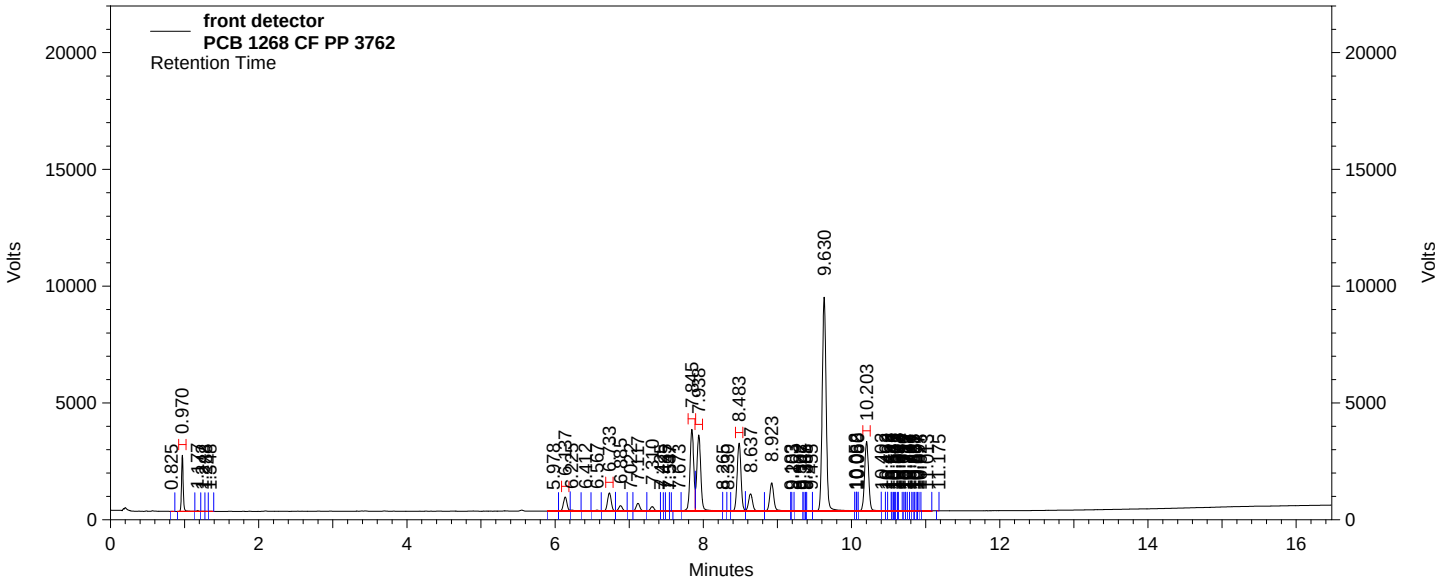
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	1.167	13537639	100.000 CAL
Aroclor 1262 #1	5.823	10248922	0.100 CAL
Aroclor 1262 #2	6.263	12338170	0.100 CAL
Aroclor 1262 #3	6.450	7780416	0.100 CAL
Aroclor 1262 #4	7.053	17706184	0.100 CAL
Aroclor 1262 #5	7.622	15168819	0.100 CAL
SURRDCB	10.908	13709602	100.000 CAL
Aroclor 1262		63242511	0.500 CAL

PCB Analysis Report (1268) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\016.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
User: JJY
Sample ID: PCB 1268 CF PP 3762
Acquired: May 07,2013 12:58:41
Printed: May 07,2013 13:17:32

Data Summary: {Data Description}



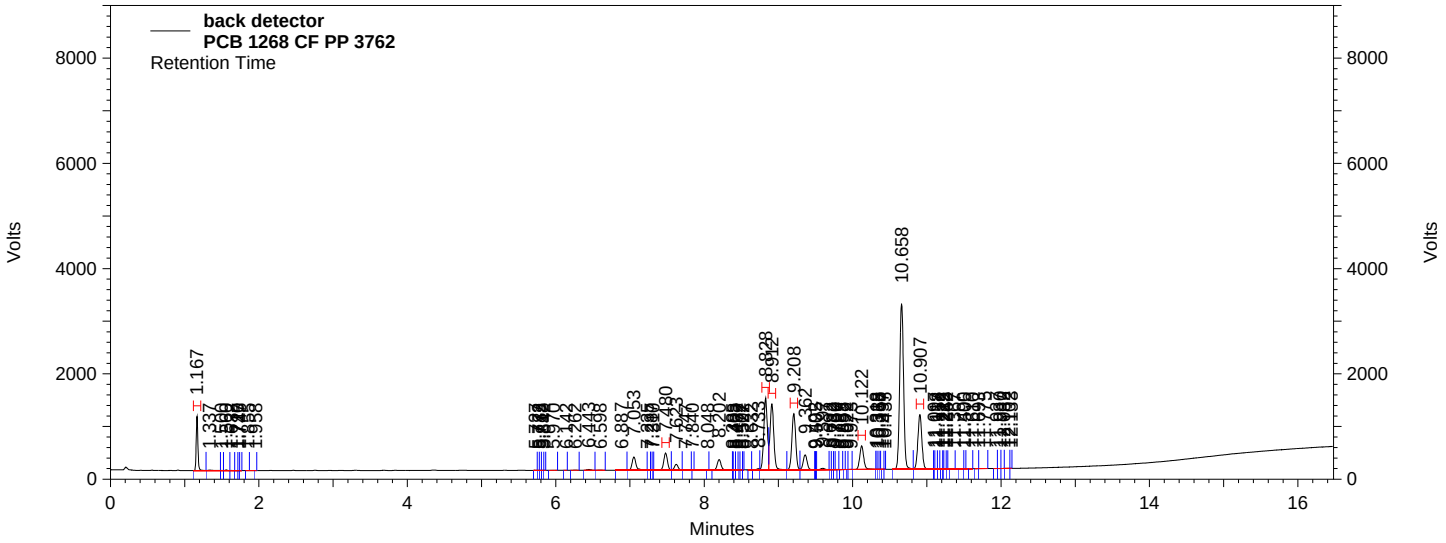
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	0.970	28923643	100.000 CAL
Aroclor 1268 #1	6.137	15770772	0.100 CAL
Aroclor 1268 #2	6.733	20904490	0.100 CAL
Aroclor 1268 #3	7.845	94176150	0.100 CAL
Aroclor 1268 #4	7.938	92804476	0.100 CAL
Aroclor 1268 #5	8.483	80403301	0.100 CAL
SURRDCB	10.203	85992437	100.000 CAL
Aroclor 1268		304059189	0.500 CAL

PCB Analysis Report (1268) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\016.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
User: JJY
Sample ID: PCB 1268 CF PP 3762
Acquired: May 07,2013 12:58:41
Printed: May 07,2013 13:17:32

Data Summary: {Data Description}



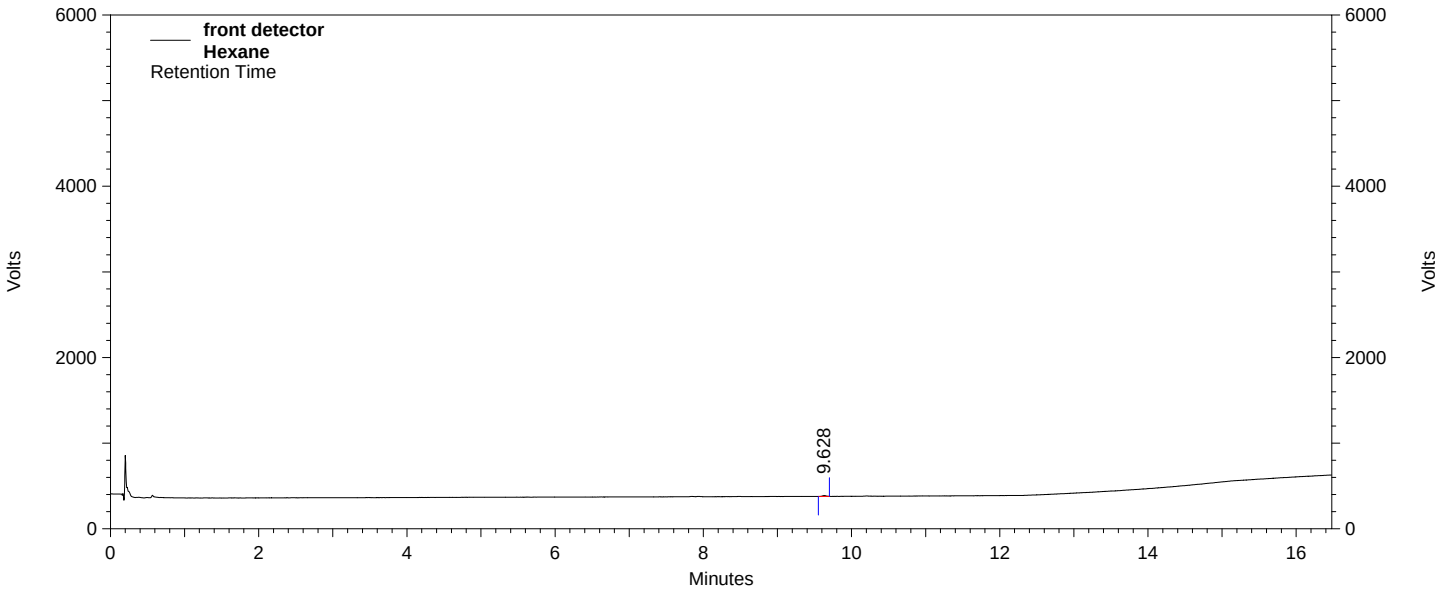
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	1.167	12556511	100.000 CAL
Aroclor 1268 #1	7.480	8681809	0.100 CAL
Aroclor 1268 #2	8.828	35603933	0.100 CAL
Aroclor 1268 #3	8.912	34087057	0.100 CAL
Aroclor 1268 #4	9.208	29030051	0.100 CAL
Aroclor 1268 #5	10.122	12990421	0.100 CAL
SURRDCB	10.907	29863576	100.000 CAL
Aroclor 1268		120393271	0.500 CAL

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\017.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: Hexane
Acquired: May 07,2013 13:18:17
Printed: May 07,2013 14:23:04

Data Summary: {Data Description}



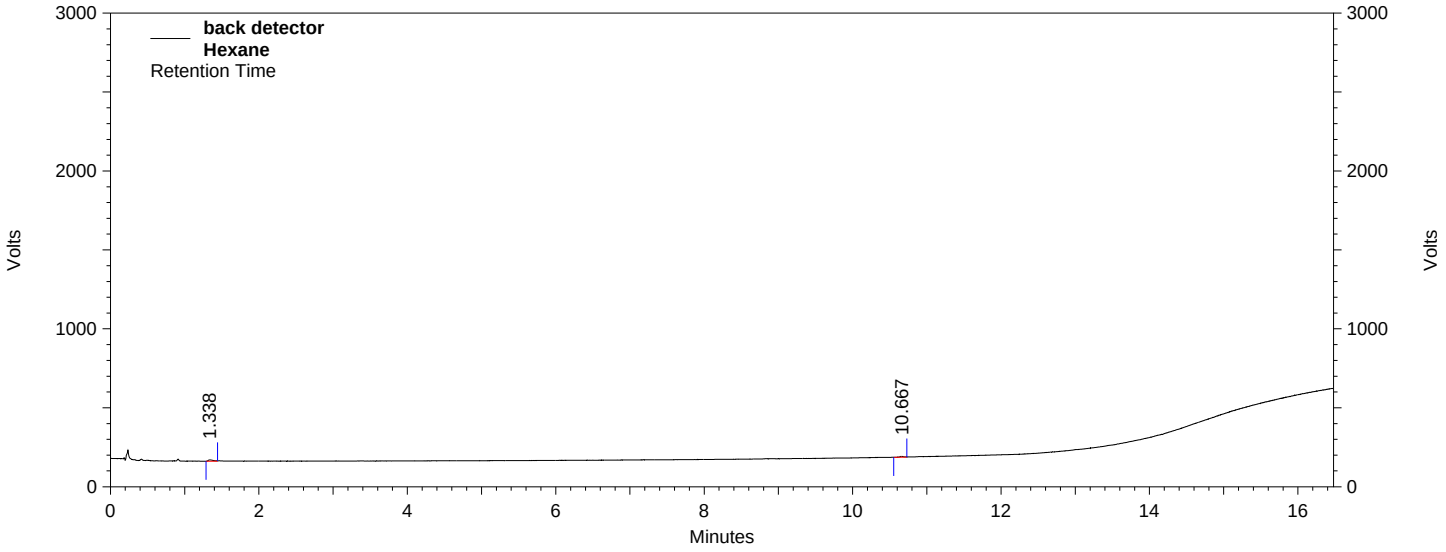
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB			0.000 BDL
Aroclor 1016 #1			0.000 BDL
Aroclor 1016 #2			0.000 BDL
Aroclor 1016 #3			0.000 BDL
Aroclor 1016 #4			0.000 BDL
Aroclor 1016 #5			0.000 BDL
Aroclor 1260 #1			0.000 BDL
Aroclor 1260 #2			0.000 BDL
Aroclor 1260 #3			0.000 BDL
Aroclor 1260 #4			0.000 BDL
Aroclor 1260 #5			0.000 BDL
SURRDCBPCB			0.000 BDL
Aroclor 1016		0	0.000
Aroclor 1260		0	0.000

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\017.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\050713pcbic.met
User: JJY
Sample ID: Hexane
Acquired: May 07,2013 13:18:17
Printed: May 07,2013 14:23:04

Data Summary: {Data Description}



back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB			0.000 BDL
Aroclor 1016 #1			0.000 BDL
Aroclor 1016 #2			0.000 BDL
Aroclor 1016 #3			0.000 BDL
Aroclor 1016 #4			0.000 BDL
Aroclor 1016 #5			0.000 BDL
Aroclor 1260 #1			0.000 BDL
Aroclor 1260 #2			0.000 BDL
Aroclor 1260 #3			0.000 BDL
Aroclor 1260 #4			0.000 BDL
Aroclor 1260 #5			0.000 BDL
SURRDCBPCB			0.000 BDL
Aroclor 1016		0	0.000
Aroclor 1260		0	0.000

QC Check Standard Report

Sequence : C:\Instarch\Semi7\Sequence\050713pcbic.seq
User : JJY
Printed : May 07,2013 14:23:20

File	Sample ID	Acquired
C:\Instarch\Semi7\Data\050713pcbic\018.dat	PCB 1221 ICV PP 3779	May 07,2013 14:23:20

front detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMX	100.000	97.610	2.390	20.000	Passed
Aroclor 1221 #1	0.167	0.162	3.154	20.000	Passed
Aroclor 1221 #2	0.167	0.159	4.956	20.000	Passed
Aroclor 1221 #3	0.167	0.155	7.110	20.000	Passed
SURRDCB	100.000	98.675	1.325	20.000	Passed
Aroclor 1221	0.500	0.476	4.884	20.000	Passed

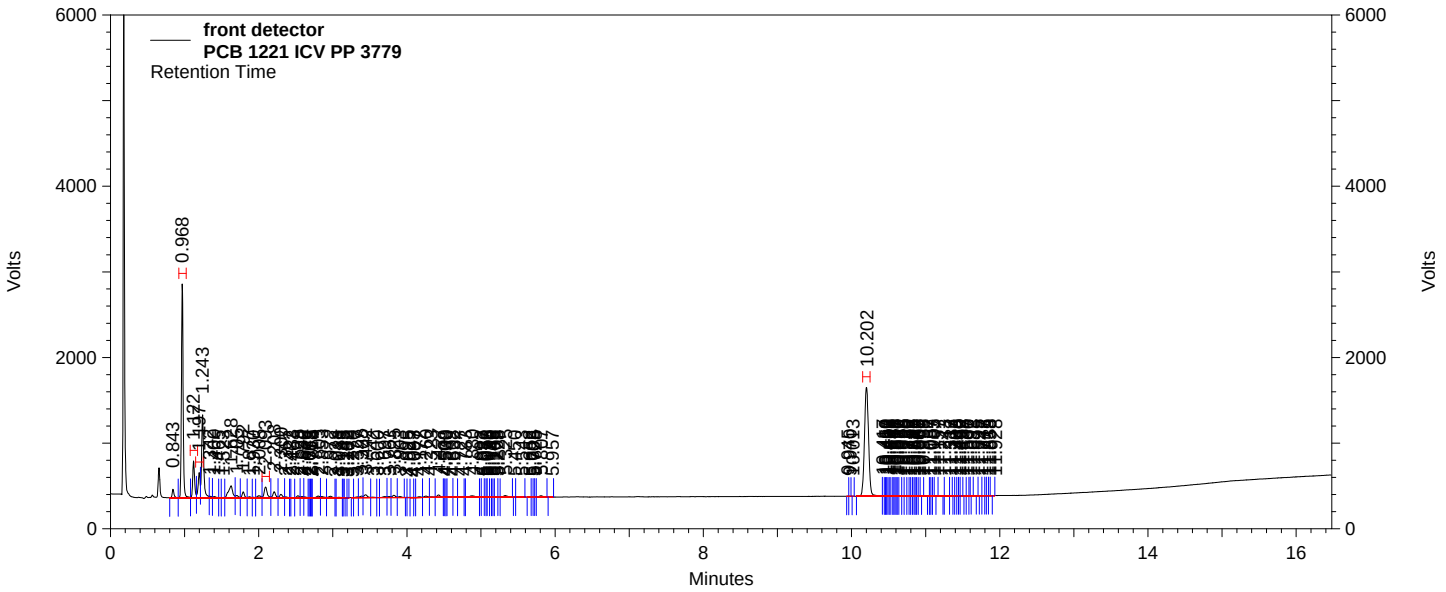
back detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMX	100.000	97.773	2.227	20.000	Passed
Aroclor 1221 #1	0.167	0.164	2.052	20.000	Passed
Aroclor 1221 #2	0.167	0.163	2.345	20.000	Passed
Aroclor 1221 #3	0.167	0.161	3.707	20.000	Passed
SURRDCB	100.000	98.063	1.937	20.000	Passed
Aroclor 1221	0.500	0.487	2.507	20.000	Passed

PCB Analysis Report (1221) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\018.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1221.met
User: JJY
Sample ID: PCB 1221 ICV PP 3779
Acquired: May 07,2013 13:37:57
Printed: May 07,2013 14:23:19

Data Summary: {Data Description}



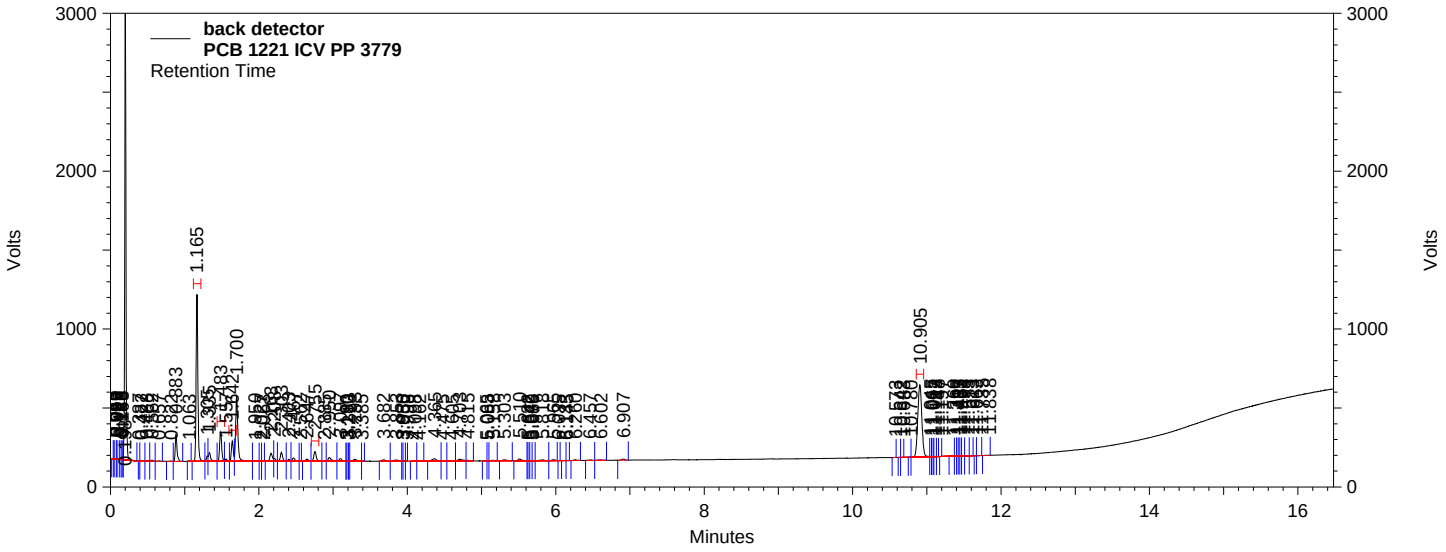
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	0.968	30726245	97.610
Aroclor 1221 #1	1.122	5846282	0.162
Aroclor 1221 #2	1.197	4062508	0.159
Aroclor 1221 #3	2.093	2617110	0.155
SURRDCB	10.202	37629081	98.675
Aroclor 1221		12525900	0.476

PCB Analysis Report (1221) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\018.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1221.met
User: JJY
Sample ID: PCB 1221 ICV PP 3779
Acquired: May 07,2013 13:37:57
Printed: May 07,2013 14:23:19

Data Summary: {Data Description}



back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	1.165	13208561	97.773
Aroclor 1221 #1	1.483	2749029	0.164
Aroclor 1221 #2	1.642	1779230	0.163
Aroclor 1221 #3	2.755	1161771	0.161
SURRDCB	10.905	13290132	98.063
Aroclor 1221		5690030	0.487

QC Check Standard Report

Sequence : C:\Instarch\Semi7\Sequence\050713pcbic.seq
User : JJY
Printed : May 07,2013 14:23:25

File	Sample ID	Acquired
C:\Instarch\Semi7\Data\050713pcbic\019.dat	PCB 1232 ICV PP 3780	May 07,2013 14:23:25

front detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMX	100.000	104.954	4.954	20.000	Passed
Aroclor 1232 #1	0.100	0.097	2.789	20.000	Passed
Aroclor 1232 #2	0.100	0.097	2.851	20.000	Passed
Aroclor 1232 #3	0.100	0.097	3.360	20.000	Passed
Aroclor 1232 #4	0.100	0.097	2.625	20.000	Passed
Aroclor 1232 #5	0.100	0.097	2.687	20.000	Passed
SURRDCB	100.000	104.828	4.828	20.000	Passed
Aroclor 1232	0.500	0.486	2.863	20.000	Passed

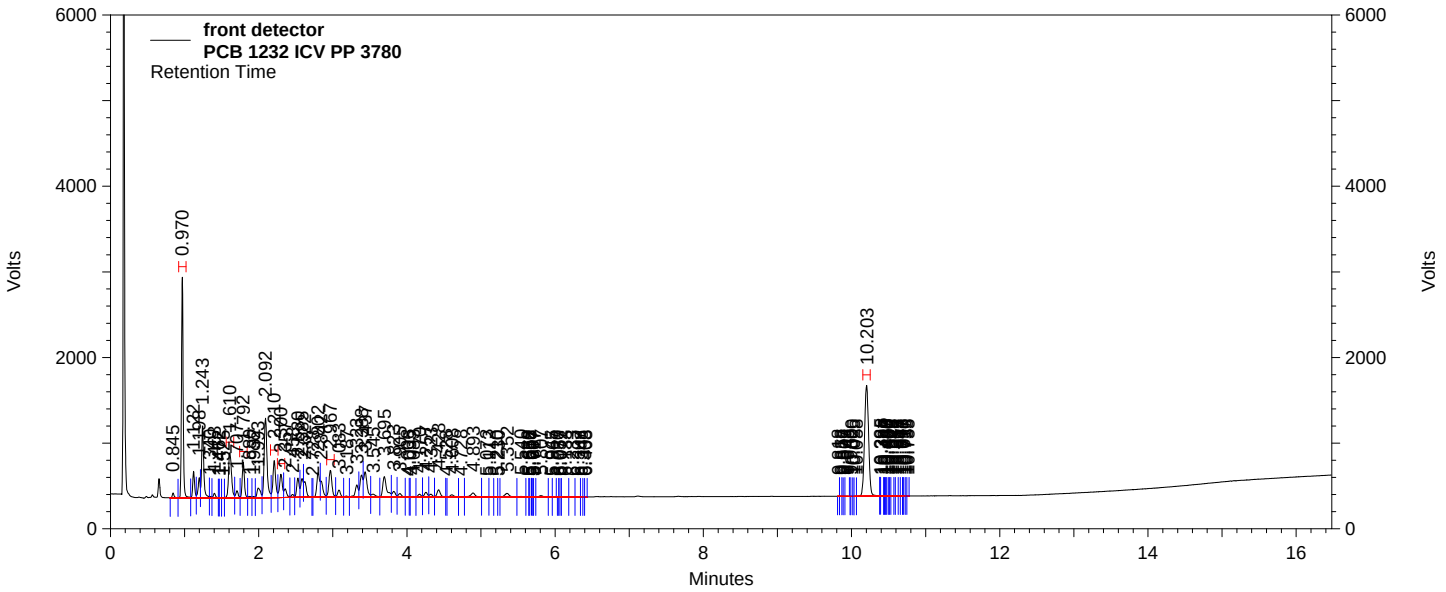
back detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMX	100.000	105.921	5.921	20.000	Passed
Aroclor 1232 #1	0.100	0.098	1.740	20.000	Passed
Aroclor 1232 #2	0.100	0.098	2.216	20.000	Passed
Aroclor 1232 #3	0.100	0.098	1.949	20.000	Passed
Aroclor 1232 #4	0.100	0.099	1.220	20.000	Passed
Aroclor 1232 #5	0.100	0.097	2.771	20.000	Passed
SURRDCB	100.000	105.538	5.538	20.000	Passed
Aroclor 1232	0.500	0.490	1.979	20.000	Passed

PCB Analysis Report (1232) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\019.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
User: JJY
Sample ID: PCB 1232 ICV PP 3780
Acquired: May 07,2013 13:57:31
Printed: May 07,2013 14:23:24

Data Summary: {Data Description}



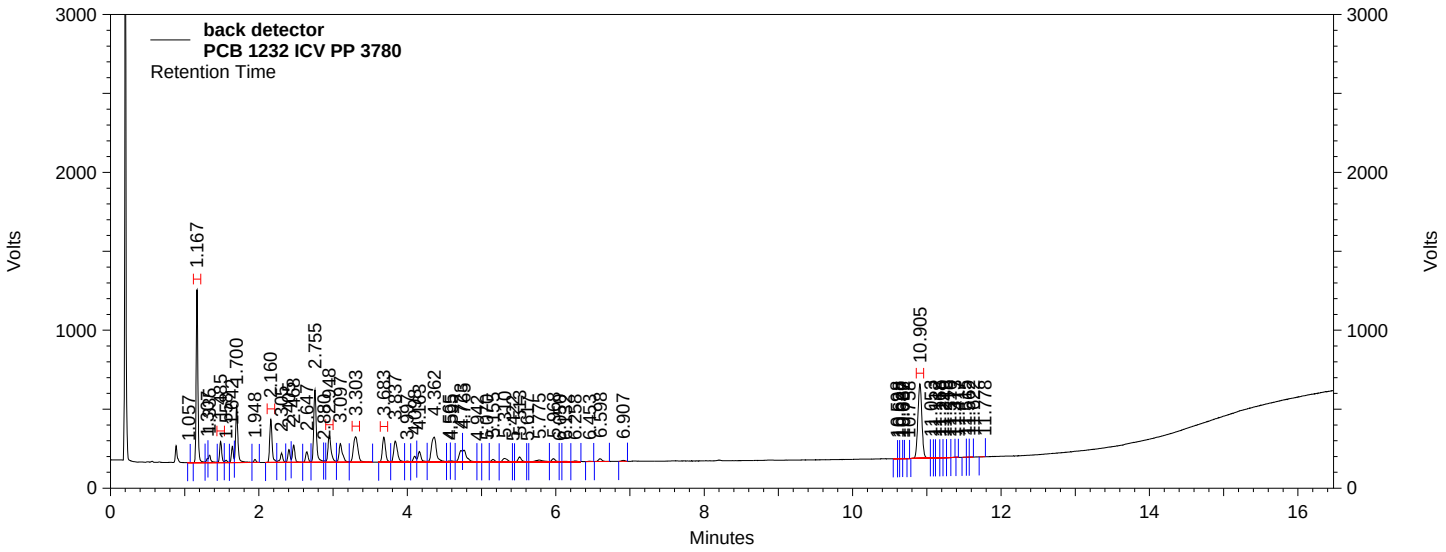
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	0.970	31151177	104.954
Aroclor 1232 #1	1.610	11303436	0.097
Aroclor 1232 #2	1.792	6498070	0.097
Aroclor 1232 #3	2.210	8364105	0.097
Aroclor 1232 #4	2.300	5495425	0.097
Aroclor 1232 #5	2.967	7210364	0.097
SURRDCB	10.203	38222555	104.828
Aroclor 1232		38871400	0.486

PCB Analysis Report (1232) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\019.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1232.met
User: JJY
Sample ID: PCB 1232 ICV PP 3780
Acquired: May 07,2013 13:57:31
Printed: May 07,2013 14:23:24

Data Summary: {Data Description}



back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	1.167	13443892	105.921
Aroclor 1232 #1	1.485	1962523	0.098
Aroclor 1232 #2	2.160	4670011	0.098
Aroclor 1232 #3	2.948	3873780	0.098
Aroclor 1232 #4	3.303	5309686	0.099
Aroclor 1232 #5	3.683	3606100	0.097
SURRDCB	10.905	13602391	105.538
Aroclor 1232		19422100	0.490

QC Check Standard Report

Sequence : C:\Instarch\Semi7\Sequence\050713pcbic.seq
User : JJY
Printed : May 07,2013 15:04:39

File	Sample ID	Acquired
C:\Instarch\Semi7\Data\050713pcbic\020.dat	PCB 1242 ICV PP 3781	May 07,2013 15:04:39

front detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMX	100.000	99.468	0.532	20.000	Passed
Aroclor 1242 #1	0.100	0.105	4.974	20.000	Passed
Aroclor 1242 #2	0.100	0.105	5.136	20.000	Passed
Aroclor 1242 #3	0.100	0.105	5.066	20.000	Passed
Aroclor 1242 #4	0.100	0.105	5.473	20.000	Passed
Aroclor 1242 #5	0.100	0.106	5.760	20.000	Passed
SURRDCB	100.000	99.429	0.571	20.000	Passed
Aroclor 1242	0.500	0.526	5.282	20.000	Passed

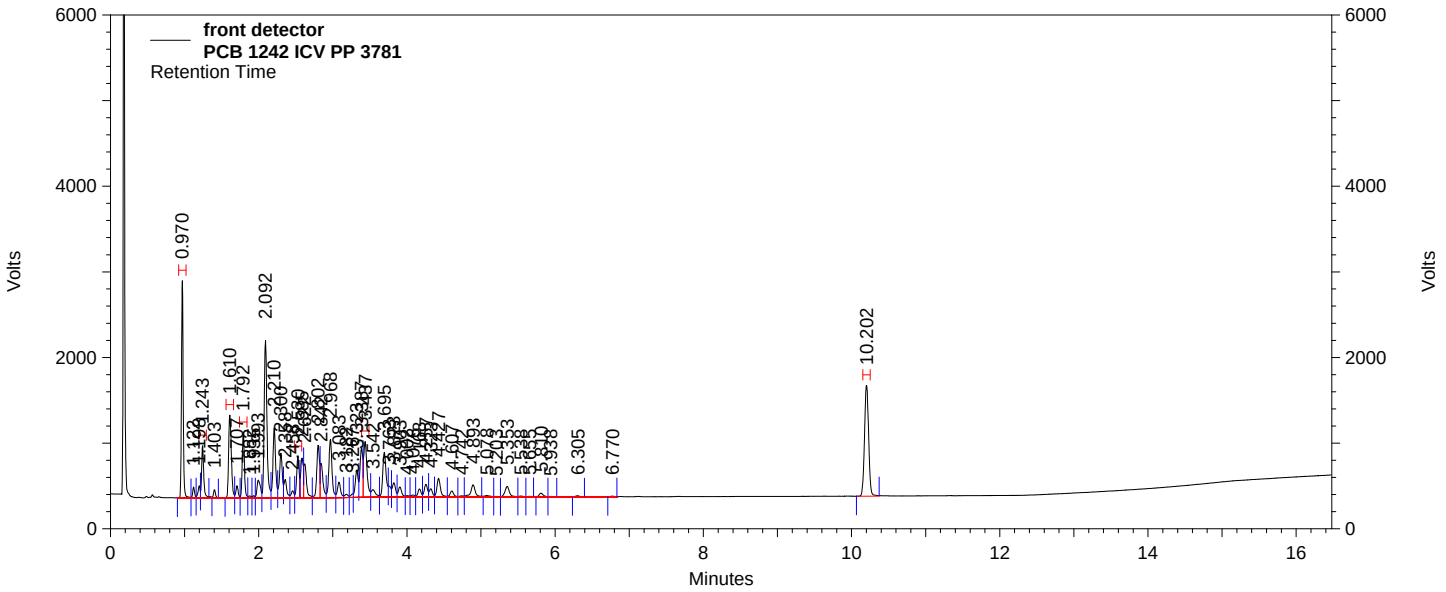
back detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMX	100.000	99.957	0.043	20.000	Passed
Aroclor 1242 #1	0.100	0.106	6.162	20.000	Passed
Aroclor 1242 #2	0.100	0.107	6.987	20.000	Passed
Aroclor 1242 #3	0.100	0.106	6.157	20.000	Passed
Aroclor 1242 #4	0.100	0.106	5.607	20.000	Passed
Aroclor 1242 #5	0.100	0.106	5.813	20.000	Passed
SURRDCB	100.000	100.225	0.225	20.000	Passed
Aroclor 1242	0.500	0.531	6.145	20.000	Passed

PCB Analysis Report (1242) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\020.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
User: JJY
Sample ID: PCB 1242 ICV PP 3781
Acquired: May 07,2013 14:17:10
Printed: May 07,2013 15:04:37

Data Summary: {Data Description}



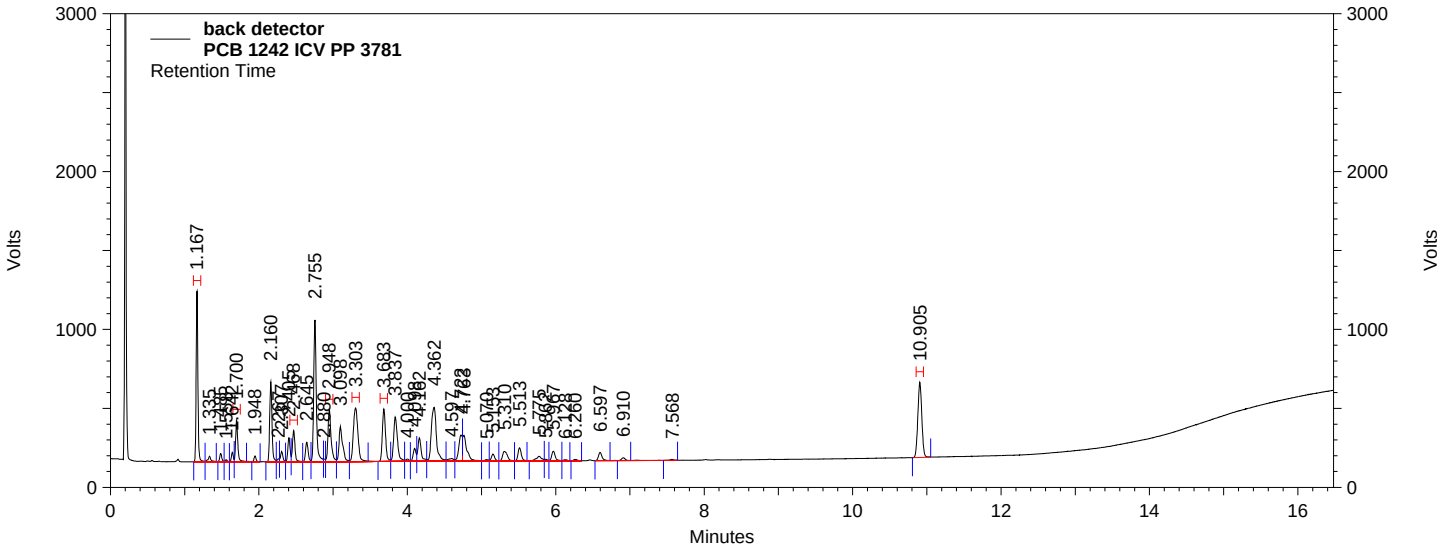
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	0.970	31103334	99.468
Aroclor 1242 #1	1.243	9169623	0.105
Aroclor 1242 #2	1.610	18989907	0.105
Aroclor 1242 #3	1.792	12056701	0.105
Aroclor 1242 #4	2.530	8745186	0.105
Aroclor 1242 #5	3.437	15768667	0.106
SURRDCB	10.202	38397322	99.429
Aroclor 1242		64730084	0.526

PCB Analysis Report (1242) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\020.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1242.met
User: JJY
Sample ID: PCB 1242 ICV PP 3781
Acquired: May 07,2013 14:17:10
Printed: May 07,2013 15:04:37

Data Summary: {Data Description}



back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	1.167	13382212	99.957
Aroclor 1242 #1	1.700	4195201	0.106
Aroclor 1242 #2	2.468	3539838	0.107
Aroclor 1242 #3	2.948	7319857	0.106
Aroclor 1242 #4	3.303	11130147	0.106
Aroclor 1242 #5	3.683	7600579	0.106
SURRDCB	10.905	13697843	100.225
Aroclor 1242		33785622	0.531

QC Check Standard Report

Sequence : C:\Instarch\Semi7\Sequence\050713pcbic.seq
User : JJY
Printed : May 07,2013 15:04:47

File	Sample ID	Acquired
C:\Instarch\Semi7\Data\050713pcbic\021.dat	PCB 1248 ICV PP 3782	May 07,2013 15:04:46

front detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMX	100.000	105.422	5.422	20.000	Passed
Aroclor 1248 #1	0.100	0.101	1.132	20.000	Passed
Aroclor 1248 #2	0.100	0.102	1.540	20.000	Passed
Aroclor 1248 #3	0.100	0.101	1.357	20.000	Passed
Aroclor 1248 #4	0.100	0.100	0.268	20.000	Passed
Aroclor 1248 #5	0.100	0.101	0.680	20.000	Passed
SURRDCB	100.000	105.225	5.225	20.000	Passed
Aroclor 1248	0.500	0.505	0.996	20.000	Passed

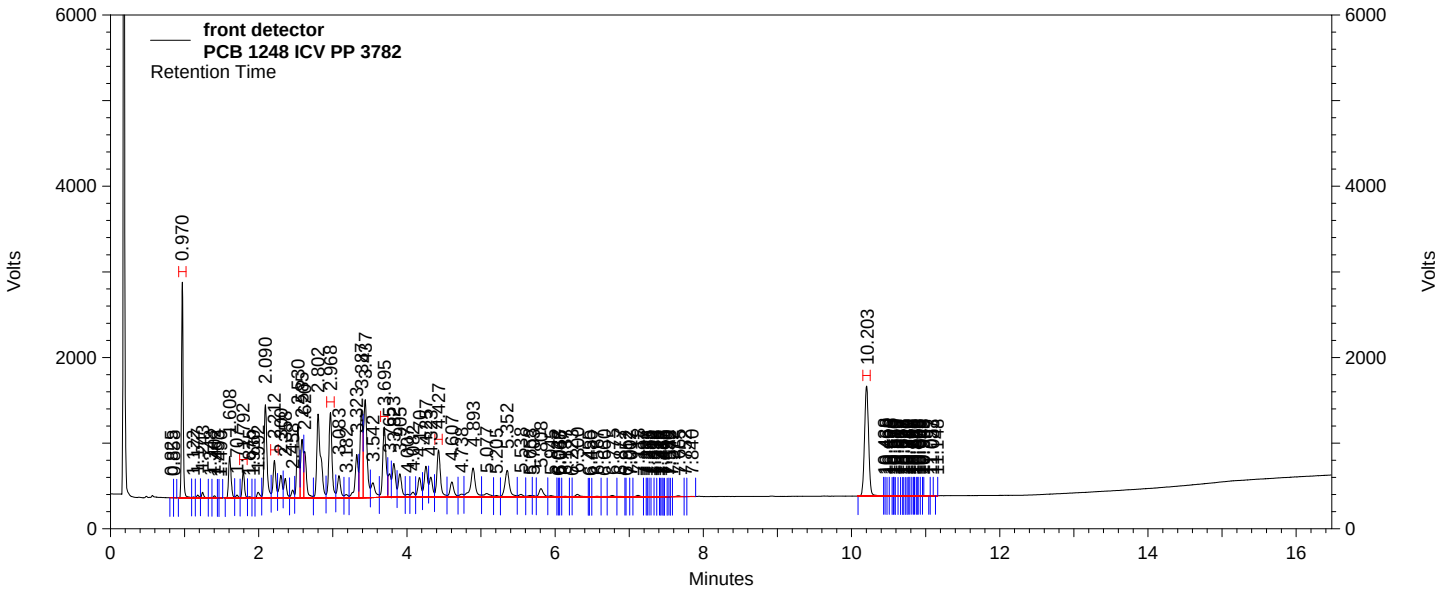
back detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMX	100.000	105.814	5.814	20.000	Passed
Aroclor 1248 #1	0.100	0.102	1.947	20.000	Passed
Aroclor 1248 #2	0.100	0.102	2.193	20.000	Passed
Aroclor 1248 #3	0.100	0.102	2.473	20.000	Passed
Aroclor 1248 #4	0.100	0.102	2.035	20.000	Passed
Aroclor 1248 #5	0.100	0.102	1.664	20.000	Passed
SURRDCB	100.000	105.966	5.966	20.000	Passed
Aroclor 1248	0.500	0.510	2.062	20.000	Passed

PCB Analysis Report (1248) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\021.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
User: JJY
Sample ID: PCB 1248 ICV PP 3782
Acquired: May 07,2013 14:36:45
Printed: May 07,2013 15:04:45

Data Summary: {Data Description}



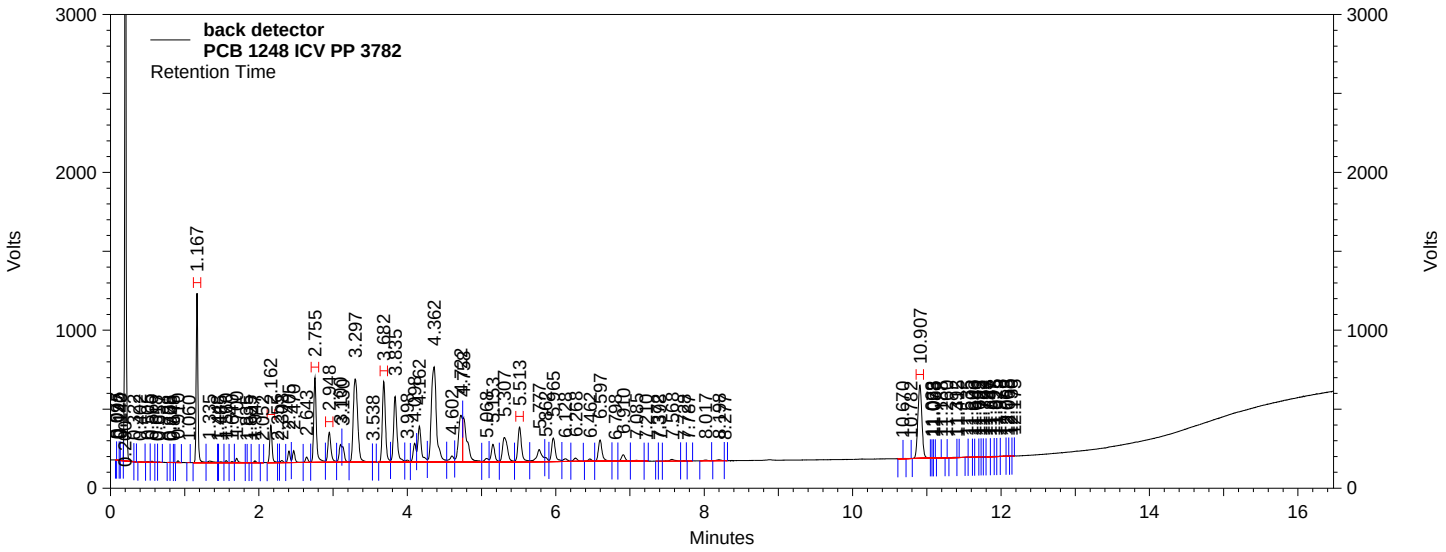
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	0.970	30117054	105.422
Aroclor 1248 #1	1.792	5082437	0.101
Aroclor 1248 #2	2.212	8609511	0.102
Aroclor 1248 #3	2.968	22276658	0.101
Aroclor 1248 #4	3.695	19735525	0.100
Aroclor 1248 #5	4.427	14328252	0.101
SURRDCB	10.203	37777842	105.225
Aroclor 1248		70032383	0.505

PCB Analysis Report (1248) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\021.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1248.met
User: JJY
Sample ID: PCB 1248 ICV PP 3782
Acquired: May 07,2013 14:36:45
Printed: May 07,2013 15:04:45

Data Summary: {Data Description}



back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	1.167	13145218	105.814
Aroclor 1248 #1	2.162	3914936	0.102
Aroclor 1248 #2	2.755	10256171	0.102
Aroclor 1248 #3	2.948	4224513	0.102
Aroclor 1248 #4	3.682	11429542	0.102
Aroclor 1248 #5	5.513	5673308	0.102
SURRDCB	10.907	13469681	105.966
Aroclor 1248		35498470	0.510

QC Check Standard Report

Sequence : C:\Instarch\Semi7\Sequence\050713pcbic.seq
User : JJY
Printed : May 09,2013 08:04:00

File	Sample ID	Acquired
C:\Instarch\Semi7\Data\050713pcbic\022.dat	PCB 1254 ICV PP 3753	May 09,2013 08:04:00

front detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMX	100.000	98.118	1.882	20.000	Passed
Aroclor 1254 #1	0.100	0.101	0.686	20.000	Passed
Aroclor 1254 #2	0.100	0.101	1.282	20.000	Passed
Aroclor 1254 #3	0.100	0.101	0.845	20.000	Passed
Aroclor 1254 #4	0.100	0.101	1.430	20.000	Passed
Aroclor 1254 #5	0.100	0.102	1.631	20.000	Passed
SURRDCB	100.000	100.033	0.033	20.000	Passed
Aroclor 1254	0.500	0.506	1.175	20.000	Passed

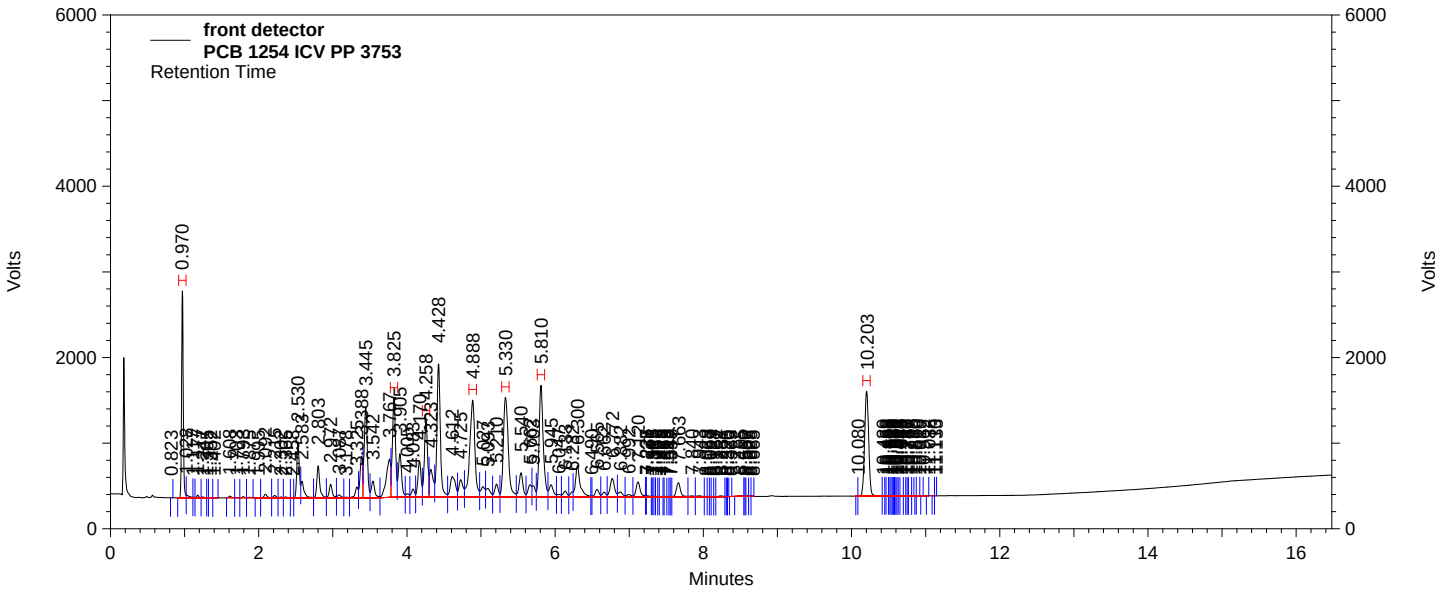
back detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMX	100.000	100.108	0.108	20.000	Passed
Aroclor 1254 #1	0.100	0.102	2.458	20.000	Passed
Aroclor 1254 #2	0.100	0.103	2.736	20.000	Passed
Aroclor 1254 #3	0.100	0.102	2.354	20.000	Passed
Aroclor 1254 #4	0.100	0.104	3.986	20.000	Passed
Aroclor 1254 #5	0.100	0.102	2.327	20.000	Passed
SURRDCB	100.000	100.856	0.856	20.000	Passed
Aroclor 1254	0.500	0.514	2.772	20.000	Passed

PCB Analysis Report (1254) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\022.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
User: JJY
Sample ID: PCB 1254 ICV PP 3753
Acquired: May 07,2013 14:56:20
Printed: May 09,2013 08:03:54

Data Summary: {Data Description}



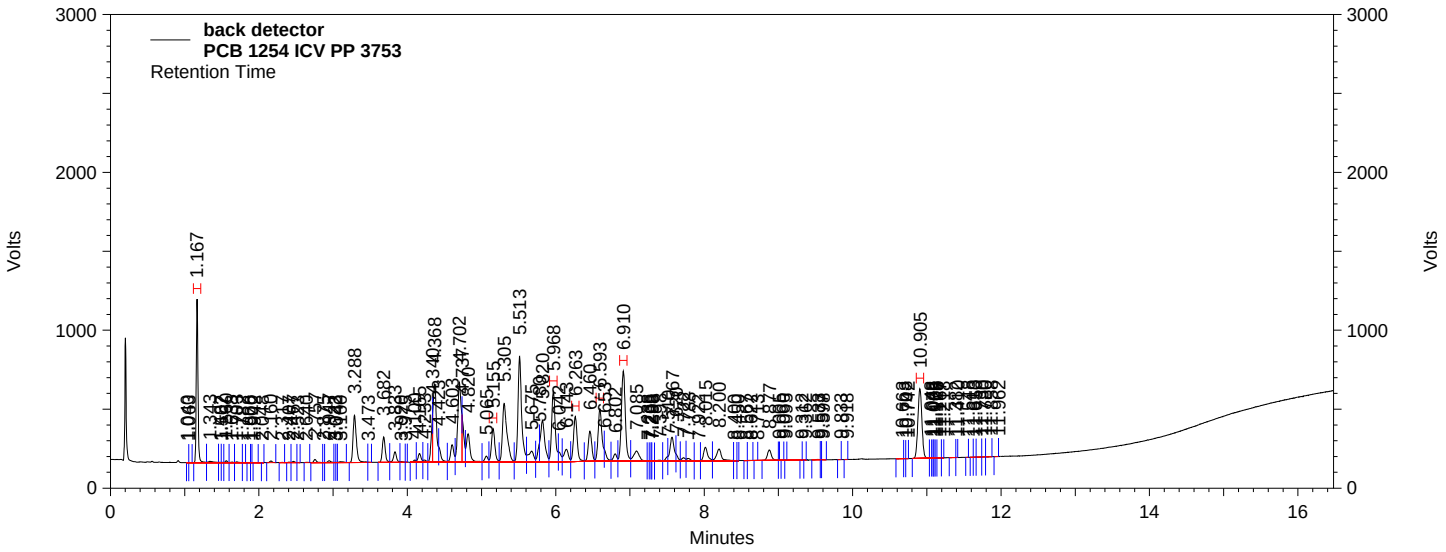
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	0.970	28859936	98.118
Aroclor 1254 #1	3.825	25947736	0.101
Aroclor 1254 #2	4.258	21072794	0.101
Aroclor 1254 #3	4.888	41994600	0.101
Aroclor 1254 #4	5.330	41349001	0.101
Aroclor 1254 #5	5.810	38634381	0.102
SURRDCB	10.203	35917887	100.033
Aroclor 1254		168998512	0.506

PCB Analysis Report (1254) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\022.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1254.met
User: JJY
Sample ID: PCB 1254 ICV PP 3753
Acquired: May 07,2013 14:56:20
Printed: May 09,2013 08:03:54

Data Summary: {Data Description}



back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	1.167	12757931	100.108
Aroclor 1254 #1	5.155	5205761	0.102
Aroclor 1254 #2	5.968	11502344	0.103
Aroclor 1254 #3	6.263	7454477	0.102
Aroclor 1254 #4	6.593	9158360	0.104
Aroclor 1254 #5	6.910	16166381	0.102
SURRDCB	10.905	12802866	100.856
Aroclor 1254		49487323	0.514

QC Check Standard Report

Sequence : C:\Instarch\Semi7\Sequence\050713pcbic.seq
User : JJY
Printed : May 08,2013 07:14:34

File	Sample ID	Acquired
C:\Instarch\Semi7\Data\050713pcbic\023.dat	PCB 1262 ICV PP 3783	May 08,2013 07:14:33

front detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMX	100.000	100.868	0.868	20.000	Passed
Aroclor 1262 #1	0.100	0.099	0.929	20.000	Passed
Aroclor 1262 #2	0.100	0.099	0.956	20.000	Passed
Aroclor 1262 #3	0.100	0.099	0.663	20.000	Passed
Aroclor 1262 #4	0.100	0.099	0.879	20.000	Passed
Aroclor 1262 #5	0.100	0.099	1.003	20.000	Passed
SURRDCB	100.000	101.157	1.157	20.000	Passed
Aroclor 1262	0.500	0.496	0.886	20.000	Passed

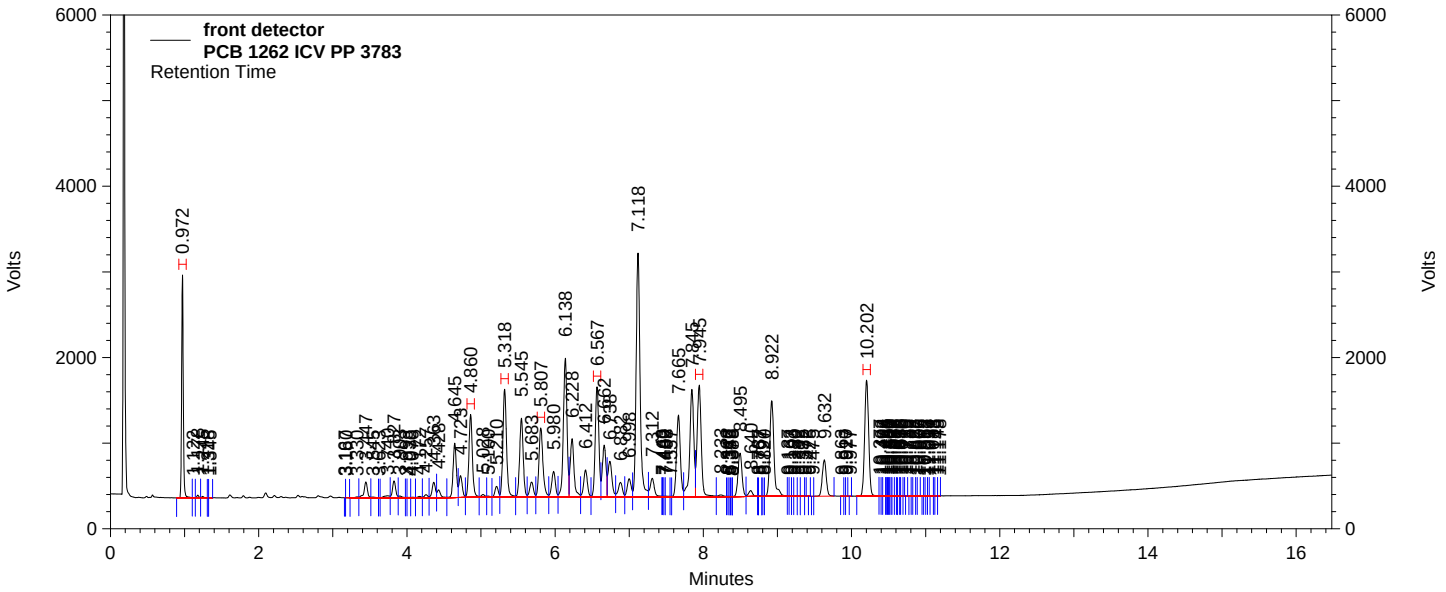
back detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMX	100.000	101.222	1.222	20.000	Passed
Aroclor 1262 #1	0.100	0.101	0.566	20.000	Passed
Aroclor 1262 #2	0.100	0.101	0.769	20.000	Passed
Aroclor 1262 #3	0.100	0.100	0.218	20.000	Passed
Aroclor 1262 #4	0.100	0.100	0.008	20.000	Passed
Aroclor 1262 #5	0.100	0.101	0.938	20.000	Passed
SURRDCB	100.000	102.615	2.615	20.000	Passed
Aroclor 1262	0.500	0.502	0.497	20.000	Passed

PCB Analysis Report (1262) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\023.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
User: JJY
Sample ID: PCB 1262 ICV PP 3783
Acquired: May 07,2013 15:16:01
Printed: May 08,2013 07:14:30

Data Summary: {Data Description}



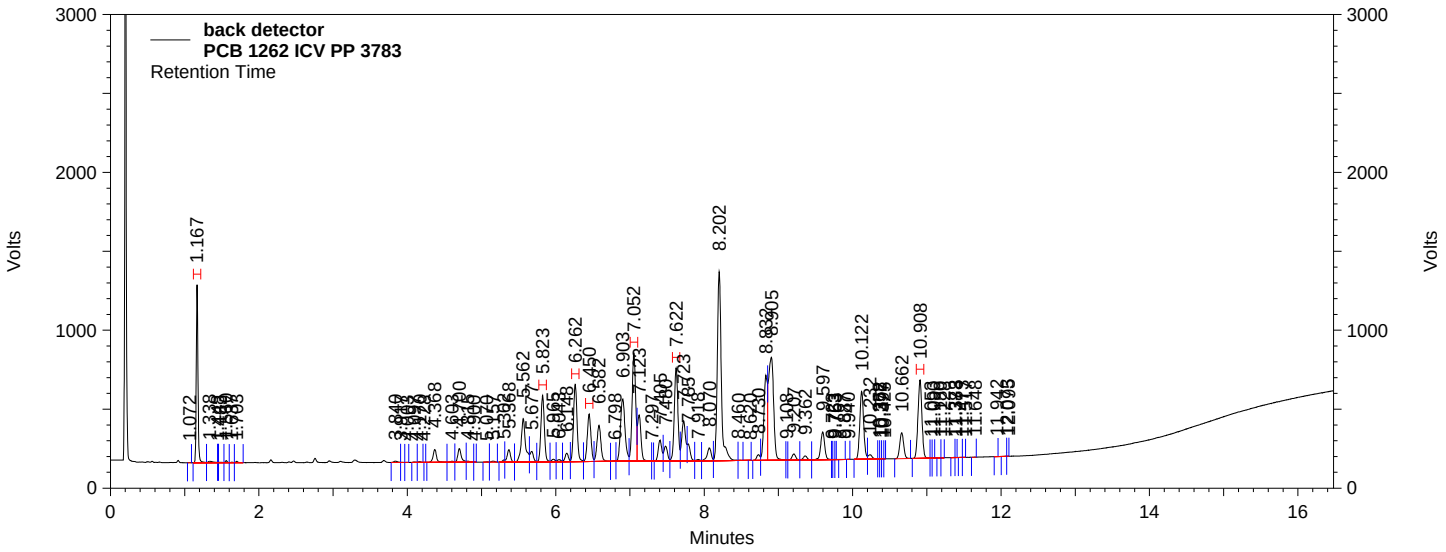
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	0.972	31076310	100.868
Aroclor 1262 #1	4.860	24453919	0.099
Aroclor 1262 #2	5.318	33646593	0.099
Aroclor 1262 #3	5.807	23245580	0.099
Aroclor 1262 #4	6.567	33220026	0.099
Aroclor 1262 #5	7.945	38322768	0.099
SURRDCB	10.202	39267188	101.157
Aroclor 1262		152888886	0.496

PCB Analysis Report (1262) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\023.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1262.met
User: JJY
Sample ID: PCB 1262 ICV PP 3783
Acquired: May 07,2013 15:16:01
Printed: May 08,2013 07:14:30

Data Summary: {Data Description}



back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	1.167	13703023	101.222
Aroclor 1262 #1	5.823	10306966	0.101
Aroclor 1262 #2	6.262	12433014	0.101
Aroclor 1262 #3	6.450	7797359	0.100
Aroclor 1262 #4	7.052	17704853	0.100
Aroclor 1262 #5	7.622	15311133	0.101
SURRDCB	10.908	14068158	102.615
Aroclor 1262		63553325	0.502

QC Check Standard Report

Sequence : C:\Instarch\Semi7\Sequence\050713pcbic.seq
User : JJY
Printed : May 08,2013 07:14:38

File	Sample ID	Acquired
C:\Instarch\Semi7\Data\050713pcbic\024.dat	PCB 1268 ICV PP 3764	May 08,2013 07:14:38

front detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMX	100.000	100.252	0.252	20.000	Passed
Aroclor 1268 #1	0.100	0.099	0.813	20.000	Passed
Aroclor 1268 #2	0.100	0.099	0.685	20.000	Passed
Aroclor 1268 #3	0.100	0.099	0.919	20.000	Passed
Aroclor 1268 #4	0.100	0.099	1.032	20.000	Passed
Aroclor 1268 #5	0.100	0.099	0.713	20.000	Passed
SURRDCB	100.000	99.397	0.603	20.000	Passed
Aroclor 1268	0.500	0.496	0.833	20.000	Passed

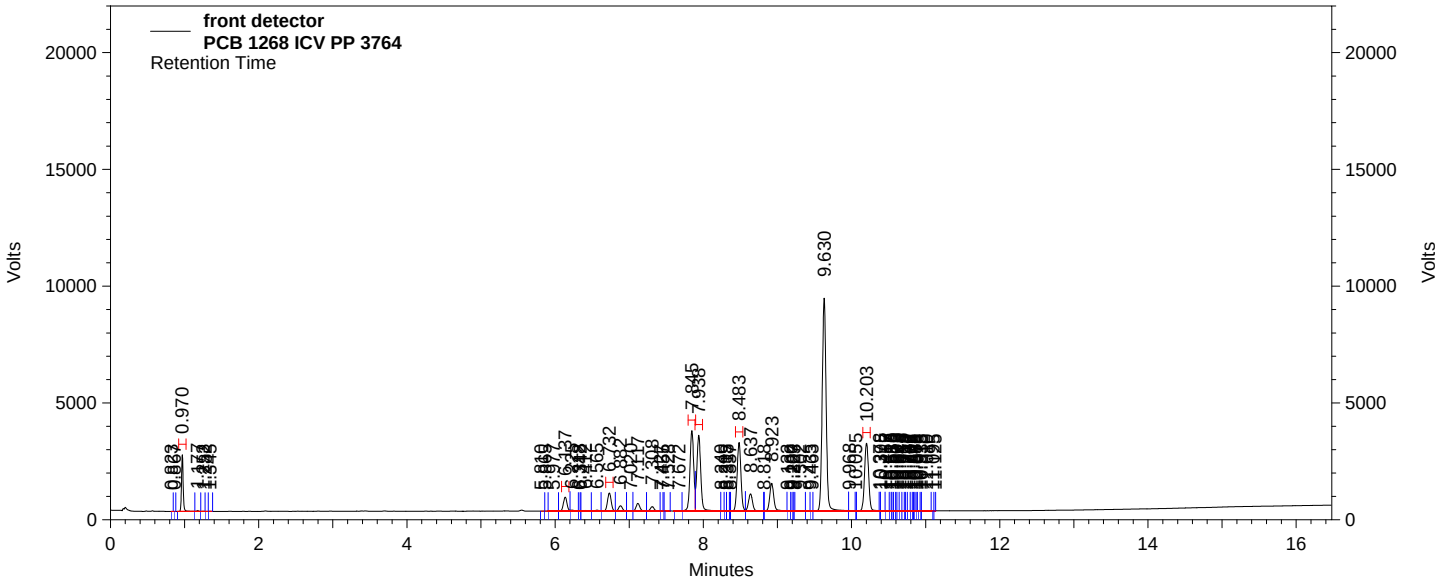
back detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMX	100.000	101.196	1.196	20.000	Passed
Aroclor 1268 #1	0.100	0.100	0.418	20.000	Passed
Aroclor 1268 #2	0.100	0.100	0.239	20.000	Passed
Aroclor 1268 #3	0.100	0.099	1.021	20.000	Passed
Aroclor 1268 #4	0.100	0.100	0.267	20.000	Passed
Aroclor 1268 #5	0.100	0.100	0.448	20.000	Passed
SURRDCB	100.000	100.286	0.286	20.000	Passed
Aroclor 1268	0.500	0.498	0.478	20.000	Passed

PCB Analysis Report (1268) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\024.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
User: JJY
Sample ID: PCB 1268 ICV PP 3764
Acquired: May 07,2013 15:35:37
Printed: May 08,2013 07:14:37

Data Summary: {Data Description}



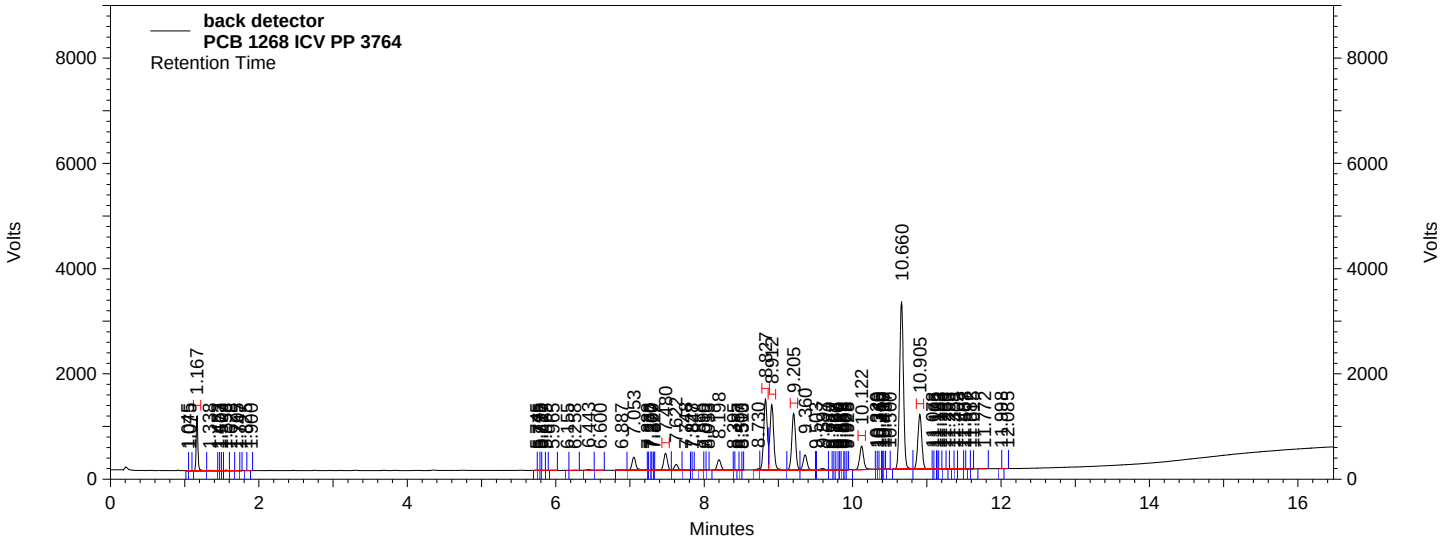
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	0.970	28996518	100.252
Aroclor 1268 #1	6.137	15642497	0.099
Aroclor 1268 #2	6.732	20761326	0.099
Aroclor 1268 #3	7.845	93311098	0.099
Aroclor 1268 #4	7.938	91846456	0.099
Aroclor 1268 #5	8.483	79829645	0.099
SURRDCB	10.203	85473927	99.397
Aroclor 1268		301391022	0.496

PCB Analysis Report (1268) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\050713pcbic\024.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\1268.met
User: JJY
Sample ID: PCB 1268 ICV PP 3764
Acquired: May 07,2013 15:35:37
Printed: May 08,2013 07:14:37

Data Summary: {Data Description}



back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMX	1.167	12706636	101.196
Aroclor 1268 #1	7.480	8645559	0.100
Aroclor 1268 #2	8.827	35518768	0.100
Aroclor 1268 #3	8.912	33738956	0.099
Aroclor 1268 #4	9.205	28952604	0.100
Aroclor 1268 #5	10.122	12932263	0.100
SURRDCB	10.905	29948858	100.286
Aroclor 1268		119788150	0.498

POLYCHLORINATED BIPHENYL CONTINUING AND ENDING STANDARDS DOCUMENTS

QC Check Standard Report

Sequence : C:\Instarch\Semi7\Sequence\082113pcb.seq
User : JJY
Printed : Aug 21,2013 09:44:03

File	Sample ID	Acquired
C:\Instarch\Semi7\Data\082113pcb\003.dat	PCB CCV PP 3822	Aug 21,2013 09:44:02

front detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPCB	100.000	96.714	3.286	20.000	Passed
Aroclor 1016 #1	0.100	0.101	0.785	20.000	Passed
Aroclor 1016 #2	0.100	0.100	0.063	20.000	Passed
Aroclor 1016 #3	0.100	0.099	1.070	20.000	Passed
Aroclor 1016 #4	0.100	0.103	2.928	20.000	Passed
Aroclor 1016 #5	0.100	0.101	1.483	20.000	Passed
Aroclor 1260 #1	0.100	0.103	2.606	20.000	Passed
Aroclor 1260 #2	0.100	0.102	2.015	20.000	Passed
Aroclor 1260 #3	0.100	0.102	1.880	20.000	Passed
Aroclor 1260 #4	0.100	0.103	2.591	20.000	Passed
Aroclor 1260 #5	0.100	0.103	3.472	20.000	Passed
SURRDCBPCB	100.000	102.805	2.805	20.000	Passed
Aroclor 1016	0.500	0.504	0.838	20.000	Passed
Aroclor 1260	0.500	0.513	2.513	20.000	Passed

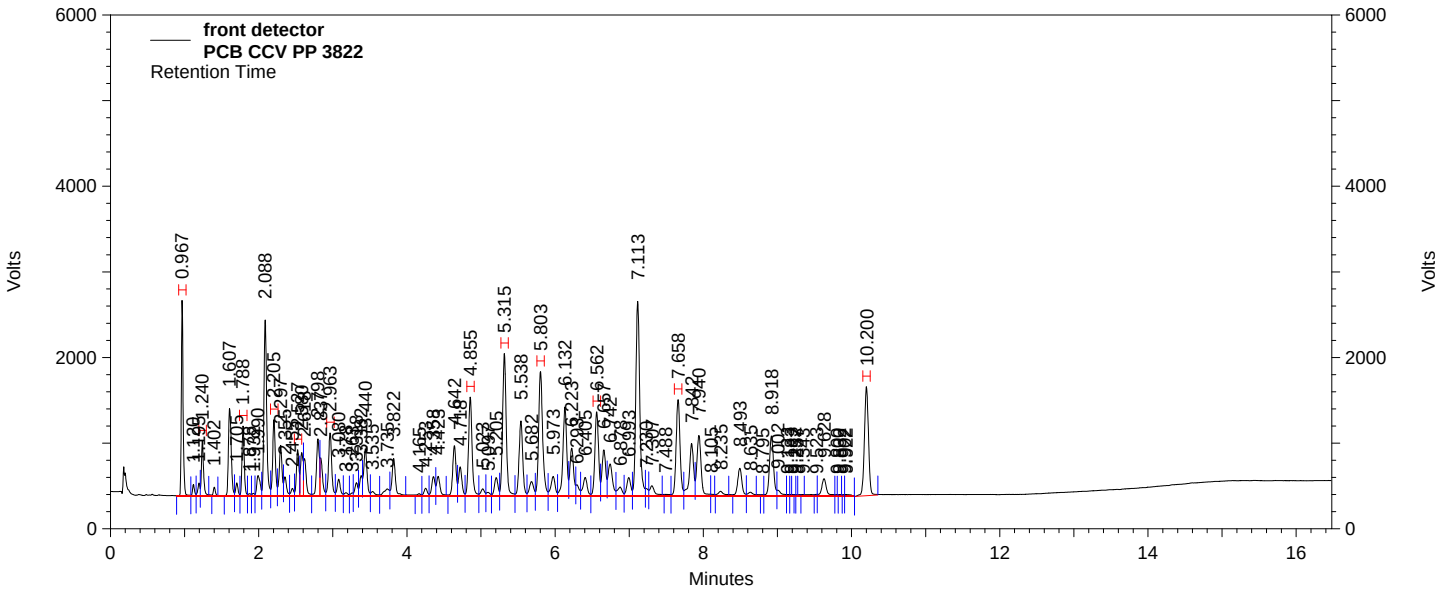
back detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPCB	100.000	87.580	12.420	20.000	Passed
Aroclor 1016 #1	0.100	0.089	10.706	20.000	Passed
Aroclor 1016 #2	0.100	0.089	10.890	20.000	Passed
Aroclor 1016 #3	0.100	0.090	9.727	20.000	Passed
Aroclor 1016 #4	0.100	0.090	10.450	20.000	Passed
Aroclor 1016 #5	0.100	0.089	11.321	20.000	Passed
Aroclor 1260 #1	0.100	0.090	9.851	20.000	Passed
Aroclor 1260 #2	0.100	0.090	9.768	20.000	Passed
Aroclor 1260 #3	0.100	0.090	9.770	20.000	Passed
Aroclor 1260 #4	0.100	0.091	9.412	20.000	Passed
Aroclor 1260 #5	0.100	0.091	8.936	20.000	Passed
SURRDCBPCB	100.000	94.111	5.889	20.000	Passed
Aroclor 1016	0.500	0.447	10.619	20.000	Passed
Aroclor 1260	0.500	0.452	9.548	20.000	Passed

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\082113pcb\003.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: PCB CCV PP 3822
Acquired: Aug 21,2013 09:26:39
Printed: Aug 21,2013 09:44:01

Data Summary: {Data Description}



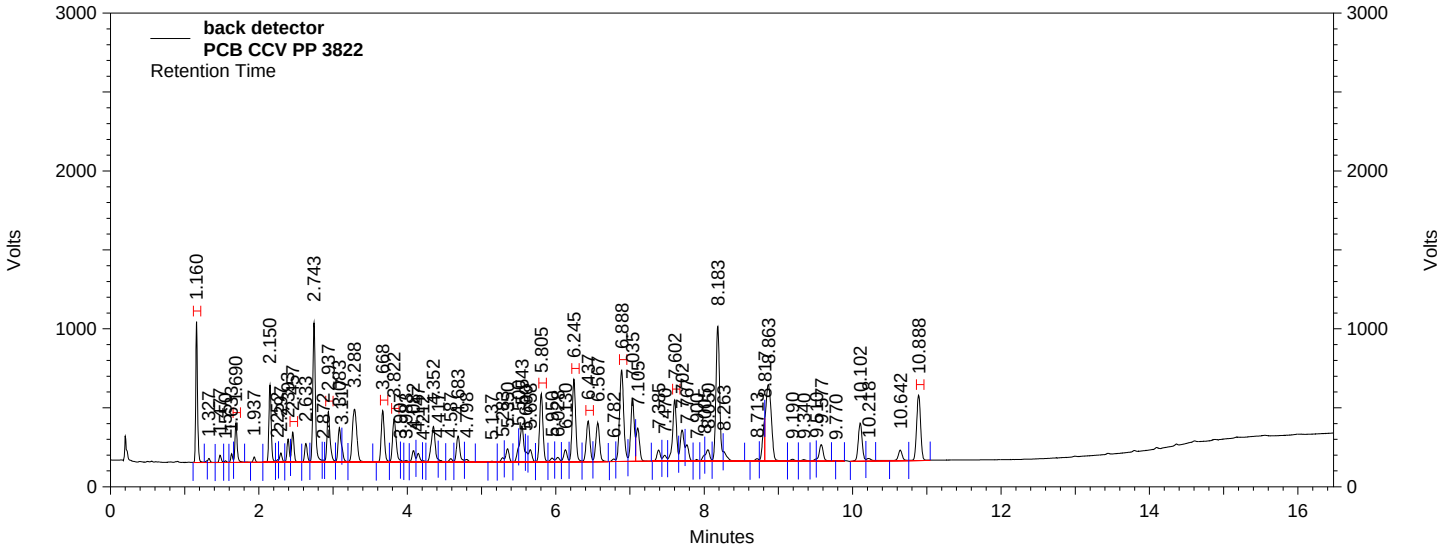
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	0.967	28939247	96.714
Aroclor 1016 #1	1.240	9867602	0.101
Aroclor 1016 #2	1.788	13180686	0.100
Aroclor 1016 #3	2.205	17184038	0.099
Aroclor 1016 #4	2.527	9873023	0.103
Aroclor 1016 #5	2.963	16713137	0.101
Aroclor 1260 #1	4.855	29559190	0.103
Aroclor 1260 #2	5.315	44117041	0.102
Aroclor 1260 #3	5.803	42367382	0.102
Aroclor 1260 #4	6.562	26094820	0.103
Aroclor 1260 #5	7.658	32300741	0.103
SURRDCBPCB	10.200	37604951	102.805
Aroclor 1016		66818486	0.504
Aroclor 1260		174439174	0.513

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\082113pcb\003.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: PCB CCV PP 3822
Acquired: Aug 21,2013 09:26:39
Printed: Aug 21,2013 09:44:01

Data Summary: {Data Description}



back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	1.160	11281228	87.580
Aroclor 1016 #1	1.690	3965289	0.089
Aroclor 1016 #2	2.457	3360536	0.089
Aroclor 1016 #3	2.937	7086656	0.090
Aroclor 1016 #4	3.668	7368718	0.090
Aroclor 1016 #5	3.822	7128079	0.089
Aroclor 1260 #1	5.805	10470984	0.090
Aroclor 1260 #2	6.245	12967702	0.090
Aroclor 1260 #3	6.437	6746866	0.090
Aroclor 1260 #4	6.888	17240205	0.091
Aroclor 1260 #5	7.602	10737463	0.091
SURRDCBPCB	10.888	11986311	94.111
Aroclor 1016		28909278	0.447
Aroclor 1260		58163220	0.452

QC Check Standard Report

Sequence : C:\Instarch\Semi7\Sequence\082113pcb.seq
User : JJY
Printed : Aug 21,2013 14:24:42

File	Sample ID	Acquired
C:\Instarch\Semi7\Data\082113pcb\013.dat	PCB CCV PP 3822	Aug 21,2013 14:24:42

front detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPCB	100.000	104.857	4.857	20.000	Passed
Aroclor 1016 #1	0.100	0.108	8.396	20.000	Passed
Aroclor 1016 #2	0.100	0.108	7.724	20.000	Passed
Aroclor 1016 #3	0.100	0.107	7.322	20.000	Passed
Aroclor 1016 #4	0.100	0.110	9.821	20.000	Passed
Aroclor 1016 #5	0.100	0.108	8.377	20.000	Passed
Aroclor 1260 #1	0.100	0.108	7.779	20.000	Passed
Aroclor 1260 #2	0.100	0.108	8.346	20.000	Passed
Aroclor 1260 #3	0.100	0.109	8.598	20.000	Passed
Aroclor 1260 #4	0.100	0.108	8.192	20.000	Passed
Aroclor 1260 #5	0.100	0.109	8.749	20.000	Passed
SURRDCBPCB	100.000	114.792	14.792	20.000	Passed
Aroclor 1016	0.500	0.542	8.328	20.000	Passed
Aroclor 1260	0.500	0.542	8.333	20.000	Passed

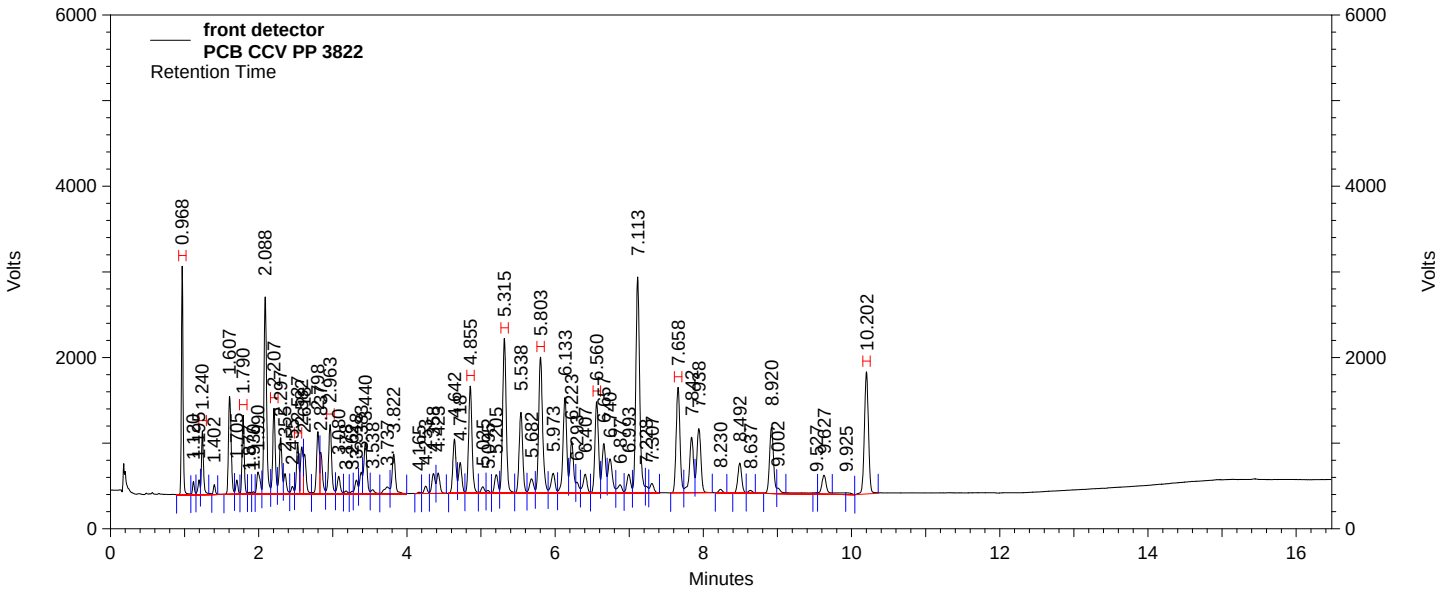
back detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPCB	100.000	96.637	3.363	20.000	Passed
Aroclor 1016 #1	0.100	0.099	0.624	20.000	Passed
Aroclor 1016 #2	0.100	0.100	0.099	20.000	Passed
Aroclor 1016 #3	0.100	0.101	1.362	20.000	Passed
Aroclor 1016 #4	0.100	0.100	0.030	20.000	Passed
Aroclor 1016 #5	0.100	0.102	1.898	20.000	Passed
Aroclor 1260 #1	0.100	0.101	1.394	20.000	Passed
Aroclor 1260 #2	0.100	0.102	1.937	20.000	Passed
Aroclor 1260 #3	0.100	0.102	2.389	20.000	Passed
Aroclor 1260 #4	0.100	0.102	2.130	20.000	Passed
Aroclor 1260 #5	0.100	0.103	3.169	20.000	Passed
SURRDCBPCB	100.000	106.692	6.692	20.000	Passed
Aroclor 1016	0.500	0.503	0.541	20.000	Passed
Aroclor 1260	0.500	0.511	2.204	20.000	Passed

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\082113pcb\013.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: PCB CCV PP 3822
Acquired: Aug 21,2013 13:46:53
Printed: Aug 21,2013 14:24:38

Data Summary: {Data Description}



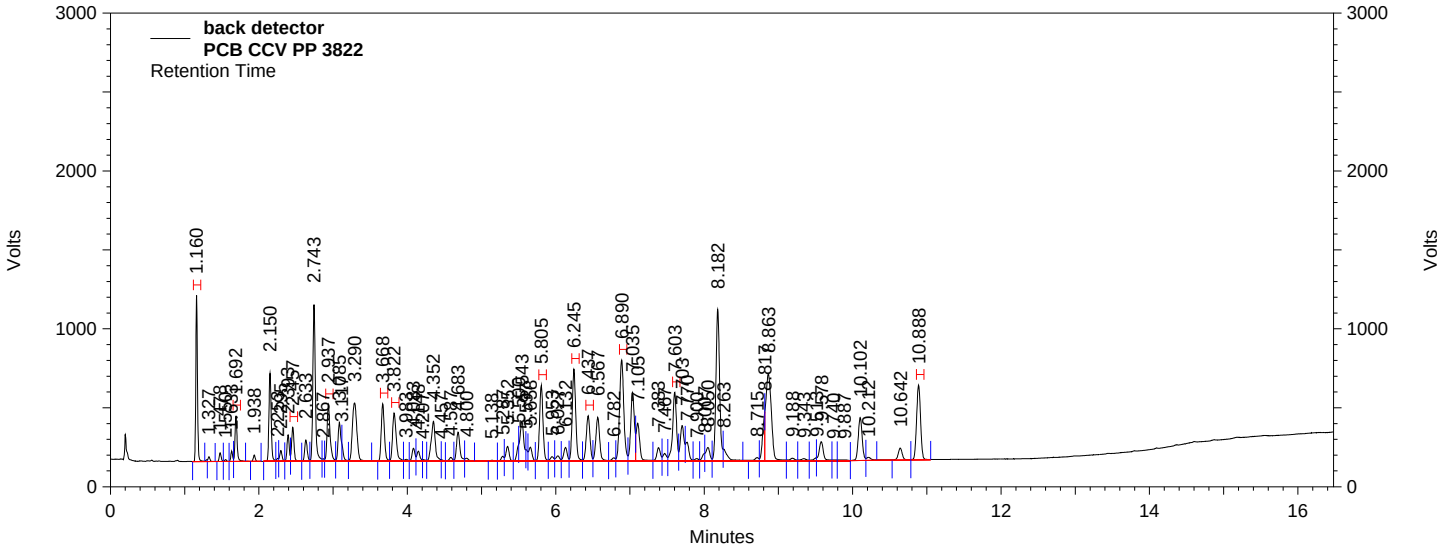
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	0.968	31354613	104.857
Aroclor 1016 #1	1.240	10600361	0.108
Aroclor 1016 #2	1.790	14174067	0.108
Aroclor 1016 #3	2.207	18616056	0.107
Aroclor 1016 #4	2.527	10521652	0.110
Aroclor 1016 #5	2.963	17833459	0.108
Aroclor 1260 #1	4.855	31014523	0.108
Aroclor 1260 #2	5.315	46800046	0.108
Aroclor 1260 #3	5.803	45118471	0.109
Aroclor 1260 #4	6.560	27496575	0.108
Aroclor 1260 #5	7.658	33928616	0.109
SURRDCBPCB	10.202	41892527	114.792
Aroclor 1016		71745595	0.542
Aroclor 1260		184358231	0.542

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\082113pcb\013.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: PCB CCV PP 3822
Acquired: Aug 21,2013 13:46:53
Printed: Aug 21,2013 14:24:38

Data Summary: {Data Description}



back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	1.160	12439968	96.637
Aroclor 1016 #1	1.692	4403165	0.099
Aroclor 1016 #2	2.457	3769845	0.100
Aroclor 1016 #3	2.937	7945531	0.101
Aroclor 1016 #4	3.668	8213879	0.100
Aroclor 1016 #5	3.822	8174621	0.102
Aroclor 1260 #1	5.805	11749584	0.101
Aroclor 1260 #2	6.245	14622416	0.102
Aroclor 1260 #3	6.437	7643896	0.102
Aroclor 1260 #4	6.890	19405160	0.102
Aroclor 1260 #5	7.603	12141419	0.103
SURRDCBPCB	10.888	13537606	106.692
Aroclor 1016		32507041	0.503
Aroclor 1260		65562475	0.511

POLYCHLORINATED BIPHENYL QUALITY CONTROL DOCUMENTS

QC Check Standard Report

Sequence : C:\Instarch\Semi7\Sequence\082113pcb.seq
User : JJY
Printed : Aug 21,2013 11:08:07

File	Sample ID	Acquired
C:\Instarch\Semi7\Data\082113pcb\004.dat	PCB MRL PP 3785	Aug 21,2013 11:08:07

front detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPCB	6.000	5.722	4.634	30.000	Passed
Aroclor 1016 #1	0.006	0.006	6.094	30.000	Passed
Aroclor 1016 #2	0.006	0.006	2.912	30.000	Passed
Aroclor 1016 #3	0.006	0.006	4.649	30.000	Passed
Aroclor 1016 #4	0.006	0.006	0.342	30.000	Passed
Aroclor 1016 #5	0.006	0.006	2.515	30.000	Passed
Aroclor 1260 #1	0.006	0.005	9.530	30.000	Passed
Aroclor 1260 #2	0.006	0.005	9.602	30.000	Passed
Aroclor 1260 #3	0.006	0.006	7.341	30.000	Passed
Aroclor 1260 #4	0.006	0.005	12.402	30.000	Passed
Aroclor 1260 #5	0.006	0.006	4.002	30.000	Passed
SURRDCBPCB	6.000	4.992	16.808	30.000	Passed
Aroclor 1016	0.030	0.029	3.165	30.000	Passed
Aroclor 1260	0.030	0.027	8.575	30.000	Passed

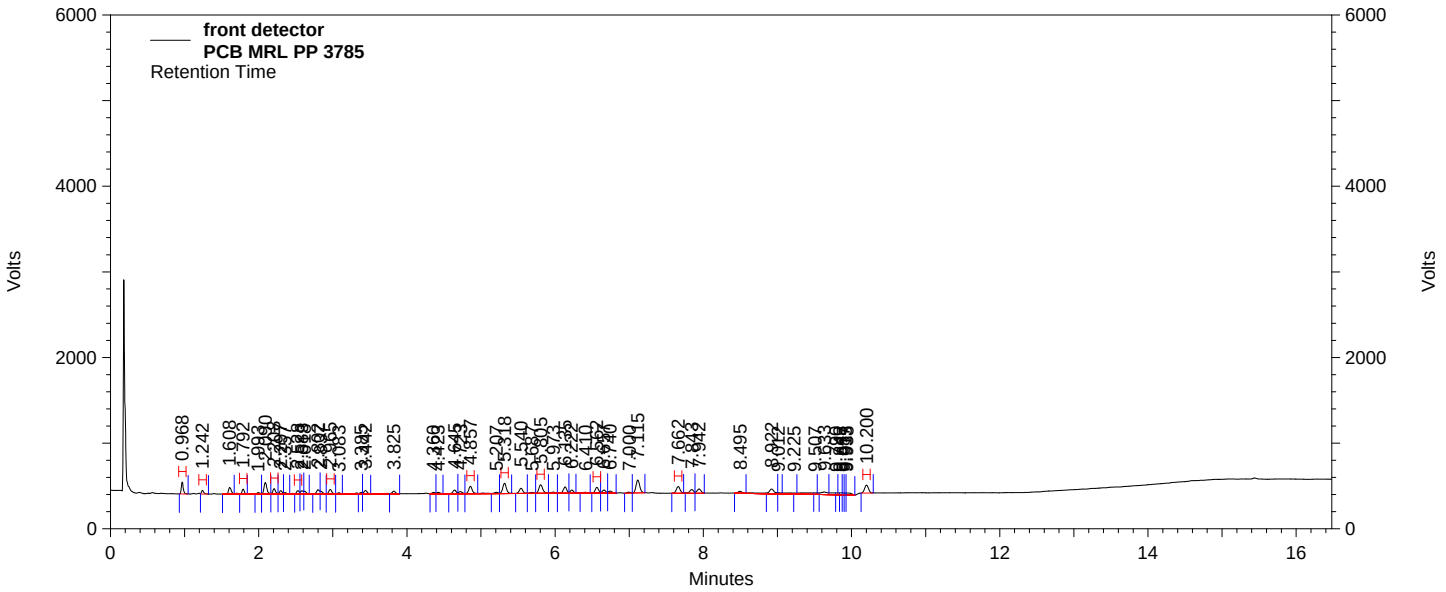
back detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPCB	6.000	4.875	18.754	30.000	Passed
Aroclor 1016 #1	0.006	0.005	24.663	30.000	Passed
Aroclor 1016 #2	0.006	0.005	16.018	30.000	Passed
Aroclor 1016 #3	0.006	0.005	16.622	30.000	Passed
Aroclor 1016 #4	0.006	0.005	23.731	30.000	Passed
Aroclor 1016 #5	0.006	0.005	24.321	30.000	Passed
Aroclor 1260 #1	0.006	0.004	29.358	30.000	Passed
Aroclor 1260 #2	0.006	0.005	23.680	30.000	Passed
Aroclor 1260 #3	0.006	0.005	22.887	30.000	Passed
Aroclor 1260 #4	0.006	0.005	22.647	30.000	Passed
Aroclor 1260 #5	0.006	0.005	23.777	30.000	Passed
SURRDCBPCB	6.000	5.097	15.044	30.000	Passed
Aroclor 1016	0.030	0.024	21.071	30.000	Passed
Aroclor 1260	0.030	0.023	24.470	30.000	Passed

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\082113pcb\004.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: PCB MRL PP 3785
Acquired: Aug 21,2013 10:49:57
Printed: Aug 21,2013 11:08:04

Data Summary: {Data Description}



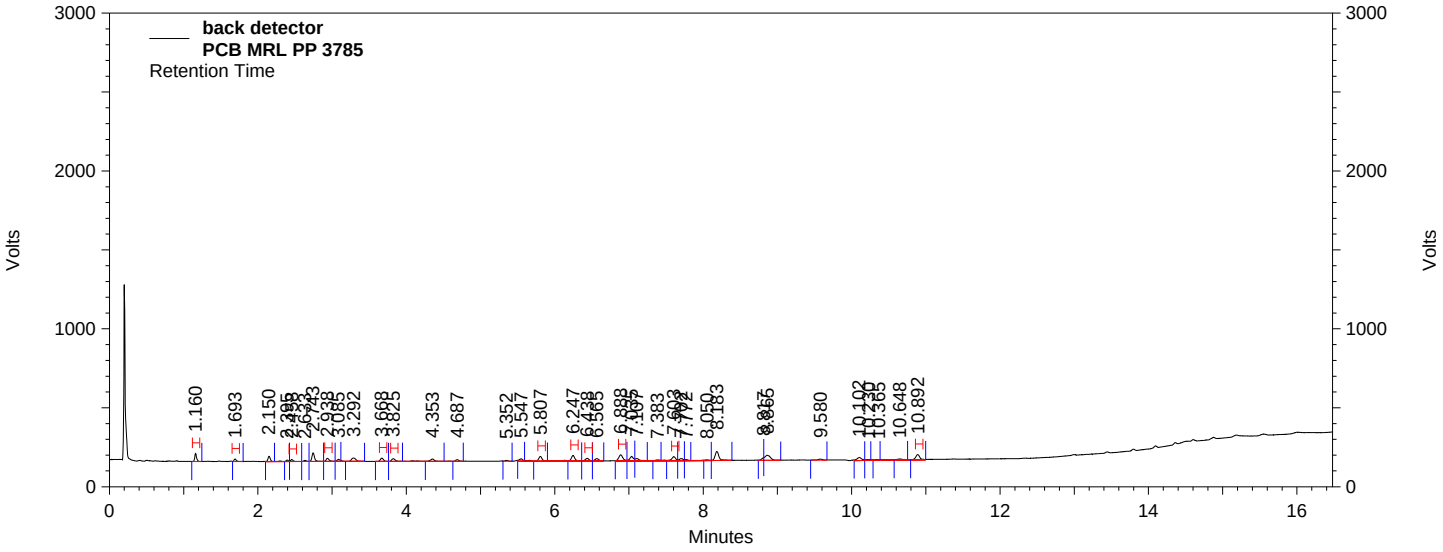
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	0.968	1948609	5.722
Aroclor 1016 #1	1.242	707510	0.006
Aroclor 1016 #2	1.792	961236	0.006
Aroclor 1016 #3	2.208	1278207	0.006
Aroclor 1016 #4	2.528	754618	0.006
Aroclor 1016 #5	2.965	1171823	0.006
Aroclor 1260 #1	4.857	2221295	0.005
Aroclor 1260 #2	5.318	3183555	0.005
Aroclor 1260 #3	5.805	2918602	0.006
Aroclor 1260 #4	6.562	1735728	0.005
Aroclor 1260 #5	7.662	2162913	0.006
SURRDCBPCB	10.200	2620087	4.992
Aroclor 1016		4873394	0.029
Aroclor 1260		12222093	0.027

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\082113pcb\004.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: PCB MRL PP 3785
Acquired: Aug 21,2013 10:49:57
Printed: Aug 21,2013 11:08:04

Data Summary: {Data Description}



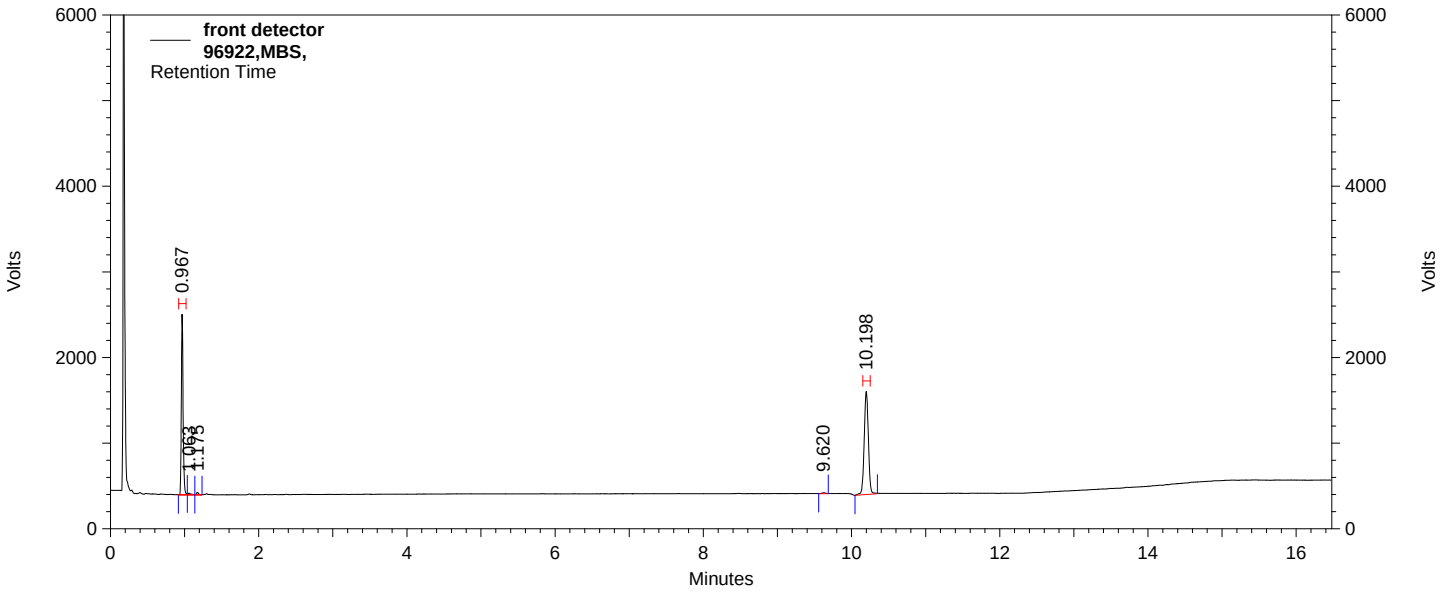
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	1.160	699916	4.875
Aroclor 1016 #1	1.693	283197	0.005
Aroclor 1016 #2	2.458	229344	0.005
Aroclor 1016 #3	2.938	482037	0.005
Aroclor 1016 #4	3.668	476082	0.005
Aroclor 1016 #5	3.825	466988	0.005
Aroclor 1260 #1	5.807	702979	0.004
Aroclor 1260 #2	6.247	859458	0.005
Aroclor 1260 #3	6.438	431652	0.005
Aroclor 1260 #4	6.888	1119162	0.005
Aroclor 1260 #5	7.603	706226	0.005
SURRDCBPCB	10.892	1010399	5.097
Aroclor 1016		1937648	0.024
Aroclor 1260		3819477	0.023

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\082113pcb\008.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: 96922,MBS,
Acquired: Aug 21,2013 12:08:31
Printed: Aug 21,2013 13:51:14

Data Summary: {Data Description}



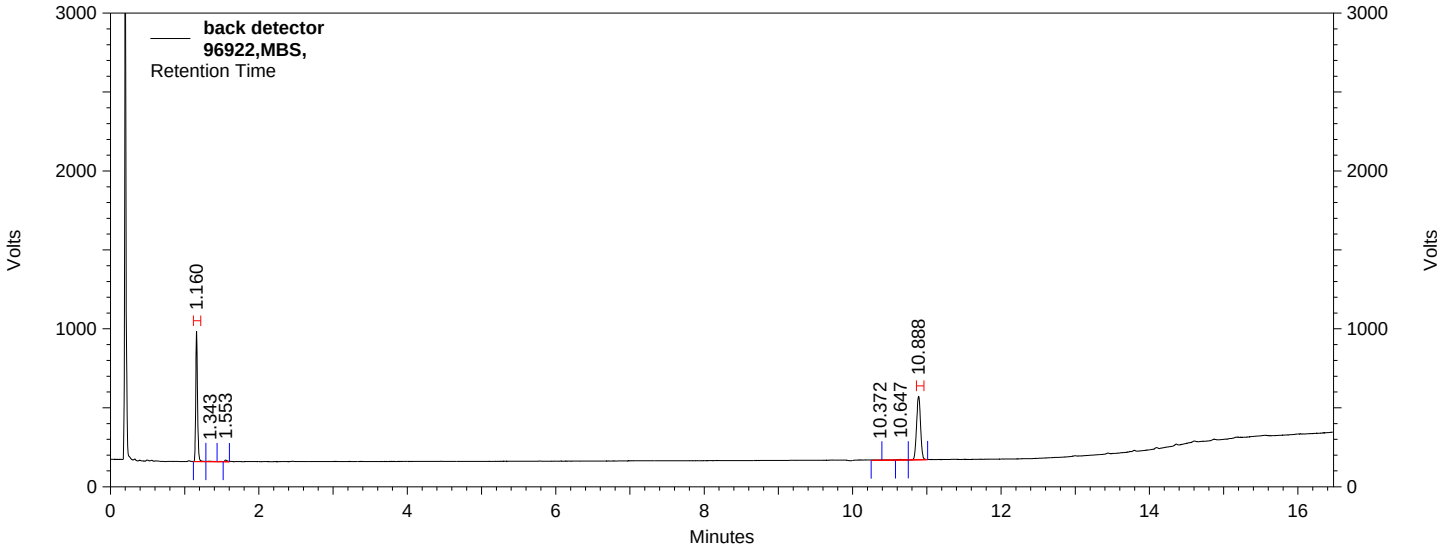
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	0.967	26394326	88.134
Aroclor 1016 #1			0.000 BDL
Aroclor 1016 #2			0.000 BDL
Aroclor 1016 #3			0.000 BDL
Aroclor 1016 #4			0.000 BDL
Aroclor 1016 #5			0.000 BDL
Aroclor 1260 #1			0.000 BDL
Aroclor 1260 #2			0.000 BDL
Aroclor 1260 #3			0.000 BDL
Aroclor 1260 #4			0.000 BDL
Aroclor 1260 #5			0.000 BDL
SURRDCBPCB	10.198	36208964	98.902
Aroclor 1016		0	0.000
Aroclor 1260		0	0.000

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\082113pcb\008.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: 96922,MBS,
Acquired: Aug 21,2013 12:08:31
Printed: Aug 21,2013 13:51:14

Data Summary: {Data Description}



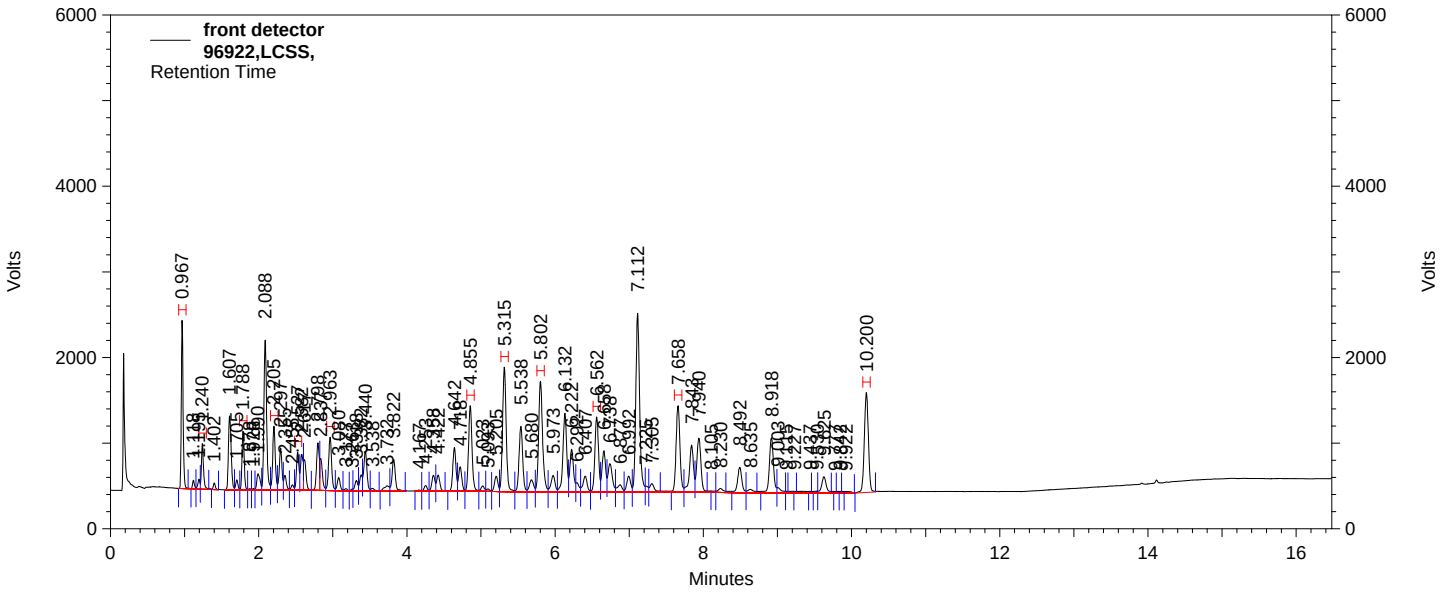
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	1.160	10520522	81.634
Aroclor 1016 #1			0.000 BDL
Aroclor 1016 #2			0.000 BDL
Aroclor 1016 #3			0.000 BDL
Aroclor 1016 #4			0.000 BDL
Aroclor 1016 #5			0.000 BDL
Aroclor 1260 #1			0.000 BDL
Aroclor 1260 #2			0.000 BDL
Aroclor 1260 #3			0.000 BDL
Aroclor 1260 #4			0.000 BDL
Aroclor 1260 #5			0.000 BDL
SURRDCBPCB	10.888	11435569	89.645
Aroclor 1016		0	0.000
Aroclor 1260		0	0.000

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\082113pcb\009.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: 96922,LCSS,
Acquired: Aug 21,2013 12:28:12
Printed: Aug 21,2013 13:51:16

Data Summary: {Data Description}



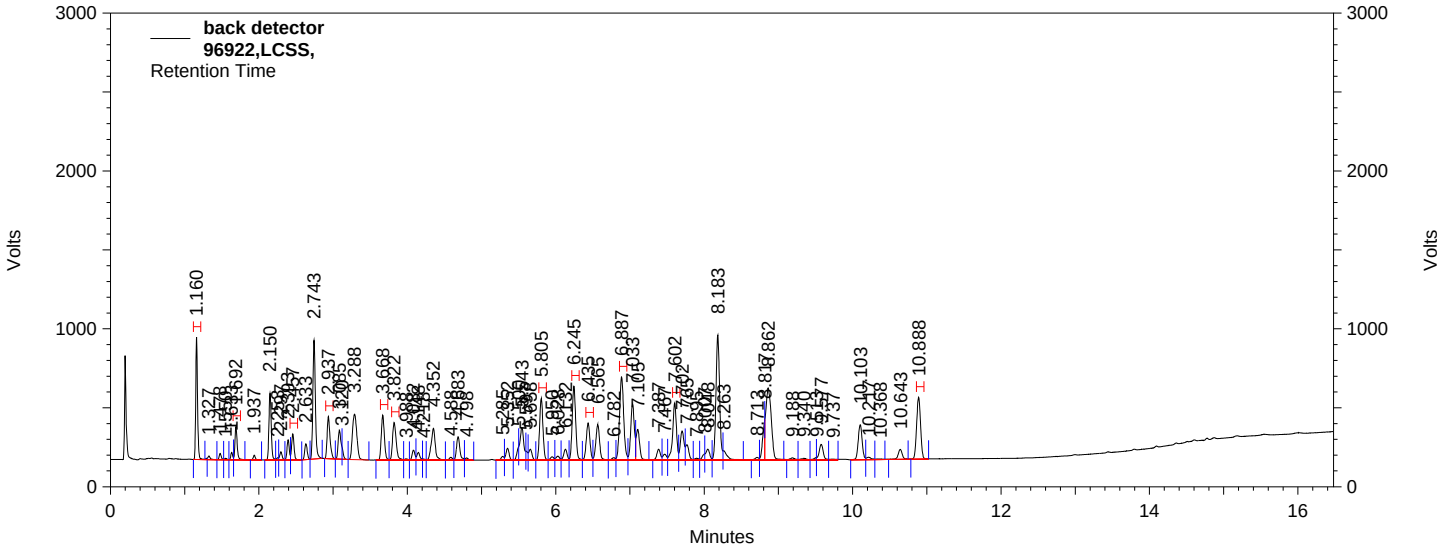
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	0.967	24992319	83.408
Aroclor 1016 #1	1.240	7993757	0.081
Aroclor 1016 #2	1.788	10818707	0.082
Aroclor 1016 #3	2.205	14093538	0.081
Aroclor 1016 #4	2.527	8064671	0.084
Aroclor 1016 #5	2.963	13575341	0.082
Aroclor 1260 #1	4.855	25105505	0.087
Aroclor 1260 #2	5.315	38031256	0.088
Aroclor 1260 #3	5.802	36593400	0.088
Aroclor 1260 #4	6.562	22838976	0.090
Aroclor 1260 #5	7.658	28452396	0.091
SURRDCBPCB	10.200	34338723	93.673
Aroclor 1016		54546014	0.410
Aroclor 1260		151021533	0.443

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\082113pcb\009.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: 96922,LCSS,
Acquired: Aug 21,2013 12:28:12
Printed: Aug 21,2013 13:51:16

Data Summary: {Data Description}



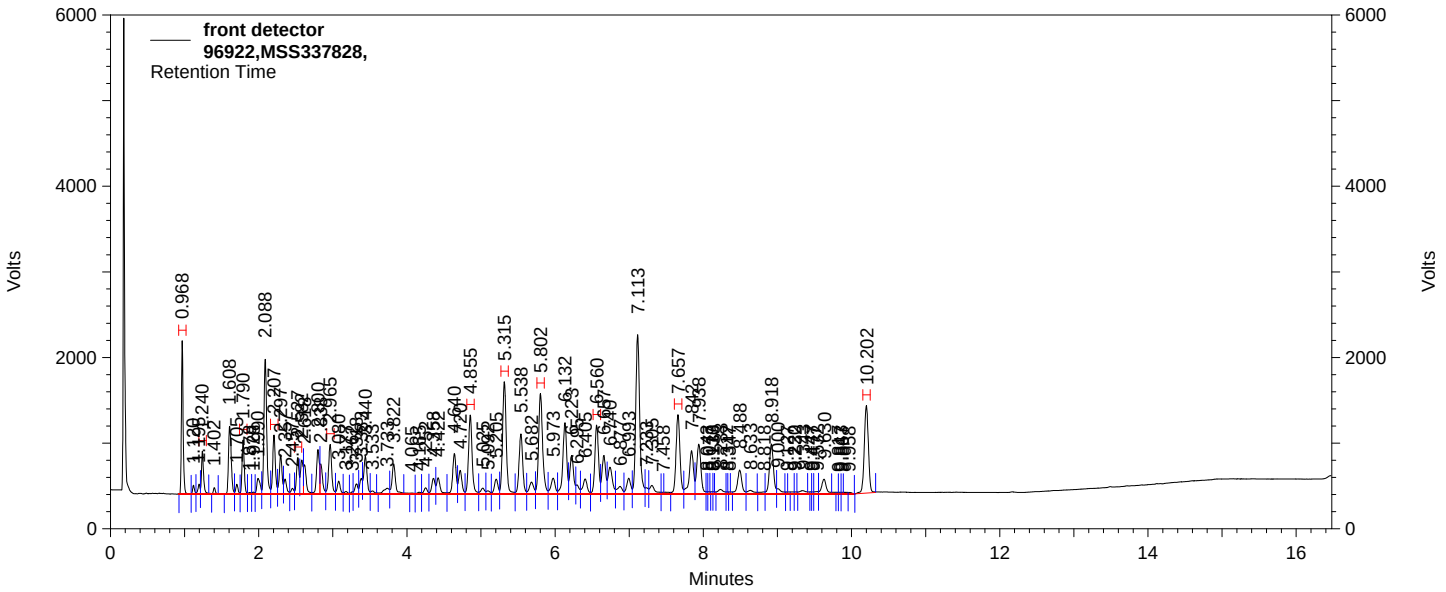
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	1.160	9973025	77.355
Aroclor 1016 #1	1.692	3381348	0.076
Aroclor 1016 #2	2.457	2880812	0.076
Aroclor 1016 #3	2.937	5592896	0.071
Aroclor 1016 #4	3.668	6335615	0.077
Aroclor 1016 #5	3.822	6275599	0.078
Aroclor 1260 #1	5.805	9492667	0.082
Aroclor 1260 #2	6.245	11815889	0.082
Aroclor 1260 #3	6.435	6179646	0.083
Aroclor 1260 #4	6.887	15765527	0.083
Aroclor 1260 #5	7.602	9968209	0.084
SURRDCBPCB	10.888	11202543	87.755
Aroclor 1016		24466270	0.378
Aroclor 1260		53221938	0.413

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\082113pcb\011.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: 96922,MSS337828,
Acquired: Aug 21,2013 13:07:32
Printed: Aug 21,2013 13:51:20

Data Summary: {Data Description}



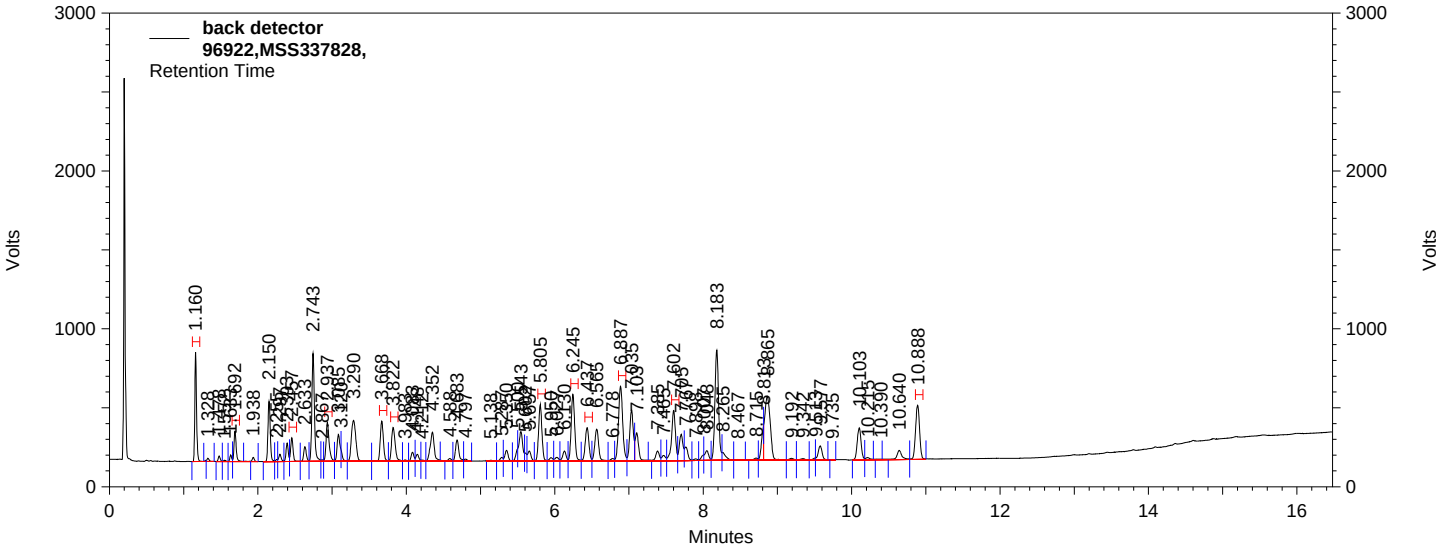
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	0.968	22100321	73.658
Aroclor 1016 #1	1.240	7565800	0.077
Aroclor 1016 #2	1.790	10092119	0.076
Aroclor 1016 #3	2.207	13328918	0.076
Aroclor 1016 #4	2.527	7890388	0.082
Aroclor 1016 #5	2.965	13047649	0.079
Aroclor 1260 #1	4.855	23963460	0.083
Aroclor 1260 #2	5.315	35228012	0.081
Aroclor 1260 #3	5.802	33914188	0.081
Aroclor 1260 #4	6.560	21217636	0.083
Aroclor 1260 #5	7.657	26395681	0.084
SURRDCBPCB	10.202	30476260	82.874
Aroclor 1016		51924874	0.390
Aroclor 1260		140718977	0.412

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\082113pcb\011.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: 96922,MSS337828,
Acquired: Aug 21,2013 13:07:32
Printed: Aug 21,2013 13:51:20

Data Summary: {Data Description}



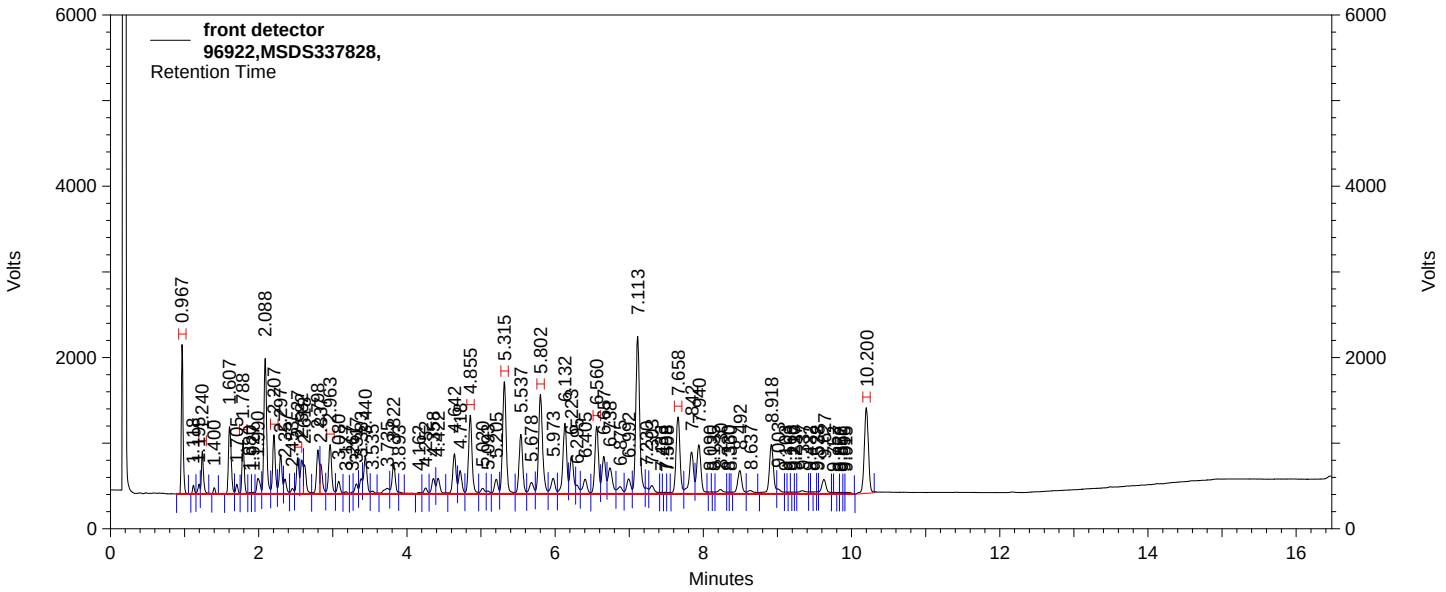
back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	1.160	8565160	66.351
Aroclor 1016 #1	1.692	3038238	0.068
Aroclor 1016 #2	2.457	2603784	0.069
Aroclor 1016 #3	2.937	5511626	0.070
Aroclor 1016 #4	3.668	5729414	0.069
Aroclor 1016 #5	3.822	5629269	0.070
Aroclor 1260 #1	5.805	8525367	0.073
Aroclor 1260 #2	6.245	10607458	0.074
Aroclor 1260 #3	6.437	5575891	0.074
Aroclor 1260 #4	6.887	14138350	0.074
Aroclor 1260 #5	7.602	8874558	0.075
SURRDCBPCB	10.888	9945840	77.563
Aroclor 1016		22512331	0.346
Aroclor 1260		47721624	0.370

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\082113pcb\012.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: 96922,MSDS337828,
Acquired: Aug 21,2013 13:27:11
Printed: Aug 21,2013 13:51:22

Data Summary: {Data Description}



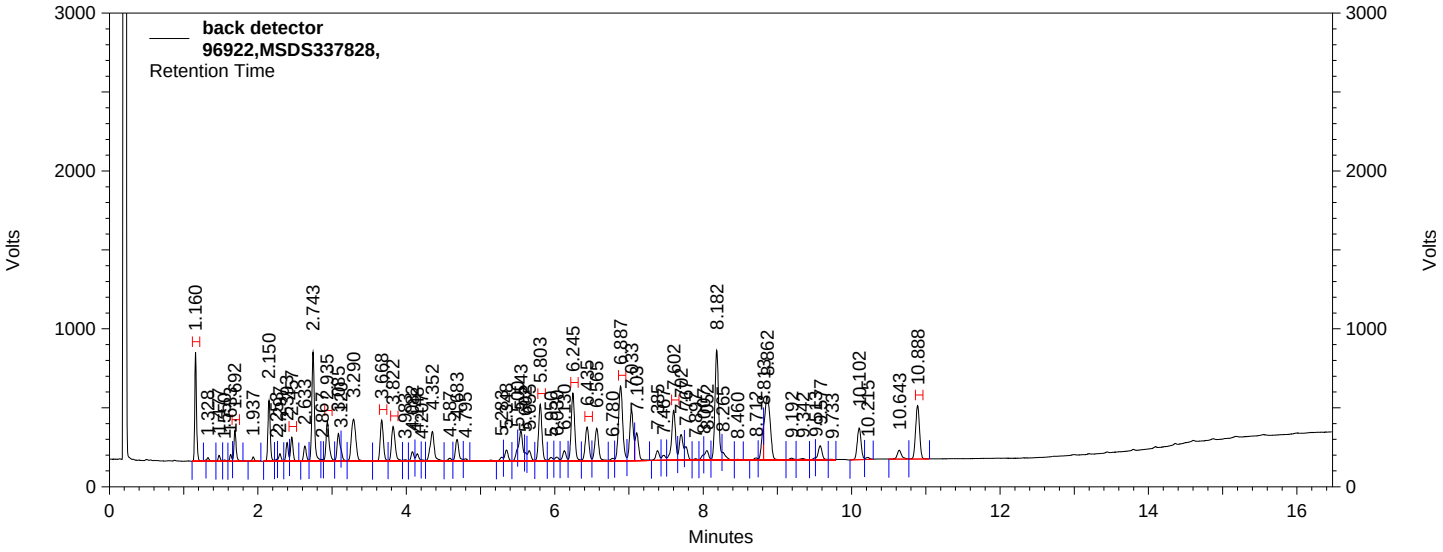
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	0.967	21971911	73.225
Aroclor 1016 #1	1.240	7649114	0.078
Aroclor 1016 #2	1.788	10097123	0.076
Aroclor 1016 #3	2.207	13320505	0.076
Aroclor 1016 #4	2.527	7773317	0.081
Aroclor 1016 #5	2.963	12972626	0.078
Aroclor 1260 #1	4.855	23713687	0.082
Aroclor 1260 #2	5.315	34918259	0.080
Aroclor 1260 #3	5.802	33548787	0.080
Aroclor 1260 #4	6.560	20965198	0.082
Aroclor 1260 #5	7.658	26093519	0.083
SURRDCBPCB	10.200	29834078	81.078
Aroclor 1016		51812685	0.389
Aroclor 1260		139239450	0.408

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\082113pcb\012.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: 96922,MSDS337828,
Acquired: Aug 21,2013 13:27:11
Printed: Aug 21,2013 13:51:22

Data Summary: {Data Description}



back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	1.160	8660699	67.098
Aroclor 1016 #1	1.692	3116663	0.070
Aroclor 1016 #2	2.457	2661443	0.070
Aroclor 1016 #3	2.935	5651932	0.072
Aroclor 1016 #4	3.668	5819698	0.070
Aroclor 1016 #5	3.822	5738715	0.071
Aroclor 1260 #1	5.803	8571589	0.073
Aroclor 1260 #2	6.245	10679021	0.074
Aroclor 1260 #3	6.435	5631535	0.075
Aroclor 1260 #4	6.887	14195779	0.074
Aroclor 1260 #5	7.602	8878148	0.075
SURRDCBPCB	10.888	9612258	74.858
Aroclor 1016		22988451	0.353
Aroclor 1260		47956072	0.372

QC Check Standard Report

Sequence : C:\Instarch\Semi7\Sequence\082113pcb.seq
User : JJY
Printed : Aug 21,2013 14:24:47

File	Sample ID	Acquired
C:\Instarch\Semi7\Data\082113pcb\014.dat	PCB MRL PP 3785	Aug 21,2013 14:24:47

front detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPCB	6.000	6.747	12.455	30.000	Passed
Aroclor 1016 #1	0.006	0.007	18.771	30.000	Passed
Aroclor 1016 #2	0.006	0.007	20.626	30.000	Passed
Aroclor 1016 #3	0.006	0.007	20.987	30.000	Passed
Aroclor 1016 #4	0.006	0.007	24.487	30.000	Passed
Aroclor 1016 #5	0.006	0.007	23.700	30.000	Passed
Aroclor 1260 #1	0.006	0.006	8.167	30.000	Passed
Aroclor 1260 #2	0.006	0.007	12.439	30.000	Passed
Aroclor 1260 #3	0.006	0.007	18.153	30.000	Passed
Aroclor 1260 #4	0.006	0.007	18.227	30.000	Passed
Aroclor 1260 #5	0.006	0.007	24.866	30.000	Passed
SURRDCBPCB	6.000	6.892	14.871	30.000	Passed
Aroclor 1016	0.030	0.037	21.714	30.000	Passed
Aroclor 1260	0.030	0.035	16.370	30.000	Passed

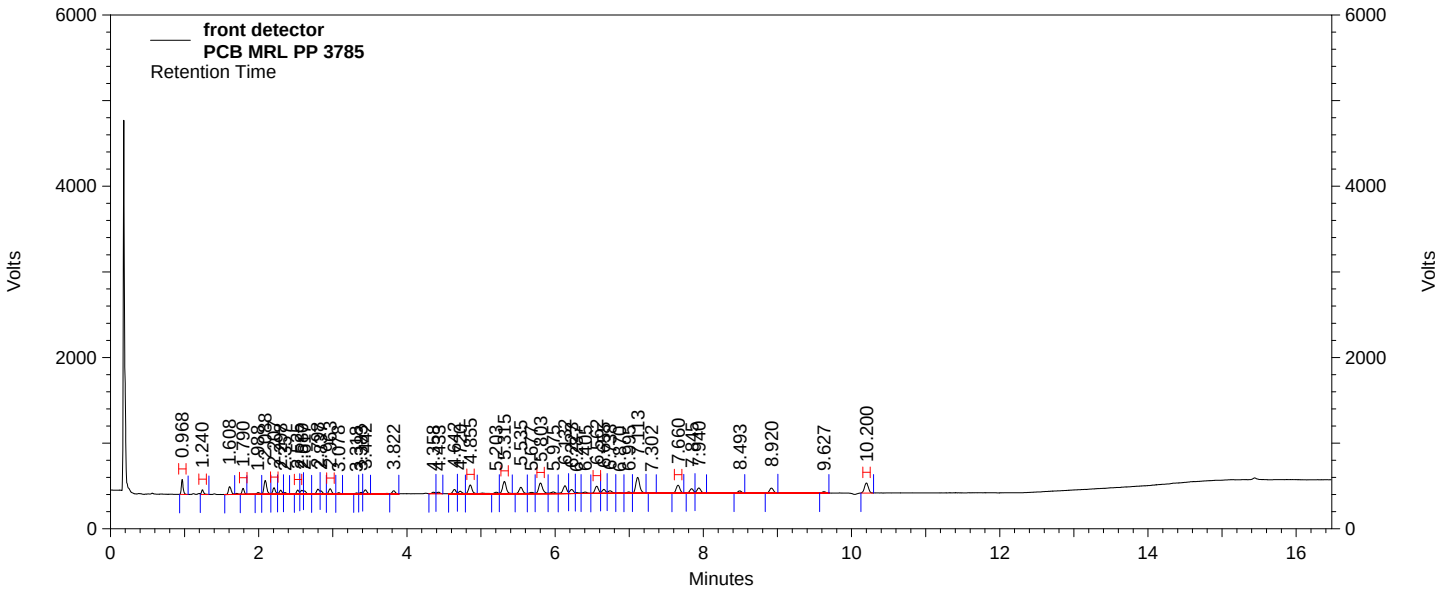
back detector

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
SURRTCMXPCB	6.000	5.970	0.505	30.000	Passed
Aroclor 1016 #1	0.006	0.005	11.696	30.000	Passed
Aroclor 1016 #2	0.006	0.006	6.529	30.000	Passed
Aroclor 1016 #3	0.006	0.006	2.596	30.000	Passed
Aroclor 1016 #4	0.006	0.006	4.438	30.000	Passed
Aroclor 1016 #5	0.006	0.006	3.180	30.000	Passed
Aroclor 1260 #1	0.006	0.006	2.107	30.000	Passed
Aroclor 1260 #2	0.006	0.006	6.691	30.000	Passed
Aroclor 1260 #3	0.006	0.007	10.217	30.000	Passed
Aroclor 1260 #4	0.006	0.007	8.656	30.000	Passed
Aroclor 1260 #5	0.006	0.007	12.103	30.000	Passed
SURRDCBPCB	6.000	6.530	8.830	30.000	Passed
Aroclor 1016	0.030	0.029	2.038	30.000	Passed
Aroclor 1260	0.030	0.032	7.112	30.000	Passed

PCB Analysis Report (1016/1260) *(Channel A)*

Data File: C:\Instarch\Semi7\Data\082113pcb\014.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: PCB MRL PP 3785
Acquired: Aug 21,2013 14:06:37
Printed: Aug 21,2013 14:24:46

Data Summary: {Data Description}



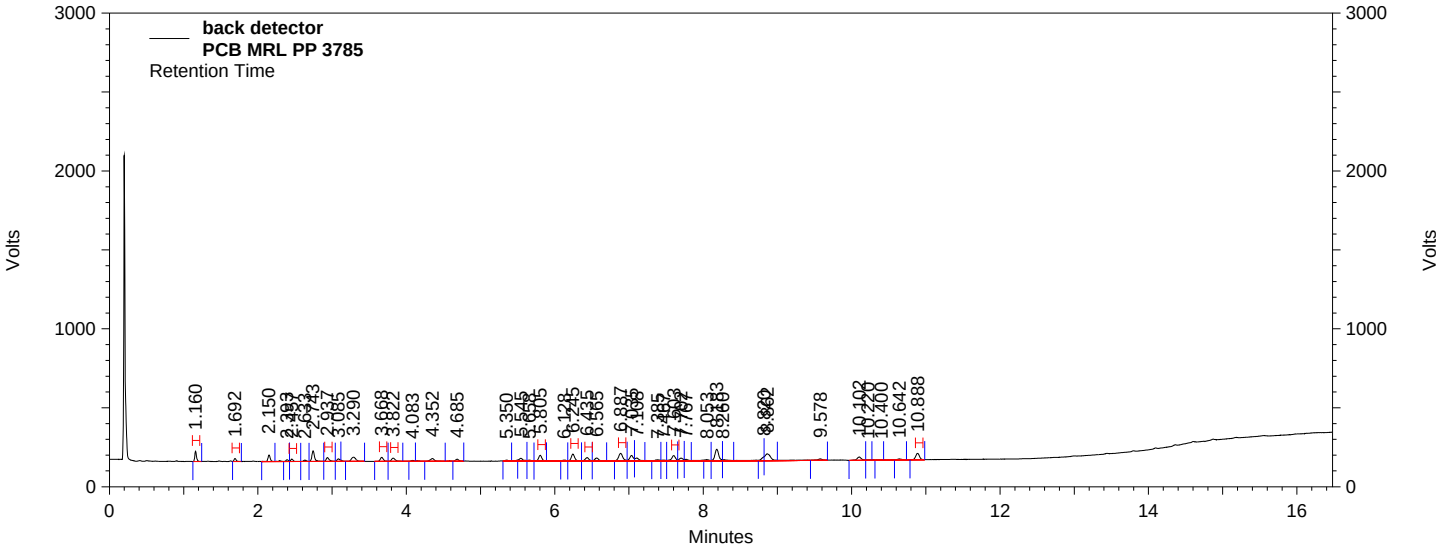
front detector Results

Component	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	0.968	2252763	6.747
Aroclor 1016 #1	1.240	851131	0.007
Aroclor 1016 #2	1.790	1144354	0.007
Aroclor 1016 #3	2.207	1540683	0.007
Aroclor 1016 #4	2.525	890930	0.007
Aroclor 1016 #5	2.963	1427432	0.007
Aroclor 1260 #1	4.855	2520002	0.006
Aroclor 1260 #2	5.315	3743988	0.007
Aroclor 1260 #3	5.803	3545068	0.007
Aroclor 1260 #4	6.562	2195644	0.007
Aroclor 1260 #5	7.660	2697145	0.007
SURRDCBPCB	10.200	3299921	6.892
Aroclor 1016		5854530	0.037
Aroclor 1260		14701847	0.035

PCB Analysis Report (1016/1260) *(Channel B)*

Data File: C:\Instarch\Semi7\Data\082113pcb\014.dat
Method: C:\Instarch\Semi7\Methods\Aroclor\050713pcbic\082113pcb.met
User: JJY
Sample ID: PCB MRL PP 3785
Acquired: Aug 21,2013 14:06:37
Printed: Aug 21,2013 14:24:46

Data Summary: {Data Description}



back detector Results

Name	*Retention Time*	*Area Counts*	*Concentration (ug/ml)*
SURRTCMXPCB	1.160	840000	5.970
Aroclor 1016 #1	1.692	316989	0.005
Aroclor 1016 #2	2.457	279729	0.006
Aroclor 1016 #3	2.937	571350	0.006
Aroclor 1016 #4	3.668	569978	0.006
Aroclor 1016 #5	3.822	567413	0.006
Aroclor 1260 #1	5.805	888888	0.006
Aroclor 1260 #2	6.245	1117061	0.006
Aroclor 1260 #3	6.435	578181	0.007
Aroclor 1260 #4	6.887	1471458	0.007
Aroclor 1260 #5	7.603	955909	0.007
SURRDCBPCB	10.888	1187025	6.530
Aroclor 1016		2305459	0.029
Aroclor 1260		5011497	0.032

POLYCHLORINATED BIPHENYLS
LOGBOOK
DOCUMENTS

S PCB Analytical Run
96922 on 8/20/2013

Date Analyzed: _____ JJY 9/3/13

Date Entered: _____

Date Reviewed: _____

Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)		CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
99211	337828		8/12/2013 1455			ECC	RVAAP	PCB QSM		S	**4**	
		083SB-0012M-0001-SO							45487			
	338940			MBS				PCB QSM				
									45487			
	338941			LCSS				PCB QSM				
									45487			
	338943		8/12/2013 1455	MSS	337828			PCB QSM				
		083SB-0012M-0001-SO							45487			
	338944		8/12/2013 1455	MSDS	338943			PCB QSM				
		083SB-0012M-0001-SO							45487			

5 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

PREP WORKSHEET
on 8/20/2013

Prep Batch **45,487** Date Prepped: 8/19/2013 Prepped By MMS

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
	338940	MBS		PCB QSM	SOLID	10	10.00			
	338941	LCSS		PCB QSM	SOLID	10	10.00			
99211	337828			PCB QSM	SOIL	10	10.03		N	
	338943	MSS	337828	PCB QSM	SOIL	10	10.03			
	338944	MSDS	338943	PCB QSM	SOIL	10	9.98			

Notes:_____

Pesticides/PCB Extraction Bench Sheet

(SOP Reference #'s 8081 & 8082)

3510=WATER
3545=PFE or 3546=Microwave >>
(PFE=Pressurized Fluid Extraction)

Prep Batch #:	45487
Prep Method:	3546
Analyst:	MMS/JLH
Date:	8/19/2013
Start Time:	7:15
End Date:	8/20/2013
End Time:	10:20

Analysis Methods
8081 = Pesticides
8082 = PCBs

Matrix: SOIL
Balance Used: SVSP402
Ave MW Temp (°C): 110.0

Reagent Lots>>>

NA_2SO_4	SV0081
Diatomaceous Earth	SV0059
Dionex Solution	1516/1517
Methylene Chloride	49542
Acetone	40219
Hexane	43501

Concentration By: MMS

Concentration Date: 8/20/2013

Microwave Cell #	Sample ID	Comments		(Solids) Sample Weight (g)	(Liquids) Sample Volume (L)	Final Volume (ml)
A	338940	(MB)		10.00		10
B	338941	(LCS)		10.00		10
J	337828			10.03		10
						10
						10
						10
						10
						10
						10
						10
						10
						10
						10
						10
						10
						10
						10
						10
						10
						10
						10
						10
						10
						10
H	338943	(MS)	Parent Sample	10.03		10
I	338944	(MSD)	337828	9.98		10

MB=Method Blank, LCS=Laboratory Control Sample, MS=Matrix Spike, MSD=Matrix Spike Duplicate, Tox=Toxaphene & Chlor=Technical chlordane

MS/MSD/ LCS Spike Amount (ml): 0.5
Spike Concentration (ug/mL): 10
Spike Reference #: PP3881

Surrogate Spike Amount (ml): 0.5
Surrogate Spike Conc. (ug/mL): 0.5
Surrogate Spike Reference #: PP3886

Tox/Chlor Spike Amount (ml): NA
Tox/Chlor Spike Conc. (ug/mL): NA

Tox/Chlor Spike Reference: NA

Relinquished to: JJY
Date: 8/20/2013

Reviewed By: JJY
Date: 8/20/2013

Table 4

8082 PCB Analysis Data Review Checklist

Analytical Run #: 96922	**Independent Reviewer: RED**
Sequence Date: 08/21/2013	**Date of Review: 08/21/2013**
Analyst/Data Interpreter: JJY	**Approval: Yes**

Instructions: Complete one checklist per *analytical run* . Enter the appropriate response for each question. Each "No" response requires an explanation in the Comments section, and may require the initiation of a Nonconformance Report.

Requirements:	Acceptance Criteria	Analyst Review		Independent Review		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
1. INITIAL CALIBRATION (ICAL)						
a. Was the PCB initial calibration (Aroclor 1016/1260) performed using a minimum of five varying standard concentration levels on two dissimilar columns?	Lowest standard at or near MRL	**Yes**		**Yes**		
b. Is the variation between calibration response factors for all concentration levels <20% RSD, is r^2 >.990, or r > 0.990 for the regression line?	RSD<20%, r^2>0.990, or r>0.990	**Yes**		**Yes**		
c. Was each ICAL uniquely identified (i.e. Standard Number)?		**Yes**		**Yes**		
d. Were there Calibration Factors (CF) established for the remaining Aroclors?		**Yes**		**Yes**		
e. Was an initial calibration blank (ICB) analyzed?		**Yes**		**Yes**		
2. INITIAL CALIBRATION VERIFICATION (ICV)						
a. Were there second source ICVs for all Aroclors analyzed after the initial calibration and prior to analysis of any samples?		**Yes**		**Yes**		
b. Were the recoveries for the ICVs within program limits?	Second source	**Yes**		**Yes**		
c. Was the ICVs uniquely identified (i.e. Standard Number)?	%Recovery	**Yes**		**Yes**		
3. CONTINUING CALIBRATION VERIFICATION (CCV)						
a. Were CCVs (Aroclor 1016/1260) analyzed at the beginning of the sequence, after every 12 hours or every 20 samples (which ever comes first) and at the end of the analytical run? QSM = every ten sample injections.		**Yes**		**Yes**		
b. Were the recoveries for the CCVs within program limits?	%Recovery	**Yes**		**Yes**		
c. Were confirmed Aroclor detects processed using the appropriate Aroclor method?		**Yes**		**Yes**		
d. Was each CCV uniquely identified (i.e. Standard Number)?		**Yes**		**Yes**		

Additional Comments:

Analytical Run #: 96922

Table 4

8082 PCB Analysis Data Review Checklist

Requirements:	Acceptance Criteria	Analyst		Independent		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
4. BLANKS						
a. Was the method blank (MB) analyzed prior to the analysis of samples?		**Yes**		**Yes**		
b. Was the MB result less than ½ the reporting limit (RL) or 5% of the sample amount?	In-house limits or client specified limits	**Yes**		**Yes**		
c. Was a MB prepped and analyzed at a frequency of one per Prep Batch?	Batch <20 samples	**Yes**		**Yes**		
5. LABORATORY CONTROL SAMPLE (LCS)						
a. Was a LCS analyzed prior to the analysis of samples?		**Yes**		**Yes**		
b. Were the LCS recoveries in each LCS within the acceptance criteria?	Batch <20 samples	**Yes**		**Yes**		
c. Was a LCS analyzed at a frequency one per Prep Batch?	In-house limits or client specified limits	**Yes**		**Yes**		
6. MATRIX SPIKES						
a. Was a matrix spiked (MS) sample analyzed at a frequency one per Prep Batch?	Batch <20 samples	**Yes**		**Yes**		
b. Were MS recoveries in each MS within the acceptance criteria?	In-house limits or client specified limits	**Yes**		**Yes**		
7. LABORATORY CONTROL SPIKE / MATRIX SPIKE DUPLICATE						
a. Was a duplicate matrix spike or laboratory control spike sample analyzed at a . frequency one per Prep Batch?	Batch <20 samples	**Yes**		**Yes**		
b. Were MSD or LCSD recoveries within the acceptance criteria?	In-house limits or client specified limits	**Yes**		**Yes**		
c. Is the relative percent difference (RPD) between a matrix spike (MS) and its' duplicate (MSD) or laboratory control spike (LCS) and its' duplicate (LCSD) within the acceptance criteria?	In-house limits or client specified limits	**Yes**		**Yes**		

Additional Comments:

Analytical Run #: 96922

Table 4

8082 PCB Analysis Data Review Checklist

Requirements:	Acceptance Criteria	Analyst		Independent		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
8. SAMPLES (INCLUDING BLANKS, STANDARDS, AND QC SAMPLES)						
a. Are chromatogram characteristics, including peak shapes and areas, consistent with those of the CCV?		**Yes**		**Yes**		
b. Are surrogate recoveries for all samples, blanks, standards, and QC samples within acceptance criteria?		**Yes**		**Yes**		
c. Were all samples having analytes detected in amounts exceeding the calibration range diluted and reanalyzed?		**Yes**		**Yes**		
d. Were all samples extracted within holding times and analyzed within 40 days of extracting?	Analysis within 40 days of extraction	**Yes**		**Yes**		
e. Did the samples require additional cleanup steps? (i.e. acid treatment, florisil, GPC, and sulfur treatment)	Florisil, GPC, Acid, Sulfur Treatments	**Yes**		**Yes**		Acid, sulfur treatments.
f. Was there a hexane injection performed prior to sample analysis?		**Yes**		**Yes**		
g. Was there a priming standard injected prior to sample analysis?		**Yes**		**Yes**		
9. RECORDS AND REPORTING						
a. Is the Analytical Run, Prep Batch and Extraction sheets, Summary sheets, Sequence file, analytical data, and method transfer to PDF format?		**Yes**		**Yes**		
b. Are all chromatograms stamped with initials and date?		**Yes**		**Yes**		
c. Are reported results whose amounts exceeded the acceptance criteria flagged with an appropriate qualifier in LIMS and, if needed, a NCR completed?		**Yes**		**Yes**		
d. Do all values, dilution factors and qualifiers listed on the raw reports match the LIMS data?		**Yes**		**Yes**		
e. Is the ICAL method referenced on the Raw Data?		**Yes**		**Yes**		

Additional Comments:

Summary Report

Instrument ID: Semi 7
Data Path: C:\Instarch\Semi7\Sequence\050713pcbic.seq
User ID: JJY
Printed Date: May 07,2013 08:20:26

JJY
5/9/13

Run Number	Sample ID	Data Filename	Method Filename	Analysis Date	Data Description
1	Prime PP 3789	001.dat	050713pcbic.met	May 07,2013 08:03:56	
2	Hexane	002.dat	050713pcbic.met	May 07,2013 08:23:32	
3	PCB ICAL 1 PP 3871	003.dat	050713pcbic.met	May 07,2013 08:43:10	
4	PCB ICAL 2 PP 3872	004.dat	050713pcbic.met	May 07,2013 09:02:45	
5	PCB ICAL 3 PP 3873	005.dat	050713pcbic.met	May 07,2013 09:22:23	
6	PCB ICAL 4 PP 3874	006.dat	050713pcbic.met	May 07,2013 09:42:02	
7	PCB ICAL 5 PP 3875	007.dat	050713pcbic.met	May 07,2013 10:01:40	
8	PCB ICV PP 3778	008.dat	050713pcbic.met	May 07,2013 10:21:19	
9	Hexane	009.dat	050713pcbic.met	May 07,2013 10:40:57	
10	PCB 1221 CF PP 3793	010.dat	1221.met	May 07,2013 11:00:39	
11	PCB 1232 CF PP 3798	011.dat	1232.met	May 07,2013 11:20:21	
12	PCB 1242 CF PP 3803	012.dat	1242.met	May 07,2013 11:40:01	
13	PCB 1248 CF PP 3808	013.dat	1248.met	May 07,2013 11:59:40	
14	PCB 1254 CF PP 3751	014.dat	1254.met	May 07,2013 12:19:21	
15	PCB 1262 CF PP 3813	015.dat	1262.met	May 07,2013 12:39:05	
16	PCB 1268 CF PP 3762	016.dat	1268.met	May 07,2013 12:58:41	
17	Hexane	017.dat	050713pcbic.met	May 07,2013 13:18:17	
18	PCB 1221 ICV PP 3779	018.dat	1221.met	May 07,2013 13:37:57	
19	PCB 1232 ICV PP 3780	019.dat	1232.met	May 07,2013 13:57:31	
20	PCB 1242 ICV PP 3781	020.dat	1242.met	May 07,2013 14:17:10	
21	PCB 1248 ICV PP 3782	021.dat	1248.met	May 07,2013 14:36:45	
22	PCB 1254 ICV PP 3753	022.dat	1254.met	May 07,2013 14:56:20	
23	PCB 1262 ICV PP 3783	023.dat	1262.met	May 07,2013 15:16:01	
24	PCB 1268 ICV PP 3764	024.dat	1268.met	May 07,2013 15:35:37	
25	Hexane	025.dat	050713pcbic.met	May 07,2013 15:55:16	
26	PCB CCV PP 3822	026.dat	050713pcbic.met	May 07,2013 16:14:54	
27	93726,MBTS,	027.dat	050713pcbic.met	May 07,2013 16:34:28	
28	93726,MBTV,	028.dat	050713pcbic.met	May 07,2013 16:54:06	
29	93726,MBW,	029.dat	050713pcbic.met	May 07,2013 17:13:45	
30	93726,LCSW,	030.dat	050713pcbic.met	May 07,2013 17:33:24	
31	93726,296437,	031.dat	050713pcbic.met	May 07,2013 17:53:02	
32	93726,MSW296437,	032.dat	050713pcbic.met	May 07,2013 18:12:41	
33	PCB CCV PP 3822	033.dat	050713pcbic.met	May 07,2013 18:32:21	
34	93670,MBS,	034.dat	050713pcbic.met	May 07,2013 18:52:00	
35	93670,LCSS,	035.dat	050713pcbic.met	May 07,2013 19:11:43	
36	93670,296434,50	036.dat	050713pcbic.met	May 07,2013 19:31:24	
37	Hexane	037.dat	050713pcbic.met	May 07,2013 19:51:02	
38	93670,296436,50	038.dat	050713pcbic.met	May 07,2013 20:10:37	
39	Hexane	039.dat	050713pcbic.met	May 07,2013 20:30:13	
40	93670,296438,50	040.dat	050713pcbic.met	May 07,2013 20:49:50	
41	Hexane	041.dat	050713pcbic.met	May 07,2013 21:09:28	
42	PCB CCV PP 3822	042.dat	050713pcbic.met	May 07,2013 21:29:04	

Summary Report

Instrument ID: Semi 7 (Offline)
Data Path: C:\Instarch\Semi7\Sequence\082113pcb.seq
User ID: JJY
Printed Date: Aug 21,2013 09:43:50

Run Number	Sample ID	Data Filename	Method Filename	Analysis Date	Data Description
1	Prime PP 3789	001.dat	082113pcb.met	Aug 21,2013 08:47:23	
2	Hexane	002.dat	082113pcb.met	Aug 21,2013 09:06:59	
3	PCB CCV PP 3822	003.dat	082113pcb.met	Aug 21,2013 09:26:39	
4	PCB MRL PP 3785	004.dat	082113pcb.met	Aug 21,2013 10:49:57	
5	96884,MBW,	005.dat	082113pcb.met	Aug 21,2013 11:09:32	
6	96884,LCSW,	006.dat	082113pcb.met	Aug 21,2013 11:29:12	
7	96884,339561,	007.dat	082113pcb.met	Aug 21,2013 11:48:53	
8	96922,MBS,	008.dat	082113pcb.met	Aug 21,2013 12:08:31	
9	96922,LCSS,	009.dat	082113pcb.met	Aug 21,2013 12:28:12	
10	96922,337828,	010.dat	082113pcb.met	Aug 21,2013 12:47:52	
11	96922,MSS337828,	011.dat	082113pcb.met	Aug 21,2013 13:07:32	
12	96922,MSDS337828,	012.dat	082113pcb.met	Aug 21,2013 13:27:11	
13	PCB CCV PP 3822	013.dat	082113pcb.met	Aug 21,2013 13:46:53	
14	PCB MRL PP 3785	014.dat	082113pcb.met	Aug 21,2013 14:06:37	
15	96971,MBS,	015.dat	082113pcb.met	Aug 21,2013 14:26:14	
16	96971,LCSS,	016.dat	082113pcb.met	Aug 21,2013 14:45:52	
17	96971,338375,	017.dat	082113pcb.met	Aug 21,2013 15:05:27	
18	96971,338369,	018.dat	082113pcb.met	Aug 21,2013 15:25:05	
19	96971,MSS338369,	019.dat	082113pcb.met	Aug 21,2013 15:44:44	
20	96971,MSDS338369,	020.dat	082113pcb.met	Aug 21,2013 16:04:21	
21	PCB CCV PP 3822	021.dat	082113pcb.met	Aug 21,2013 16:23:59	
22	PCB MRL PP 3785	022.dat	082113pcb.met	Aug 21,2013 16:43:36	
23	96924,MBS,	023.dat	082113pcb.met	Aug 21,2013 17:03:15	
24	96924,LCSS,	024.dat	082113pcb.met	Aug 21,2013 17:22:54	
25	96924,338707,	025.dat	082113pcb.met	Aug 21,2013 17:42:34	
26	96924,MSS338707,	026.dat	082113pcb.met	Aug 21,2013 18:02:14	
27	96924,MSDS338707,	027.dat	082113pcb.met	Aug 21,2013 18:21:52	
28	PCB CCV PP 3822	028.dat	082113pcb.met	Aug 21,2013 18:41:34	

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Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3746	1254 Intermed standard	Hexane JT Baker lot 17861	07-Feb-13 JJY 14-Jun-13	S2597	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2608B	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3747	1254 2nd Srce			S2603	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2608B	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3748	1254 ICAL 1			PP 3746	10	ug/mL	0.030	10.0	0.03	ug/ml
PP 3749	1254 ICAL 2			PP 3746	10	ug/mL	0.050	10.0	0.05	ug/ml
PP 3750	1254 ICAL 3			PP 3746	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3751	1254 ICAL 4			PP 3746	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3752	1254 ICAL 5			PP 3746	10	ug/mL	1.000	10.0	1.00	ug/ml
PP 3753	1254 ICV			PP 3747	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3754	1254 CCV			PP 3746	10	ug/mL	0.500	10.0	0.50	ug/ml

JJY 2/7/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3755	Pest CCV	Hexane JT Baker	15-Feb-13 AMA 11-Mar-13	PP 3655	2.0	ug/mL	0.200	10.0	0.040	ug/ml
PP 3756	Tox/chlor CCV	lot 17861		PP3657	10.0	ug/mL	0.250	10.0	0.25	ug/ml

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Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3757	1268 Intermed standard	Hexane JT Baker lot 17861	~~07-Feb-13~~ JJY 14-Jun-13 15-Feb-13 JJY 2/15/13	S2611	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2608B	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3758	1268 2nd Srce			S2612	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2608B	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3759	1268 ICAL 1			PP 3757	10	ug/mL	0.030	10.0	0.03	ug/ml
PP 3760	1268 ICAL 2			PP 3757	10	ug/mL	0.050	10.0	0.05	ug/ml
PP 3761	1268 ICAL 3			PP 3757	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3762	1268 ICAL 4			PP 3757	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3763	1268 ICAL 5			PP 3757	10	ug/mL	1.000	10.0	1.00	ug/ml
PP 3764	1268 ICV			PP 3758	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3765	1268 CCV			PP 3757	10	ug/mL	0.500	10.0	0.50	ug/ml

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Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3766	1016/1260 Intermed standard	Hexane JT Baker lot 23181	07-Mar-13 AMA 07-Sep-13	S2744	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2766B	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3767	1221 Intermed standard		14-Jun-13	S2593	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2766B	200	ug/mL	0.025	10.0	0.5	ug/ml

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Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3768	1232 Intermed standard	Hexane JT Baker lot 23181	07-Mar-13 AMA 14-Jun-13	S2594	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2766B	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3769	1242 Intermed standard			S2595	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2766B	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3770	1248 Intermed standard			S2596	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2766B	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3771	1262 Intermed standard			S2609	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2766B	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3772	1016/1260 2nd Srce		07-Sep-13	S2773	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2766B	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3773	1221 2nd Srce		14-Jun-13	S2599	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2766B	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3774	1232 2nd Srce			S2600	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2766B	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3775	1242 2nd Srce			S2601	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2766B	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3776	1248 2nd Srce			S2602	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2766B	200	ug/mL	0.025	10.0	0.5	ug/ml
PP 3777	1262 2nd Srce			S2610	1000	ug/mL	0.100	10.0	10.0	ug/ml
				S2766B	200	ug/mL	0.025	10.0	0.5	ug/ml

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Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3778	PCB ICV	Hexane	07-Mar-13 JJY 07-Sep-13	PP3772	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3779	1221 ICV	JT Baker	14-Jun-13	PP3773	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3780	1232 ICV	lot 23181		PP3774	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3781	1242 ICV			PP3775	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3782	1248 ICV			PP3776	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3783	1262 ICV			PP3777	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3784	PCB LL ICAL 1		JJY 07-Sep-13	PP3766	10	ug/mL	0.020	10.0	0.02	ug/ml
PP 3785	PCB ICAL 1		3-7-13	PP3766	10	ug/mL	0.030	10.0	0.03	ug/ml
PP 3786	PCB ICAL 2			PP3766	10	ug/mL	0.050	10.0	0.05	ug/ml
PP 3787	PCB ICAL 3			PP3766	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3788	PCB ICAL 4			PP3766	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3789	PCB ICAL 5			PP3766	10	ug/mL	1.000	10.0	1.00	ug/ml

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Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3790	1221 ICAL 1	Hexane	07-Mar-13 JJY 14-Jun-13	PP 3767	10	ug/mL	0.030	10.0	0.03	ug/ml
PP 3791	1221 ICAL 2	JT Baker		PP 3767	10	ug/mL	0.050	10.0	0.05	ug/ml
PP 3792	1221 ICAL 3	lot 23181		PP 3767	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3793	1221 ICAL 4			PP 3767	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3794	1221 ICAL 5			PP 3767	10	ug/mL	1.000	10.0	1.00	ug/ml
PP 3795	1232 ICAL 1			PP 3768	10	ug/mL	0.030	10.0	0.03	ug/ml
PP 3796	1232 ICAL 2			PP 3768	10	ug/mL	0.050	10.0	0.05	ug/ml
PP 3797	1232 ICAL 3			PP 3768	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3798	1232 ICAL 4			PP 3768	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3799	1232 ICAL 5			PP 3768	10	ug/mL	1.000	10.0	1.00	ug/ml
PP 3800	1242 ICAL 1			PP 3769	10	ug/mL	0.030	10.0	0.03	ug/ml
PP 3801	1242 ICAL 2			PP 3769	10	ug/mL	0.050	10.0	0.05	ug/ml
PP 3802	1242 ICAL 3			PP 3769	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3803	1242 ICAL 4			PP 3769	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3804	1242 ICAL 5			PP 3769	10	ug/mL	1.000	10.0	1.00	ug/ml
PP 3805	1248 ICAL 1			PP 3770	10	ug/mL	0.030	10.0	0.03	ug/ml
PP 3806	1248 ICAL 2			PP 3770	10	ug/mL	0.050	10.0	0.05	ug/ml
PP 3807	1248 ICAL 3			PP 3770	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3808	1248 ICAL 4			PP 3770	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3809	1248 ICAL 5			PP 3770	10	ug/mL	1.000	10.0	1.00	ug/ml
PP 3810	1262 ICAL 1			PP 3771	10	ug/mL	0.030	10.0	0.03	ug/ml
PP 3811	1262 ICAL 2			PP 3771	10	ug/mL	0.050	10.0	0.05	ug/ml
PP 3812	1262 ICAL 3			PP 3771	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3813	1262 ICAL 4			PP 3771	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3814	1262 ICAL 5			PP 3771	10	ug/mL	1.000	10.0	1.00	ug/ml

JJY 3/7/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3815	1221 LL ICAL 1	Hexane	07-Mar-13 JJY 14-Jun-13	PP3767	10	ug/mL	0.020	10.0	0.02	ug/ml
PP 3816	1232 LL ICAL 1	JT Baker		PP3768	10	ug/mL	0.020	10.0	0.02	ug/ml
PP 3817	1242 LL ICAL 1	lot 23181		PP3769	10	ug/mL	0.020	10.0	0.02	ug/ml
PP 3818	1248 LL ICAL 1			PP3770	10	ug/mL	0.020	10.0	0.02	ug/ml
PP 3819	1262 LL ICAL 1			PP3771	10	ug/mL	0.020	10.0	0.02	ug/ml

JJY 3/7/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3820	1254 LL ICAL 1	Hexane	08-Mar-13 JJY 14-Jun-13	PP3746	10	ug/mL	0.020	10.0	0.02	ug/ml
PP 3821	1268 LL ICAL 1	JT Baker		PP3757	10	ug/mL	0.020	10.0	0.02	ug/ml
		lot 23181	07-Sep-13							
PP 3822	PCB CCV			PP3766	10	ug/mL	0.500	10.0	0.50	ug/ml

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Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3857	DDTs ICAL 1	Hexane	22-Mar-13 JJY 24-Jul-13	PP3734	2.0	ug/mL	0.005	10.0	0.001	ug/ml
PP 3858	DDTs ICAL 2	JT Baker		PP3734	2.0	ug/mL	0.025	10.0	0.005	ug/ml
PP 3859	DDTs ICAL 3	lot 23181		PP3734	2.0	ug/mL	0.050	10.0	0.010	ug/ml
PP 3860	DDTs ICAL 4			PP3734	2.0	ug/mL	0.100	10.0	0.020	ug/ml
PP 3861	DDTs ICAL 5			PP3734	2.0	ug/mL	0.200	10.0	0.040	ug/ml
PP 3862	DDTs ICAL 6			PP3734	2.0	ug/mL	0.300	10.0	0.060	ug/ml
PP 3863	DDTs ICV 1			PP3735	2.0	ug/mL	0.100	10.0	0.020	ug/ml
PP 3864	DDTs ICV 2			PP3735	2.0	ug/mL	0.200	10.0	0.040	ug/ml
PP 3865	DDTs CCV			PP3734	2.0	ug/mL	0.100	10.0	0.020	ug/ml

JJY 3/22/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3866	Pest/PCB Surrogates	Acetone	25-Mar-13 JJY 25-Sep-13	S2766A	200	ug/mL	0.250	100.0	0.50	ug/ml
PP 3867	Pest/PCB Surrogates	JT Baker lot J14E52		S2766A	200	ug/mL	0.250	100.0	0.50	ug/ml
PP 3868	Pest/PCB Surrogates			S2766A	200	ug/mL	0.250	100.0	0.50	ug/ml
PP 3869	Pest/PCB Surrogates			S2766A	200	ug/mL	0.250	100.0	0.50	ug/ml
PP 3870	FM BP-6 Spike			S2785	100	ug/mL	1.000	50.0	2.00	ug/ml

JJY 3/25/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3871	PCB ICAL 1	Hexane	01-May-13 JJY 07-Sep-13	PP3766	10	ug/mL	0.030	10.0	0.03	ug/ml
PP 3872	PCB ICAL 2	JT Baker		PP3766	10	ug/mL	0.050	10.0	0.05	ug/ml
PP 3873	PCB ICAL 3	lot 23181		PP3766	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3874	PCB ICAL 4			PP3766	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3875	PCB ICAL 5			PP3766	10	ug/mL	1.000	10.0	1.00	ug/ml

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
PP 3876	1242 ICAL 1	Hexane	01-May-13 JJY 07-Sep-13	PP3769	10	ug/mL	0.030	10.0	0.03	ug/ml
PP 3877	1242 ICAL 2	JT Baker		PP3769	10	ug/mL	0.050	10.0	0.05	ug/ml
PP 3878	1242 ICAL 3	lot 23181		PP3769	10	ug/mL	0.200	10.0	0.20	ug/ml
PP 3879	1242 ICAL 4			PP3769	10	ug/mL	0.500	10.0	0.50	ug/ml
PP 3880	1242 ICAL 5			PP3769	10	ug/mL	1.000	10.0	1.00	ug/ml

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Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration	Standard Volume (ml)	Final Volume (ml)	Final Concentration
PP 3881	PCB Spike	Acetone JT Baker lot K48E17	06-May-13 JJY 06-Nov-13	S2744 1000 ug/mL	0.500	50.0	10.00 ug/ml

JJY 5/6/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration	Standard Volume (ml)	Final Volume (ml)	Final Concentration
PP 3882	HBB Stock	Hexane JT Baker lot 21949	06-Jun-13 JJY 06-Dec-13	S2637 2000 ug/mL	0.125	10.0	25.0 ug/ml
PP 3883	HBB/PBB Spike	Acetone JT Baker lot K48E17		S2744B 100 ug/mL PP3882 25 ug/mL	0.200 0.200	10.0 10.0	2.0 ug/ml 0.5 ug/ml

JJY 6/6/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration	Standard Volume (ml)	Final Volume (ml)	Final Concentration
PP 3884	Pest/PCB Surrogates	Acetone JT Baker lot K48E17	14-Jun-13 JJY 14-Dec-13	S2819A 200 ug/mL	0.250	100.0	0.50 ug/ml
PP 3885	Pest/PCB Surrogates			S2819A 200 ug/mL	0.250	100.0	0.50 ug/ml
PP 3886	Pest/PCB Surrogates			S2819A 200 ug/mL	0.250	100.0	0.50 ug/ml
PP 3887	Pest/PCB Surrogates			S2819A 200 ug/mL	0.250	100.0	0.50 ug/ml
PP 3888	Pest/PCB Surrogates			S2819A 200 ug/mL	0.125	50.0	0.50 ug/ml

JJY 6/14/13

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration	Standard Volume (ml)	Final Volume (ml)	Final Concentration
PP 3889	DDTs Spike	Acetone JT Baker lot K48E17	20-Jun-13 JJY 20-Dec-13	S2625 1000 ug/mL	0.040	50.0	0.80 ug/ml
				S2626 1000 ug/mL	0.040	50.0	0.80 ug/ml
				S2627 1000 ug/mL	0.040	50.0	0.80 ug/ml
				S2628 1000 ug/mL	0.040	50.0	0.80 ug/ml
				S2629 1000 ug/mL	0.040	50.0	0.80 ug/ml
				S2630 1000 ug/mL	0.040	50.0	0.80 ug/ml

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NITROAROMATICS ANALYSIS
QUALITY CONTROL SUMMARY
DOCUMENTS

CT LABORATORIES
delivering more than data from your environmental analyses

1B

EXPLOSIVES ANALYSIS

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	4.98 (g/L)	CTL Sample ID:	337811
% Solids:	97.5	Date Received:	08/13/2013
Conc. Extract Vol:	10.0 (mL)	Date/Time Prepared:	08/22/2013 / 12:30
Analytical Method:	EPA 8330	Analytical Prep Batch #	45486
Analytical Run #:	97061	Dilution Factor:	1.00
Date & Time Analyzed:	08/28/2013 / 10:36	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	Methods	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
556-88-7	Nitroguanidine	0.12	U	0.060	0.12	0.25	0.25

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.03 (g/L)	CTL Sample ID:	337811
% Solids:	97.5	Date Received:	08/13/2013
Conc. Extract Vol:	20.0 (mL)	Date/Time Prepared:	08/22/2013 / 13:30
Analytical Method:	EPA 8330B	Analytical Prep Batch #	45484
Analytical Run #:	97058	Dilution Factor:	1.00
Date & Time Analyzed:	08/27/2013 / 11:22	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	042513expic-pri	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
99-35-4	1,3,5-Trinitrobenzene	0.30	U	0.13	0.30	0.50	0.50
99-65-0	1,3-Dinitrobenzene	0.20	U	0.080	0.20	0.30	0.30
118-96-7	2,4,6-Trinitrotoluene	0.20	U	0.090	0.20	0.50	0.50
121-14-2	2,4-Dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
606-20-2	2,6-Dinitrotoluene	0.20	U	0.070	0.20	0.30	0.30
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U	0.090	0.20	0.30	0.30
88-72-2	2-Nitrotoluene	0.20	U	0.090	0.20	0.30	0.30
618-87-1	3,5-Dinitroaniline	0.20	U	0.090	0.20	0.30	0.30
99-08-1	3-Nitrotoluene	0.30	U	0.11	0.30	0.50	0.50
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
99-99-0	4-Nitrotoluene	0.20	U	0.10	0.20	0.50	0.50
2691-41-0	HMX	0.30	U	0.12	0.30	0.50	0.50
98-95-3	Nitrobenzene	0.20	U	0.10	0.20	0.50	0.50
55-63-0	Nitroglycerin	1.2	U	0.50	1.2	2.0	2.0
78-11-5	PETN	1.2	U	0.60	1.2	2.0	2.0
121-82-4	RDX	0.30	U	0.14	0.30	0.50	0.50
479-45-8	Tetryl	0.20	U	0.090	0.20	0.30	0.30

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	5.00 (g/L)	CTL Sample ID:	337812
% Solids:	97.5	Date Received:	08/13/2013
Conc. Extract Vol:	10.0 (mL)	Date/Time Prepared:	08/22/2013 / 12:30
Analytical Method:	EPA 8330	Analytical Prep Batch #	45486
Analytical Run #:	97061	Dilution Factor:	1.00
Date & Time Analyzed:	08/28/2013 / 10:44	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	Methods	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
556-88-7	Nitroguanidine	0.12	U	0.060	0.12	0.25	0.25

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.03 (g/L)	CTL Sample ID:	337812
% Solids:	97.5	Date Received:	08/13/2013
Conc. Extract Vol:	20.0 (mL)	Date/Time Prepared:	08/22/2013 / 13:30
Analytical Method:	EPA 8330B	Analytical Prep Batch #	45484
Analytical Run #:	97058	Dilution Factor:	1.00
Date & Time Analyzed:	08/27/2013 / 11:40	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	042513expic-pri	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
99-35-4	1,3,5-Trinitrobenzene	0.30	U	0.13	0.30	0.50	0.50
99-65-0	1,3-Dinitrobenzene	0.20	U	0.080	0.20	0.30	0.30
118-96-7	2,4,6-Trinitrotoluene	0.20	U	0.090	0.20	0.50	0.50
121-14-2	2,4-Dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
606-20-2	2,6-Dinitrotoluene	0.20	U	0.070	0.20	0.30	0.30
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U	0.090	0.20	0.30	0.30
88-72-2	2-Nitrotoluene	0.20	U	0.090	0.20	0.30	0.30
618-87-1	3,5-Dinitroaniline	0.20	U	0.090	0.20	0.30	0.30
99-08-1	3-Nitrotoluene	0.30	U	0.11	0.30	0.50	0.50
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
99-99-0	4-Nitrotoluene	0.20	U	0.10	0.20	0.50	0.50
2691-41-0	HMX	0.30	U	0.12	0.30	0.50	0.50
98-95-3	Nitrobenzene	0.20	U	0.10	0.20	0.50	0.50
55-63-0	Nitroglycerin	1.2	U	0.50	1.2	2.0	2.0
78-11-5	PETN	1.2	U	0.60	1.2	2.0	2.0
121-82-4	RDX	0.30	U	0.14	0.30	0.50	0.50
479-45-8	Tetryl	0.20	U	0.090	0.20	0.30	0.30

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	4.96 (g/L)	CTL Sample ID:	337813
% Solids:	96.0	Date Received:	08/13/2013
Conc. Extract Vol:	10.0 (mL)	Date/Time Prepared:	08/22/2013 / 12:30
Analytical Method:	EPA 8330	Analytical Prep Batch #	45486
Analytical Run #:	97061	Dilution Factor:	1.00
Date & Time Analyzed:	08/28/2013 / 10:52	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	Methods	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
556-88-7	Nitroguanidine	0.12	U	0.060	0.12	0.25	0.25

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.99 (g/L)	CTL Sample ID:	337813
% Solids:	96.0	Date Received:	08/13/2013
Conc. Extract Vol:	20.0 (mL)	Date/Time Prepared:	08/22/2013 / 13:30
Analytical Method:	EPA 8330B	Analytical Prep Batch #	45484
Analytical Run #:	97058	Dilution Factor:	1.00
Date & Time Analyzed:	08/27/2013 / 11:59	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	042513expic-pri	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
99-35-4	1,3,5-Trinitrobenzene	0.30	U	0.13	0.30	0.50	0.50
99-65-0	1,3-Dinitrobenzene	0.20	U	0.080	0.20	0.30	0.30
118-96-7	2,4,6-Trinitrotoluene	0.20	U	0.090	0.20	0.50	0.50
121-14-2	2,4-Dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
606-20-2	2,6-Dinitrotoluene	0.20	U	0.070	0.20	0.30	0.30
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U	0.090	0.20	0.30	0.30
88-72-2	2-Nitrotoluene	0.20	U	0.090	0.20	0.30	0.30
618-87-1	3,5-Dinitroaniline	0.20	U	0.090	0.20	0.30	0.30
99-08-1	3-Nitrotoluene	0.30	U	0.11	0.30	0.50	0.50
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
99-99-0	4-Nitrotoluene	0.20	U	0.10	0.20	0.50	0.50
2691-41-0	HMX	0.30	U	0.12	0.30	0.50	0.50
98-95-3	Nitrobenzene	0.20	U	0.10	0.20	0.50	0.50
55-63-0	Nitroglycerin	1.2	U	0.50	1.2	2.0	2.0
78-11-5	PETN	1.2	U	0.60	1.2	2.0	2.0
121-82-4	RDX	0.30	U	0.14	0.30	0.50	0.50
479-45-8	Tetryl	0.20	U	0.090	0.20	0.30	0.30

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	5.01 (g/L)	CTL Sample ID:	337815
% Solids:	95.6	Date Received:	08/13/2013
Conc. Extract Vol:	10.0 (mL)	Date/Time Prepared:	08/22/2013 / 12:30
Analytical Method:	EPA 8330	Analytical Prep Batch #	45486
Analytical Run #:	97061	Dilution Factor:	1.00
Date & Time Analyzed:	08/28/2013 / 11:00	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	Methods	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
556-88-7	Nitroguanidine	0.12	U	0.060	0.12	0.25	0.25

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.04 (g/L)	CTL Sample ID:	337815
% Solids:	95.6	Date Received:	08/13/2013
Conc. Extract Vol:	20.0 (mL)	Date/Time Prepared:	08/22/2013 / 13:30
Analytical Method:	EPA 8330B	Analytical Prep Batch #	45484
Analytical Run #:	97058	Dilution Factor:	1.00
Date & Time Analyzed:	08/27/2013 / 12:17	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	042513expic-pri	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
99-35-4	1,3,5-Trinitrobenzene	0.30	U	0.13	0.30	0.50	0.50
99-65-0	1,3-Dinitrobenzene	0.20	U	0.080	0.20	0.30	0.30
118-96-7	2,4,6-Trinitrotoluene	0.20	U	0.090	0.20	0.50	0.50
121-14-2	2,4-Dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
606-20-2	2,6-Dinitrotoluene	0.20	U	0.070	0.20	0.30	0.30
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U	0.090	0.20	0.30	0.30
88-72-2	2-Nitrotoluene	0.20	U	0.090	0.20	0.30	0.30
618-87-1	3,5-Dinitroaniline	0.20	U	0.090	0.20	0.30	0.30
99-08-1	3-Nitrotoluene	0.30	U M,Y	0.11	0.30	0.50	0.50
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
99-99-0	4-Nitrotoluene	0.20	U	0.10	0.20	0.50	0.50
2691-41-0	HMX	0.30	U	0.12	0.30	0.50	0.50
98-95-3	Nitrobenzene	0.20	U	0.10	0.20	0.50	0.50
55-63-0	Nitroglycerin	1.2	U	0.50	1.2	2.0	2.0
78-11-5	PETN	1.2	U Y	0.60	1.2	2.0	2.0
121-82-4	RDX	0.30	U	0.14	0.30	0.50	0.50
479-45-8	Tetryl	0.20	U	0.090	0.20	0.30	0.30

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	4.98 (g/L)	CTL Sample ID:	337818
% Solids:	94.1	Date Received:	08/13/2013
Conc. Extract Vol:	10.0 (mL)	Date/Time Prepared:	08/22/2013 / 12:30
Analytical Method:	EPA 8330	Analytical Prep Batch #	45486
Analytical Run #:	97061	Dilution Factor:	1.00
Date & Time Analyzed:	08/28/2013 / 11:25	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	Methods	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
556-88-7	Nitroguanidine	0.12	U	0.060	0.12	0.25	0.25

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.98 (g/L)	CTL Sample ID:	337818
% Solids:	94.1	Date Received:	08/13/2013
Conc. Extract Vol:	20.0 (mL)	Date/Time Prepared:	08/22/2013 / 13:30
Analytical Method:	EPA 8330B	Analytical Prep Batch #	45484
Analytical Run #:	97058	Dilution Factor:	1.00
Date & Time Analyzed:	08/27/2013 / 13:12	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	042513expic-pri	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
99-35-4	1,3,5-Trinitrobenzene	0.30	U	0.13	0.30	0.50	0.50
99-65-0	1,3-Dinitrobenzene	0.20	U	0.080	0.20	0.30	0.30
118-96-7	2,4,6-Trinitrotoluene	0.20	U	0.090	0.20	0.50	0.50
121-14-2	2,4-Dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
606-20-2	2,6-Dinitrotoluene	0.20	U	0.070	0.20	0.30	0.30
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U	0.090	0.20	0.30	0.30
88-72-2	2-Nitrotoluene	0.20	U	0.090	0.20	0.30	0.30
618-87-1	3,5-Dinitroaniline	0.20	U	0.090	0.20	0.30	0.30
99-08-1	3-Nitrotoluene	0.30	U	0.11	0.30	0.50	0.50
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
99-99-0	4-Nitrotoluene	0.20	U	0.10	0.20	0.50	0.50
2691-41-0	HMX	0.30	U	0.12	0.30	0.50	0.50
98-95-3	Nitrobenzene	0.20	U	0.10	0.20	0.50	0.50
55-63-0	Nitroglycerin	1.2	U	0.50	1.2	2.0	2.0
78-11-5	PETN	1.2	U	0.60	1.2	2.0	2.0
121-82-4	RDX	0.30	U	0.14	0.30	0.50	0.50
479-45-8	Tetryl	0.20	U	0.090	0.20	0.30	0.30

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	5.02 (g/L)	CTL Sample ID:	337820
% Solids:	97.1	Date Received:	08/13/2013
Conc. Extract Vol:	10.0 (mL)	Date/Time Prepared:	08/22/2013 / 12:30
Analytical Method:	EPA 8330	Analytical Prep Batch #	45486
Analytical Run #:	97061	Dilution Factor:	1.00
Date & Time Analyzed:	08/28/2013 / 11:33	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	Methods	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
556-88-7	Nitroguanidine	0.12	U	0.060	0.12	0.25	0.25

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	337820
% Solids:	97.1	Date Received:	08/13/2013
Conc. Extract Vol:	20.0 (mL)	Date/Time Prepared:	08/22/2013 / 13:30
Analytical Method:	EPA 8330B	Analytical Prep Batch #	45484
Analytical Run #:	97058	Dilution Factor:	1.00
Date & Time Analyzed:	08/27/2013 / 13:30	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	042513expic-pri	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
99-35-4	1,3,5-Trinitrobenzene	0.30	U	0.13	0.30	0.50	0.50
99-65-0	1,3-Dinitrobenzene	0.20	U	0.080	0.20	0.30	0.30
118-96-7	2,4,6-Trinitrotoluene	0.20	U	0.090	0.20	0.50	0.50
121-14-2	2,4-Dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
606-20-2	2,6-Dinitrotoluene	0.20	U	0.070	0.20	0.30	0.30
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U	0.090	0.20	0.30	0.30
88-72-2	2-Nitrotoluene	0.20	U	0.090	0.20	0.30	0.30
618-87-1	3,5-Dinitroaniline	0.20	U	0.090	0.20	0.30	0.30
99-08-1	3-Nitrotoluene	0.30	U	0.11	0.30	0.50	0.50
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
99-99-0	4-Nitrotoluene	0.20	U	0.10	0.20	0.50	0.50
2691-41-0	HMX	0.30	U	0.12	0.30	0.50	0.50
98-95-3	Nitrobenzene	0.20	U	0.10	0.20	0.50	0.50
55-63-0	Nitroglycerin	1.2	U	0.50	1.2	2.0	2.0
78-11-5	PETN	1.2	U	0.60	1.2	2.0	2.0
121-82-4	RDX	0.30	U	0.14	0.30	0.50	0.50
479-45-8	Tetryl	0.20	U	0.090	0.20	0.30	0.30

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	4.98 (g/L)	CTL Sample ID:	337822
% Solids:	94.9	Date Received:	08/13/2013
Conc. Extract Vol:	10.0 (mL)	Date/Time Prepared:	08/22/2013 / 12:30
Analytical Method:	EPA 8330	Analytical Prep Batch #	45486
Analytical Run #:	97061	Dilution Factor:	1.00
Date & Time Analyzed:	08/28/2013 / 11:49	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	Methods	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
556-88-7	Nitroguanidine	0.12	U	0.060	0.12	0.25	0.25

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.99 (g/L)	CTL Sample ID:	337822
% Solids:	94.9	Date Received:	08/13/2013
Conc. Extract Vol:	20.0 (mL)	Date/Time Prepared:	08/22/2013 / 13:30
Analytical Method:	EPA 8330B	Analytical Prep Batch #	45484
Analytical Run #:	97058	Dilution Factor:	1.00
Date & Time Analyzed:	08/27/2013 / 14:07	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	042513expic-pri	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
99-35-4	1,3,5-Trinitrobenzene	0.30	U	0.13	0.30	0.50	0.50
99-65-0	1,3-Dinitrobenzene	0.20	U	0.080	0.20	0.30	0.30
118-96-7	2,4,6-Trinitrotoluene	0.20	U	0.090	0.20	0.50	0.50
121-14-2	2,4-Dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
606-20-2	2,6-Dinitrotoluene	0.20	U	0.070	0.20	0.30	0.30
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U	0.090	0.20	0.30	0.30
88-72-2	2-Nitrotoluene	0.20	U	0.090	0.20	0.30	0.30
618-87-1	3,5-Dinitroaniline	0.20	U	0.090	0.20	0.30	0.30
99-08-1	3-Nitrotoluene	0.30	U	0.11	0.30	0.50	0.50
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
99-99-0	4-Nitrotoluene	0.20	U	0.10	0.20	0.50	0.50
2691-41-0	HMX	0.30	U	0.12	0.30	0.50	0.50
98-95-3	Nitrobenzene	0.20	U	0.10	0.20	0.50	0.50
55-63-0	Nitroglycerin	1.2	U	0.50	1.2	2.0	2.0
78-11-5	PETN	1.2	U	0.60	1.2	2.0	2.0
121-82-4	RDX	0.30	U	0.14	0.30	0.50	0.50
479-45-8	Tetryl	0.20	U	0.090	0.20	0.30	0.30

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1B

EXPLOSIVES ANALYSIS

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	5.00 (g/L)	CTL Sample ID:	337824
% Solids:	96.1	Date Received:	08/13/2013
Conc. Extract Vol:	10.0 (mL)	Date/Time Prepared:	08/22/2013 / 12:30
Analytical Method:	EPA 8330	Analytical Prep Batch #	45486
Analytical Run #:	97061	Dilution Factor:	1.00
Date & Time Analyzed:	08/28/2013 / 11:58	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	Methods	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
556-88-7	Nitroguanidine	0.12	U	0.060	0.12	0.25	0.25

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.06 (g/L)	CTL Sample ID:	337824
% Solids:	96.1	Date Received:	08/13/2013
Conc. Extract Vol:	20.0 (mL)	Date/Time Prepared:	08/22/2013 / 13:30
Analytical Method:	EPA 8330B	Analytical Prep Batch #	45484
Analytical Run #:	97058	Dilution Factor:	1.00
Date & Time Analyzed:	08/27/2013 / 14:25	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	042513expic-pri	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
99-35-4	1,3,5-Trinitrobenzene	0.30	U	0.13	0.30	0.50	0.50
99-65-0	1,3-Dinitrobenzene	0.20	U	0.080	0.20	0.30	0.30
118-96-7	2,4,6-Trinitrotoluene	0.20	U	0.089	0.20	0.50	0.50
121-14-2	2,4-Dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
606-20-2	2,6-Dinitrotoluene	0.20	U	0.070	0.20	0.30	0.30
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U	0.089	0.20	0.30	0.30
88-72-2	2-Nitrotoluene	0.20	U	0.089	0.20	0.30	0.30
618-87-1	3,5-Dinitroaniline	0.20	U	0.089	0.20	0.30	0.30
99-08-1	3-Nitrotoluene	0.30	U	0.11	0.30	0.50	0.50
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
99-99-0	4-Nitrotoluene	0.20	U	0.099	0.20	0.50	0.50
2691-41-0	HMX	0.30	U	0.12	0.30	0.50	0.50
98-95-3	Nitrobenzene	0.20	U	0.099	0.20	0.50	0.50
55-63-0	Nitroglycerin	1.2	U	0.50	1.2	2.0	2.0
78-11-5	PETN	1.2	U	0.60	1.2	2.0	2.0
121-82-4	RDX	0.30	U	0.14	0.30	0.50	0.50
479-45-8	Tetryl	0.20	U	0.089	0.20	0.30	0.30

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	4.97 (g/L)	CTL Sample ID:	337826
% Solids:	96.2	Date Received:	08/13/2013
Conc. Extract Vol:	10.0 (mL)	Date/Time Prepared:	08/22/2013 / 12:30
Analytical Method:	EPA 8330	Analytical Prep Batch #	45486
Analytical Run #:	97061	Dilution Factor:	1.00
Date & Time Analyzed:	08/28/2013 / 12:06	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	Methods	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
556-88-7	Nitroguanidine	0.12	U	0.060	0.12	0.25	0.25

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.99 (g/L)	CTL Sample ID:	337826
% Solids:	96.2	Date Received:	08/13/2013
Conc. Extract Vol:	20.0 (mL)	Date/Time Prepared:	08/22/2013 / 13:30
Analytical Method:	EPA 8330B	Analytical Prep Batch #	45484
Analytical Run #:	97058	Dilution Factor:	1.00
Date & Time Analyzed:	08/27/2013 / 14:43	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	042513expic-pri	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
99-35-4	1,3,5-Trinitrobenzene	0.30	U	0.13	0.30	0.50	0.50
99-65-0	1,3-Dinitrobenzene	0.20	U	0.080	0.20	0.30	0.30
118-96-7	2,4,6-Trinitrotoluene	0.20	U	0.090	0.20	0.50	0.50
121-14-2	2,4-Dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
606-20-2	2,6-Dinitrotoluene	0.20	U	0.070	0.20	0.30	0.30
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U	0.090	0.20	0.30	0.30
88-72-2	2-Nitrotoluene	0.20	U	0.090	0.20	0.30	0.30
618-87-1	3,5-Dinitroaniline	0.20	U	0.090	0.20	0.30	0.30
99-08-1	3-Nitrotoluene	0.30	U	0.11	0.30	0.50	0.50
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
99-99-0	4-Nitrotoluene	0.20	U	0.10	0.20	0.50	0.50
2691-41-0	HMX	0.30	U	0.12	0.30	0.50	0.50
98-95-3	Nitrobenzene	0.20	U	0.10	0.20	0.50	0.50
55-63-0	Nitroglycerin	1.2	U	0.50	1.2	2.0	2.0
78-11-5	PETN	1.2	U	0.60	1.2	2.0	2.0
121-82-4	RDX	0.30	U	0.14	0.30	0.50	0.50
479-45-8	Tetryl	0.20	U	0.090	0.20	0.30	0.30

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	4.98 (g/L)	CTL Sample ID:	337828
% Solids:	96.6	Date Received:	08/13/2013
Conc. Extract Vol:	10.0 (mL)	Date/Time Prepared:	08/22/2013 / 12:30
Analytical Method:	EPA 8330	Analytical Prep Batch #	45486
Analytical Run #:	97061	Dilution Factor:	1.00
Date & Time Analyzed:	08/28/2013 / 12:14	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	Methods	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
556-88-7	Nitroguanidine	0.12	U	0.060	0.12	0.25	0.25

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.03 (g/L)	CTL Sample ID:	337828
% Solids:	96.6	Date Received:	08/13/2013
Conc. Extract Vol:	20.0 (mL)	Date/Time Prepared:	08/22/2013 / 13:30
Analytical Method:	EPA 8330B	Analytical Prep Batch #	45484
Analytical Run #:	97058	Dilution Factor:	1.00
Date & Time Analyzed:	08/27/2013 / 15:01	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	042513expic-pri	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
99-35-4	1,3,5-Trinitrobenzene	0.30	U	0.13	0.30	0.50	0.50
99-65-0	1,3-Dinitrobenzene	0.20	U	0.080	0.20	0.30	0.30
118-96-7	2,4,6-Trinitrotoluene	0.20	U	0.090	0.20	0.50	0.50
121-14-2	2,4-Dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
606-20-2	2,6-Dinitrotoluene	0.20	U	0.070	0.20	0.30	0.30
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U	0.090	0.20	0.30	0.30
88-72-2	2-Nitrotoluene	0.20	U	0.090	0.20	0.30	0.30
618-87-1	3,5-Dinitroaniline	0.20	U	0.090	0.20	0.30	0.30
99-08-1	3-Nitrotoluene	0.30	U	0.11	0.30	0.50	0.50
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
99-99-0	4-Nitrotoluene	0.20	U	0.10	0.20	0.50	0.50
2691-41-0	HMX	0.30	U	0.12	0.30	0.50	0.50
98-95-3	Nitrobenzene	0.20	U	0.10	0.20	0.50	0.50
55-63-0	Nitroglycerin	1.2	U	0.50	1.2	2.0	2.0
78-11-5	PETN	1.2	U	0.60	1.2	2.0	2.0
121-82-4	RDX	0.30	U	0.14	0.30	0.50	0.50
479-45-8	Tetryl	0.20	U	0.090	0.20	0.30	0.30

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	5.04 (g/L)	CTL Sample ID:	337830
% Solids:	97.4	Date Received:	08/13/2013
Conc. Extract Vol:	10.0 (mL)	Date/Time Prepared:	08/22/2013 / 12:30
Analytical Method:	EPA 8330	Analytical Prep Batch #	45486
Analytical Run #:	97061	Dilution Factor:	1.00
Date & Time Analyzed:	08/28/2013 / 12:22	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	Methods	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
556-88-7	Nitroguanidine	0.12	U	0.060	0.12	0.25	0.25

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	9.99 (g/L)	CTL Sample ID:	337830
% Solids:	97.4	Date Received:	08/13/2013
Conc. Extract Vol:	20.0 (mL)	Date/Time Prepared:	08/22/2013 / 13:30
Analytical Method:	EPA 8330B	Analytical Prep Batch #	45484
Analytical Run #:	97058	Dilution Factor:	1.00
Date & Time Analyzed:	08/27/2013 / 15:20	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	042513expic-pri	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
99-35-4	1,3,5-Trinitrobenzene	0.30	U	0.13	0.30	0.50	0.50
99-65-0	1,3-Dinitrobenzene	0.20	U	0.080	0.20	0.30	0.30
118-96-7	2,4,6-Trinitrotoluene	0.20	U	0.090	0.20	0.50	0.50
121-14-2	2,4-Dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
606-20-2	2,6-Dinitrotoluene	0.20	U	0.070	0.20	0.30	0.30
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U	0.090	0.20	0.30	0.30
88-72-2	2-Nitrotoluene	0.20	U	0.090	0.20	0.30	0.30
618-87-1	3,5-Dinitroaniline	0.20	U	0.090	0.20	0.30	0.30
99-08-1	3-Nitrotoluene	0.30	U	0.11	0.30	0.50	0.50
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
99-99-0	4-Nitrotoluene	0.20	U	0.10	0.20	0.50	0.50
2691-41-0	HMX	0.30	U	0.12	0.30	0.50	0.50
98-95-3	Nitrobenzene	0.20	U	0.10	0.20	0.50	0.50
55-63-0	Nitroglycerin	1.2	U	0.50	1.2	2.0	2.0
78-11-5	PETN	1.2	U	0.60	1.2	2.0	2.0
121-82-4	RDX	0.30	U	0.14	0.30	0.50	0.50
479-45-8	Tetryl	0.20	U	0.090	0.20	0.30	0.30

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	5.00 (g/L)	CTL Sample ID:	337832
% Solids:	95.3	Date Received:	08/13/2013
Conc. Extract Vol:	10.0 (mL)	Date/Time Prepared:	08/22/2013 / 12:30
Analytical Method:	EPA 8330	Analytical Prep Batch #	45486
Analytical Run #:	97061	Dilution Factor:	1.00
Date & Time Analyzed:	08/28/2013 / 12:30	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	Methods	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
556-88-7	Nitroguanidine	0.12	U	0.060	0.12	0.25	0.25

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	337832
% Solids:	95.3	Date Received:	08/13/2013
Conc. Extract Vol:	20.0 (mL)	Date/Time Prepared:	08/22/2013 / 13:30
Analytical Method:	EPA 8330B	Analytical Prep Batch #	45484
Analytical Run #:	97058	Dilution Factor:	1.00
Date & Time Analyzed:	08/27/2013 / 15:38	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	042513expic-pri	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
99-35-4	1,3,5-Trinitrobenzene	0.30	U	0.13	0.30	0.50	0.50
99-65-0	1,3-Dinitrobenzene	0.20	U	0.080	0.20	0.30	0.30
118-96-7	2,4,6-Trinitrotoluene	0.20	U	0.090	0.20	0.50	0.50
121-14-2	2,4-Dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
606-20-2	2,6-Dinitrotoluene	0.20	U	0.070	0.20	0.30	0.30
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U	0.090	0.20	0.30	0.30
88-72-2	2-Nitrotoluene	0.20	U	0.090	0.20	0.30	0.30
618-87-1	3,5-Dinitroaniline	0.20	U	0.090	0.20	0.30	0.30
99-08-1	3-Nitrotoluene	0.30	U	0.11	0.30	0.50	0.50
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
99-99-0	4-Nitrotoluene	0.20	U	0.10	0.20	0.50	0.50
2691-41-0	HMX	0.30	U	0.12	0.30	0.50	0.50
98-95-3	Nitrobenzene	0.20	U	0.10	0.20	0.50	0.50
55-63-0	Nitroglycerin	1.2	U	0.50	1.2	2.0	2.0
78-11-5	PETN	1.2	U	0.60	1.2	2.0	2.0
121-82-4	RDX	0.30	U	0.14	0.30	0.50	0.50
479-45-8	Tetryl	0.20	U	0.090	0.20	0.30	0.30

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	5.00 (g/L)	CTL Sample ID:	337834
% Solids:	96.9	Date Received:	08/13/2013
Conc. Extract Vol:	10.0 (mL)	Date/Time Prepared:	08/22/2013 / 12:30
Analytical Method:	EPA 8330	Analytical Prep Batch #	45486
Analytical Run #:	97061	Dilution Factor:	1.00
Date & Time Analyzed:	08/28/2013 / 12:39	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	Methods	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
556-88-7	Nitroguanidine	0.12	U	0.060	0.12	0.25	0.25

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EXPLOSIVES ANALYSIS

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOIL	SDG No.:	99211
Sample wt/vol:	10.00 (g/L)	CTL Sample ID:	337834
% Solids:	96.9	Date Received:	08/13/2013
Conc. Extract Vol:	20.0 (mL)	Date/Time Prepared:	08/22/2013 / 13:30
Analytical Method:	EPA 8330B	Analytical Prep Batch #	45484
Analytical Run #:	97058	Dilution Factor:	1.00
Date & Time Analyzed:	08/27/2013 / 15:56	GPC Cleanup Date/Time:	/
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	042513expic-pri	Concentration Units:	mg/kg

CAS NO.	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
99-35-4	1,3,5-Trinitrobenzene	0.30	U	0.13	0.30	0.50	0.50
99-65-0	1,3-Dinitrobenzene	0.20	U	0.080	0.20	0.30	0.30
118-96-7	2,4,6-Trinitrotoluene	0.20	U	0.090	0.20	0.50	0.50
121-14-2	2,4-Dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
606-20-2	2,6-Dinitrotoluene	0.20	U	0.070	0.20	0.30	0.30
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U	0.090	0.20	0.30	0.30
88-72-2	2-Nitrotoluene	0.20	U	0.090	0.20	0.30	0.30
618-87-1	3,5-Dinitroaniline	0.20	U	0.090	0.20	0.30	0.30
99-08-1	3-Nitrotoluene	0.30	U	0.11	0.30	0.50	0.50
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U	0.080	0.20	0.30	0.30
99-99-0	4-Nitrotoluene	0.20	U	0.10	0.20	0.50	0.50
2691-41-0	HMX	0.30	U	0.12	0.30	0.50	0.50
98-95-3	Nitrobenzene	0.20	U	0.10	0.20	0.50	0.50
55-63-0	Nitroglycerin	1.2	U	0.50	1.2	2.0	2.0
78-11-5	PETN	1.2	U	0.60	1.2	2.0	2.0
121-82-4	RDX	0.30	U	0.14	0.30	0.50	0.50
479-45-8	Tetryl	0.20	U	0.090	0.20	0.30	0.30

CT LABORATORIES
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1B-2

EXPLOSIVES ANALYSIS (MB)

Sample Description: **METHOD BLANK**

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:		SDG No.:	99211
Sample wt/vol:	10.03 (g/L)	CTL Sample ID:	338927
% Solids:		Date Received:	08/13/2013
Conc. Extract Vol:	20.0 (mL)	Date/Time Prepared:	08/22/2013 / 13:30
Analytical Method:	EPA 8330B	Analytical Prep Batch #	45484
Analytical Run #:	97058	Dilution Factor:	1.00
Cleanup Date/Time/Type:	. . ,		
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	042513expic-pri	Concentration Units:	mg/kg

CAS NO.	Analyte	Analysis Date/Time		Concentration	Qualifiers	DL/LOD	RL	*Control Limit*
99-35-4	1,3,5-Trinitrobenzene	08/27/2013	10:45	0.13	U	0.13	0.50	***0.25***
99-65-0	1,3-Dinitrobenzene	08/27/2013	10:45	0.08	U	0.08	0.30	***0.15***
118-96-7	2,4,6-Trinitrotoluene	08/27/2013	10:45	0.09	U	0.09	0.50	***0.25***
121-14-2	2,4-Dinitrotoluene	08/27/2013	10:45	0.08	U	0.08	0.30	***0.15***
606-20-2	2,6-Dinitrotoluene	08/27/2013	10:45	0.07	U	0.07	0.30	***0.15***
35572-78-2	2-Amino-4,6-dinitrotoluene	08/27/2013	10:45	0.09	U	0.09	0.30	***0.15***
88-72-2	2-Nitrotoluene	08/27/2013	10:45	0.09	U	0.09	0.30	***0.15***
618-87-1	3,5-Dinitroaniline	08/27/2013	10:45	0.09	U	0.09	0.30	***0.15***
99-08-1	3-Nitrotoluene	08/27/2013	10:45	0.11	U	0.11	0.50	***0.25***
19406-51-0	4-Amino-2,6-dinitrotoluene	08/27/2013	10:45	0.08	U	0.08	0.30	***0.15***
99-99-0	4-Nitrotoluene	08/27/2013	10:45	0.10	U	0.10	0.50	***0.25***
2691-41-0	HMX	08/27/2013	10:45	0.12	U	0.12	0.50	***0.25***
98-95-3	Nitrobenzene	08/27/2013	10:45	0.10	U	0.10	0.50	***0.25***
55-63-0	Nitroglycerin	08/27/2013	10:45	0.5	U	0.5	2.0	***1.0***
78-11-5	PETN	08/27/2013	10:45	0.6	U	0.6	2.0	***1.0***
121-82-4	RDX	08/27/2013	10:45	0.14	U	0.14	0.50	***0.25***
479-45-8	Tetryl	08/27/2013	10:45	0.09	U	0.09	0.30	***0.15***

CT LABORATORIES
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1B-2

EXPLOSIVES ANALYSIS (MB)

Sample Description: **METHOD BLANK**

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:		SDG No.:	99211
Sample wt/vol:	4.99 (g/L)	CTL Sample ID:	338935
% Solids:		Date Received:	08/13/2013
Conc. Extract Vol:	10.0 (mL)	Date/Time Prepared:	08/22/2013 / 12:30
Analytical Method:	EPA 8330	Analytical Prep Batch #	45486
Analytical Run #:	97061	Dilution Factor:	1.00
Cleanup Date/Time/Type:	. . ,		
TCLP / SPLP / MLP or ASTM Procedure Extraction Date (*if applicable*):			/
ICAL Calibration #:	Methods	Concentration Units:	mg/kg

CAS NO.	Analyte	Analysis Date/Time	Concentration	Qualifiers	DL/LOD	RL	*Control Limit*
556-88-7	Nitroguanidine	08/28/2013 10:19	0.06	U	0.06	0.25	***0.125***

CT LABORATORIES
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2H-2

SOIL EXPLOSIVES SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Analytical Method: EPA 8330 | SDG: 99211

Analytical Run #: 97061 | ICAL Calibration #: Methods

CTLab #	337811				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	71	50	150	

CTLab #	337812				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	71	50	150	

CTLab #	337813				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	72	50	150	

CTLab #	337815				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	61	50	150	

CTLab #	337818				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	64	50	150	

CTLab #	337820				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	70	50	150	

CTLab #	337822				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	70	50	150	

CTLab #	337824				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	62	50	150	

CTLab #	337826				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	56	50	150	

CTLab #	337828				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	73	50	150	

CTLab #	337830				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	65	50	150	

CTLab #	337832				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	53	50	150	

CTLab #	337834				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	64	50	150	

CT LABORATORIES
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2H-2

SOIL EXPLOSIVES SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Analytical Method:	EPA 8330	SDG:	99211
Analytical Run #:	97061	ICAL Calibration #:	Methods

CTLab #	338935	Sample Type:		Method Blank	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	81.4	50	150	

CTLab #	338936	Sample Type:		Lab Control Spike	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	68.7	50	150	

CTLab #	338938	Sample Type:		Matrix Spike	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	50.3	50	150	

CTLab #	338939	Sample Type:		Matrix Spike Duplicate	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	55.7	50	150	

CT LABORATORIES
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2H-2

SOIL EXPLOSIVES SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Analytical Method:	EPA 8330B	SDG:	99211
Analytical Run #:	97058	ICAL Calibration #:	042513expic-pri

CTLab #	337811				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	132	74	134	

CTLab #	337812				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	109	74	134	

CTLab #	337813				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	128	74	134	

CTLab #	337815				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	122	74	134	

CTLab #	337818				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	115	74	134	

CTLab #	337820				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	95	74	134	

CTLab #	337822				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	108	74	134	

CTLab #	337824				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	95	74	134	

CTLab #	337826				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	125	74	134	

CTLab #	337828				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	90	74	134	

CTLab #	337830				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	89	74	134	

CTLab #	337832				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	119	74	134	

CTLab #	337834				
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	141	74	134	*FAIL*

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2H-2

SOIL EXPLOSIVES SYSTEM MONITORING COMPOUND RECOVERY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Analytical Method:	EPA 8330B	SDG:	99211
Analytical Run #:	97058	ICAL Calibration #:	042513expic-pri

CTLab #	338927	Sample Type:		Method Blank	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene		82.8	74	134	

CTLab #	338928	Sample Type:		Lab Control Spike	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	96.0	74	134	

CTLab #	338929	Sample Type:		Matrix Spike	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	93.0	74	134	

CTLab #	338930	Sample Type:		Matrix Spike Duplicate	
Surrogate	**Spike Amount**	**% Recovery**	**Lower Limit**	**Upper Limit**	**Qualifier**
1,2-Dinitrobenzene	100	97.9	74	134	

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3H

Sample Description

SOIL EXPLOSIVES MATRIX SPIKE RECOVERY

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8330 Concentration Units: mg/kg

Analytical Run #: 97061 Sample No.: 338938 Parent Sample No.: 337815

Analytical Prep Batch #: 45486 Analytical Preparation Date/Time: 08/22/2013 12:30

ICAL Calibration #: Methods

Analyte	Analysis Date/Time	Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R
Nitroguanidine	08/28/2013 12:47	37-134	1.53	BDL	1.99	77

Spike Recovery: 0 out of 1 outside QC limits

CT LABORATORIES
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3H

SOIL EXPLOSIVES MATRIX SPIKE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8330B Concentration Units: mg/kg

Analytical Run #: 97058 Sample No.: 338929 Parent Sample No.: 337815

Analytical Prep Batch #: 45484 Analytical Preparation Date/Time: 08/22/2013 13:30

ICAL Calibration #: 042513expic-pri

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R
1,3,5-Trinitrobenzene	08/27/2013	16:15	70-126	1.75	BDL	2.01	87
1,3-Dinitrobenzene	08/27/2013	16:15	74-120	1.73	BDL	2.01	86
2,4,6-Trinitrotoluene	08/27/2013	16:15	63-128	1.83	BDL	2.01	91
2,4-Dinitrotoluene	08/27/2013	16:15	69-128	1.67	BDL	2.01	83
2,6-Dinitrotoluene	08/27/2013	16:15	68-125	1.83	BDL	2.01	91
2-Amino-4,6-dinitrotoluene	08/27/2013	16:15	73-123	1.81	BDL	2.01	90
2-Nitrotoluene	08/27/2013	16:15	75-119	1.88	BDL	2.01	94
3,5-Dinitroaniline	08/27/2013	16:15	54-124	1.83	BDL	2.01	91
3-Nitrotoluene	08/27/2013	16:15	77-121	1.92	BDL	2.01	96
4-Amino-2,6-dinitrotoluene	08/27/2013	16:15	66-127	1.78	BDL	2.01	89
4-Nitrotoluene	08/27/2013	16:15	74-122	1.75	BDL	2.01	87
HMX	08/27/2013	16:15	66-129	1.99	BDL	2.01	99
Nitrobenzene	08/27/2013	16:15	72-126	1.69	BDL	2.01	84
Nitroglycerin	08/27/2013	16:15	66-130	6.98	BDL	8.02	87
PETN	08/27/2013	16:15	65-134	6.01	BDL	8.02	75
RDX	08/27/2013	16:15	72-123	1.83	BDL	2.01	91
Tetryl	08/27/2013	16:15	2-130	1.60	BDL	2.01	80

Spike Recovery: 0 out of 17 outside QC limits

CT LABORATORIES
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3H

Sample Description

SOIL EXPLOSIVES MATRIX SPIKE DUPLICATE RECOVERY

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8330 Concentration Units: mg/kg

Analytical Run #: 97061 Sample No.: 338939 Parent Sample No.: 338938

Analytical Prep Batch #: 45486 Analytical Preparation Date/Time: 08/22/2013 12:30

ICAL Calibration #: Methods

Analyte	Analysis Date/Time	Spike Result	Spike Amount	%R	%RPD	Control Limits (%R)	Control Limits (%RPD)
Nitroguanidine	08/28/2013 12:55	1.63	2.01	81	6	37-134	30

RPD or Spike Recovery: 0 out of 1 outside QC limits

CT LABORATORIES
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3H

Sample Description

SOIL EXPLOSIVES MATRIX SPIKE DUPLICATE RECOVERY

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOIL SDG No.: 99211

Analytical Method: EPA 8330B Concentration Units: mg/kg

Analytical Run #: 97058 Sample No.: 338930 Parent Sample No.: 338929

Analytical Prep Batch #: 45484 Analytical Preparation Date/Time: 08/22/2013 13:30

ICAL Calibration #: 042513expic-pri

Analyte	Analysis Date/Time		Spike Result	Spike Amount	%R	%RPD	Control Limits (%R)	Control Limits (%RPD)	
1,3,5-Trinitrobenzene	08/27/2013	16:33	1.85	2.00	92	6	70-126	18	
1,3-Dinitrobenzene	08/27/2013	16:33	1.76	2.00	88	2	74-120	21	
2,4,6-Trinitrotoluene	08/27/2013	16:33	1.89	2.00	94	3	63-128	26	
2,4-Dinitrotoluene	08/27/2013	16:33	1.66	2.00	83	0	69-128	34	
2,6-Dinitrotoluene	08/27/2013	16:33	1.82	2.00	91	0	68-125	28	
2-Amino-4,6-dinitrotoluene	08/27/2013	16:33	1.79	2.00	90	1	73-123	19	
2-Nitrotoluene	08/27/2013	16:33	1.75	2.00	88	7	75-119	17	
3,5-Dinitroaniline	08/27/2013	16:33	2.06	2.00	103	12	54-124	24	
3-Nitrotoluene	08/27/2013	16:33	1.45	2.00	72	28	77-121	20	*FAIL*
4-Amino-2,6-dinitrotoluene	08/27/2013	16:33	1.70	2.00	85	4	66-127	25	
4-Nitrotoluene	08/27/2013	16:33	1.48	2.00	74	16	74-122	22	
HMX	08/27/2013	16:33	2.18	2.00	109	9	66-129	24	
Nitrobenzene	08/27/2013	16:33	1.77	2.00	88	4	72-126	21	
Nitroglycerin	08/27/2013	16:33	7.42	8.02	93	6	66-130	24	
PETN	08/27/2013	16:33	7.53	8.02	94	23	65-134	22	*FAIL*
RDX	08/27/2013	16:33	1.98	2.00	99	8	72-123	32	
Tetryl	08/27/2013	16:33	1.76	2.00	88	10	2-130	27	

RPD or Spike Recovery: 2 out of 17 outside QC limits

CT LABORATORIES
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3H

Sample Description

LCS

SOIL EXPLOSIVES LAB CONTROL SAMPLE

Lab Name: CT Laboratories Contract: ECC-RVAAP

Sample No.: 338928 SDG No.: 99211

Analytical Method: EPA 8330B Concentration Units: mg/kg

Analytical Run #: 97058 Sample No.: 338928 Parent Sample No.: 0

Analytical Prep Batch #: 45484 Analytical Preparation Date/Time: 08/22/2013 13:30

ICAL Calibration #: 042513expic-pri

Analyte	Analysis Date/Time		Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R
1,3,5-Trinitrobenzene	08/27/2013	11:04	70-126	1.80		2.00	90
1,3-Dinitrobenzene	08/27/2013	11:04	74-120	1.84		2.00	92
2,4,6-Trinitrotoluene	08/27/2013	11:04	63-128	1.52		2.00	76
2,4-Dinitrotoluene	08/27/2013	11:04	69-128	1.73		2.00	86
2,6-Dinitrotoluene	08/27/2013	11:04	68-125	1.87		2.00	94
2-Amino-4,6-dinitrotoluene	08/27/2013	11:04	73-123	1.75		2.00	88
2-Nitrotoluene	08/27/2013	11:04	75-119	1.67		2.00	84
3,5-Dinitroaniline	08/27/2013	11:04	54-124	1.64		2.00	82
3-Nitrotoluene	08/27/2013	11:04	77-121	1.56		2.00	78
4-Amino-2,6-dinitrotoluene	08/27/2013	11:04	66-127	1.39		2.00	70
4-Nitrotoluene	08/27/2013	11:04	74-122	1.67		2.00	84
HMX	08/27/2013	11:04	66-129	2.14		2.00	107
Nitrobenzene	08/27/2013	11:04	72-126	1.70		2.00	85
Nitroglycerin	08/27/2013	11:04	66-130	3.10		4.00	78
PETN	08/27/2013	11:04	65-134	4.21		4.00	105
RDX	08/27/2013	11:04	72-123	1.93		2.00	96
Tetryl	08/27/2013	11:04	2-130	1.31		2.00	66

Spike Recovery: 0 out of 17 outside limits

CT LABORATORIES
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3H

Sample Description

LCS

SOIL EXPLOSIVES LAB CONTROL SAMPLE

Lab Name: CT Laboratories Contract ECC-RVAAP

Sample No.: 338936 SDG No.: 99211

Analytical Method: EPA 8330 Concentration Units: mg/kg

Analytical Run #: 97061 Sample No.: 338936 Parent Sample No.: 0

Analytical Prep Batch #: 45486 Analytical Preparation Date/Time: 08/22/2013 12:30

ICAL Calibration #: Methods

Analyte	Analysis Date/Time	Control Limit (%R)	Spike Result	Parent Result	Spike Amount	%R
Nitroguanidine	08/28/2013 10:27	37-134	1.43		2.01	71

Spike Recovery: 0 out of 1 outside limits

CT LABORATORIES
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4B-1

EXPLOSIVES METHOD BLANK SUMMARY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Sample ID:	338927	SDG No.:	99211
Matrix:	SOLID	Date Extracted:	08/22/2013
Date Analyzed:	08/27/2013	Time Analyzed:	10:45
Analytical Method:	EPA 8330B	Extraction Method:	SW8330B
Analytical Run #:	97058	Extraction Batch #:	45484
		ICAL Calibration #:	042513expic-pri

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

SEQUENCE	SAMPLE DESCRIPTION	SAMPLE ID	DATE/TIME ANALYZED
1	MBS	338927	08/27/2013 10:45
2	LCSS	338928	08/27/2013 11:04
3	083SB-0001M-0001-SO	337811	08/27/2013 11:22
4	083SB-0002M-0001-SO	337812	08/27/2013 11:40
5	083SB-0003M-0001-SO	337813	08/27/2013 11:59
6	083SB-0004M-0001-SO	337815	08/27/2013 12:17
7	083SB-0005M-0001-SO	337818	08/27/2013 13:12
8	083SB-0006M-0001-SO	337820	08/27/2013 13:30
9	083SB-0008M-0001-SO	337822	08/27/2013 14:07
10	083SB-0009M-0001-SO	337824	08/27/2013 14:25
11	083SB-0011M-0001-SO	337826	08/27/2013 14:43
12	083SB-0012M-0001-SO	337828	08/27/2013 15:01
13	083SB-0013M-0001-SO	337830	08/27/2013 15:20
14	083SB-0014-0001-SO	337832	08/27/2013 15:38
15	083SB-0015M-0001-SO	337834	08/27/2013 15:56
16	083SB-0004M-0001-SOMSS	338929	08/27/2013 16:15
17	083SB-0004M-0001-SOMSDS	338930	08/27/2013 16:33

CT LABORATORIES
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4B-1

EXPLOSIVES METHOD BLANK SUMMARY

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Sample ID:	338935	SDG No.:	99211
Matrix:	SOLID	Date Extracted:	08/22/2013
Date Analyzed:	08/28/2013	Time Analyzed:	10:19
Analytical Method:	EPA 8330	Extraction Method:	SW3535
Analytical Run #:	97061	Extraction Batch #:	45486
		ICAL Calibration #:	Methods

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

SEQUENCE	SAMPLE DESCRIPTION	SAMPLE ID	DATE/TIME ANALYZED
1	MBS	338935	08/28/2013 10:19
2	LCSS	338936	08/28/2013 10:27
3	083SB-0001M-0001-SO	337811	08/28/2013 10:36
4	083SB-0002M-0001-SO	337812	08/28/2013 10:44
5	083SB-0003M-0001-SO	337813	08/28/2013 10:52
6	083SB-0004M-0001-SO	337815	08/28/2013 11:00
7	083SB-0005M-0001-SO	337818	08/28/2013 11:25
8	083SB-0006M-0001-SO	337820	08/28/2013 11:33
9	083SB-0008M-0001-SO	337822	08/28/2013 11:49
10	083SB-0009M-0001-SO	337824	08/28/2013 11:58
11	083SB-0011M-0001-SO	337826	08/28/2013 12:06
12	083SB-0012M-0001-SO	337828	08/28/2013 12:14
13	083SB-0013M-0001-SO	337830	08/28/2013 12:22
14	083SB-0014-0001-SO	337832	08/28/2013 12:30
15	083SB-0015M-0001-SO	337834	08/28/2013 12:39
16	083SB-0004M-0001-SOMSS	338938	08/28/2013 12:47
17	083SB-0004M-0001-SOMSDS	338939	08/28/2013 12:55

NITROAROMATICS ANALYSIS
SAMPLE DATA
DOCUMENTS

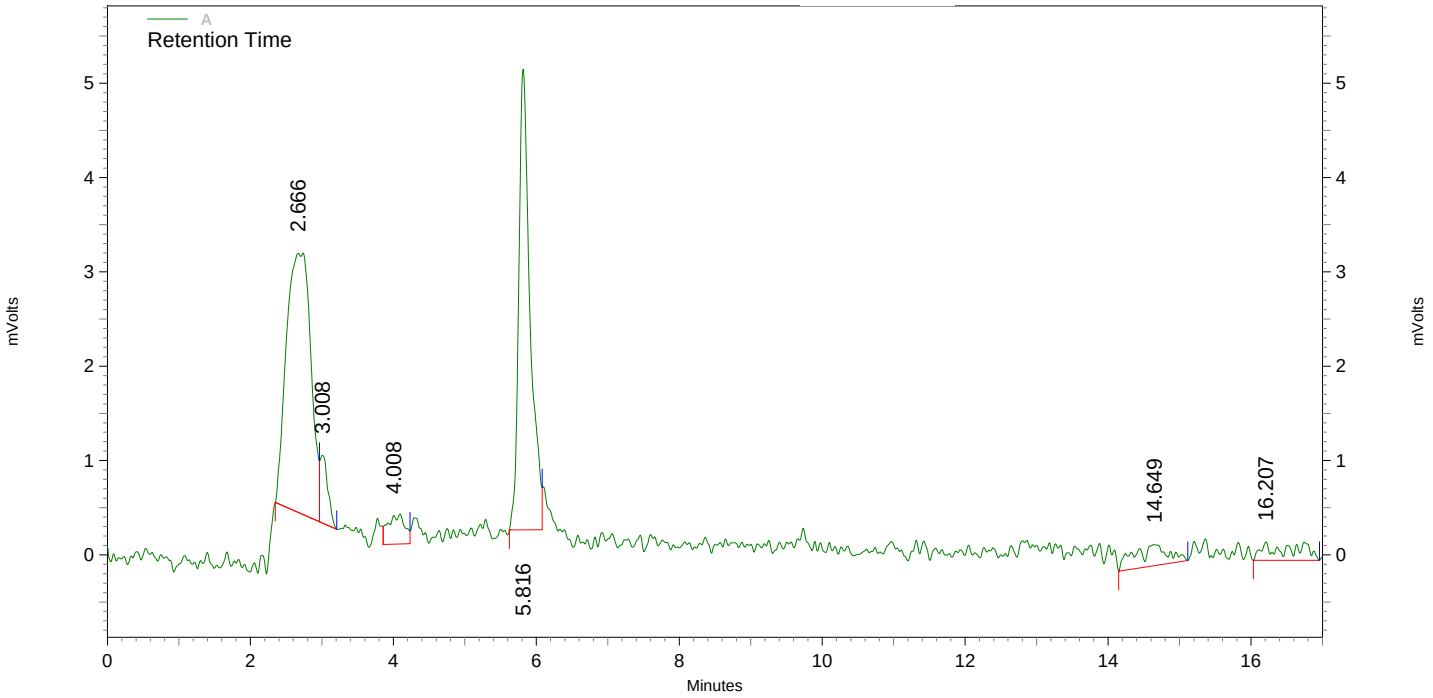
After Manual Integration

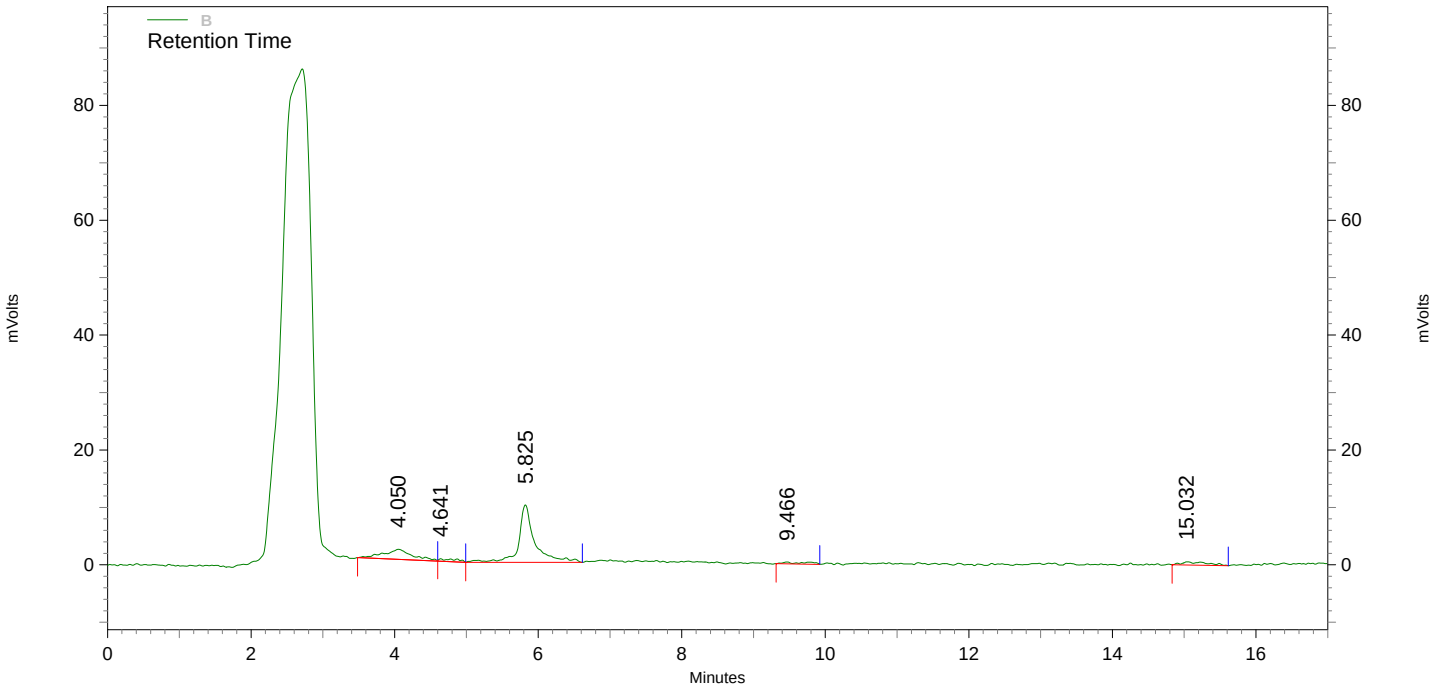
RED
09/05/2013

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\007.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337811,
Acquired: Aug 27, 2013 11:22:20
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.816	53645	**132.195**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

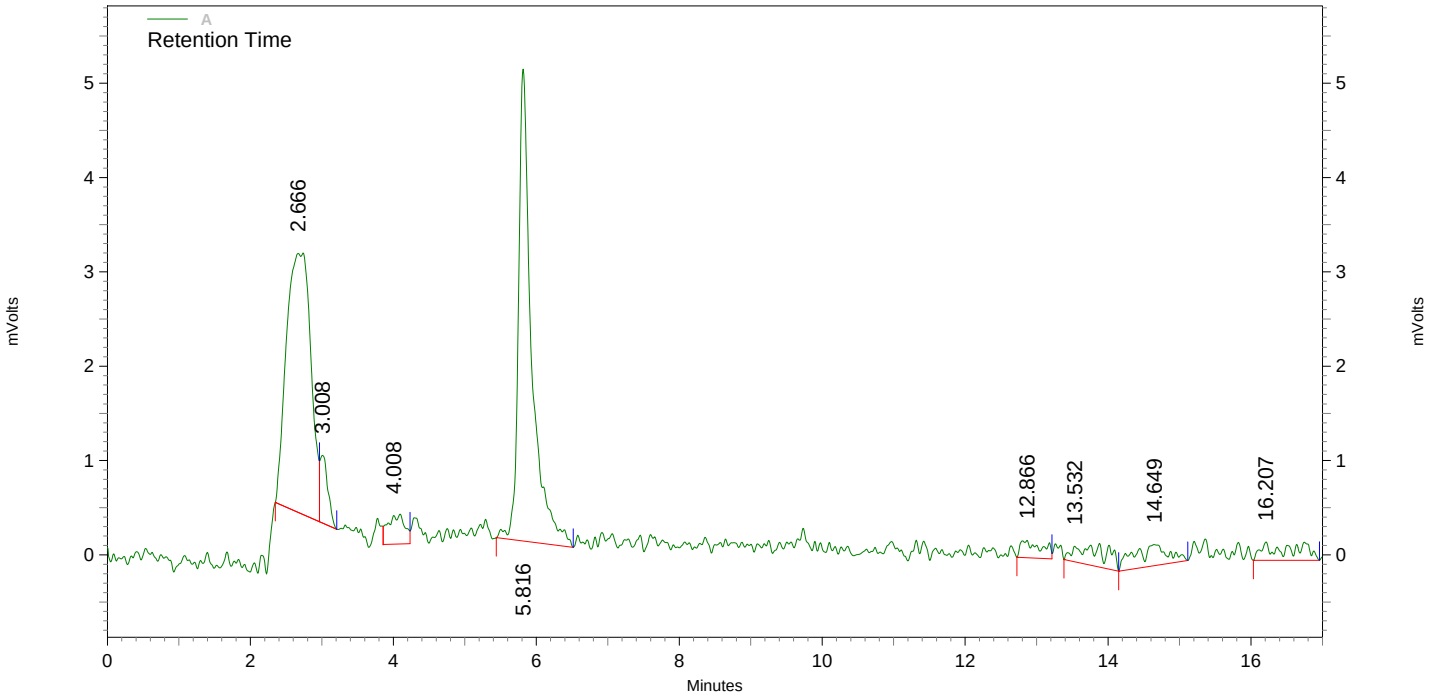
B Results

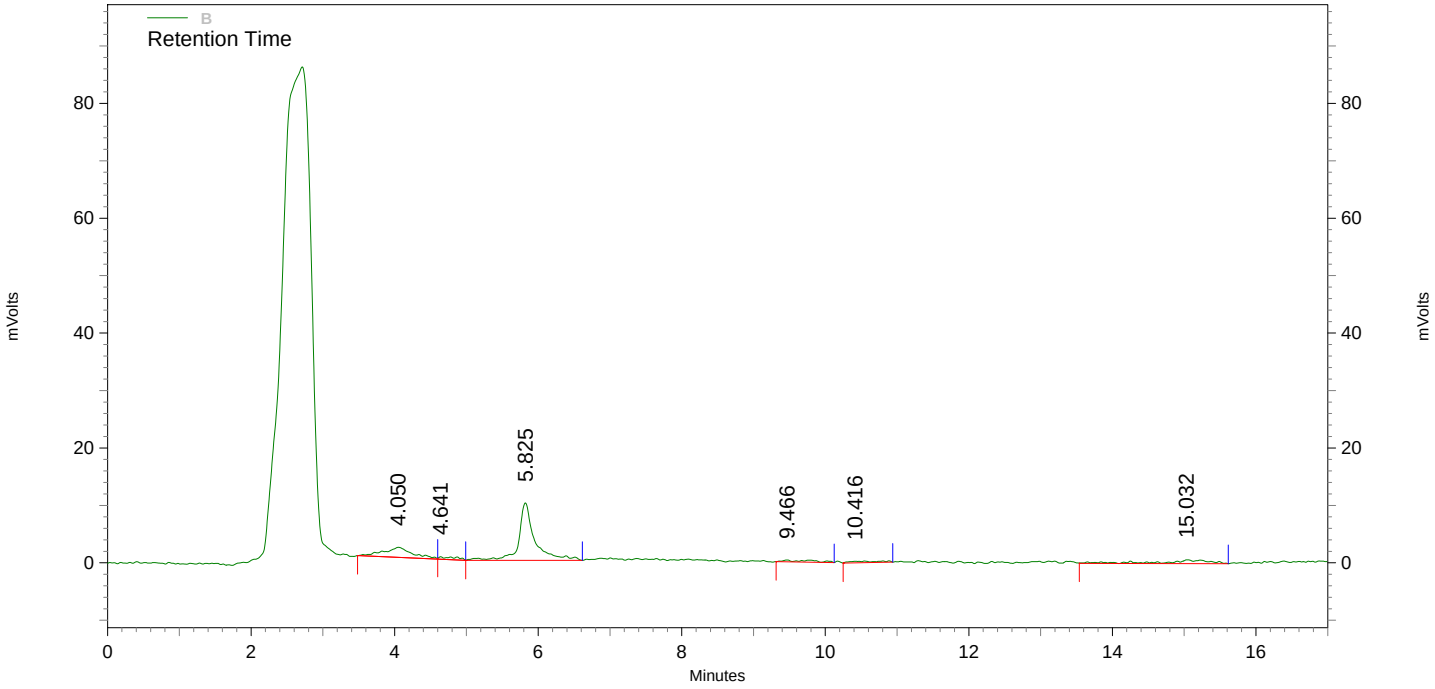
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\007.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337811,
Acquired: Aug 27, 2013 11:22:20
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.816	64012	**159.222**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT	12.866	3672	**0.014**
3-NT	13.532	6417	**0.049**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT	10.416	7205	**0.041**
PETN	15.032	30573	**0.316**

After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\008.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337812,
Acquired: Aug 27, 2013 11:40:38
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013

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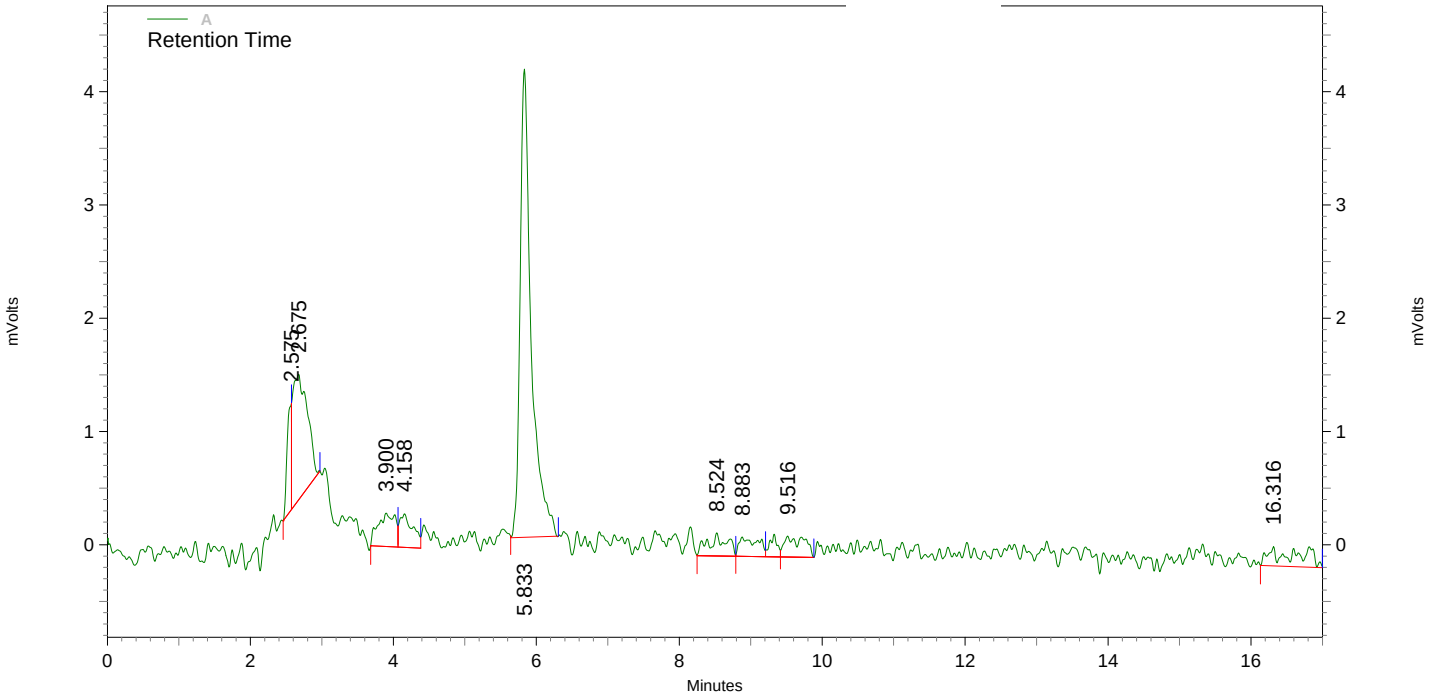
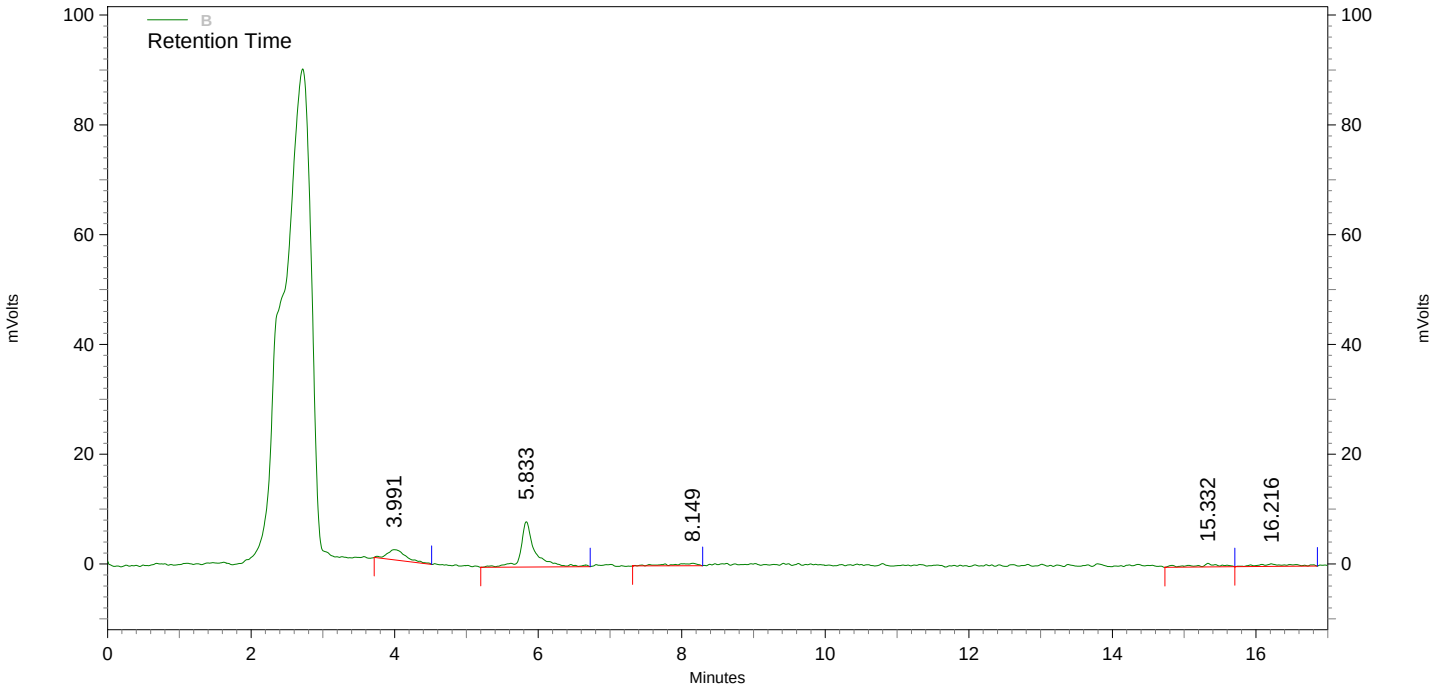
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.833	44777	**109.075**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT	8.883	3092	**0.000**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT	9.516	3615	**0.000**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

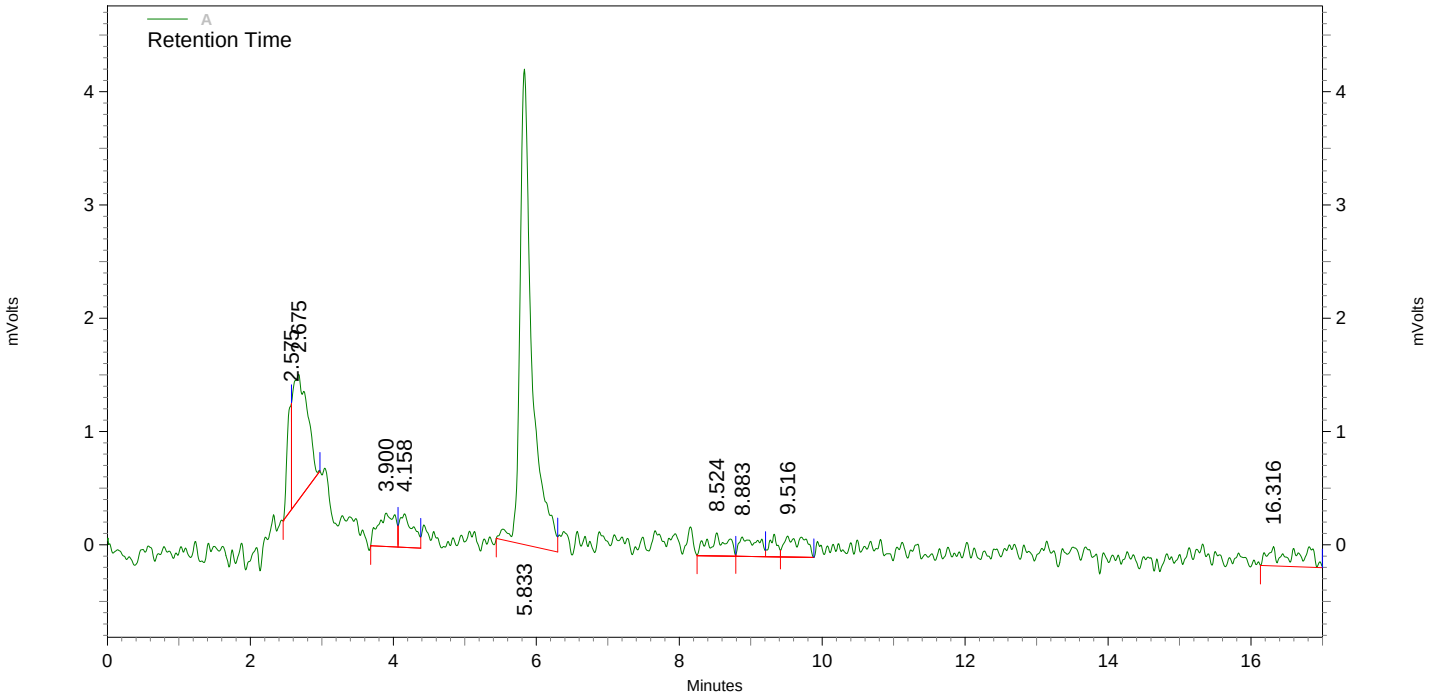
B Results

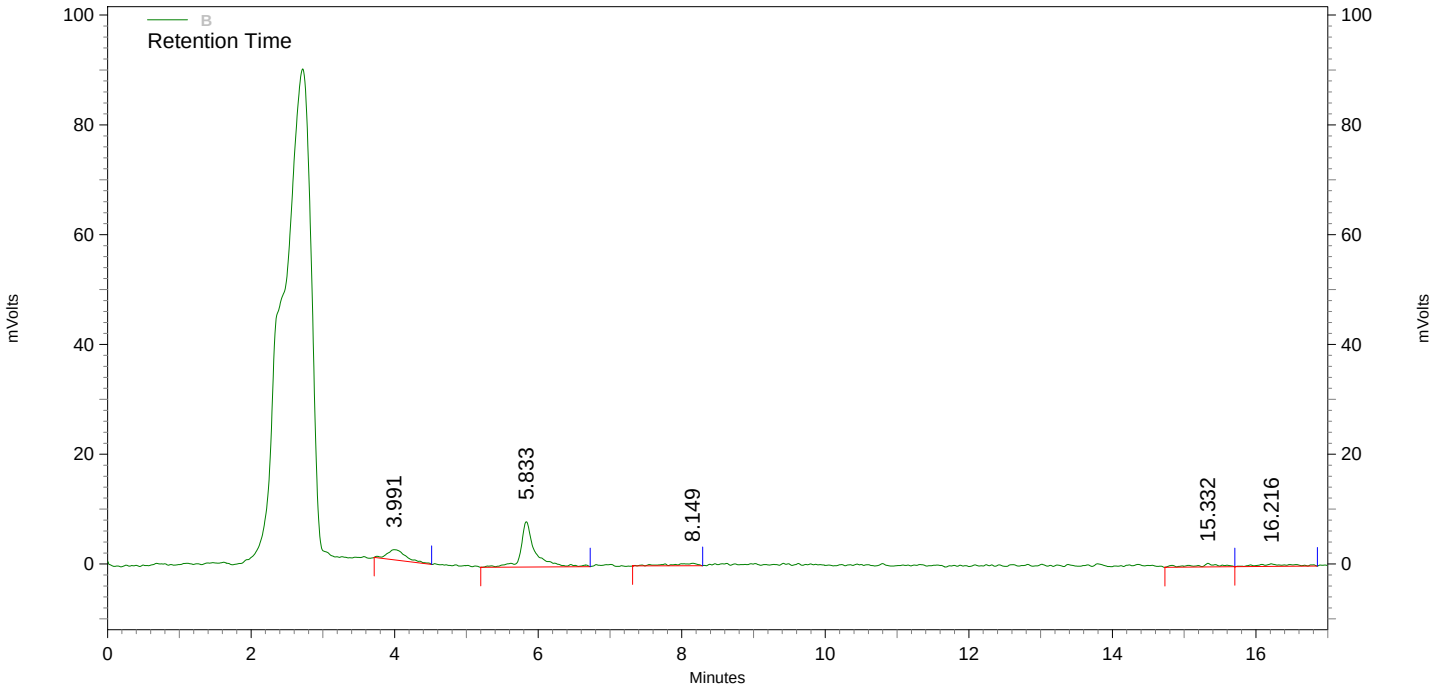
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\008.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337812,
Acquired: Aug 27, 2013 11:40:38
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013





A Results

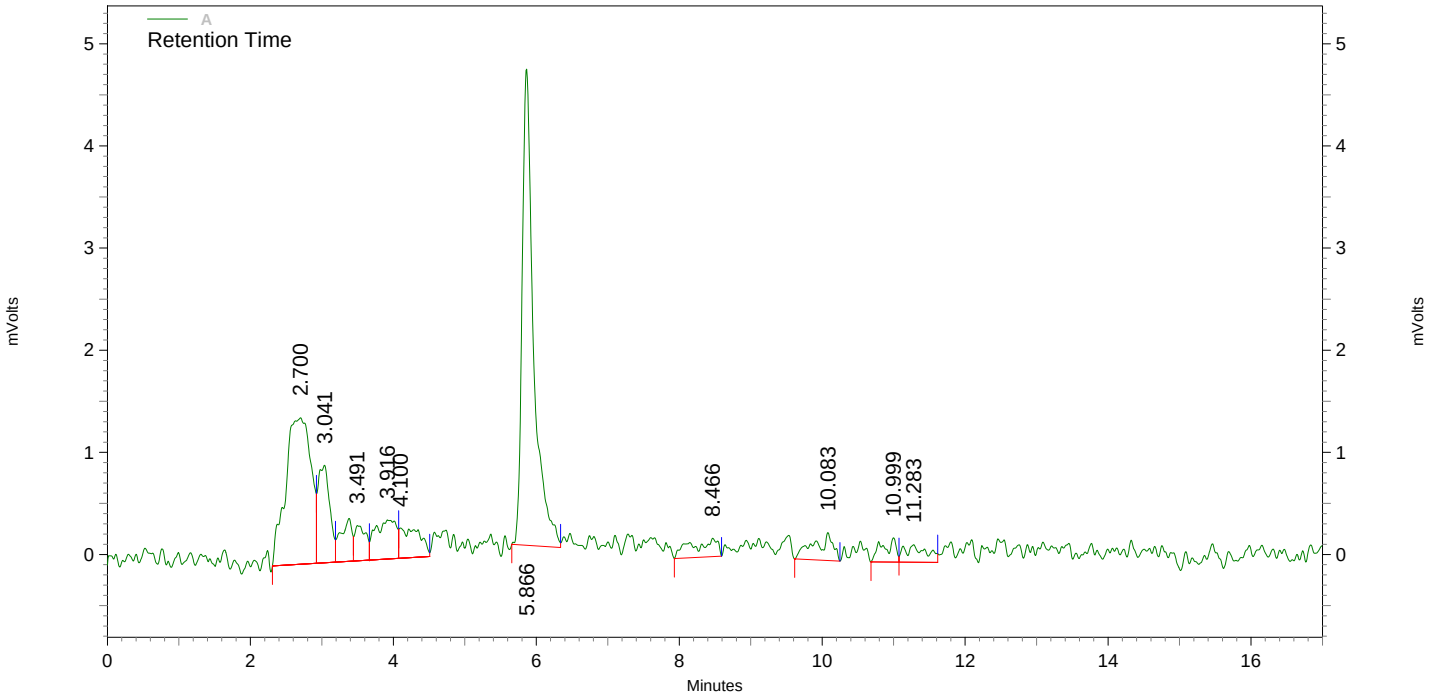
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.833	48909	**119.848**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT	8.883	3092	**0.000**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT	9.516	3615	**0.000**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

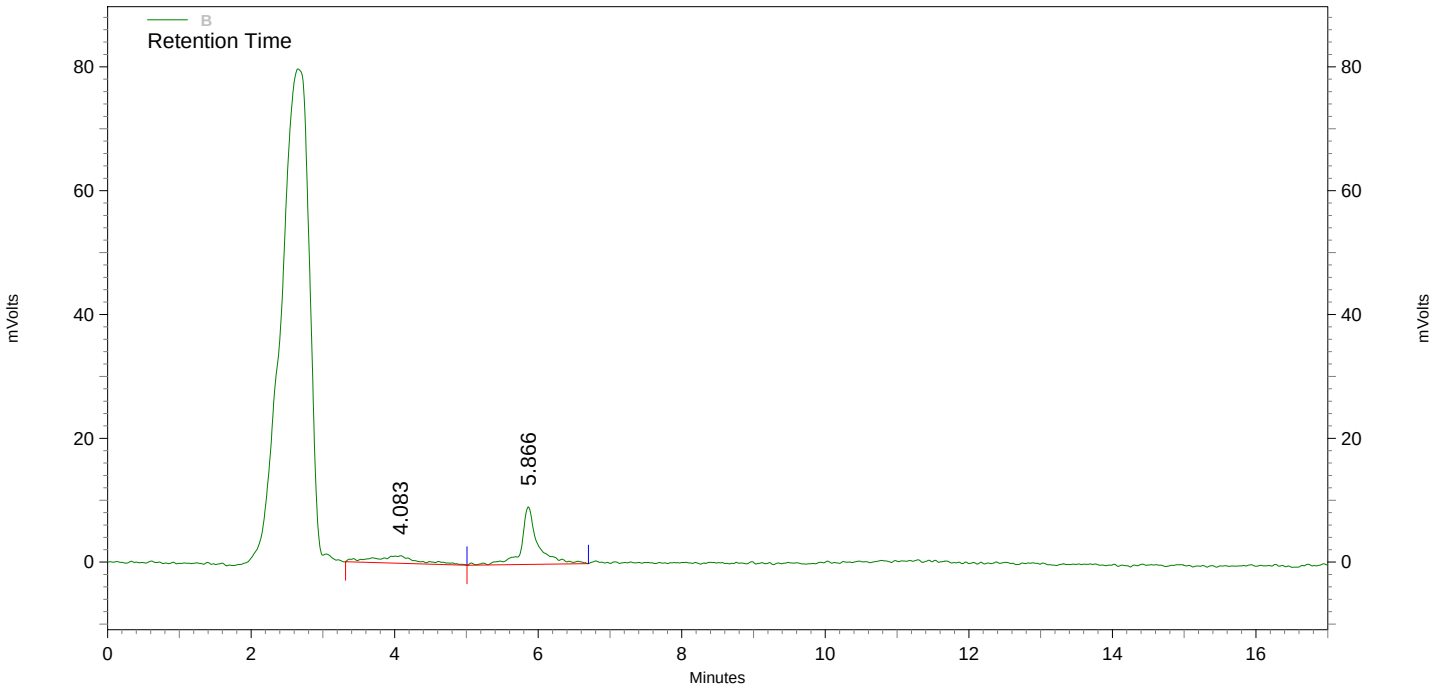
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\009.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337813,
Acquired: Aug 27, 2013 11:59:00
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.866	51931	**127.726**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\010.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337815,
Acquired: Aug 27, 2013 12:17:18
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013

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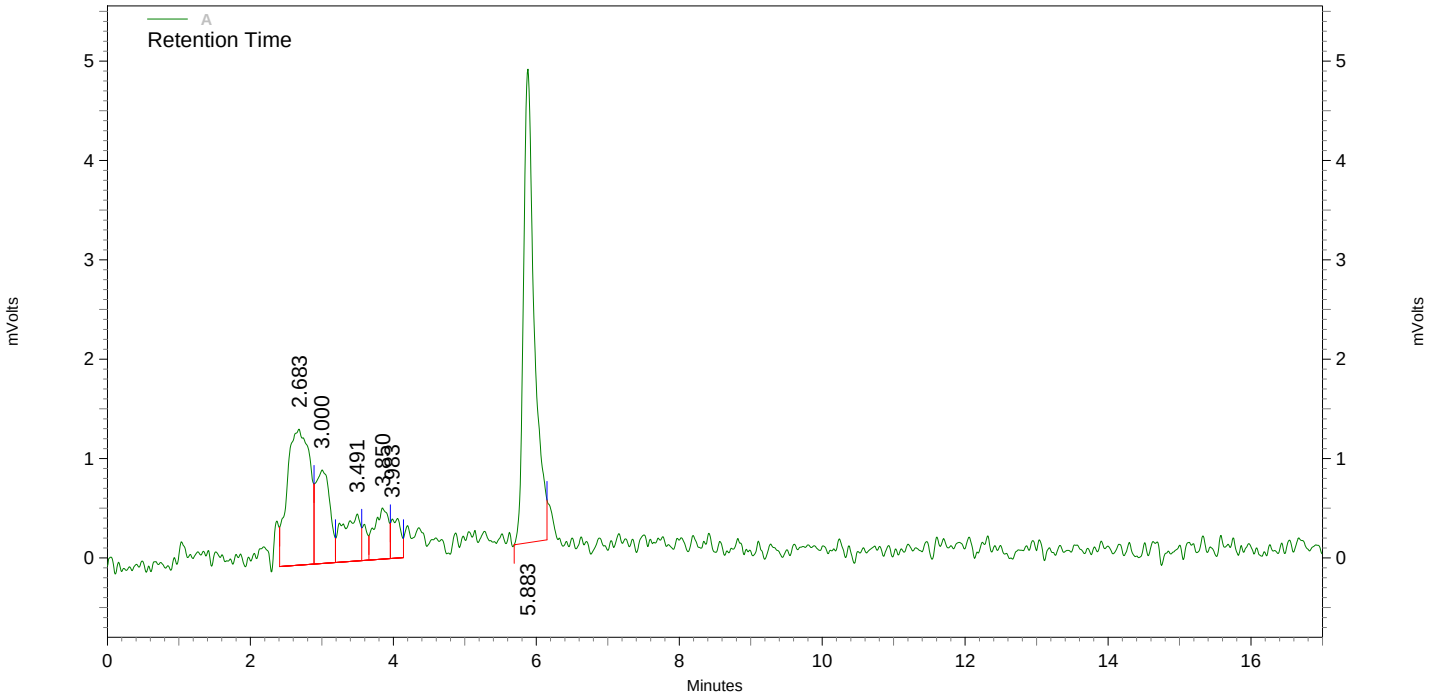
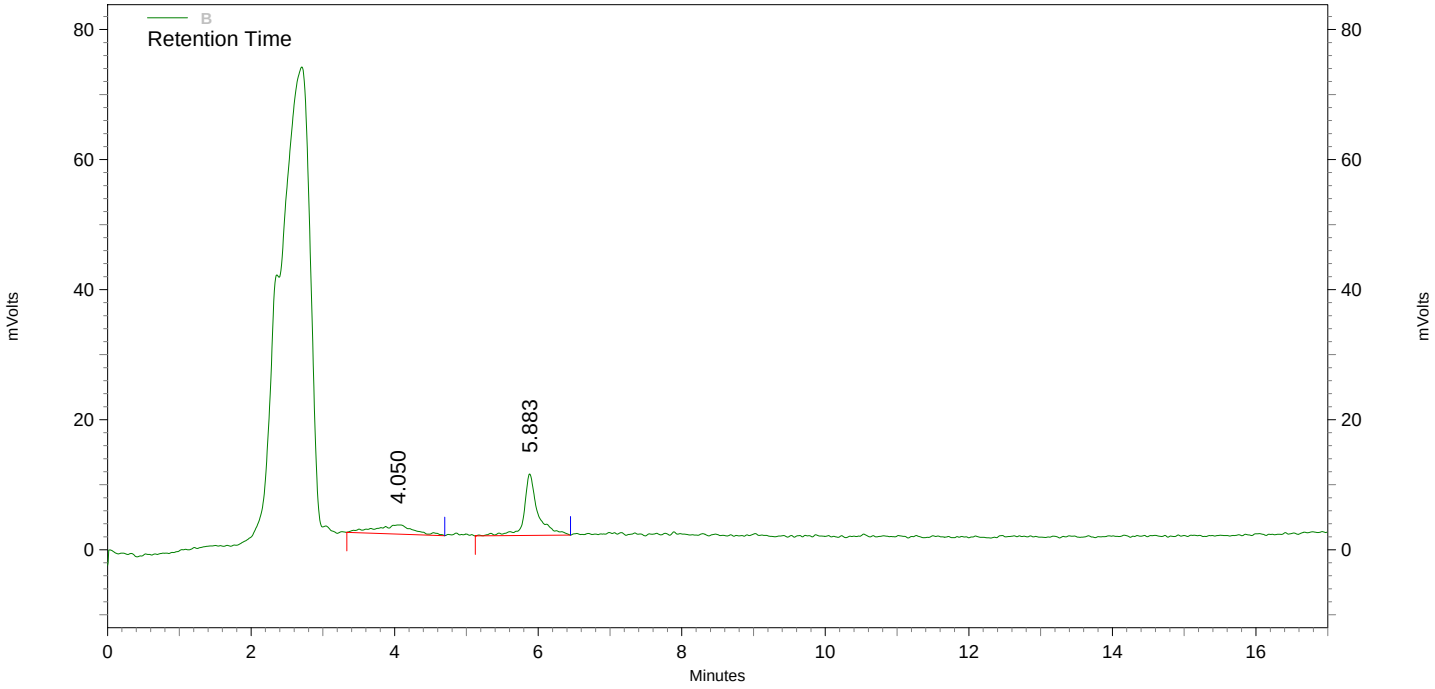
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.883	49882	**122.384**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

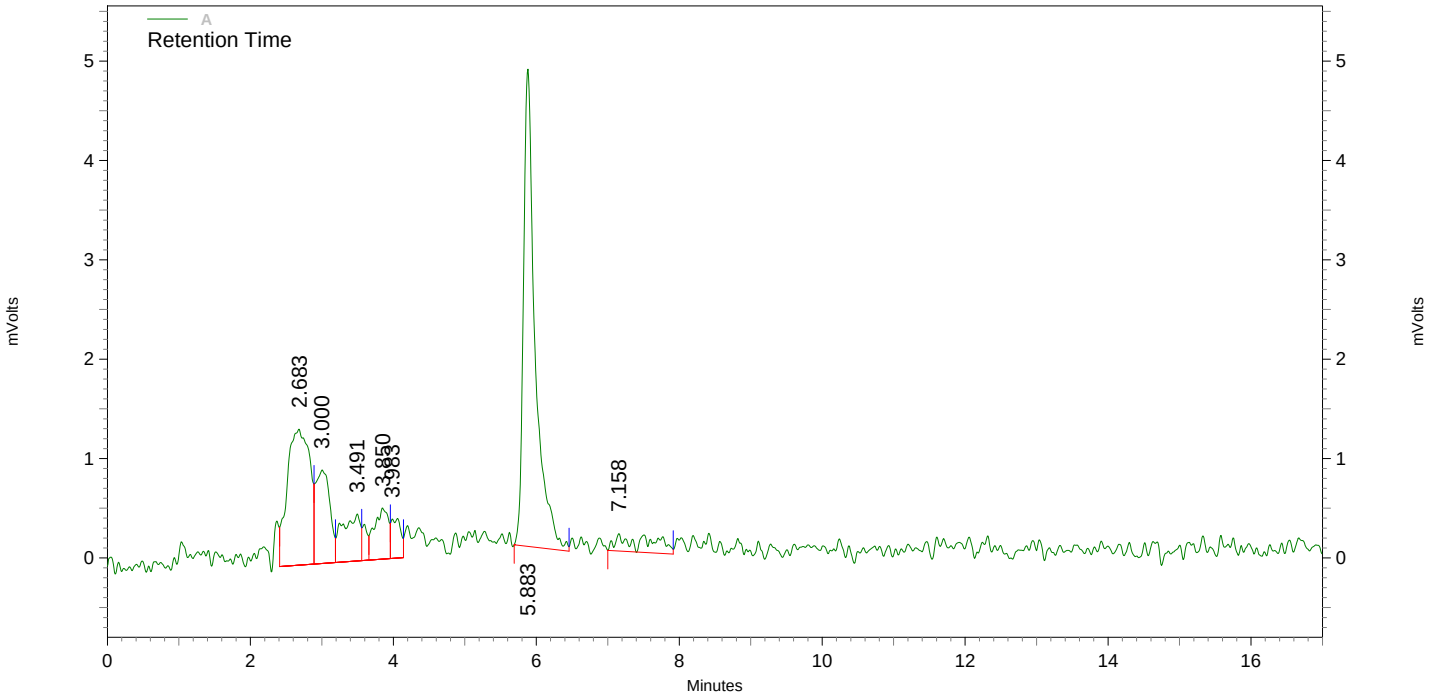
B Results

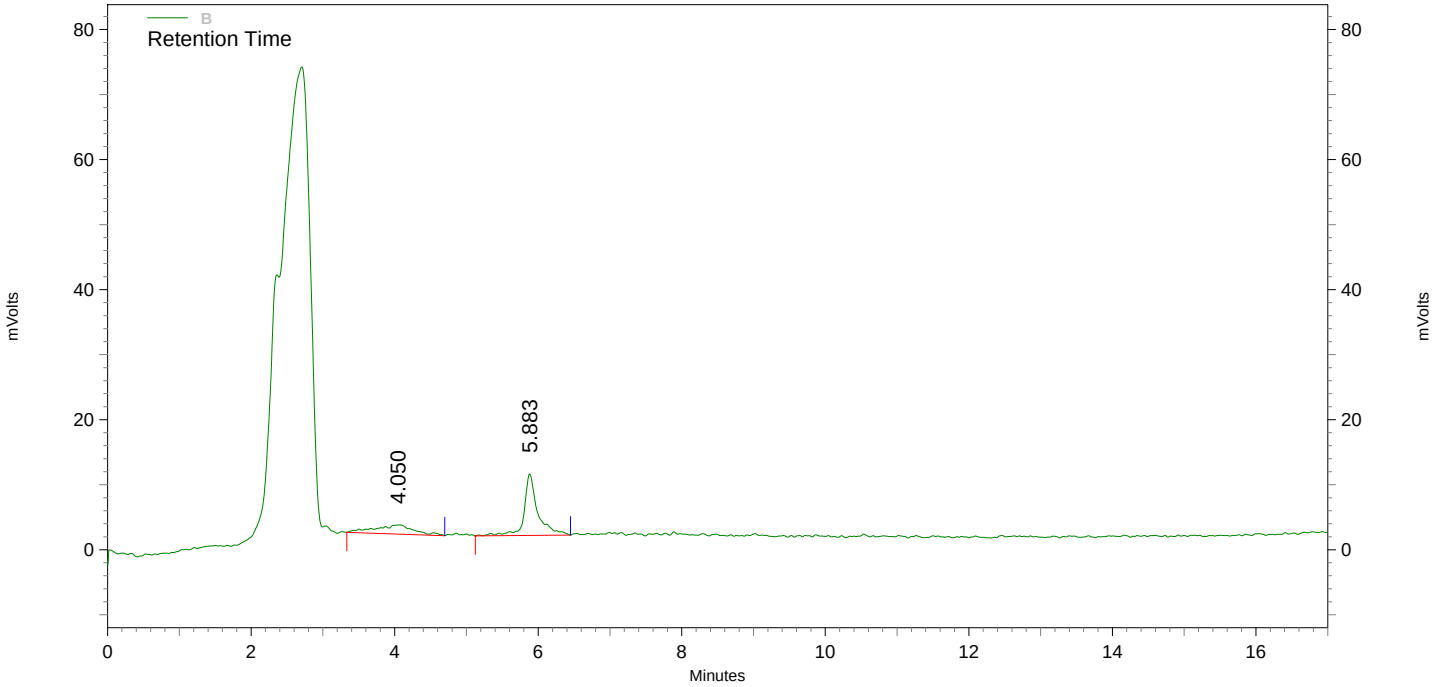
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\010.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337815,
Acquired: Aug 27, 2013 12:17:18
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.883	54648	**134.810**
135-TNB			**0.000 BDL**
13-DNB	7.158	5586	**0.009**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

B Results

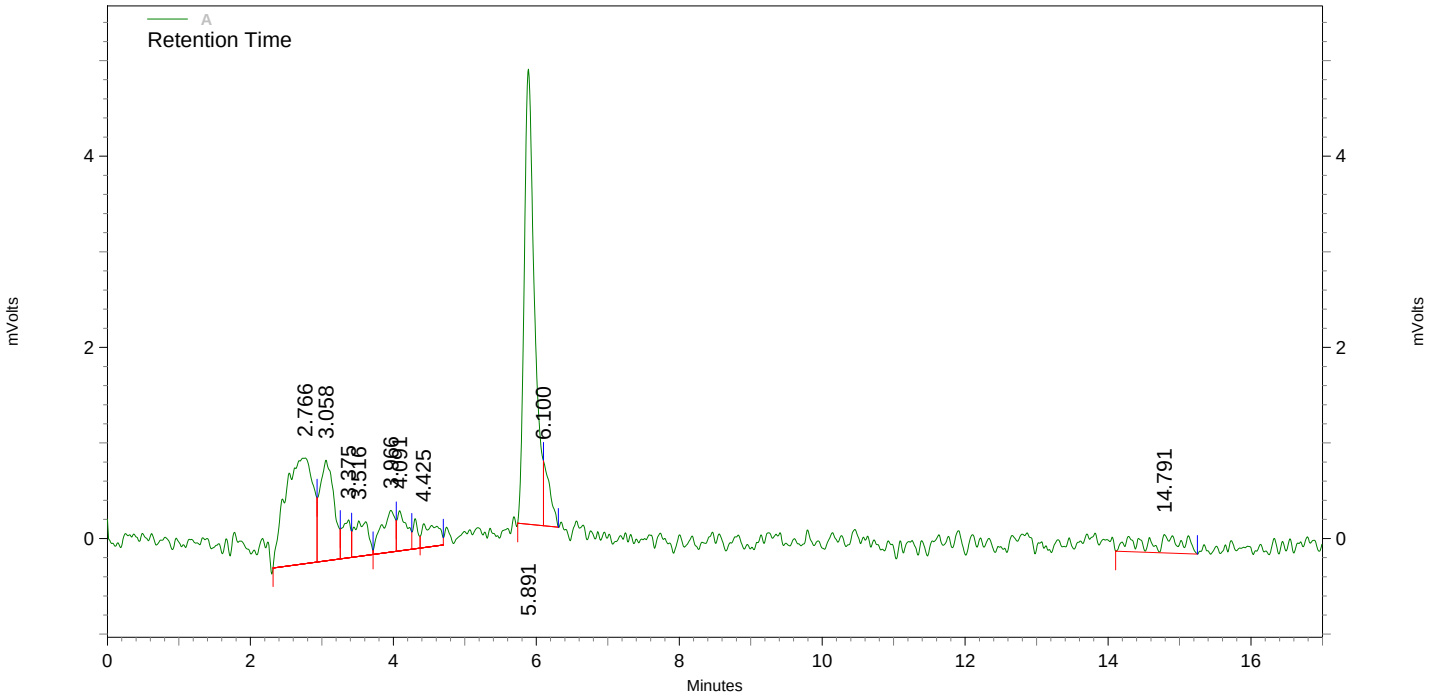
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

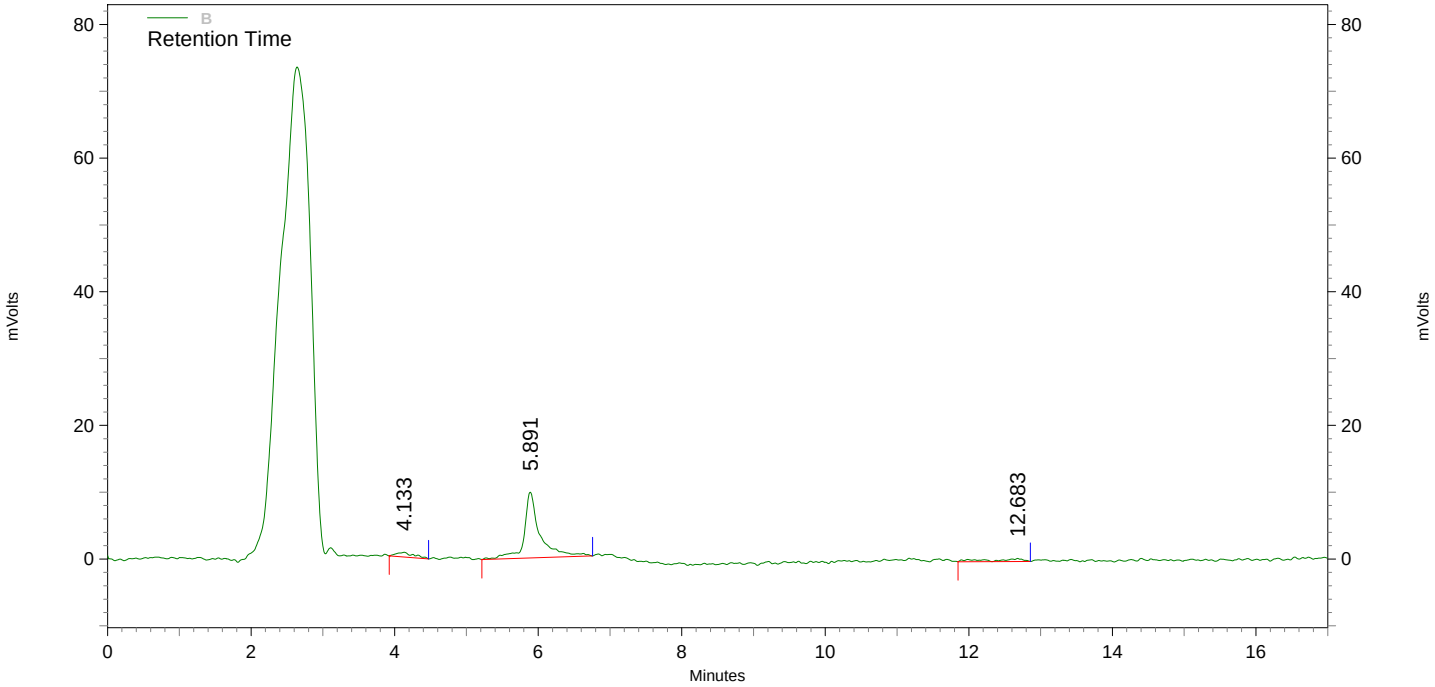
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\013.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337818,
Acquired: Aug 27, 2013 13:12:11
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.375	3277	**0.000**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.891	47026	**114.939**
135-TNB	6.100	4279	**0.000**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

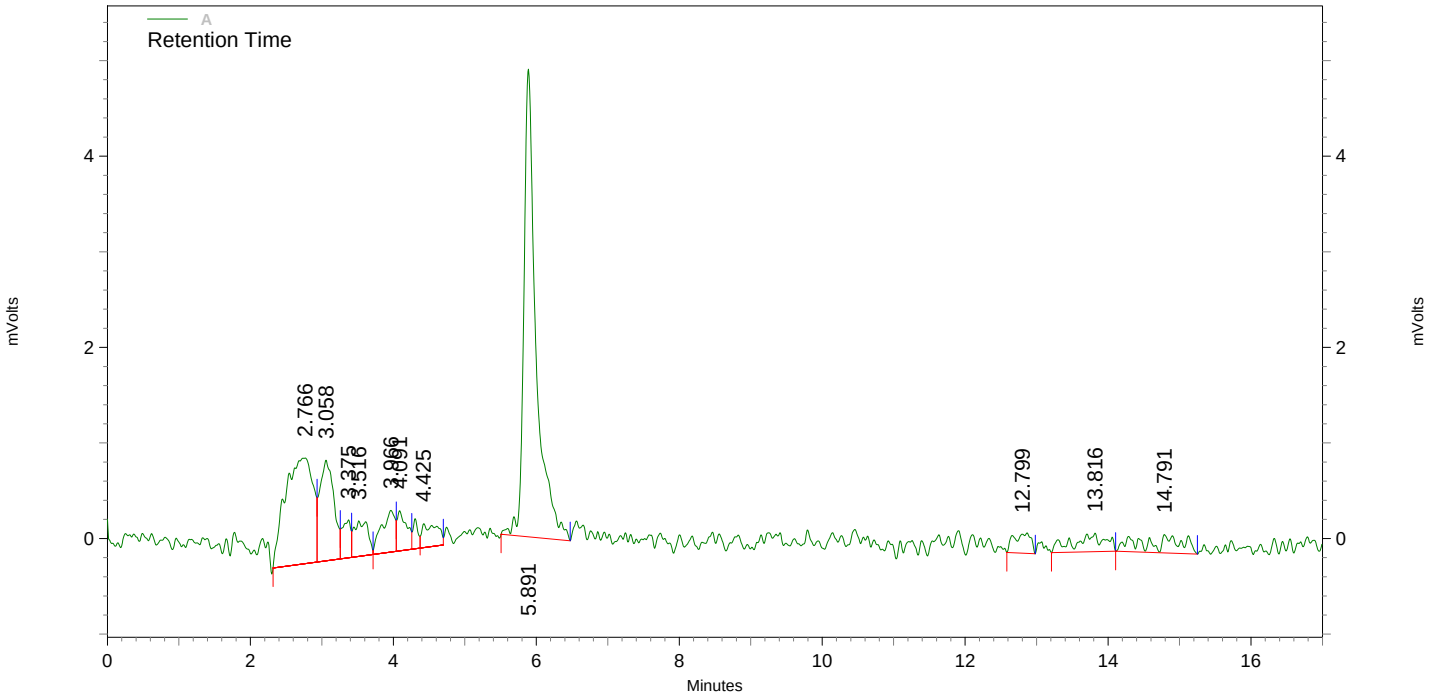
B Results

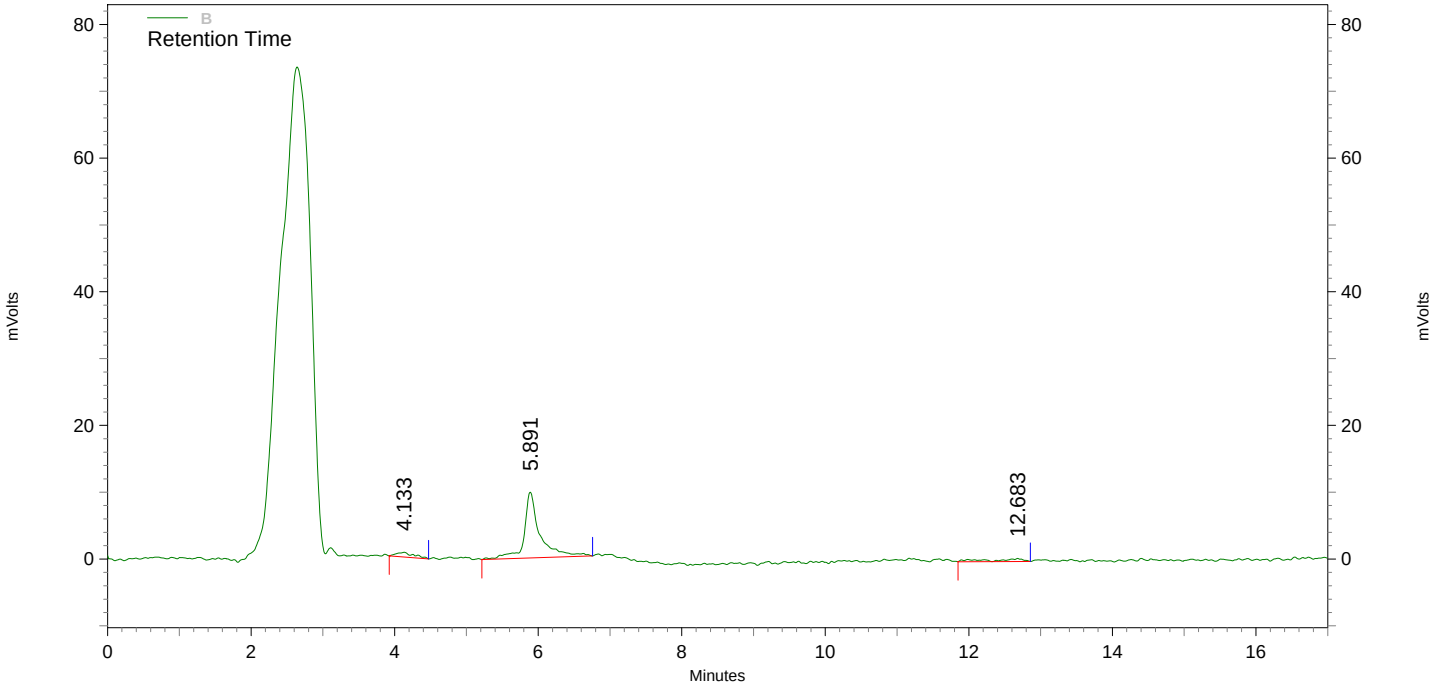
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\013.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337818,
Acquired: Aug 27, 2013 13:12:11
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.375	3277	**0.000**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.891	57948	**143.413**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT	12.799	3509	**0.013**
3-NT	13.816	5708	**0.043**

B Results

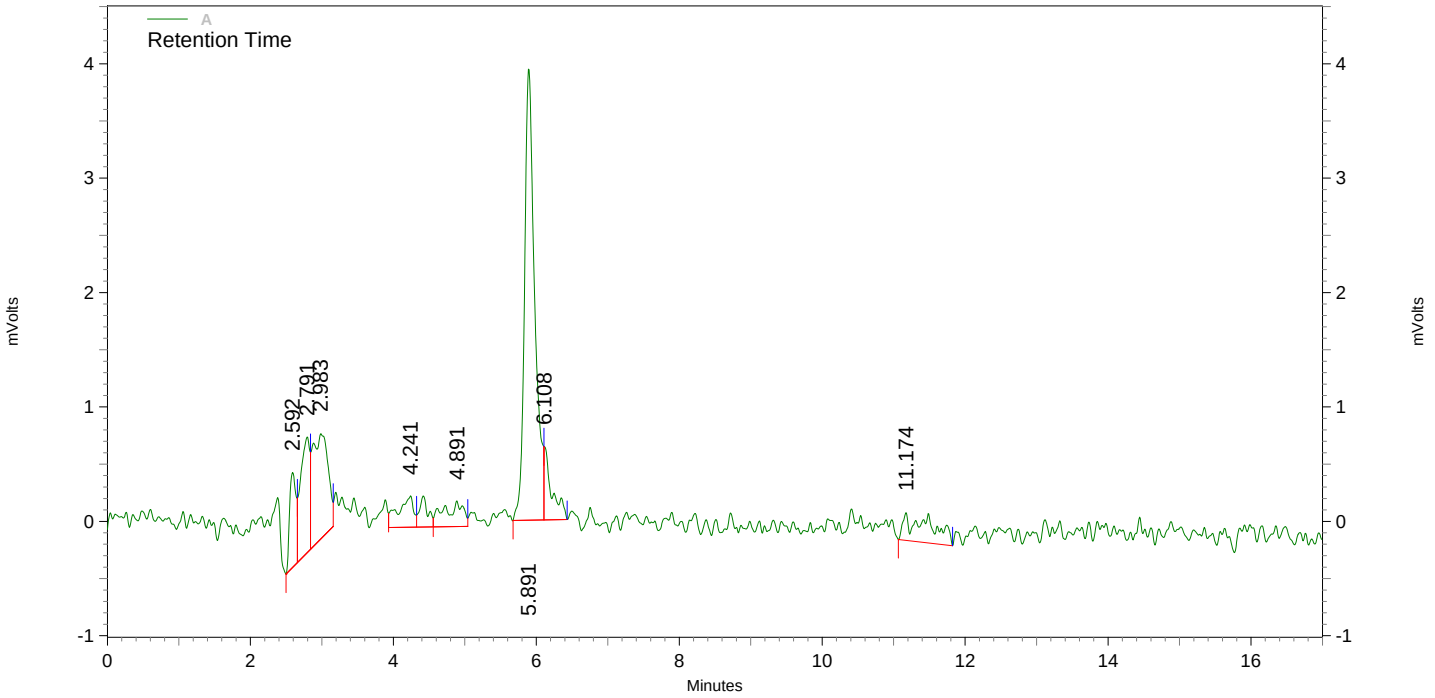
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

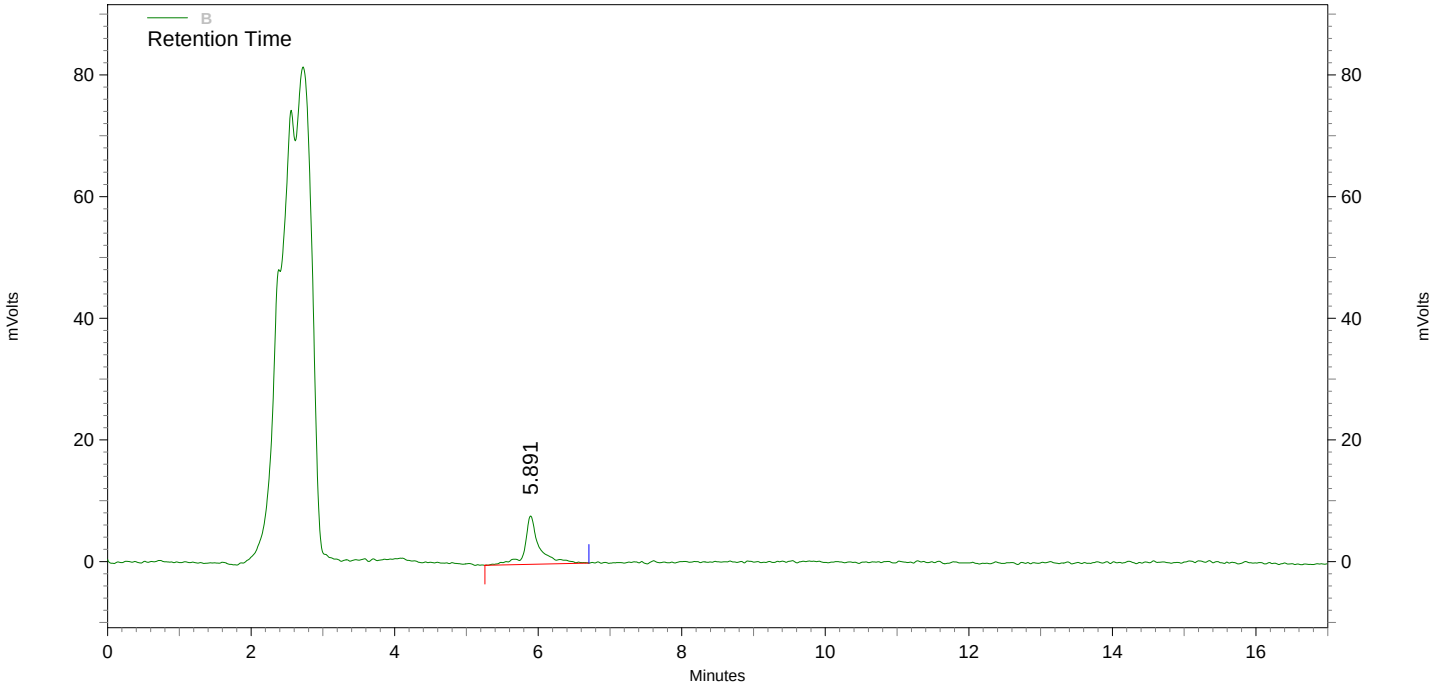
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\014.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337820,
Acquired: Aug 27, 2013 13:30:29
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.891	39195	**94.523**
135-TNB	6.108	4755	**0.001**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

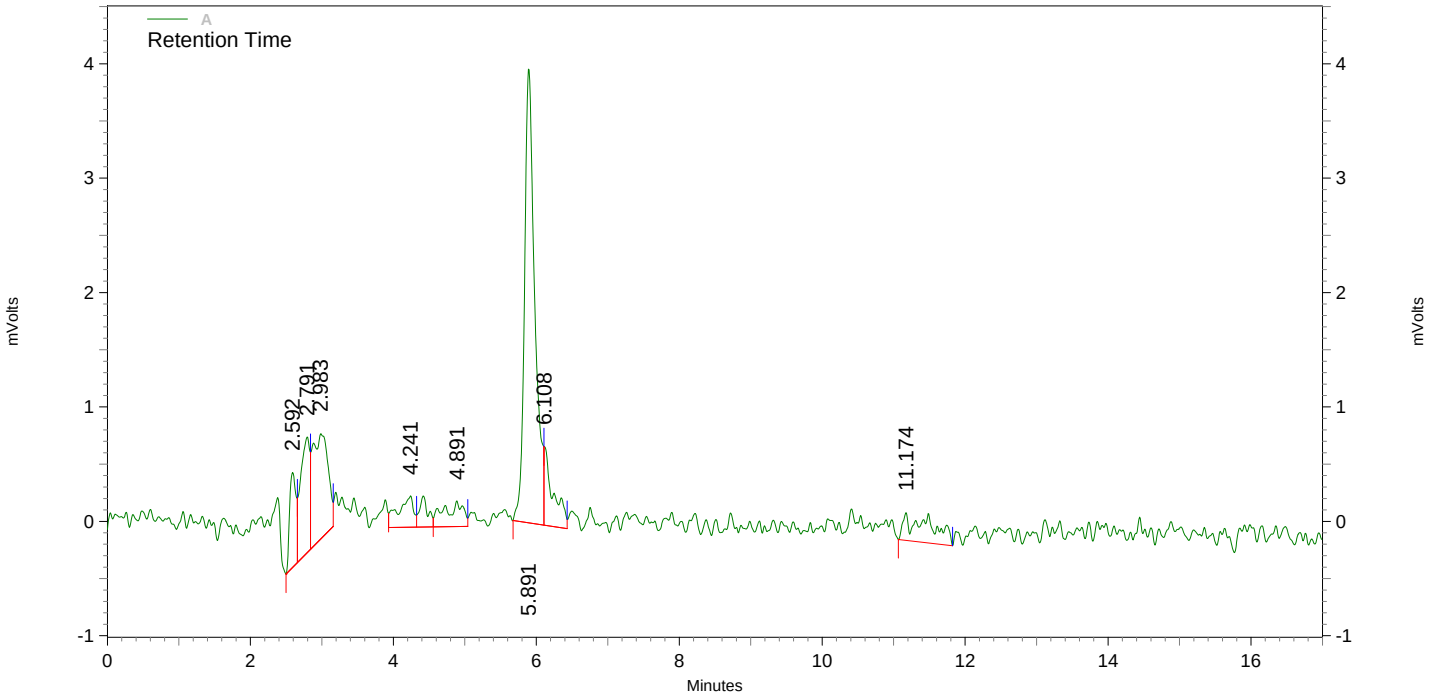
B Results

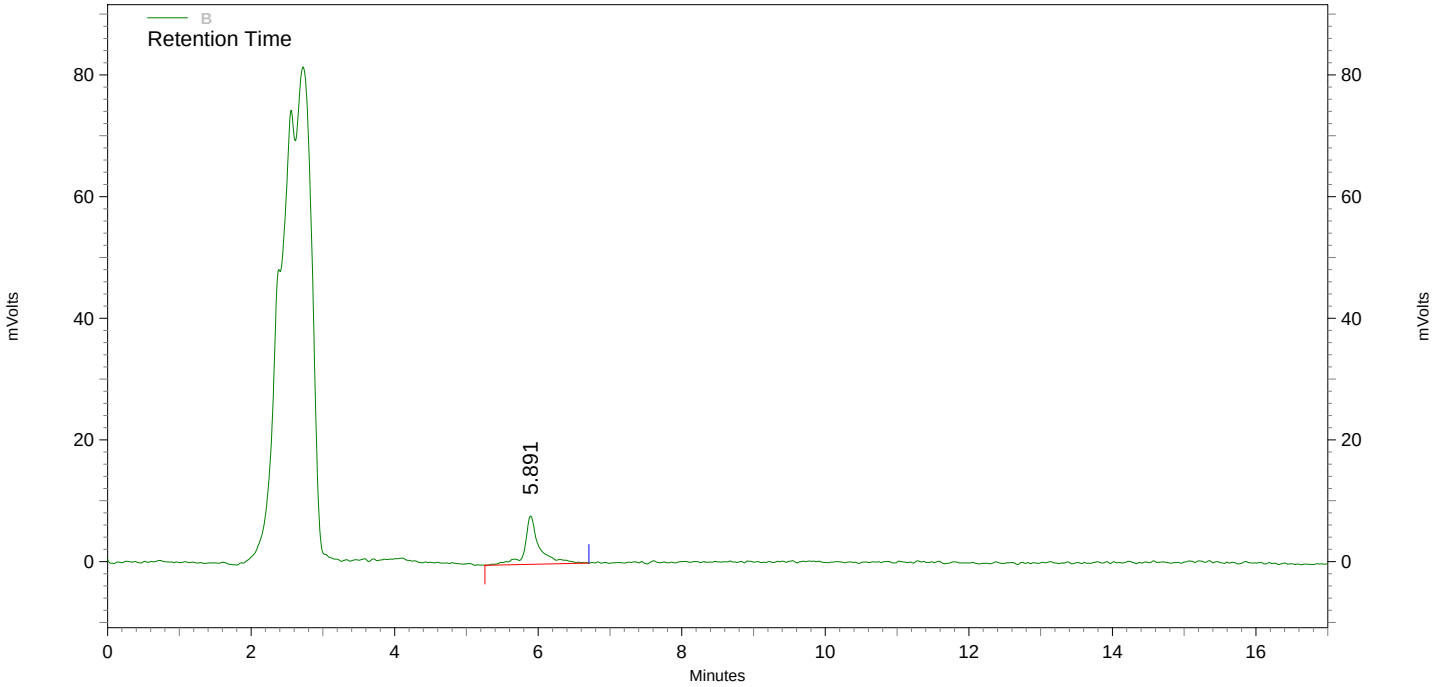
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\014.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337820,
Acquired: Aug 27, 2013 13:30:29
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.891	39789	**96.071**
135-TNB	6.108	5981	**0.008**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

B Results

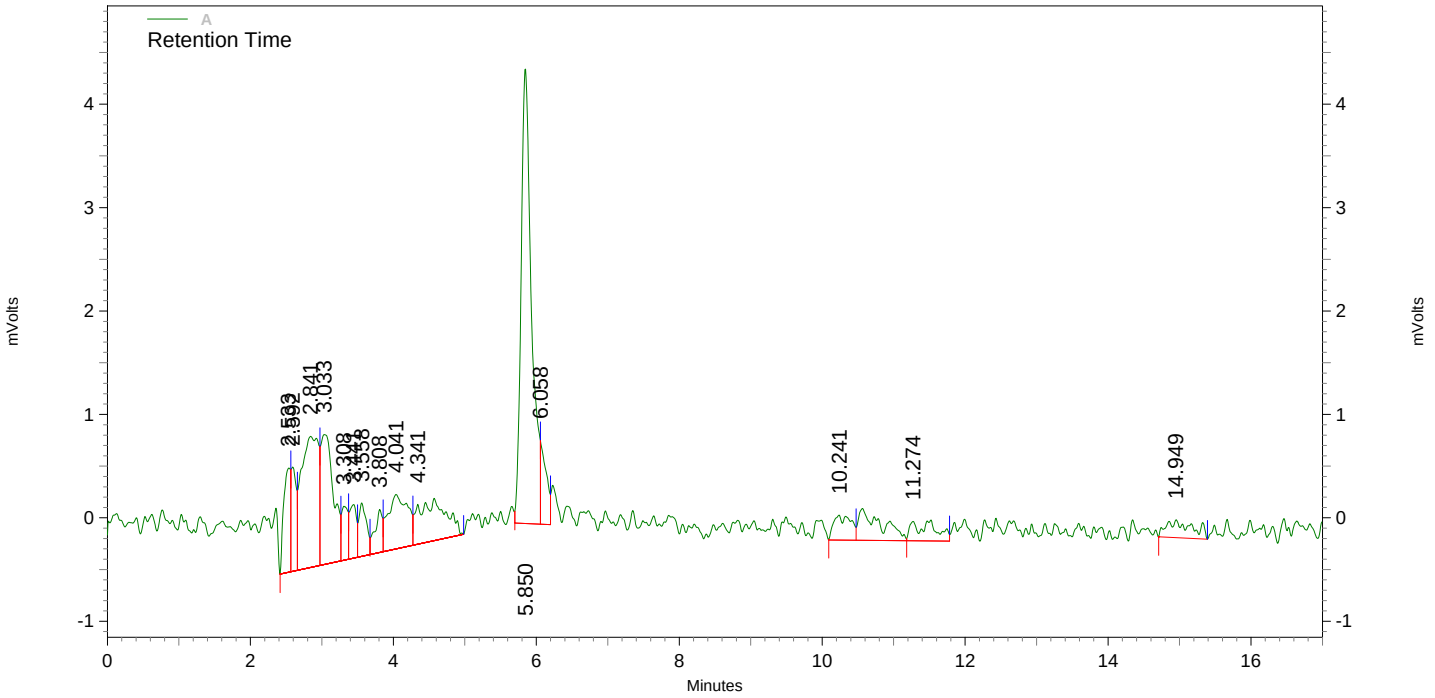
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

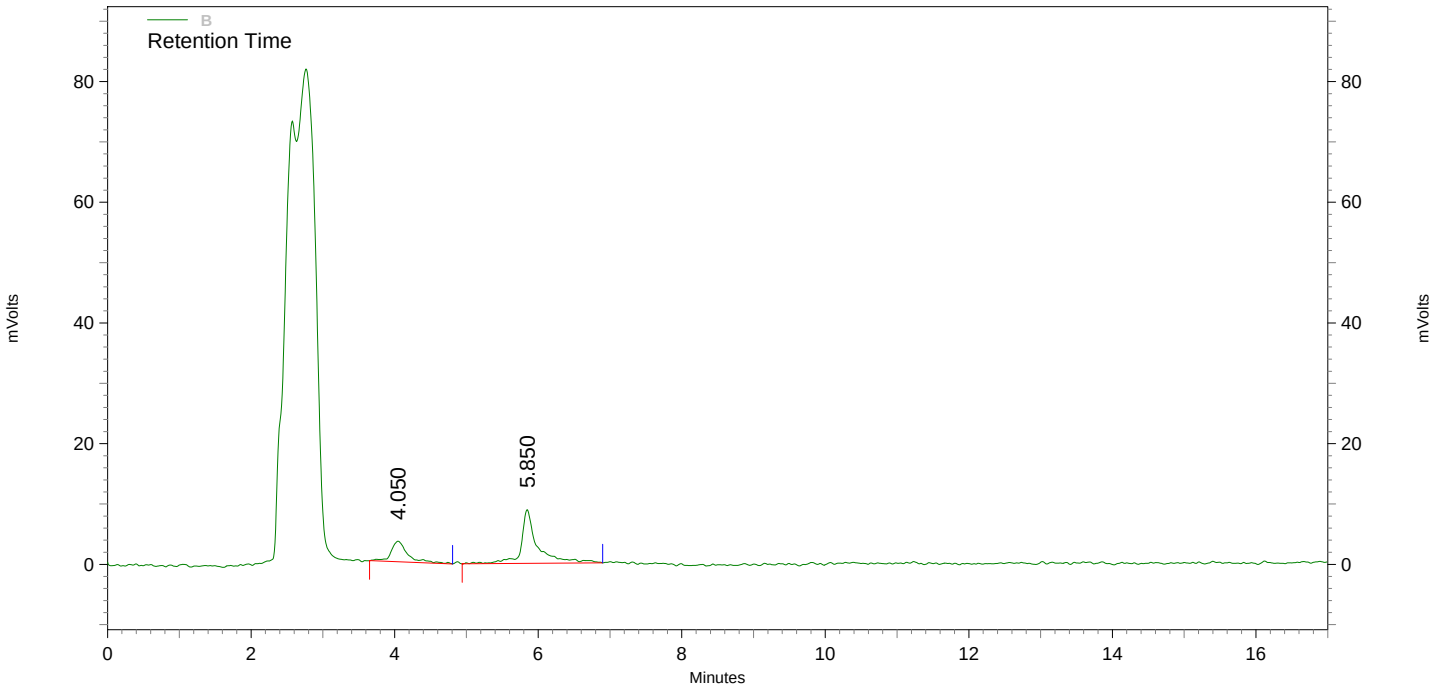
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\016.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337822,
Acquired: Aug 27, 2013 14:07:04
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.308	3196	**0.000**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.850	44471	**108.278**
135-TNB	6.058	4585	**0.001**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

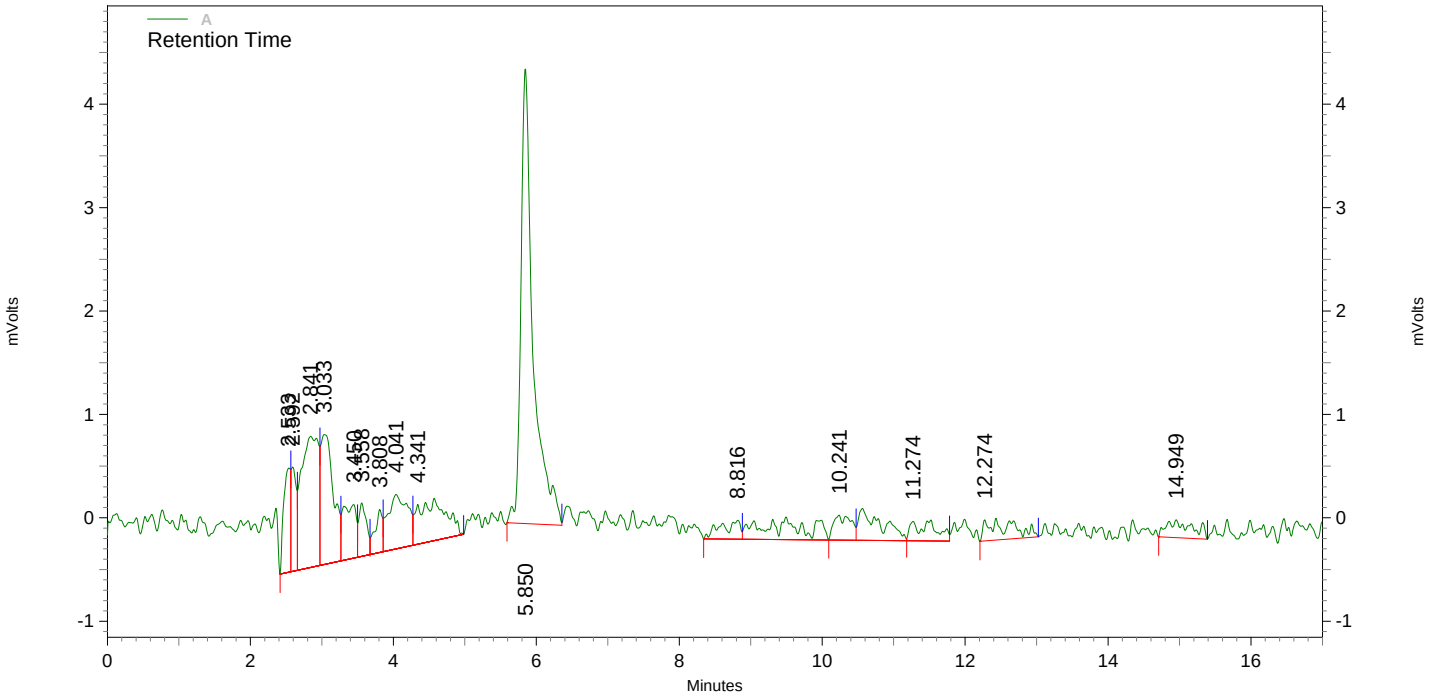
B Results

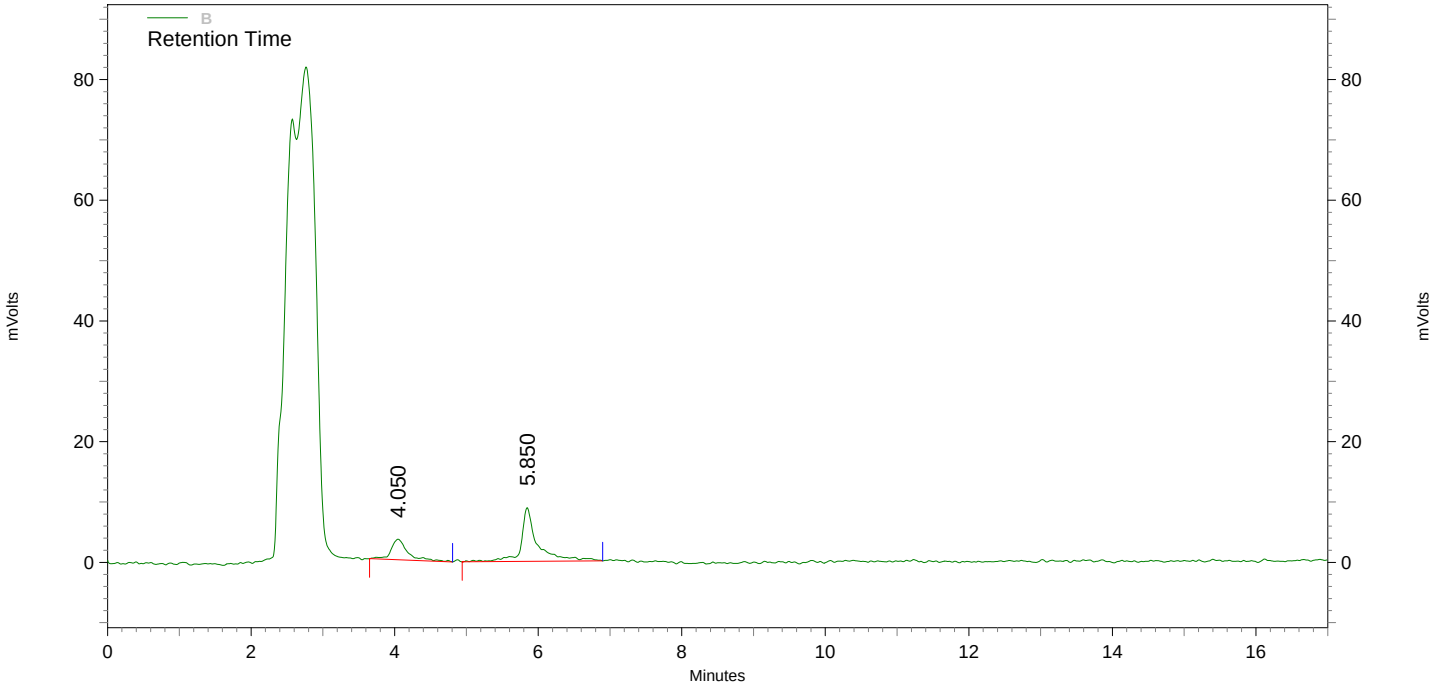
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\016.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337822,
Acquired: Aug 27, 2013 14:07:04
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.450	6685	**0.042**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.850	51956	**127.791**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT	8.816	3434	**0.001**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT	12.274	5012	**0.009**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

B Results

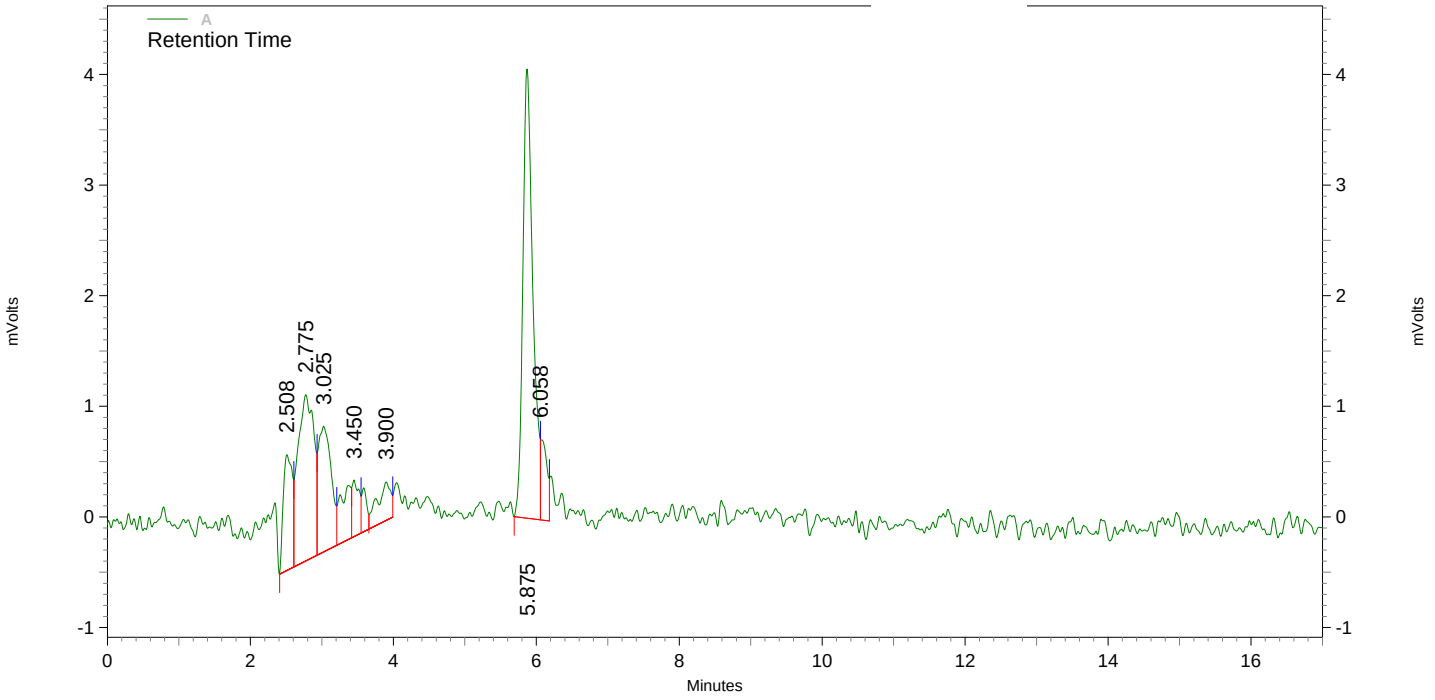
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

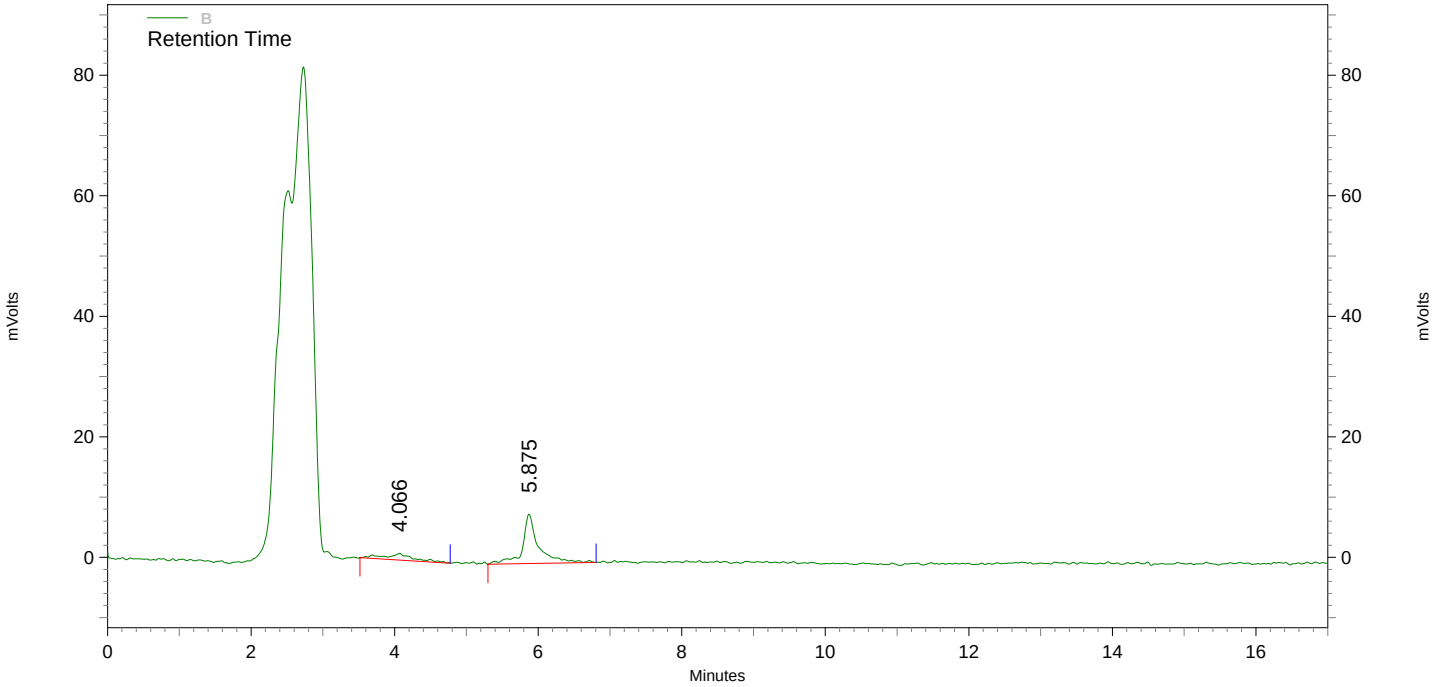
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\017.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337824,
Acquired: Aug 27, 2013 14:25:20
Data Summary: Reason #3, #4 applies to data. RED 8/27/2013

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.450	3461	**0.000**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.875	39491	**95.294**
135-TNB	6.058	4492	**0.000**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

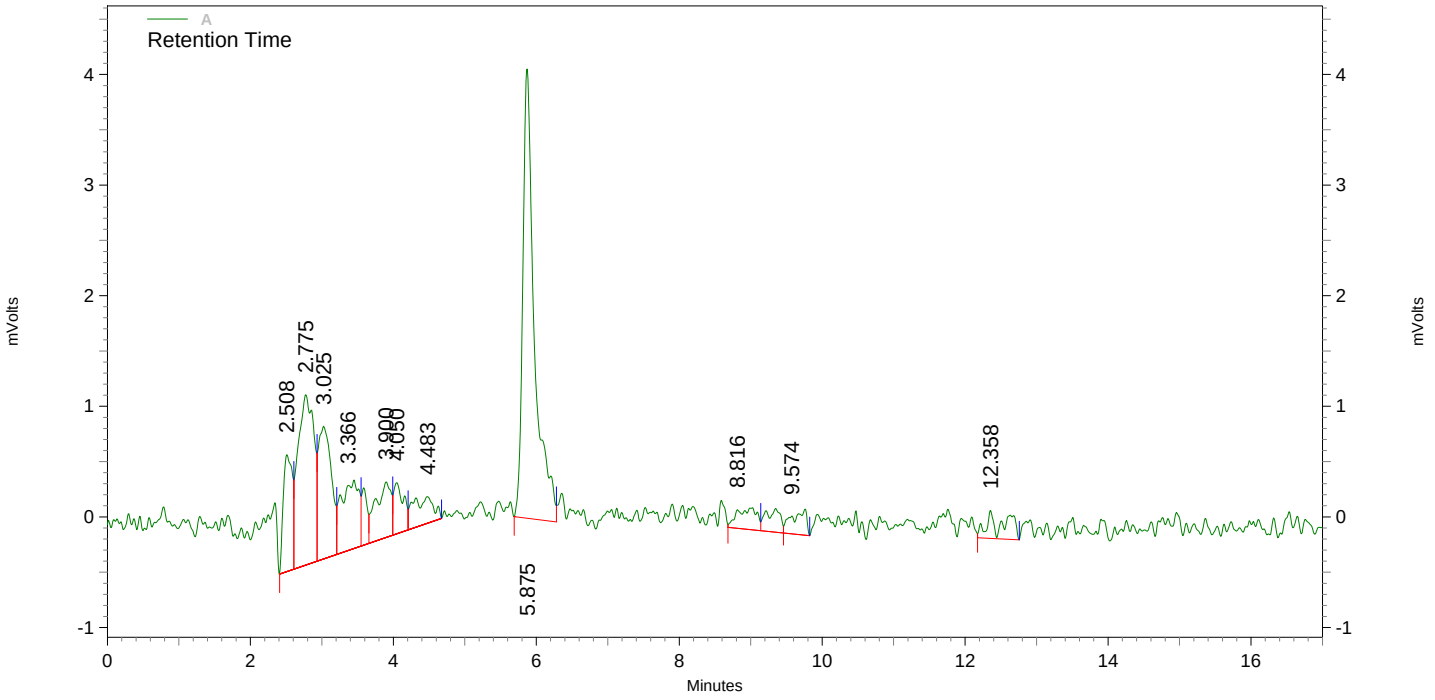
B Results

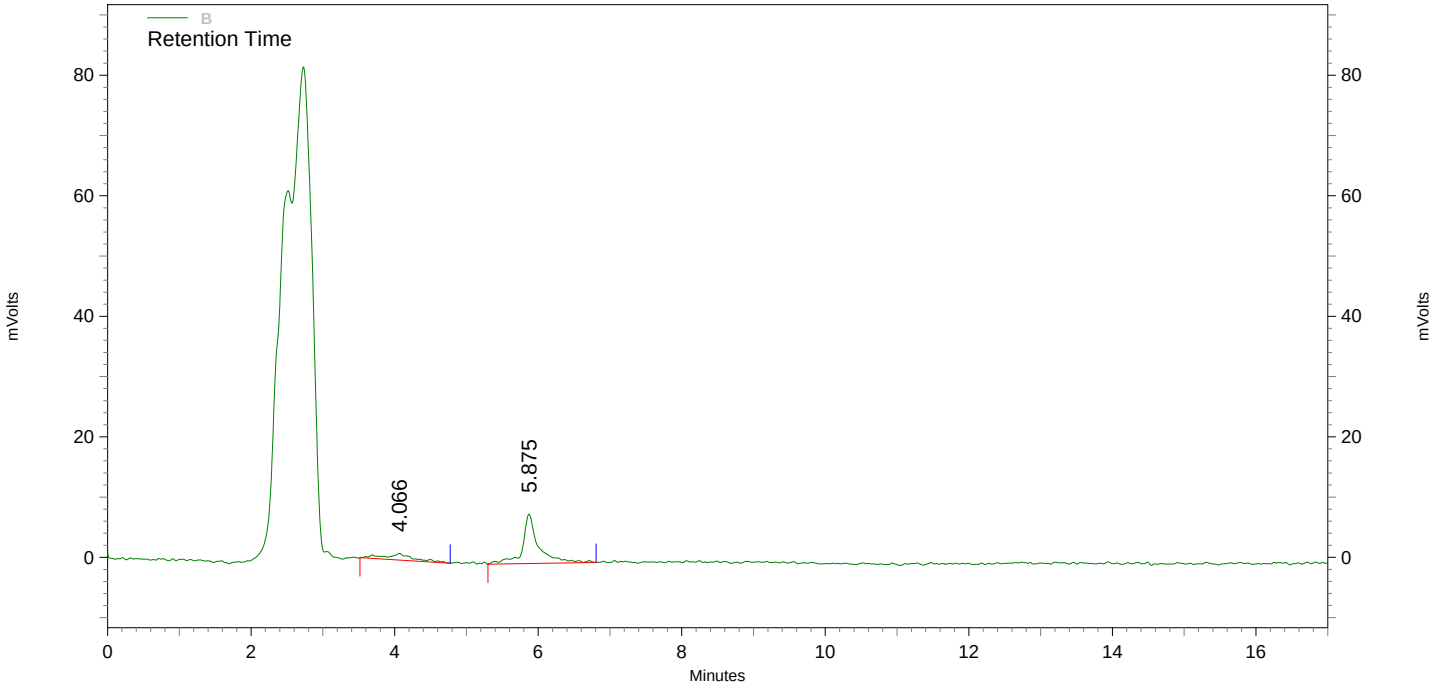
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\017.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337824,
Acquired: Aug 27, 2013 14:25:20
Data Summary: Reason #3, #4 applies to data. RED 8/27/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.366	10802	**0.112**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.875	45783	**111.698**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT	8.816	3709	**0.003**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT	9.574	3227	**0.000**
2-NT			**0.000 BDL**
4-NT	12.358	4489	**0.023**
3-NT			**0.000 BDL**

B Results

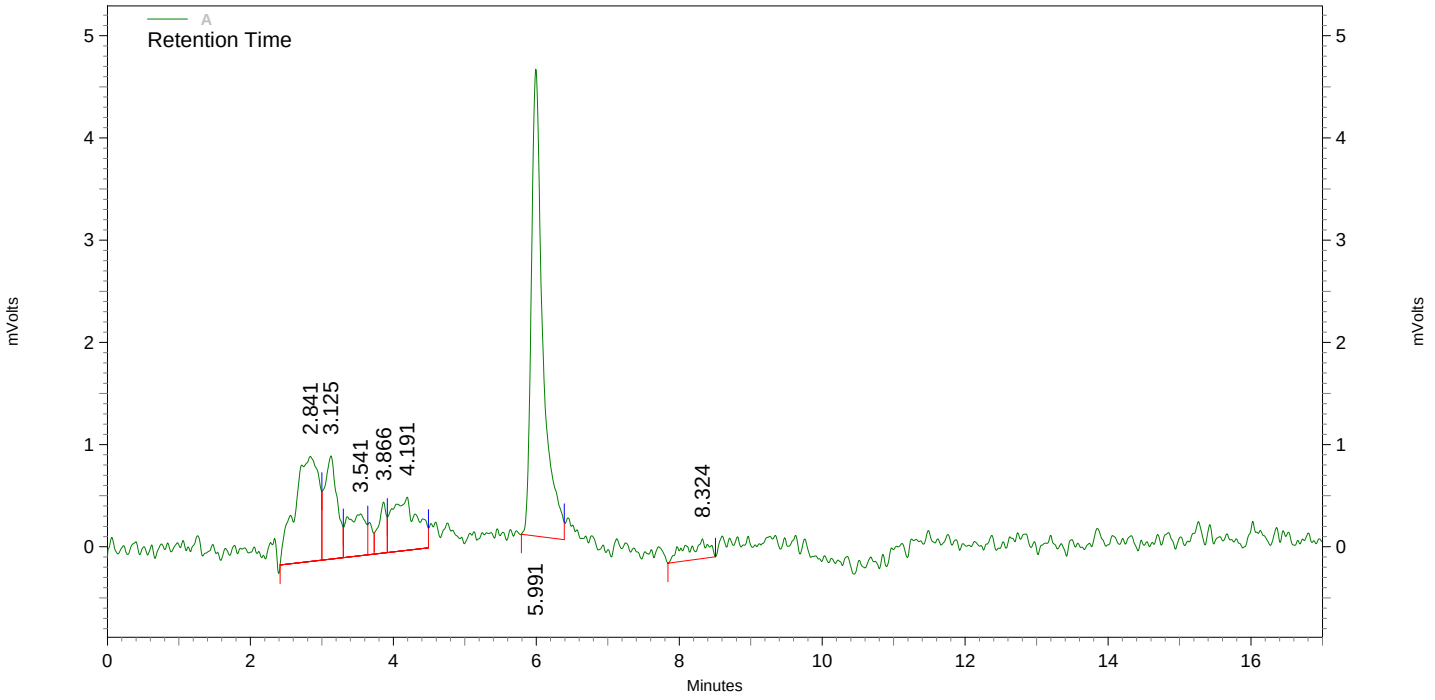
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

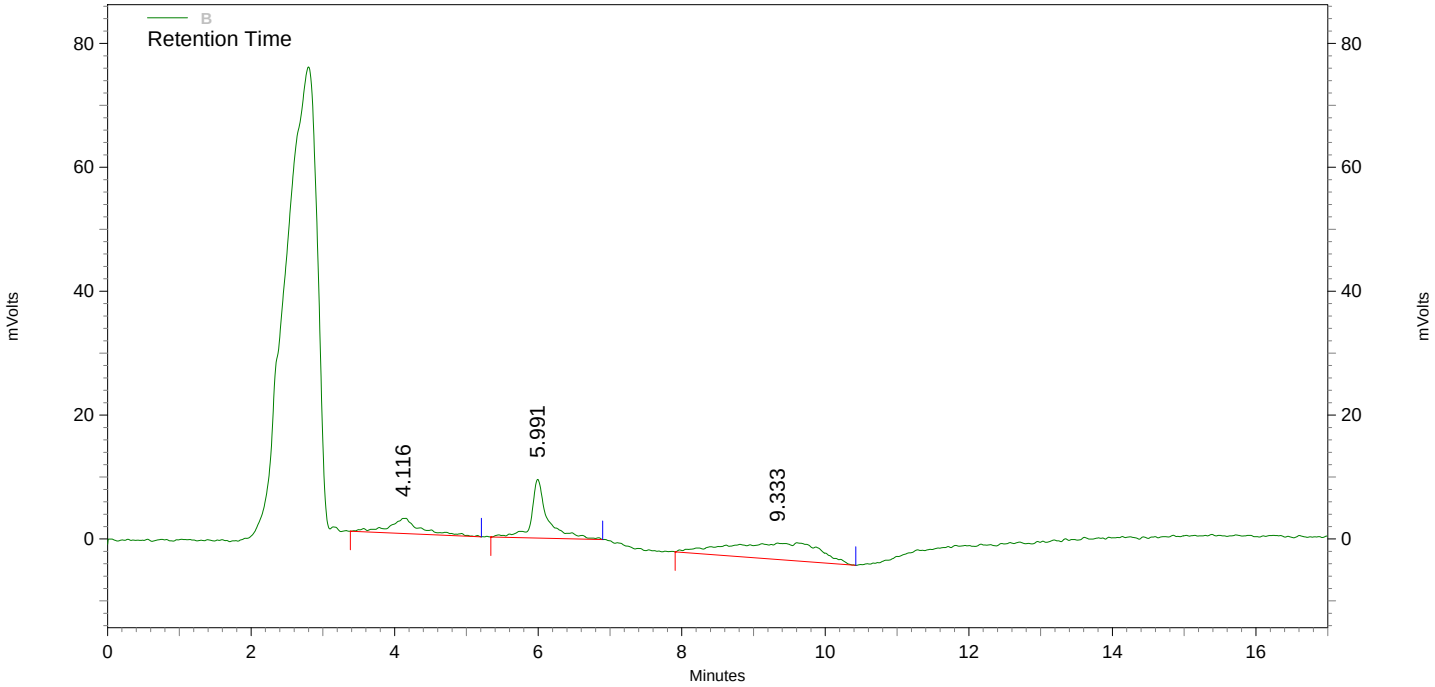
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\018.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337826,
Acquired: Aug 27, 2013 14:43:38
Data Summary: Reason #1,#3, #4 applies to data. RED 8/27/2013

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.991	50912	**125.070**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

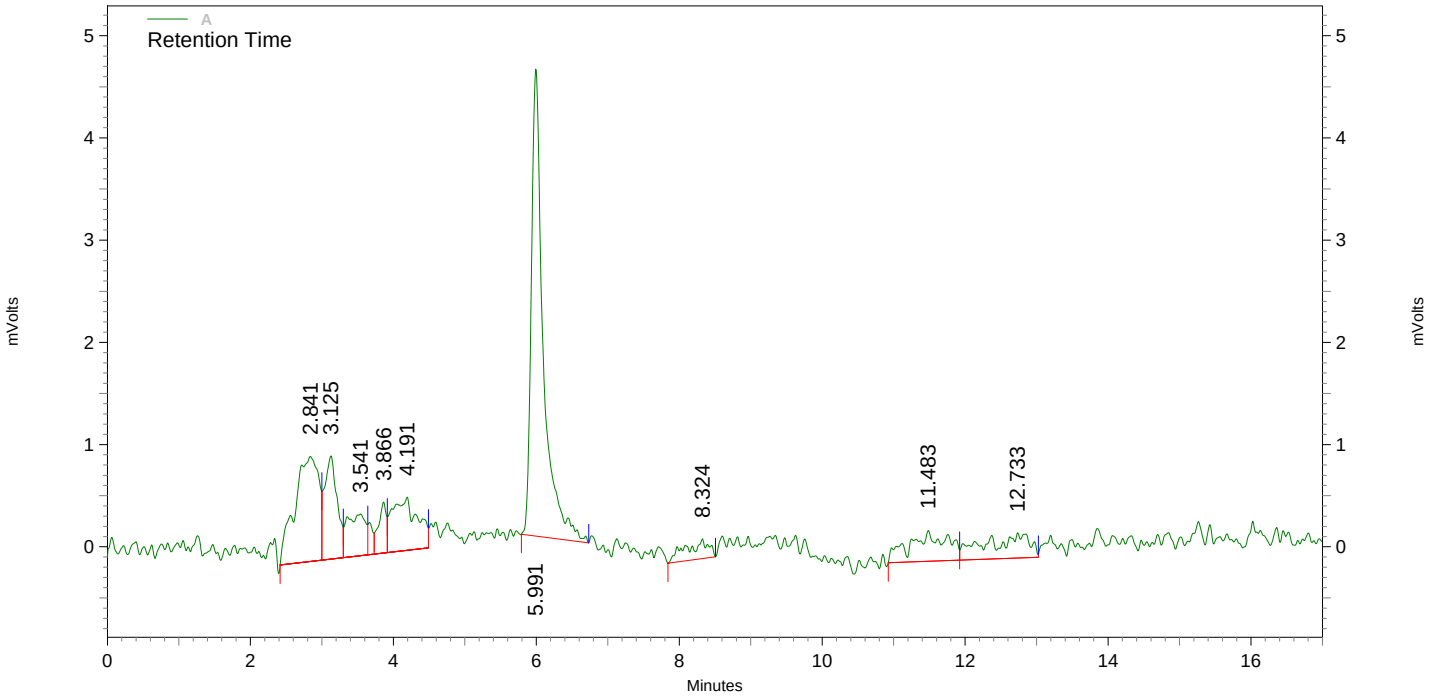
B Results

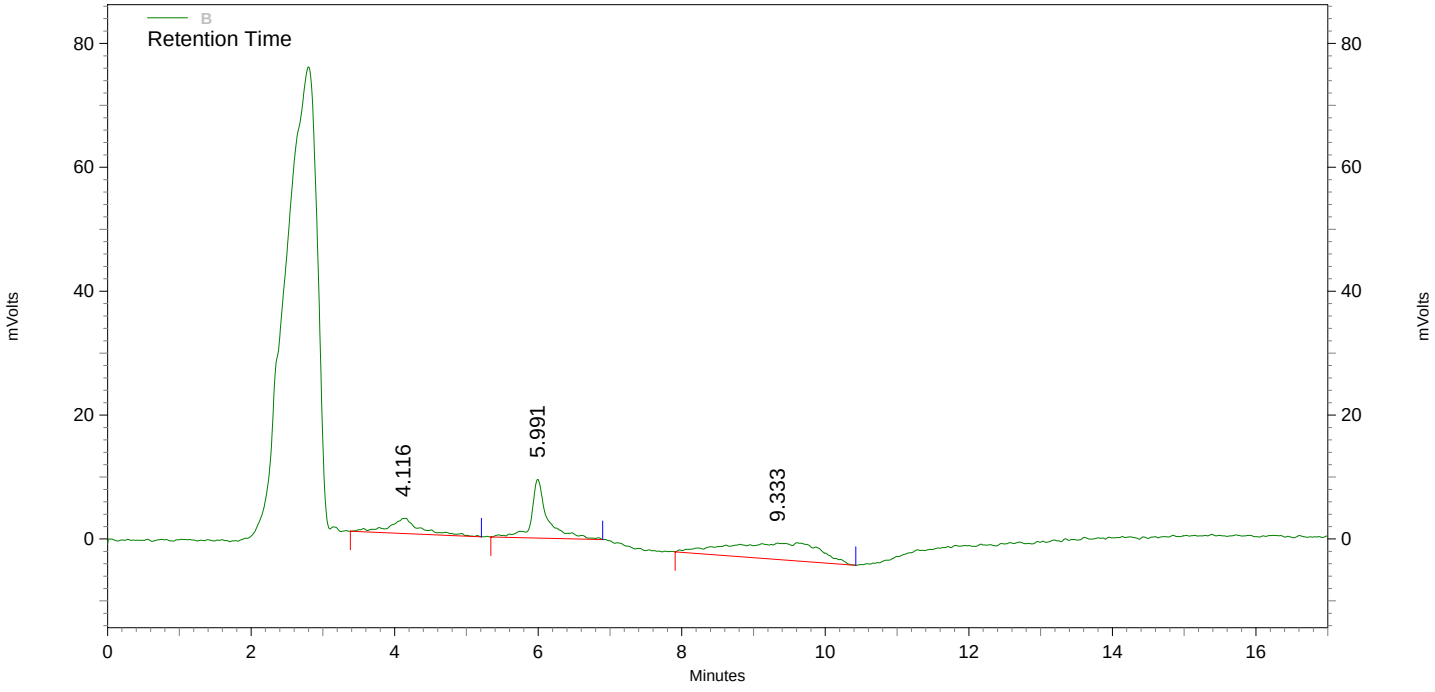
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\018.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337826,
Acquired: Aug 27, 2013 14:43:38
Data Summary: Reason #1,#3, #4 applies to data. RED 8/27/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)			**0.000 BDL**
135-TNB	5.991	53058	**0.245**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT	11.483	10654	**0.066**
4-NT	12.733	10054	**0.083**
3-NT			**0.000 BDL**

B Results

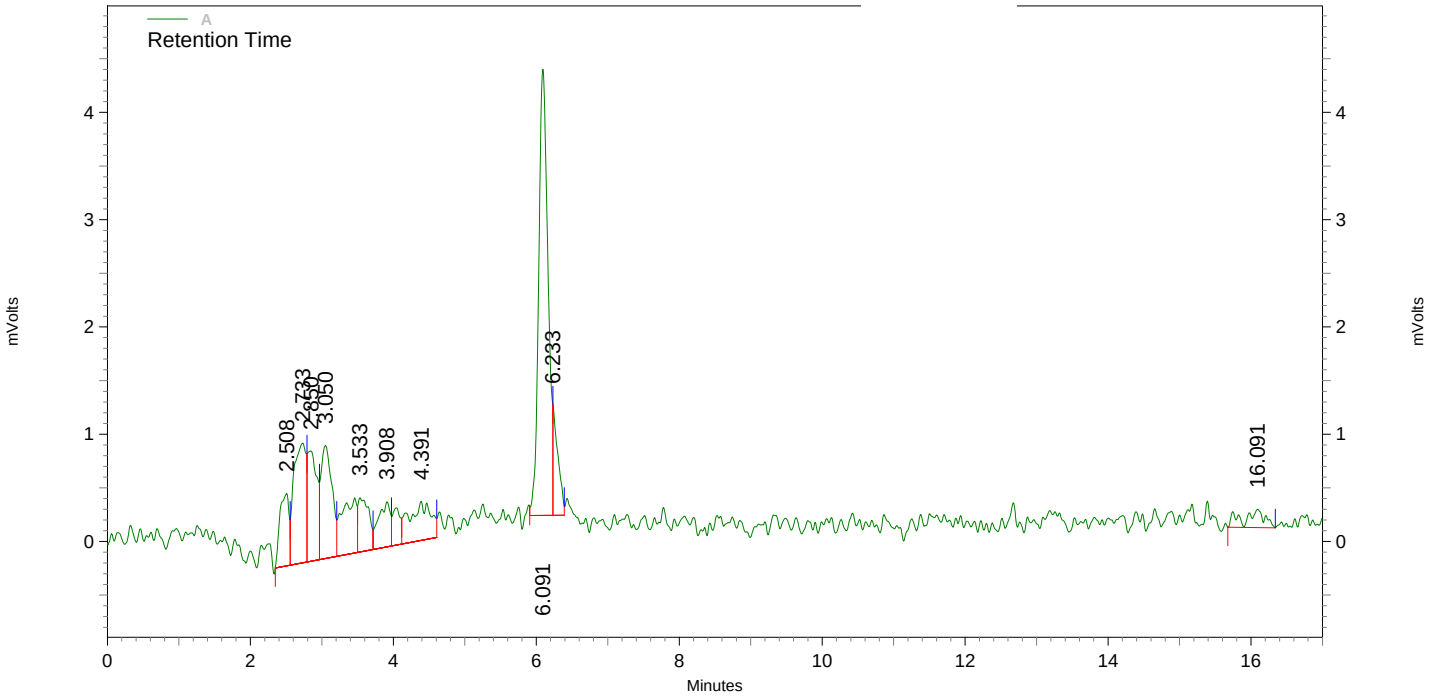
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

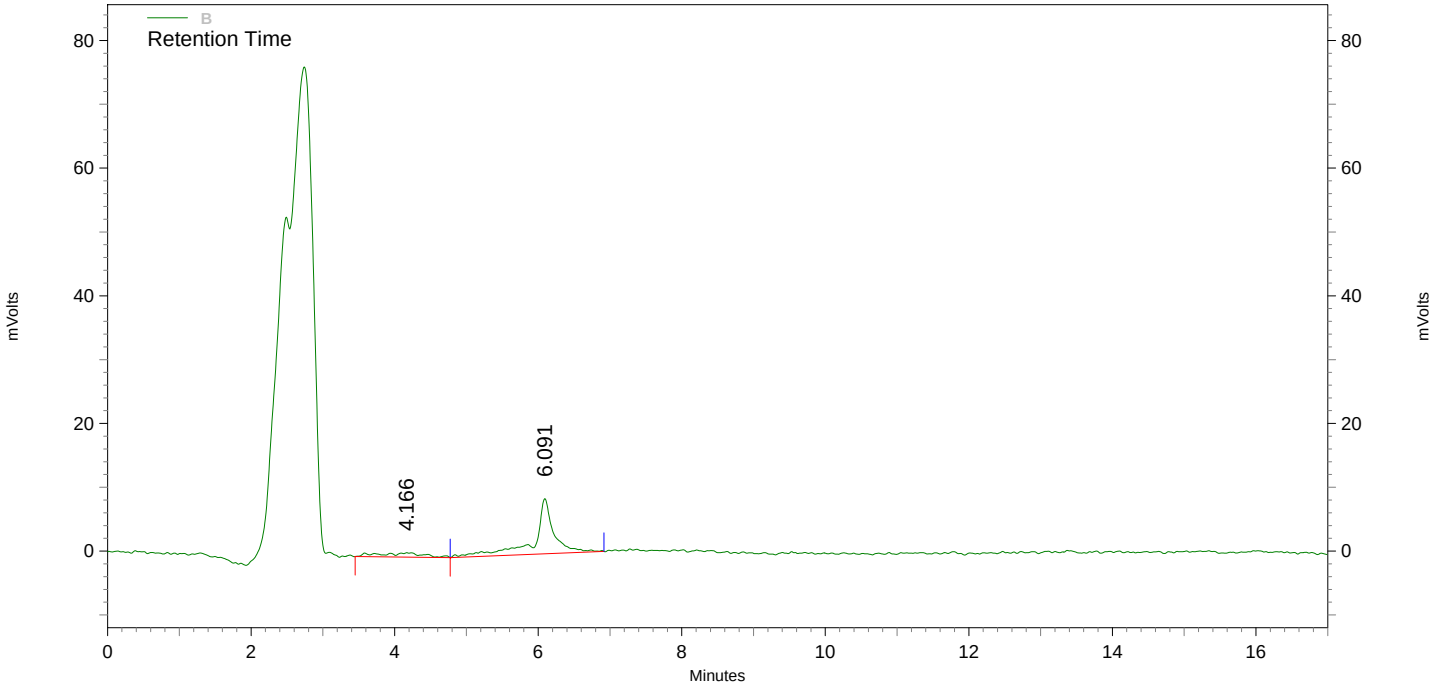
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\019.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337828,
Acquired: Aug 27, 2013 15:01:59
Data Summary: Reason #1, #3, #4 applies to data. RED 8/27/2013

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	6.091	37568	**90.281**
135-TNB	6.233	4965	**0.003**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

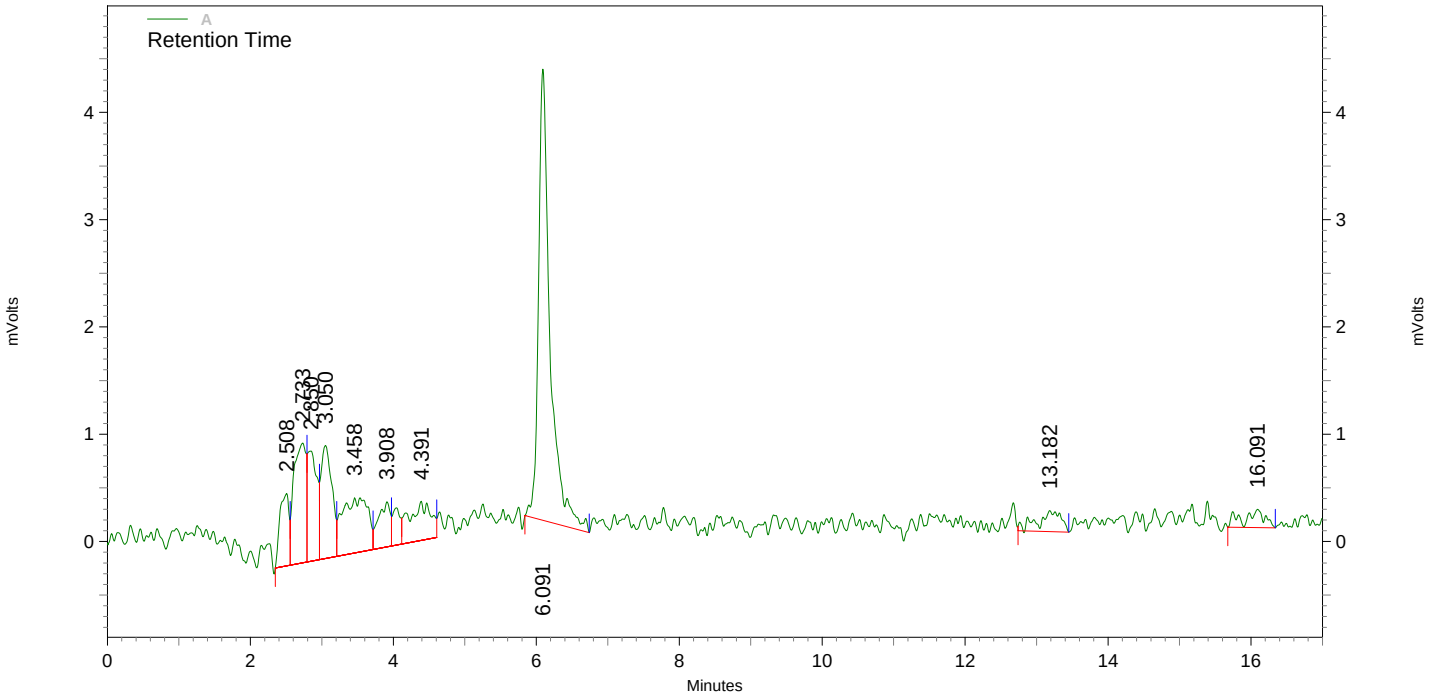
B Results

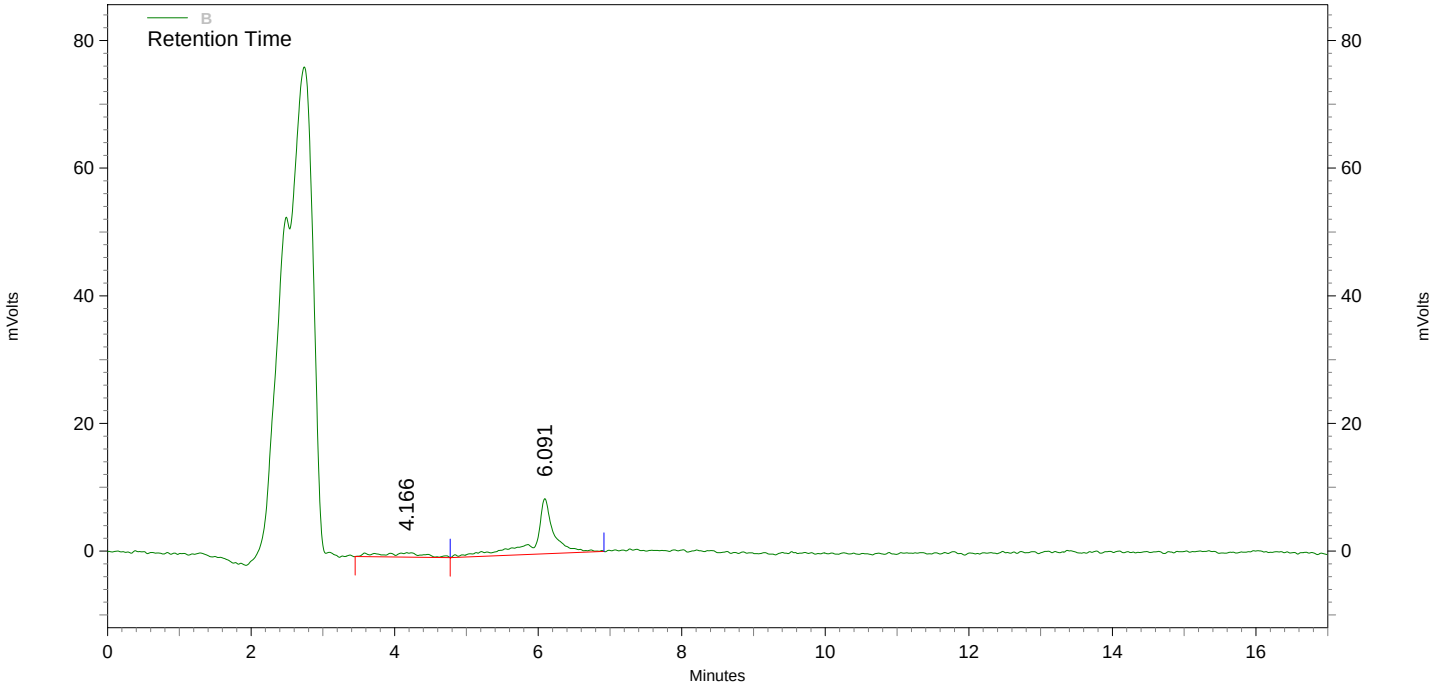
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\019.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337828,
Acquired: Aug 27, 2013 15:01:59
Data Summary: Reason #1, #3, #4 applies to data. RED 8/27/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.458	12812	**0.146**
RDX			**0.000 BDL**
12-DNB (SSTD)			**0.000 BDL**
135-TNB	6.091	47140	**0.215**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT	13.182	4329	**0.032**

B Results

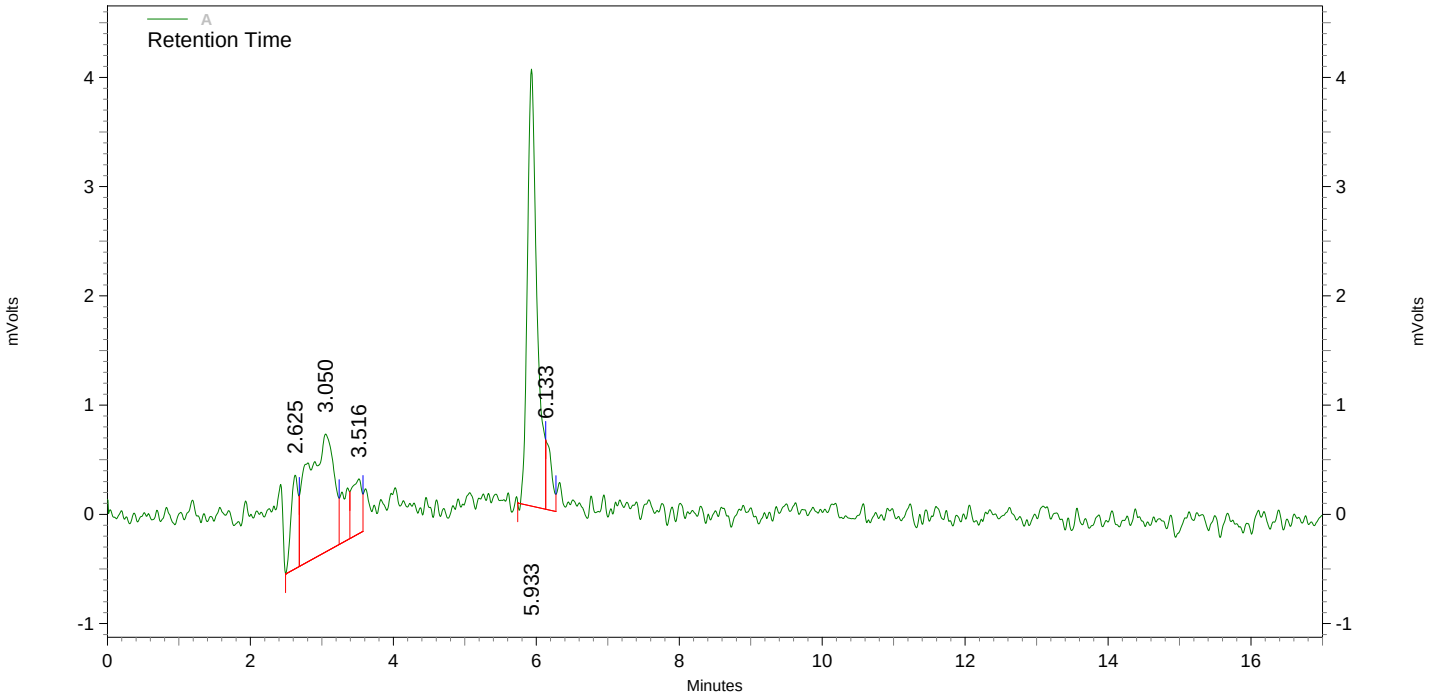
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

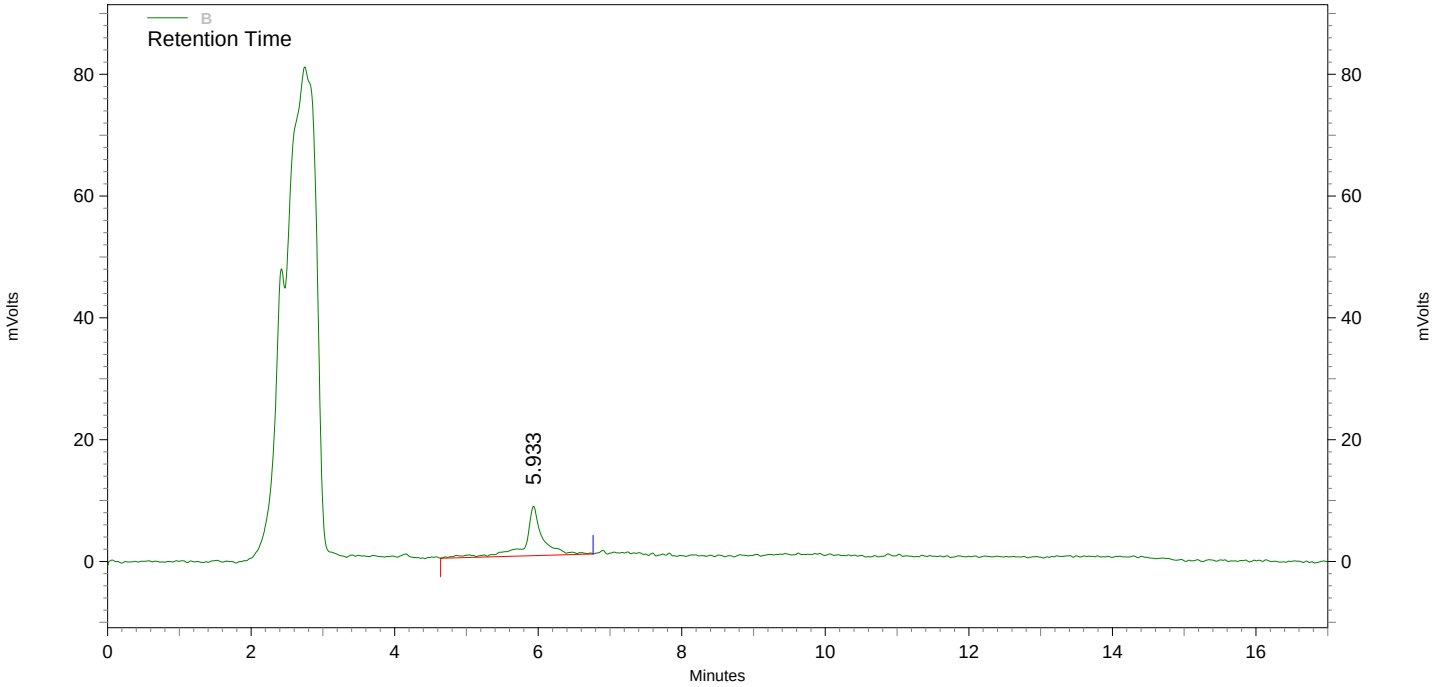
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\020.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337830,
Acquired: Aug 27, 2013 15:20:18
Data Summary: Reason #3, #4 applies to data. RED 8/28/2013

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.933	36964	**88.706**
135-TNB	6.133	3508	**0.000**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

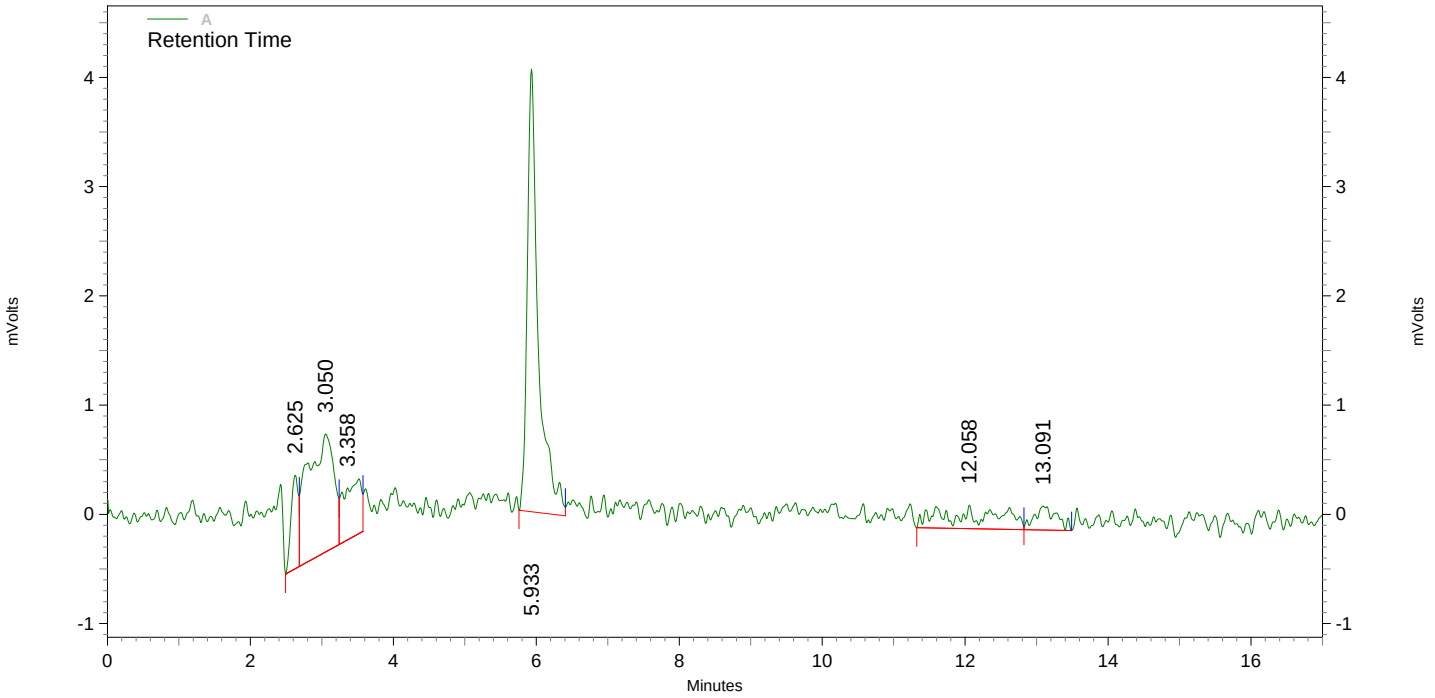
B Results

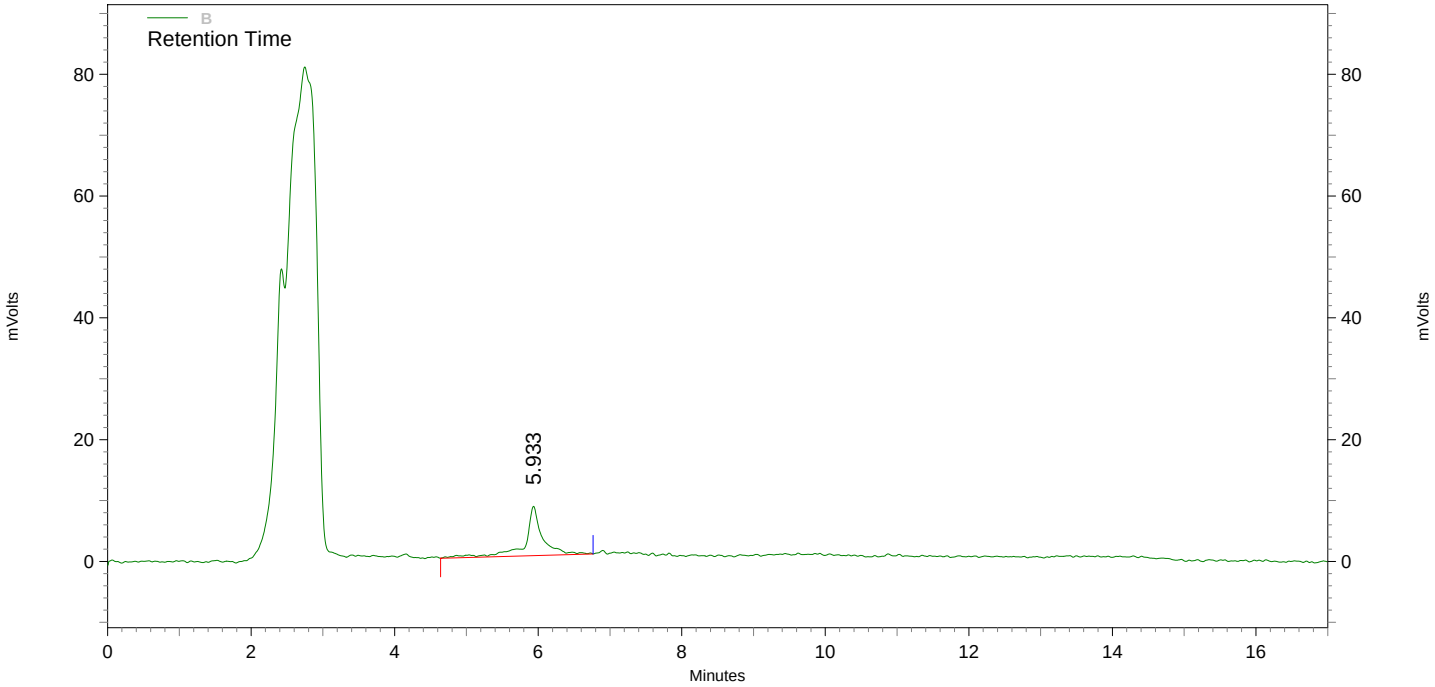
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\020.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337830,
Acquired: Aug 27, 2013 15:20:18
Data Summary: Reason #3, #4 applies to data. RED 8/28/2013





A Results

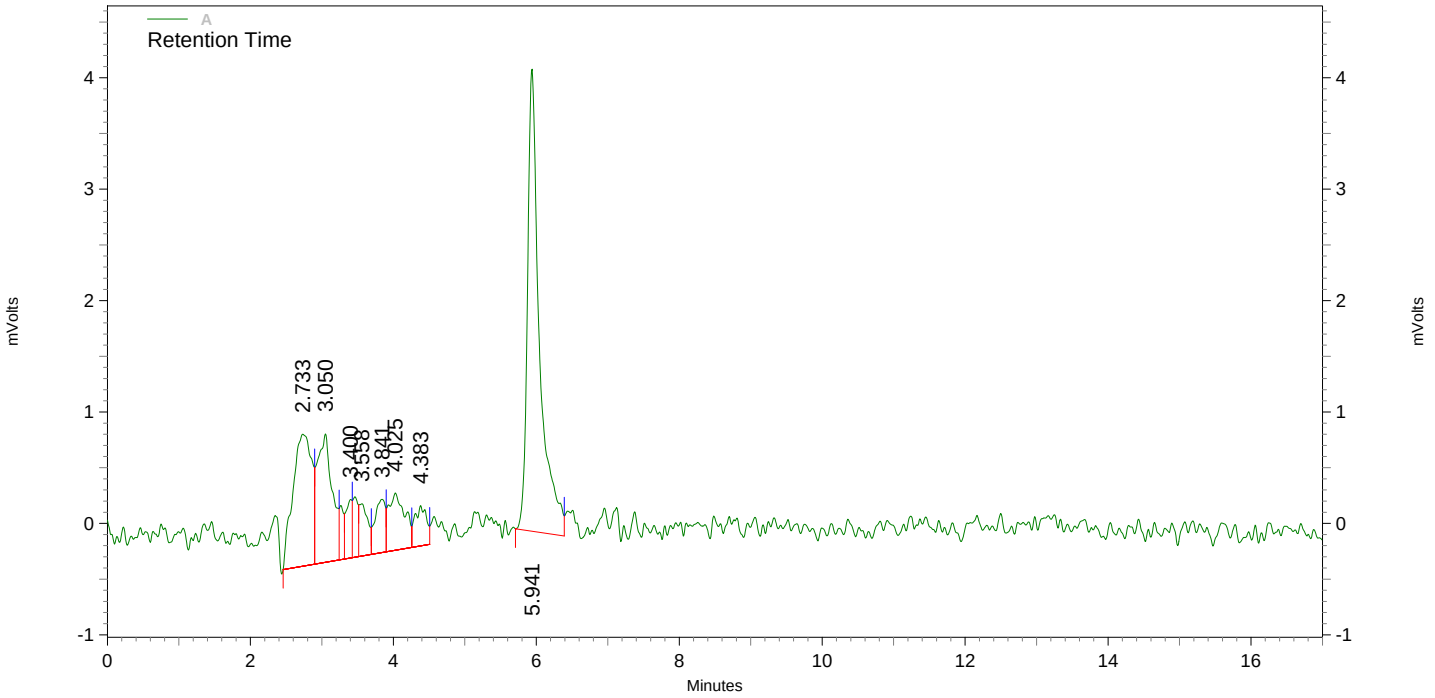
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.358	8924	**0.080**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.933	43501	**105.749**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT	12.058	10179	**0.061**
4-NT	13.091	4700	**0.025**
3-NT			**0.000 BDL**

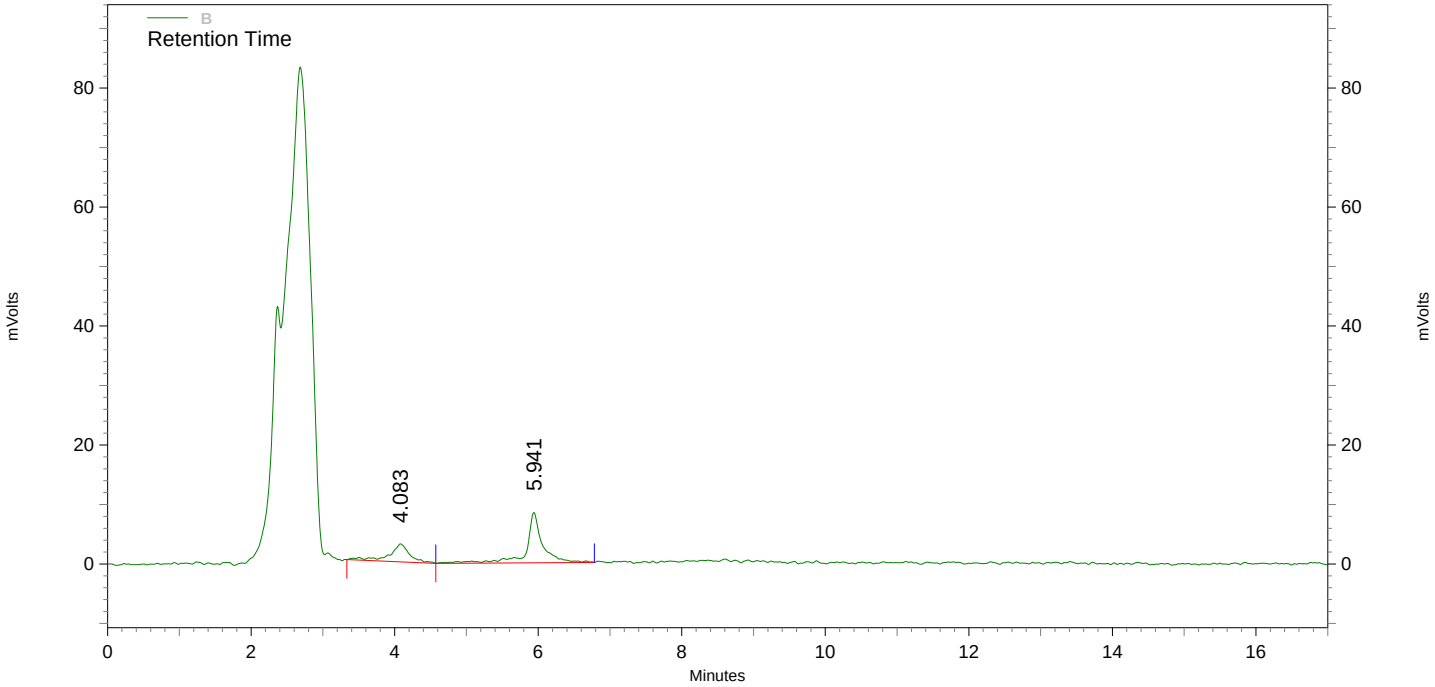
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\021.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337832,
Acquired: Aug 27, 2013 15:38:36
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.400	3086	**0.000**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.941	48423	**118.581**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

B Results

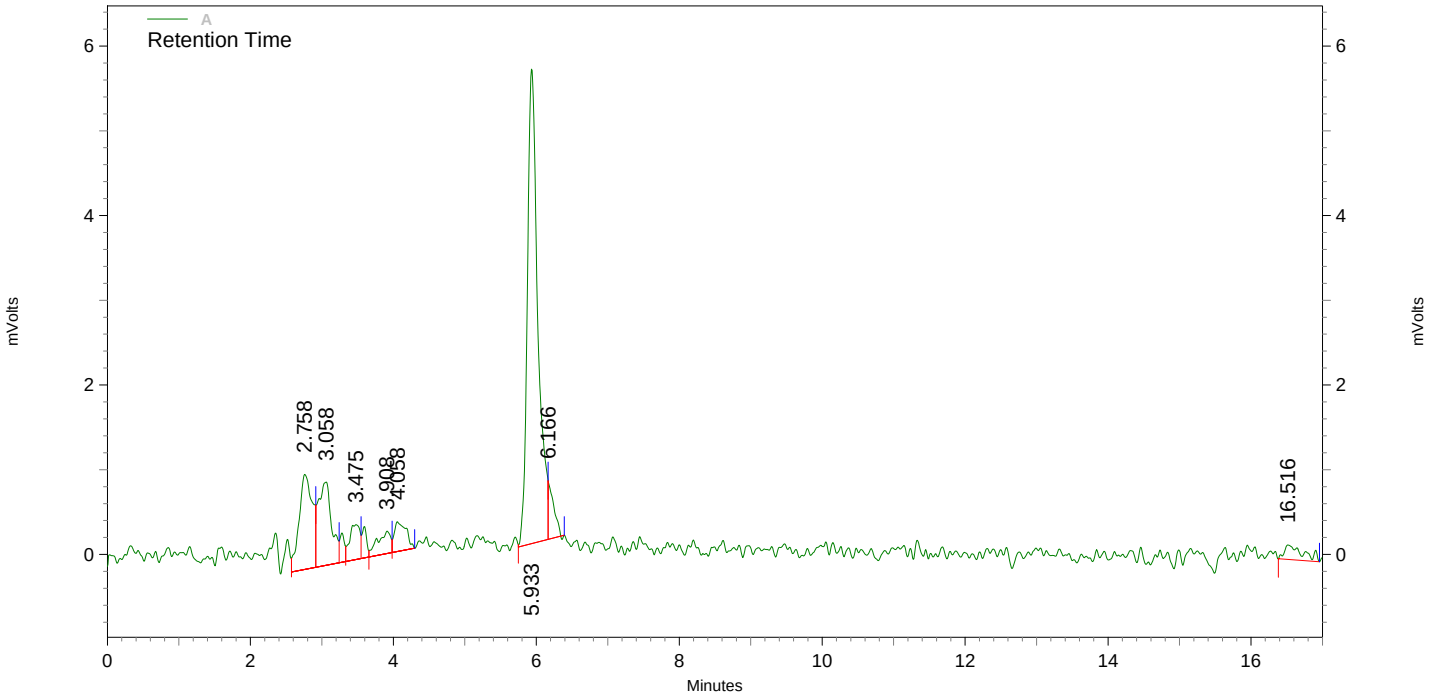
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

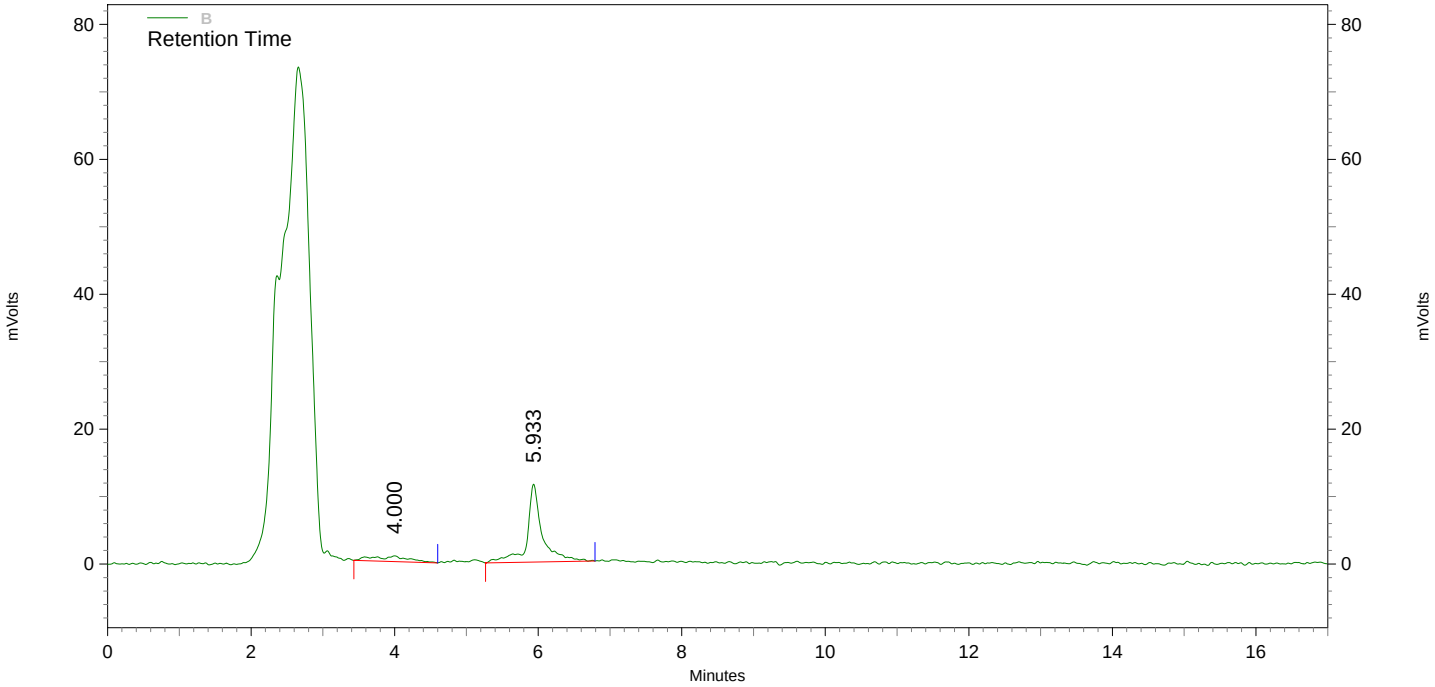
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\022.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337834,
Acquired: Aug 27, 2013 15:56:53
Data Summary: Reason #3, #4 applies to data. RED 8/28/2013

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.475	4215	**0.000**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.933	57043	**141.053**
135-TNB	6.166	3600	**0.000**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

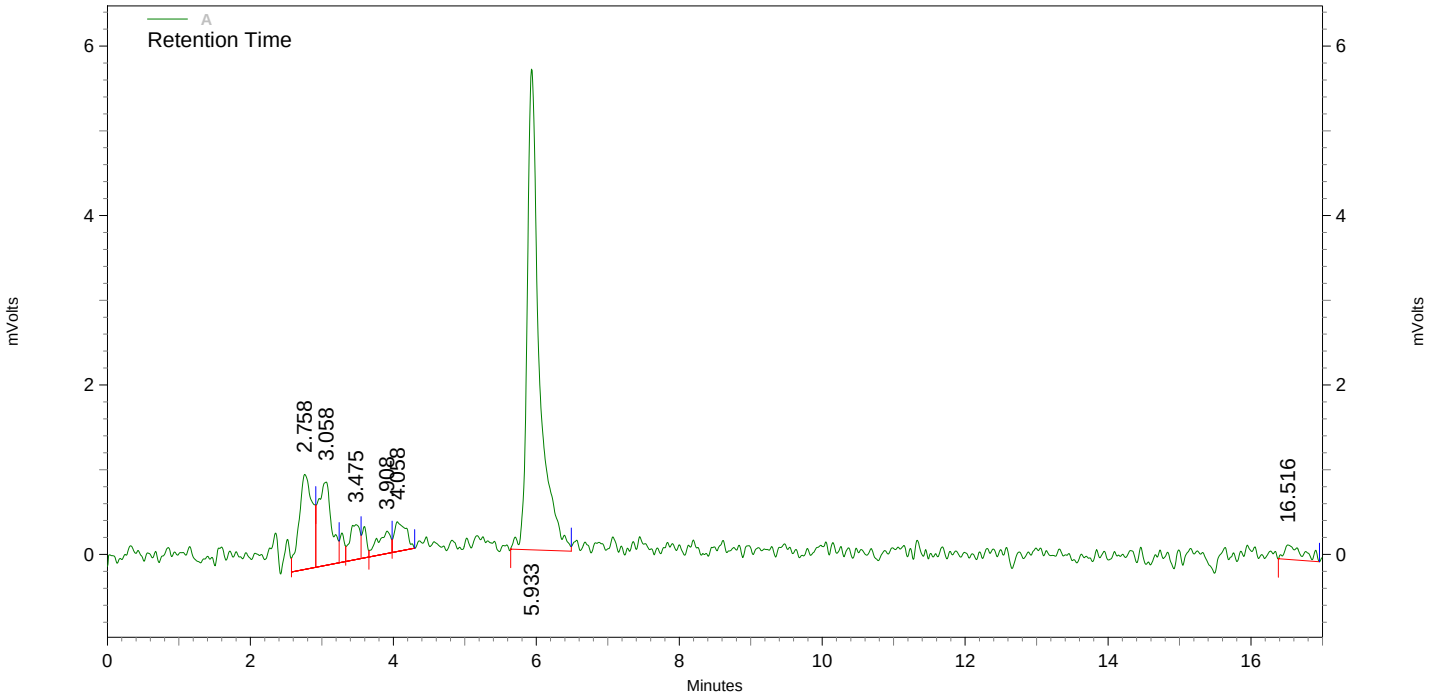
B Results

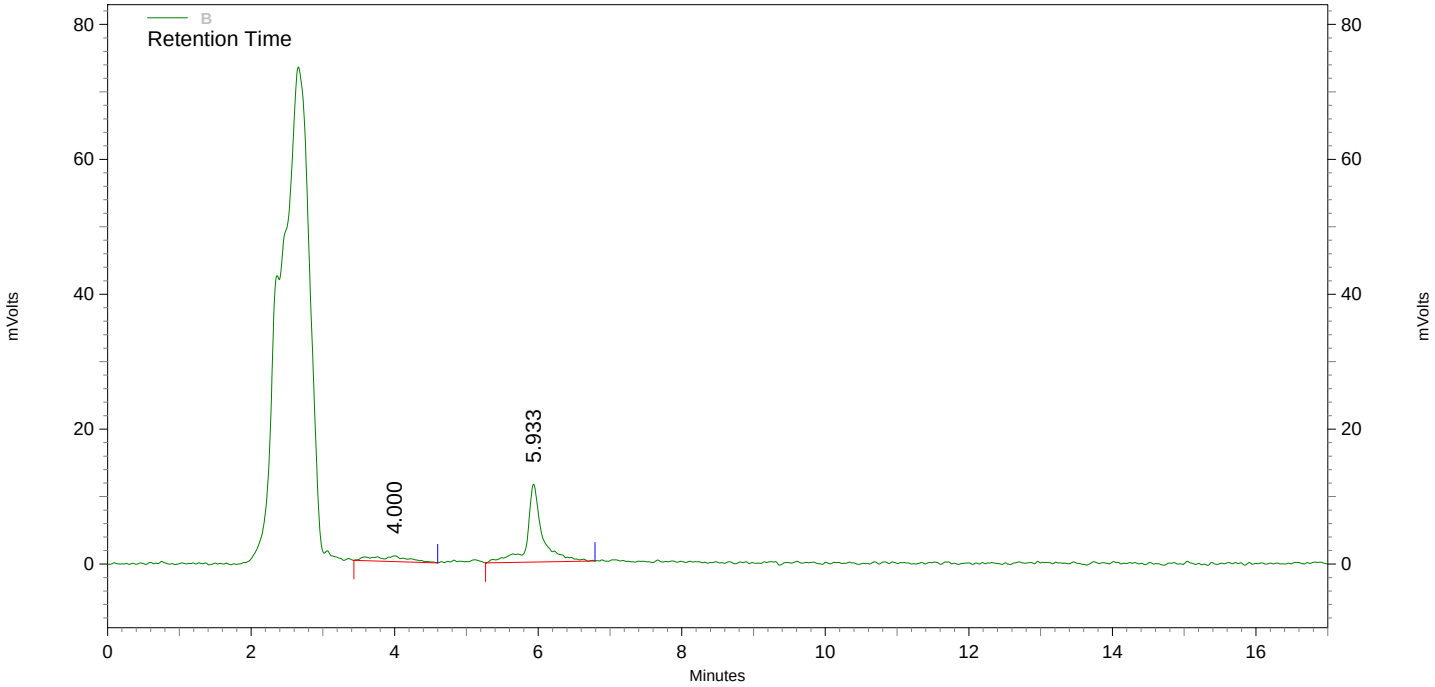
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\022.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,337834,
Acquired: Aug 27, 2013 15:56:53
Data Summary: Reason #3, #4 applies to data. RED 8/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.475	4215	**0.000**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.933	65967	**164.319**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

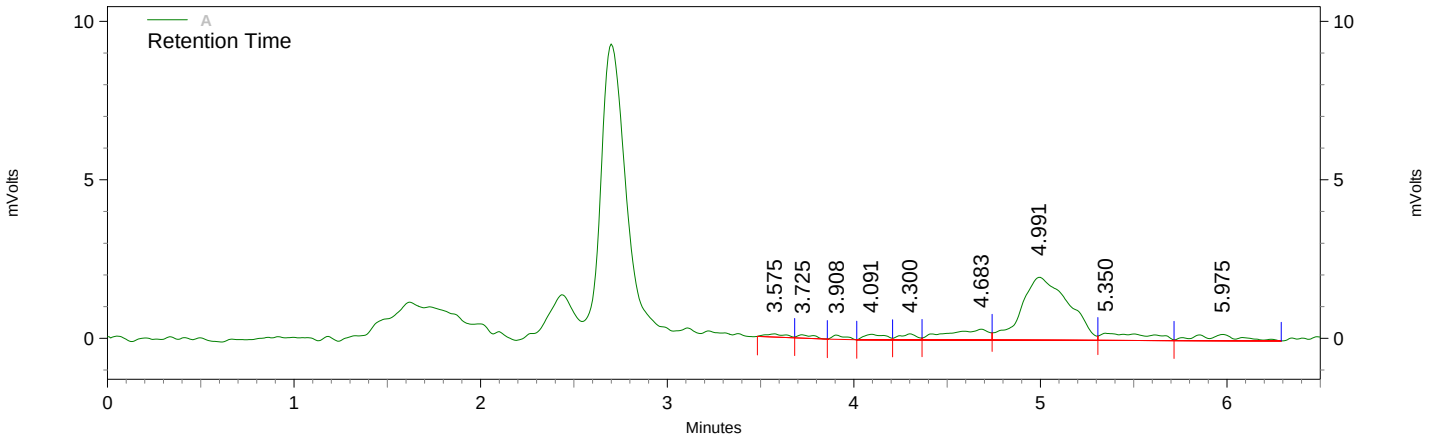
After Manual Integration

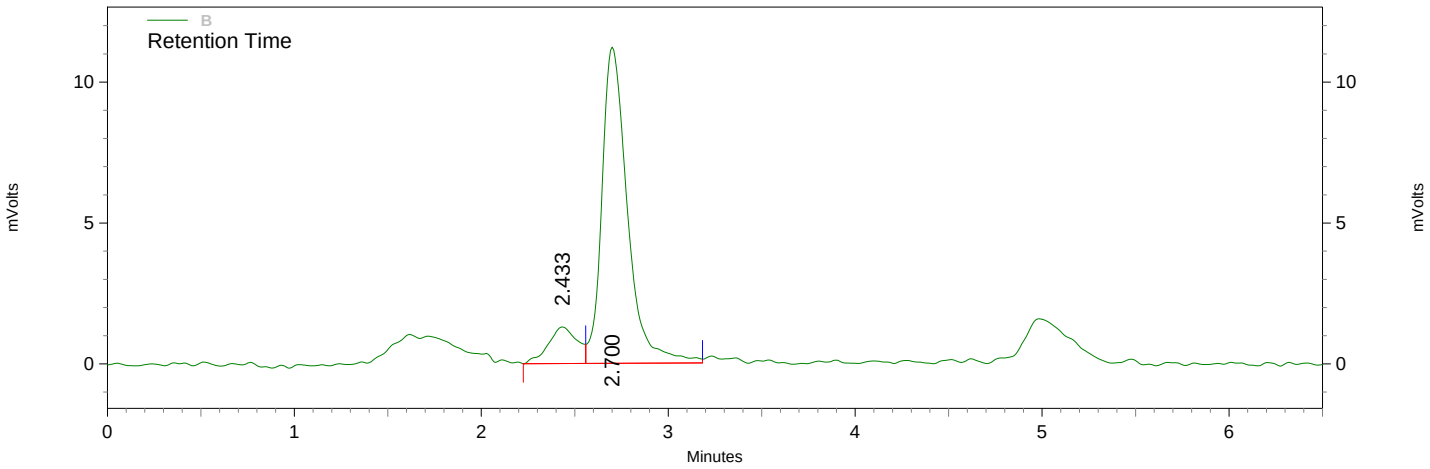
RED 09/05/2013

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\007.dat
User ID: RED
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,337811,
Acquired: Aug 28, 2013 10:36:06
Data Summary: Reason #4 applies to data. RED 8/28/2013

JJY 08/29/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.991	34728	**70.511**

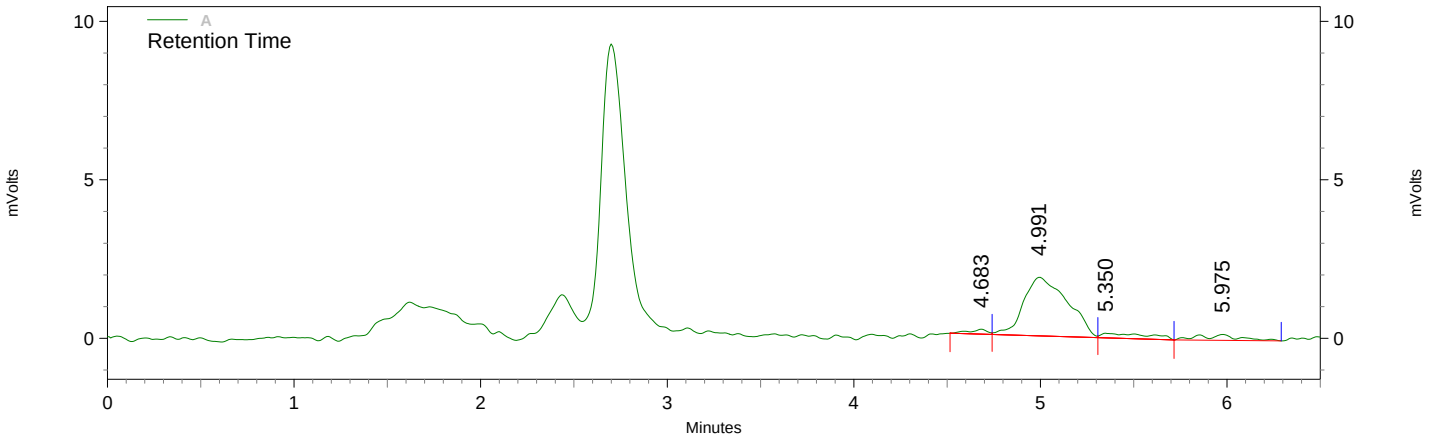
B Results

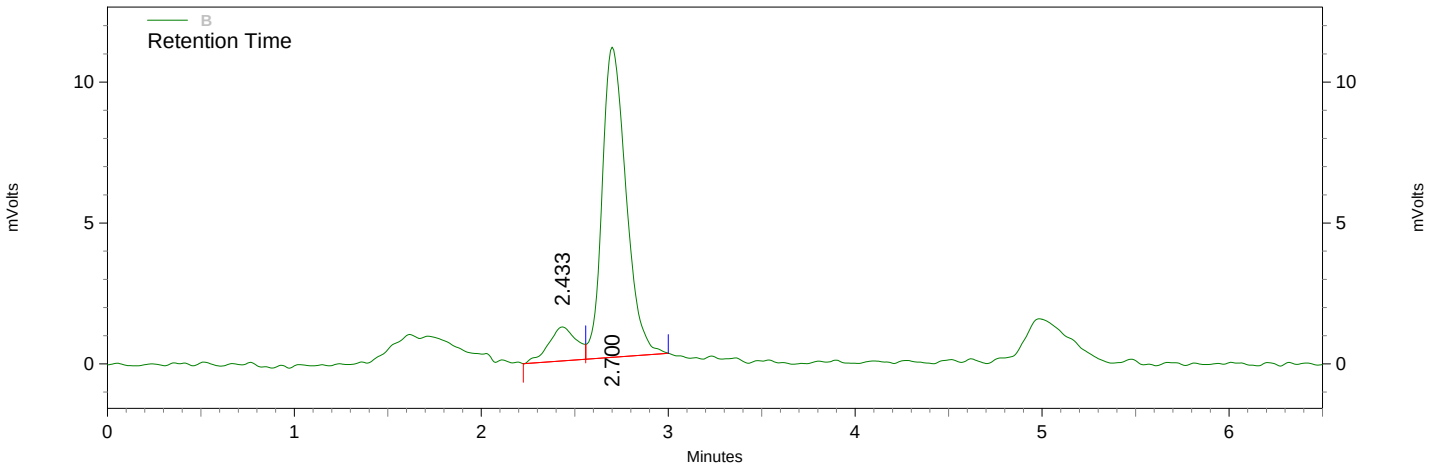
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.433	13976	**0.018**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\007.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,337811,
Acquired: Aug 28, 2013 10:36:06
Data Summary: Reason #4 applies to data. RED 8/28/2013





A Results

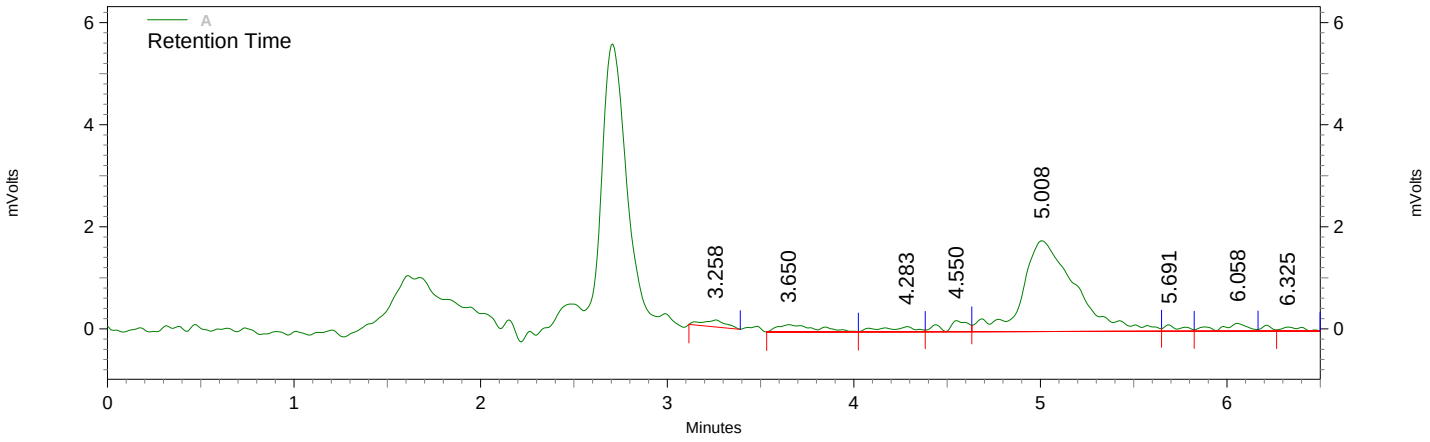
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.991	30280	**61.285**

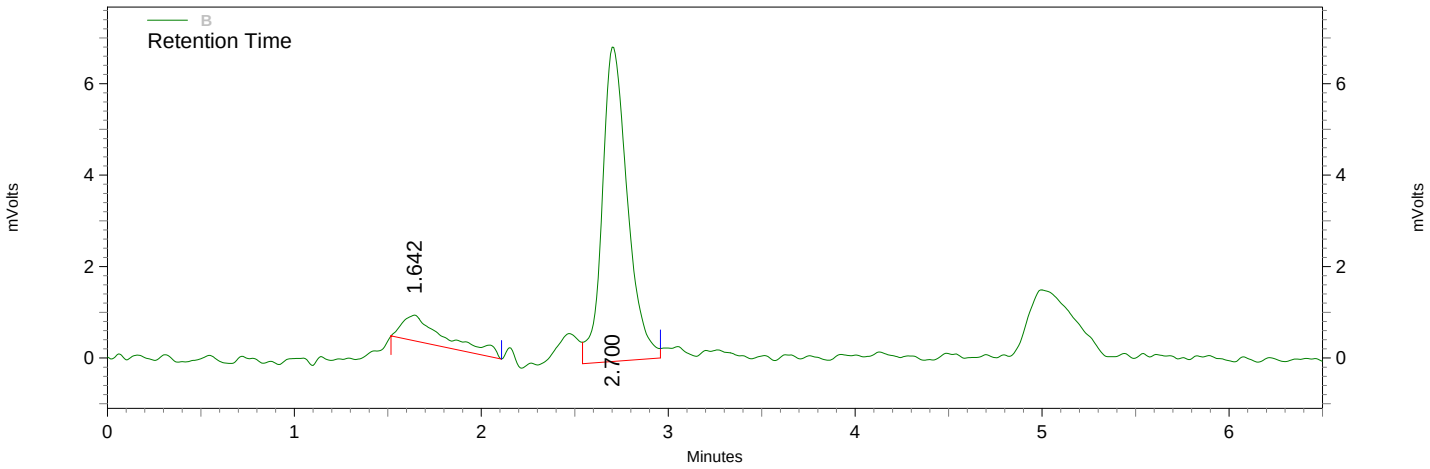
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.433	12470	**0.021**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\008.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,337812,
Acquired: Aug 28, 2013 10:44:18
Data Summary: {Data Description}





A Results

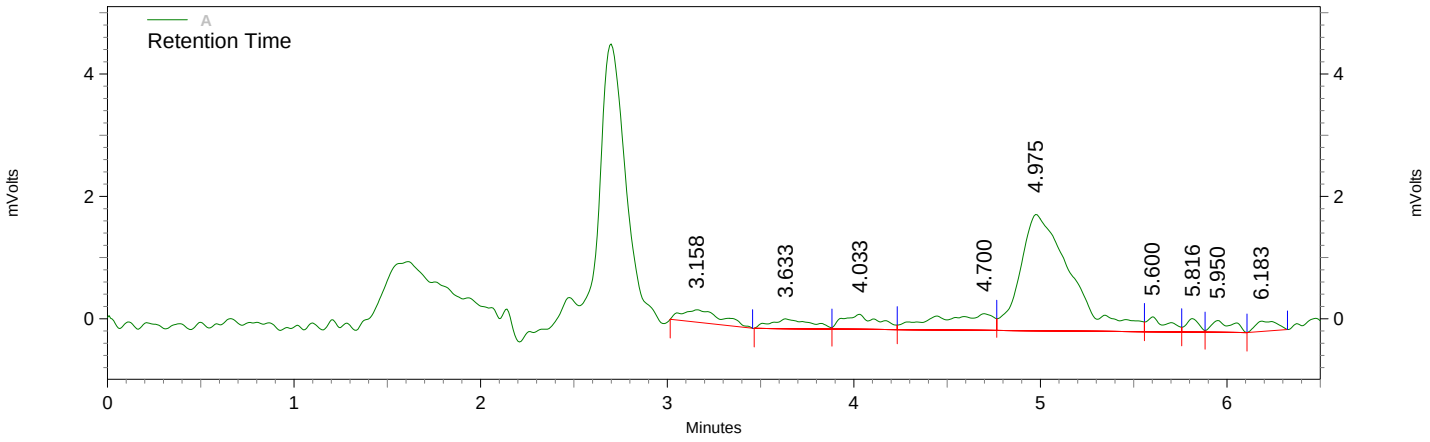
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.008	34896	**70.860**

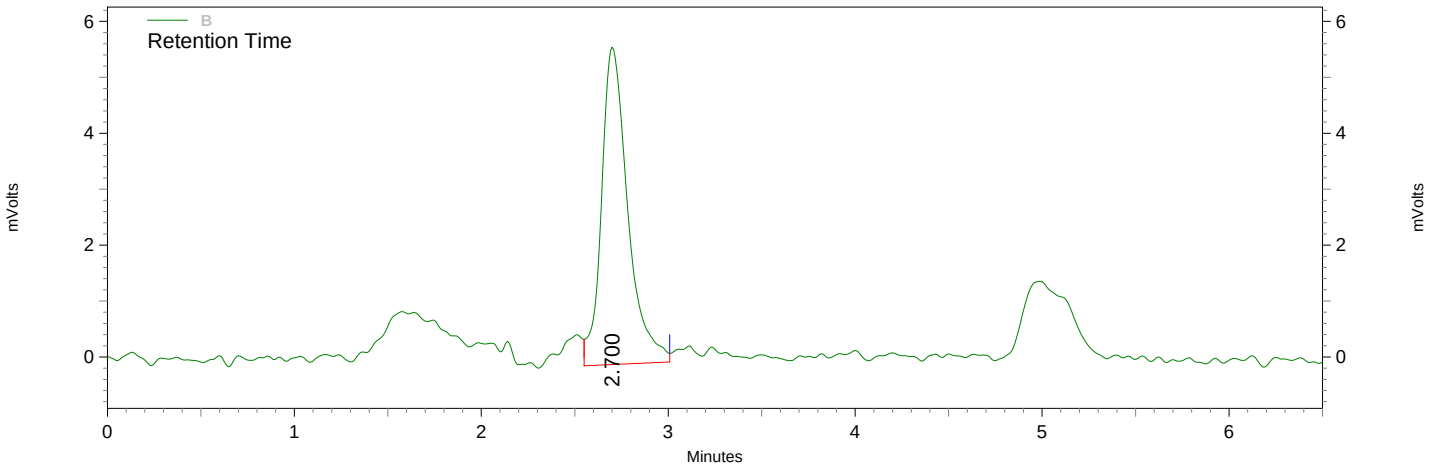
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\009.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,337813,
Acquired: Aug 28, 2013 10:52:29
Data Summary: {Data Description}





A Results

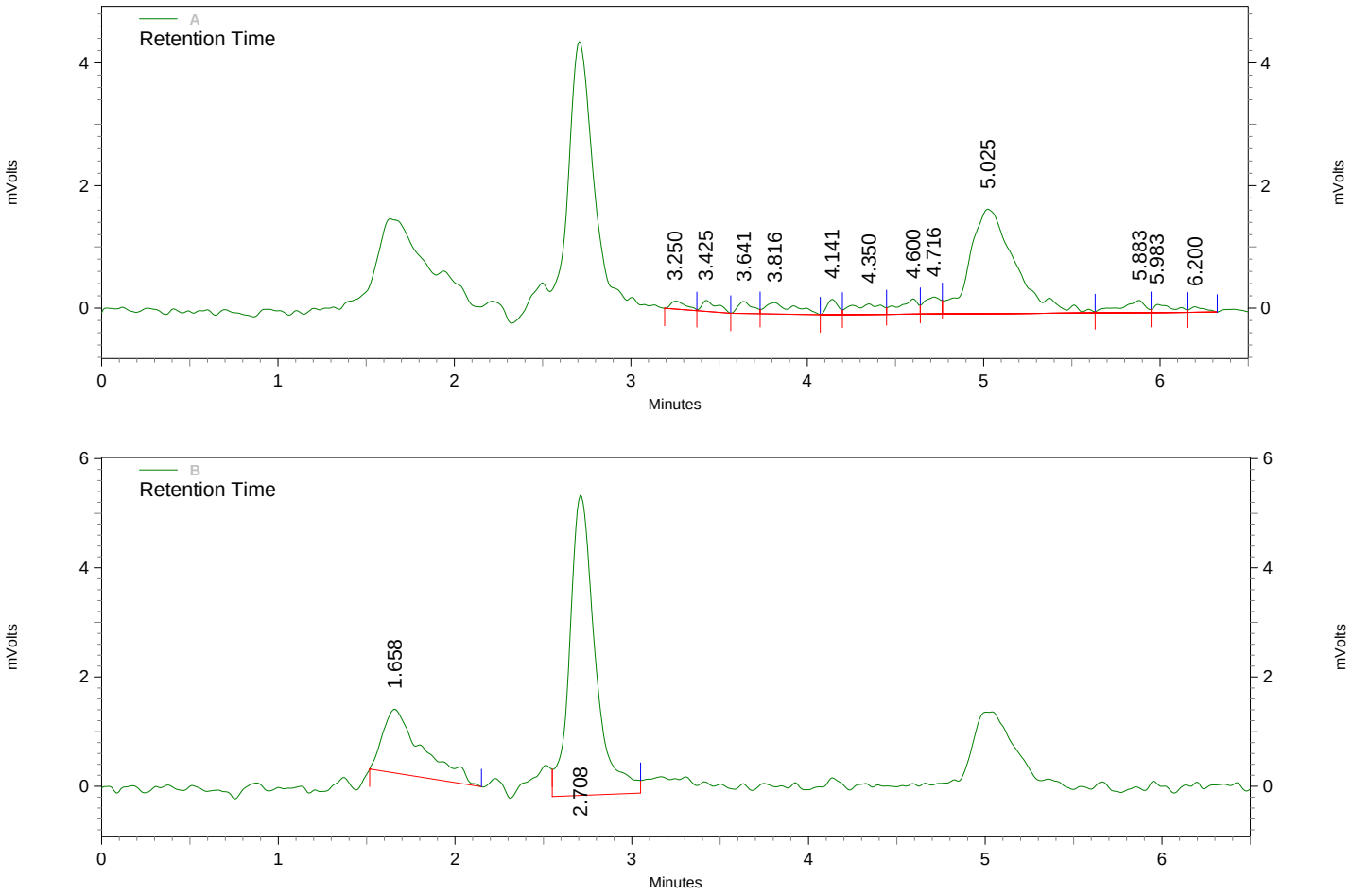
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.975	35467	**72.044**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\010.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,337815,
Acquired: Aug 28, 2013 11:00:44
Data Summary: {Data Description}



A Results

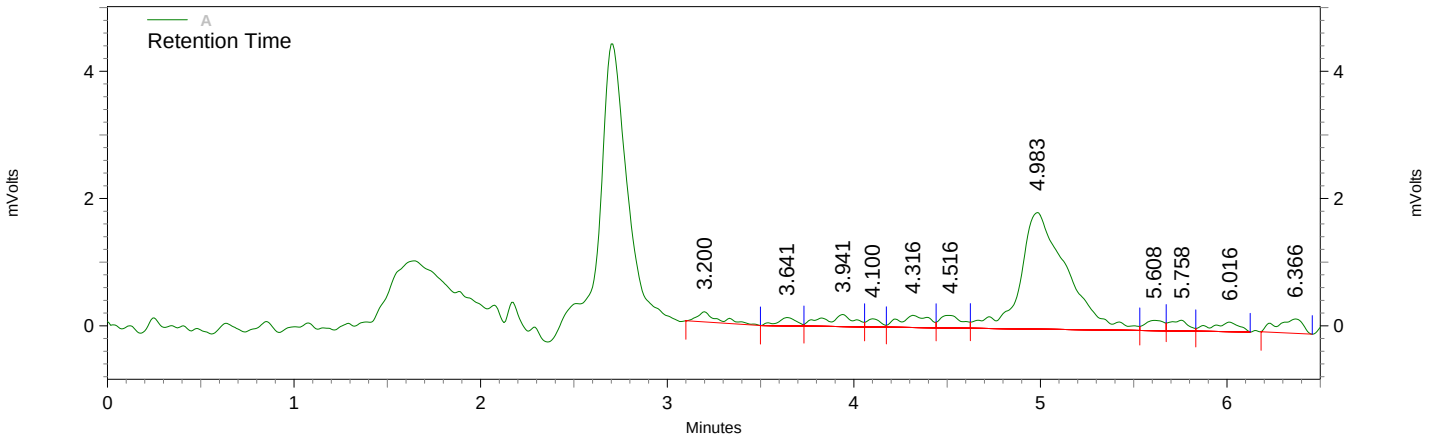
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.025	30303	**61.333**

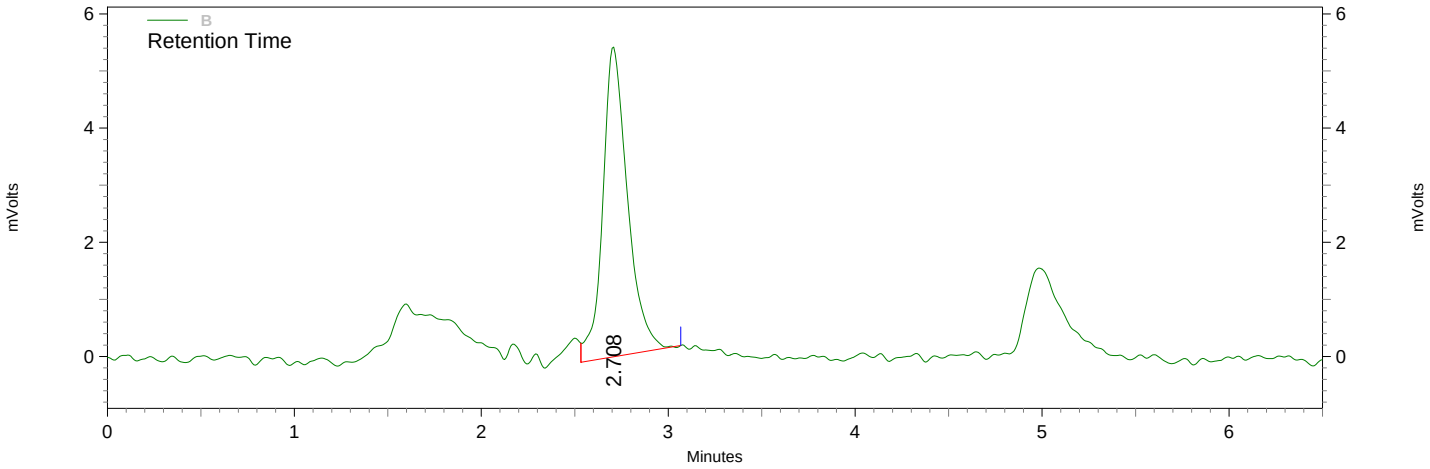
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\013.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,337818,
Acquired: Aug 28, 2013 11:25:20
Data Summary: {Data Description}





A Results

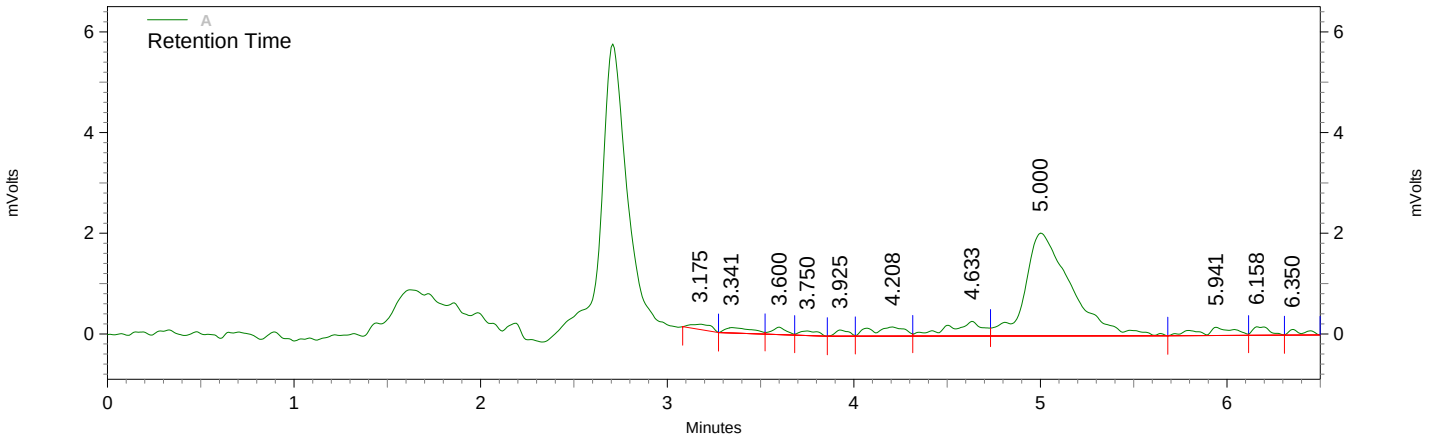
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.983	31485	**63.785**

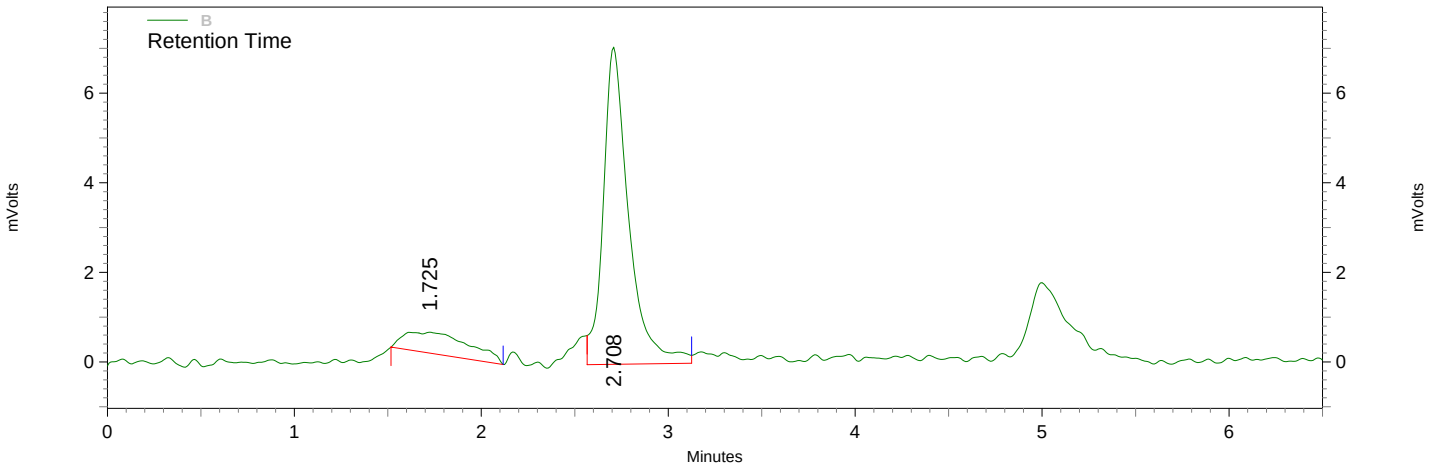
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\014.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,337820,
Acquired: Aug 28, 2013 11:33:33
Data Summary: {Data Description}





A Results

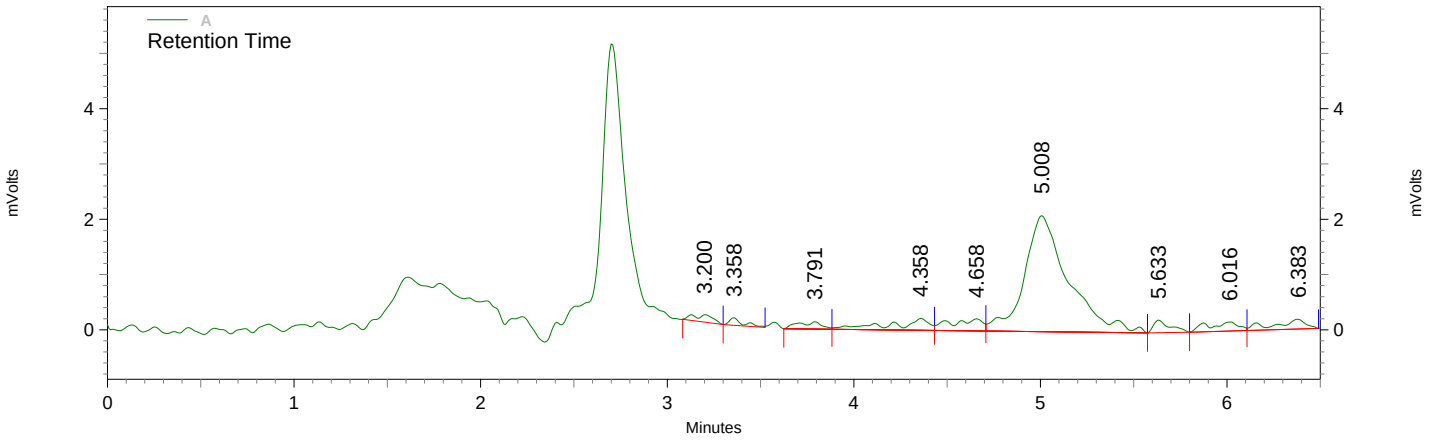
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.000	34688	**70.428**

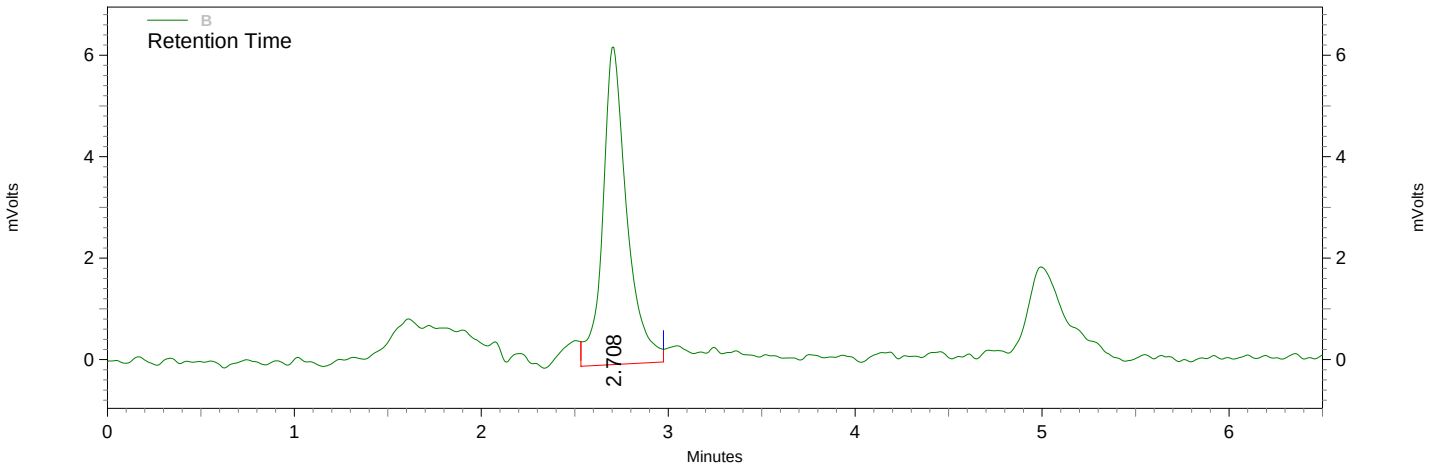
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\016.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,337822,
Acquired: Aug 28, 2013 11:49:54
Data Summary: {Data Description}





A Results

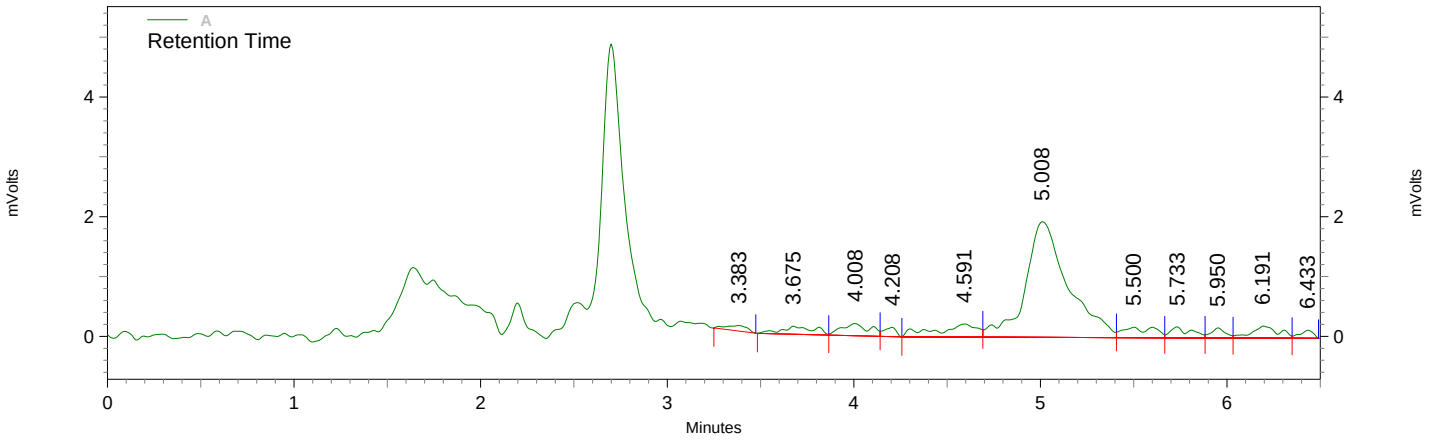
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.008	34319	**69.663**

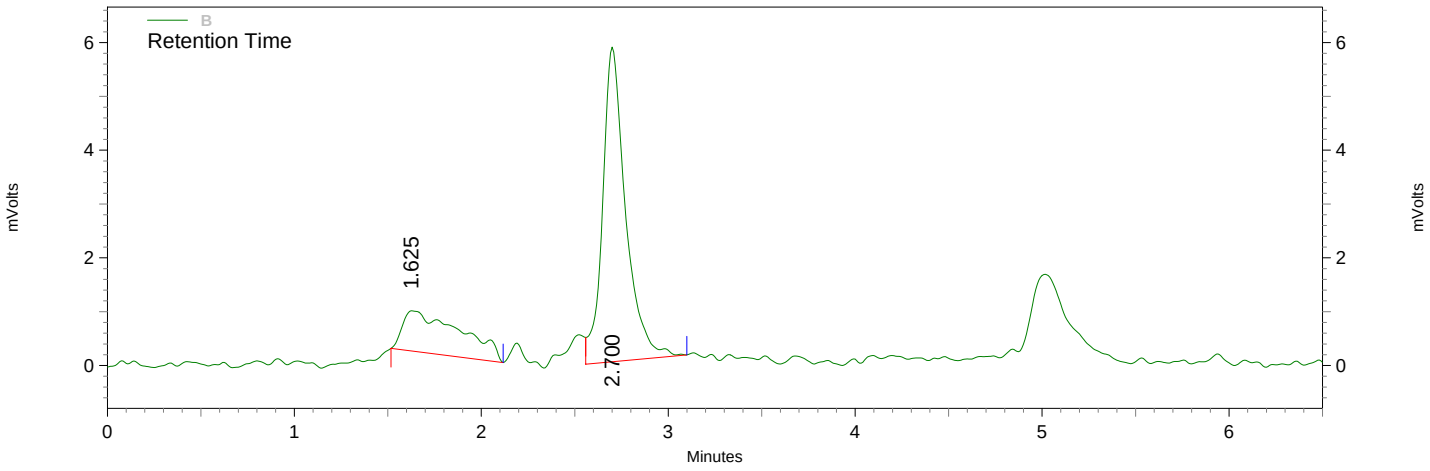
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\017.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,337824,
Acquired: Aug 28, 2013 11:58:05
Data Summary: {Data Description}





A Results

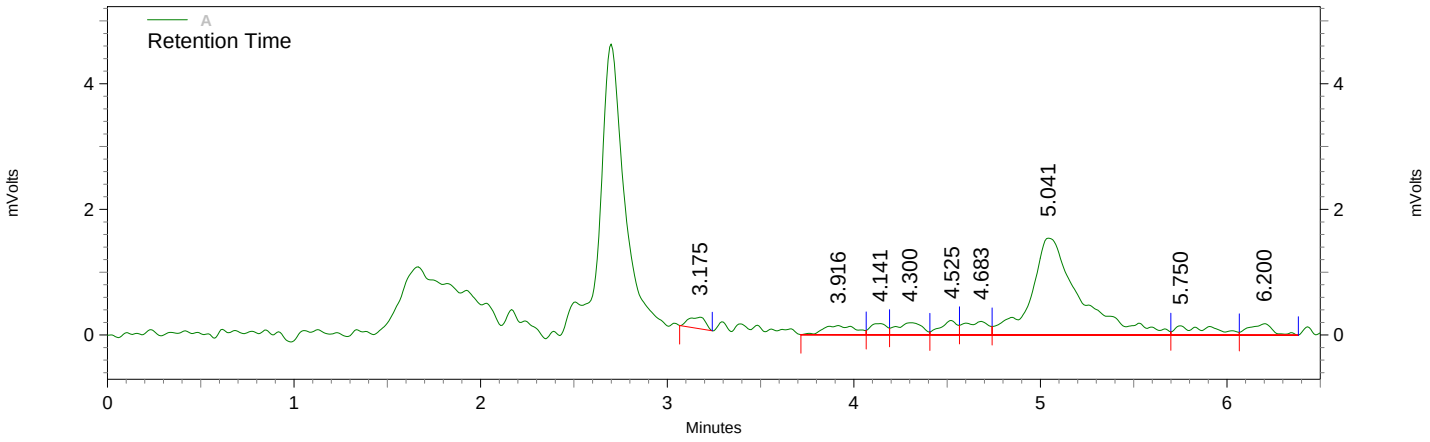
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.008	30413	**61.561**

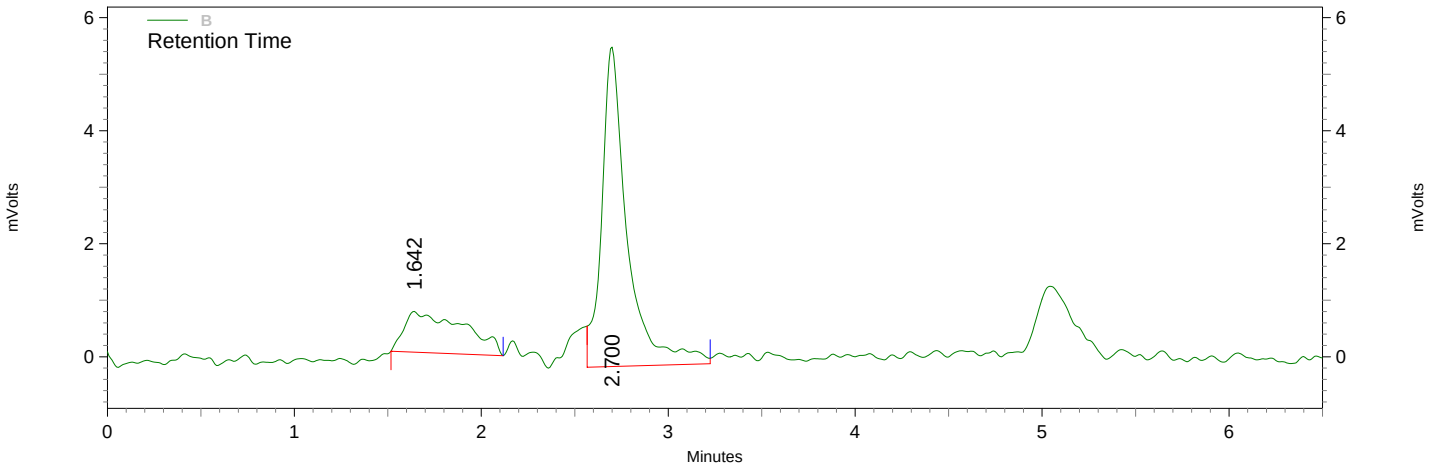
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\018.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,337826,
Acquired: Aug 28, 2013 12:06:16
Data Summary: {Data Description}





A Results

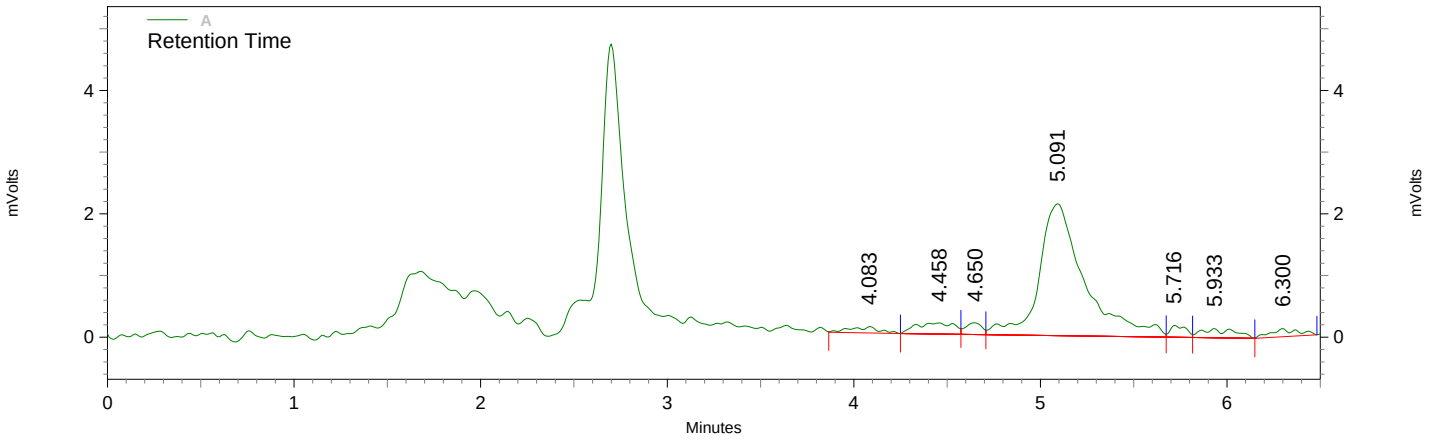
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.041	27625	**55.779**

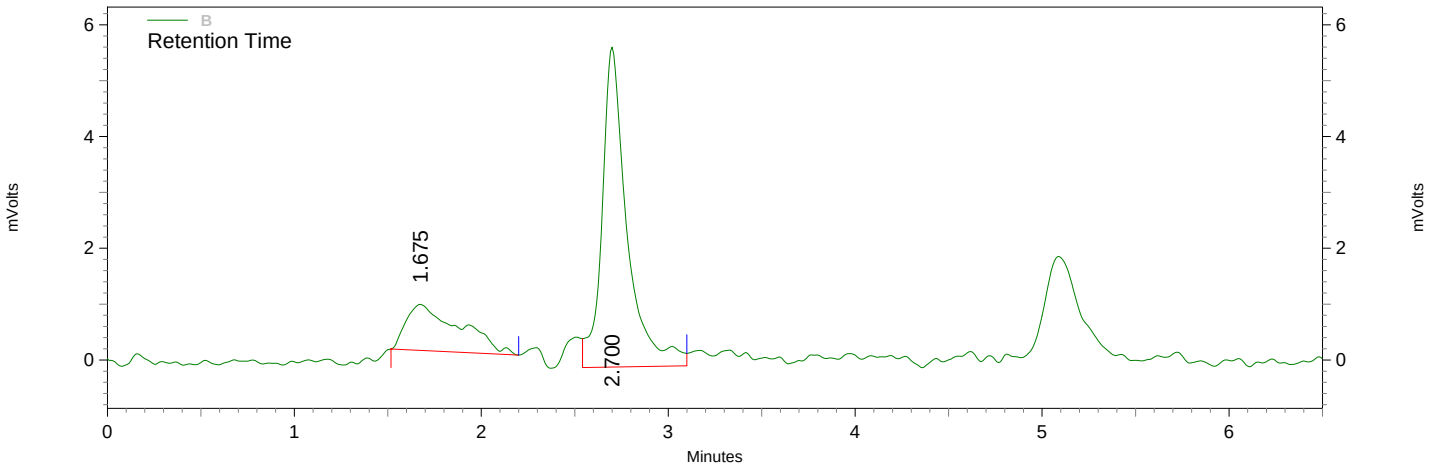
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\019.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,337828,
Acquired: Aug 28, 2013 12:14:27
Data Summary: {Data Description}





A Results

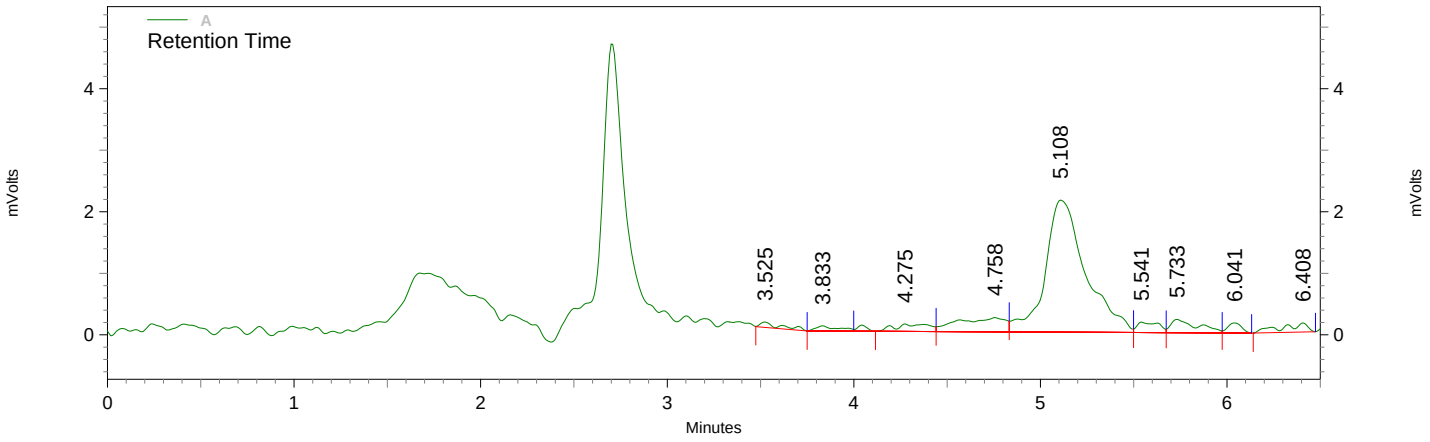
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.091	36092	**73.340**

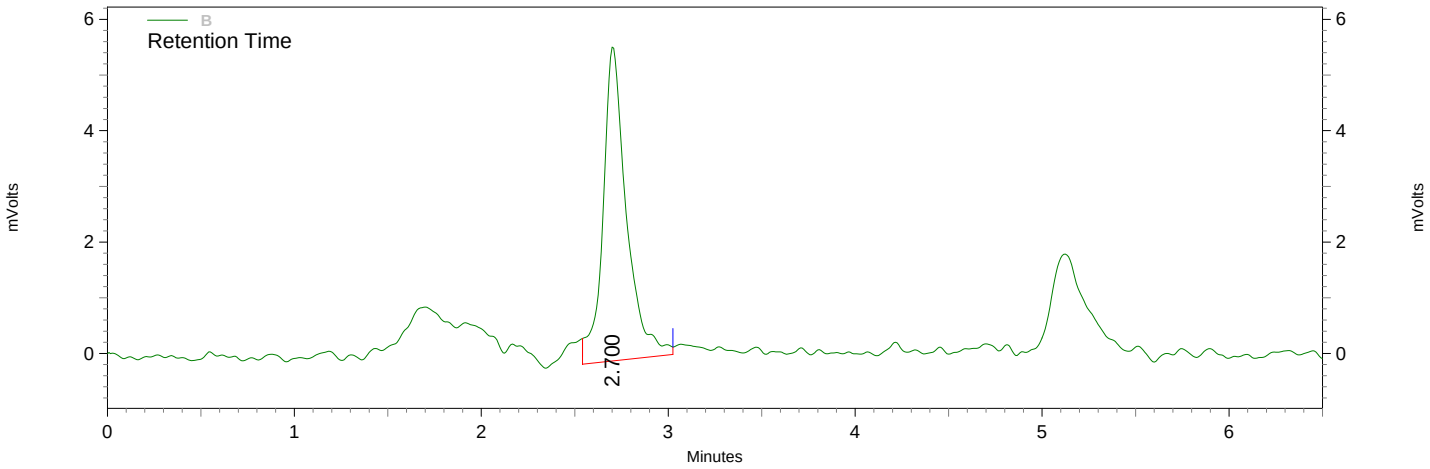
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\020.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,337830,
Acquired: Aug 28, 2013 12:22:40
Data Summary: {Data Description}





A Results

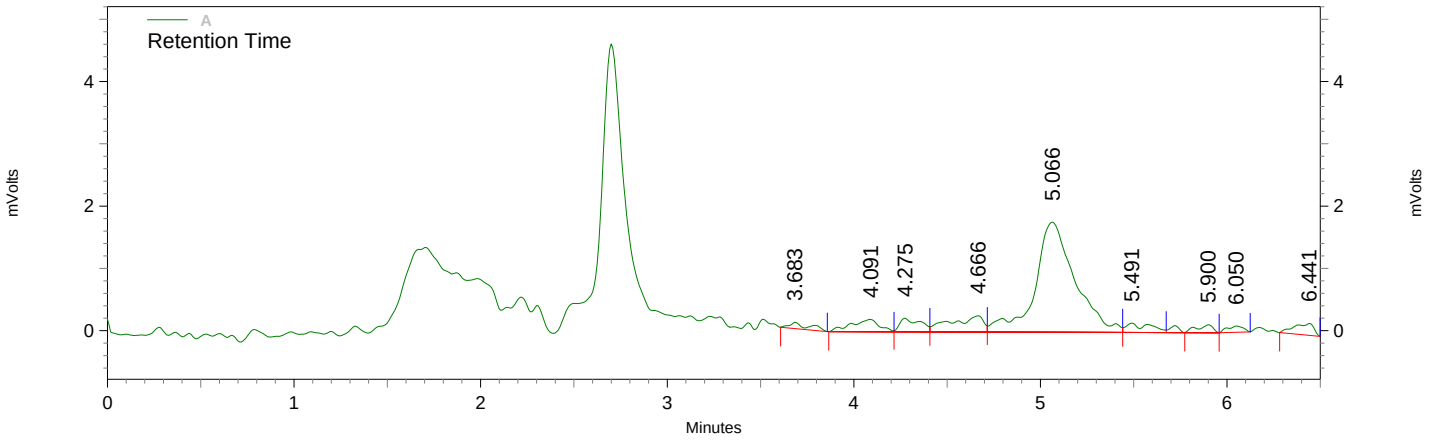
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.108	32201	**65.270**

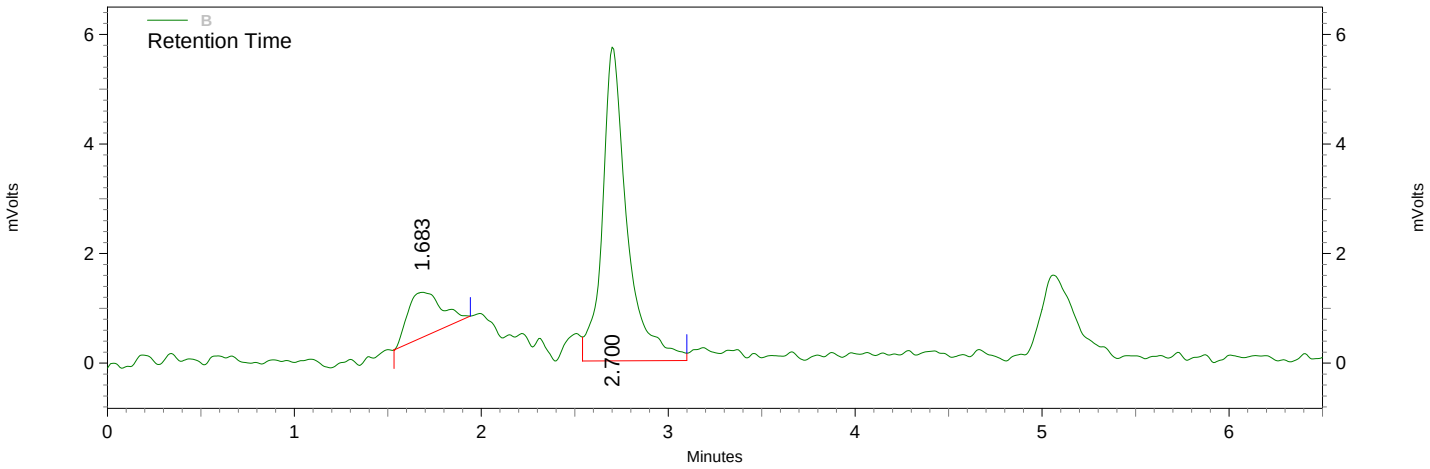
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\021.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,337832,
Acquired: Aug 28, 2013 12:30:54
Data Summary: {Data Description}





A Results

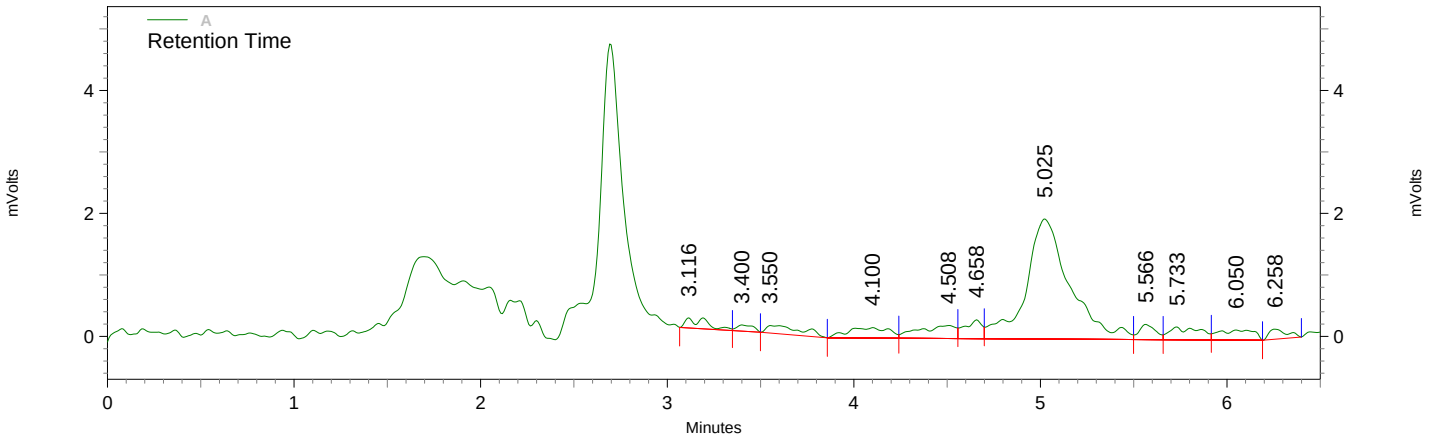
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.066	26160	**52.740**

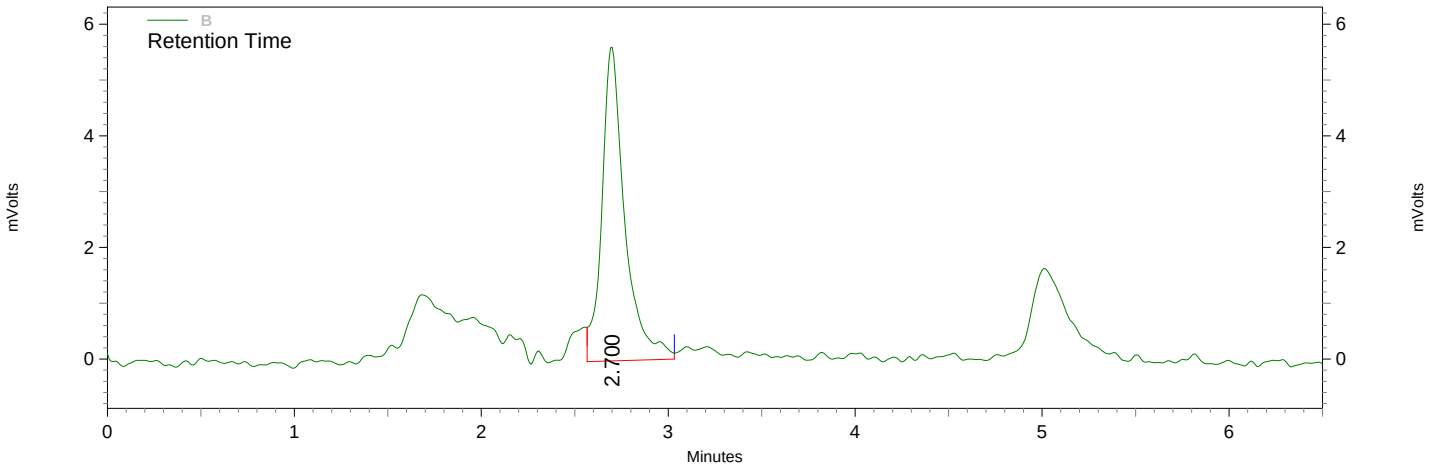
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\022.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,337834,
Acquired: Aug 28, 2013 12:39:07
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.025	31739	**64.312**

B Results

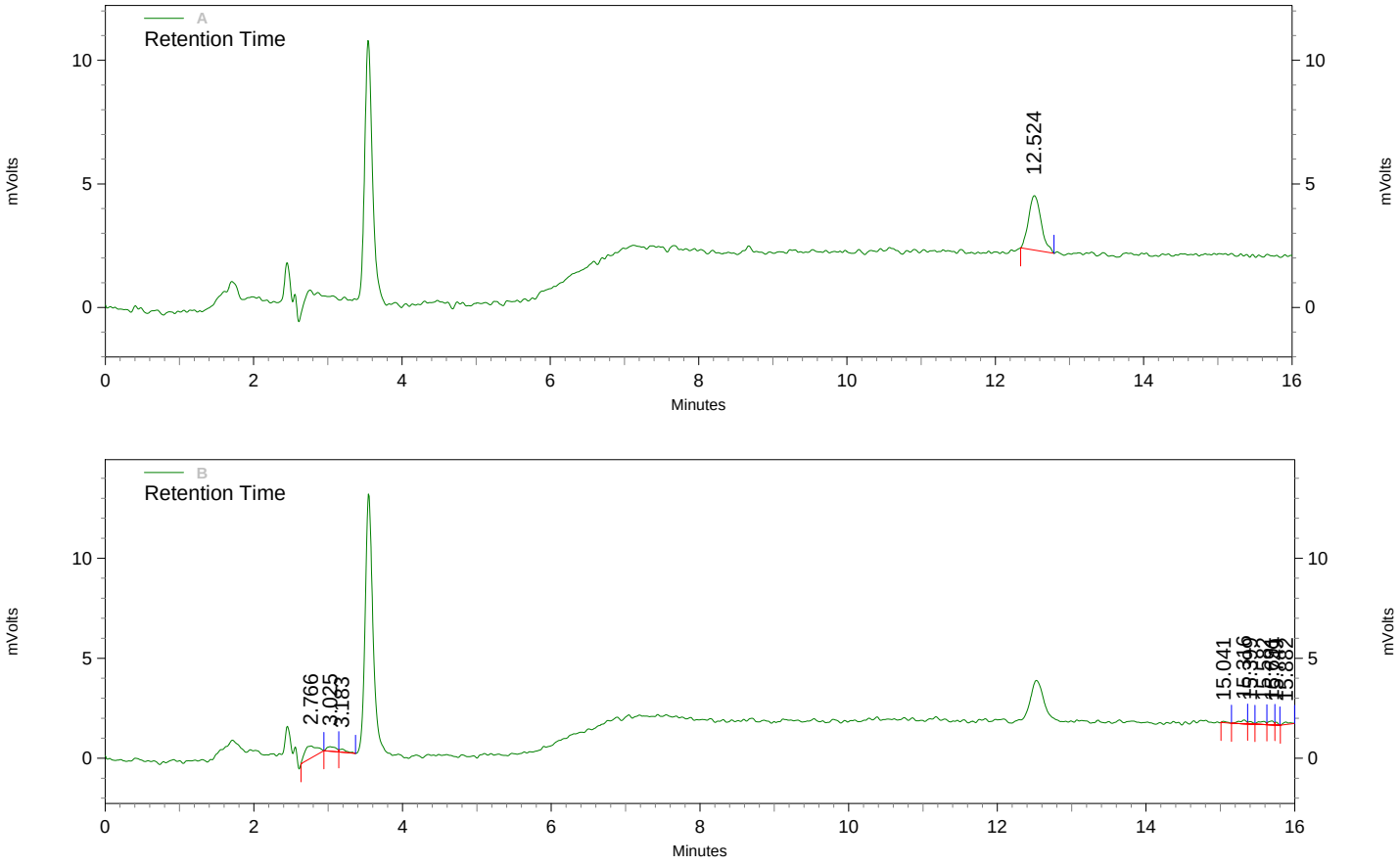
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

NITROAROMATICS ANALYSIS
CONFIRMATION
SAMPLE DATA
DOCUMENTS

RED
09/05/2013

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082913nq-confirm\006.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\082913NQ-confirm.met
User ID: **RED**
Sample ID: 97061,337811,
Acquired: Aug 29, 2013 11:45:56
Data summary: {Data Description}



A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	12.524	25962	**63.499**

B Results

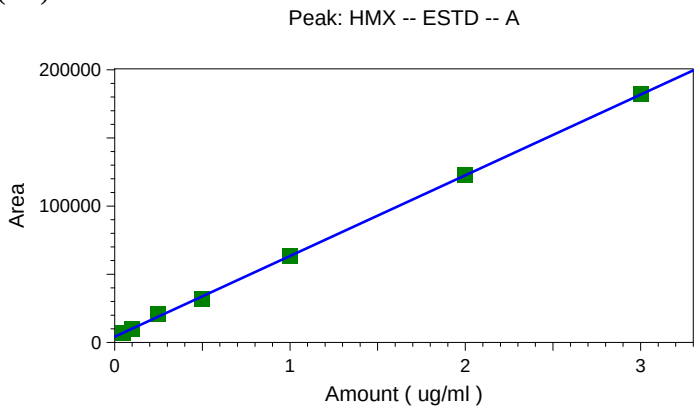
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.766	7100	**0.000**

NITROAROMATICS ANALYSIS
INITIAL CALIBRATION
DOCUMENTS

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:27
User: RED
Instrument: HPLC 2 (Offline)

HMX (A)
Average RF: 81920.9 RF StDev: 30056.1 RF %RSD: 36.6891
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 59192.0x + 4198.58
Goodness of fit (r^2): 0.999703



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.05	0.1	0.25	0.5	1
Area	7060	10071	20629	31640	63613
RF	141200	100710	82516	63280	63613
Last Area					
Residual	0.00165871	0.00079036	-0.0275783	0.0364	-0.0037573
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	7060	10071	20629	31640	63613
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				31640	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:27
User: RED
Instrument: HPLC 2 (Offline)

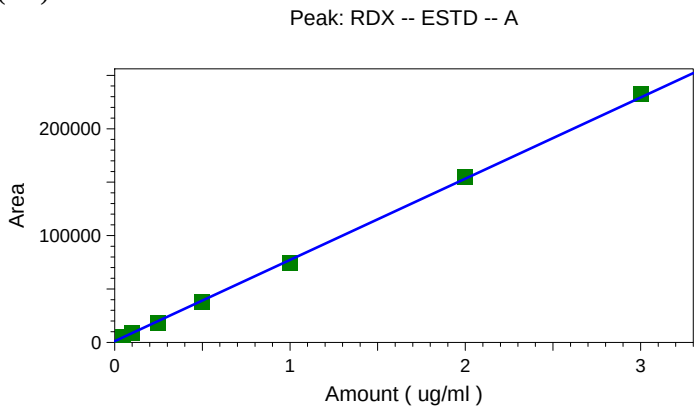
Rep 2 Data File				C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat
Rep 2 Sample ID				8330 Pt. 4 EXP 5005
Rep 2 Calib. Time				Apr 26, 2013 07:36:23

	Level 6	Level 7
Amount	2	3
Area	122599	182484
RF	61299.5	60828
Last Area		
Residual	-0.000276825	-0.0119842
Rep StDev		
Rep %RSD		
Rep 1 Area	122599	182484
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:35
User: RED
Instrument: HPLC 2 (Offline)

RDX (A)
Average RF: 82583.9 RF StDev: 12461.5 RF %RSD: 15.0895
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 76057.8x + 1108.71
Goodness of fit (r^2): 0.999382



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.05	0.1	0.25	0.5	1
Area	5350	9219	18452	37788	74456
RF	107000	92190	73808	75576	74456
Last Area					
Residual	-0.00576398	-0.00663317	0.0219723	0.0177447	0.0356378
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	5350	9219	18452	37788	74456
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				37788	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:35
User: RED
Instrument: HPLC 2 (Offline)

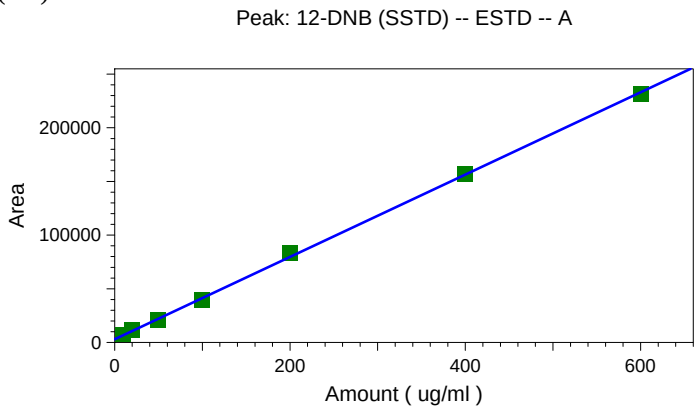
Rep 2 Data File			C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	
Rep 2 Sample ID			8330 Pt. 4 EXP 5005	
Rep 2 Calib. Time			Apr 26, 2013 07:36:23	

	Level 6	Level 7
Amount	2	3
Area	154886	232843
RF	77443	77614.3333333333
Last Area Residual	-0.0218471	-0.0468174
Rep StDev		
Rep %RSD		
Rep 1 Area	154886	232843
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:40
User: RED
Instrument: HPLC 2 (Offline)

12-DNB (SSTD) (A)
Average RF: 464.090 RF StDev: 108.199 RF %RSD: 23.3142
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 383.575x + 2938.38
Goodness of fit (r^2): 0.999578



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	10	20	50	100	200
Area	6504	11749	21273	39250	82859
RF	650.4	587.45	425.46	392.5	414.295
Last Area					
Residual	0.704261	-2.96971	2.20075	5.33383	-8.35699
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	6504	11749	21273	39250	82859
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				39250	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:40
User: RED
Instrument: HPLC 2 (Offline)

Rep 2 Data File				C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat
Rep 2 Sample ID				8330 Pt. 4 EXP 5005
Rep 2 Calib. Time				Apr 26, 2013 07:36:23

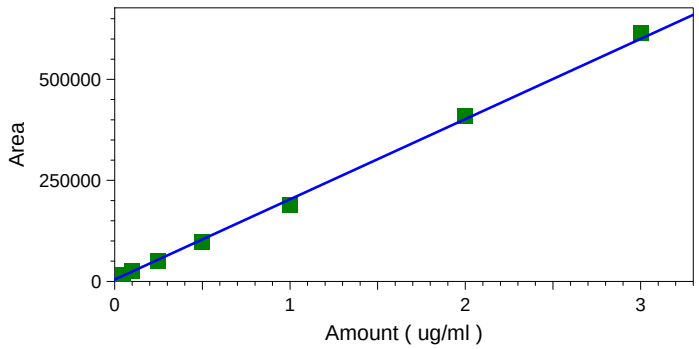
	Level 6	Level 7
Amount	400	600
Area	156906	231757
RF	392.265	386.261666666667
Last Area Residual	-1.40116	3.45859
Rep StDev		
Rep %RSD		
Rep 1 Area	156906	231757
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:44
User: RED
Instrument: HPLC 2 (Offline)

135-TNB (A)
Average RF: 224766. RF StDev: 46135.1 RF %RSD: 20.5259
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 198524.x + 4462.83
Goodness of fit (r^2): 0.998243

Peak: 135-TNB -- ESTD -- A



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.05	0.1	0.25	0.5	1
Area	15785	25887	51059	98481	188173
RF	315700	258870	204236	196962	188173
Last Area					
Residual	-0.00703185	-0.00791749	0.0152865	0.0264131	0.0746179
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	15785	25887	51059	98481	188173
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				98481	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:44
User: RED
Instrument: HPLC 2 (Offline)

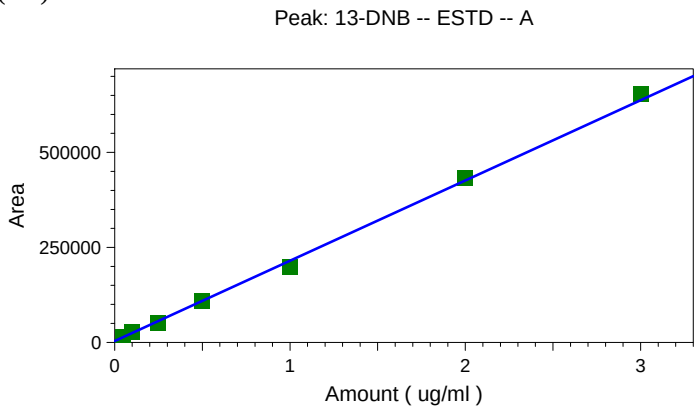
Rep 2 Data File				C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat
Rep 2 Sample ID				8330 Pt. 4 EXP 5005
Rep 2 Calib. Time				Apr 26, 2013 07:36:23

	Level 6	Level 7
Amount	2	3
Area	408467	615555
RF	204233.5	205185
Last Area		
Residual	-0.0350438	-0.0781843
Rep StDev		
Rep %RSD		
Rep 1 Area	408467	615555
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:47
User: RED
Instrument: HPLC 2 (Offline)

13-DNB (A)
Average RF: 232933. RF StDev: 40709.8 RF %RSD: 17.4770
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 211210.x + 3628.10
Goodness of fit (r^2): 0.998108



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.05	0.1	0.25	0.5	1
Area	15456	26872	50956	108694	197420
RF	309120	268720	203824	217388	197420
Last Area					
Residual	-0.0060006	-0.010051	0.0259204	0.0025529	0.082469
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	15456	26872	50956	108694	197420
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				108694	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:47
User: RED
Instrument: HPLC 2 (Offline)

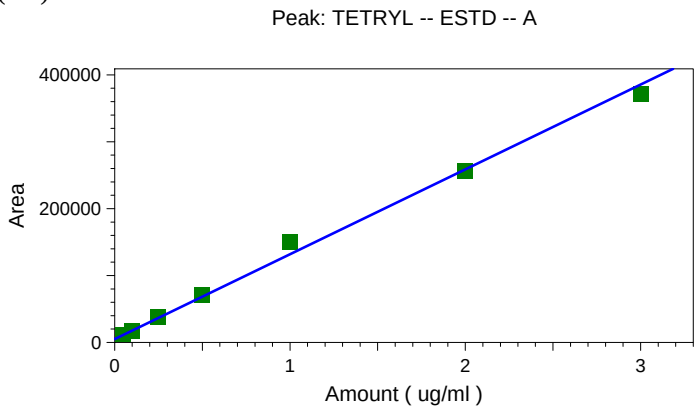
Rep 2 Data File				C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat
Rep 2 Sample ID				8330 Pt. 4 EXP 5005
Rep 2 Calib. Time				Apr 26, 2013 07:36:23

	Level 6	Level 7
Amount	2	3
Area	431800	654478
RF	215900	218159.333333333
Last Area Residual	-0.0272312	-0.081527
Rep StDev		
Rep %RSD		
Rep 1 Area	431800	654478
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:52
User: RED
Instrument: HPLC 2 (Offline)

TETRYL (A)
Average RF: 152900. RF StDev: 27894.6 RF %RSD: 18.2437
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 126894.x + 4953.14
Goodness of fit (r^2): 0.995484



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.05	0.1	0.25	0.5	1
Area	10256	17132	37697	70902	149411
RF	205120	171320	150788	141804	149411
Last Area					
Residual	0.00821032	0.0040234	-0.00804087	-0.0197158	-0.138413
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	10256	17132	37697	70902	149411
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				70902	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:52
User: RED
Instrument: HPLC 2 (Offline)

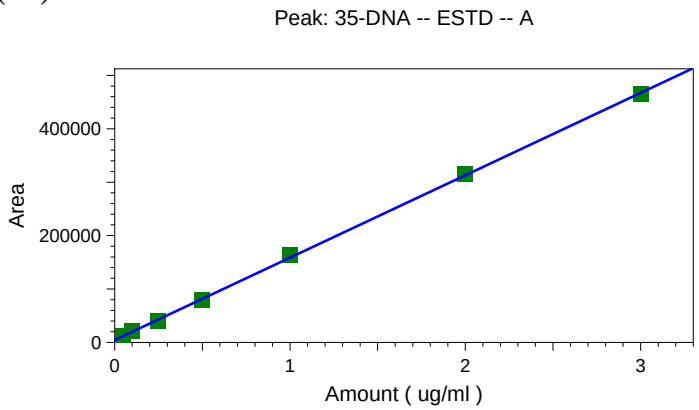
Rep 2 Data File			C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	
Rep 2 Sample ID			8330 Pt. 4 EXP 5005	
Rep 2 Calib. Time			Apr 26, 2013 07:36:23	

	Level 6	Level 7
Amount	2	3
Area	255759	371926
RF	127879.5	123975.333333333
Last Area Residual	0.0235026	0.108038
Rep StDev		
Rep %RSD		
Rep 1 Area	255759	371926
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:55
User: RED
Instrument: HPLC 2 (Offline)

35-DNA (A)
Average RF: 178962. RF StDev: 36310.9 RF %RSD: 20.2897
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 154277.x + 4452.62
Goodness of fit (r^2): 0.999821



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.05	0.1	0.25	0.5	1
Area	12552	20581	40424	79488	162686
RF	251040	205810	161696	158976	162686
Last Area					
Residual	-0.00249895	-0.00454174	0.0168389	0.0136318	-0.0256452
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	12552	20581	40424	79488	162686
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				79488	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:55
User: RED
Instrument: HPLC 2 (Offline)

Rep 2 Data File			C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	
Rep 2 Sample ID			8330 Pt. 4 EXP 5005	
Rep 2 Calib. Time			Apr 26, 2013 07:36:23	

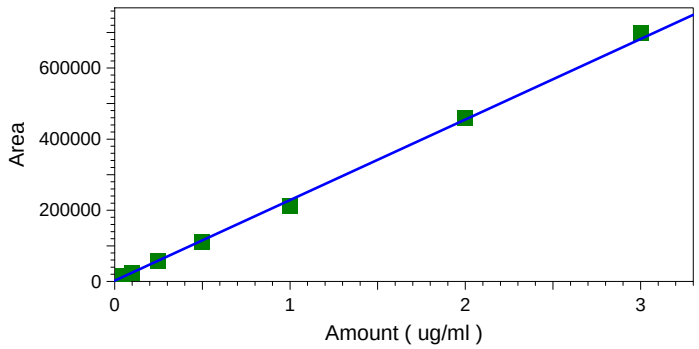
	Level 6	Level 7
Amount	2	3
Area	314546	465769
RF	157273	155256.333333333
Last Area Residual	-0.0099792	0.00981577
Rep StDev		
Rep %RSD		
Rep 1 Area	314546	465769
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:59
User: RED
Instrument: HPLC 2 (Offline)

NB (A)
Average RF: 237968. RF StDev: 26498.4 RF %RSD: 11.1353
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 226514.x + 1909.35
Goodness of fit (r^2): 0.998530

Peak: NB -- ESTD -- A



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.05	0.1	0.25	0.5	1
Area	14648	24771	57100	110575	212997
RF	292960	247710	228400	221150	212997
Last Area					
Residual	-0.00623775	-0.000928115	0.00634791	0.0202699	0.0681039
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	14648	24771	57100	110575	212997
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				110575	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:39:59
User: RED
Instrument: HPLC 2 (Offline)

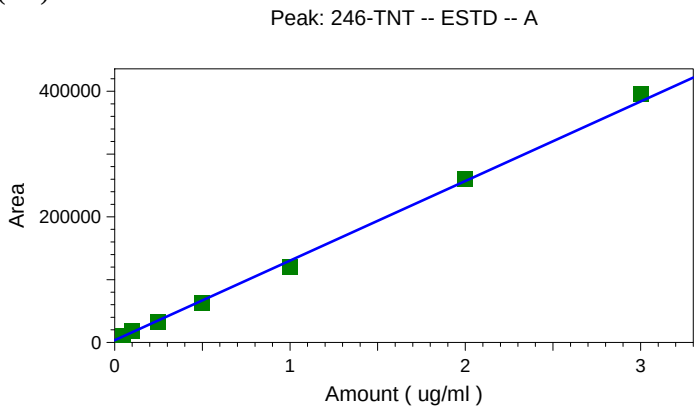
Rep 2 Data File			C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	
Rep 2 Sample ID			8330 Pt. 4 EXP 5005	
Rep 2 Calib. Time			Apr 26, 2013 07:36:23	

	Level 6	Level 7
Amount	2	3
Area	458950	699242
RF	229475	233080.666666667
Last Area Residual	-0.0177135	-0.0785391
Rep StDev		
Rep %RSD		
Rep 1 Area	458950	699242
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:02
User: RED
Instrument: HPLC 2 (Offline)

246-TNT (A)
Average RF: 146676. RF StDev: 34474.5 RF %RSD: 23.5039
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 126813.x + 3333.53
Goodness of fit (r^2): 0.997885



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.05	0.1	0.25	0.5	1
Area	10598	17750	32048	63175	120895
RF	211960	177500	128192	126350	120895
Last Area					
Residual	-0.00728503	-0.0136831	0.023568	0.0281117	0.0729526
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	10598	17750	32048	63175	120895
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				63175	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:02
User: RED
Instrument: HPLC 2 (Offline)

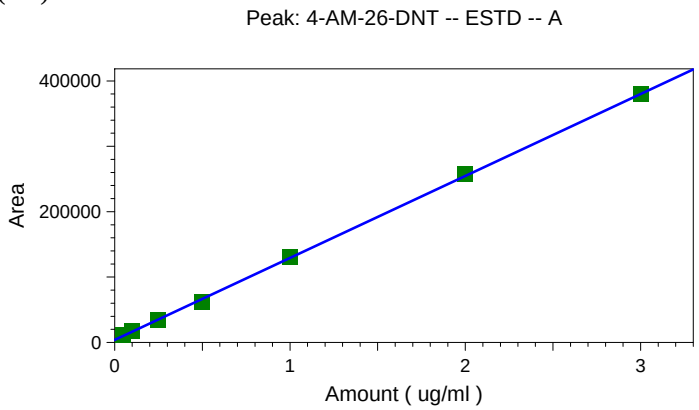
Rep 2 Data File				C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat
Rep 2 Sample ID				8330 Pt. 4 EXP 5005
Rep 2 Calib. Time				Apr 26, 2013 07:36:23

	Level 6	Level 7
Amount	2	3
Area	259536	396194
RF	129768	132064.666666667
Last Area Residual	-0.0203204	-0.0979562
Rep StDev		
Rep %RSD		
Rep 1 Area	259536	396194
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:05
User: RED
Instrument: HPLC 2 (Offline)

4-AM-26-DNT (A)
Average RF: 147467. RF StDev: 33851.3 RF %RSD: 22.9552
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 125367.x + 3936.68
Goodness of fit (r^2): 0.999756



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.05	0.1	0.25	0.5	1
Area	10845	16699	34310	62419	130720
RF	216900	166990	137240	124838	130720
Last Area					
Residual	-0.0051049	-0.00179989	0.00772428	0.0335101	-0.0112993
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	10845	16699	34310	62419	130720
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				62419	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:05
User: RED
Instrument: HPLC 2 (Offline)

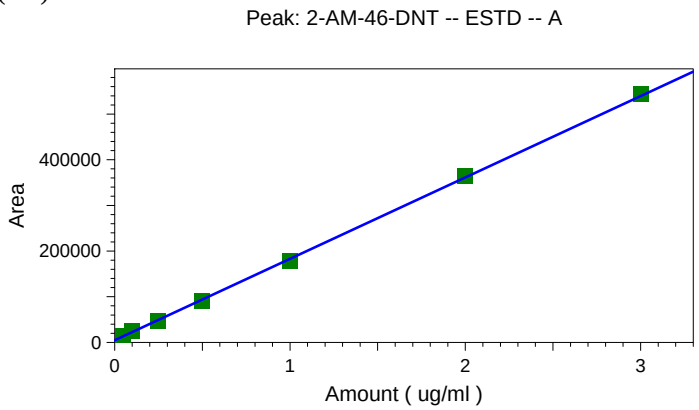
Rep 2 Data File				C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat
Rep 2 Sample ID				8330 Pt. 4 EXP 5005
Rep 2 Calib. Time				Apr 26, 2013 07:36:23

	Level 6	Level 7
Amount	2	3
Area	257485	380507
RF	128742.5	126835.666666667
Last Area Residual	-0.0224525	-0.00374929
Rep StDev		
Rep %RSD		
Rep 1 Area	257485	380507
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:09
User: RED
Instrument: HPLC 2 (Offline)

2-AM-46-DNT (A)
Average RF: 205624. RF StDev: 42170.8 RF %RSD: 20.5087
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 178176.x + 4880.14
Goodness of fit (r^2): 0.999640



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.05	0.1	0.25	0.5	1
Area	14330	24195	46793	90557	178311
RF	286600	241950	187172	181114	178311
Last Area					
Residual	-0.00303656	-0.00840308	0.0147675	0.0191456	0.0266333
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	14330	24195	46793	90557	178311
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				90557	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:09
User: RED
Instrument: HPLC 2 (Offline)

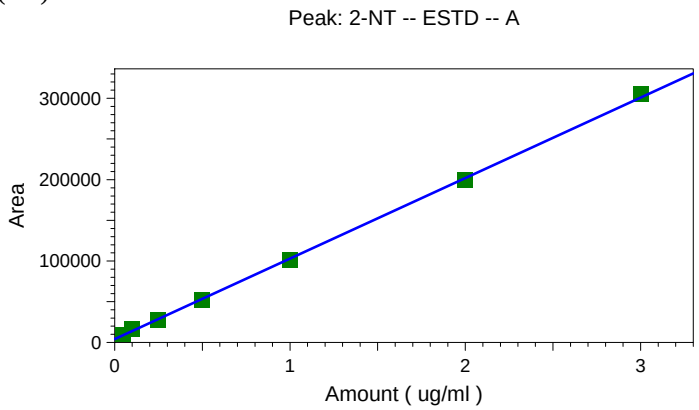
Rep 2 Data File			C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	
Rep 2 Sample ID			8330 Pt. 4 EXP 5005	
Rep 2 Calib. Time			Apr 26, 2013 07:36:23	

	Level 6	Level 7
Amount	2	3
Area	365324	544680
RF	182662	181560
Last Area		
Residual	-0.0229621	-0.0295831
Rep StDev		
Rep %RSD		
Rep 1 Area	365324	544680
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:12
User: RED
Instrument: HPLC 2 (Offline)

2-NT (A)
Average RF: 121760. RF StDev: 31019.2 RF %RSD: 25.4758
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 98875.7x + 4141.18
Goodness of fit (r^2): 0.999485



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.05	0.1	0.25	0.5	1
Area	8558	16209	28081	51650	101503
RF	171160	162090	112324	103300	101503
Last Area					
Residual	0.0053296	-0.0220504	0.00787975	0.0195098	0.0153113
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	8558	16209	28081	51650	101503
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				51650	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:12
User: RED
Instrument: HPLC 2 (Offline)

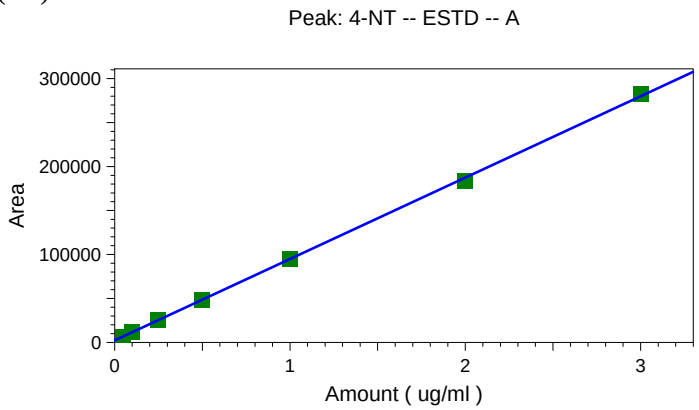
Rep 2 Data File				C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat
Rep 2 Sample ID				8330 Pt. 4 EXP 5005
Rep 2 Calib. Time				Apr 26, 2013 07:36:23

	Level 6	Level 7
Amount	2	3
Area	200107	305659
RF	100053.5	101886.333333333
Last Area Residual	0.0180596	-0.0494621
Rep StDev		
Rep %RSD		
Rep 1 Area	200107	305659
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:17
User: RED
Instrument: HPLC 2 (Offline)

4-NT (A)
Average RF: 105138. RF StDev: 16019.6 RF %RSD: 15.2368
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 92514.5x + 2345.35
Goodness of fit (r^2): 0.999665



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.05	0.1	0.25	0.5	1
Area	6666	12195	25505	48645	95159
RF	133320	121950	102020	97290	95159
Last Area					
Residual	0.00329755	-0.00646605	-0.000335391	-0.000458347	-0.00323359
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	6666	12195	25505	48645	95159
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				48645	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:17
User: RED
Instrument: HPLC 2 (Offline)

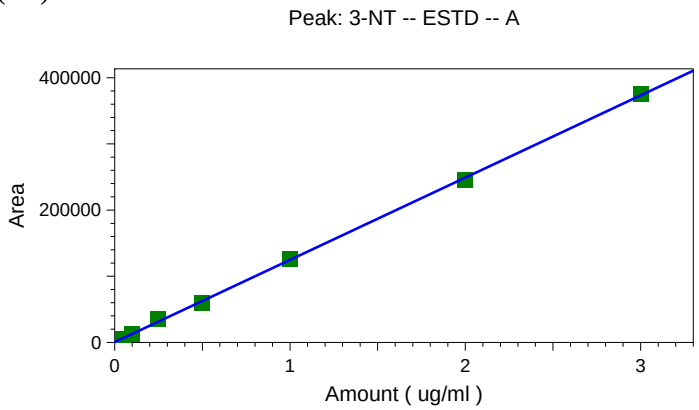
Rep 2 Data File			C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	
Rep 2 Sample ID			8330 Pt. 4 EXP 5005	
Rep 2 Calib. Time			Apr 26, 2013 07:36:23	

	Level 6	Level 7
Amount	2	3
Area	183870	282870
RF	91935	94290
Last Area		
Residual	0.0378789	-0.0322237
Rep StDev		
Rep %RSD		
Rep 1 Area	183870	282870
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:21
User: RED
Instrument: HPLC 2 (Offline)

3-NT (A)
Average RF: 126434. RF StDev: 8519.16 RF %RSD: 6.73805
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 124306.x + 302.897
Goodness of fit (r^2): 0.999550



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.05	0.1	0.25	0.5	1
Area	5893	13176	35689	59736	125519
RF	117860	131760	142756	119472	125519
Last Area					
Residual	0.00502961	-0.00355954	-0.0346686	0.0218818	-0.00731913
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	5893	13176	35689	59736	125519
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				59736	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:21
User: RED
Instrument: HPLC 2 (Offline)

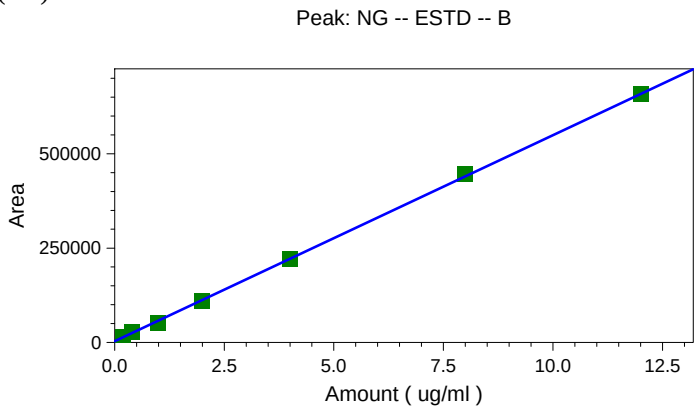
Rep 2 Data File				C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat
Rep 2 Sample ID				8330 Pt. 4 EXP 5005
Rep 2 Calib. Time				Apr 26, 2013 07:36:23

	Level 6	Level 7
Amount	2	3
Area	244721	375923
RF	122360.5	125307.666666667
Last Area Residual	0.0337431	-0.0217305
Rep StDev		
Rep %RSD		
Rep 1 Area	244721	375923
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:35
User: RED
Instrument: HPLC 2 (Offline)

NG (B)
Average RF: 59607.5 RF StDev: 9137.33 RF %RSD: 15.3292
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 54585.0x + 3376.50
Goodness of fit (r^2): 0.999676



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.2	0.4	1	2	4
Area	14819	28496	50499	110658	221142
RF	74095	71240	50499	55329	55285.5
Last Area					
Residual	-0.00962719	-0.0601905	0.136713	0.0345975	0.010525
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	14819	28496	50499	110658	221142
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				110658	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:35
User: RED
Instrument: HPLC 2 (Offline)

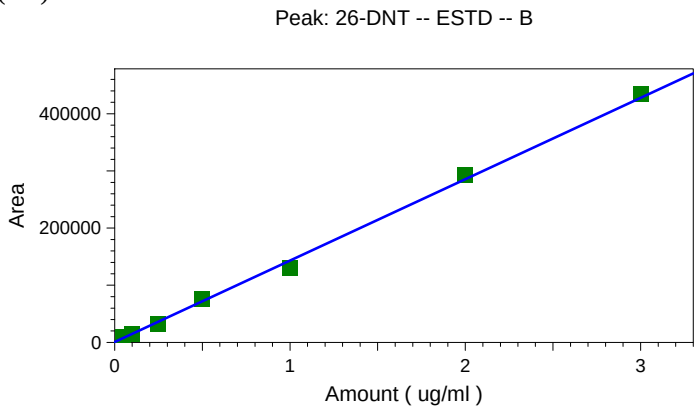
Rep 2 Data File			C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	
Rep 2 Sample ID			8330 Pt. 4 EXP 5005	
Rep 2 Calib. Time			Apr 26, 2013 07:36:23	

	Level 6	Level 7
Amount	8	12
Area	446881	659326
RF	55860.125	54943.8333333333
Last Area Residual	-0.125025	-0.0170282
Rep StDev		
Rep %RSD		
Rep 1 Area	446881	659326
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:40
User: RED
Instrument: HPLC 2 (Offline)

26-DNT (B)
Average RF: 147952. RF StDev: 18501.0 RF %RSD: 12.5047
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 142333.x + 795.628
Goodness of fit (r^2): 0.998223



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.05	0.1	0.25	0.5	1
Area	9306	14588	32865	75251	130567
RF	186120	145880	131460	150502	130567
Last Area					
Residual	-0.00979196	0.00309789	0.0246878	-0.0231067	0.0882555
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	9306	14588	32865	75251	130567
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				75251	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:40
User: RED
Instrument: HPLC 2 (Offline)

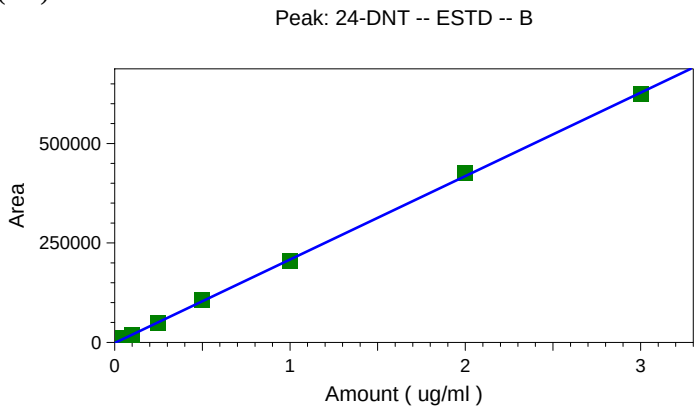
Rep 2 Data File			C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	
Rep 2 Sample ID			8330 Pt. 4 EXP 5005	
Rep 2 Calib. Time			Apr 26, 2013 07:36:23	

	Level 6	Level 7
Amount	2	3
Area	292190	435129
RF	146095	145043
Last Area		
Residual	-0.0472714	-0.0515287
Rep StDev		
Rep %RSD		
Rep 1 Area	292190	435129
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:43
User: RED
Instrument: HPLC 2 (Offline)

24-DNT (B)
Average RF: 203024. RF StDev: 10418.4 RF %RSD: 5.13159
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 209750.x - 1309.08
Goodness of fit (r^2): 0.999658



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.05	0.1	0.25	0.5	1
Area	10315	18366	48682	105344	203954
RF	206300	183660	194728	210688	203954
Last Area					
Residual	-0.00541861	0.00619766	0.011664	-0.00847621	0.0213935
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	10315	18366	48682	105344	203954
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				105344	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:43
User: RED
Instrument: HPLC 2 (Offline)

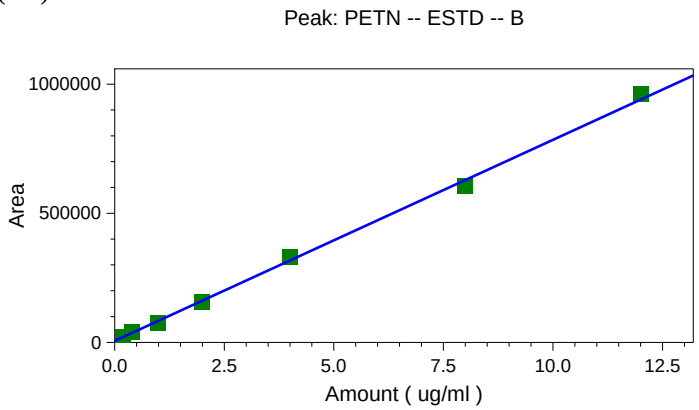
Rep 2 Data File			C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	
Rep 2 Sample ID			8330 Pt. 4 EXP 5005	
Rep 2 Calib. Time			Apr 26, 2013 07:36:23	

	Level 6	Level 7
Amount	2	3
Area	426827	625281
RF	213413.5	208427
Last Area		
Residual	-0.0411696	0.0126867
Rep StDev		
Rep %RSD		
Rep 1 Area	426827	625281
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:49
User: RED
Instrument: HPLC 2 (Offline)

PETN (B)
Average RF: 86482.2 RF StDev: 14649.6 RF %RSD: 16.9395
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 77827.6x + 5975.63
Goodness of fit (r^2): 0.998137



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.2	0.4	1	2	4
Area	22762	39855	75357	155664	331254
RF	113810	99637.5	75357	77832	82813.5
Last Area					
Residual	-0.0156867	-0.0353133	0.108524	0.0766661	-0.179476
Rep StDev				0	
Rep %RSD				0	
Rep 1 Area	22762	39855	75357	155664	331254
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
Rep 1 Sample ID	8330 Pt. 1 EXP 5002	8330 Pt. 2 EXP 5003	8330 Pt. 3 EXP 5004	8330 Pt. 4 EXP 5005	8330 Pt. 5 EXP 5006
Rep 1 Calib. Time	Apr 26, 2013 07:57:08	Apr 26, 2013 07:34:56	Apr 26, 2013 07:54:11	Apr 26, 2013 07:35:25	Apr 26, 2013 07:48:01
Rep 2 Area				155664	
Rep 2 User				RED	

Calibration Report

Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Print Time: May 09, 2013 09:40:49
User: RED
Instrument: HPLC 2 (Offline)

Rep 2 Data File				C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat
Rep 2 Sample ID				8330 Pt. 4 EXP 5005
Rep 2 Calib. Time				Apr 26, 2013 07:36:23

	Level 6	Level 7
Amount	8	12
Area	605300	963155
RF	75662.5	80262.9166666667
Last Area Residual	0.299329	-0.298721
Rep StDev		
Rep %RSD		
Rep 1 Area	605300	963155
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat	C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
Rep 1 Sample ID	8330 Pt. 6 EXP 5007	8330 Pt. 7 EXP 5008
Rep 1 Calib. Time	Apr 26, 2013 07:39:05	Apr 26, 2013 07:41:20
Rep 2 Area		
Rep 2 User		
Rep 2 Data File		
Rep 2 Sample ID		
Rep 2 Calib. Time		

QC Check Standard Report

Sequence : C:\Instarch\HPLC 2\Sequences\8330A_B\042513expic-primary.seq
User : RED
Printed : May 08, 2013 14:58:10

File	Sample ID	Acquired
C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat	8330 Pt. 1 EXP 5002	May 08, 2013 14:58:09

A

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
HMX	0.050	0.048	3.317	20.000	Passed
RDX	0.050	0.056	11.528	20.000	Passed
12-DNB (SSTD)	10.000	9.296	7.043	20.000	Passed
135-TNB	0.050	0.057	14.064	20.000	Passed
13-DNB	0.050	0.056	12.001	20.000	Passed
TETRYL	0.050	0.042	16.421	20.000	Passed
35-DNA	0.050	0.052	4.998	20.000	Passed
NB	0.050	0.056	12.475	20.000	Passed
246-TNT	0.050	0.057	14.570	20.000	Passed
4-AM-26-DNT	0.050	0.055	10.210	20.000	Passed
2-AM-46-DNT	0.050	0.053	6.073	20.000	Passed
2-NT	0.050	0.045	10.659	20.000	Passed
4-NT	0.050	0.047	6.595	20.000	Passed
3-NT	0.050	0.045	10.059	20.000	Passed

B

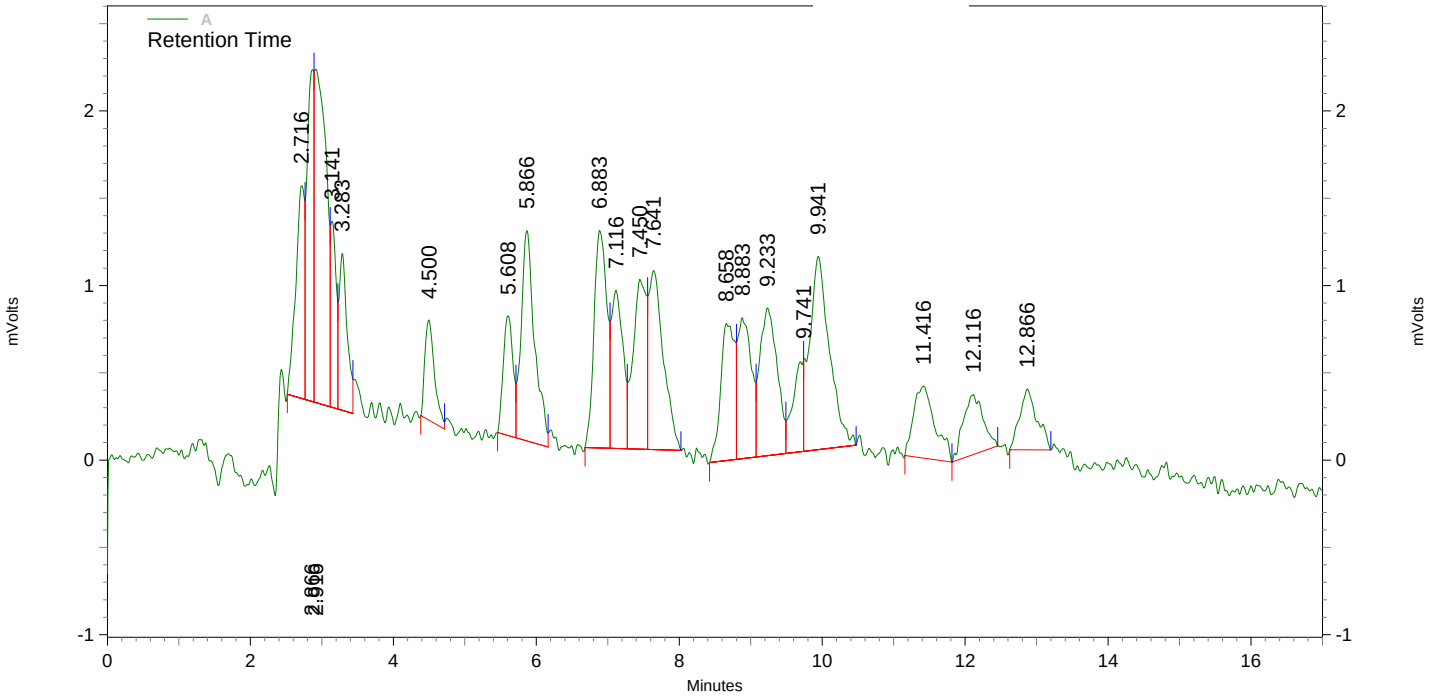
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NG	0.200	0.210	4.814	20.000	Passed
26-DNT	0.050	0.060	19.584	20.000	Passed
24-DNT	0.050	0.055	10.837	20.000	Passed
PETN	0.200	0.216	7.843	20.000	Passed

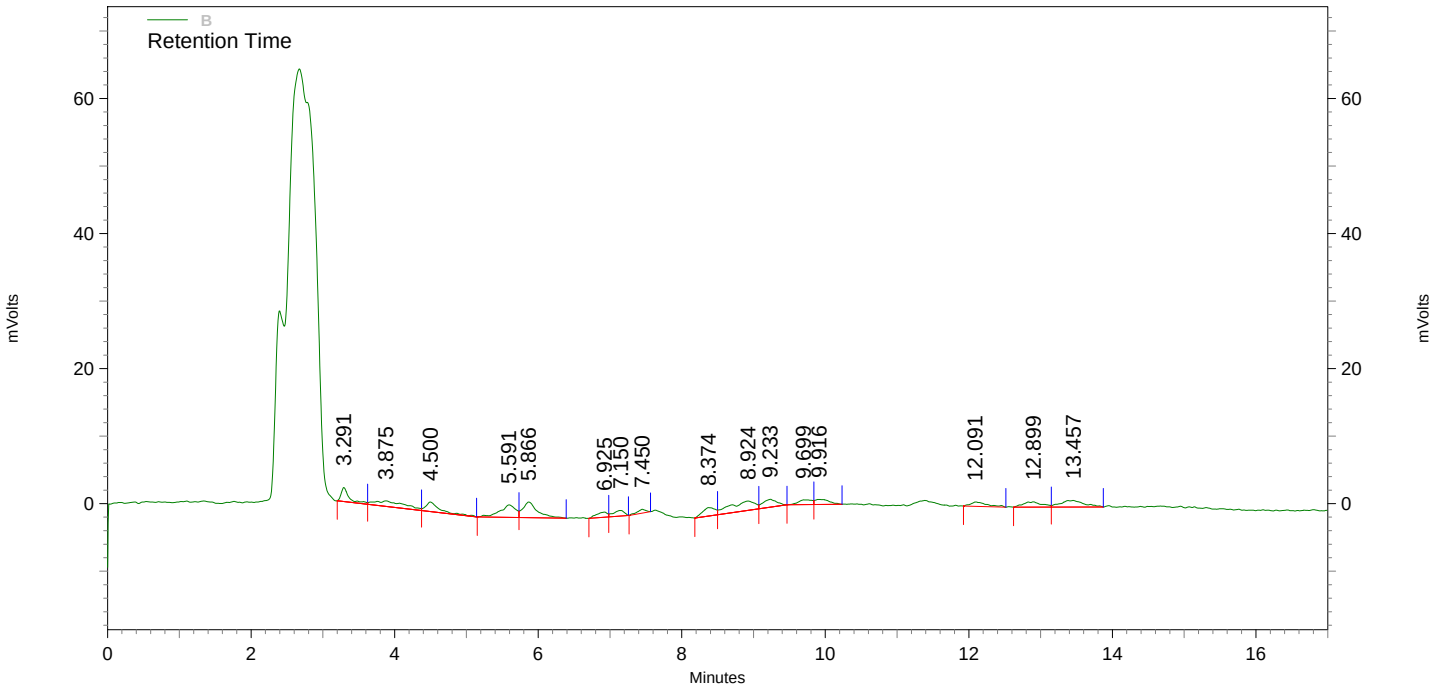
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Sample ID: 8330 Pt. 1 EXP 5002
Acquired: Apr 25, 2013 16:48:21
Data Summary: Reason #3,#4 applies to data. RED 4/26/2013

JJY
04/26/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.283	7060	**0.048**
RDX	4.500	5350	**0.056**
12-DNB (SSTD)	5.608	6504	**9.296**
135-TNB	5.866	15785	**0.057**
13-DNB	6.883	15456	**0.056**
TETRYL	7.116	10256	**0.042**
35-DNA	7.450	12552	**0.052**
NB	7.641	14648	**0.056**
246-TNT	8.658	10598	**0.057**
4-AM-26-DNT	8.883	10845	**0.055**
2-AM-46-DNT	9.233	14330	**0.053**
2-NT	11.416	8558	**0.045**
4-NT	12.116	6666	**0.047**
3-NT	12.866	5893	**0.045**

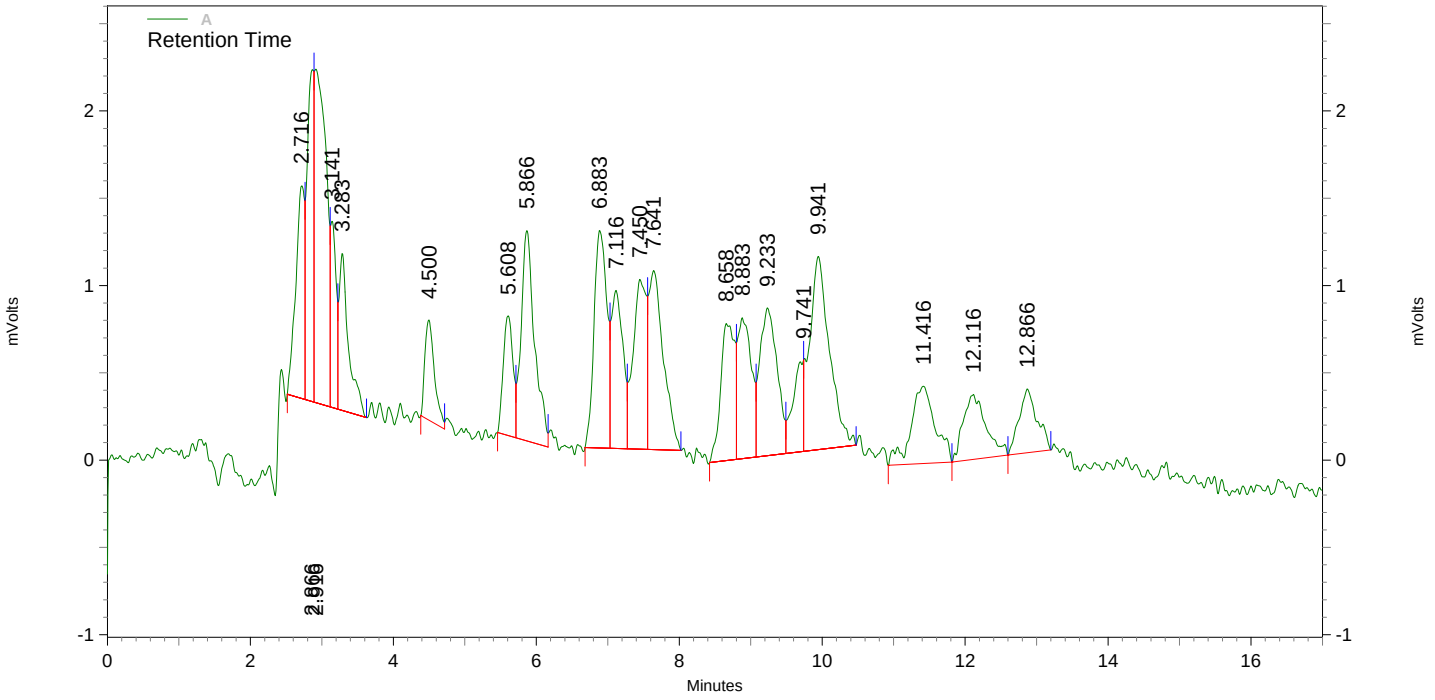
B Results

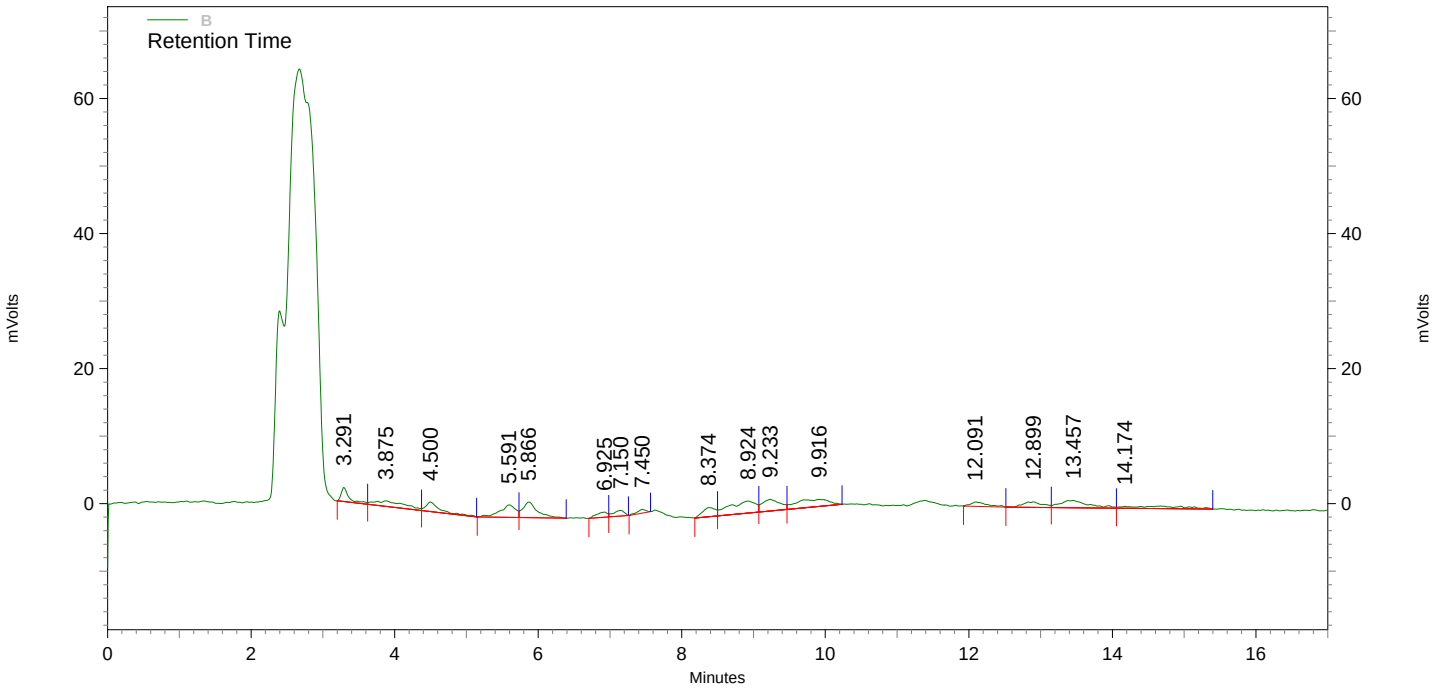
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.374	14819	**0.210**
26-DNT	9.699	9306	**0.060**
24-DNT	9.916	10315	**0.055**
PETN	13.457	22762	**0.216**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\042513expic-primary\002.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Sample ID: 8330 Pt. 1 EXP 5002
Acquired: Apr 25, 2013 16:48:21
Data Summary: Reason #3,#4 applies to data. RED 4/26/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.283	8352	**0.070**
RDX	4.500	5350	**0.056**
12-DNB (SSTD)	5.608	6504	**9.296**
135-TNB	5.866	15785	**0.057**
13-DNB	6.883	15456	**0.056**
TETRYL	7.116	10256	**0.042**
35-DNA	7.450	12552	**0.052**
NB	7.641	14648	**0.056**
246-TNT	8.658	10598	**0.057**
4-AM-26-DNT	8.883	10845	**0.055**
2-AM-46-DNT	9.233	14330	**0.053**
2-NT	11.416	10488	**0.064**
4-NT	12.116	8227	**0.064**
3-NT	12.866	6407	**0.049**

B Results

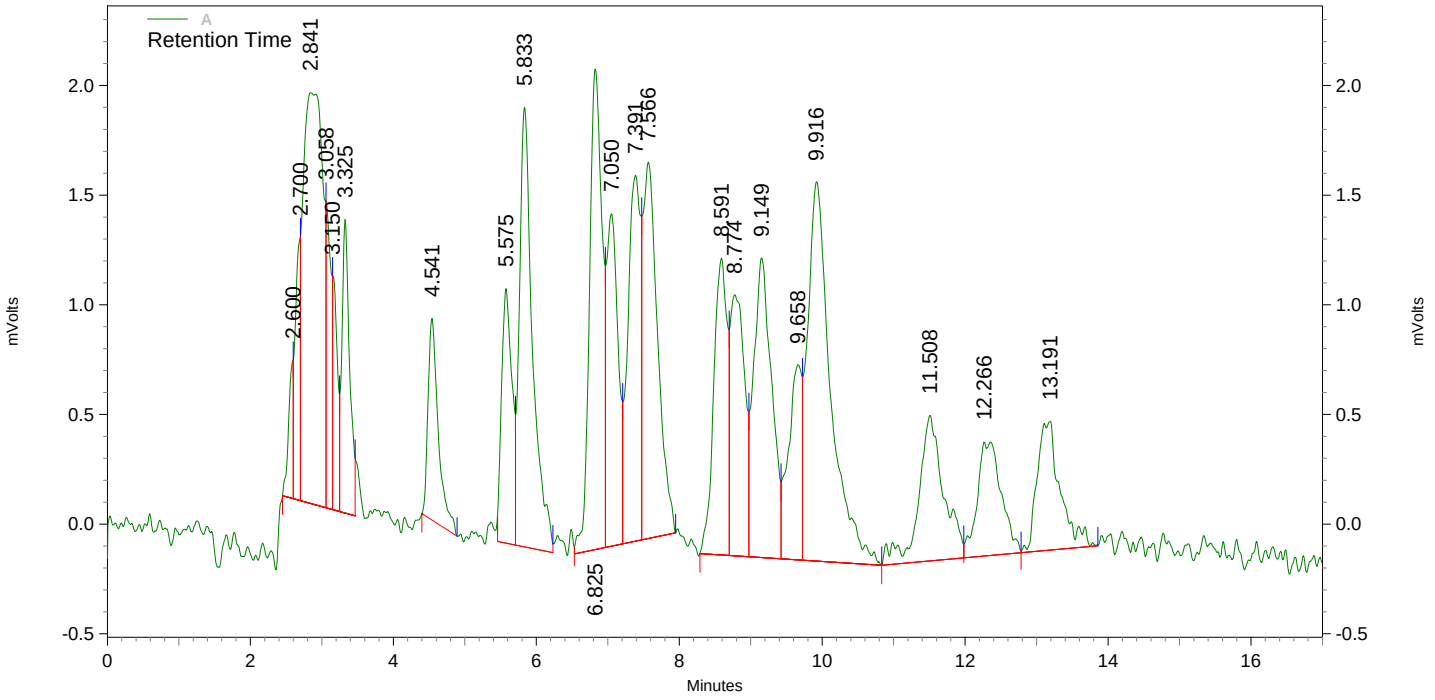
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.374	16432	**0.239**
26-DNT	9.233	29373	**0.201**
24-DNT	9.916	35448	**0.175**
PETN	13.457	30061	**0.309**

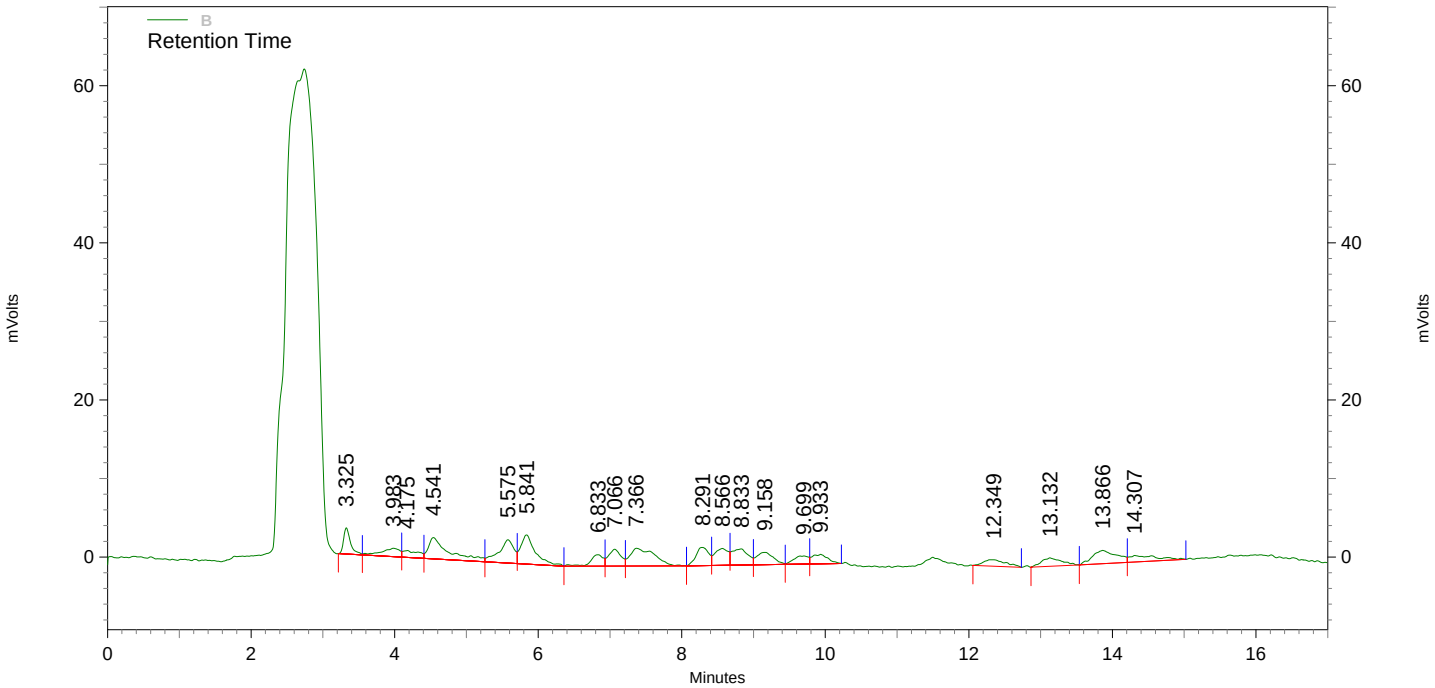
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Sample ID: 8330 Pt. 2 EXP 5003
Acquired: Apr 25, 2013 17:06:37
Data Summary: Reason #1,#2,#3 applies to data. RED 4/26/2013

JJY
04/26/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.325	10071	**0.100 CAL**
RDX	4.541	9219	**0.100 CAL**
12-DNB (SSTD)	5.575	11749	**20.000 CAL**
135-TNB	5.833	25887	**0.100 CAL**
13-DNB	6.825	26872	**0.100 CAL**
TETRYL	7.050	17132	**0.100 CAL**
35-DNA	7.391	20581	**0.100 CAL**
NB	7.566	24771	**0.100 CAL**
246-TNT	8.591	17750	**0.100 CAL**
4-AM-26-DNT	8.774	16699	**0.100 CAL**
2-AM-46-DNT	9.149	24195	**0.100 CAL**
2-NT	11.508	16209	**0.100 CAL**
4-NT	12.266	12195	**0.100 CAL**
3-NT	13.191	13176	**0.100 CAL**

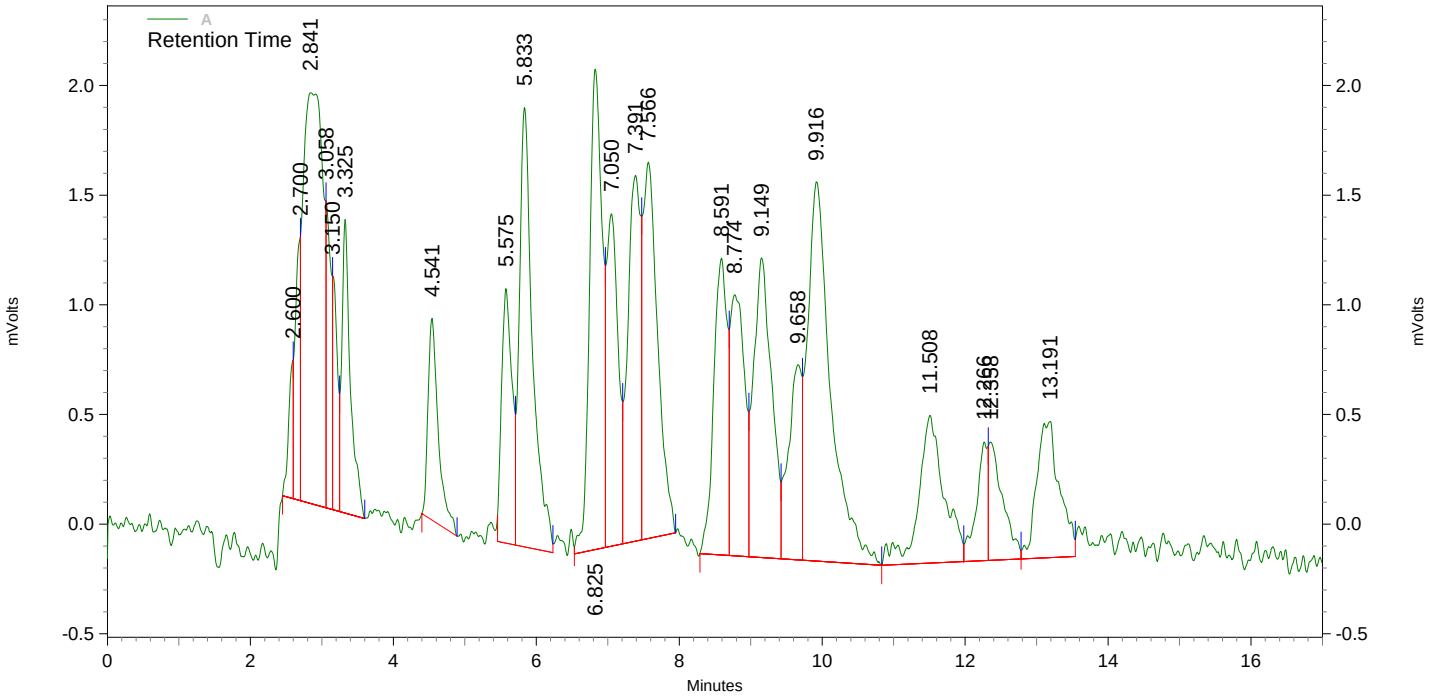
B Results

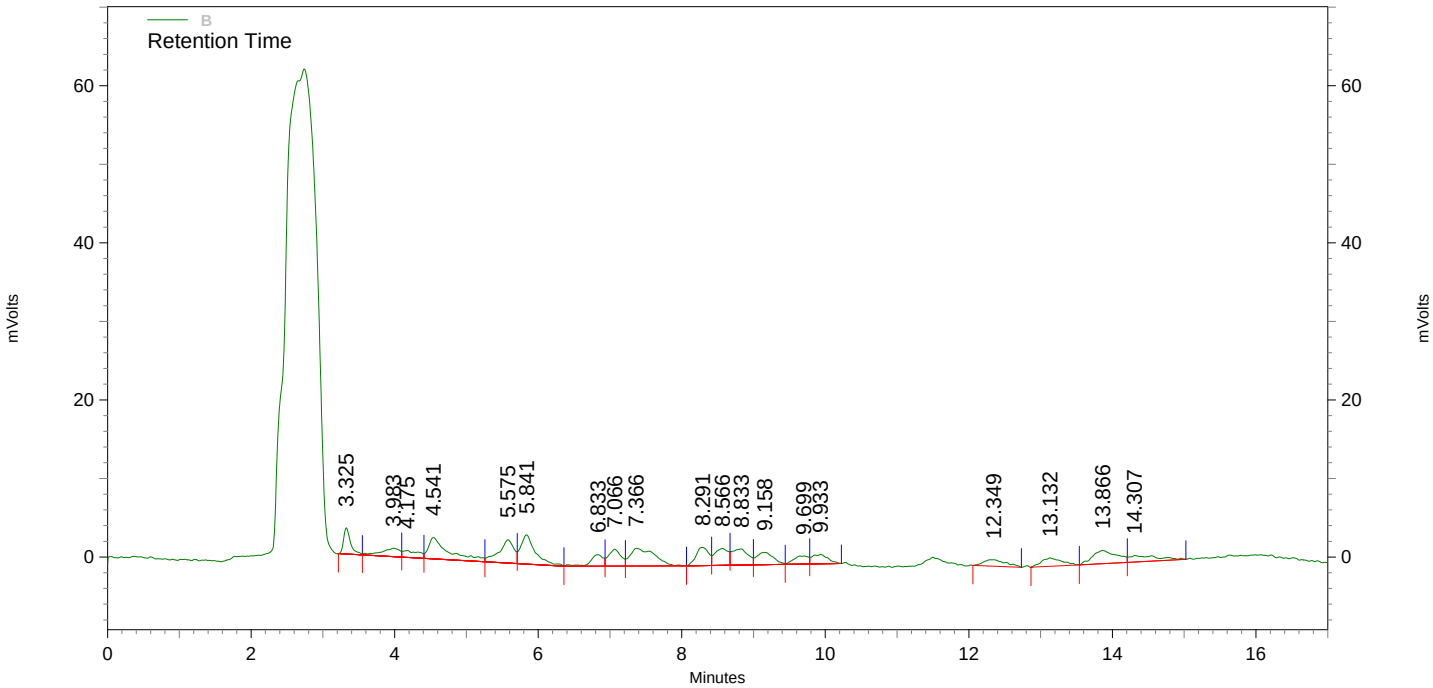
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.291	28496	**0.400 CAL**
26-DNT	9.699	14588	**0.100 CAL**
24-DNT	9.933	18366	**0.100 CAL**
PETN	13.866	39855	**0.400 CAL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\042513expic-primary\003.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Sample ID: 8330 Pt. 2 EXP 5003
Acquired: Apr 25, 2013 17:06:37
Data Summary: Reason #1,#2,#3 applies to data. RED 4/26/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.325	11161	**0.000**
RDX	4.541	9219	**1.#IO**
12-DNB (SSTD)	5.575	11749	**1.#IO**
135-TNB	5.833	25887	**1.#IO**
13-DNB	6.825	26872	**1.#IO**
TETRYL	7.050	17132	**1.#IO**
35-DNA	7.391	20581	**1.#IO**
NB	7.566	24771	**1.#IO**
246-TNT	8.591	17750	**1.#IO**
4-AM-26-DNT	8.774	16699	**1.#IO**
2-AM-46-DNT	9.149	24195	**1.#IO**
2-NT	11.508	16791	**1.#IO**
4-NT	12.266	5878	**1.#IO**
3-NT	13.191	13895	**1.#IO**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.291	28496	**0.000**
26-DNT	9.699	14588	**1.#IO**
24-DNT	9.933	18366	**1.#IO**
PETN	13.132	20748	**1.#IO**

After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Sample ID: 8330 Pt. 3 EXP 5004
Acquired: Apr 25, 2013 17:24:55
Data Summary: Reason #1,#4 applies to data. RED 4/26/2013

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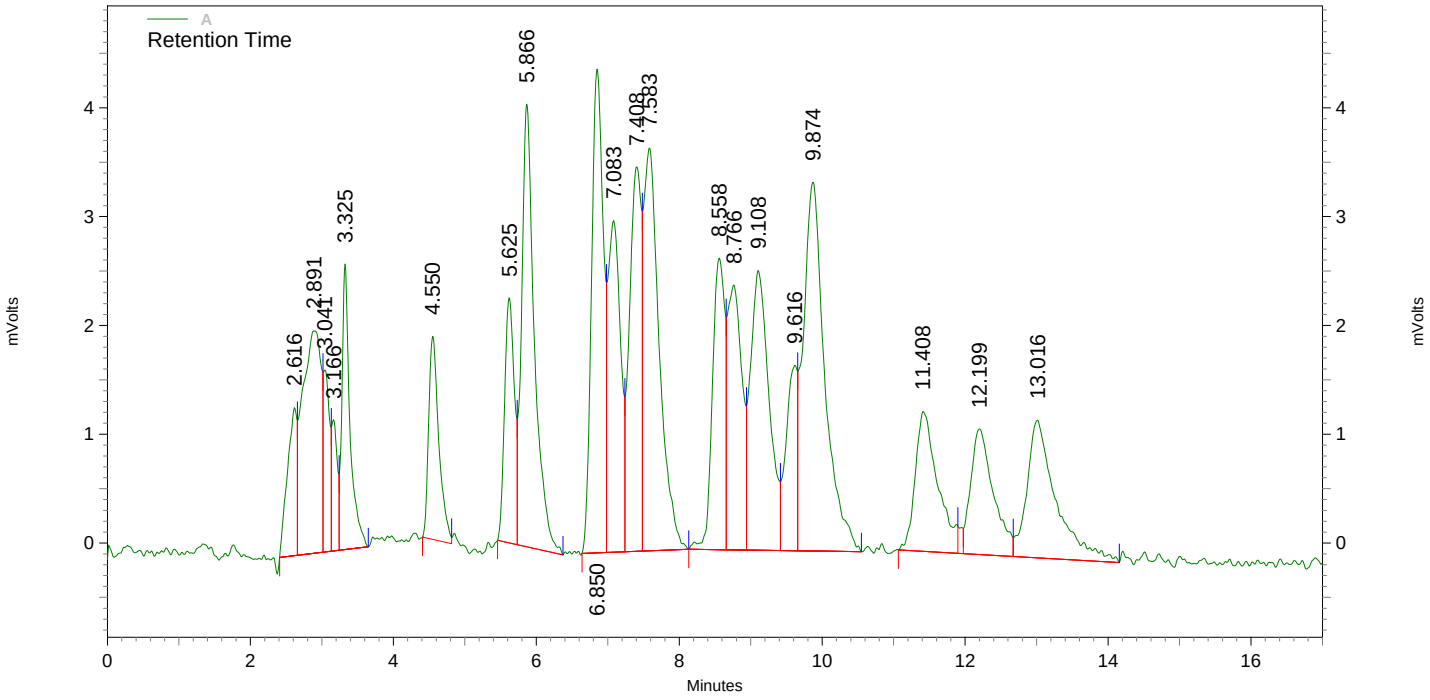
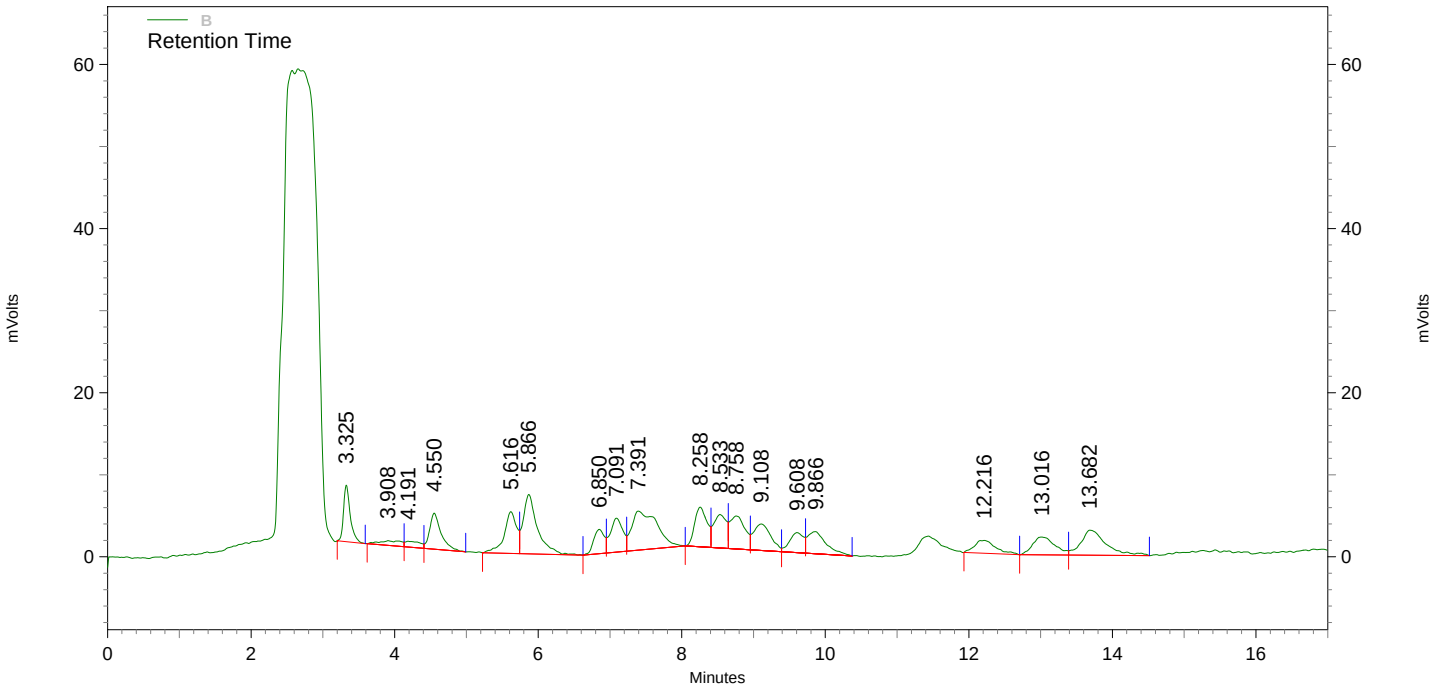




A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.325	20629	**0.250 CAL**
RDX	4.550	18452	**0.250 CAL**
12-DNB (SSTD)	5.625	21273	**50.000 CAL**
135-TNB	5.866	51059	**0.250 CAL**
13-DNB	6.850	50956	**0.250 CAL**
TETRYL	7.083	37697	**0.250 CAL**
35-DNA	7.408	40424	**0.250 CAL**
NB	7.583	57100	**0.250 CAL**
246-TNT	8.558	32048	**0.250 CAL**
4-AM-26-DNT	8.766	34310	**0.250 CAL**
2-AM-46-DNT	9.108	46793	**0.250 CAL**
2-NT	11.408	28081	**0.250 CAL**
4-NT	12.199	25505	**0.250 CAL**
3-NT	13.016	35689	**0.250 CAL**

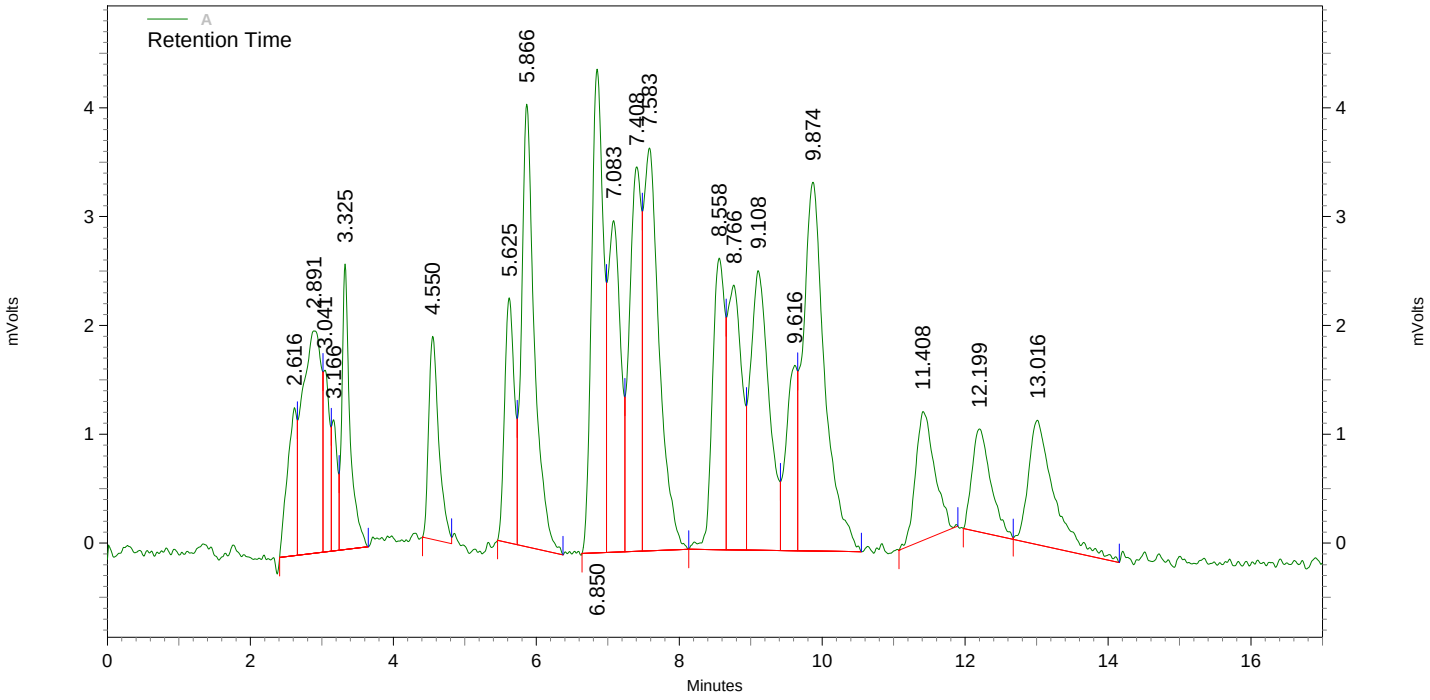
B Results

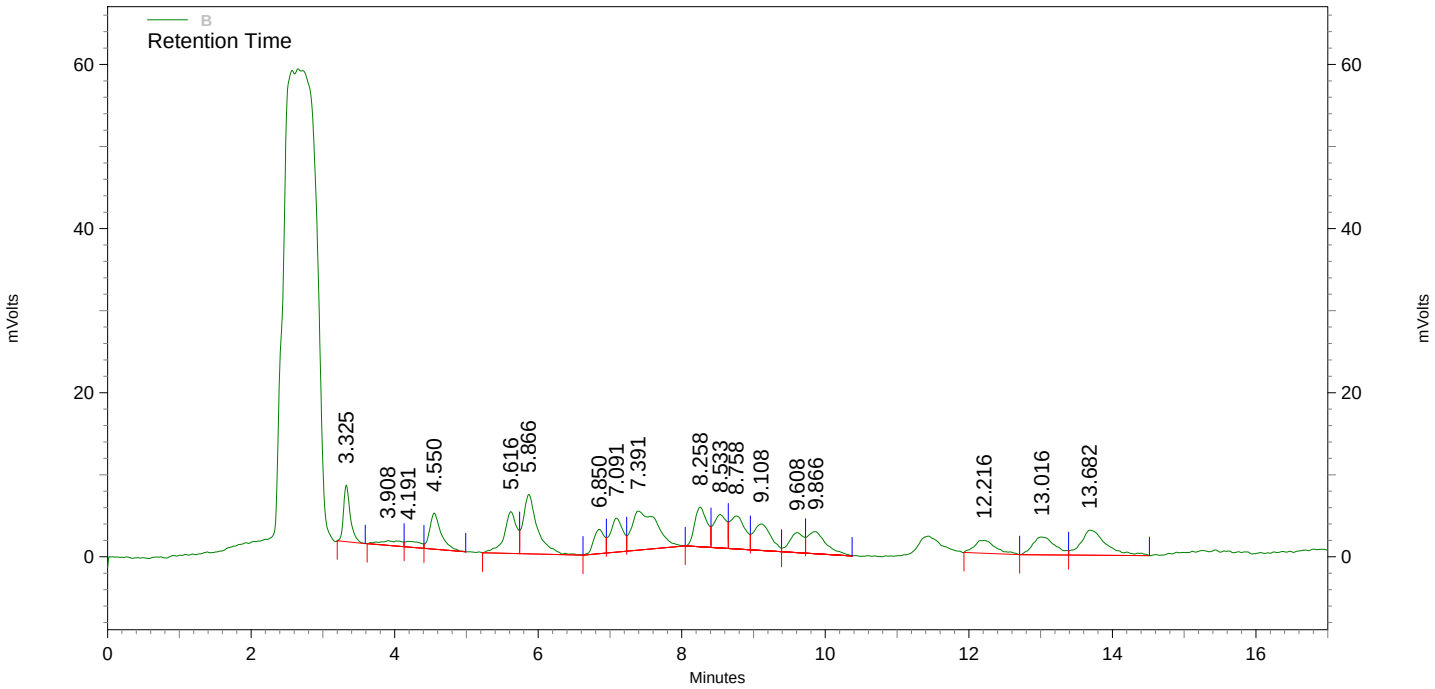
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.533	50499	**1.000 CAL**
26-DNT	9.608	32865	**0.250 CAL**
24-DNT	9.866	48682	**0.250 CAL**
PETN	13.682	75357	**1.000 CAL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\042513expic-primary\004.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Sample ID: 8330 Pt. 3 EXP 5004
Acquired: Apr 25, 2013 17:24:55
Data Summary: Reason #1,#4 applies to data. RED 4/26/2013





A Results

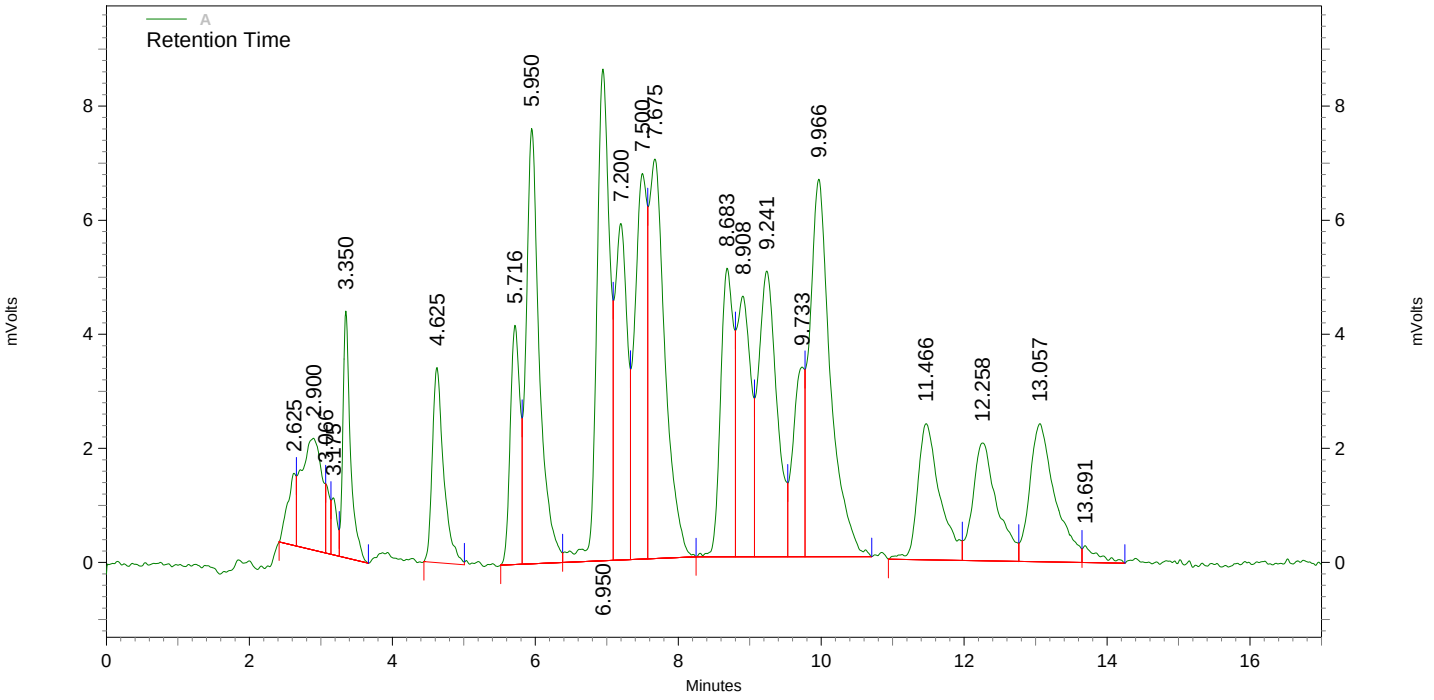
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.325	20629	**0.278**
RDX	4.550	18452	**0.228**
12-DNB (SSTD)	5.625	21273	**47.799**
135-TNB	5.866	51059	**0.235**
13-DNB	6.850	50956	**0.224**
TETRYL	7.083	37697	**0.258**
35-DNA	7.583	57100	**0.341**
NB			**0.000 BDL**
246-TNT	8.766	34310	**0.244**
4-AM-26-DNT	9.108	46793	**0.342**
2-AM-46-DNT	9.616	18486	**0.076**
2-NT	11.408	21929	**0.191**
4-NT	12.199	17320	**0.176**
3-NT	13.016	28673	**0.234**

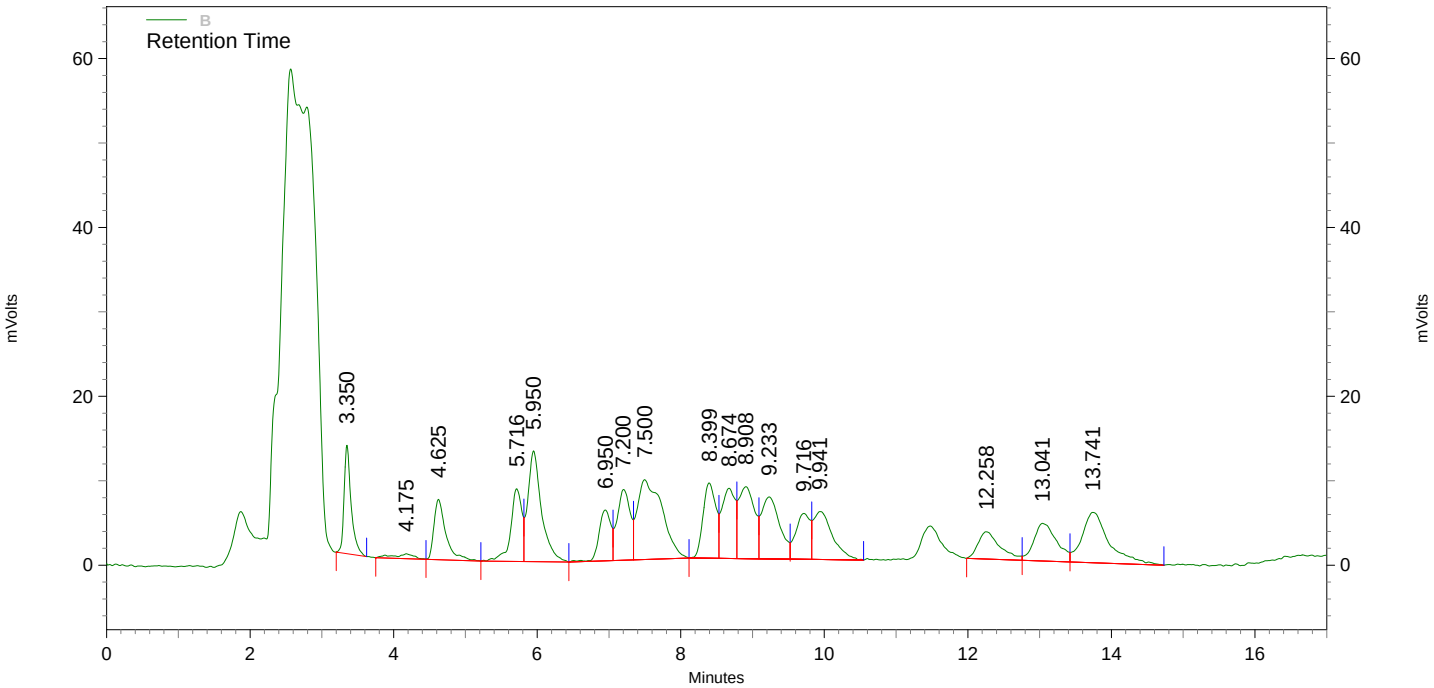
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.533	50499	**0.850**
26-DNT	9.608	32865	**0.205**
24-DNT	9.866	48682	**0.231**
PETN	13.682	75357	**0.855**

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\042513expic-primary\005.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Sample ID: 8330 Pt. 4 EXP 5005
Acquired: Apr 25, 2013 17:43:13
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.350	31640	**0.500 CAL**
RDX	4.625	37788	**0.500 CAL**
12-DNB (SSTD)	5.716	39250	**100.000 CAL**
135-TNB	5.950	98481	**0.500 CAL**
13-DNB	6.950	108694	**0.500 CAL**
TETRYL	7.200	70902	**0.500 CAL**
35-DNA	7.500	79488	**0.500 CAL**
NB	7.675	110575	**0.500 CAL**
246-TNT	8.683	63175	**0.500 CAL**
4-AM-26-DNT	8.908	62419	**0.500 CAL**
2-AM-46-DNT	9.241	90557	**0.500 CAL**
2-NT	11.466	51650	**0.500 CAL**
4-NT	12.258	48645	**0.500 CAL**
3-NT	13.057	59736	**0.500 CAL**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.399	110658	**2.000 CAL**
26-DNT	9.716	75251	**0.500 CAL**
24-DNT	9.941	105344	**0.500 CAL**
PETN	13.741	155664	**2.000 CAL**

After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Sample ID: 8330 Pt. 5 EXP 5006
Acquired: Apr 25, 2013 18:01:29
Data Summary: Reason #1 applies to data. RED 4/26/2013

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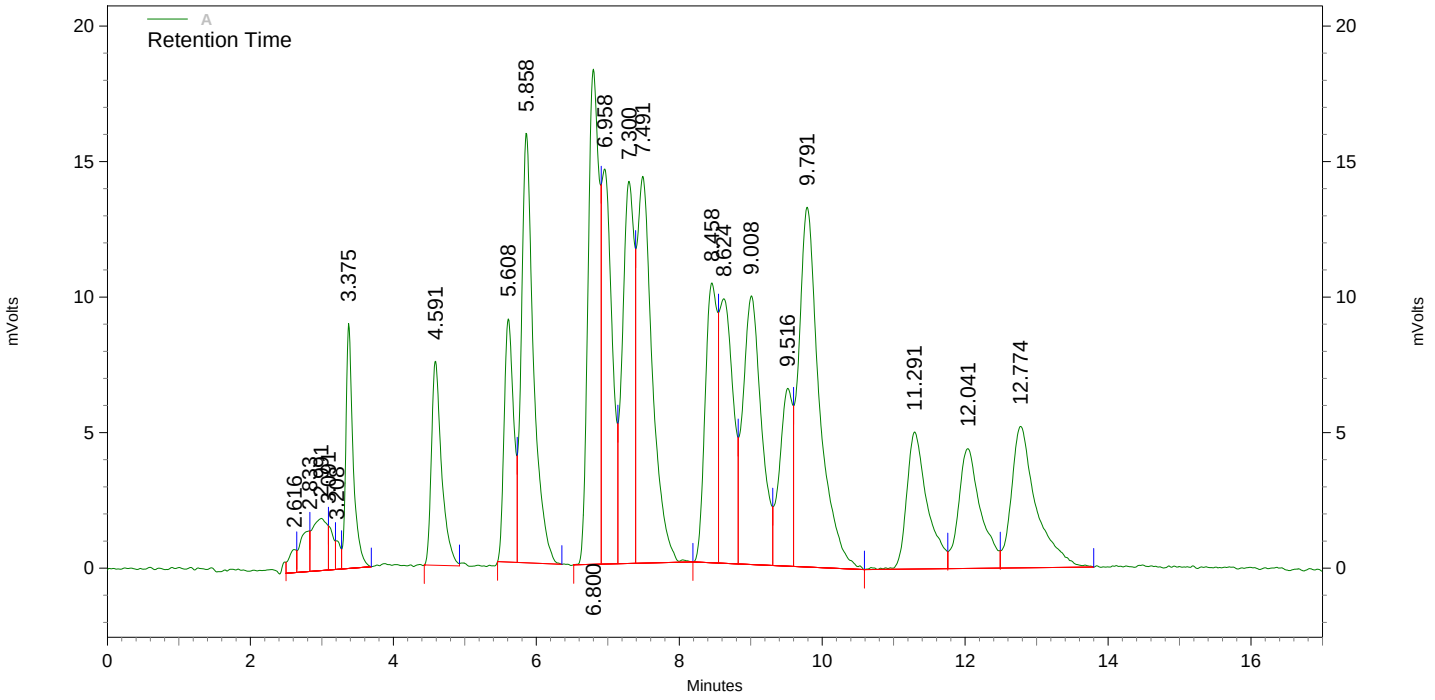
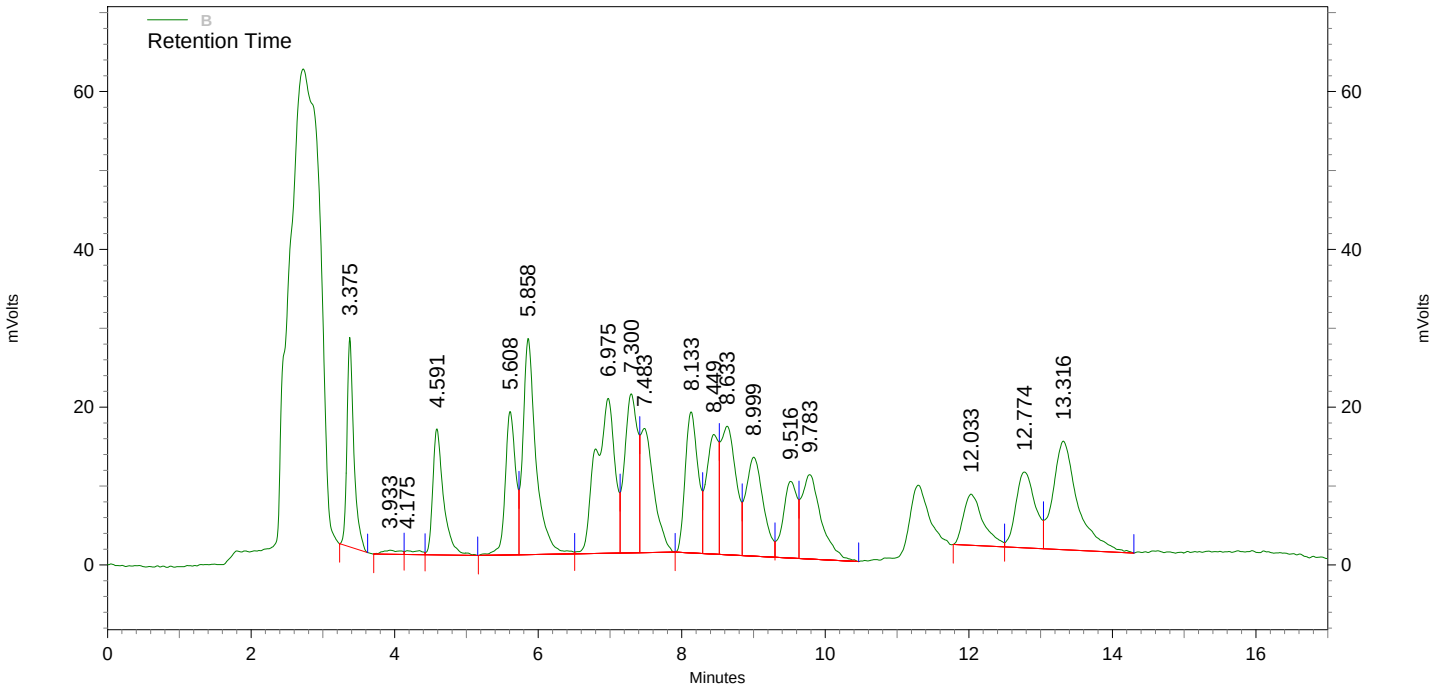




A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.375	63613	**1.000 CAL**
RDX	4.591	74456	**1.000 CAL**
12-DNB (SSTD)	5.608	82859	**200.000 CAL**
135-TNB	5.858	188173	**1.000 CAL**
13-DNB	6.800	197420	**1.000 CAL**
TETRYL	6.958	149411	**1.000 CAL**
35-DNA	7.300	162686	**1.000 CAL**
NB	7.491	212997	**1.000 CAL**
246-TNT	8.458	120895	**1.000 CAL**
4-AM-26-DNT	8.624	130720	**1.000 CAL**
2-AM-46-DNT	9.008	178311	**1.000 CAL**
2-NT	11.291	101503	**1.000 CAL**
4-NT	12.041	95159	**1.000 CAL**
3-NT	12.774	125519	**1.000 CAL**

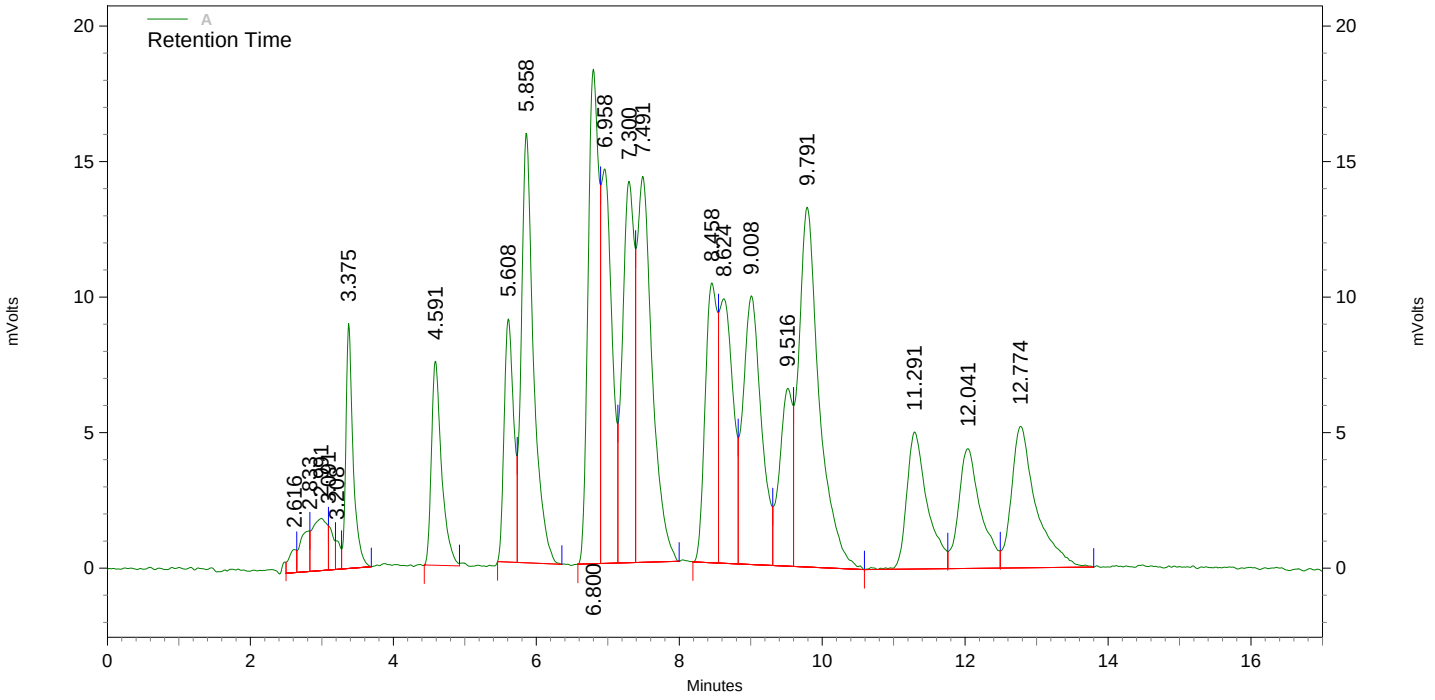
B Results

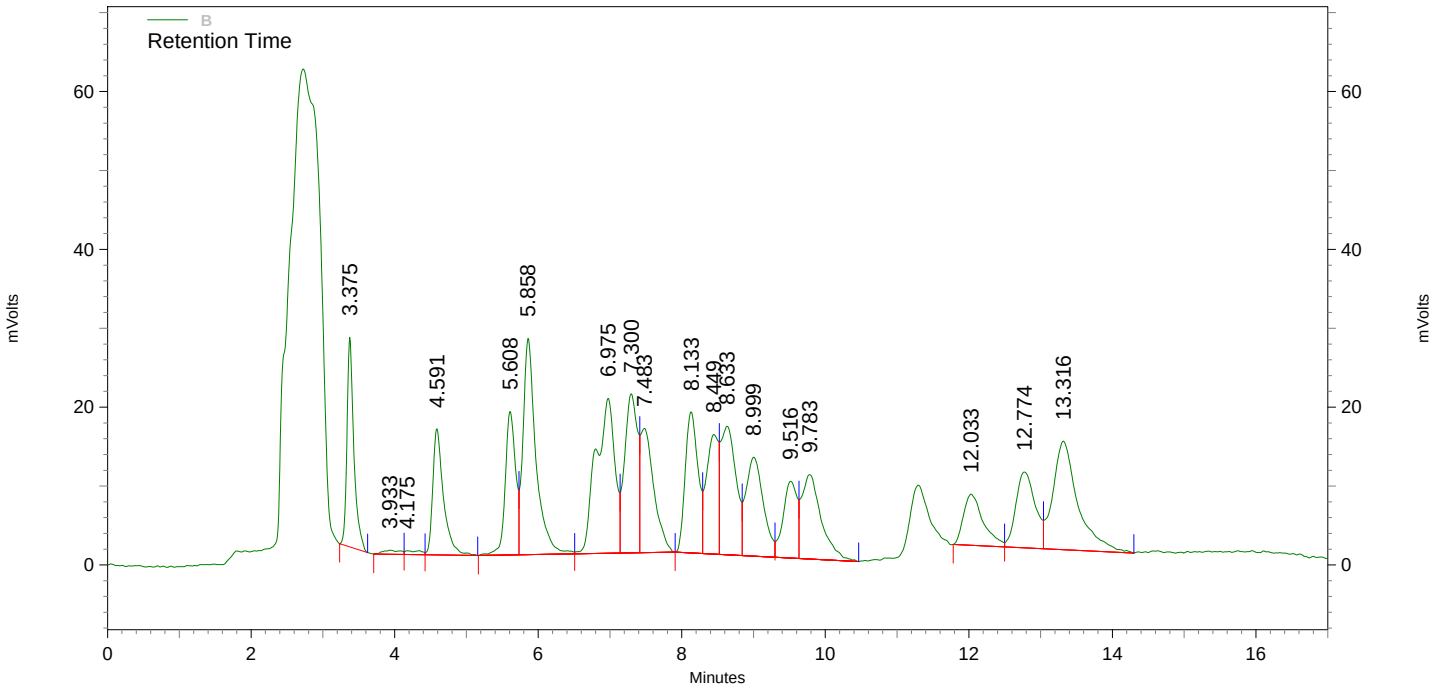
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.133	221142	**4.000 CAL**
26-DNT	9.516	130567	**1.000 CAL**
24-DNT	9.783	203954	**1.000 CAL**
PETN	13.316	331254	**4.000 CAL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\042513expic-primary\006.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Sample ID: 8330 Pt. 5 EXP 5006
Acquired: Apr 25, 2013 18:01:29
Data Summary: Reason #1 applies to data. RED 4/26/2013





A Results

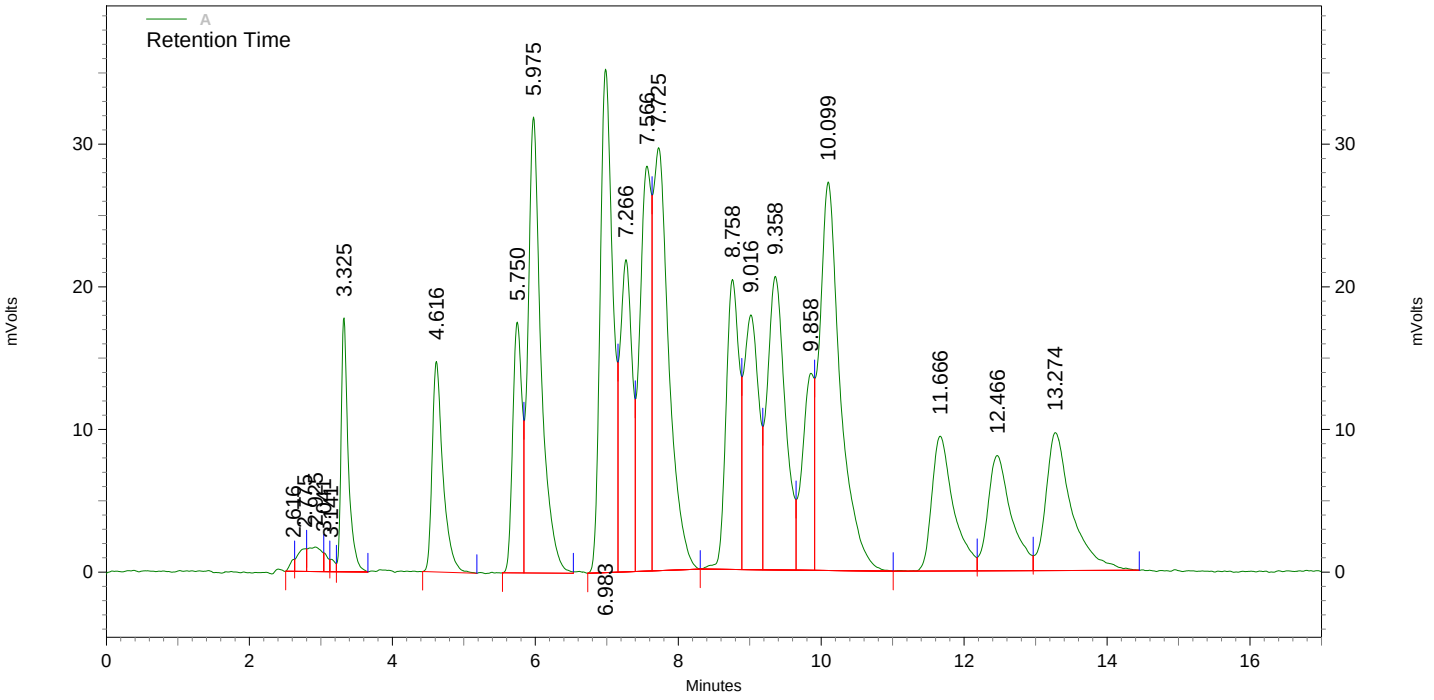
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.375	63613	**1.041**
RDX	4.591	74456	**1.032**
12-DNB (SSTD)	5.608	82859	**220.084**
135-TNB	5.858	188173	**0.998**
13-DNB	6.958	156063	**0.755**
TETRYL	7.300	162283	**1.174**
35-DNA	7.491	211282	**1.408**
NB			**0.000 BDL**
246-TNT	8.624	130720	**1.101**
4-AM-26-DNT	9.008	178311	**1.504**
2-AM-46-DNT			**0.000 BDL**
2-NT	11.291	101503	**1.159**
4-NT	12.041	95159	**1.184**
3-NT	12.774	125519	**1.071**

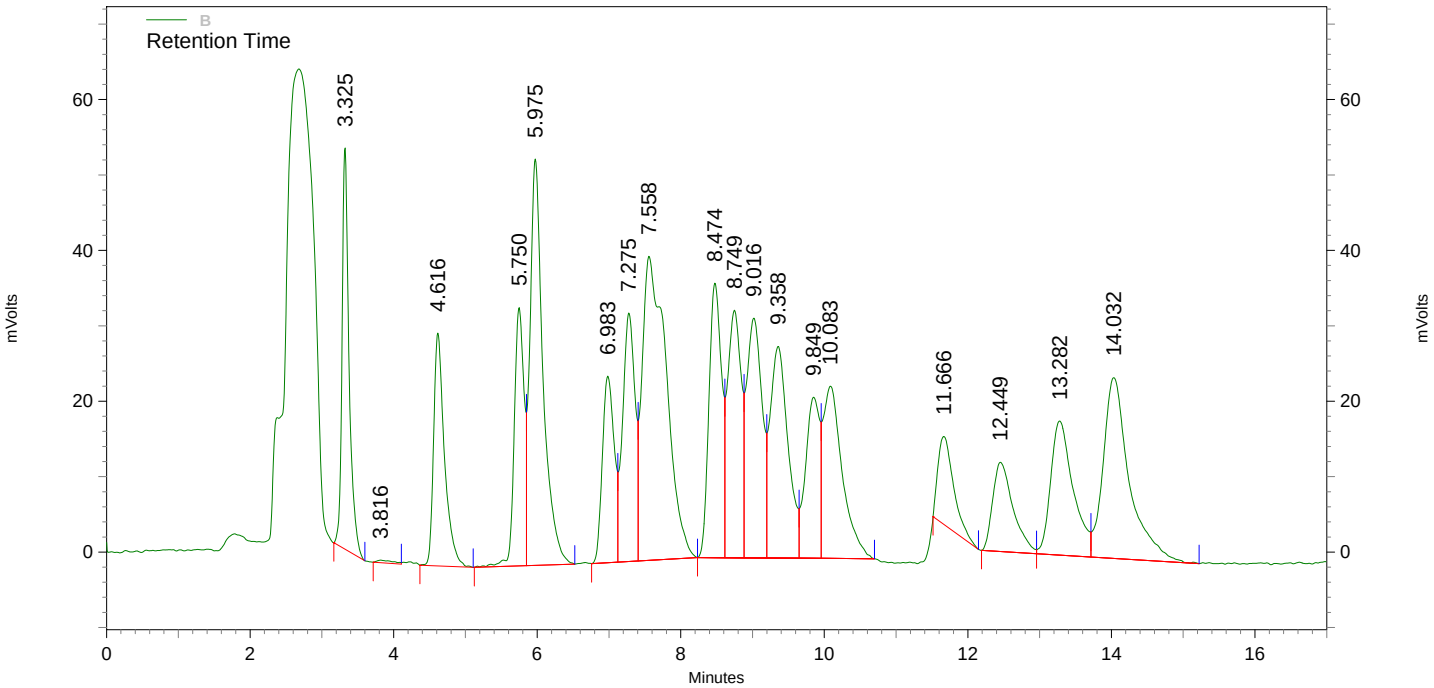
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.449	176799	**3.265**
26-DNT	9.516	130567	**1.018**
24-DNT	9.783	203954	**1.022**
PETN	13.316	331254	**4.697**

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\042513expic-primary\007.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Sample ID: 8330 Pt. 6 EXP 5007
Acquired: Apr 25, 2013 18:19:45
Data Summary: {Data Description}





A Results

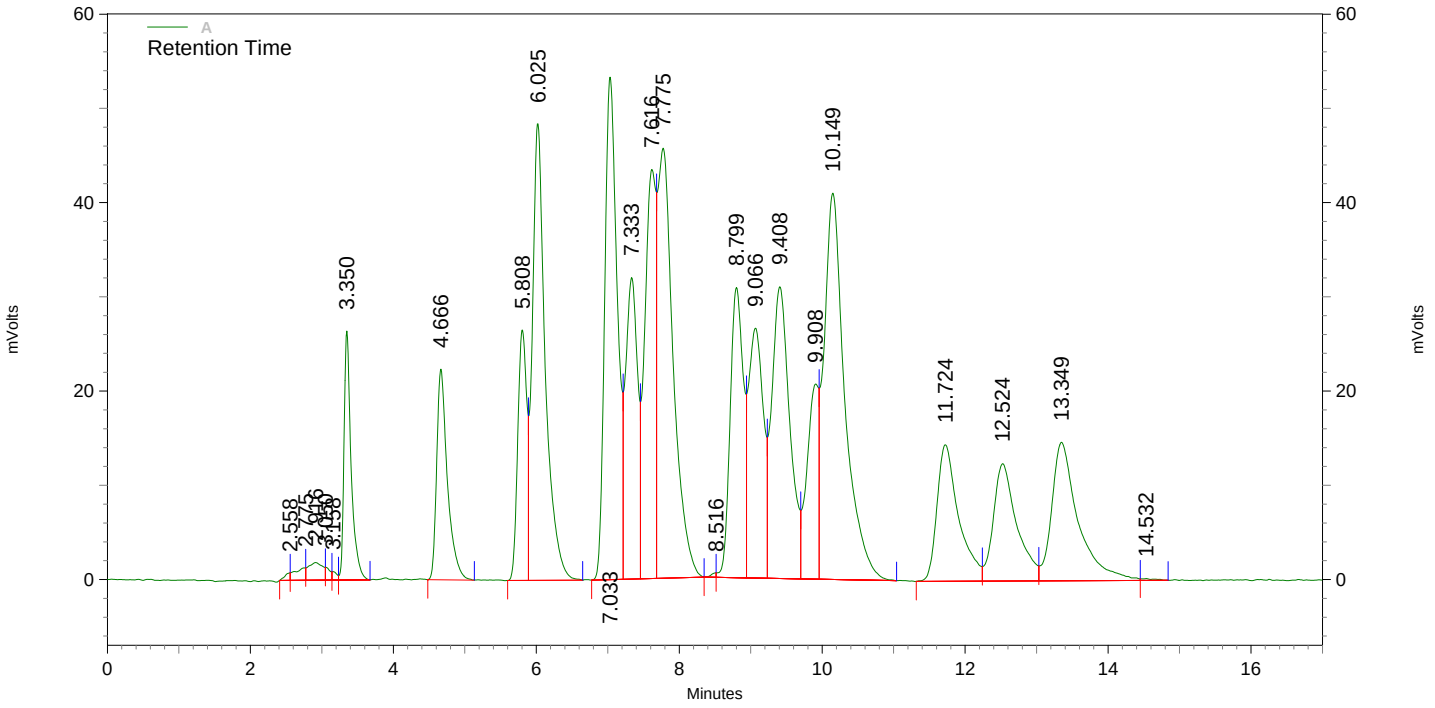
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.325	122599	**2.000 CAL**
RDX	4.616	154886	**2.000 CAL**
12-DNB (SSTD)	5.750	156906	**400.000 CAL**
135-TNB	5.975	408467	**2.000 CAL**
13-DNB	6.983	431800	**2.000 CAL**
TETRYL	7.266	255759	**2.000 CAL**
35-DNA	7.566	314546	**2.000 CAL**
NB	7.725	458950	**2.000 CAL**
246-TNT	8.758	259536	**2.000 CAL**
4-AM-26-DNT	9.016	257485	**2.000 CAL**
2-AM-46-DNT	9.358	365324	**2.000 CAL**
2-NT	11.666	200107	**2.000 CAL**
4-NT	12.466	183870	**2.000 CAL**
3-NT	13.274	244721	**2.000 CAL**

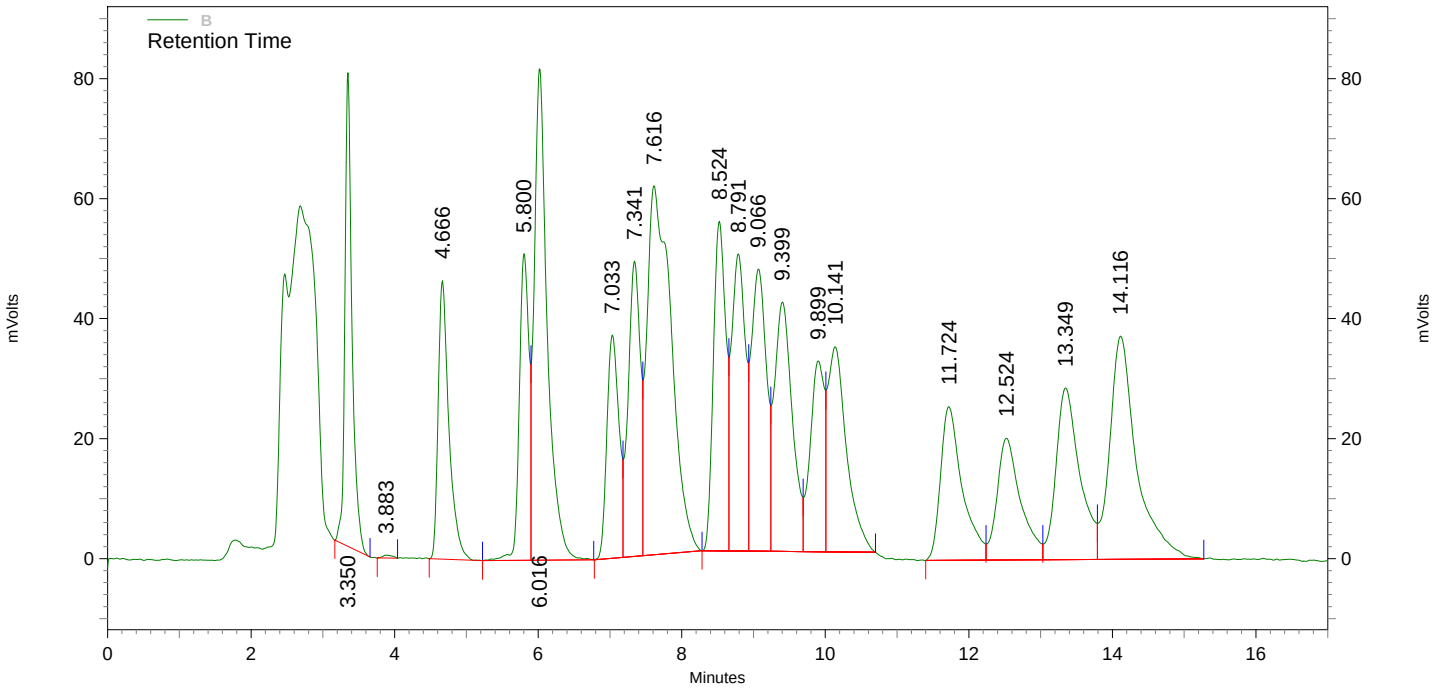
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.474	446881	**8.000 CAL**
26-DNT	9.849	292190	**2.000 CAL**
24-DNT	10.083	426827	**2.000 CAL**
PETN	14.032	605300	**8.000 CAL**

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\042513expic-primary\008.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Sample ID: 8330 Pt. 7 EXP 5008
Acquired: Apr 25, 2013 18:38:02
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.350	182484	**3.000 CAL**
RDX	4.666	232843	**3.000 CAL**
12-DNB (SSTD)	5.808	231757	**600.000 CAL**
135-TNB	6.025	615555	**3.000 CAL**
13-DNB	7.033	654478	**3.000 CAL**
TETRYL	7.333	371926	**3.000 CAL**
35-DNA	7.616	465769	**3.000 CAL**
NB	7.775	699242	**3.000 CAL**
246-TNT	8.799	396194	**3.000 CAL**
4-AM-26-DNT	9.066	380507	**3.000 CAL**
2-AM-46-DNT	9.408	544680	**3.000 CAL**
2-NT	11.724	305659	**3.000 CAL**
4-NT	12.524	282870	**3.000 CAL**
3-NT	13.349	375923	**3.000 CAL**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.524	659326	**12.000 CAL**
26-DNT	9.899	435129	**3.000 CAL**
24-DNT	10.141	625281	**3.000 CAL**
PETN	14.116	963155	**12.000 CAL**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 2\Sequences\8330A_B\042513expic-primary.seq
User : RED
Printed : May 09, 2013 09:43:02

File	Sample ID	Acquired
C:\Instarch\HPLC 2\Data\042513expic-primary\009.dat	8330 ICV EXP 5009	May 09, 2013 09:43:02

A

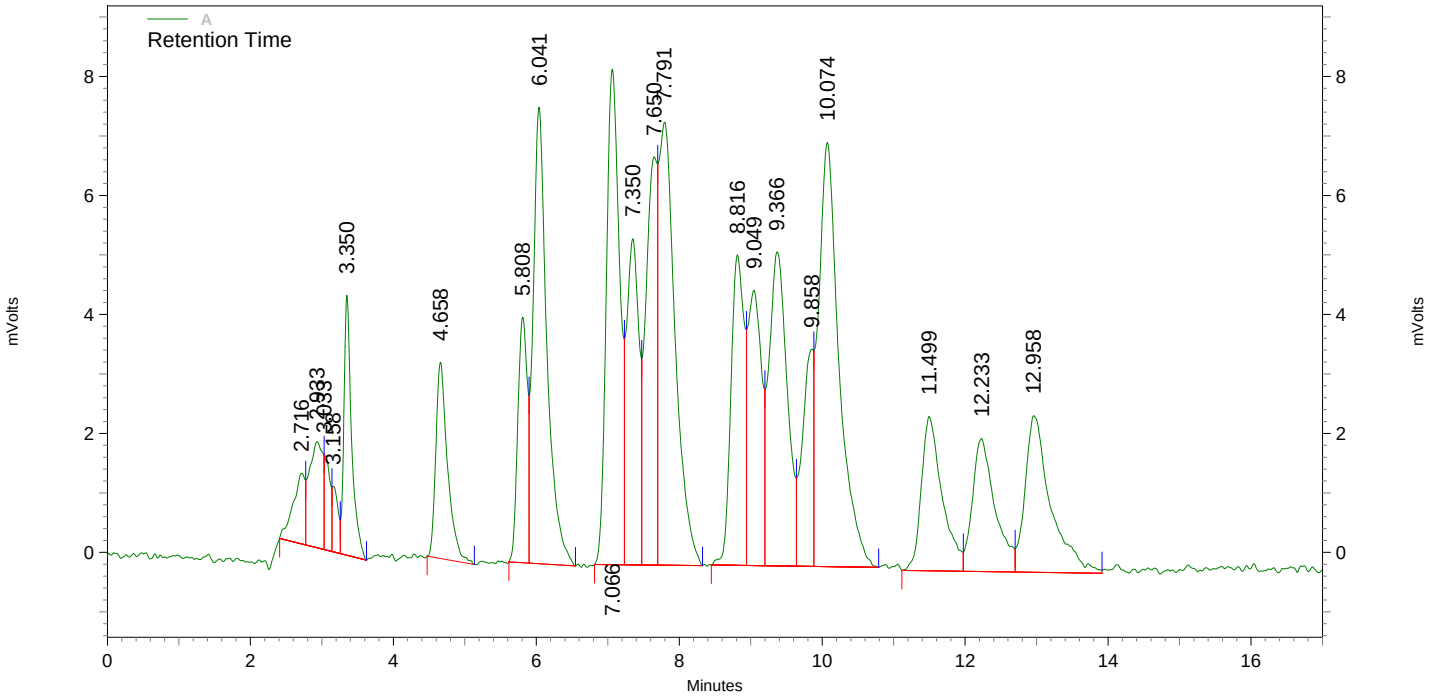
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
HMX	0.500	0.480	4.026	20.000	Passed
RDX	0.500	0.482	3.649	20.000	Passed
12-DNB (SSTD)	100.000	92.023	7.977	20.000	Passed
135-TNB	0.500	0.501	0.173	20.000	Passed
13-DNB	0.500	0.491	1.880	20.000	Passed
TETRYL	0.500	0.479	4.242	20.000	Passed
35-DNA	0.500	0.462	7.597	20.000	Passed
NB	0.500	0.520	4.058	20.000	Passed
246-TNT	0.500	0.507	1.393	20.000	Passed
4-AM-26-DNT	0.500	0.462	7.504	20.000	Passed
2-AM-46-DNT	0.500	0.502	0.403	20.000	Passed
2-NT	0.500	0.490	2.090	20.000	Passed
4-NT	0.500	0.505	0.989	20.000	Passed
3-NT	0.500	0.524	4.878	20.000	Passed

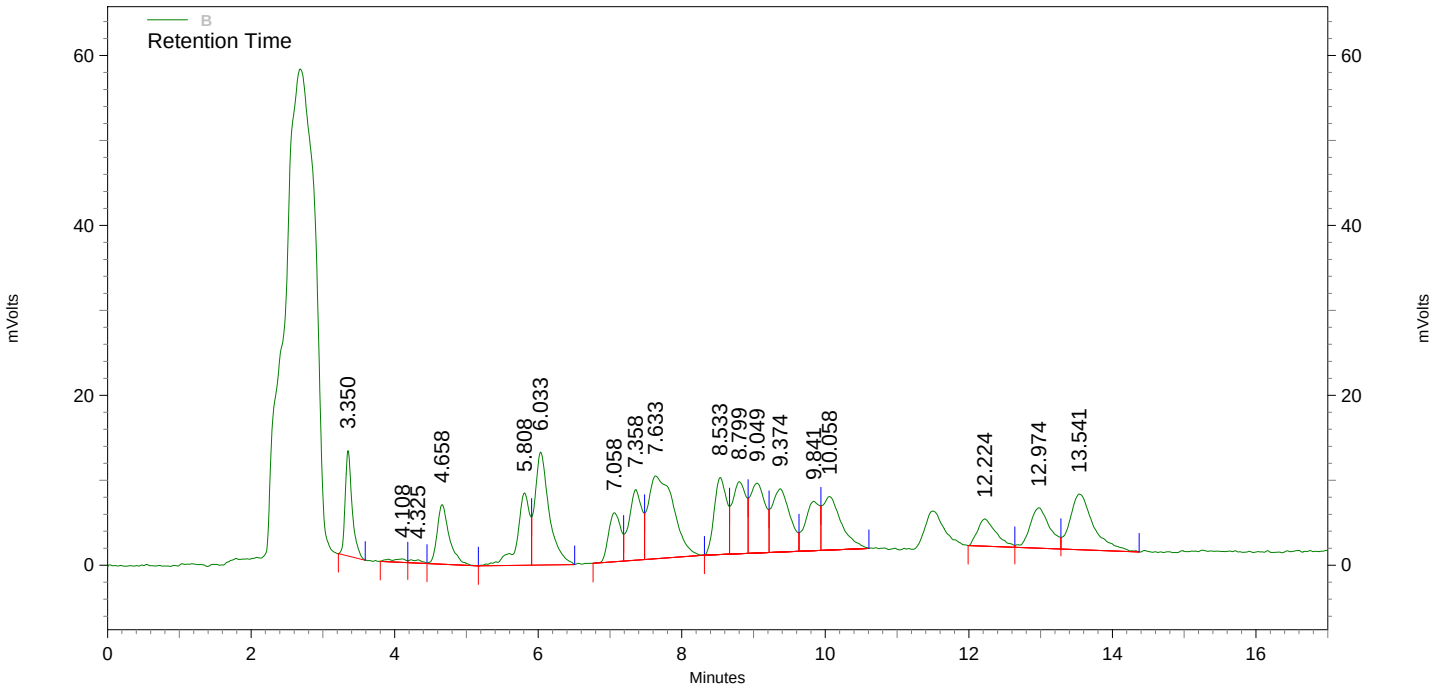
B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NG	2.000	1.935	3.242	20.000	Passed
26-DNT	0.500	0.569	13.857	20.000	Passed
24-DNT	0.500	0.551	10.161	20.000	Passed
PETN	2.000	1.826	8.690	20.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\042513expic-primary\009.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\042513expic-primary.met
Sample ID: 8330 ICV EXP 5009
Acquired: Apr 25, 2013 18:56:20
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.350	32603	**0.480**
RDX	4.658	37750	**0.482**
12-DNB (SSTD)	5.808	38236	**92.023**
135-TNB	6.041	103896	**0.501**
13-DNB	7.066	107248	**0.491**
TETRYL	7.350	65709	**0.479**
35-DNA	7.650	75731	**0.462**
NB	7.791	119762	**0.520**
246-TNT	8.816	67623	**0.507**
4-AM-26-DNT	9.049	61916	**0.462**
2-AM-46-DNT	9.366	94327	**0.502**
2-NT	11.499	52546	**0.490**
4-NT	12.233	49060	**0.505**
3-NT	12.958	65488	**0.524**

B Results

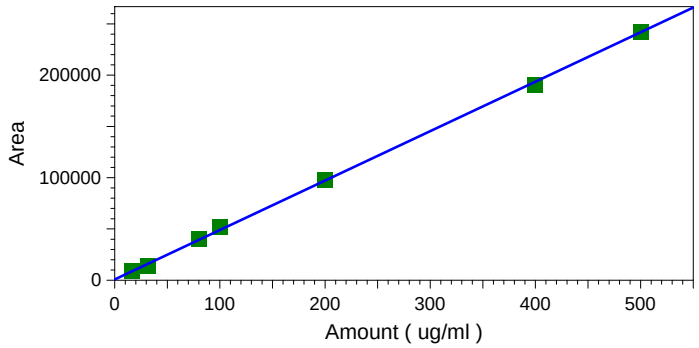
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.533	109007	**1.935**
26-DNT	9.841	81824	**0.569**
24-DNT	10.058	114223	**0.551**
PETN	13.541	148105	**1.826**

Calibration Report

Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\121712NQic-primary.met
Print Time: Dec 27, 2012 14:18:53
User: RED
Instrument: HPLC 1 (Offline)

12-DNB (SSTD) (A)
Average RF: 497.162 RF StDev: 37.9415 RF %RSD: 7.63161
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 482.126x + 732.728
Goodness of fit (r^2): 0.999541

Peak: 12-DNB (SSTD) -- ESTD -- A



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	16	32	80	100	200
Area	9077	14258	39990	51707	97775
RF	567.3125	445.5625	499.875	517.07	488.875
Last Area					
Residual	-1.30726	3.94658	-1.4254	-5.7282	-1.28006
Rep StDev					
Rep %RSD					
Rep 1 Area	9077	14258	39990	51707	97775
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 1\Data\121712nqic-primary\002.dat	C:\Instarch\HPLC 1\Data\121712nqic-primary\003.dat	C:\Instarch\HPLC 1\Data\121712nqic-primary\004.dat	C:\Instarch\HPLC 1\Data\121712nqic-primary\005.dat	C:\Instarch\HPLC 1\Data\121712nqic-primary\006.dat
Rep 1 Sample ID	NQ Pt 1 EXP 4907	NQ Pt 2 EXP 4908	NQ Pt 3 EXP 4909	NQ Pt 4 EXP 4910	NQ Pt 5 EXP 4911
Rep 1 Calib. Time	Dec 18, 2012 09:20:00	Dec 18, 2012 09:20:11	Dec 18, 2012 09:20:19	Dec 18, 2012 09:20:30	Dec 18, 2012 09:21:40

	Level 6	Level 7
Amount	400	500
Area	190484	242615

Calibration Report

Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\121712NQic-primary.met
Print Time: Dec 27, 2012 14:18:53
User: RED
Instrument: HPLC 1 (Offline)

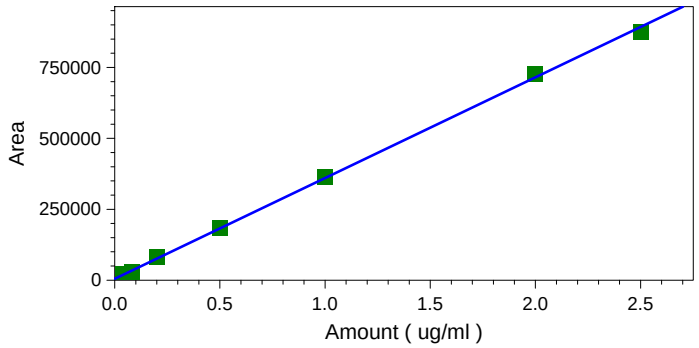
RF	476.21	485.23
Last Area		
Residual	6.42773	-1.69969
Rep StDev		
Rep %RSD		
Rep 1 Area	190484	242615
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 1\Data\121712nqic-primary\007.dat	C:\Instarch\HPLC 1\Data\121712nqic-primary\008.dat
Rep 1 Sample ID	NQ Pt 6 EXP 4912	NQ Pt 7 EXP 4913
Rep 1 Calib. Time	Dec 18, 2012 09:21:51	Dec 18, 2012 09:22:01

Calibration Report

Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\121712NQic-primary.met
Print Time: Dec 27, 2012 14:19:12
User: RED
Instrument: HPLC 1 (Offline)

NQ (B)
Average RF: 391692. RF StDev: 64086.6 RF %RSD: 16.3615
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 355065.x + 5125.81
Goodness of fit (r^2): 0.999398

Peak: NQ -- ESTD -- B



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.04	0.08	0.2	0.5	1
Area	21290	28788	80427	185557	362780
RF	532250	359850	402135	371114	362780
Last Area					
Residual	-0.00552466	0.013358	-0.0120775	-0.00816453	-0.00729354
Rep StDev					
Rep %RSD					
Rep 1 Area	21290	28788	80427	185557	362780
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 1\Data\121712nqic-primary\002.dat	C:\Instarch\HPLC 1\Data\121712nqic-primary\003.dat	C:\Instarch\HPLC 1\Data\121712nqic-primary\004.dat	C:\Instarch\HPLC 1\Data\121712nqic-primary\005.dat	C:\Instarch\HPLC 1\Data\121712nqic-primary\006.dat
Rep 1 Sample ID	NQ Pt 1 EXP 4907	NQ Pt 2 EXP 4908	NQ Pt 3 EXP 4909	NQ Pt 4 EXP 4910	NQ Pt 5 EXP 4911
Rep 1 Calib. Time	Dec 18, 2012 09:20:00	Dec 18, 2012 09:20:11	Dec 18, 2012 09:20:19	Dec 18, 2012 09:20:30	Dec 18, 2012 09:21:40

	Level 6	Level 7
Amount	2	2.5
Area	726090	876669

Calibration Report

Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\121712NQic-primary.met
Print Time: Dec 27, 2012 14:19:12
User: RED
Instrument: HPLC 1 (Offline)

RF	363045	350667.6
Last Area Residual	-0.030516	0.0453948
Rep StDev		
Rep %RSD		
Rep 1 Area	726090	876669
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 1\Data\121712nqic-primary\007.dat	C:\Instarch\HPLC 1\Data\121712nqic-primary\008.dat
Rep 1 Sample ID	NQ Pt 6 EXP 4912	NQ Pt 7 EXP 4913
Rep 1 Calib. Time	Dec 18, 2012 09:21:51	Dec 18, 2012 09:22:01

QC Check Standard Report

Sequence : C:\Instarch\HPLC 1\Sequence\NQ\121712NQic-primary.seq
User : RED
Printed : Dec 18, 2012 09:43:41

File	Sample ID	Acquired
C:\Instarch\HPLC 1\Data\121712nqic-primary\002.dat	NQ Pt 1 EXP 4907	Dec 18, 2012 09:43:40

A

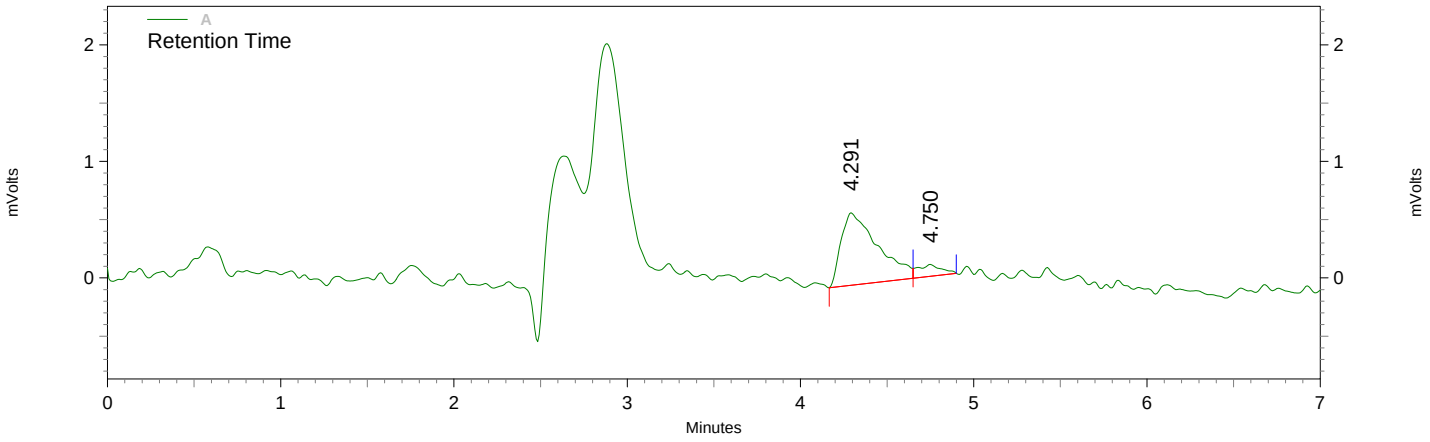
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
12-DNB (SSTD)	16.000	17.307	8.170	20.000	Passed

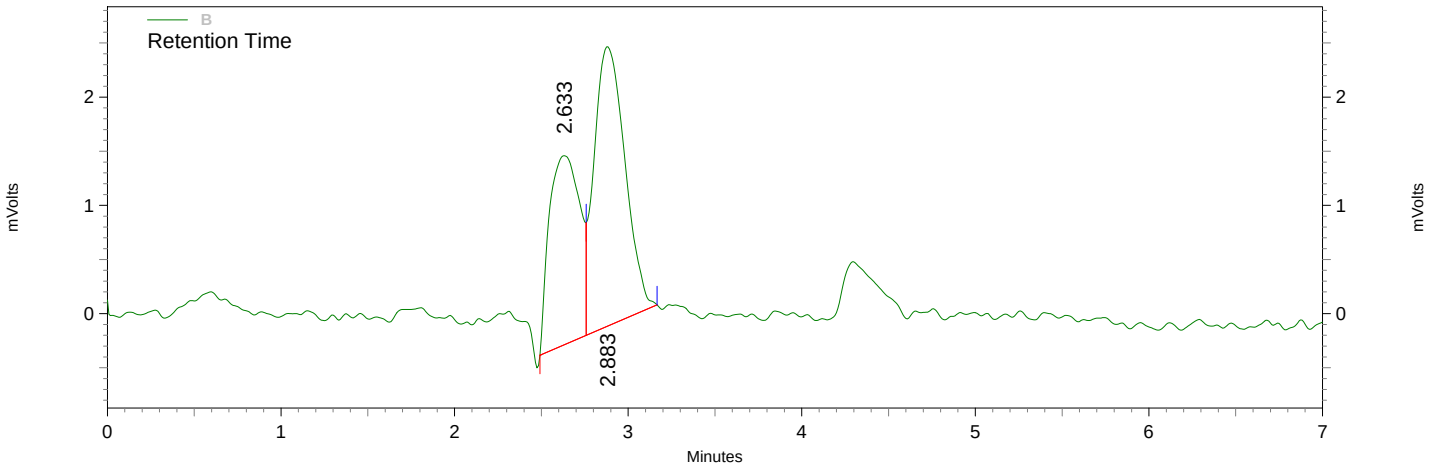
B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NQ	0.040	0.046	13.812	20.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121712nqic-primary\002.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\121712NQic-primary.met
Sample ID: NQ Pt 1 EXP 4907
Acquired: Dec 17, 2012 16:03:05
Data Summary: {Data Description}





A Results

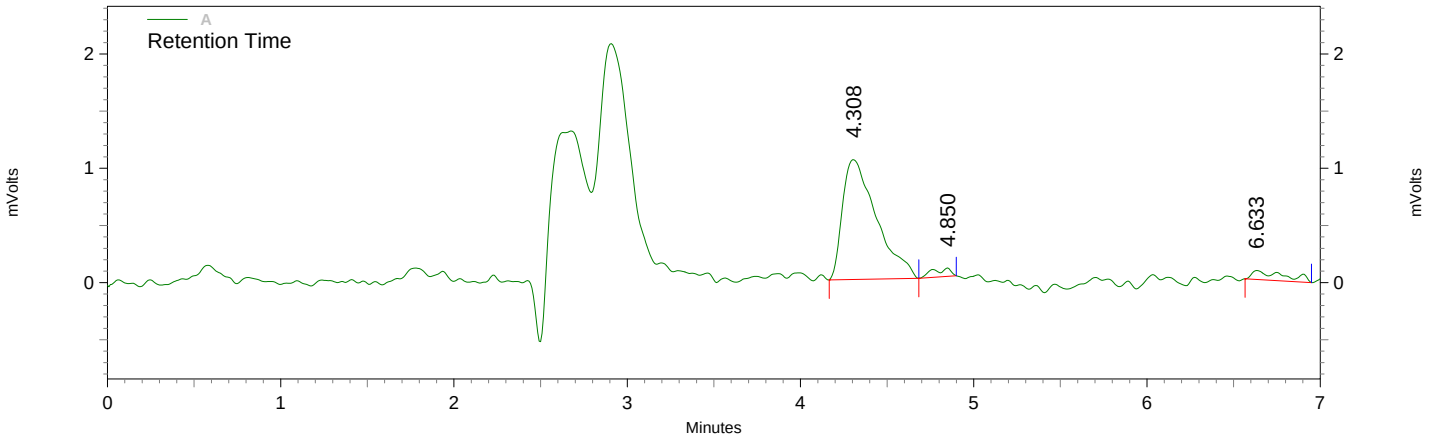
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.291	9077	**17.307**

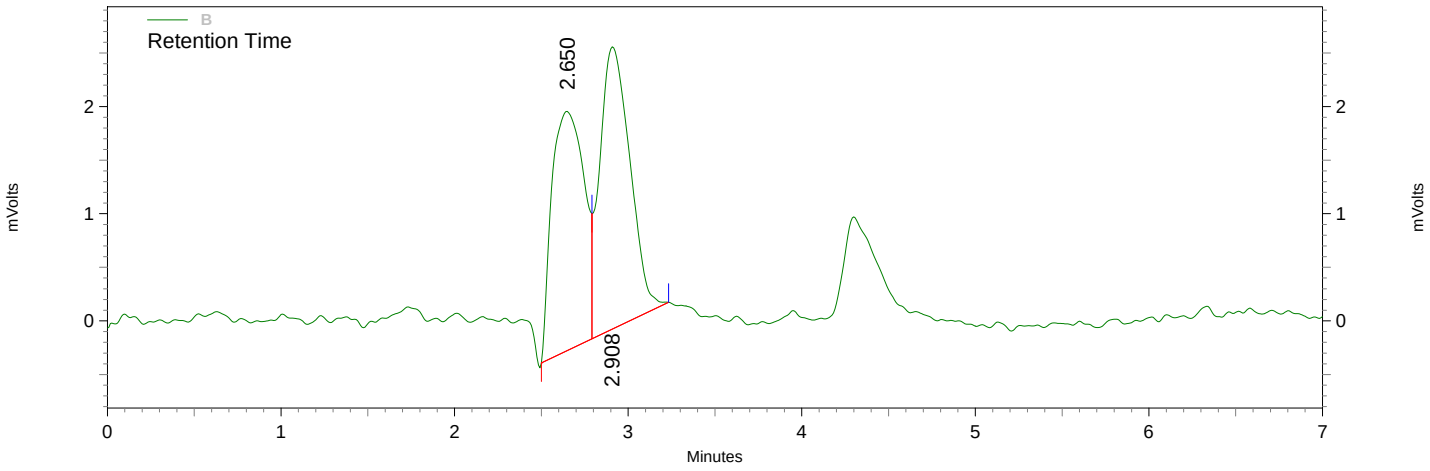
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.633	21290	**0.046**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121712nqic-primary\003.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\121712NQic-primary.met
Sample ID: NQ Pt 2 EXP 4908
Acquired: Dec 17, 2012 16:11:47
Data Summary: {Data Description}





A Results

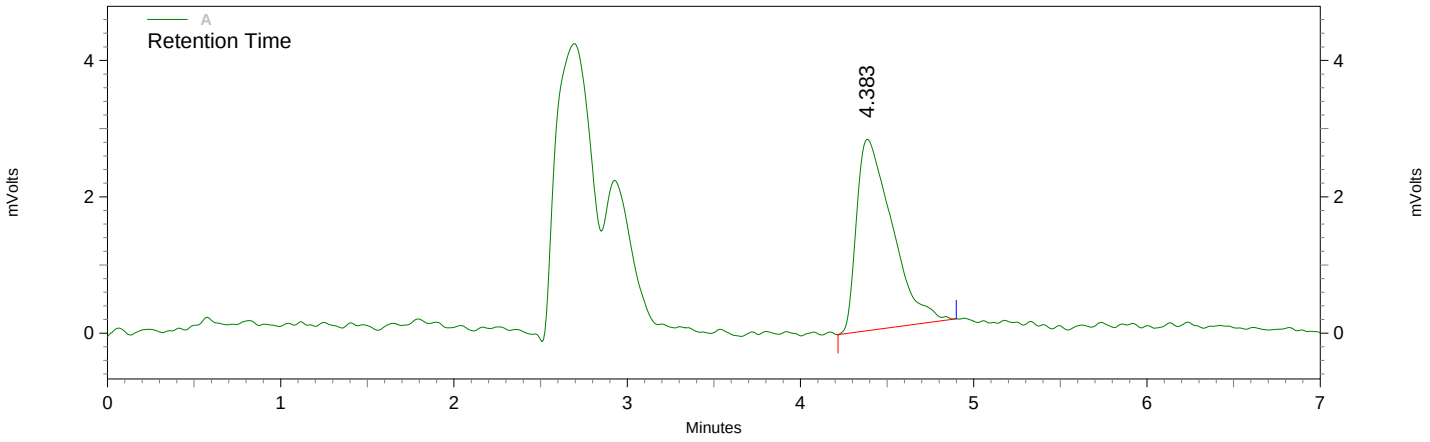
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.308	14258	**32.000 CAL**

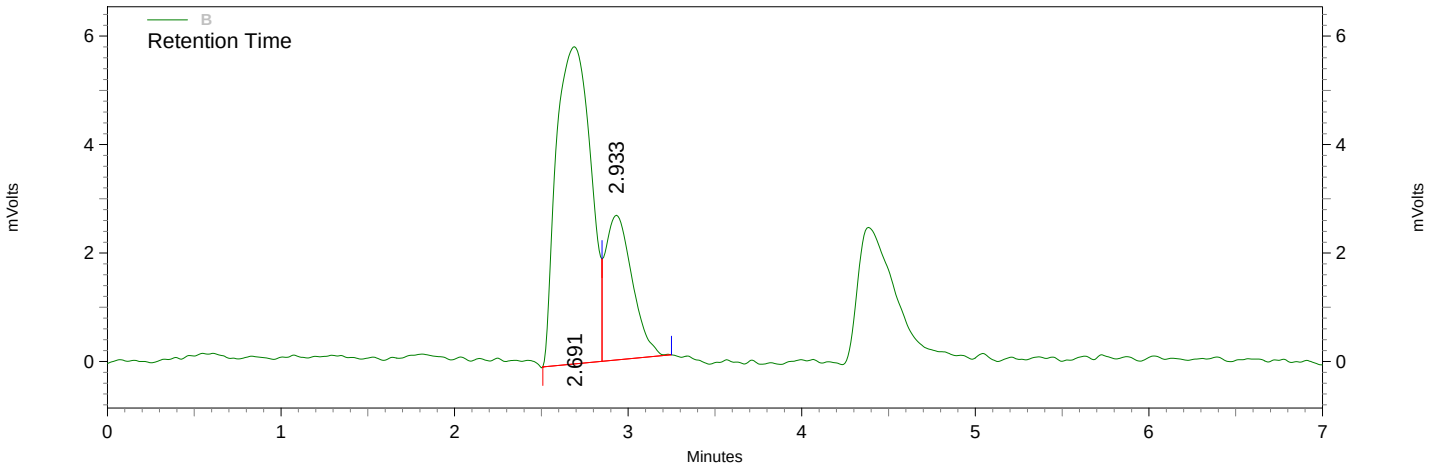
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.650	28788	**0.080 CAL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121712nqic-primary\004.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\121712NQic-primary.met
Sample ID: NQ Pt 3 EXP 4909
Acquired: Dec 17, 2012 16:20:28
Data Summary: {Data Description}





A Results

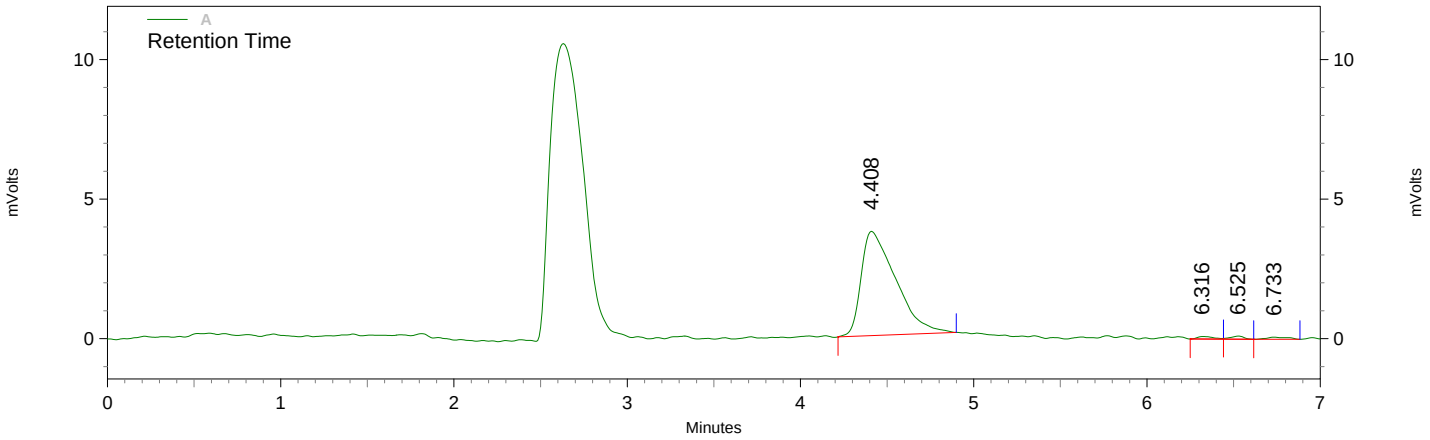
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.383	39990	**80.000 CAL**

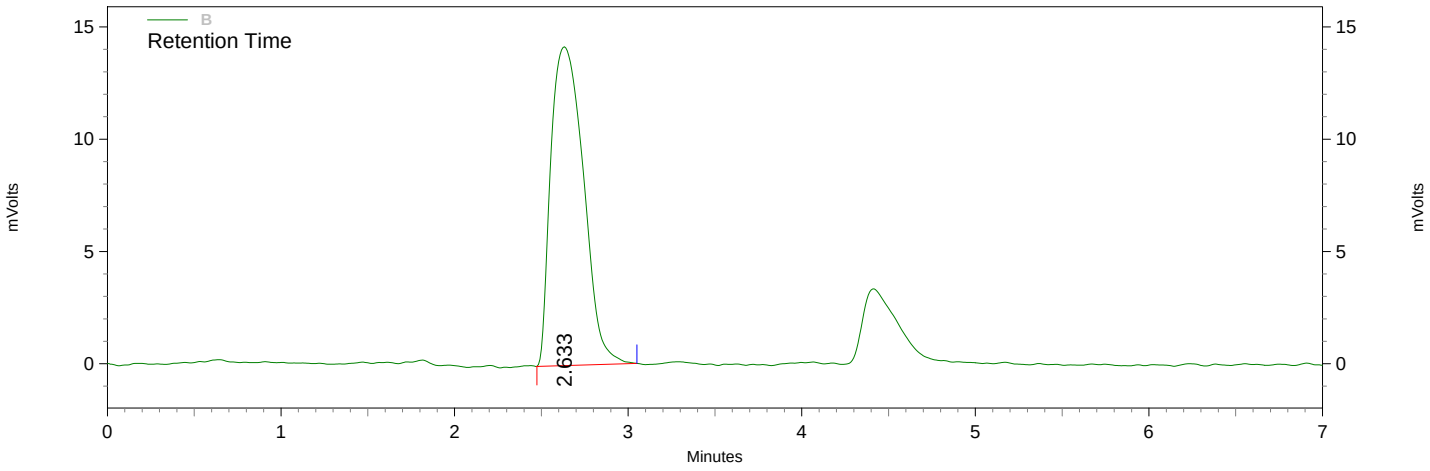
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.691	80427	**0.200 CAL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121712nqic-primary\005.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\121712NQic-primary.met
Sample ID: NQ Pt 4 EXP 4910
Acquired: Dec 17, 2012 16:29:10
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.408	51707	**100.000 CAL**

B Results

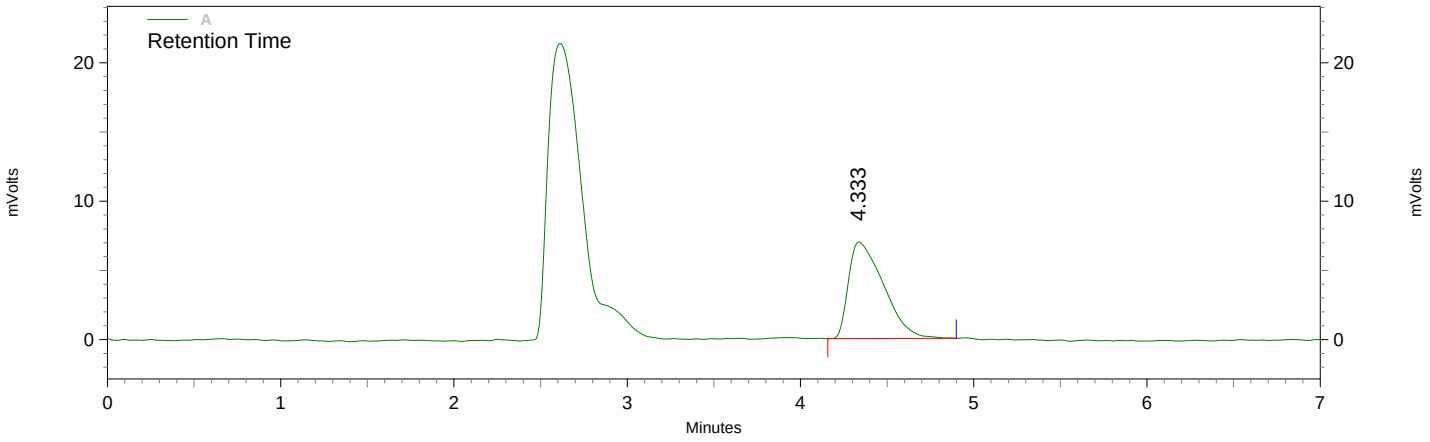
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.633	185557	**0.500 CAL**

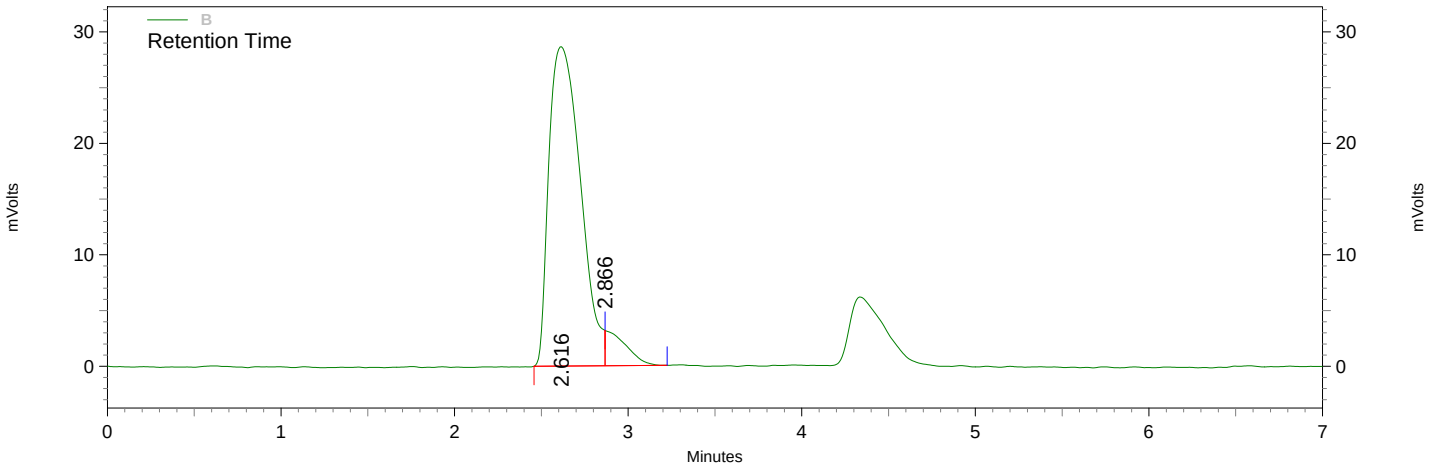
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121712nqic-primary\006.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\121712NQic-primary.met
Sample ID: NQ Pt 5 EXP 4911
Acquired: Dec 17, 2012 16:37:51
Data Summary: Reason #3 applies to data. RED 12/18/2012

12/19/2012





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.333	97775	**200.000 CAL**

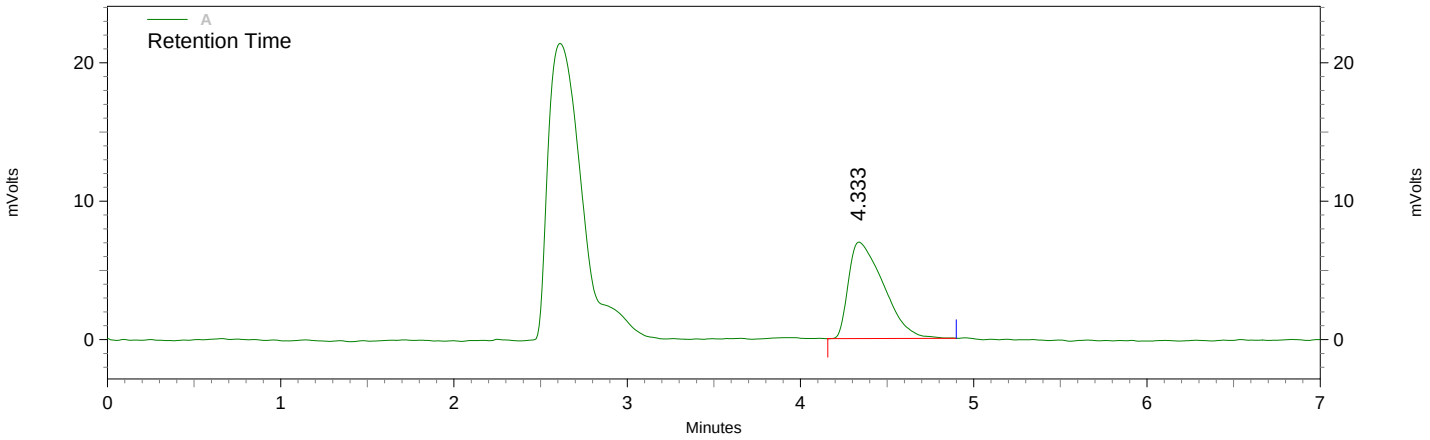
B Results

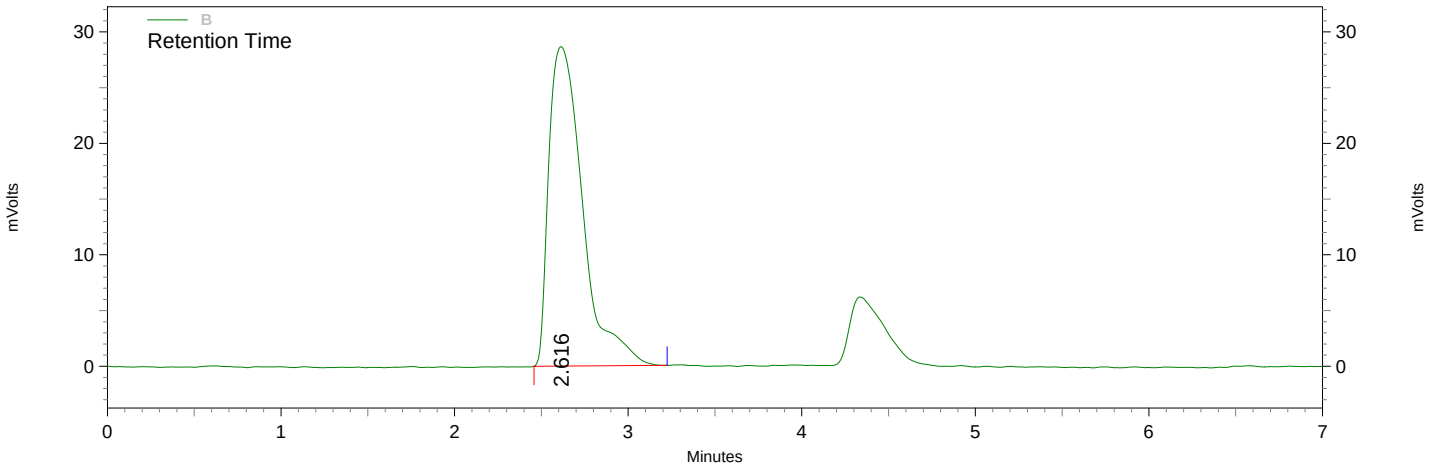
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.616	362780	**1.000 CAL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121712nqic-primary\006.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\121712NQic-primary.met
Sample ID: NQ Pt 5 EXP 4911
Acquired: Dec 17, 2012 16:37:51
Data Summary: Reason #3 applies to data. RED 12/18/2012





A Results

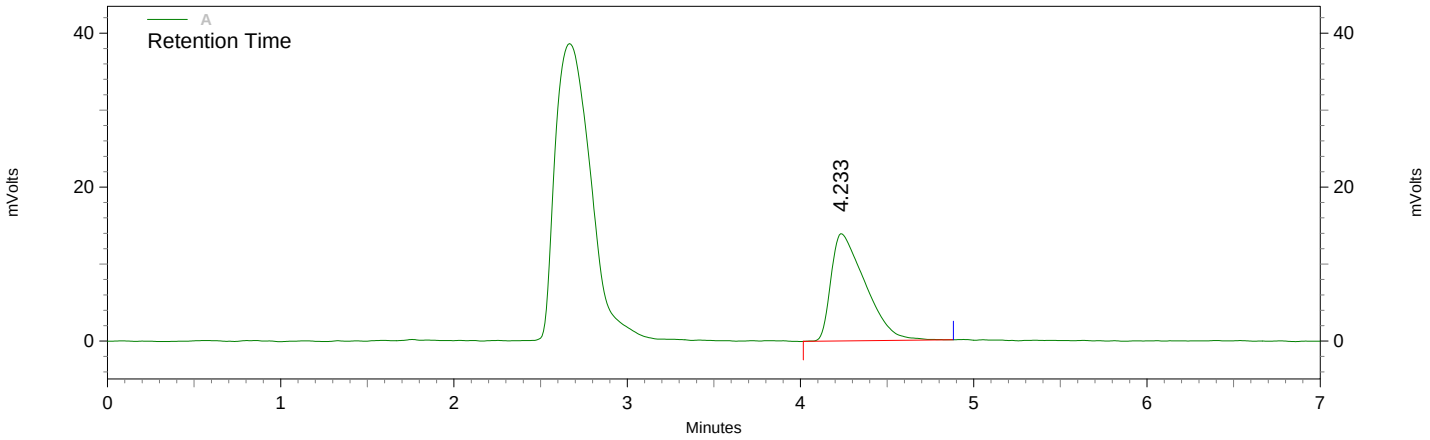
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.333	97775	**194.853**

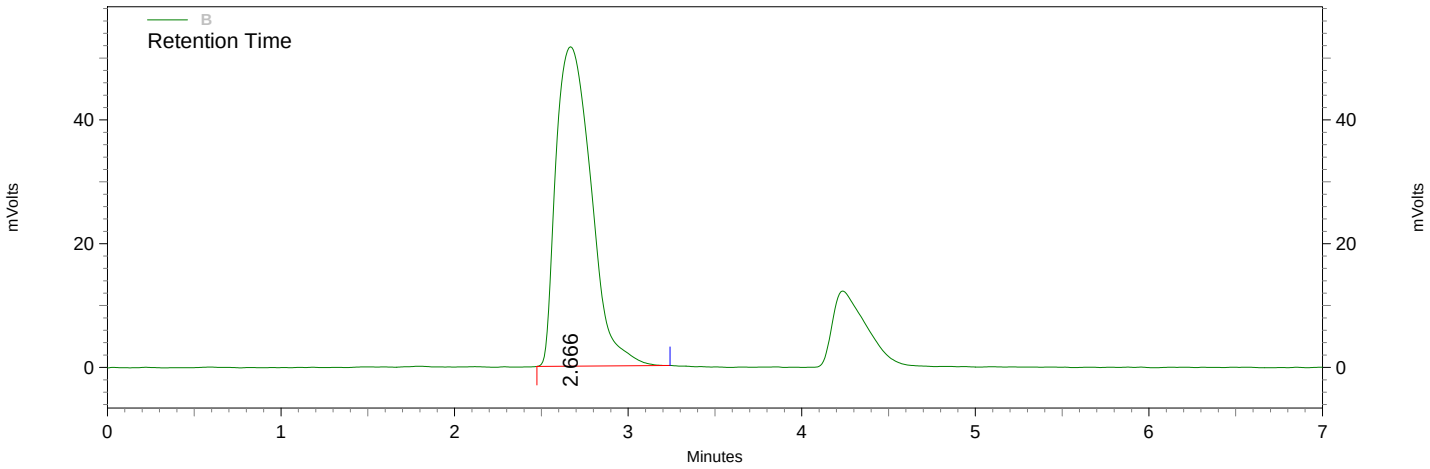
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.616	388912	**1.059**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121712nqic-primary\007.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\121712NQic-primary.met
Sample ID: NQ Pt 6 EXP 4912
Acquired: Dec 17, 2012 16:46:33
Data Summary: {Data Description}





A Results

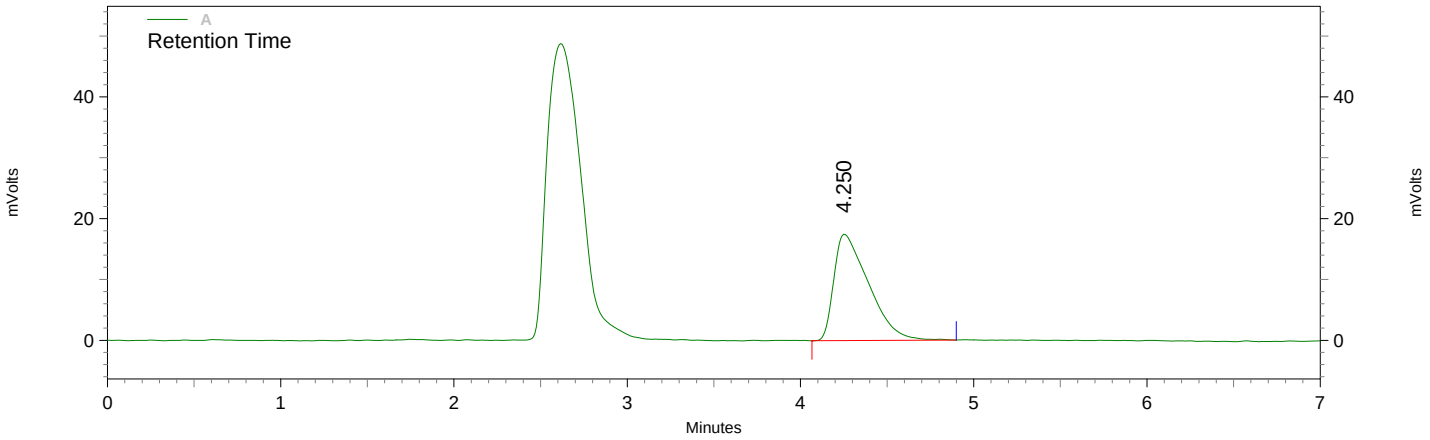
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.233	190484	**400.000 CAL**

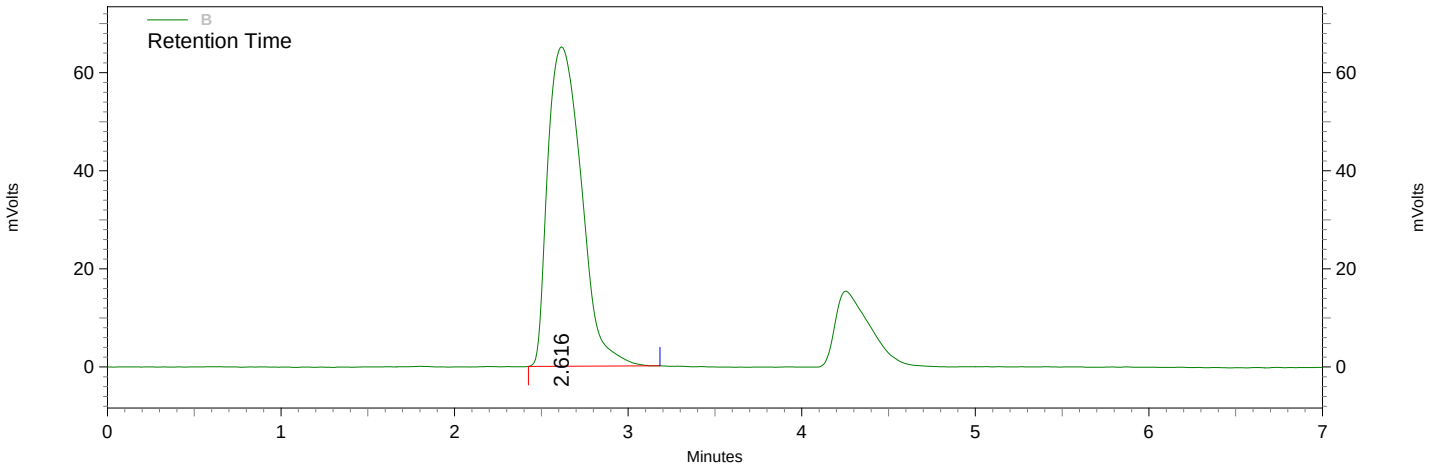
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.666	726090	**2.000 CAL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121712nqic-primary\008.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\121712NQic-primary.met
Sample ID: NQ Pt 7 EXP 4913
Acquired: Dec 17, 2012 16:55:14
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.250	242615	**500.000 CAL**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.616	876669	**2.500 CAL**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 1\Sequence\NQ\121712NQic-primary.seq
User : RED
Printed : Dec 18, 2012 09:44:05

File	Sample ID	Acquired
C:\Instarch\HPLC 1\Data\121712nqic-primary\009.dat	NQ ICV EXP 4914	Dec 18, 2012 09:44:05

A

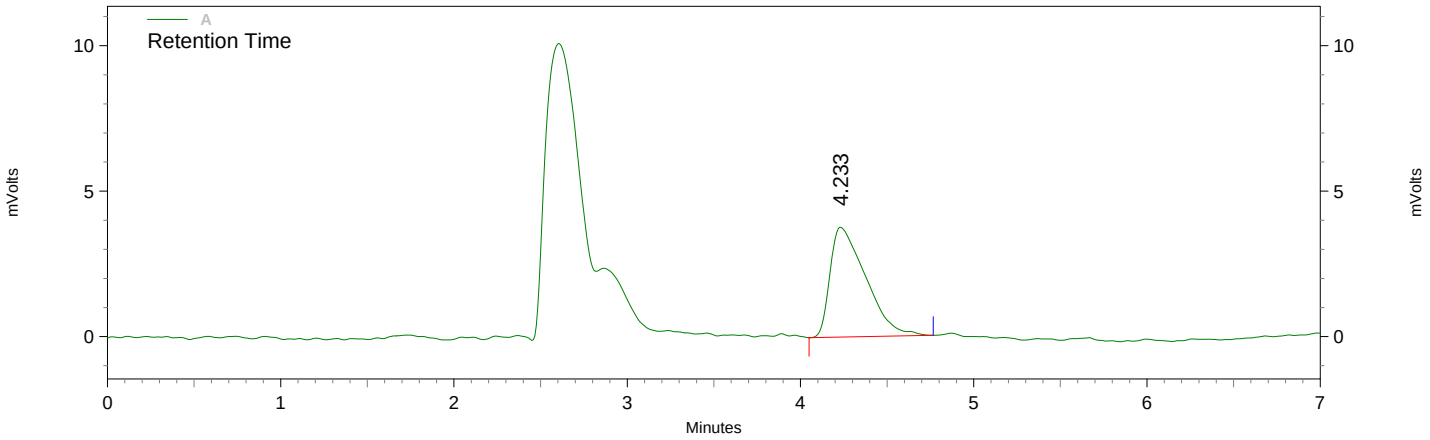
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
12-DNB (SSTD)	100.000	110.059	10.059	20.000	Passed

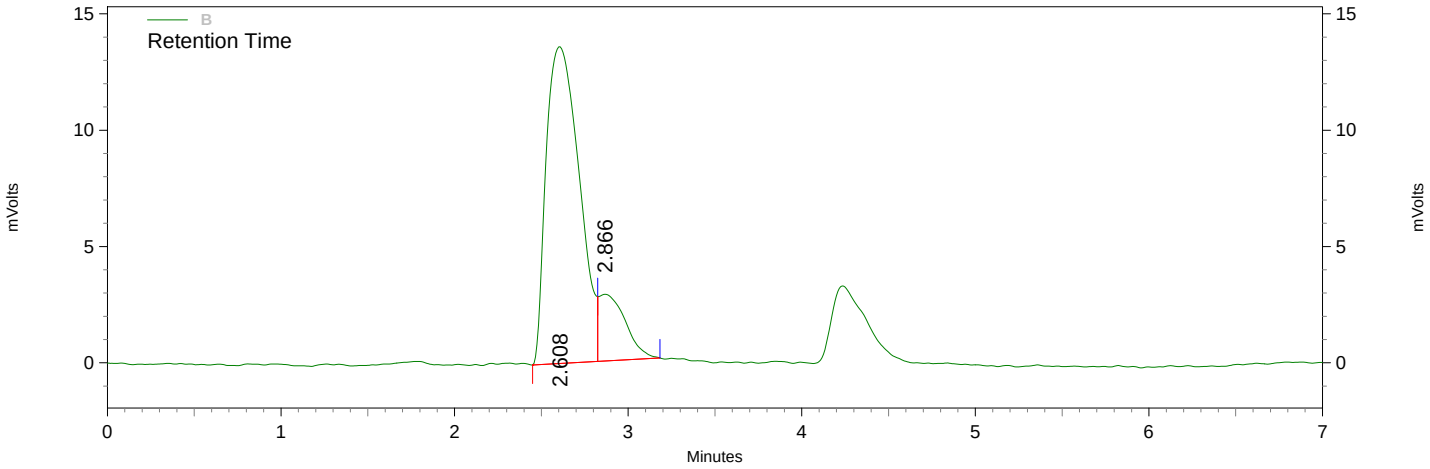
B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NQ	0.500	0.493	1.481	20.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121712nqic-primary\009.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\121712NQic-primary.met
Sample ID: NQ ICV EXP 4914
Acquired: Dec 17, 2012 17:03:55
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.233	53795	**110.059**

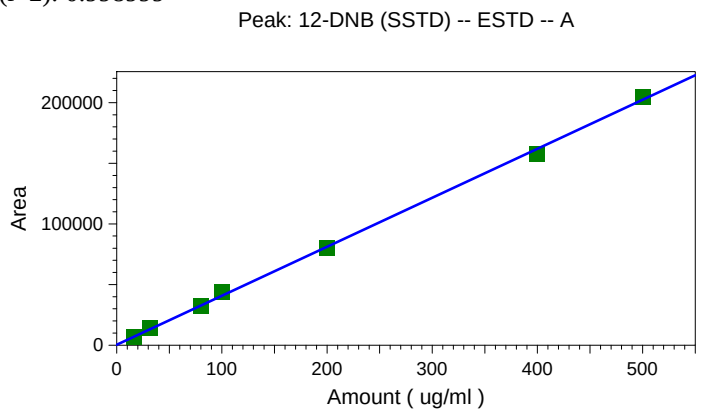
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.608	180028	**0.493**

Calibration Report

Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\121812nqic-confirm.met
Print Time: Dec 27, 2012 14:19:49
User: RED
Instrument: HPLC 1 (Offline)

12-DNB (SSTD) (A)
Average RF: 410.286 RF StDev: 19.0976 RF %RSD: 4.65471
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 404.220x + 294.507
Goodness of fit (r^2): 0.998999



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	16	32	80	100	200
Area	6267	13937	32028	43829	80214
RF	391.6875	435.53125	400.35	438.29	401.07
Last Area					
Residual	1.22465	-1.75015	1.49453	-7.69996	2.28722
Rep StDev					
Rep %RSD					
Rep 1 Area	6267	13937	32028	43829	80214
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 1\Data\121812nqic-confirm\002.dat	C:\Instarch\HPLC 1\Data\121812nqic-confirm\003.dat	C:\Instarch\HPLC 1\Data\121812nqic-confirm\004.dat	C:\Instarch\HPLC 1\Data\121812nqic-confirm\005.dat	C:\Instarch\HPLC 1\Data\121812nqic-confirm\006.dat
Rep 1 Sample ID	NQ Pt 1 EXP 4907	NQ Pt 2 EXP 4908	NQ Pt 3 EXP 4909	NQ Pt 4 EXP 4910	NQ Pt 5 EXP 4911
Rep 1 Calib. Time	Dec 18, 2012 14:43:30	Dec 18, 2012 14:43:40	Dec 18, 2012 14:43:49	Dec 18, 2012 14:43:59	Dec 18, 2012 14:44:30

	Level 6	Level 7
Amount	400	500
Area	157954	205093

Calibration Report

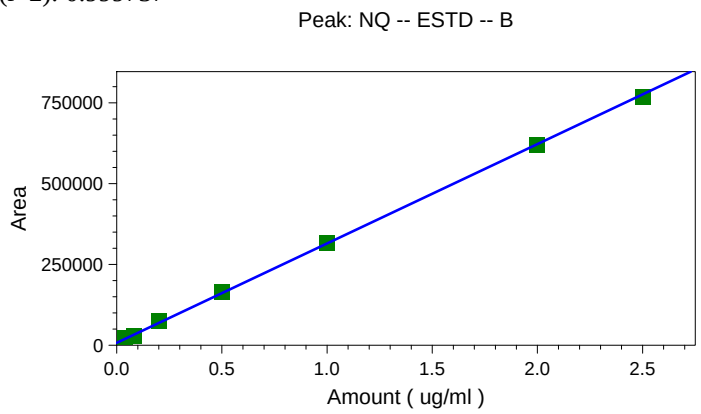
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\121812nqic-confirm.met
Print Time: Dec 27, 2012 14:19:49
User: RED
Instrument: HPLC 1 (Offline)

RF	394.885	410.186
Last Area		
Residual	9.96628	-6.65087
Rep StDev		
Rep %RSD		
Rep 1 Area	157954	205093
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 1\Data\121812nqic-confirm\007.dat	C:\Instarch\HPLC 1\Data\121812nqic-confirm\008.dat
Rep 1 Sample ID	NQ Pt 6 EXP 4912	NQ Pt 7 EXP 4913
Rep 1 Calib. Time	Dec 18, 2012 15:33:49	Dec 18, 2012 15:33:59

Calibration Report

Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\121812nqic-confirm.met
Print Time: Dec 27, 2012 14:19:59
User: RED
Instrument: HPLC 1 (Offline)

NQ (B)
Average RF: 356802. RF StDev: 72530.3 RF %RSD: 20.3279
Scaling: None LSQ Weighting: 1/Response Force Through Zero: Off
Replicate Mode: Replace
Fit Type: Linear
y = 307694.x + 7168.79
Goodness of fit (r^2): 0.999737



	Level 1	Level 2	Level 3	Level 4	Level 5
Amount	0.04	0.08	0.2	0.5	1
Area	20512	27404	74870	166288	317373
RF	512800	342550	374350	332576	317373
Last Area					
Residual	-0.00336521	0.0142359	-0.0200278	-0.0171347	-0.00815838
Rep StDev					
Rep %RSD					
Rep 1 Area	20512	27404	74870	166288	317373
Rep 1 User	RED	RED	RED	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 1\Data\121812nqic-confirm\002.dat	C:\Instarch\HPLC 1\Data\121812nqic-confirm\003.dat	C:\Instarch\HPLC 1\Data\121812nqic-confirm\004.dat	C:\Instarch\HPLC 1\Data\121812nqic-confirm\005.dat	C:\Instarch\HPLC 1\Data\121812nqic-confirm\006.dat
Rep 1 Sample ID	NQ Pt 1 EXP 4907	NQ Pt 2 EXP 4908	NQ Pt 3 EXP 4909	NQ Pt 4 EXP 4910	NQ Pt 5 EXP 4911
Rep 1 Calib. Time	Dec 18, 2012 14:43:30	Dec 18, 2012 14:43:40	Dec 18, 2012 14:43:49	Dec 18, 2012 14:43:59	Dec 18, 2012 14:44:30

	Level 6	Level 7
Amount	2	2.5
Area	620139	769735

Calibration Report

Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\121812nqic-confirm.met
Print Time: Dec 27, 2012 14:19:59
User: RED
Instrument: HPLC 1 (Offline)

RF	310069.5	307894
Last Area		
Residual	0.0078573	0.0216729
Rep StDev		
Rep %RSD		
Rep 1 Area	620139	769735
Rep 1 User	RED	RED
Rep 1 Data File	C:\Instarch\HPLC 1\Data\121812nqic-confirm\007.dat	C:\Instarch\HPLC 1\Data\121812nqic-confirm\008.dat
Rep 1 Sample ID	NQ Pt 6 EXP 4912	NQ Pt 7 EXP 4913
Rep 1 Calib. Time	Dec 18, 2012 15:33:49	Dec 18, 2012 15:33:59

QC Check Standard Report

Sequence : C:\Instarch\HPLC 1\Sequence\NQ\121812nqic-confirm.seq
User : RED
Printed : Dec 19, 2012 07:44:43

File	Sample ID	Acquired
C:\Instarch\HPLC 1\Data\121812nqic-confirm\002.dat	NQ Pt 1 EXP 4907	Dec 19, 2012 07:44:42

A

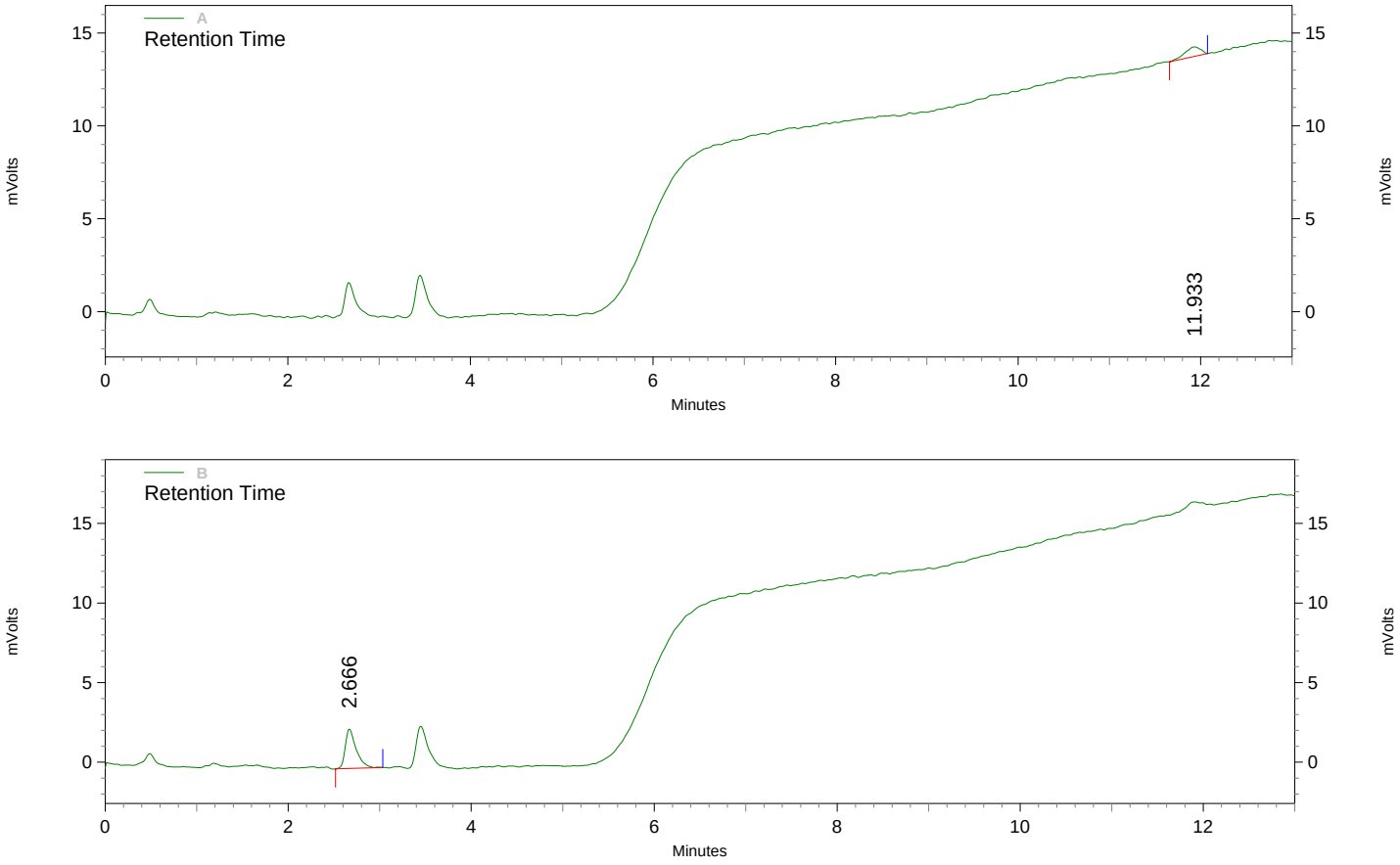
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
12-DNB (SSTD)	16.000	14.775	7.654	20.000	Passed

B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NQ	0.040	0.043	8.413	20.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121812nqic-confirm\002.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\121812nqic-confirm.met
User ID: **RED**
Sample ID: NQ Pt 1 EXP 4907
Acquired: Dec 18, 2012 13:22:35
Data summary: {Data Description}



A Results

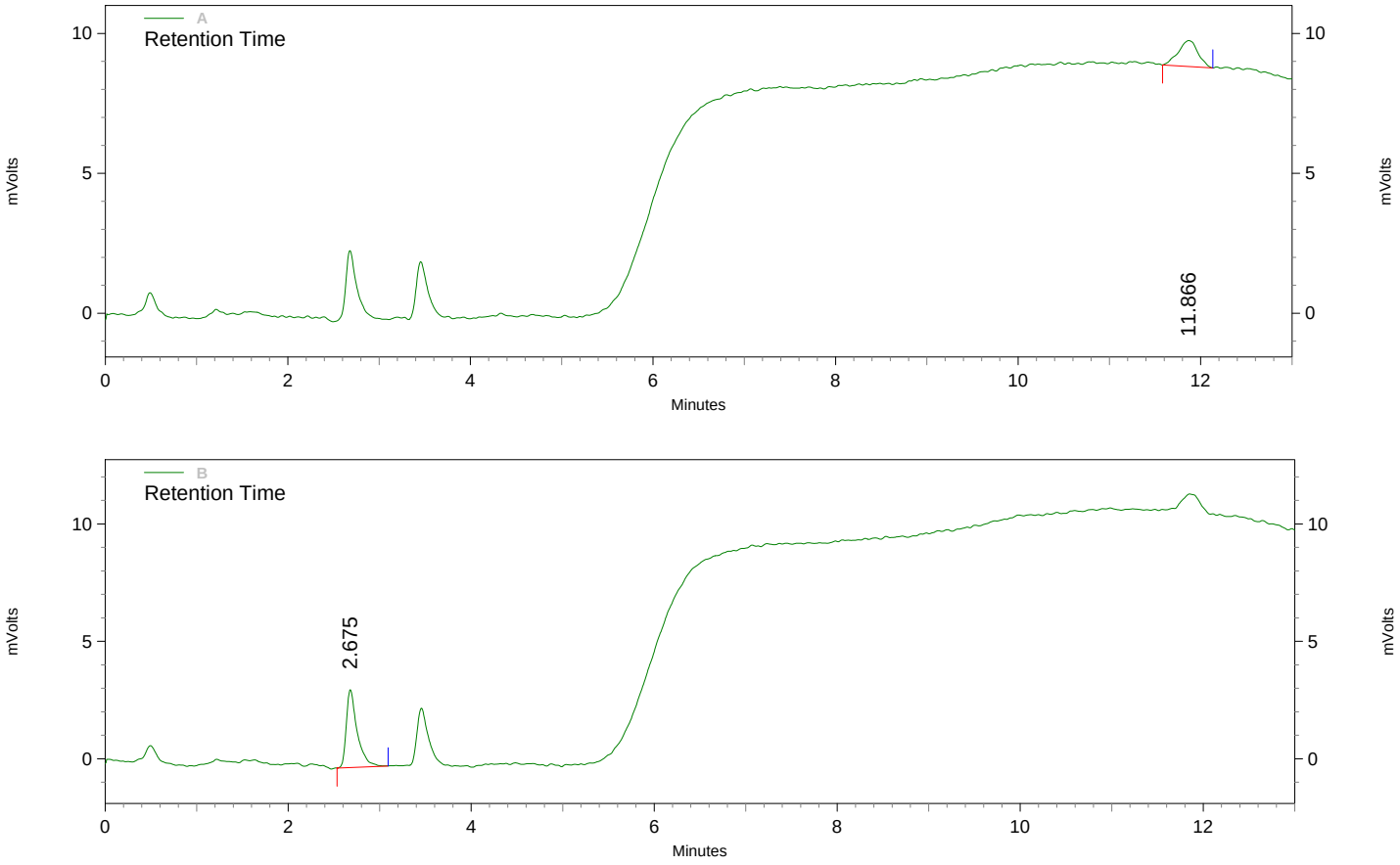
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	11.933	6267	**14.775**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.666	20512	**0.043**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121812nqic-confirm\003.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\121812nqic-confirm.met
User ID: **RED**
Sample ID: NQ Pt 2 EXP 4908
Acquired: Dec 18, 2012 13:39:46
Data summary: {Data Description}



A Results

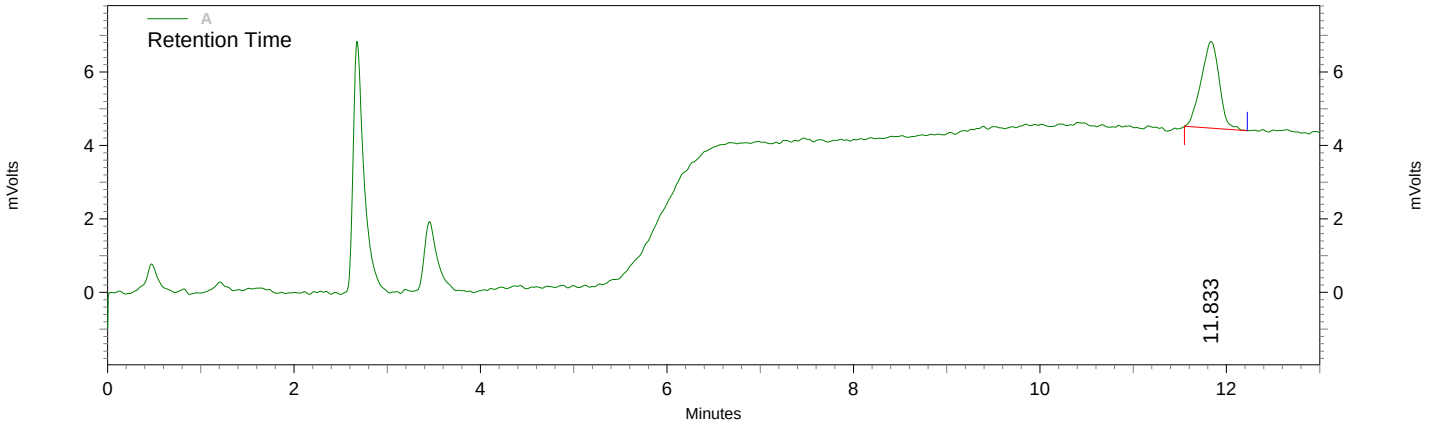
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	11.866	13937	**32.000 CAL**

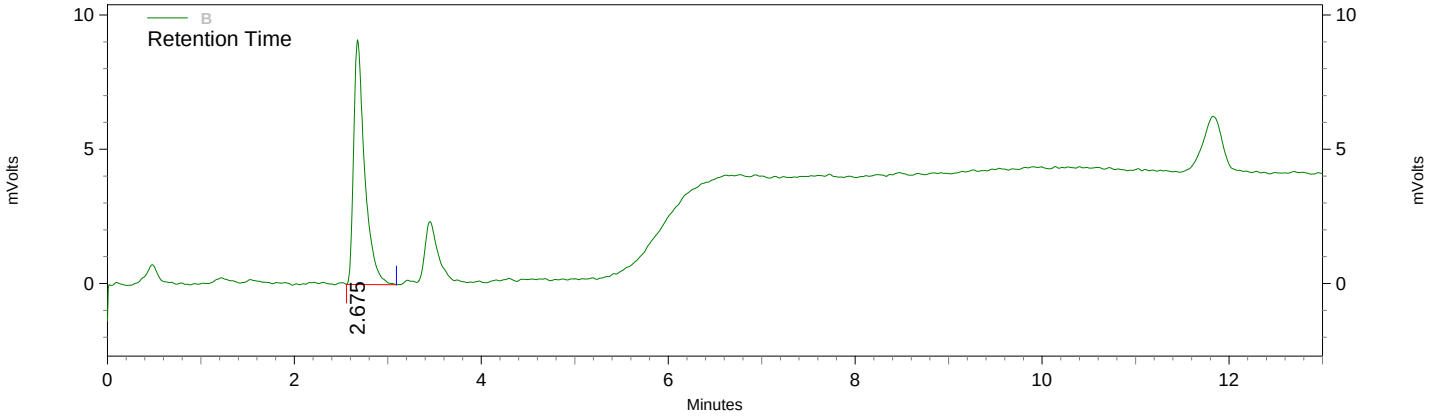
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.675	27404	**0.080 CAL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121812nqic-confirm\004.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\121812nqic-confirm.met
User ID: **RED**
Sample ID: NQ Pt 3 EXP 4909
Acquired: Dec 18, 2012 13:56:58
Data summary: {Data Description}





A Results

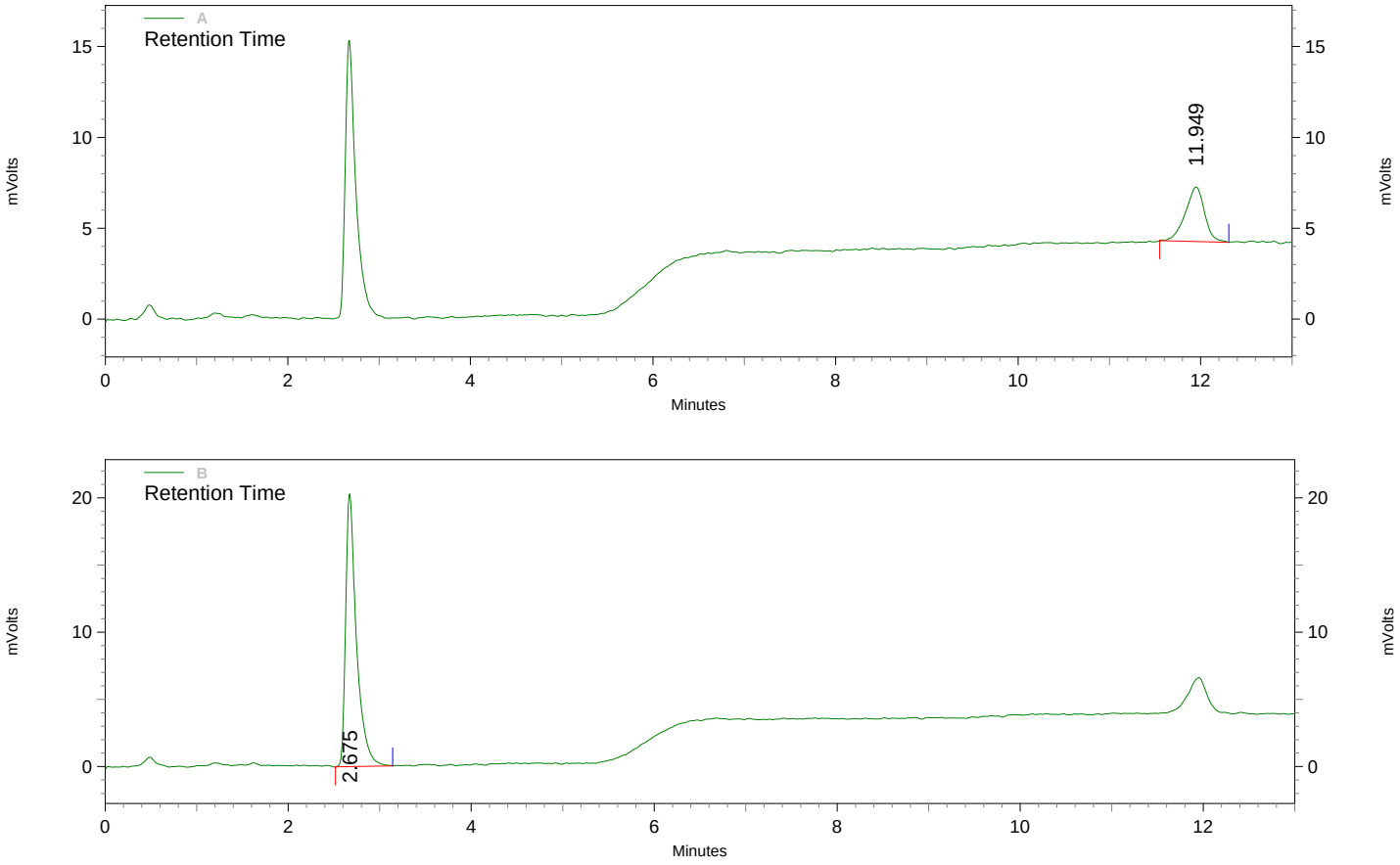
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	11.833	32028	**80.000 CAL**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.675	74870	**0.200 CAL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121812nqic-confirm\005.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\121812nqic-confirm.met
User ID: **RED**
Sample ID: NQ Pt 4 EXP 4910
Acquired: Dec 18, 2012 14:14:09
Data summary: {Data Description}



A Results

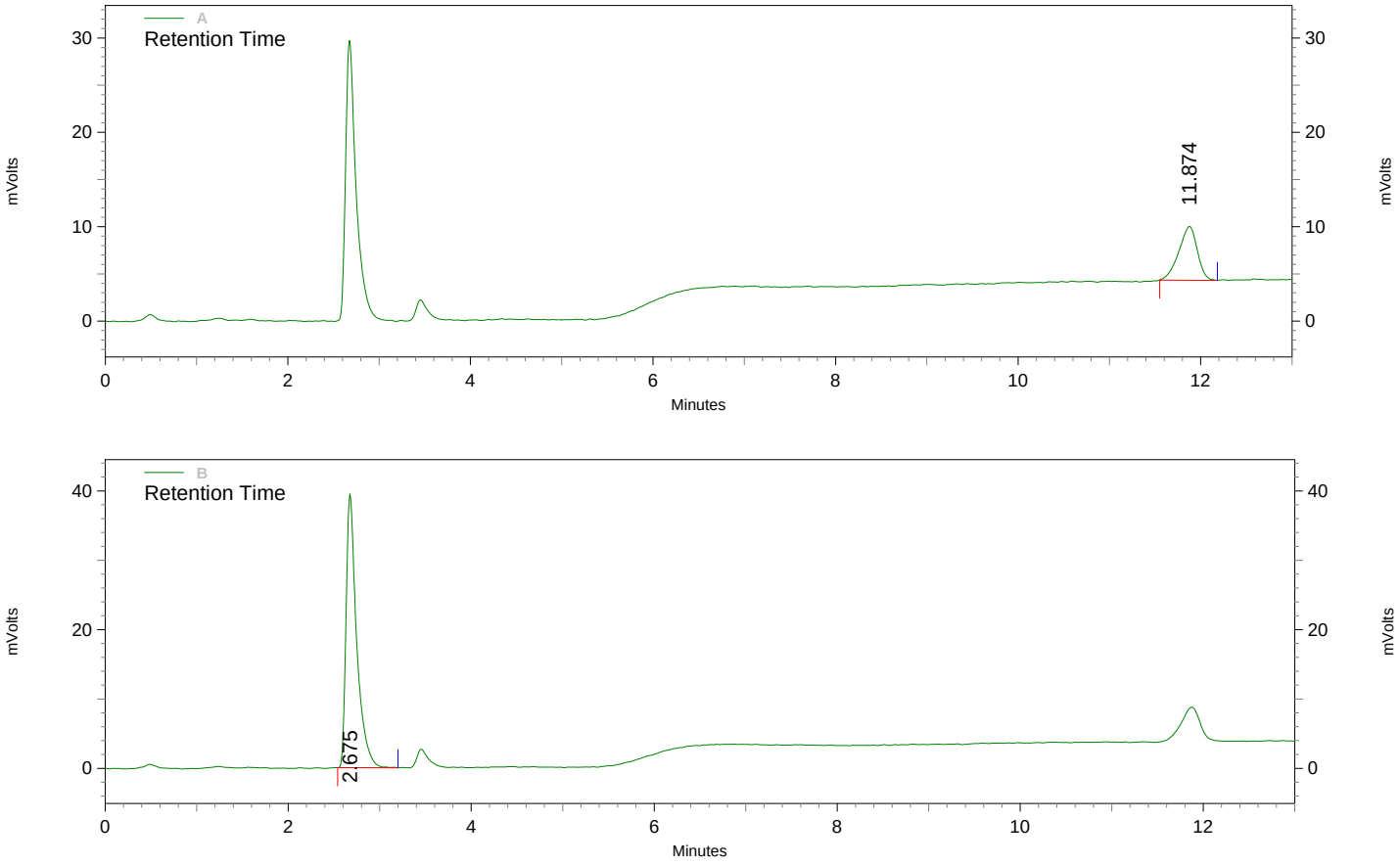
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	11.949	43829	**100.000 CAL**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.675	166288	**0.500 CAL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121812nqic-confirm\006.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\121812nqic-confirm.met
User ID: **RED**
Sample ID: NQ Pt 5 EXP 4911
Acquired: Dec 18, 2012 14:31:21
Data summary: {Data Description}



A Results

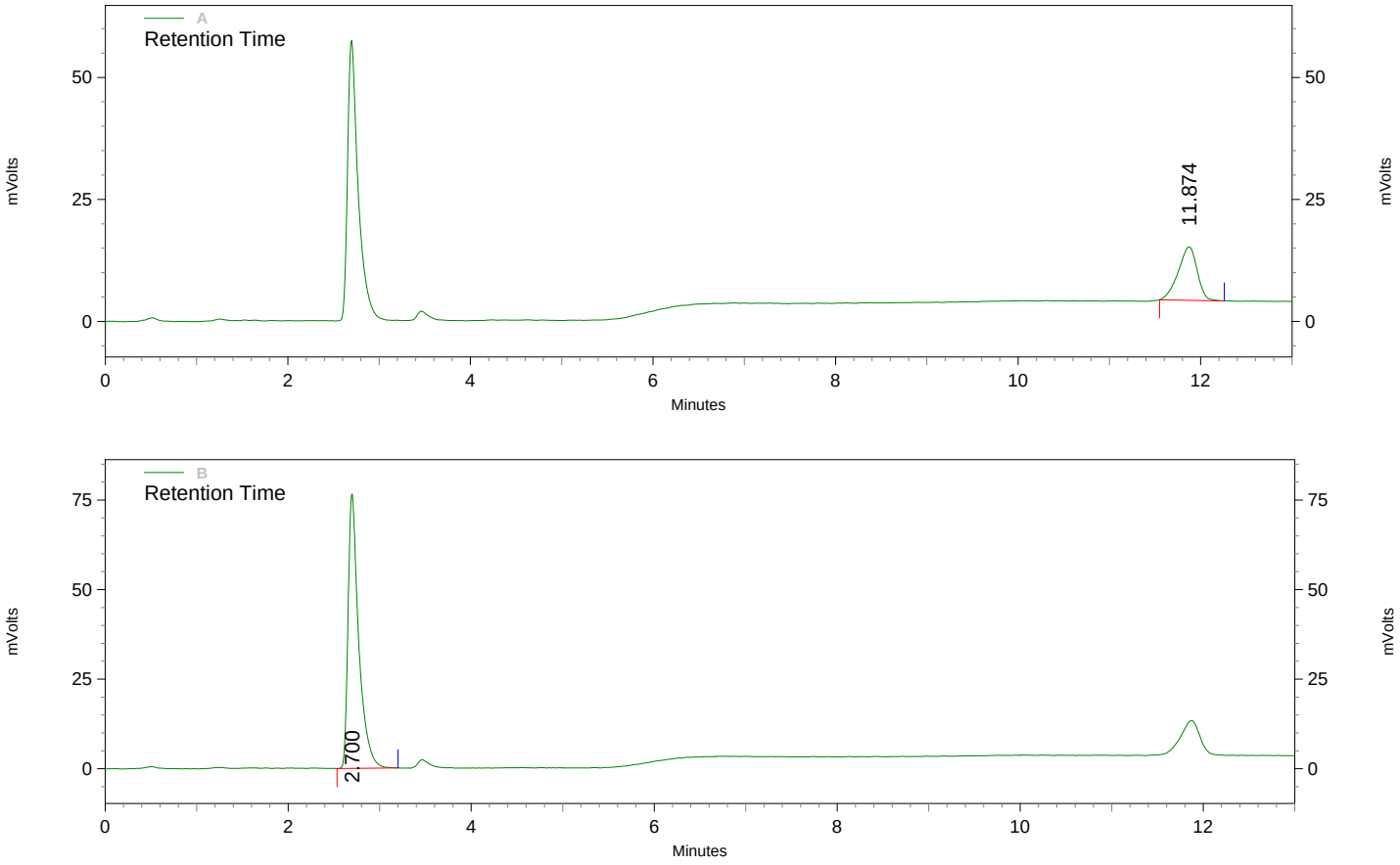
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	11.874	80214	**200.000 CAL**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.675	317373	**1.000 CAL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121812nqic-confirm\007.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\121812nqic-confirm.met
User ID: **RED**
Sample ID: NQ Pt 6 EXP 4912
Acquired: Dec 18, 2012 14:48:31
Data summary: {Data Description}



A Results

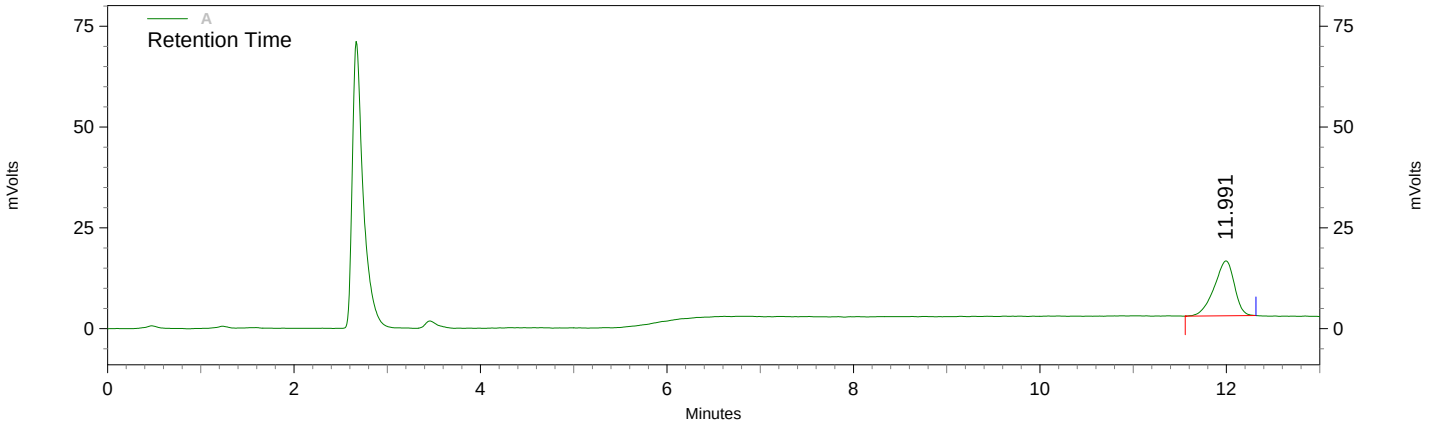
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	11.874	157954	**400.000 CAL**

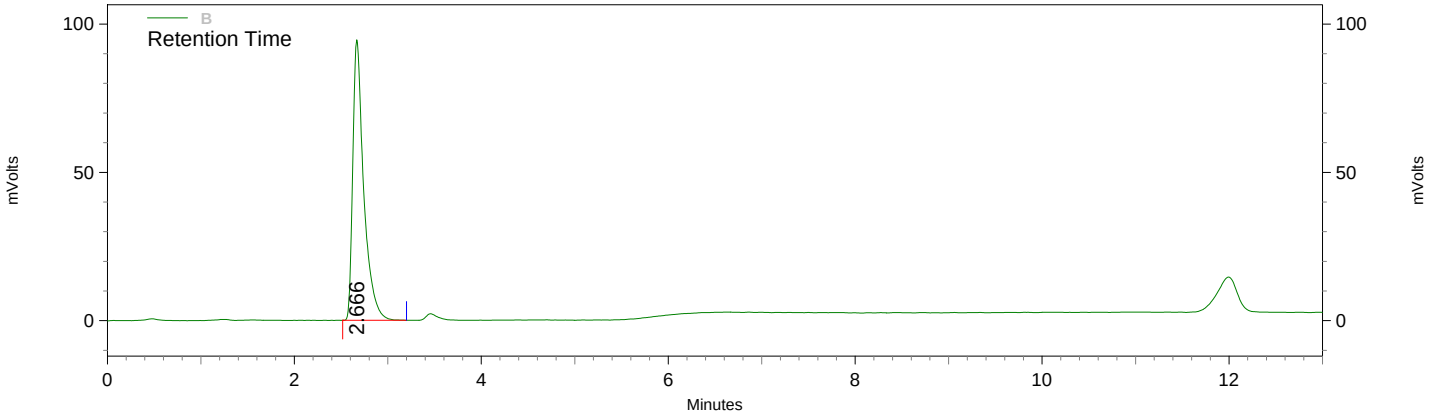
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.700	620139	**2.000 CAL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121812nqic-confirm\008.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\121812nqic-confirm.met
User ID: **RED**
Sample ID: NQ Pt 7 EXP 4913
Acquired: Dec 18, 2012 15:05:43
Data summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	11.991	205093	**500.000 CAL**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.666	769735	**2.500 CAL**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 1\Sequence\NQ\121812nqic-confirm.seq
User : RED
Printed : Dec 19, 2012 07:45:06

File	Sample ID	Acquired
C:\Instarch\HPLC 1\Data\121812nqic-confirm\009.dat	NQ ICV EXP 4914	Dec 19, 2012 07:45:06

A

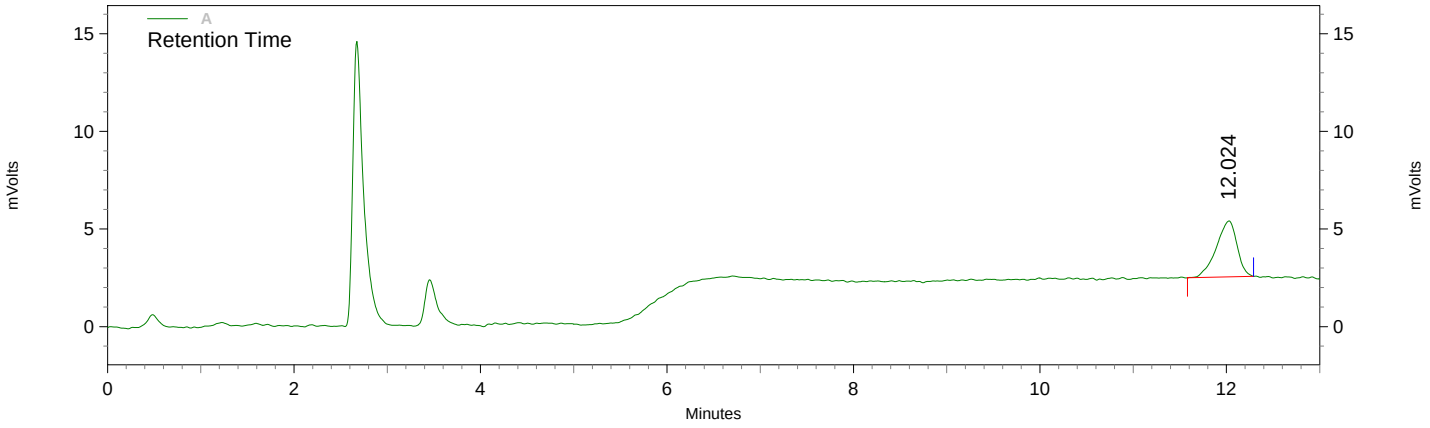
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
12-DNB (SSTD)	100.000	108.432	8.432	20.000	Passed

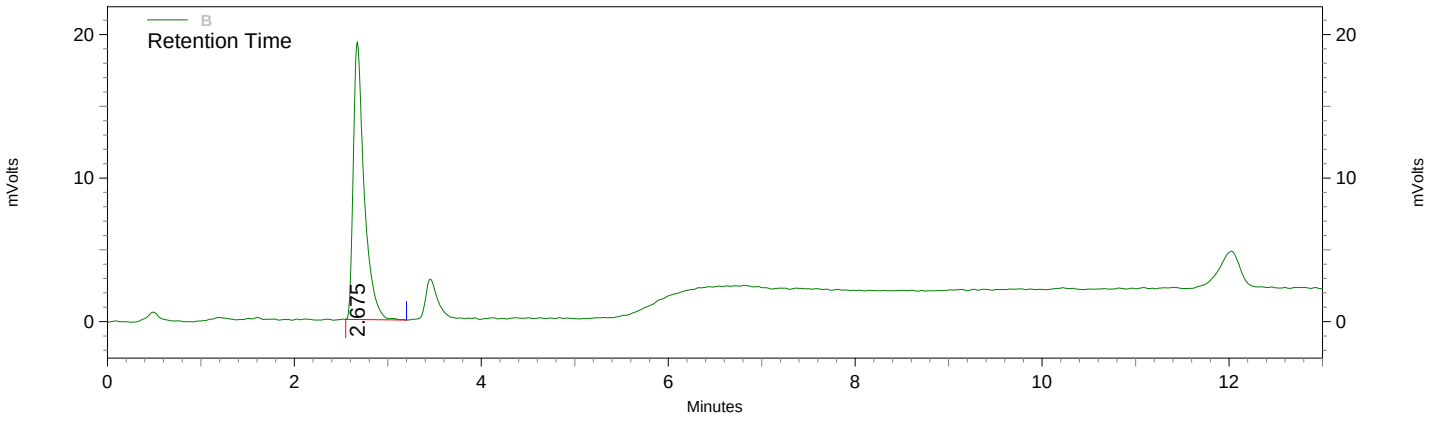
B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NQ	0.500	0.486	2.710	20.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\121812nqic-confirm\009.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\121812nqic-confirm.met
User ID: RED
Sample ID: NQ ICV EXP 4914
Acquired: Dec 18, 2012 15:22:54
Data summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	12.024	44125	**108.432**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.675	156847	**0.486**

NITROAROMATICS ANALYSIS
CONTINUING CALIBRATION
DOCUMENTS

QC Check Standard Report

09/05/2013

Sequence : C:\Instarch\HPLC 2\Sequences\8330A_B\082713exp-primary.seq
User : RED
Printed : Sep 05, 2013 10:10:06

File	Sample ID	Acquired
C:\Instarch\HPLC 2\Data\082713exp-primary\002.dat	8330 CCV EXP 5071	Sep 05, 2013 10:10:05

A

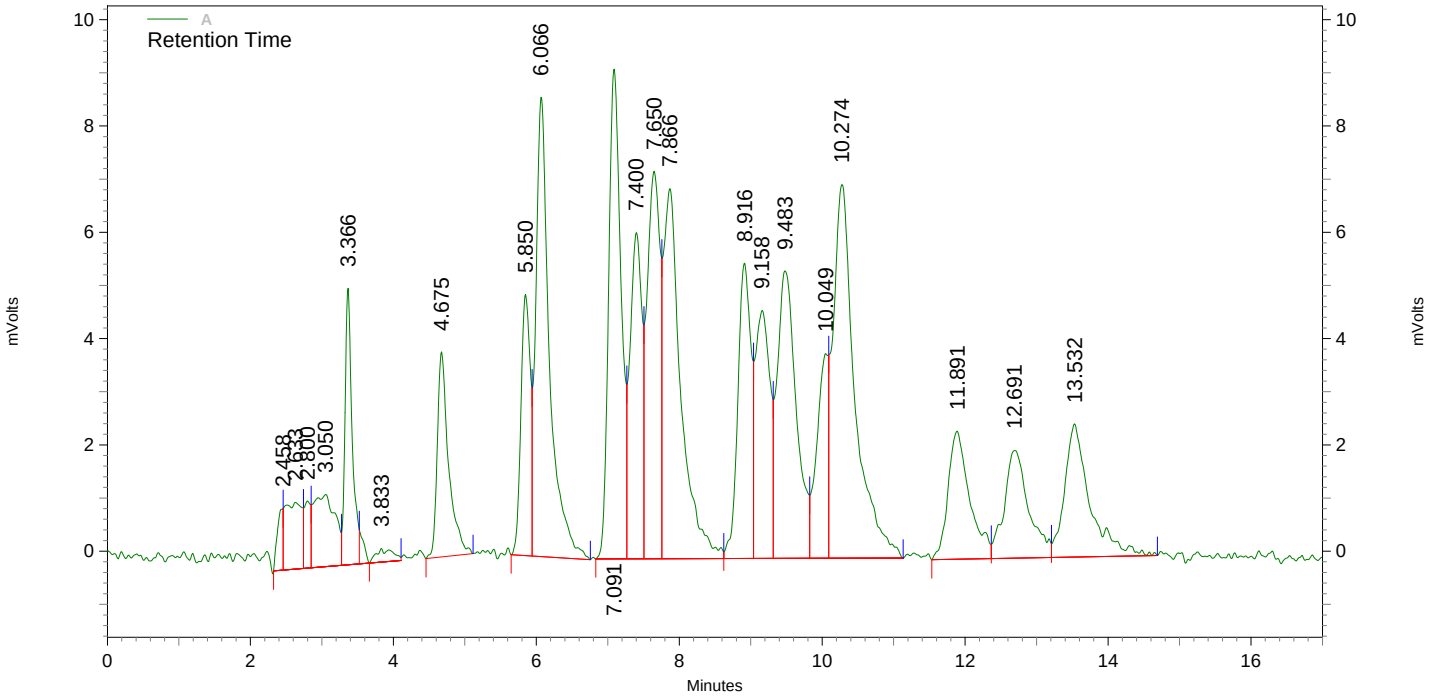
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
HMX	0.500	0.541	8.188	20.000	Passed
RDX	0.500	0.545	9.036	20.000	Passed
12-DNB (SSTD)	100.000	107.751	7.751	20.000	Passed
135-TNB	0.500	0.562	12.499	20.000	Passed
13-DNB	0.500	0.508	1.587	20.000	Passed
TETRYL	0.500	0.524	4.815	20.000	Passed
35-DNA	0.500	0.568	13.543	20.000	Passed
NB	0.500	0.520	4.000	20.000	Passed
246-TNT	0.500	0.535	6.913	20.000	Passed
4-AM-26-DNT	0.500	0.495	1.098	20.000	Passed
2-AM-46-DNT	0.500	0.541	8.156	20.000	Passed
2-NT	0.500	0.469	6.133	20.000	Passed
4-NT	0.500	0.495	0.937	20.000	Passed
3-NT	0.500	0.490	2.063	20.000	Passed

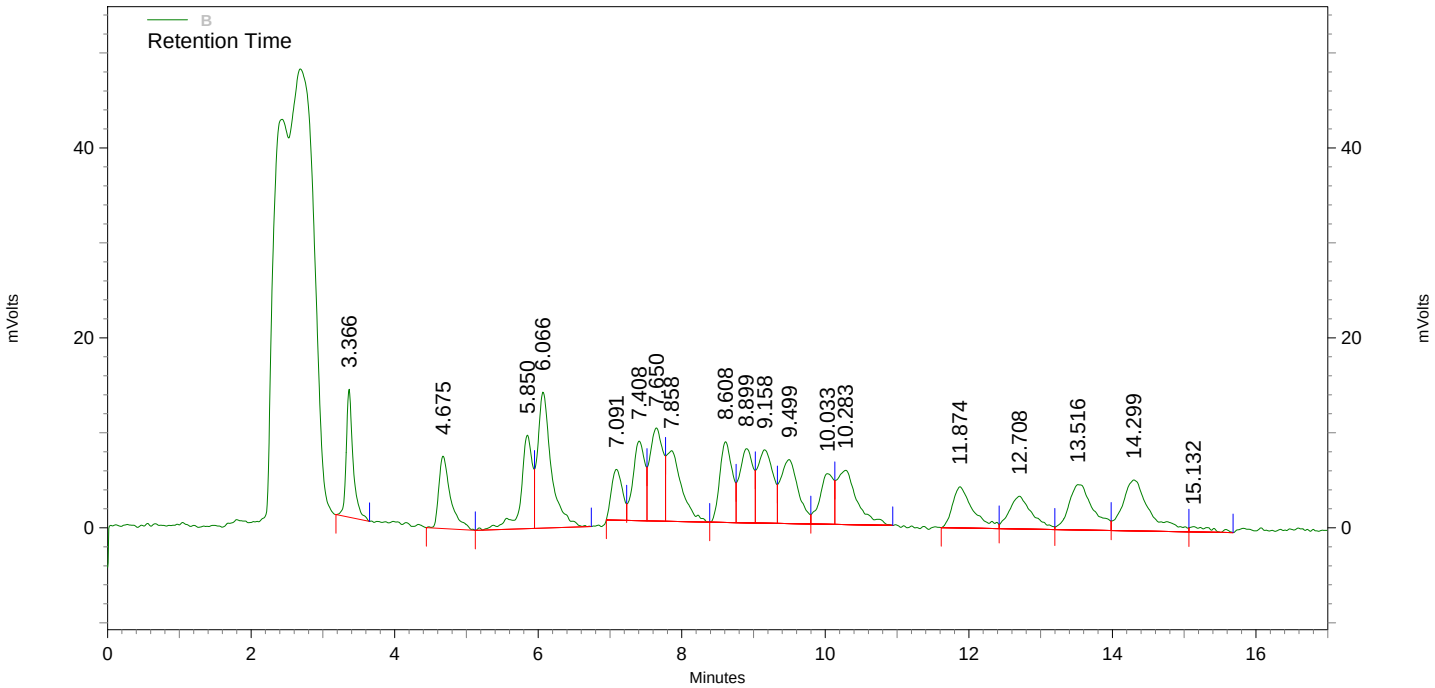
B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NG	2.000	1.818	9.097	20.000	Passed
26-DNT	0.500	0.489	2.119	20.000	Passed
24-DNT	0.500	0.541	8.105	20.000	Passed
PETN	2.000	1.694	15.277	20.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\002.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 8330 CCV EXP 5071
Acquired: Aug 27, 2013 09:30:56
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.366	36218	**0.541**
RDX	4.675	42574	**0.545**
12-DNB (SSTD)	5.850	44269	**107.751**
135-TNB	6.066	116131	**0.562**
13-DNB	7.091	110909	**0.508**
TETRYL	7.400	71455	**0.524**
35-DNA	7.650	92038	**0.568**
NB	7.866	119697	**0.520**
246-TNT	8.916	71123	**0.535**
4-AM-26-DNT	9.158	65932	**0.495**
2-AM-46-DNT	9.483	101234	**0.541**
2-NT	11.891	50547	**0.469**
4-NT	12.691	48169	**0.495**
3-NT	13.532	61174	**0.490**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.608	102615	**1.818**
26-DNT	10.033	70454	**0.489**
24-DNT	10.283	112066	**0.541**
PETN	14.299	137852	**1.694**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 2\Sequences\8330A_B\082713exp-primary.seq
User : RED
Printed : Sep 05, 2013 10:10:45

File	Sample ID	Acquired
C:\Instarch\HPLC 2\Data\082713exp-primary\015.dat	8330 CCV EXP 5071	Sep 05, 2013 10:10:45

A

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
HMX	0.500	0.568	13.567	20.000	Passed
RDX	0.500	0.571	14.298	20.000	Passed
12-DNB (SSTD)	100.000	113.197	13.197	20.000	Passed
135-TNB	0.500	0.596	19.279	20.000	Passed
13-DNB	0.500	0.554	10.862	20.000	Passed
TETRYL	0.500	0.537	7.322	20.000	Passed
35-DNA	0.500	0.626	25.194	20.000	FAILED
NB	0.500	0.528	5.521	20.000	Passed
246-TNT	0.500	0.531	6.227	20.000	Passed
4-AM-26-DNT	0.500	0.544	8.859	20.000	Passed
2-AM-46-DNT	0.500	0.593	18.678	20.000	Passed
2-NT	0.500	0.526	5.267	20.000	Passed
4-NT	0.500	0.556	11.104	20.000	Passed
3-NT	0.500	0.503	0.563	20.000	Passed

B

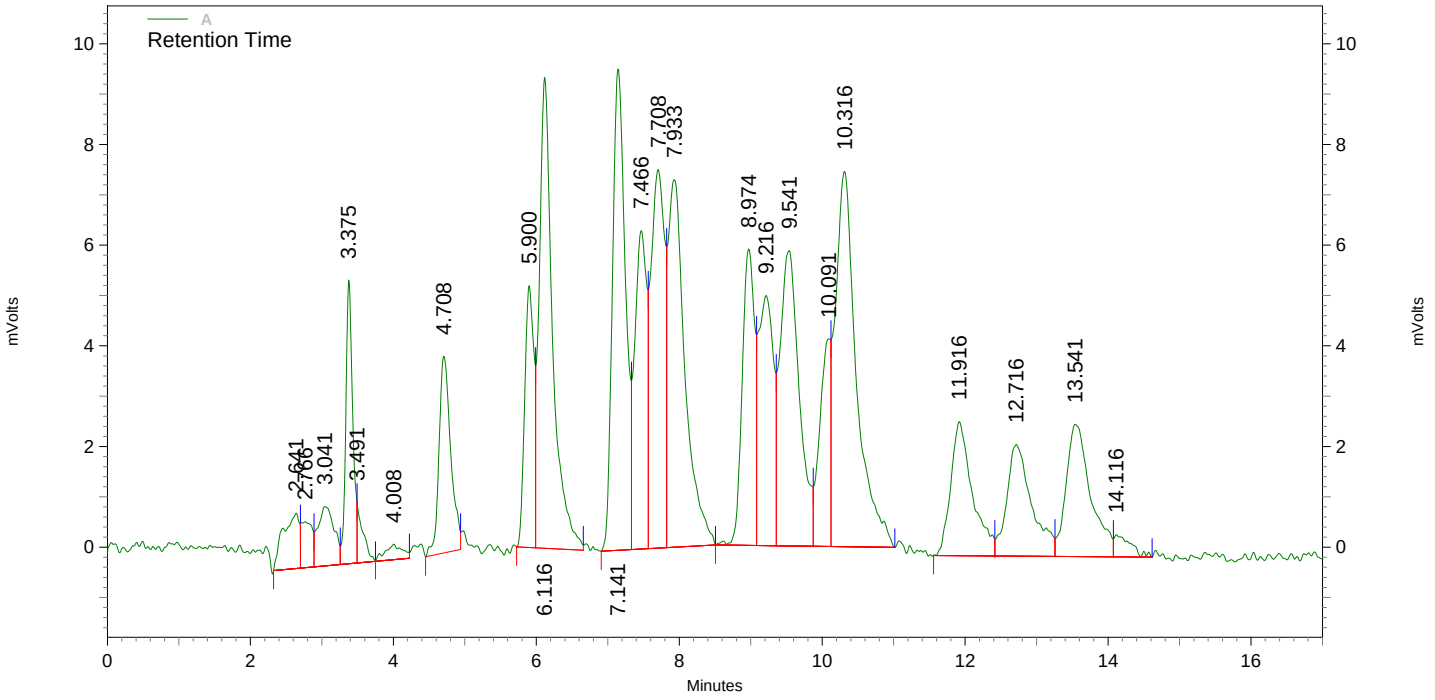
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NG	2.000	2.111	5.537	20.000	Passed
26-DNT	0.500	0.576	15.122	20.000	Passed
24-DNT	0.500	0.476	4.846	20.000	Passed
PETN	2.000	1.696	15.209	20.000	Passed

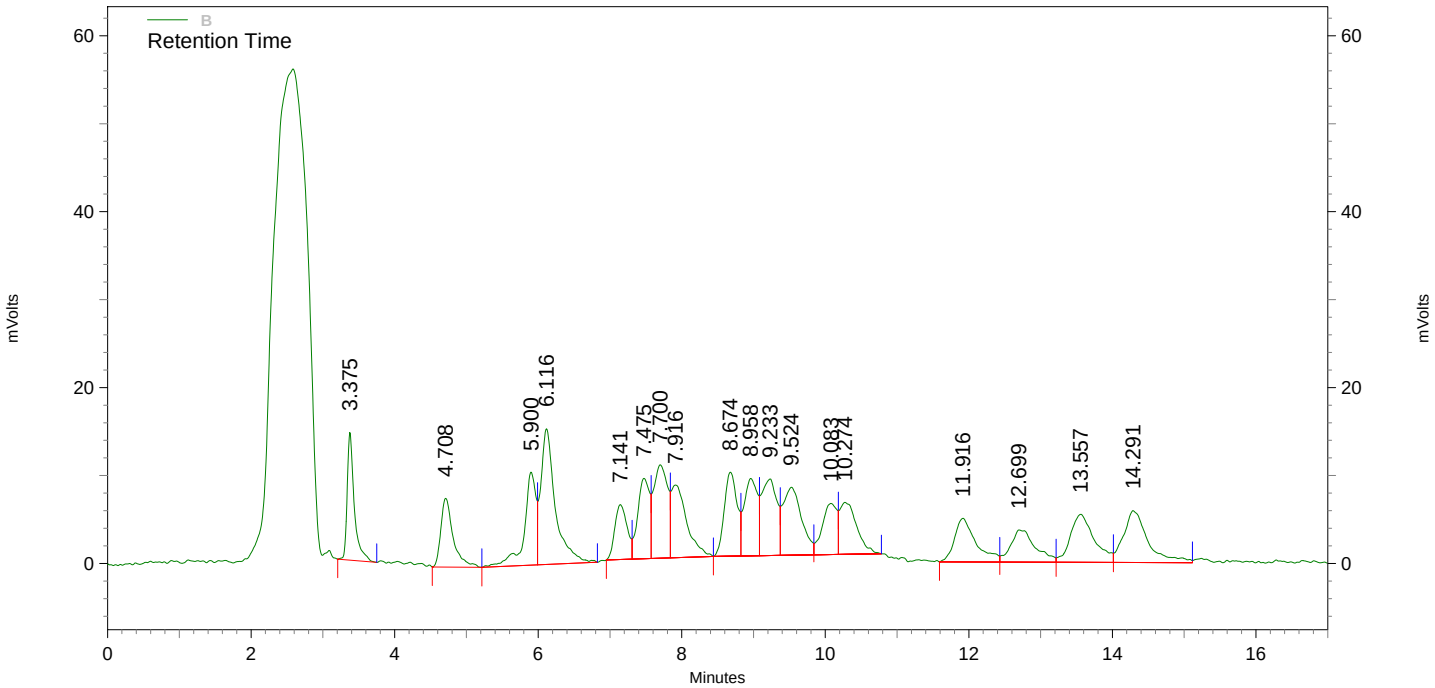
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\015.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 8330 CCV EXP 5071
Acquired: Aug 27, 2013 13:48:46
Data Summary: {Data Description}

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.375	37810	**0.568**
RDX	4.708	44575	**0.571**
12-DNB (SSTD)	5.900	46358	**113.197**
135-TNB	6.116	122861	**0.596**
13-DNB	7.141	120704	**0.554**
TETRYL	7.466	73046	**0.537**
35-DNA	7.708	101025	**0.626**
NB	7.933	121419	**0.528**
246-TNT	8.974	70688	**0.531**
4-AM-26-DNT	9.216	72173	**0.544**
2-AM-46-DNT	9.541	110608	**0.593**
2-NT	11.916	56183	**0.526**
4-NT	12.716	53739	**0.556**
3-NT	13.541	62806	**0.503**

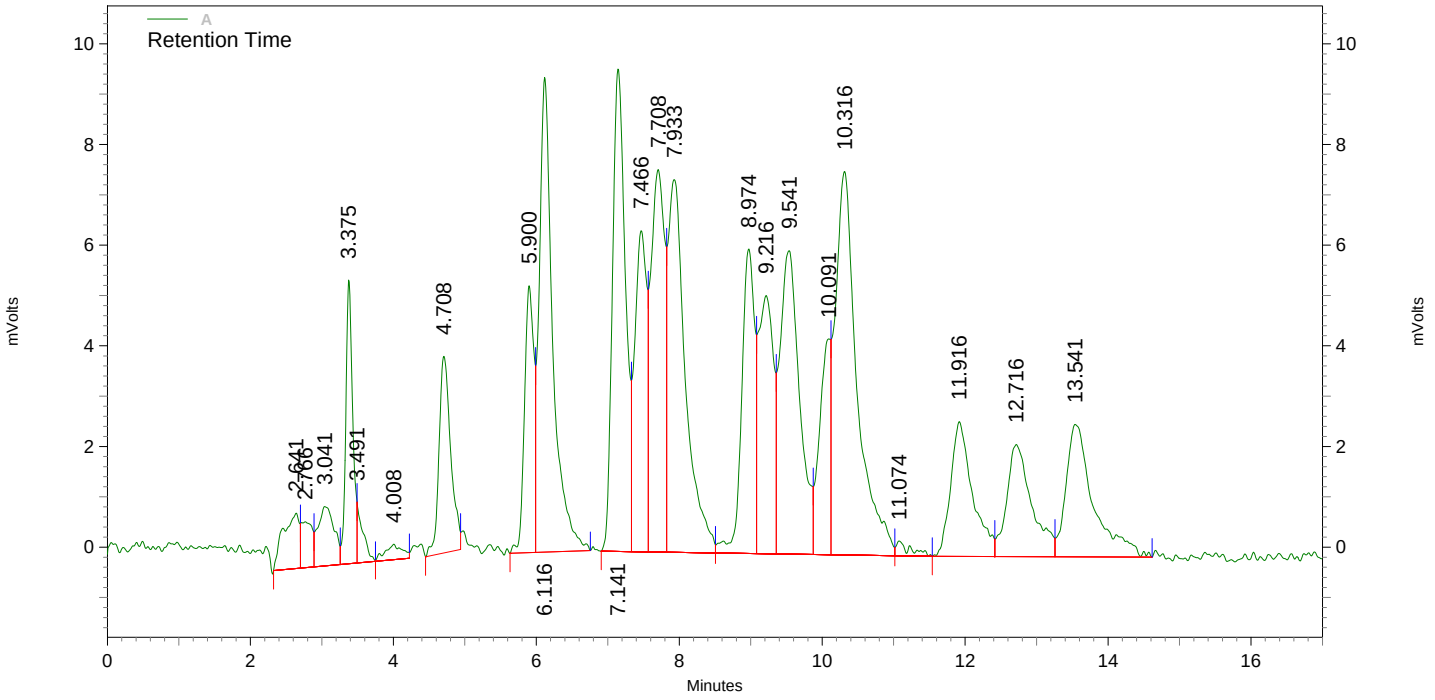
B Results

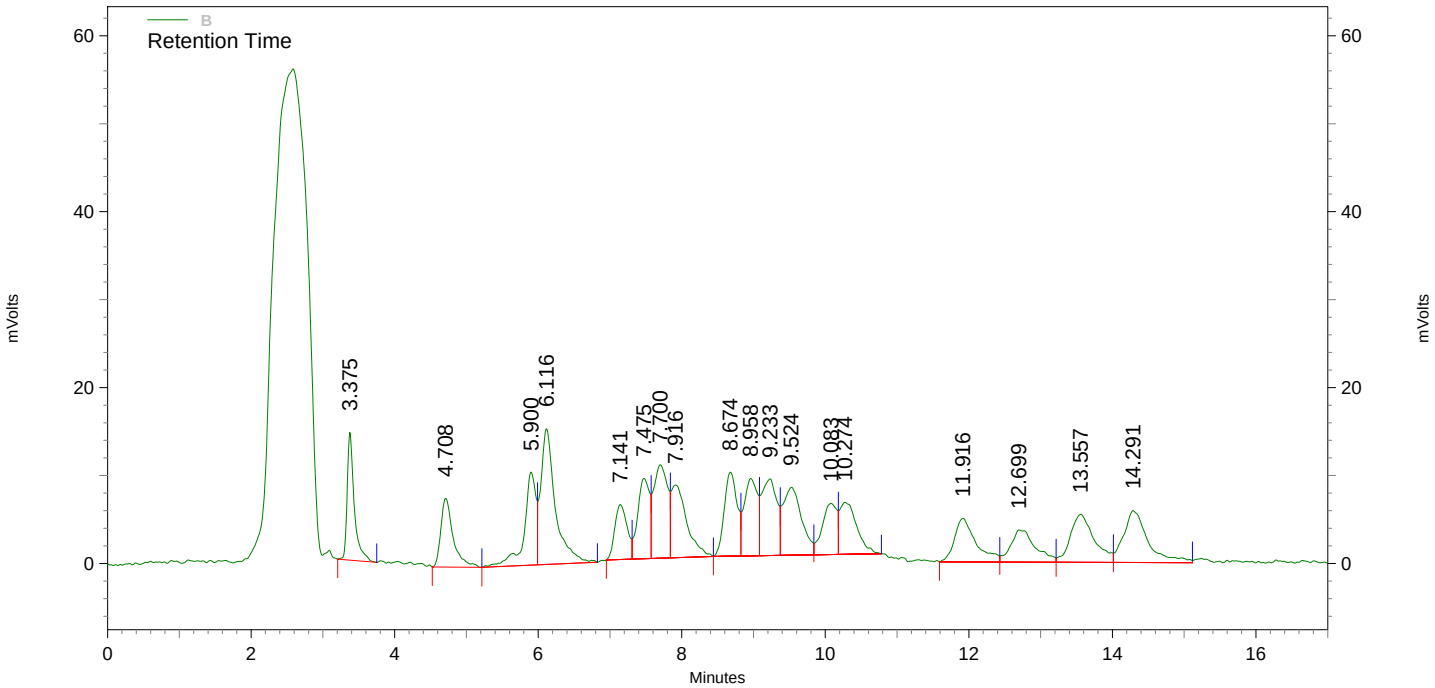
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.674	118591	**2.111**
26-DNT	10.083	82724	**0.576**
24-DNT	10.274	98484	**0.476**
PETN	14.291	137957	**1.696**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\015.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 8330 CCV EXP 5071
Acquired: Aug 27, 2013 13:48:46
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.375	37810	**0.568**
RDX	4.708	44575	**0.571**
12-DNB (SSTD)	5.900	48665	**119.212**
135-TNB	6.116	125467	**0.610**
13-DNB	7.141	121240	**0.557**
TETRYL	7.466	73795	**0.543**
35-DNA	7.708	102232	**0.634**
NB	7.933	126520	**0.550**
246-TNT	8.974	76174	**0.574**
4-AM-26-DNT	9.216	74817	**0.565**
2-AM-46-DNT	9.541	115611	**0.621**
2-NT	11.916	56903	**0.534**
4-NT	12.716	54211	**0.561**
3-NT	13.541	70276	**0.563**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.674	118591	**2.111**
26-DNT	10.083	82724	**0.576**
24-DNT	10.274	98484	**0.476**
PETN	14.291	137957	**1.696**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 2\Sequences\8330A_B\082713exp-primary.seq
User : RED
Printed : Sep 05, 2013 10:11:17

File	Sample ID	Acquired
C:\Instarch\HPLC 2\Data\082713exp-primary\026.dat	8330 CCV EXP 5071	Sep 05, 2013 10:11:17

A

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
HMX	0.500	0.522	4.478	20.000	Passed
RDX	0.500	0.589	17.795	20.000	Passed
12-DNB (SSTD)	100.000	110.342	10.342	20.000	Passed
135-TNB	0.500	0.598	19.536	20.000	Passed
13-DNB	0.500	0.567	13.472	20.000	Passed
TETRYL	0.500	0.532	6.314	20.000	Passed
35-DNA	0.500	0.548	9.505	20.000	Passed
NB	0.500	0.540	7.956	20.000	Passed
246-TNT	0.500	0.575	14.951	20.000	Passed
4-AM-26-DNT	0.500	0.518	3.578	20.000	Passed
2-AM-46-DNT	0.500	0.558	11.605	20.000	Passed
2-NT	0.500	0.517	3.412	20.000	Passed
4-NT	0.500	0.534	6.869	20.000	Passed
3-NT	0.500	0.448	10.302	20.000	Passed

B

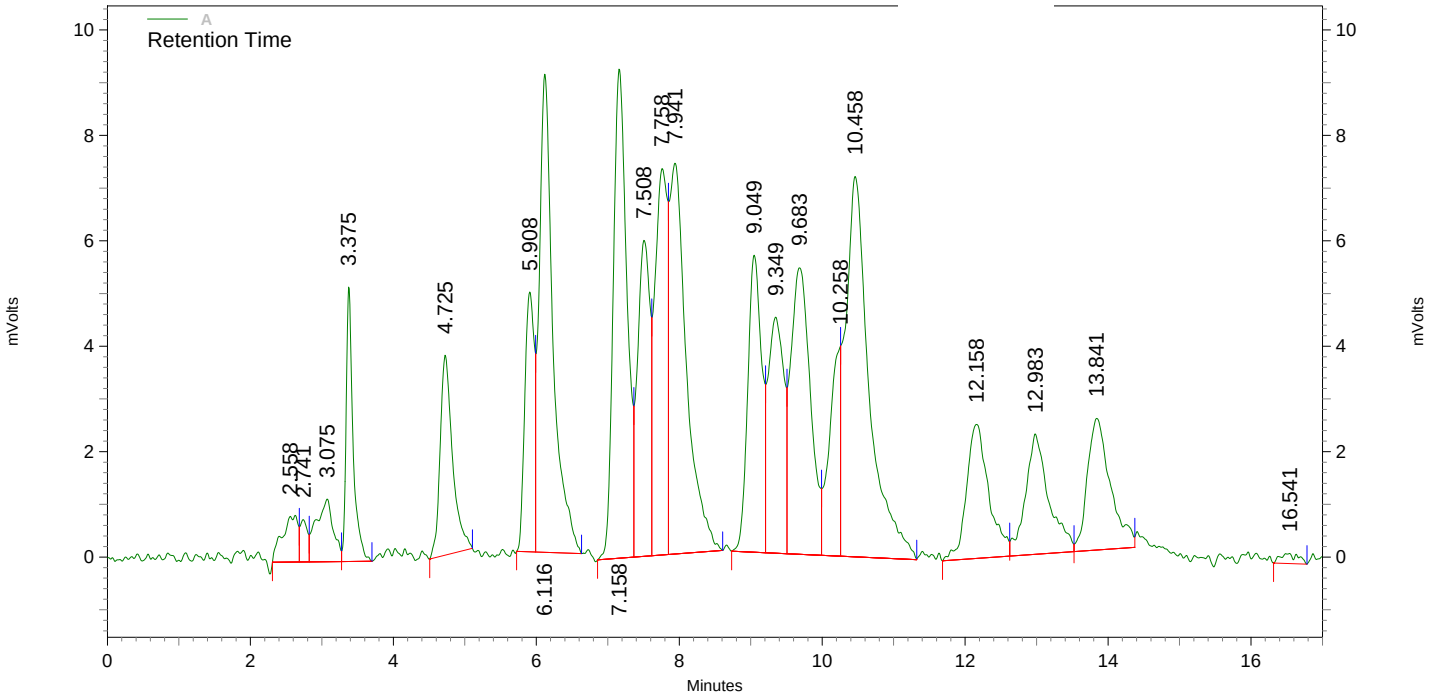
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NG	2.000	2.089	4.437	20.000	Passed
26-DNT	0.500	0.569	13.739	20.000	Passed
24-DNT	0.500	0.431	13.895	20.000	Passed
PETN	2.000	2.060	3.018	20.000	Passed

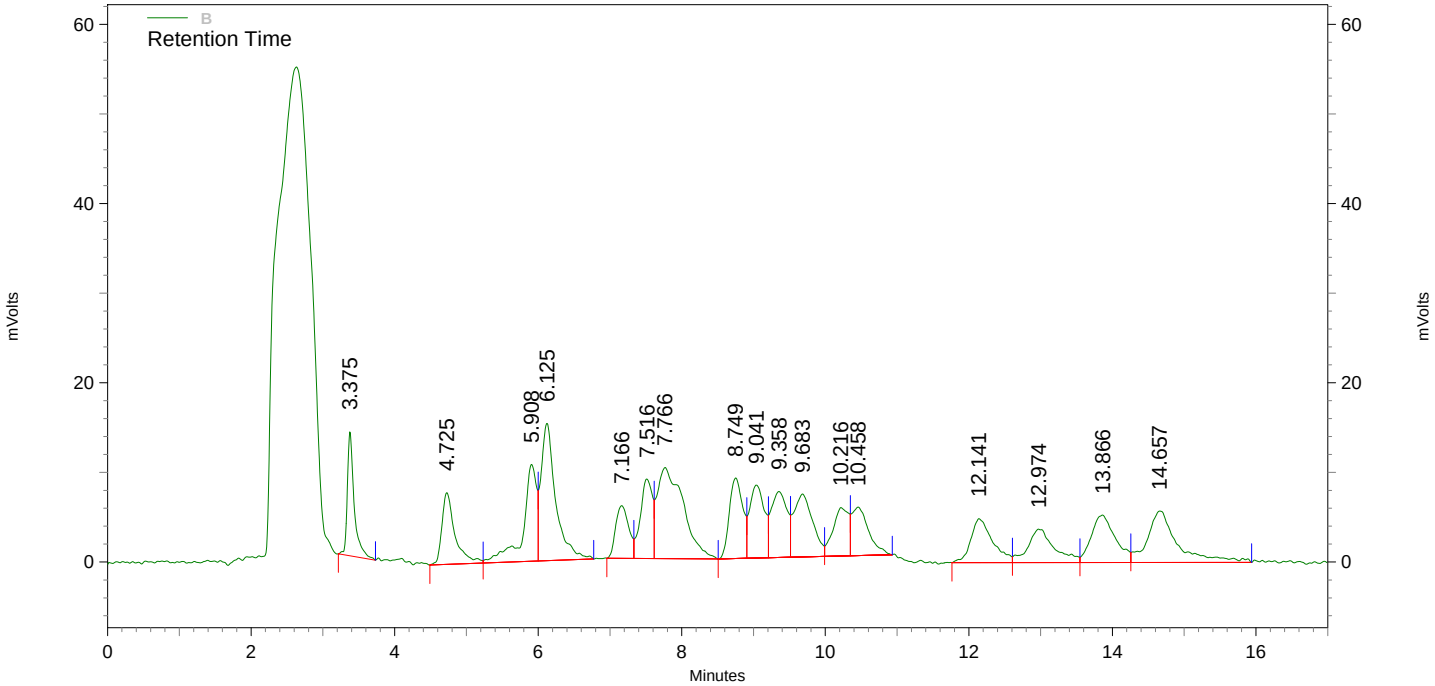
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\026.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 8330 CCV EXP 5071
Acquired: Aug 27, 2013 17:10:03
Data Summary: Reason #3,#4 applies to data. RED 8/28/2013

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.375	35120	**0.522**
RDX	4.725	45905	**0.589**
12-DNB (SSTD)	5.908	45263	**110.342**
135-TNB	6.116	123116	**0.598**
13-DNB	7.158	123460	**0.567**
TETRYL	7.508	72406	**0.532**
35-DNA	7.758	88923	**0.548**
NB	7.941	124177	**0.540**
246-TNT	9.049	76220	**0.575**
4-AM-26-DNT	9.349	68863	**0.518**
2-AM-46-DNT	9.683	104307	**0.558**
2-NT	12.158	55266	**0.517**
4-NT	12.983	51780	**0.534**
3-NT	13.841	56053	**0.448**

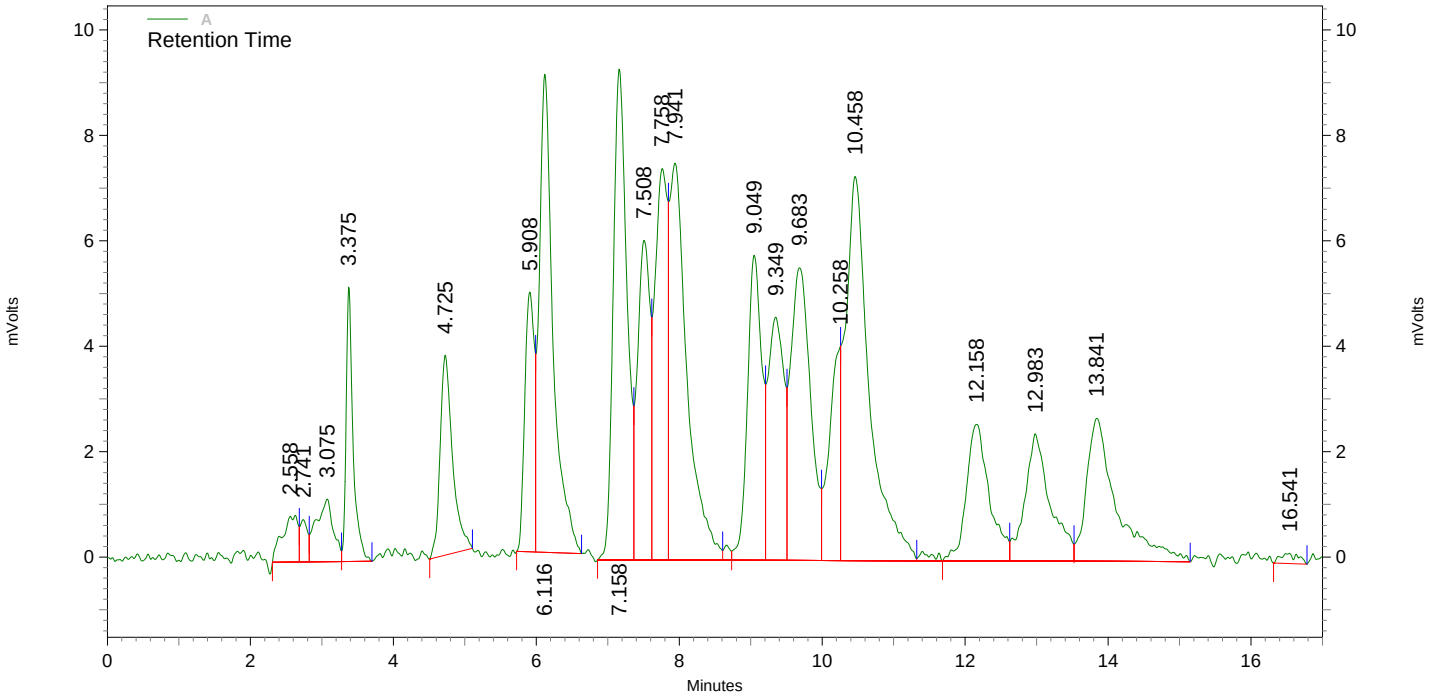
B Results

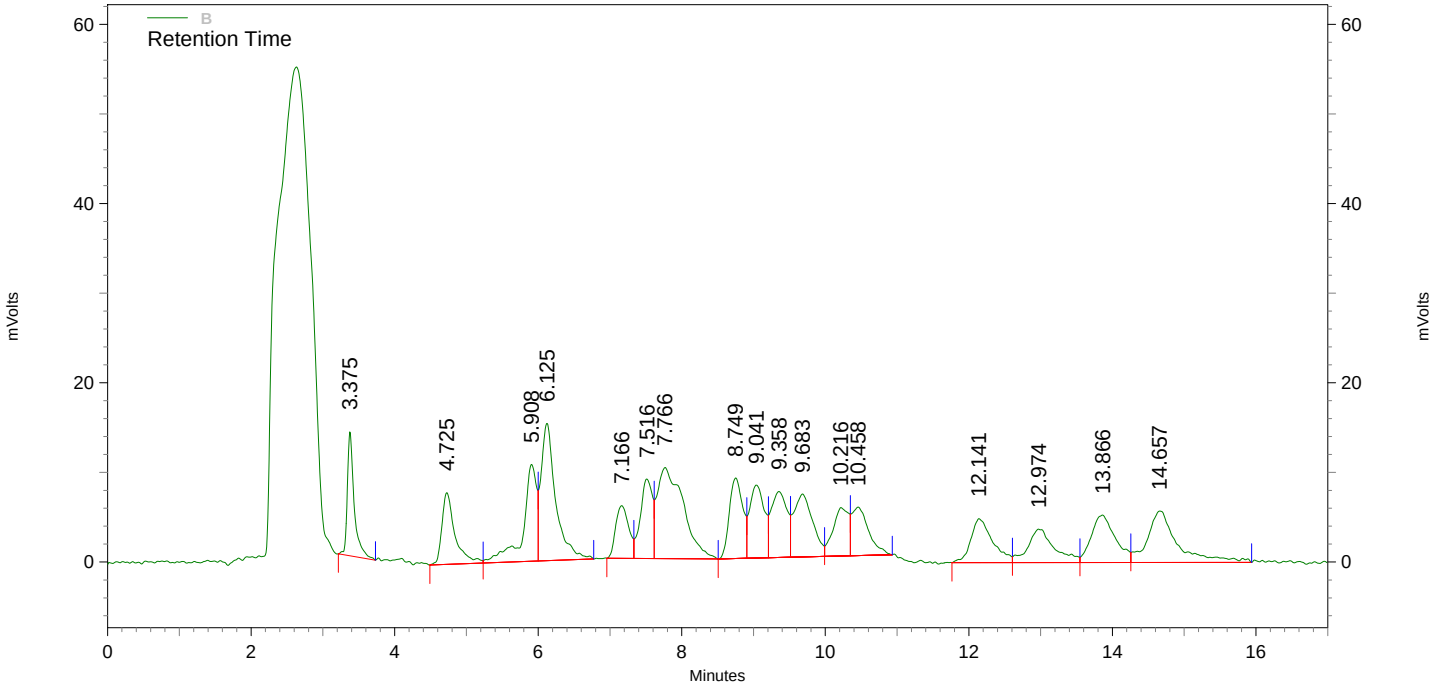
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.749	117390	**2.089**
26-DNT	10.216	81740	**0.569**
24-DNT	10.458	88994	**0.431**
PETN	14.657	166329	**2.060**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\026.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 8330 CCV EXP 5071
Acquired: Aug 27, 2013 17:10:03
Data Summary: Reason #3,#4 applies to data. RED 8/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.375	35120	**0.522**
RDX	4.725	45905	**0.589**
12-DNB (SSTD)	5.908	45263	**110.342**
135-TNB	6.116	123116	**0.598**
13-DNB	7.158	124284	**0.571**
TETRYL	7.508	73416	**0.540**
35-DNA	7.758	90225	**0.556**
NB	7.941	130805	**0.569**
246-TNT	9.049	80713	**0.610**
4-AM-26-DNT	9.349	71296	**0.537**
2-AM-46-DNT	9.683	107568	**0.576**
2-NT	12.158	57907	**0.544**
4-NT	12.983	59217	**0.615**
3-NT	13.841	79597	**0.638**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.749	117390	**2.089**
26-DNT	10.216	81740	**0.569**
24-DNT	10.458	88994	**0.431**
PETN	14.657	166329	**2.060**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 2\Sequences\8330A_B\082713exp-primary.seq
User : RED
Printed : Sep 05, 2013 10:11:51

File	Sample ID	Acquired
C:\Instarch\HPLC 2\Data\082713exp-primary\036.dat	8330 CCV EXP 5071	Sep 05, 2013 10:11:50

A

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
HMX	0.500	0.567	13.321	20.000	Passed
RDX	0.500	0.539	7.840	20.000	Passed
12-DNB (SSTD)	100.000	116.062	16.062	20.000	Passed
135-TNB	0.500	0.597	19.356	20.000	Passed
13-DNB	0.500	0.551	10.273	20.000	Passed
TETRYL	0.500	0.545	8.995	20.000	Passed
35-DNA	0.500	0.563	12.588	20.000	Passed
NB	0.500	0.578	15.644	20.000	Passed
246-TNT	0.500	0.595	19.050	20.000	Passed
4-AM-26-DNT	0.500	0.550	10.030	20.000	Passed
2-AM-46-DNT	0.500	0.562	12.405	20.000	Passed
2-NT	0.500	0.503	0.542	20.000	Passed
4-NT	0.500	0.444	11.219	20.000	Passed
3-NT	0.500	0.428	14.358	20.000	Passed

B

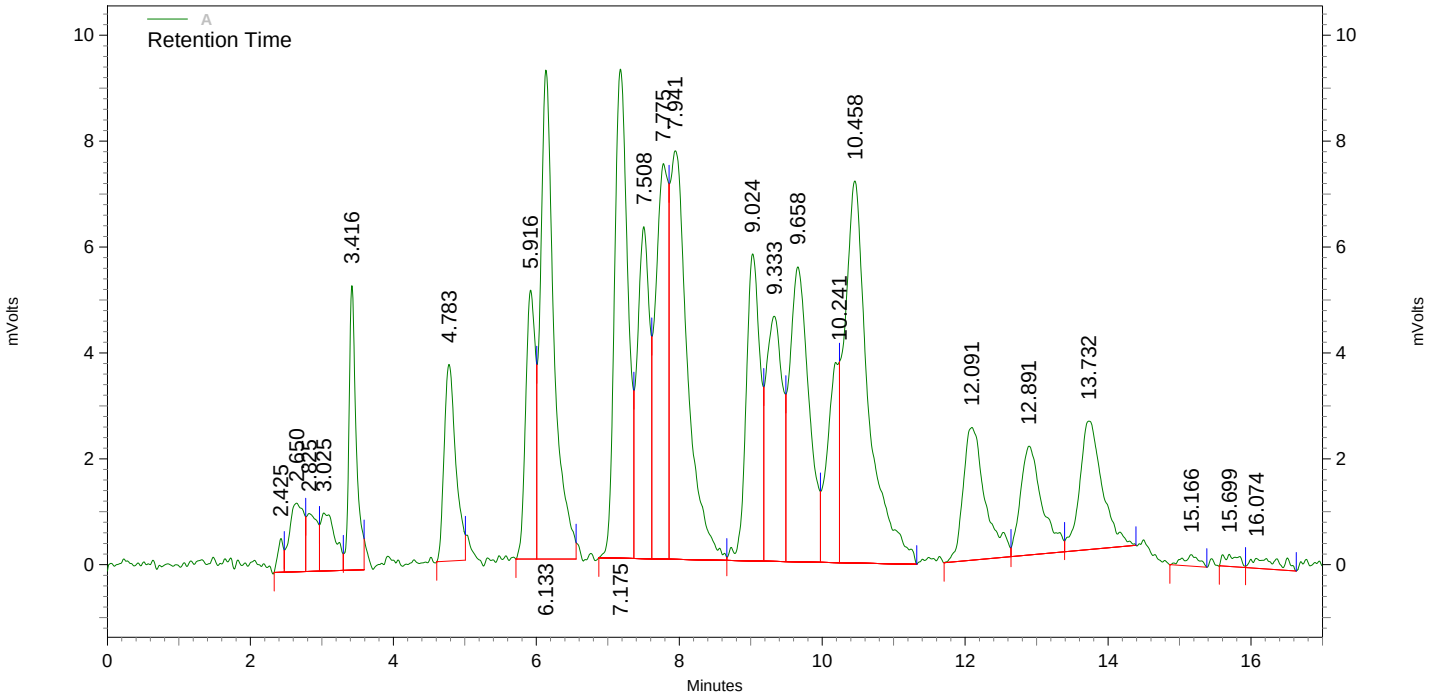
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NG	2.000	1.933	3.354	20.000	Passed
26-DNT	0.500	0.473	5.420	20.000	Passed
24-DNT	0.500	0.419	16.200	20.000	Passed
PETN	2.000	1.678	16.079	20.000	Passed

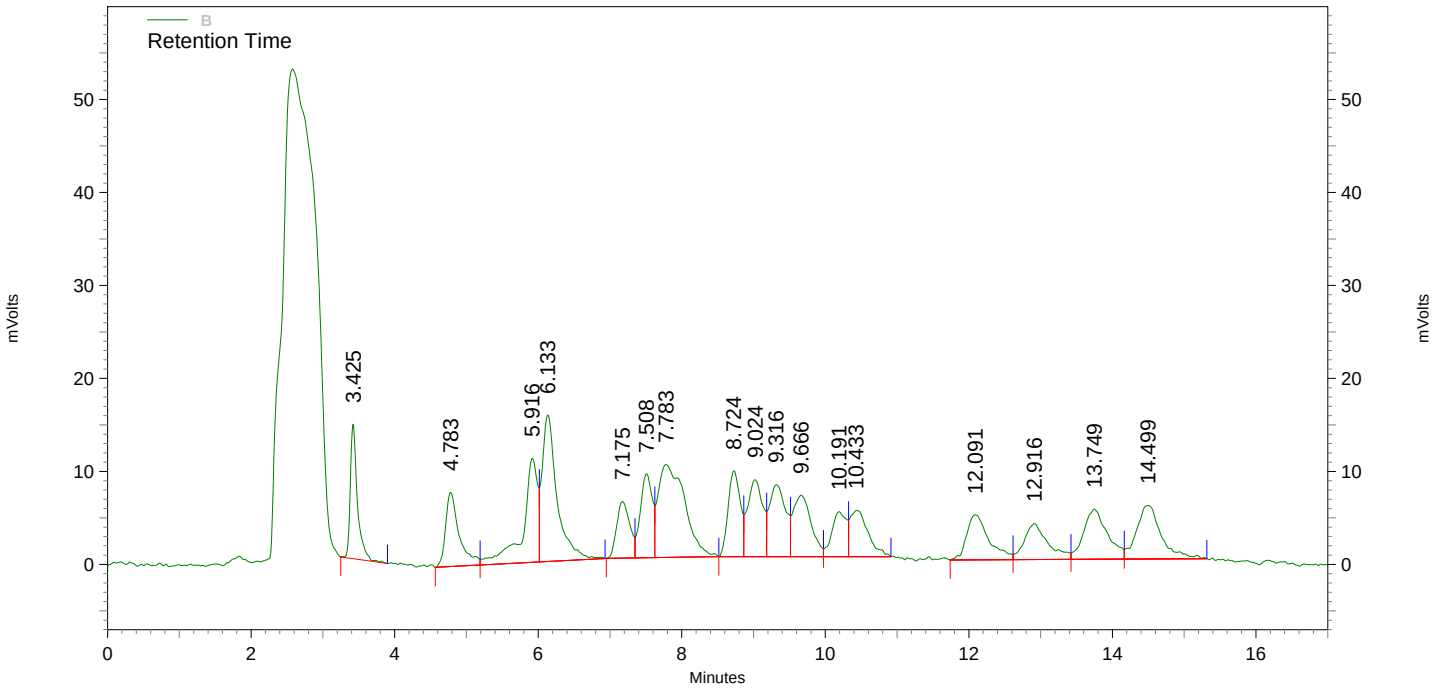
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\036.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 8330 CCV EXP 5071
Acquired: Aug 27, 2013 20:12:59
Data Summary: Reason #3,#4 applies to data. RED 8/28/2013

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.416	37737	**0.567**
RDX	4.783	42119	**0.539**
12-DNB (SSTD)	5.916	47457	**116.062**
135-TNB	6.133	122938	**0.597**
13-DNB	7.175	120082	**0.551**
TETRYL	7.508	74107	**0.545**
35-DNA	7.775	91301	**0.563**
NB	7.941	132884	**0.578**
246-TNT	9.024	78819	**0.595**
4-AM-26-DNT	9.333	72907	**0.550**
2-AM-46-DNT	9.658	105020	**0.562**
2-NT	12.091	53847	**0.503**
4-NT	12.891	43413	**0.444**
3-NT	13.732	53532	**0.428**

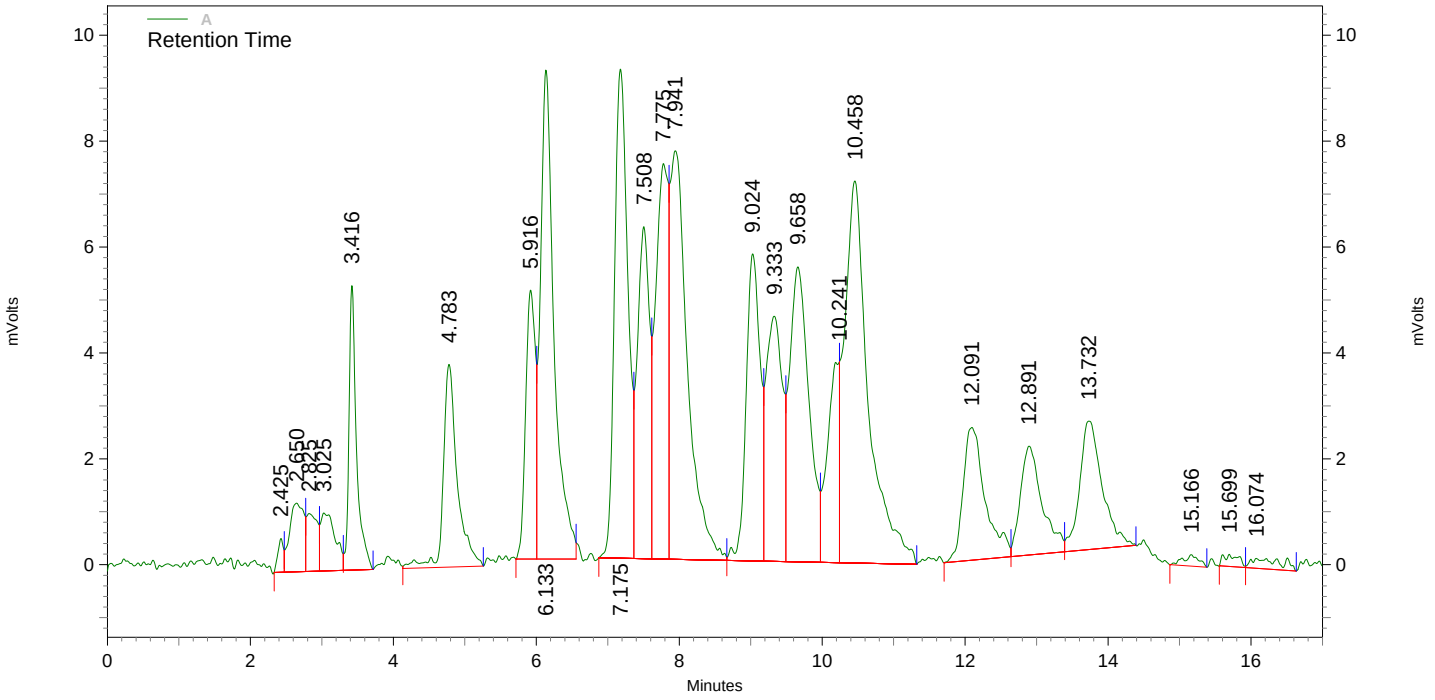
B Results

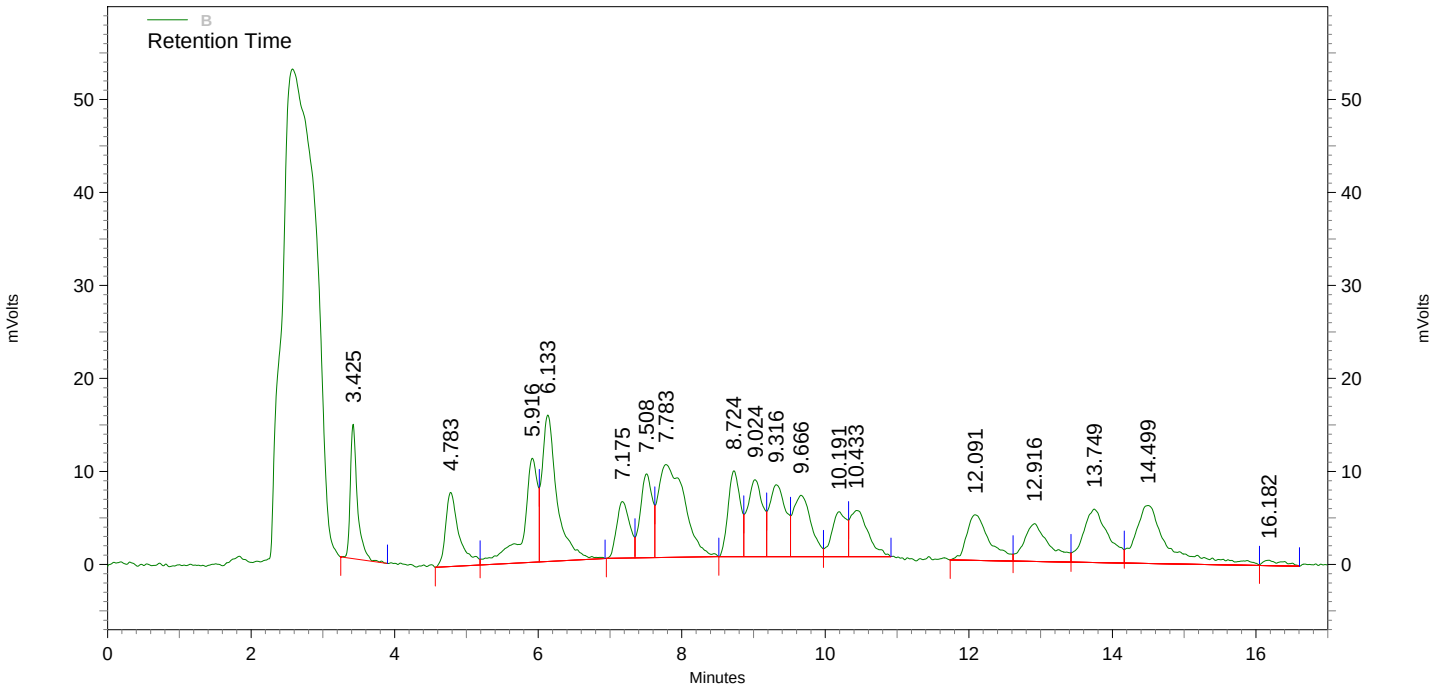
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.724	108885	**1.933**
26-DNT	10.191	68105	**0.473**
24-DNT	10.433	86576	**0.419**
PETN	14.499	136603	**1.678**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\036.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 8330 CCV EXP 5071
Acquired: Aug 27, 2013 20:12:59
Data Summary: Reason #3,#4 applies to data. RED 8/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.416	39593	**0.598**
RDX	4.783	52031	**0.670**
12-DNB (SSTD)	5.916	47457	**116.062**
135-TNB	6.133	122938	**0.597**
13-DNB	7.175	120082	**0.551**
TETRYL	7.508	74107	**0.545**
35-DNA	7.775	91301	**0.563**
NB	7.941	132884	**0.578**
246-TNT	9.024	78819	**0.595**
4-AM-26-DNT	9.333	72907	**0.550**
2-AM-46-DNT	9.658	105020	**0.562**
2-NT	12.091	53847	**0.503**
4-NT	12.891	43413	**0.444**
3-NT	13.732	53532	**0.428**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.724	108885	**1.933**
26-DNT	10.191	68105	**0.473**
24-DNT	10.433	86576	**0.419**
PETN	14.499	193158	**2.405**

QC Check Standard Report

09/05/2013

Sequence : C:\Instarch\HPLC 1\Sequence\NQ\082813NQ-primary.seq
User : RED
Printed : Aug 29, 2013 09:50:09

File	Sample ID	Acquired
C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\002.dat	NQ CCV EXP 5072	Aug 29, 2013 09:50:08

A

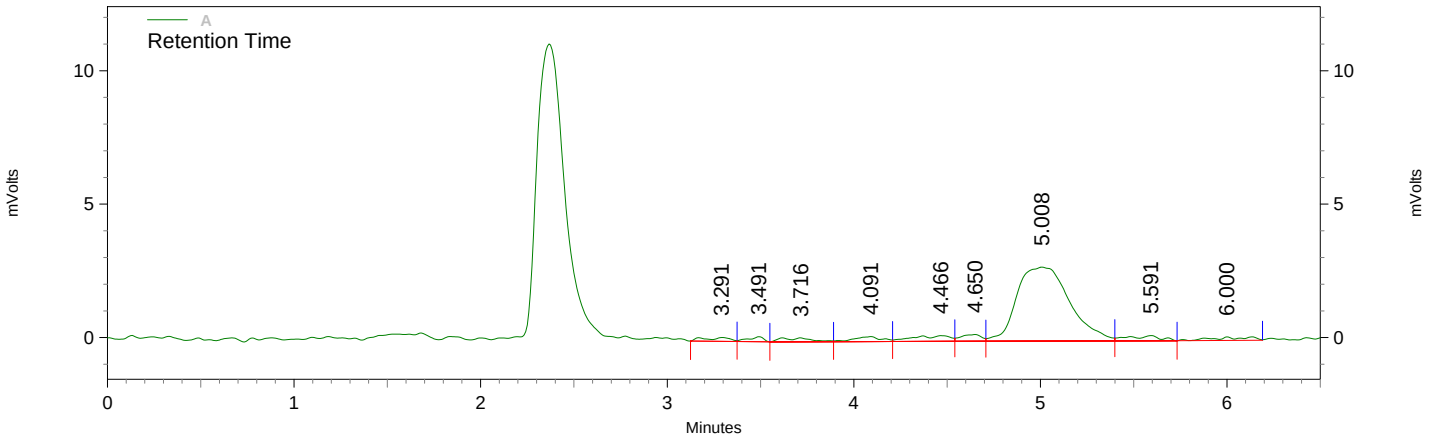
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
12-DNB (SSTD)	100.000	111.308	11.308	20.000	Passed

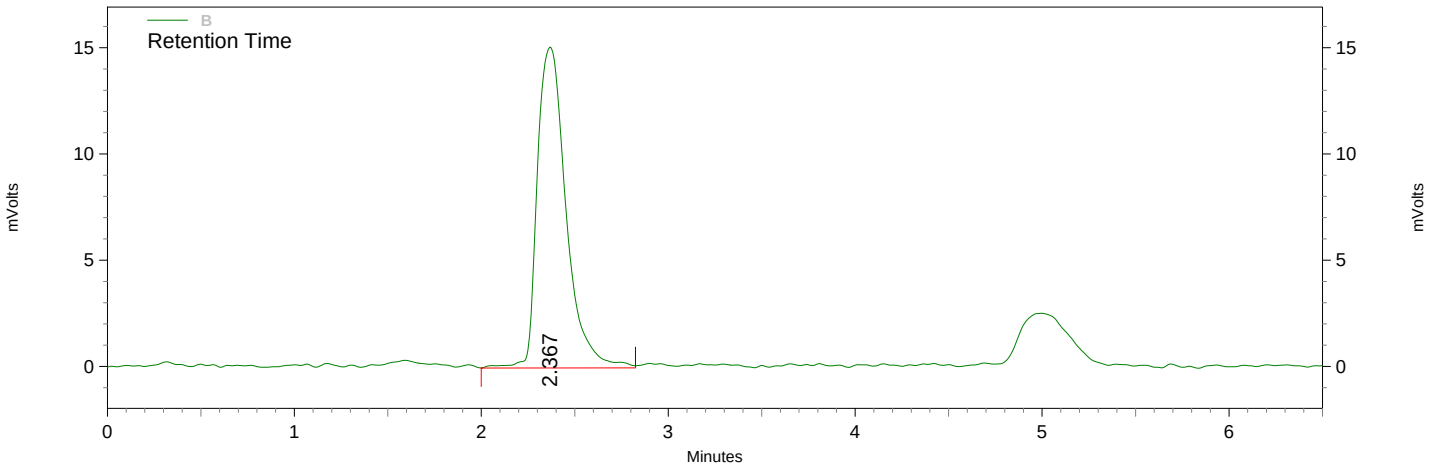
B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NQ	0.500	0.438	12.499	20.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\002.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: NQ CCV EXP 5072
Acquired: Aug 28, 2013 09:55:10
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.008	54397	**111.308**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.367	161954	**0.438**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 1\Sequence\NQ\082813NQ-primary.seq
User : RED
Printed : Aug 29, 2013 09:50:41

File	Sample ID	Acquired
C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\015.dat	NQ CCV EXP 5072	Aug 29, 2013 09:50:41

A

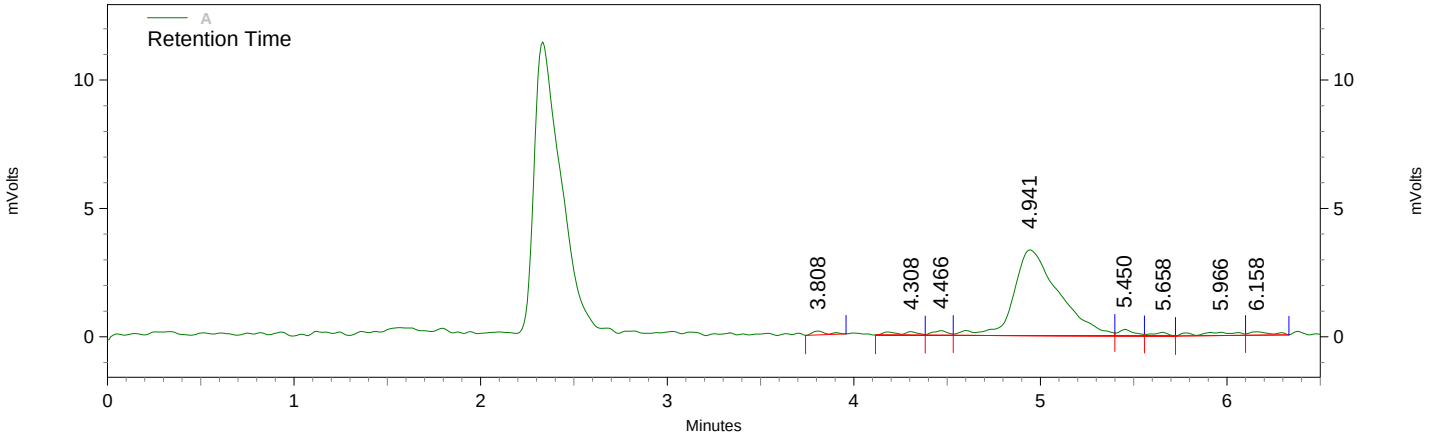
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
12-DNB (SSTD)	100.000	114.014	14.014	20.000	Passed

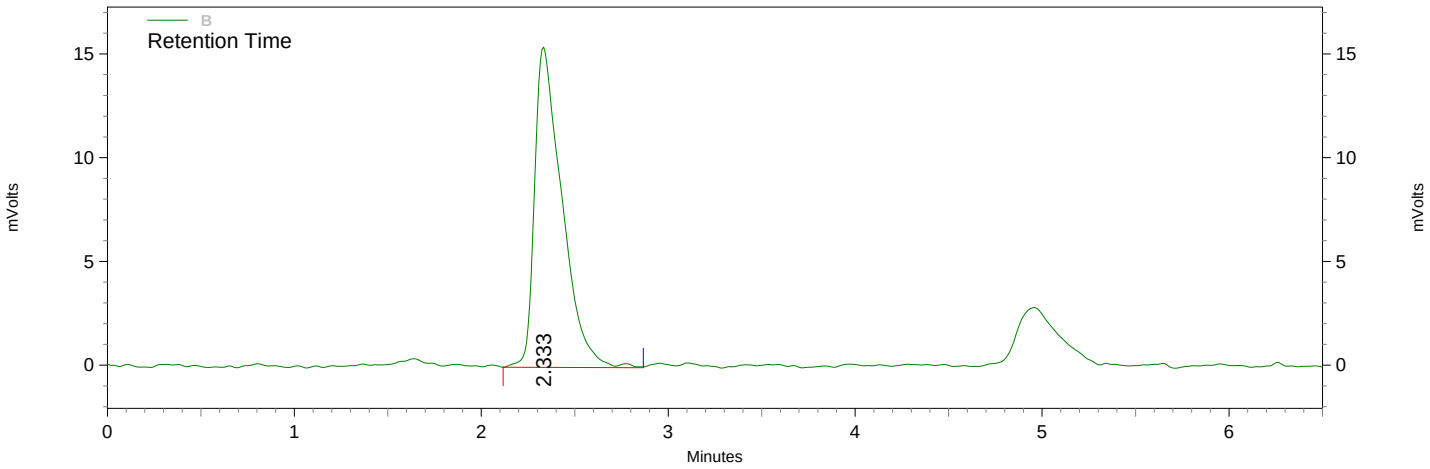
B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NQ	0.500	0.426	14.789	20.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\015.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: NQ CCV EXP 5072
Acquired: Aug 28, 2013 11:41:44
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.941	55702	**114.014**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.333	157919	**0.426**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 1\Sequence\NQ\082813NQ-primary.seq
User : RED
Printed : Aug 29, 2013 09:51:09

File	Sample ID	Acquired
C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\026.dat	NQ CCV EXP 5072	Aug 29, 2013 09:51:08

A

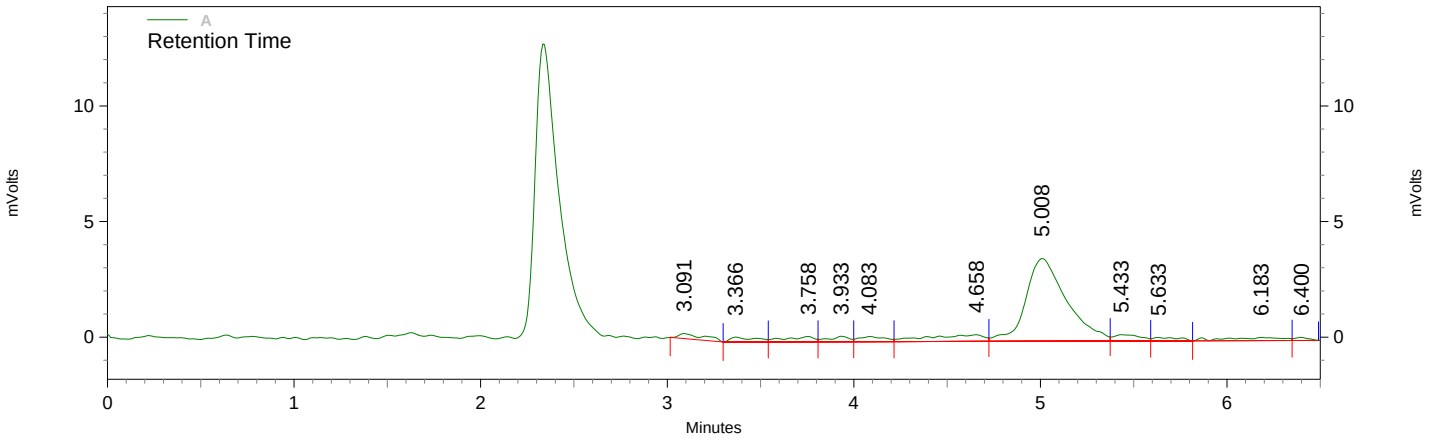
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
12-DNB (SSTD)	100.000	110.880	10.880	20.000	Passed

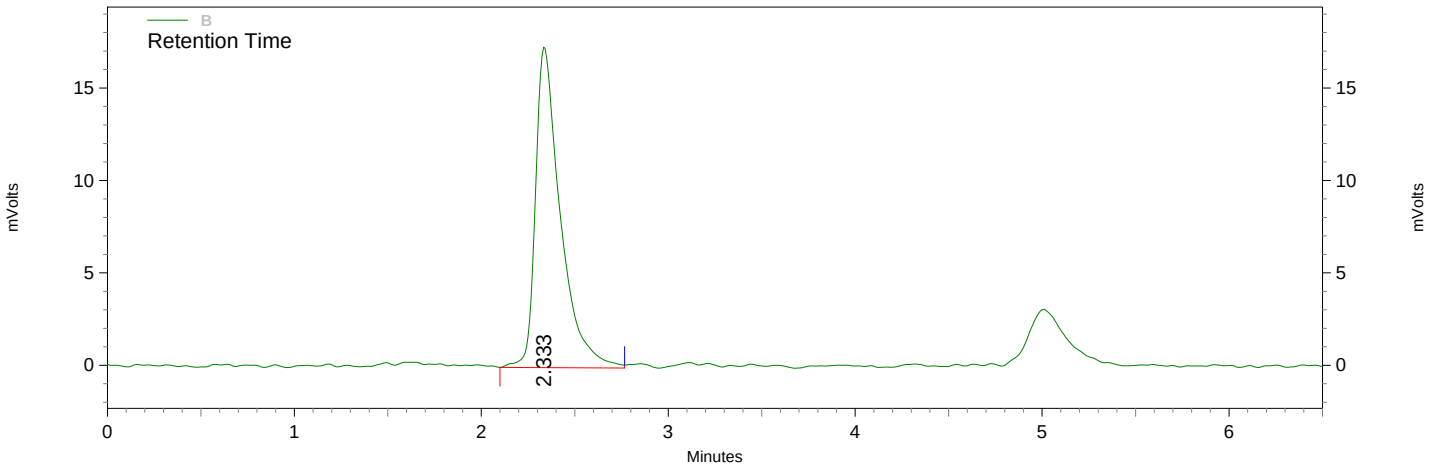
B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NQ	0.500	0.435	13.022	20.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\026.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: NQ CCV EXP 5072
Acquired: Aug 28, 2013 13:11:51
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.008	54191	**110.880**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.333	161032	**0.435**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 1\Sequence\NQ\082813NQ-primary.seq
User : RED
Printed : Aug 29, 2013 09:52:05

File	Sample ID	Acquired
C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\048.dat	NQ CCV EXP 5072	Aug 29, 2013 09:52:05

A

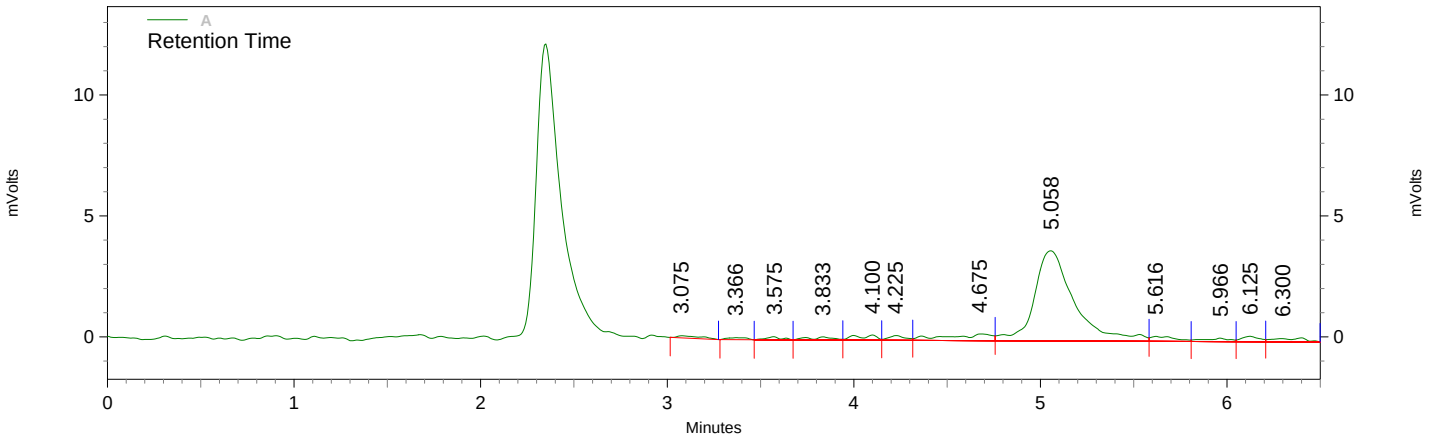
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
12-DNB (SSTD)	100.000	112.975	12.975	20.000	Passed

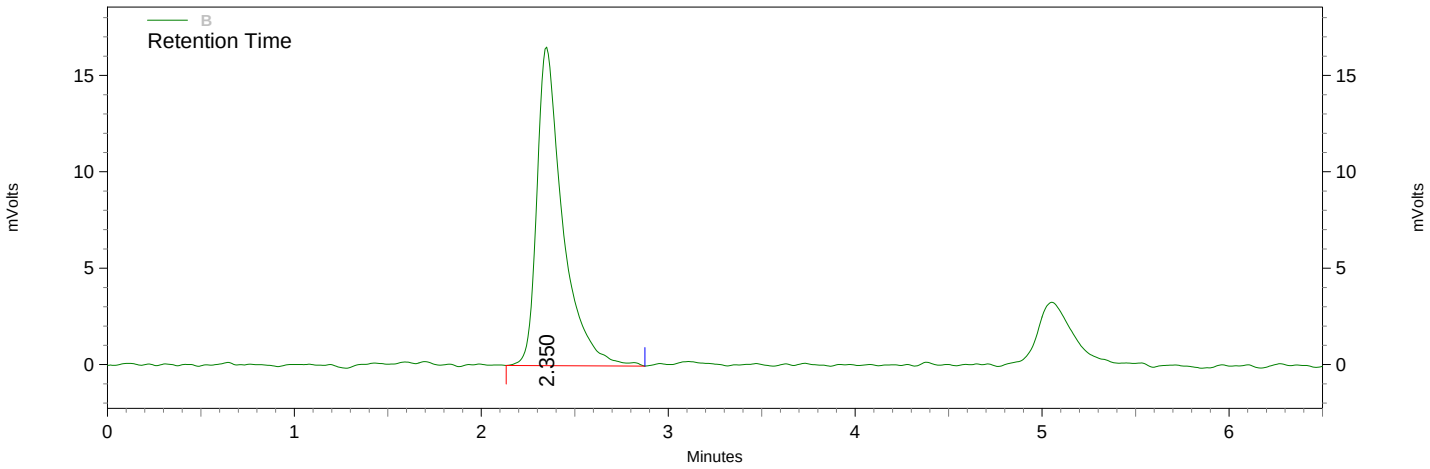
B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NQ	0.500	0.427	14.595	20.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\048.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: NQ CCV EXP 5072
Acquired: Aug 28, 2013 16:12:01
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.058	55201	**112.975**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.350	158260	**0.427**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 1\Sequence\NQ\082813NQ-primary.seq
User : RED
Printed : Aug 29, 2013 09:52:35

File	Sample ID	Acquired
C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\060.dat	NQ CCV EXP 5072	Aug 29, 2013 09:52:35

A

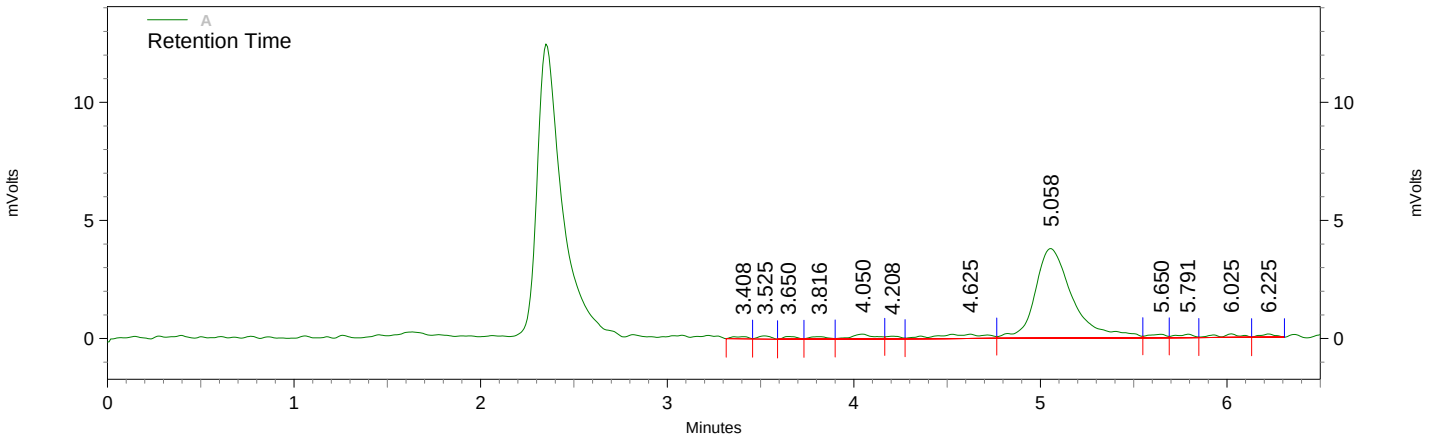
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
12-DNB (SSTD)	100.000	107.616	7.616	20.000	Passed

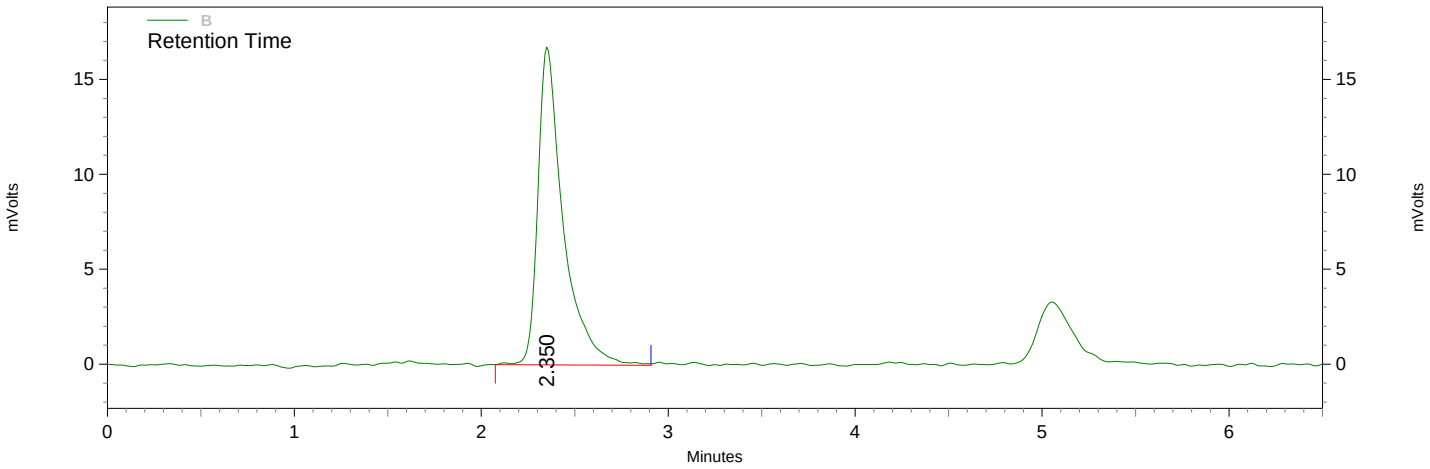
B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NQ	0.500	0.425	14.960	20.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\060.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: NQ CCV EXP 5072
Acquired: Aug 28, 2013 17:50:16
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.058	52617	**107.616**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.350	157618	**0.425**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 1\Sequence\NQ\082913NQ-confirm.seq
User : RED
Printed : Sep 05, 2013 10:27:41

File	Sample ID	Acquired
C:\Instarch\HPLC 1\Data\NQ\082913nq-confirm\002.dat	NQ CCV EXP 5072	Sep 05, 2013 10:27:41

A

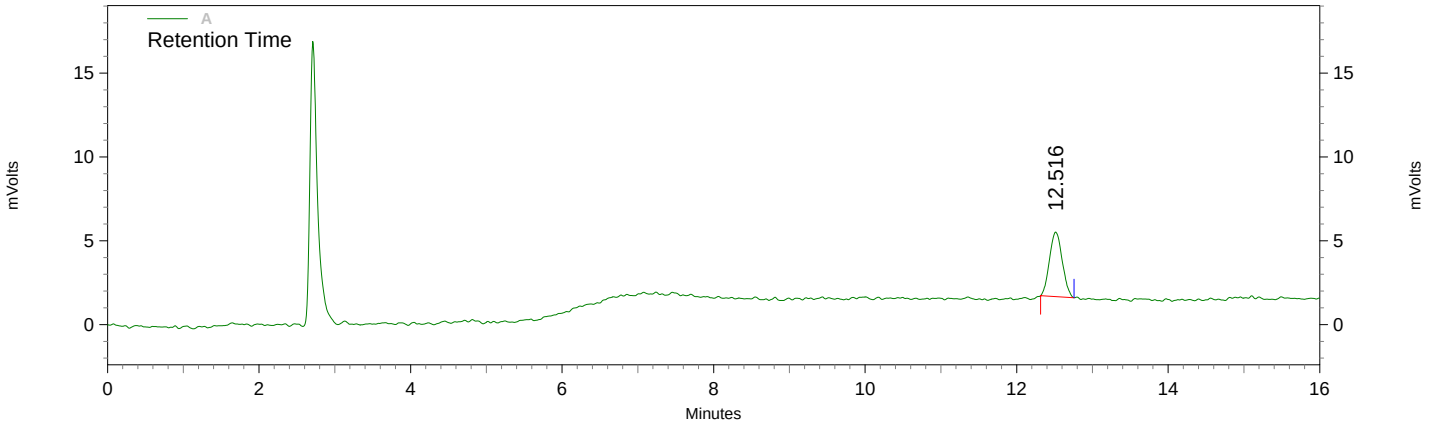
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
12-DNB (SSTD)	100.000	110.785	10.785	20.000	Passed

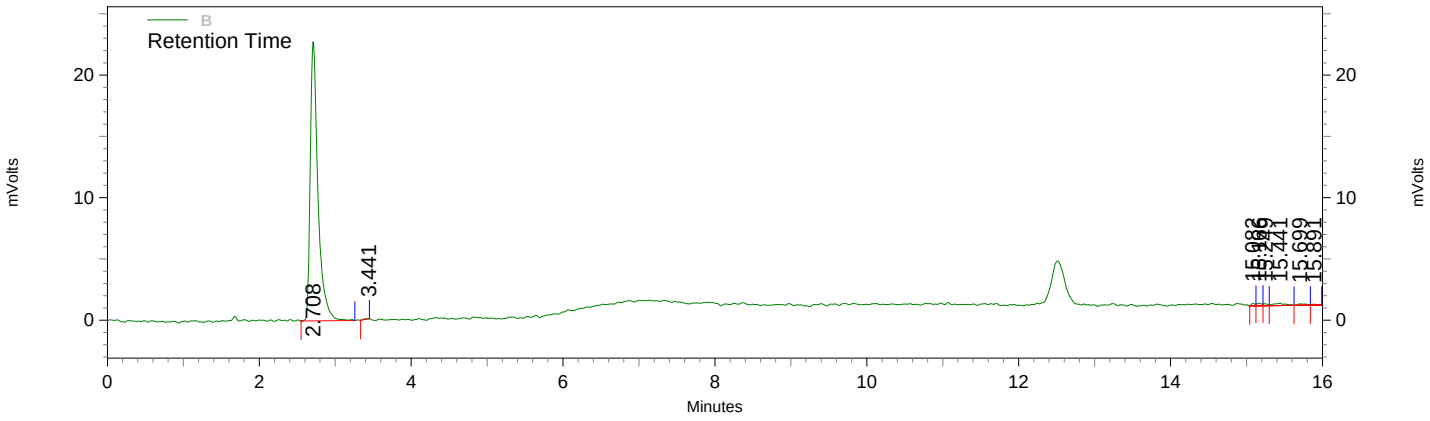
B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NQ	0.500	0.500	0.025	20.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082913nq-confirm\002.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\082913NQ-confirm.met
User ID: **RED**
Sample ID: NQ CCV EXP 5072
Acquired: Aug 29, 2013 10:37:11
Data summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	12.516	45076	**110.785**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.708	160977	**0.500**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 1\Sequence\NQ\082913NQ-confirm.seq
User : RED
Printed : Sep 05, 2013 10:28:08

File	Sample ID	Acquired
C:\Instarch\HPLC 1\Data\NQ\082913nq-confirm\009.dat	NQ CCV EXP 5072	Sep 05, 2013 10:28:08

A

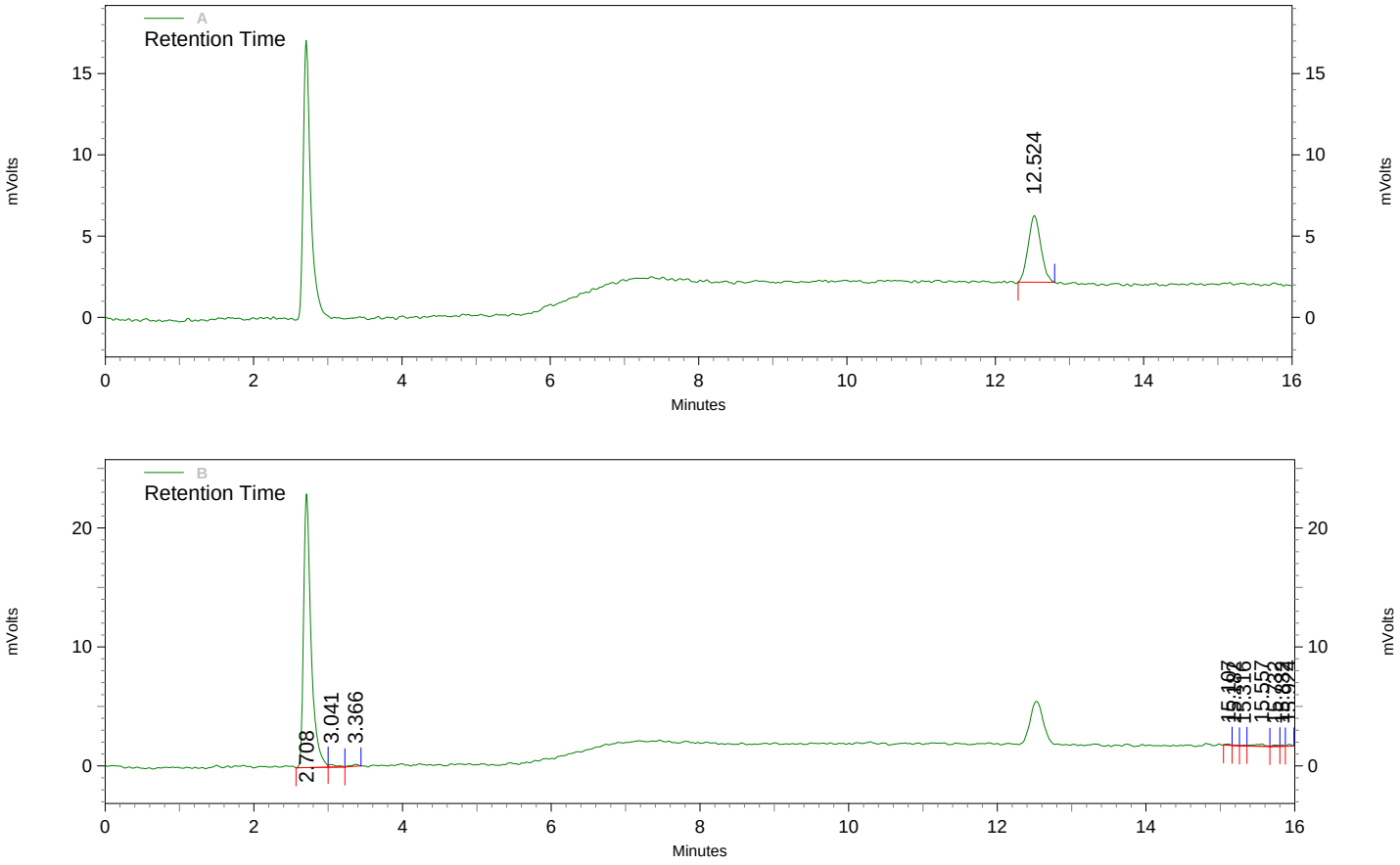
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
12-DNB (SSTD)	100.000	119.773	19.773	20.000	Passed

B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NQ	0.500	0.500	0.086	20.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082913nq-confirm\009.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\082913NQ-confirm.met
User ID: **RED**
Sample ID: NQ CCV EXP 5072
Acquired: Aug 29, 2013 12:37:31
Data summary: {Data Description}



A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	12.524	48709	**119.773**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.708	160884	**0.500**

NITROAROMATICS ANALYSIS
QUALITY CONTROL
DOCUMENTS

QC Check Standard Report

RED
09/05/2013

Sequence : C:\Instarch\HPLC 2\Sequences\8330A_B\082713exp-primary.seq
User : RED
Printed : Sep 05, 2013 10:10:11

File	Sample ID	Acquired
C:\Instarch\HPLC 2\Data\082713exp-primary\003.dat	8330 MRL check EXP 5069	Sep 05, 2013 10:10:11

A

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
HMX	0.100	0.071	29.443	30.000	Passed
RDX	0.100	0.078	21.832	30.000	Passed
12-DNB (SSTD)	20.000	13.063	34.685	30.000	FAILED
135-TNB	0.100	0.091	9.093	30.000	Passed
13-DNB	0.100	0.078	22.017	30.000	Passed
TETRYL	0.100	0.072	27.571	30.000	Passed
35-DNA	0.100	0.100	0.102	30.000	Passed
NB	0.100	0.093	7.036	30.000	Passed
246-TNT	0.100	0.095	5.479	30.000	Passed
4-AM-26-DNT	0.100	0.068	32.276	30.000	FAILED
2-AM-46-DNT	0.100	0.082	18.475	30.000	Passed
2-NT	0.100	0.057	42.526	30.000	FAILED
4-NT	0.100	0.096	3.846	30.000	Passed
3-NT	0.100	0.085	15.281	30.000	Passed

B

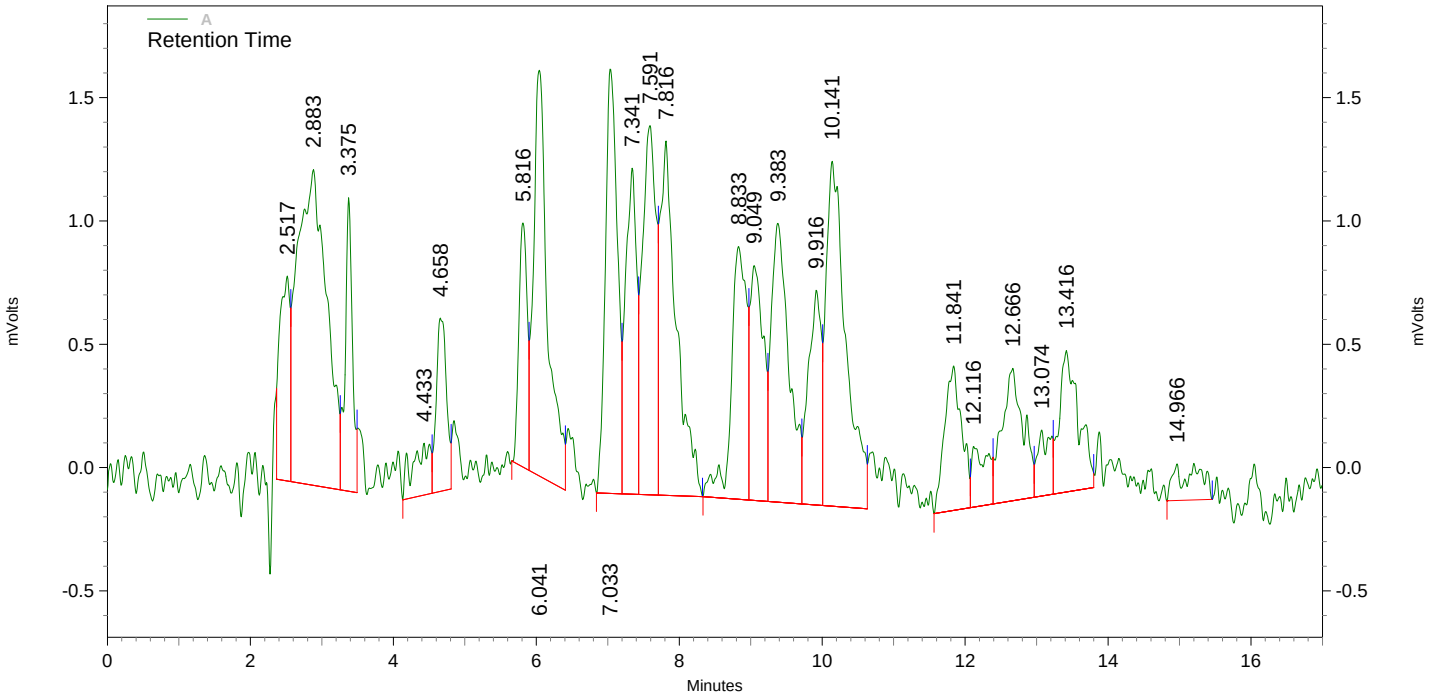
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NG	0.400	0.404	1.124	30.000	Passed
26-DNT	0.100	0.156	55.855	30.000	FAILED
24-DNT	0.100	0.124	24.386	30.000	Passed
PETN	0.400	0.376	6.121	30.000	Passed

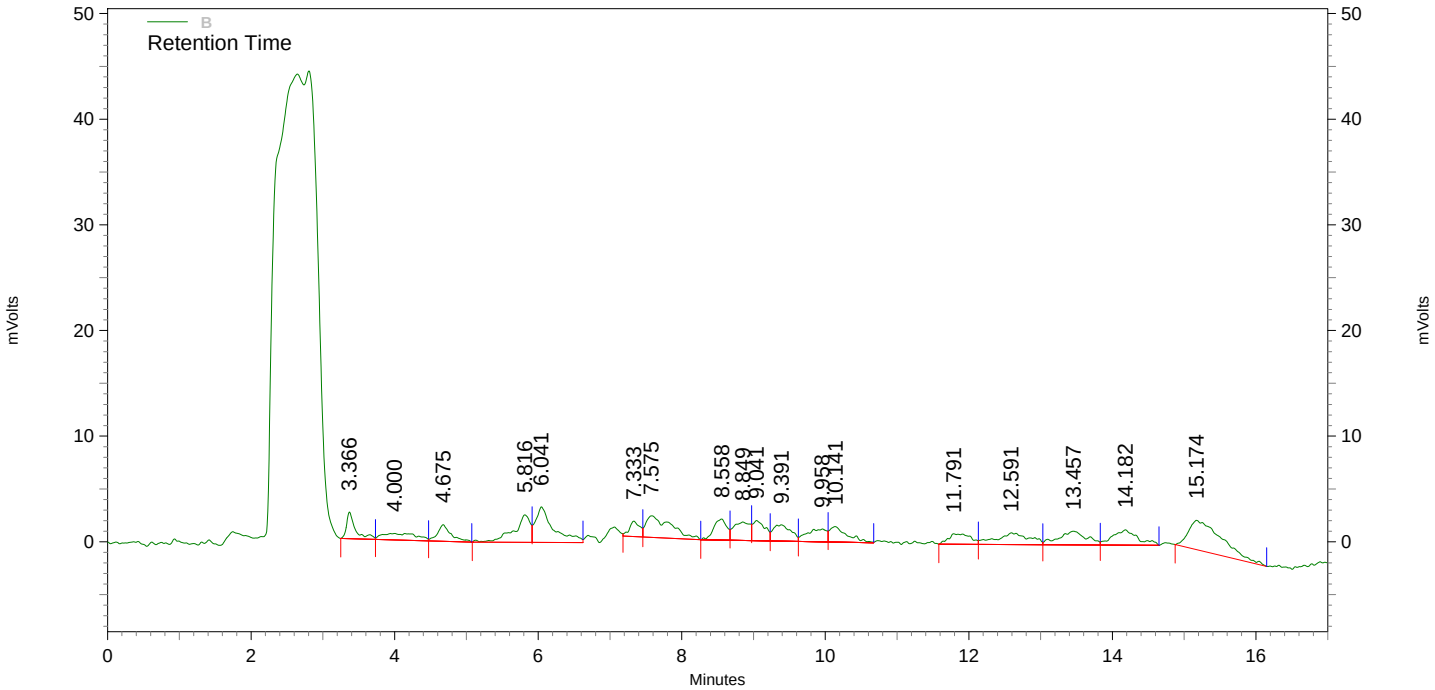
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\003.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 8330 MRL check EXP 5069
Acquired: Aug 27, 2013 09:49:14
Data Summary: Reason #3, #4 applies to data. RED 8/27/2013

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.375	8375	**0.071**
RDX	4.658	7054	**0.078**
12-DNB (SSTD)	5.816	7949	**13.063**
135-TNB	6.041	22510	**0.091**
13-DNB	7.033	20099	**0.078**
TETRYL	7.341	14144	**0.072**
35-DNA	7.591	19896	**0.100**
NB	7.816	22967	**0.093**
246-TNT	8.833	15320	**0.095**
4-AM-26-DNT	9.049	12427	**0.068**
2-AM-46-DNT	9.383	19406	**0.082**
2-NT	11.841	9824	**0.057**
4-NT	12.666	11241	**0.096**
3-NT	13.416	10834	**0.085**

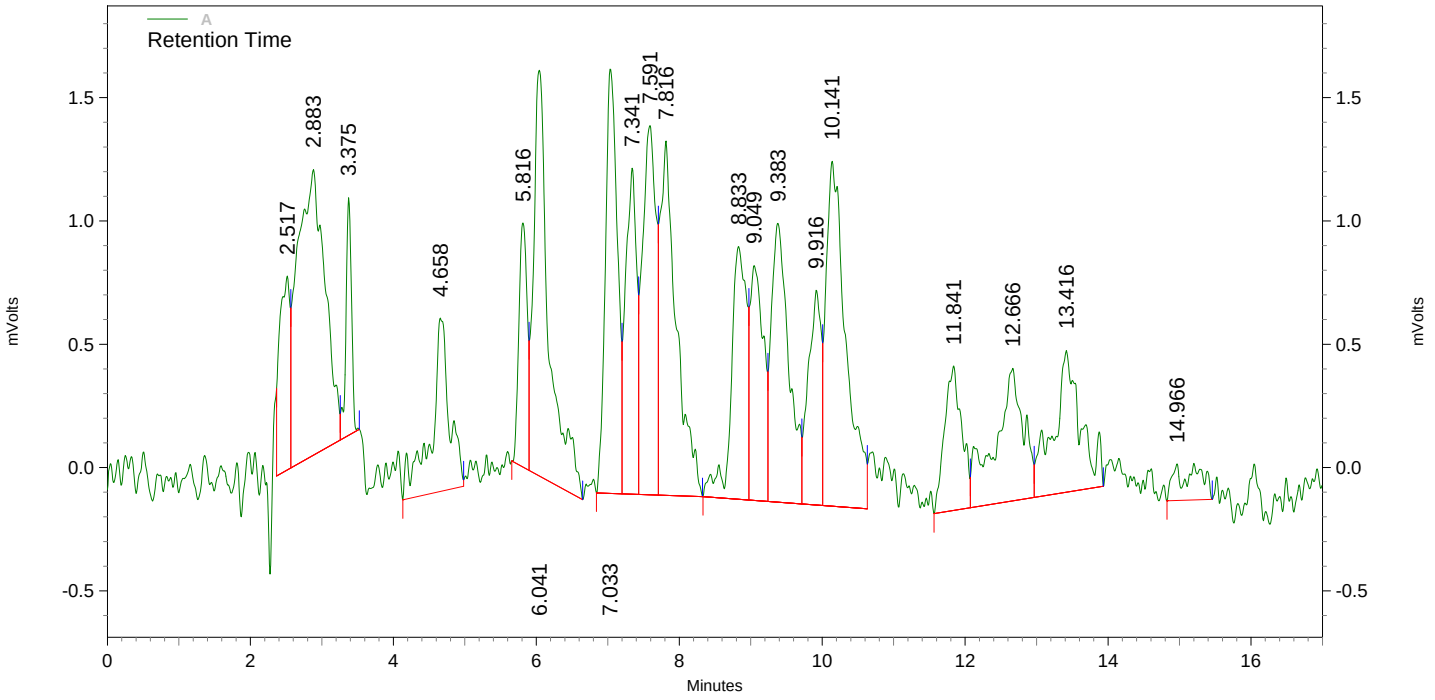
B Results

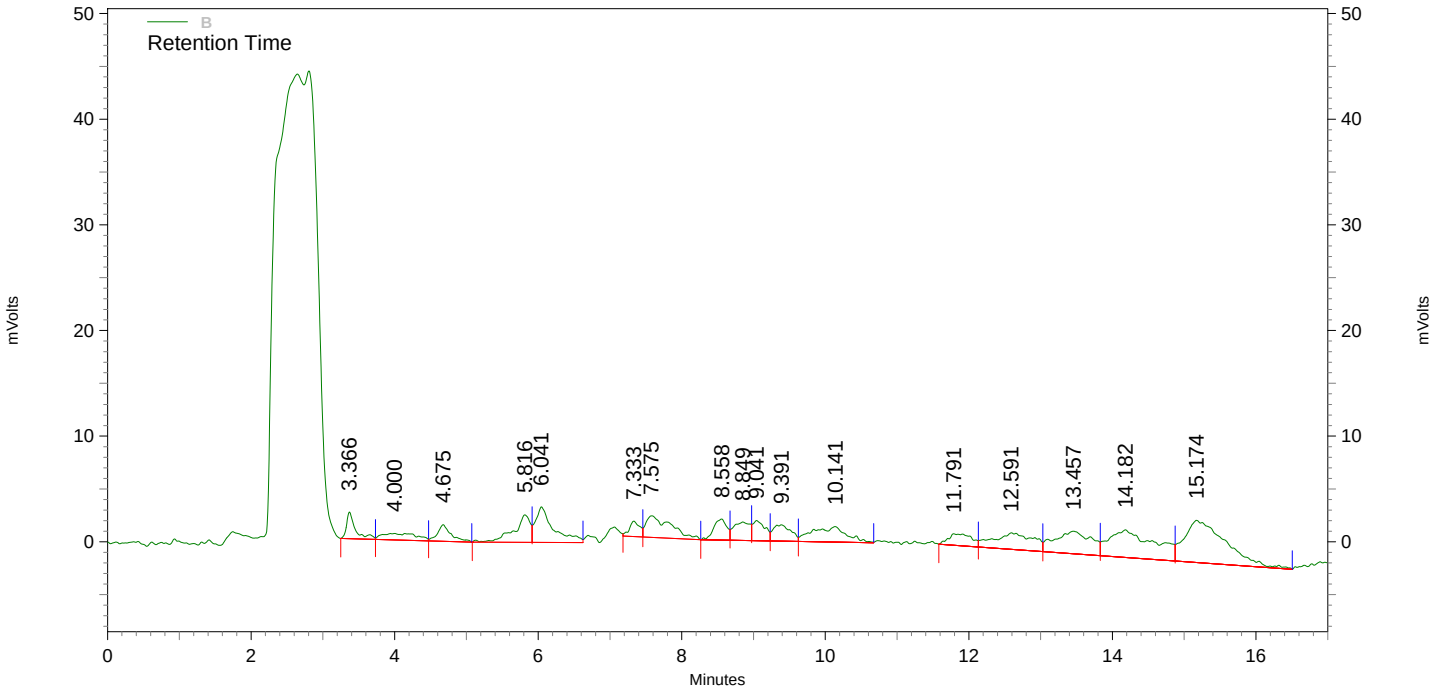
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.558	25456	**0.404**
26-DNT	9.958	22979	**0.156**
24-DNT	10.141	24781	**0.124**
PETN	14.182	35201	**0.376**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\003.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 8330 MRL check EXP 5069
Acquired: Aug 27, 2013 09:49:14
Data Summary: Reason #3, #4 applies to data. RED 8/27/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.375	5219	**0.017**
RDX	4.658	12473	**0.149**
12-DNB (SSTD)	5.816	7949	**13.063**
135-TNB	6.041	24775	**0.102**
13-DNB	7.033	20099	**0.078**
TETRYL	7.341	14144	**0.072**
35-DNA	7.591	19896	**0.100**
NB	7.816	22967	**0.093**
246-TNT	8.833	15320	**0.095**
4-AM-26-DNT	9.049	12427	**0.068**
2-AM-46-DNT	9.383	19406	**0.082**
2-NT	11.841	9830	**0.058**
4-NT	12.666	15008	**0.137**
3-NT	13.416	15196	**0.120**

B Results

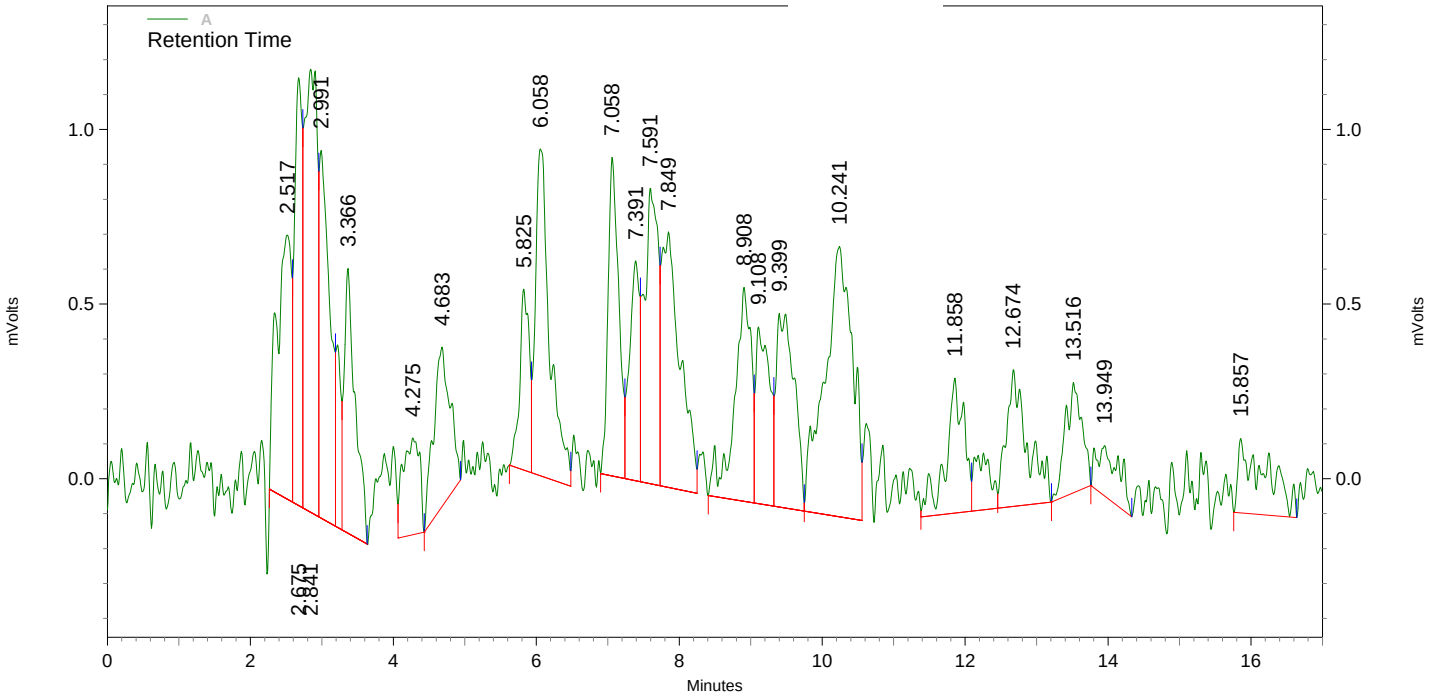
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.558	25456	**0.404**
26-DNT	10.141	47761	**0.330**
24-DNT			**0.000 BDL**
PETN	14.182	115012	**1.401**

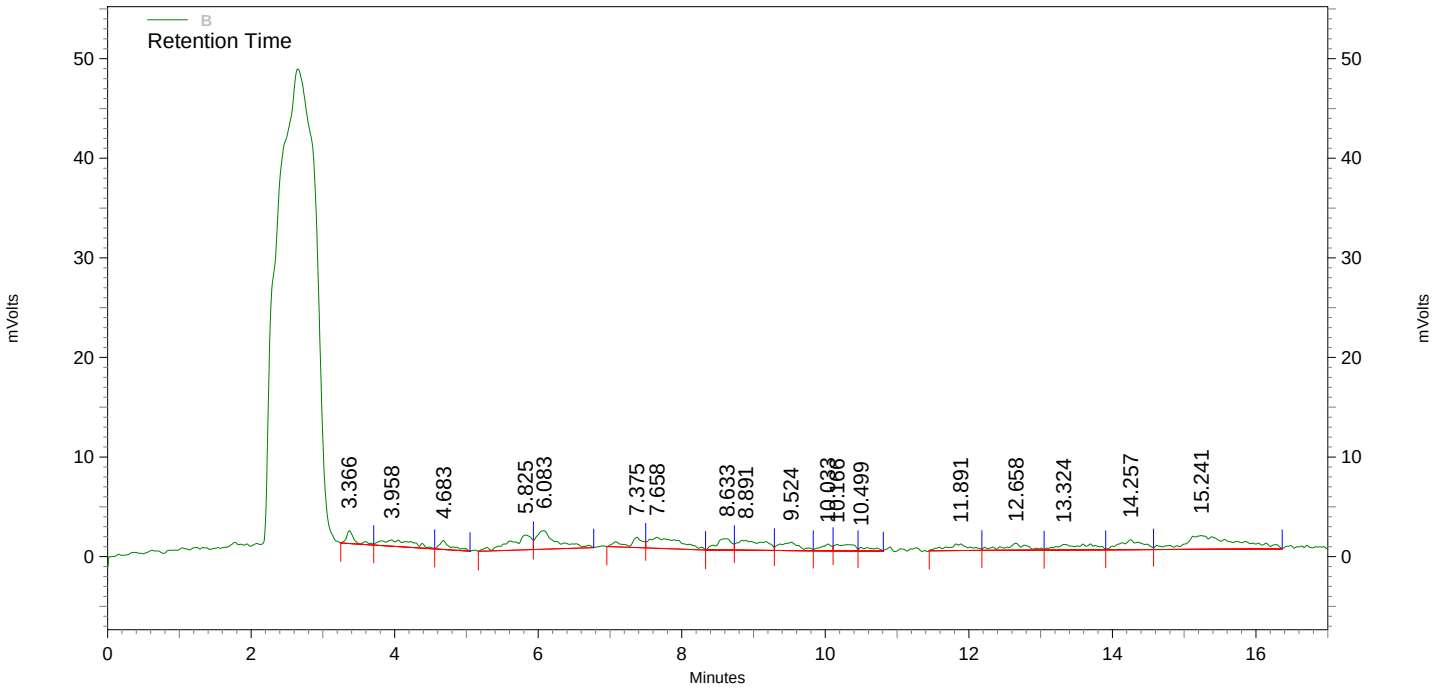
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\004.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 8330 MDL check EXP 5070
Acquired: Aug 27, 2013 10:07:32
Data Summary: Reason #3, #4 applies to data. RED 8/27/2013

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.366	8164	**0.067**
RDX	4.683	7393	**0.083**
12-DNB (SSTD)	5.825	4790	**4.827**
135-TNB	6.058	13074	**0.043**
13-DNB	7.058	9485	**0.028**
TETRYL	7.391	6015	**0.008**
35-DNA	7.591	11251	**0.044**
NB	7.849	13245	**0.050**
246-TNT	8.908	9918	**0.052**
4-AM-26-DNT	9.108	6759	**0.023**
2-AM-46-DNT	9.399	9820	**0.028**
2-NT	11.858	6853	**0.027**
4-NT	12.674	8020	**0.061**
3-NT	13.516	5081	**0.038**

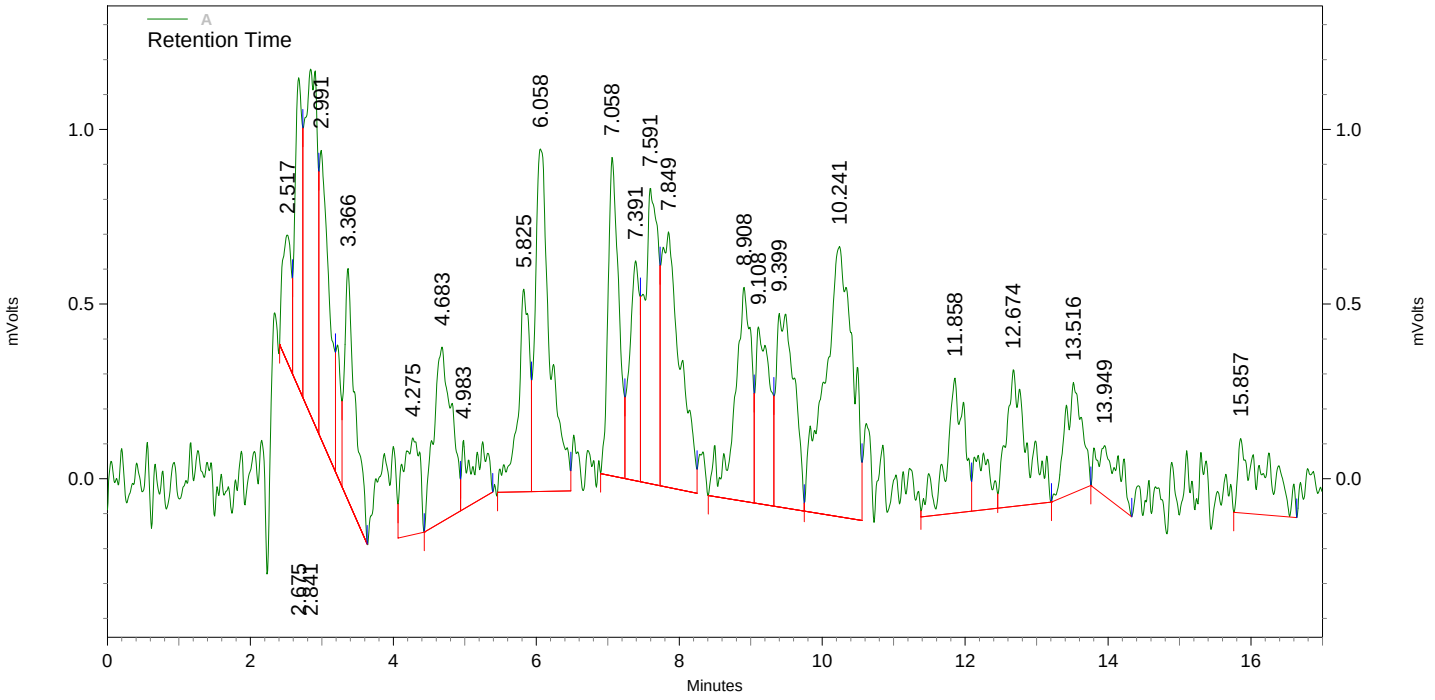
B Results

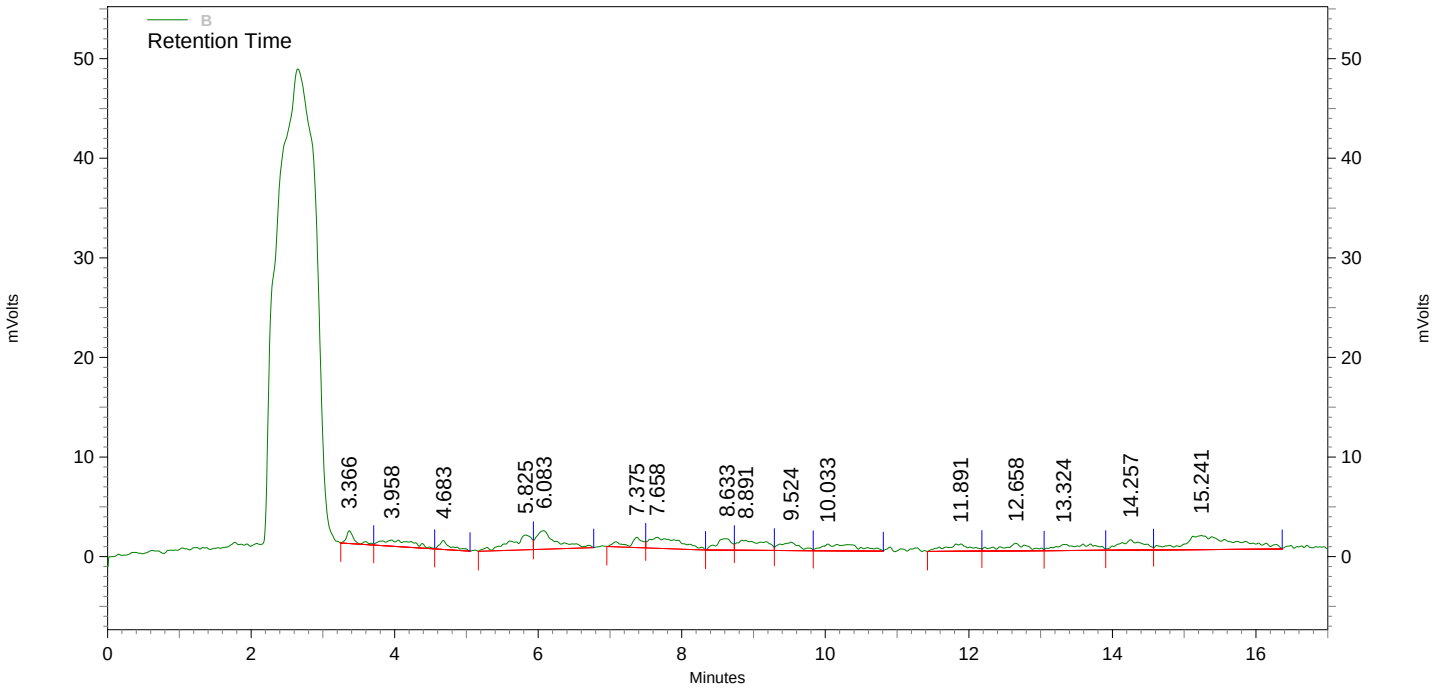
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.633	17105	**0.252**
26-DNT	10.033	6782	**0.042**
24-DNT	10.166	11697	**0.062**
PETN	14.257	22021	**0.206**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\004.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 8330 MDL check EXP 5070
Acquired: Aug 27, 2013 10:07:32
Data Summary: Reason #3, #4 applies to data. RED 8/27/2013





A Results

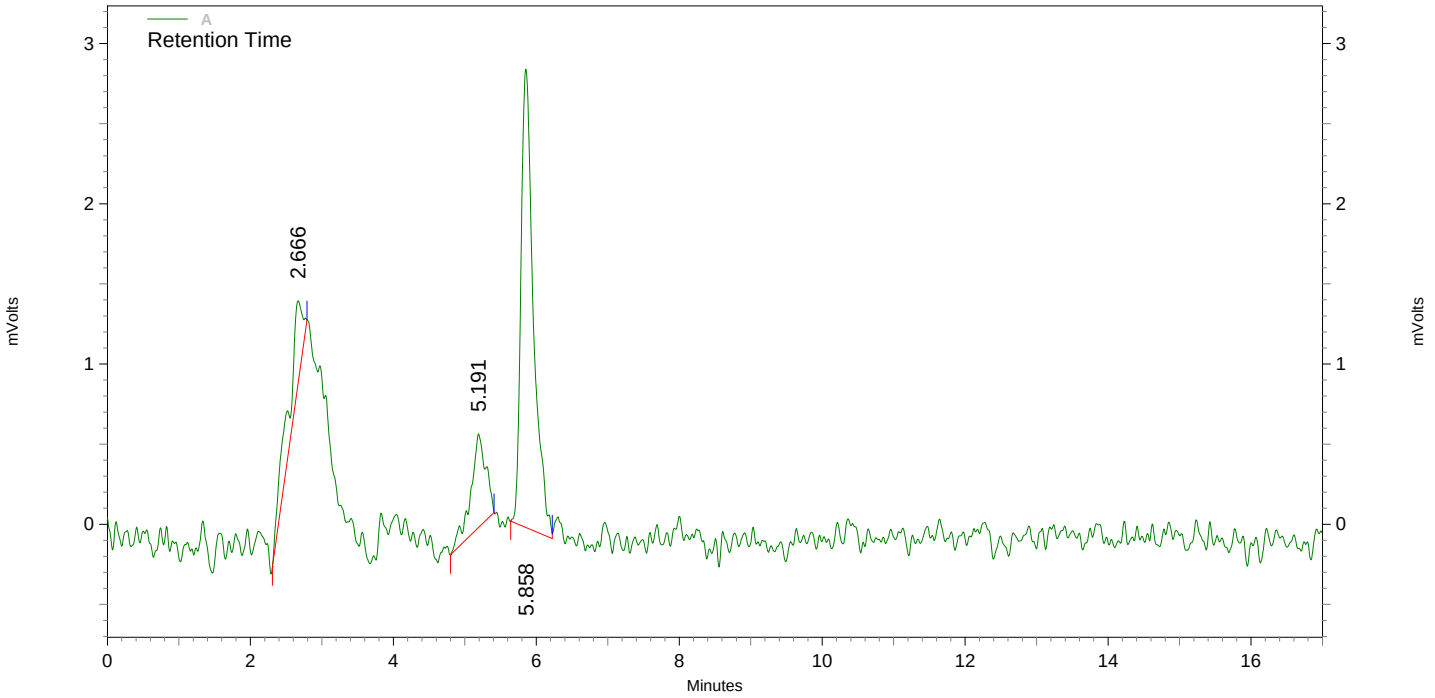
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.366	6873	**0.045**
RDX	4.683	8750	**0.100**
12-DNB (SSTD)	5.825	6622	**9.603**
135-TNB	6.058	14185	**0.049**
13-DNB	7.058	9485	**0.028**
TETRYL	7.391	6015	**0.008**
35-DNA	7.591	11251	**0.044**
NB	7.849	13245	**0.050**
246-TNT	8.908	9918	**0.052**
4-AM-26-DNT	9.108	6759	**0.023**
2-AM-46-DNT	9.399	9820	**0.028**
2-NT	11.858	6853	**0.027**
4-NT	12.674	8020	**0.061**
3-NT	13.516	5081	**0.038**

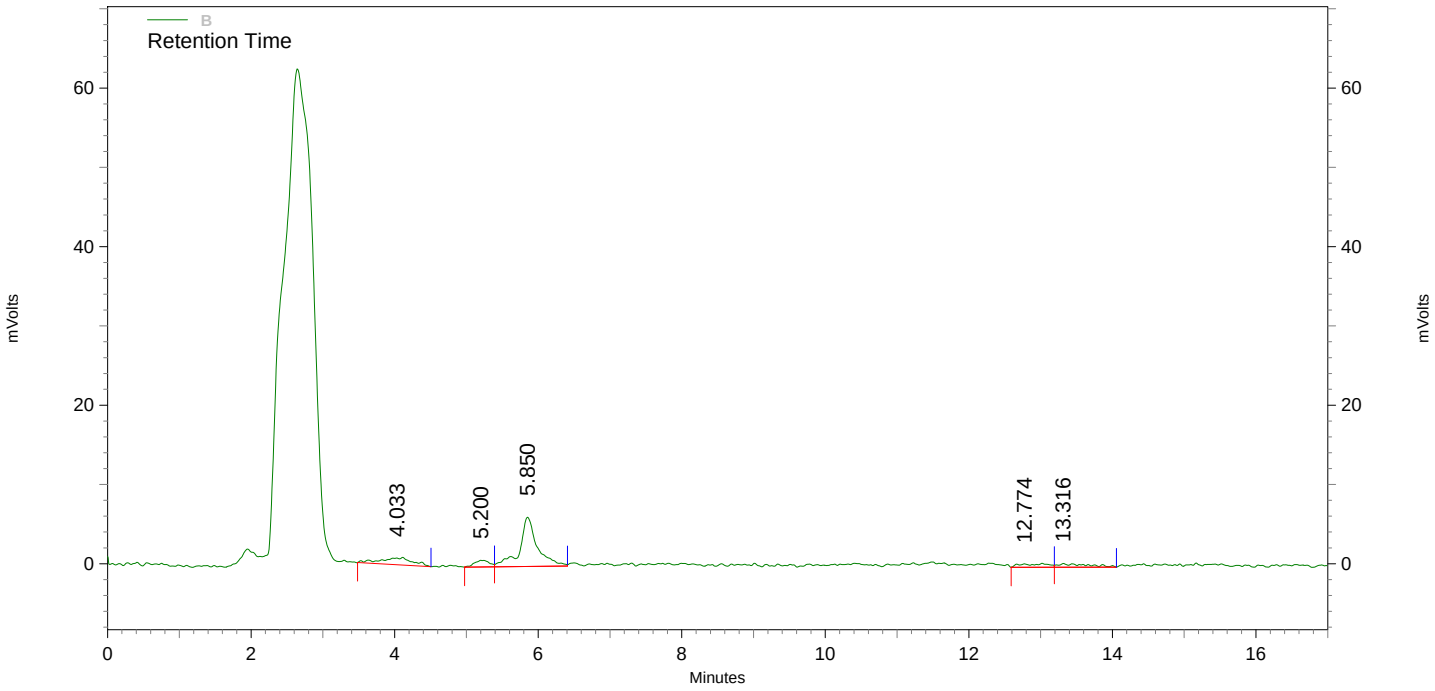
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.633	17105	**0.252**
26-DNT	10.033	23689	**0.161**
24-DNT			**0.000 BDL**
PETN	14.257	23446	**0.224**

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\005.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,MBS,
Acquired: Aug 27, 2013 10:45:45
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.858	34691	**82.781**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

B Results

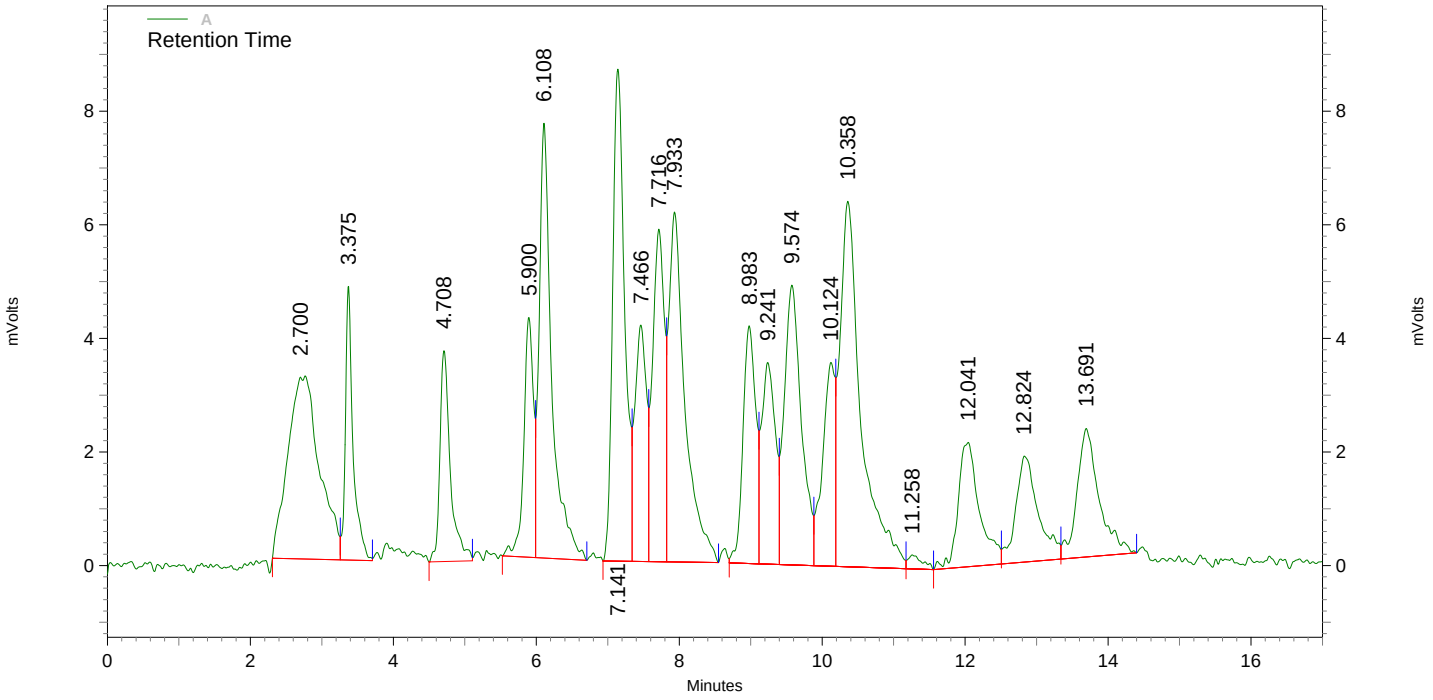
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

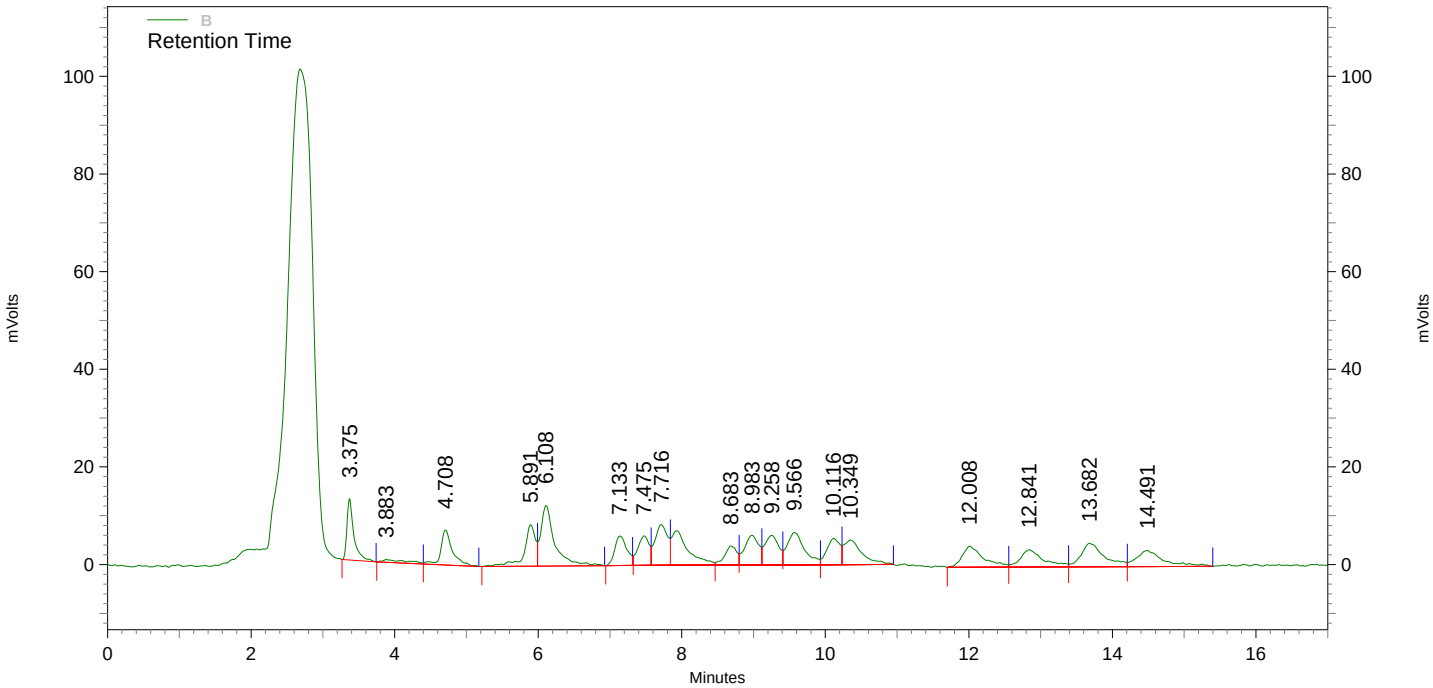
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\006.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,LCSS,
Acquired: Aug 27, 2013 11:04:02
Data Summary: Reason #4 applies to data. RED 8/27/2013

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.375	35805	**0.534**
RDX	4.708	37823	**0.483**
12-DNB (SSTD)	5.900	39778	**96.043**
135-TNB	6.108	93714	**0.450**
13-DNB	7.141	100869	**0.460**
TETRYL	7.466	46619	**0.328**
35-DNA	7.716	67602	**0.409**
NB	7.933	97942	**0.424**
246-TNT	8.983	51648	**0.381**
4-AM-26-DNT	9.241	47411	**0.347**
2-AM-46-DNT	9.574	82721	**0.437**
2-NT	12.041	45428	**0.418**
4-NT	12.824	40929	**0.417**
3-NT	13.691	48789	**0.390**

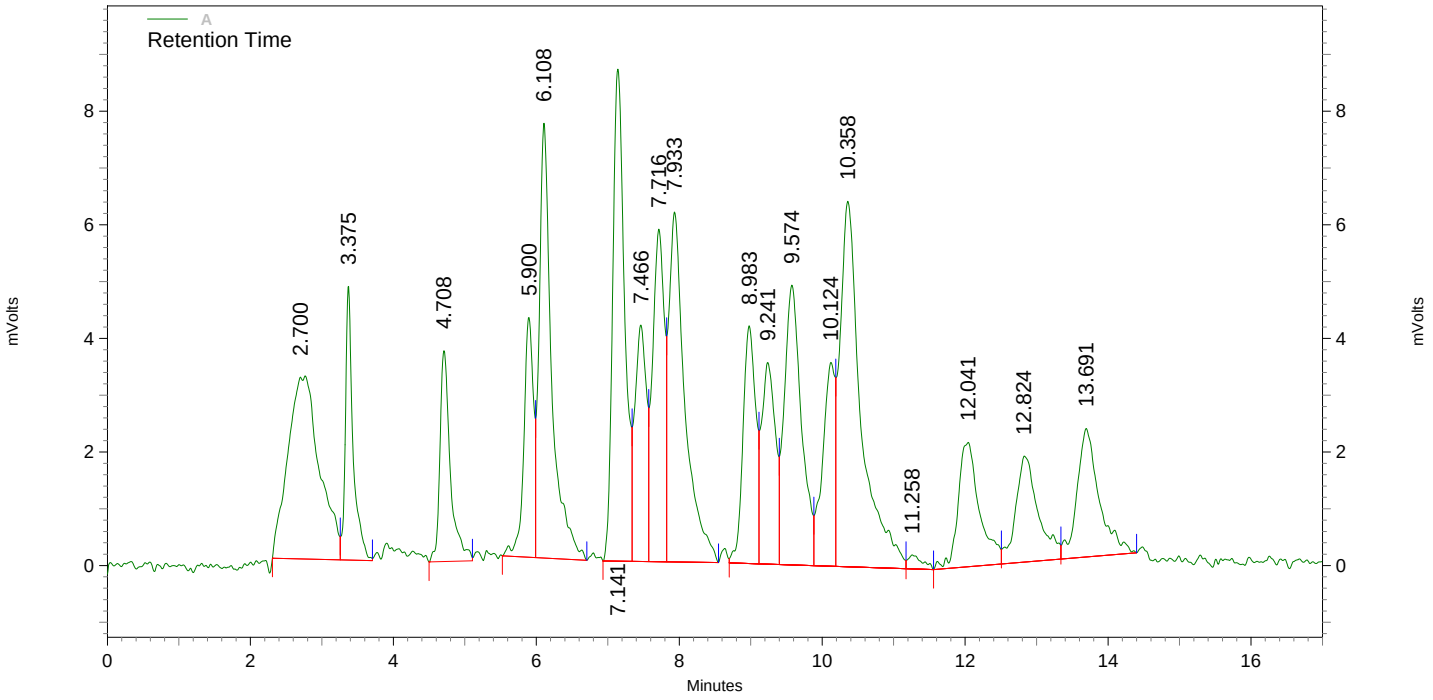
B Results

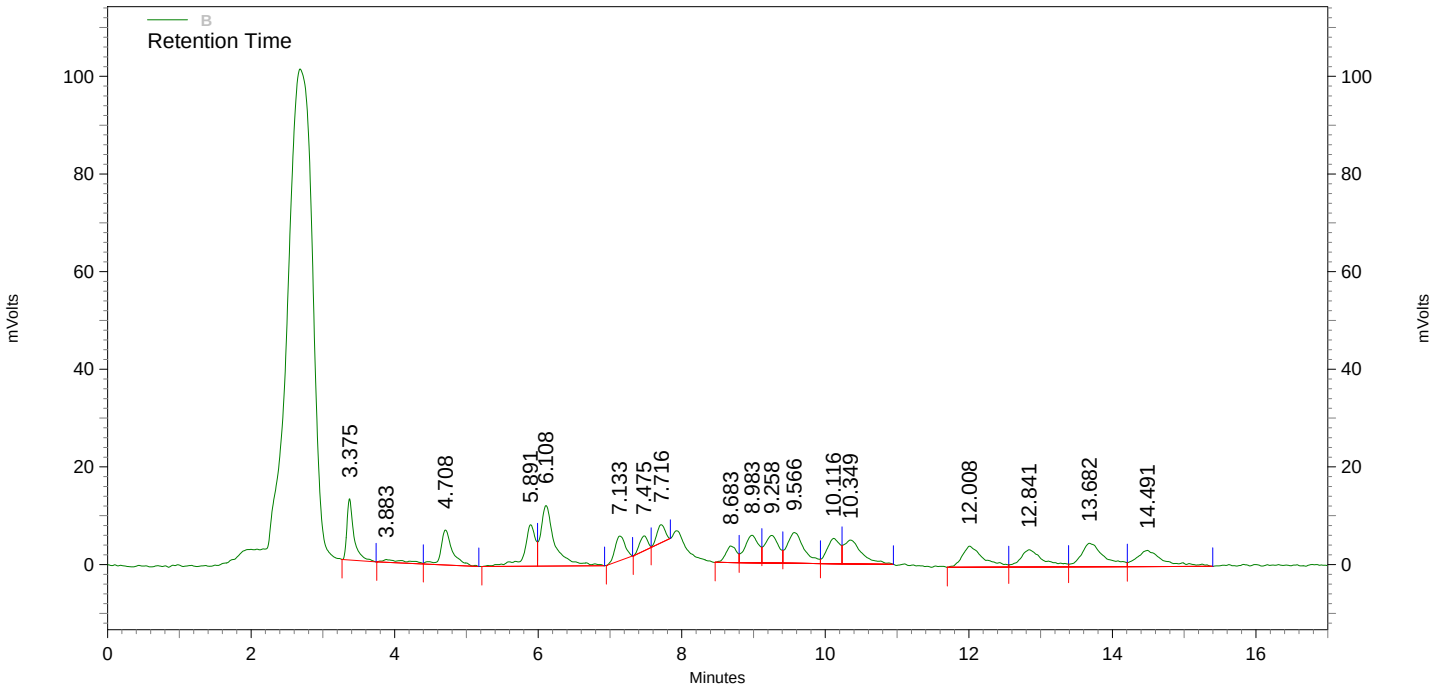
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.683	45653	**0.775**
26-DNT	10.116	67415	**0.468**
24-DNT	10.349	89380	**0.432**
PETN	14.491	87901	**1.053**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\006.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,LCSS,
Acquired: Aug 27, 2013 11:04:02
Data Summary: Reason #4 applies to data. RED 8/27/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.375	35805	**0.534**
RDX	4.708	37823	**0.483**
12-DNB (SSTD)	5.900	39778	**96.043**
135-TNB	6.108	93714	**0.450**
13-DNB	7.141	100869	**0.460**
TETRYL	7.466	46619	**0.328**
35-DNA	7.716	67602	**0.409**
NB	7.933	97942	**0.424**
246-TNT	8.983	51648	**0.381**
4-AM-26-DNT	9.241	47411	**0.347**
2-AM-46-DNT	9.574	82721	**0.437**
2-NT	12.041	45428	**0.418**
4-NT	12.824	40929	**0.417**
3-NT	13.691	48789	**0.390**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.683	35204	**0.583**
26-DNT	10.116	63896	**0.443**
24-DNT	10.349	85905	**0.416**
PETN	14.491	87901	**1.053**

Triplicate Sample Analysis Relative Standard Deviation Calculations

Analyst: RED
Sample ID: **337815**
Analysis Date: 08 27 2013
Data path: C:\Instarch\hplc 2\data\ 082713exp-primary

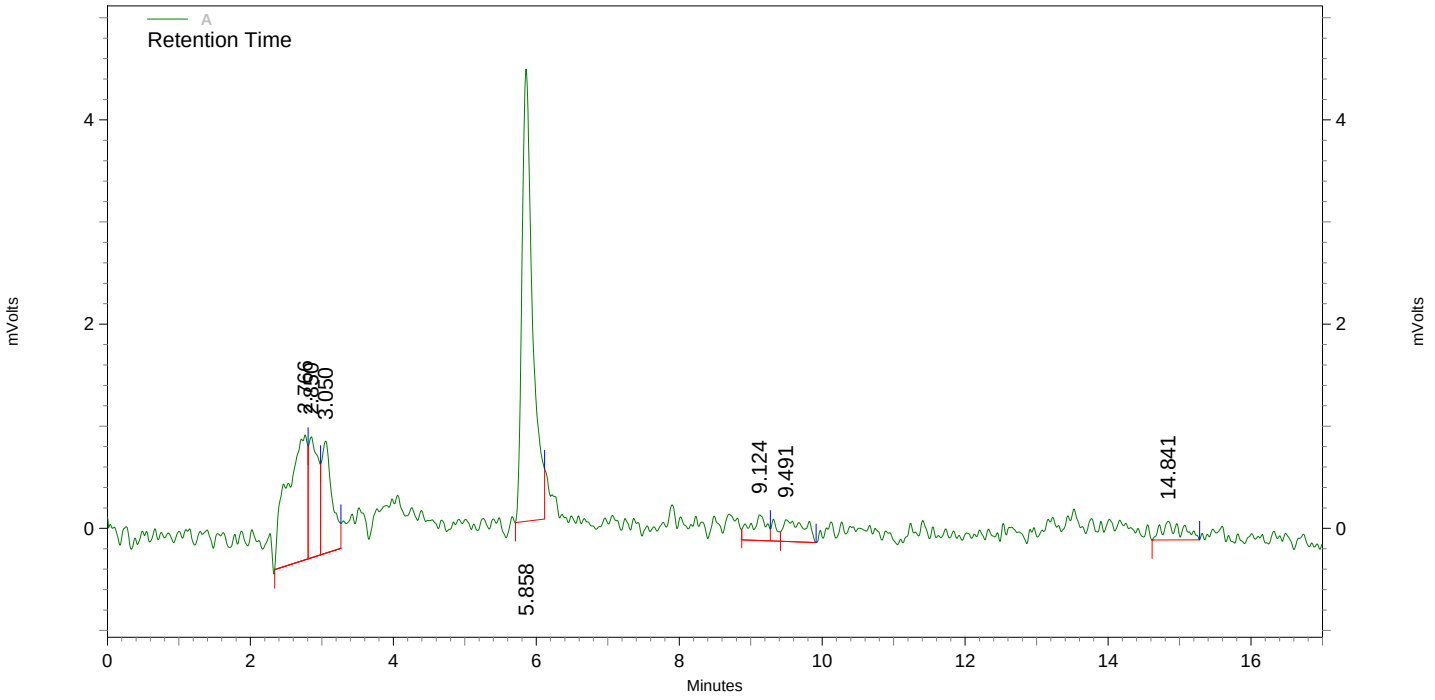
	Analyte Concentration (ug/mL)						
e	Parent Sample	Duplicate Sample	Triplicate Sample	Mean Conc. (ug/mL)	Standard Deviation	%RSD	Flag (>20% RSD)
Analyt	0	0	0	0	0	#DIV/0!	#DIV/0!
RDX	0	0	0	0	0	#DIV/0!	#DIV/0!
1.3.5-Trinitrobenzne	0	0	0	0	0	#DIV/0!	#DIV/0!
1.2-Dinitrobenzene (SSTD)	122.384	109.545	118.646	116.858333	6.6035441	5.650897	
1.3-Dinitrobenzene	0	0	0	0	0	#DIV/0!	#DIV/0!
tetryl	0	0	0	0	0	#DIV/0!	#DIV/0!
3,5-dinitroaniline	0	0	0	0	0	#DIV/0!	#DIV/0!
Nitrobenzene	0	0	0	0	0	#DIV/0!	#DIV/0!
2,4,6-Trinitrotoluene	0	0	0	0	0	#DIV/0!	#DIV/0!
2-amino-4,6-Dinitrotoluene	0	0	0	0	0	#DIV/0!	#DIV/0!
4-amino-2,6-Dinitrotoluene	0	0	0	0	0	#DIV/0!	#DIV/0!
2,6-Dinitrotoluene	0	0	0	0	0	#DIV/0!	#DIV/0!
2,4-Dinitrotoluene	0	0	0	0	0	#DIV/0!	#DIV/0!
2-Nitrotoluene	0	0	0	0	0	#DIV/0!	#DIV/0!
4-Nitrotoluene	0	0	0	0	0	#DIV/0!	#DIV/0!
3-Nitrotoluene	0	0	0	0	0	#DIV/0!	#DIV/0!
Nitroglycerin	0	0	0	0	0	#DIV/0!	#DIV/0!
PETN	0	0	0	0	0	#DIV/0!	#DIV/0!

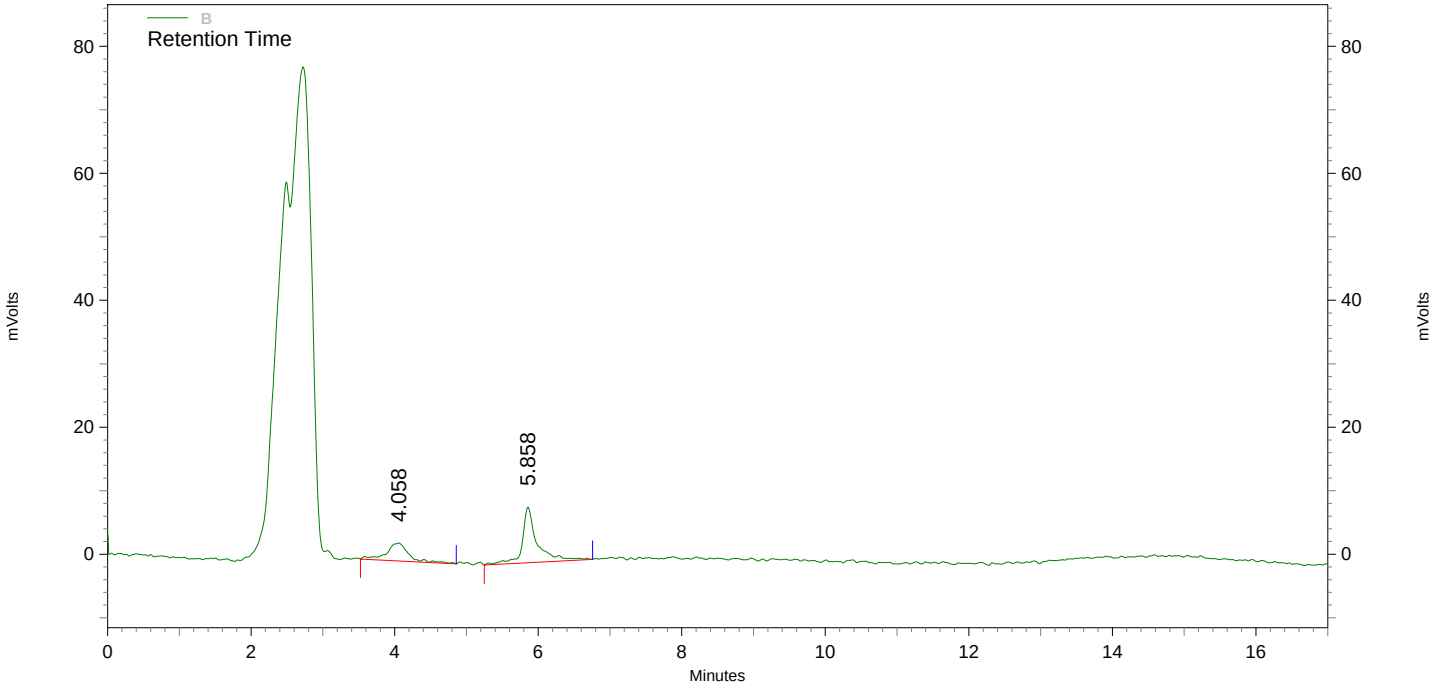
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\011.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: DUP 337815
Acquired: Aug 27, 2013 12:35:36
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013

JJY
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.858	44957	**109.545**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT	9.124	3806	**0.000**
2-AM-46-DNT	9.491	4528	**0.000**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

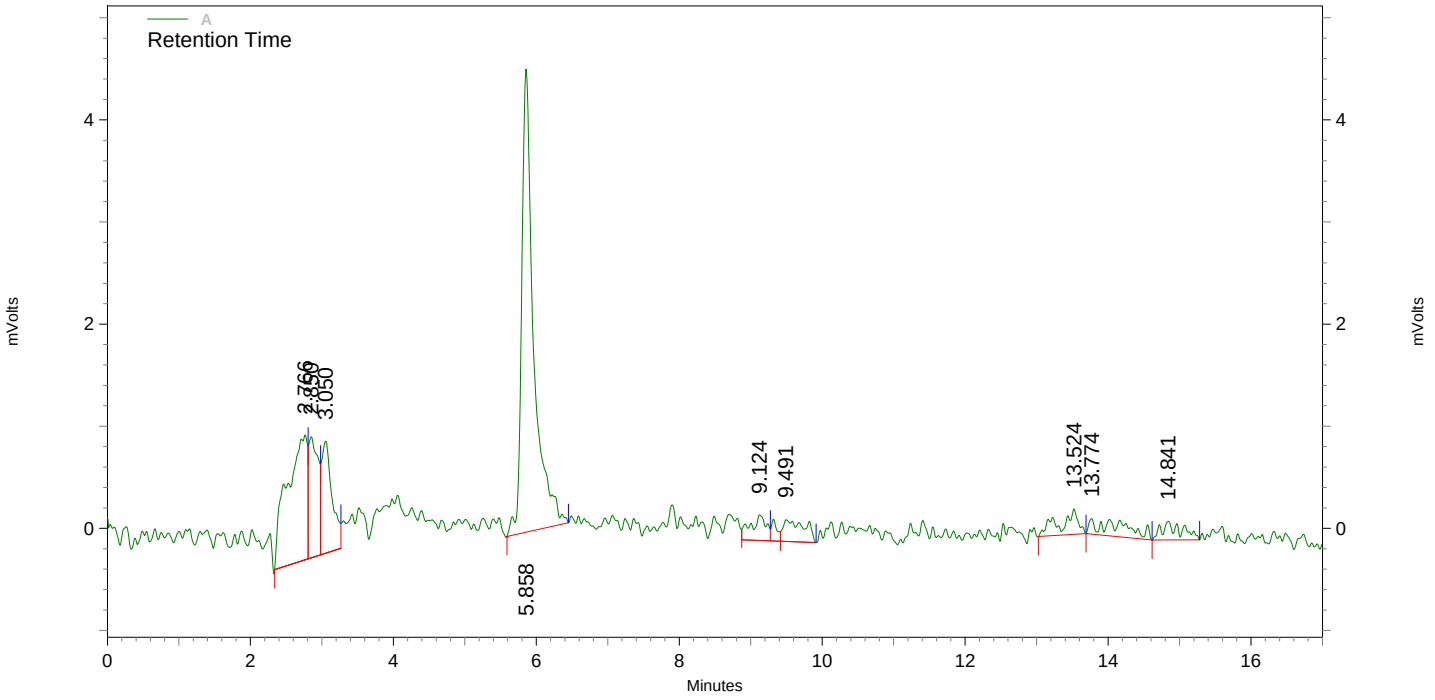
B Results

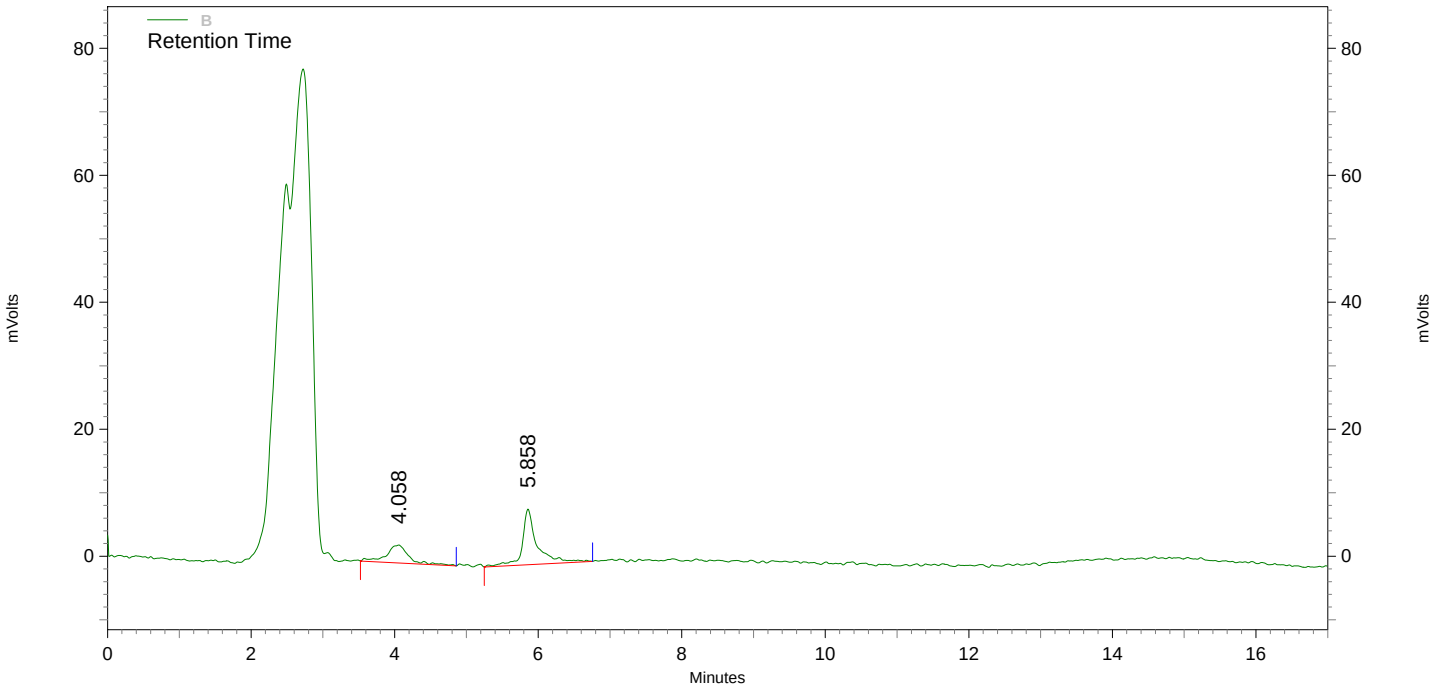
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\011.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: DUP 337815
Acquired: Aug 27, 2013 12:35:36
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.858	52797	**129.984**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT	9.124	3806	**0.000**
2-AM-46-DNT	9.491	4528	**0.000**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT	13.524	4273	**0.032**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\012.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: TRIP 337815
Acquired: Aug 27, 2013 12:53:53
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013

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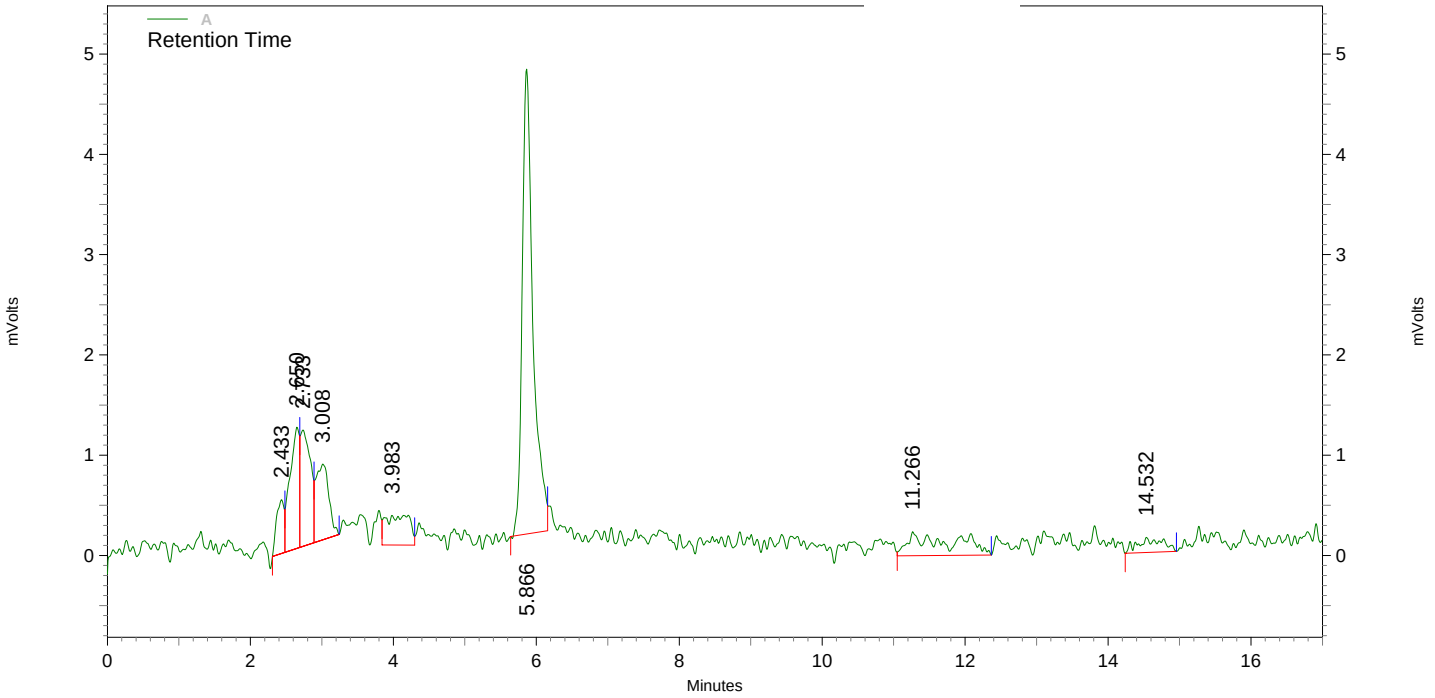
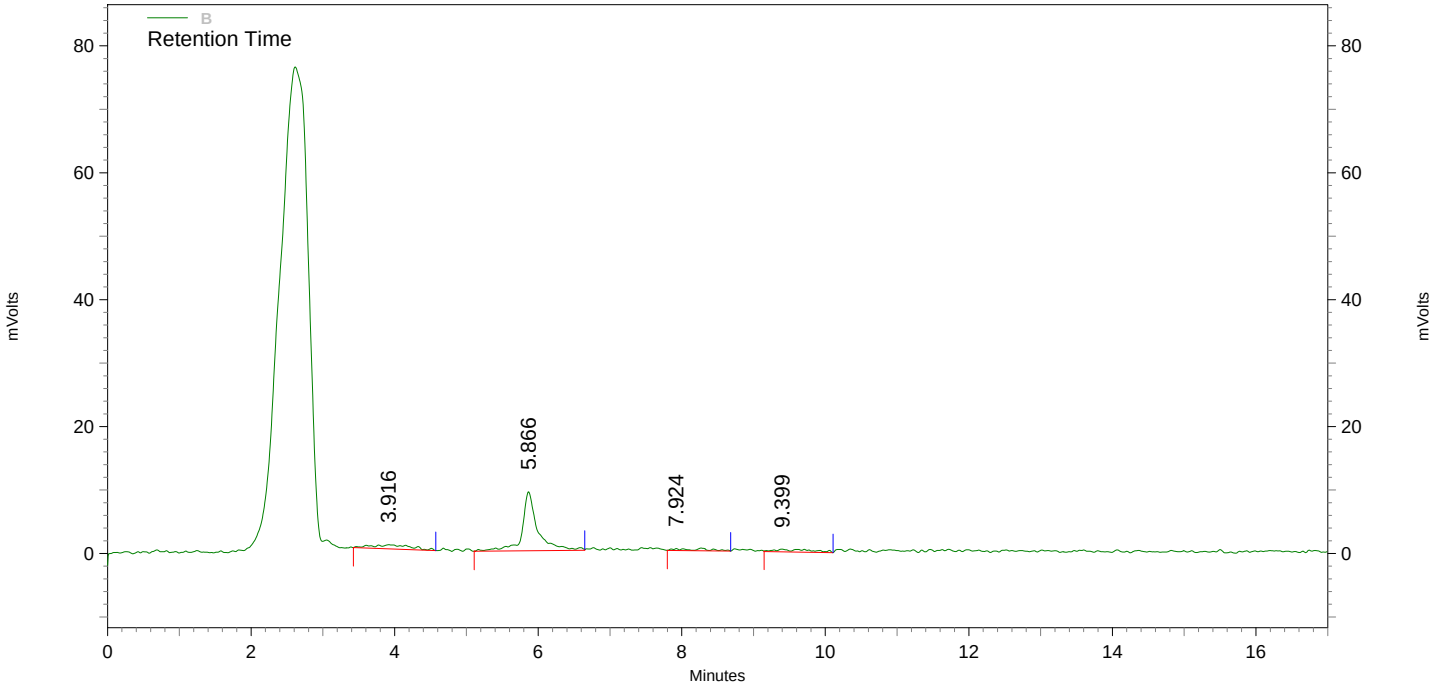




A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.866	48448	**118.646**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT			**0.000 BDL**
3-NT			**0.000 BDL**

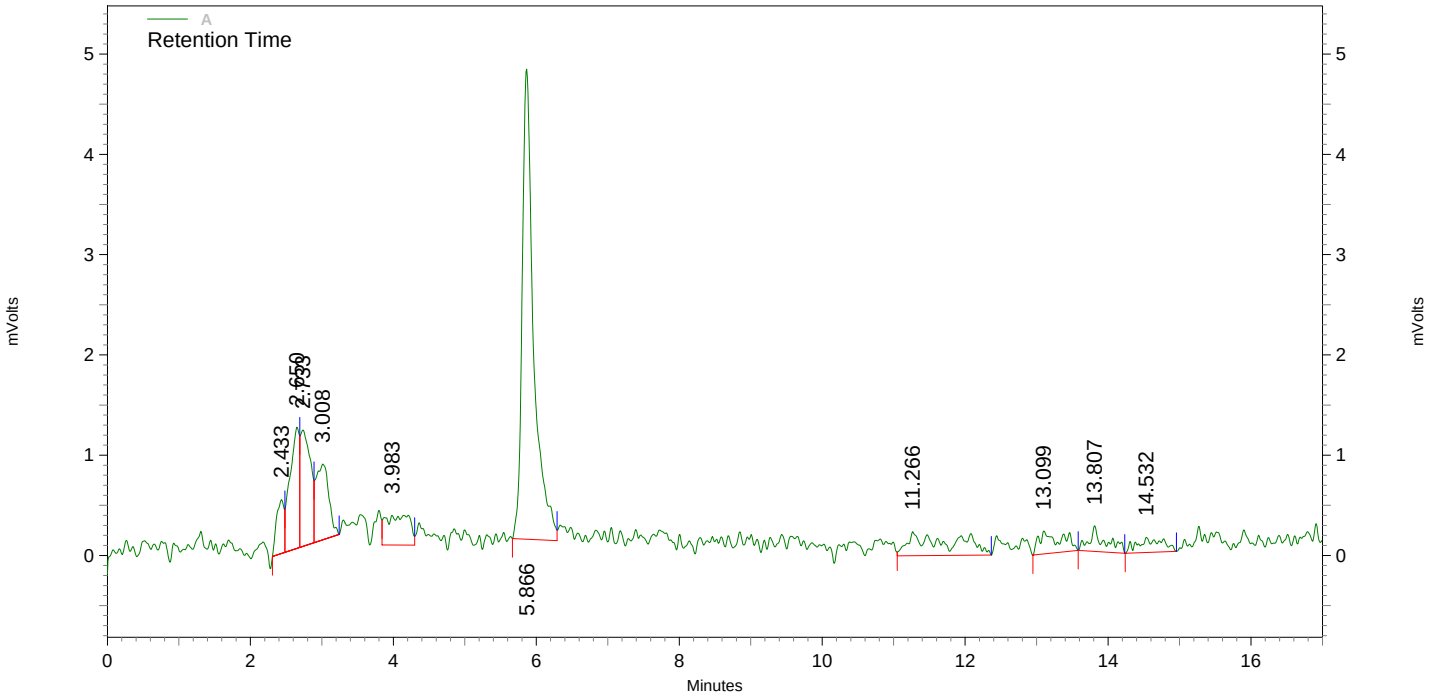
B Results

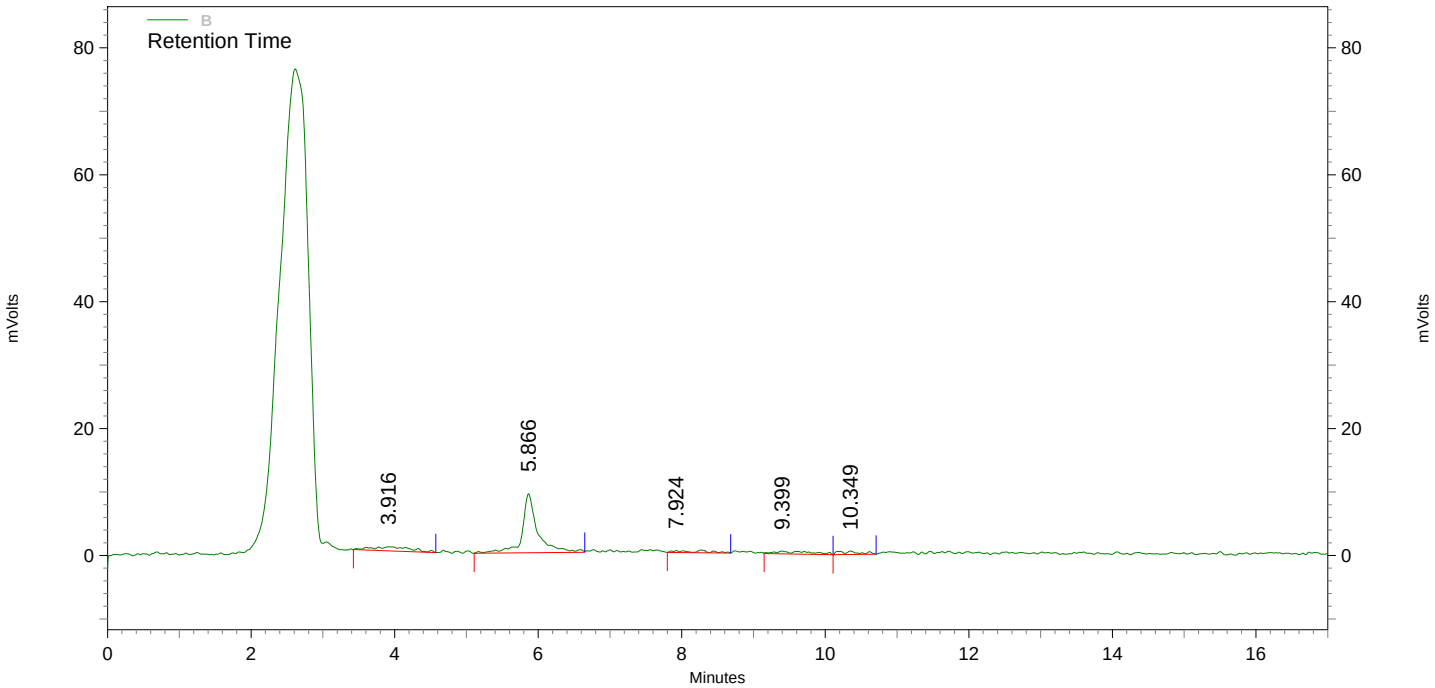
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT			**0.000 BDL**
PETN			**0.000 BDL**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\012.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: TRIP 337815
Acquired: Aug 27, 2013 12:53:53
Data Summary: Reason #3,#4 applies to data. RED 8/27/2013





A Results

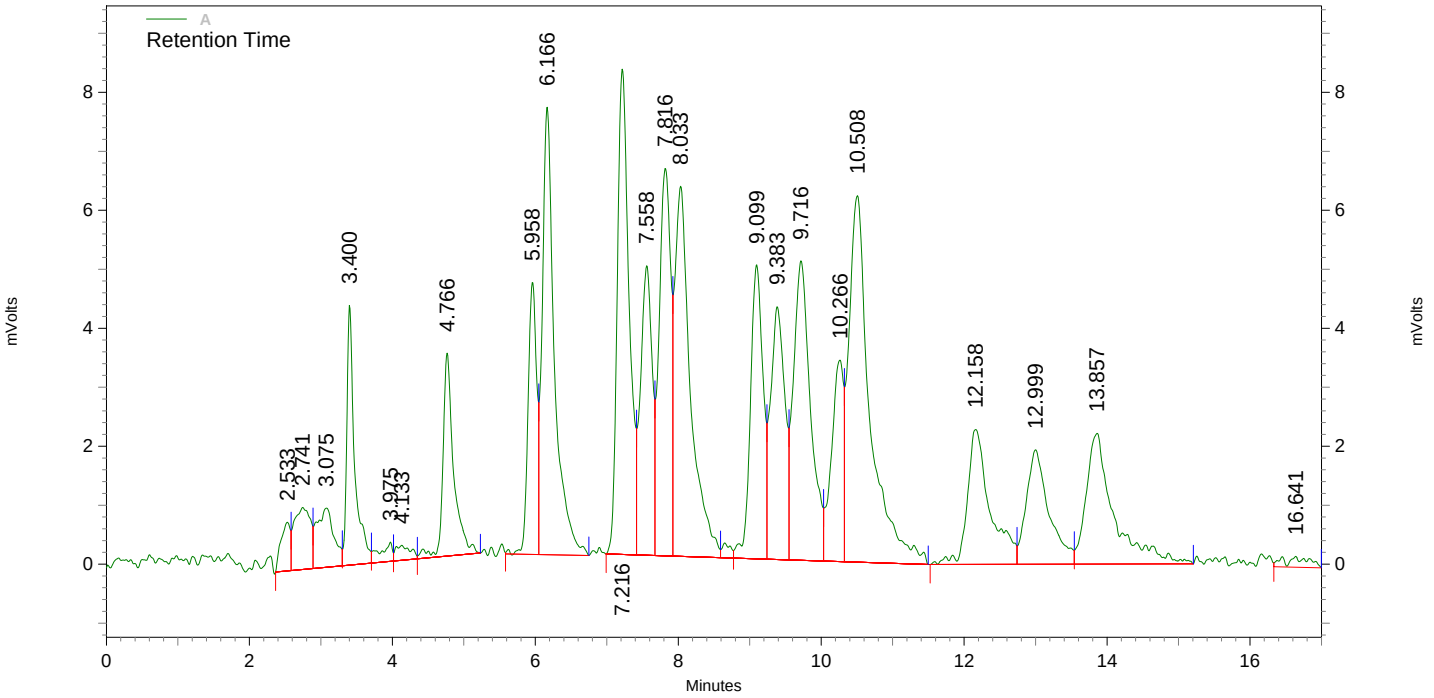
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX			**0.000 BDL**
RDX			**0.000 BDL**
12-DNB (SSTD)	5.866	52186	**128.391**
135-TNB			**0.000 BDL**
13-DNB			**0.000 BDL**
TETRYL			**0.000 BDL**
35-DNA			**0.000 BDL**
NB			**0.000 BDL**
246-TNT			**0.000 BDL**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT			**0.000 BDL**
2-NT			**0.000 BDL**
4-NT	13.099	4725	**0.026**
3-NT	13.807	3806	**0.028**

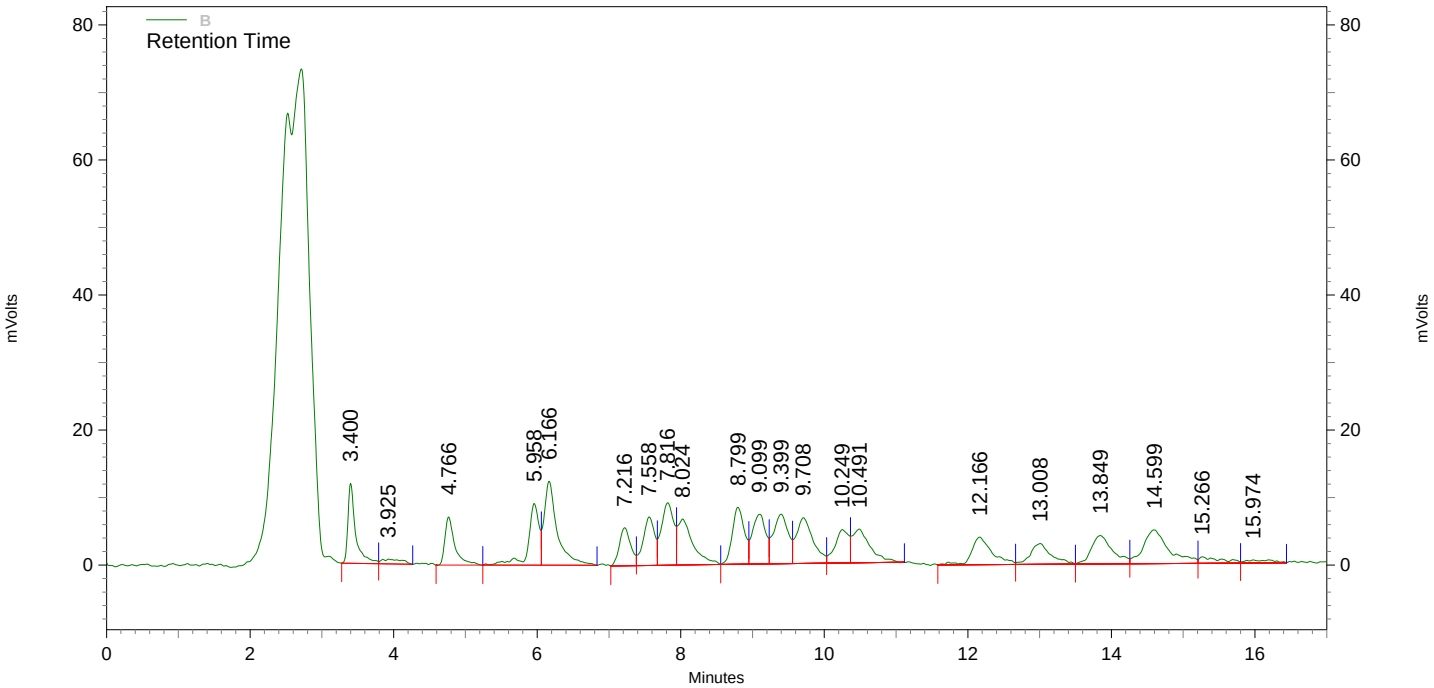
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG			**0.000 BDL**
26-DNT			**0.000 BDL**
24-DNT	10.349	10298	**0.055**
PETN			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\023.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,MSS337815,
Acquired: Aug 27, 2013 16:15:11
Data Summary: {Data Description}





A Results

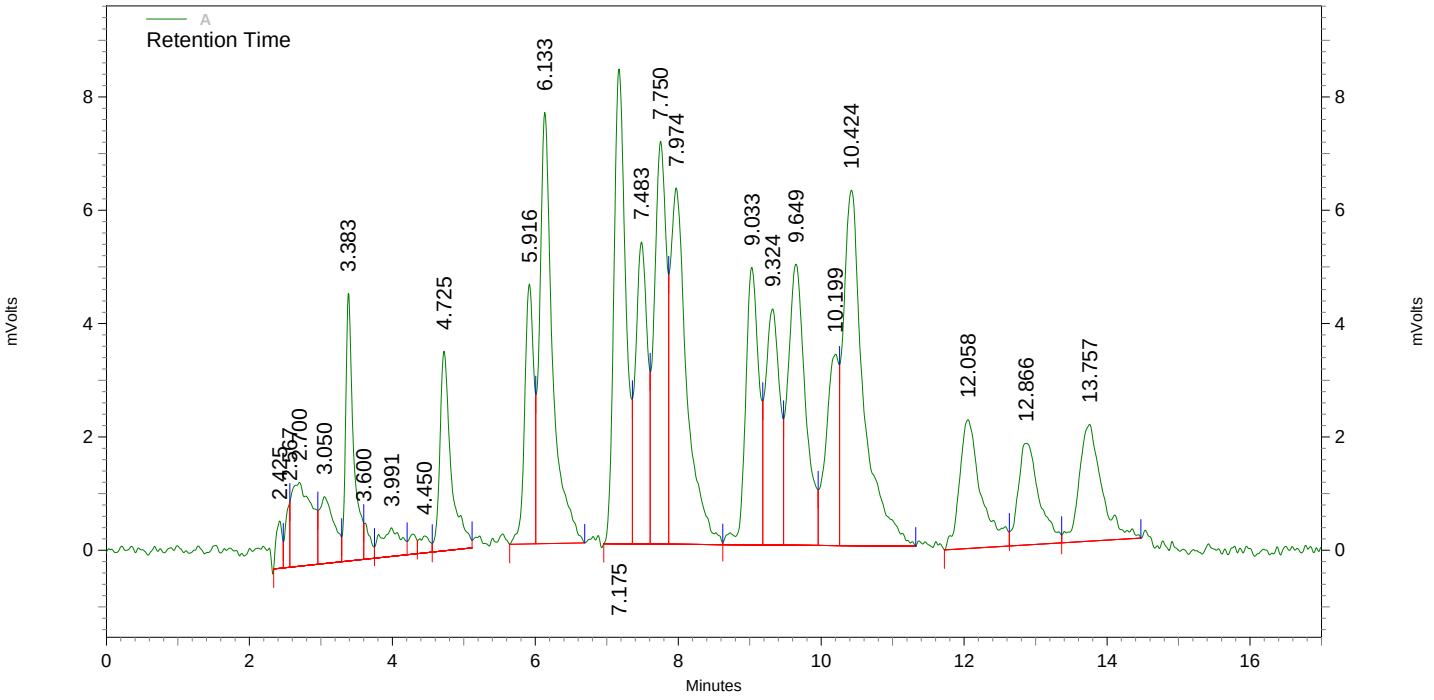
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.400	33623	**0.497**
RDX	4.766	35876	**0.457**
12-DNB (SSTD)	5.958	38610	**92.998**
135-TNB	6.166	90820	**0.435**
13-DNB	7.216	94849	**0.432**
TETRYL	7.558	55634	**0.399**
35-DNA	7.816	74743	**0.456**
NB	8.033	97466	**0.422**
246-TNT	9.099	61196	**0.456**
4-AM-26-DNT	9.383	59507	**0.443**
2-AM-46-DNT	9.716	85052	**0.450**
2-NT	12.158	50436	**0.468**
4-NT	12.999	42645	**0.436**
3-NT	13.857	59696	**0.478**

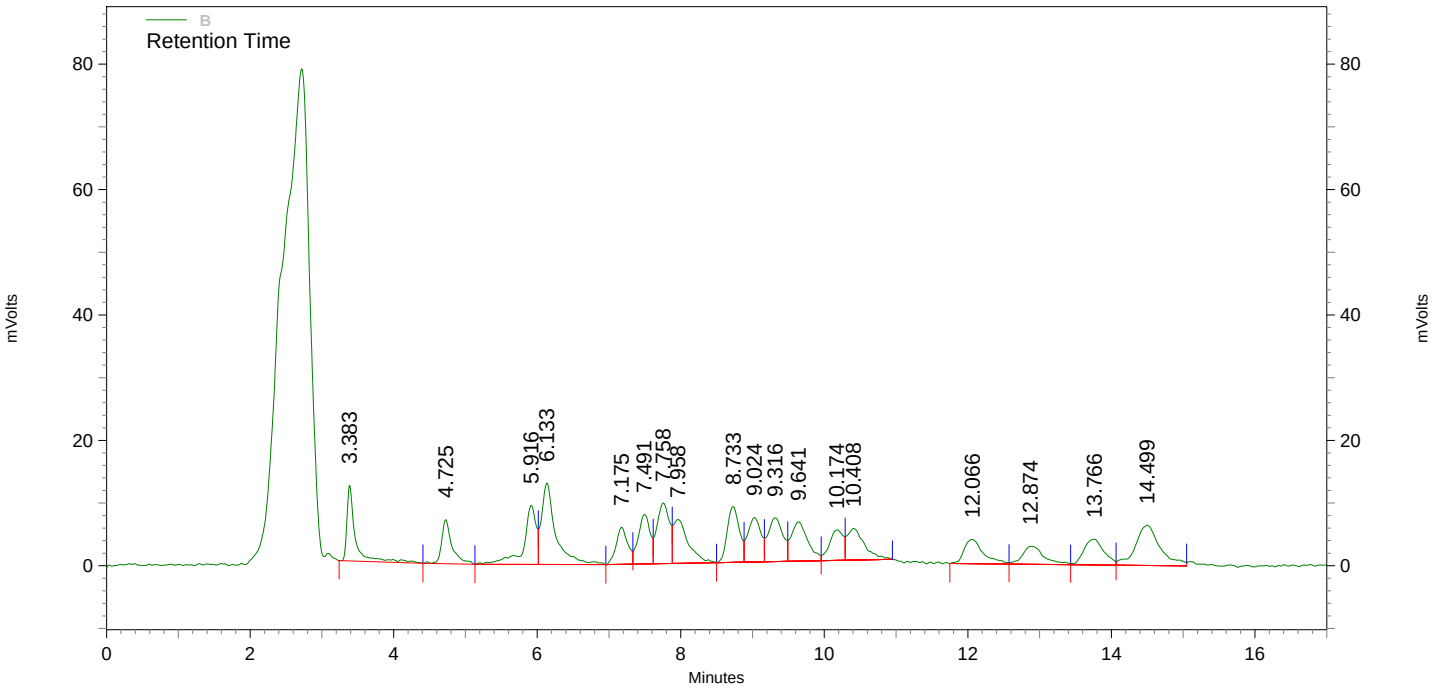
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.799	98418	**1.741**
26-DNT	10.249	65503	**0.455**
24-DNT	10.491	86172	**0.417**
PETN	14.599	122493	**1.497**

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\024.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 97058,MSDS337815,
Acquired: Aug 27, 2013 16:33:29
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.383	36327	**0.543**
RDX	4.725	38616	**0.493**
12-DNB (SSTD)	5.916	40490	**97.899**
135-TNB	6.133	96153	**0.462**
13-DNB	7.175	96461	**0.440**
TETRYL	7.483	60842	**0.440**
35-DNA	7.750	83905	**0.515**
NB	7.974	101766	**0.441**
246-TNT	9.033	63012	**0.471**
4-AM-26-DNT	9.324	57229	**0.425**
2-AM-46-DNT	9.649	84457	**0.447**
2-NT	12.058	47396	**0.437**
4-NT	12.866	36535	**0.370**
3-NT	13.757	45326	**0.362**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.733	104454	**1.852**
26-DNT	10.174	65203	**0.453**
24-DNT	10.408	85821	**0.415**
PETN	14.499	152217	**1.879**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 2\Sequences\8330A_B\082713exp-primary.seq
User : RED
Printed : Sep 05, 2013 10:11:42

File	Sample ID	Acquired
C:\Instarch\HPLC 2\Data\082713exp-primary\034.dat	8330 MRL check EXP 5069	Sep 05, 2013 10:11:42

A

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
HMX	0.100	0.080	19.948	30.000	Passed
RDX	0.100	0.111	10.617	30.000	Passed
12-DNB (SSTD)	20.000	26.109	30.543	30.000	FAILED
135-TNB	0.100	0.101	1.480	30.000	Passed
13-DNB	0.100	0.086	13.594	30.000	Passed
TETRYL	0.100	0.075	24.781	30.000	Passed
35-DNA	0.100	0.092	8.422	30.000	Passed
NB	0.100	0.098	2.047	30.000	Passed
246-TNT	0.100	0.090	10.423	30.000	Passed
4-AM-26-DNT	0.100	0.060	39.654	30.000	FAILED
2-AM-46-DNT	0.100	0.076	24.166	30.000	Passed
2-NT	0.100	0.079	20.538	30.000	Passed
4-NT	0.100	0.097	3.489	30.000	Passed
3-NT	0.100	0.107	6.576	30.000	Passed

B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NG	0.400	0.376	6.089	30.000	Passed
26-DNT	0.100	0.089	11.086	30.000	Passed
24-DNT	0.100	0.093	6.822	30.000	Passed
PETN	0.400	0.482	20.453	30.000	Passed

After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\034.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 8330 MRL check EXP 5069
Acquired: Aug 27, 2013 19:36:26
Data Summary: Reason #3,#4 applies to data. RED 8/28/2013

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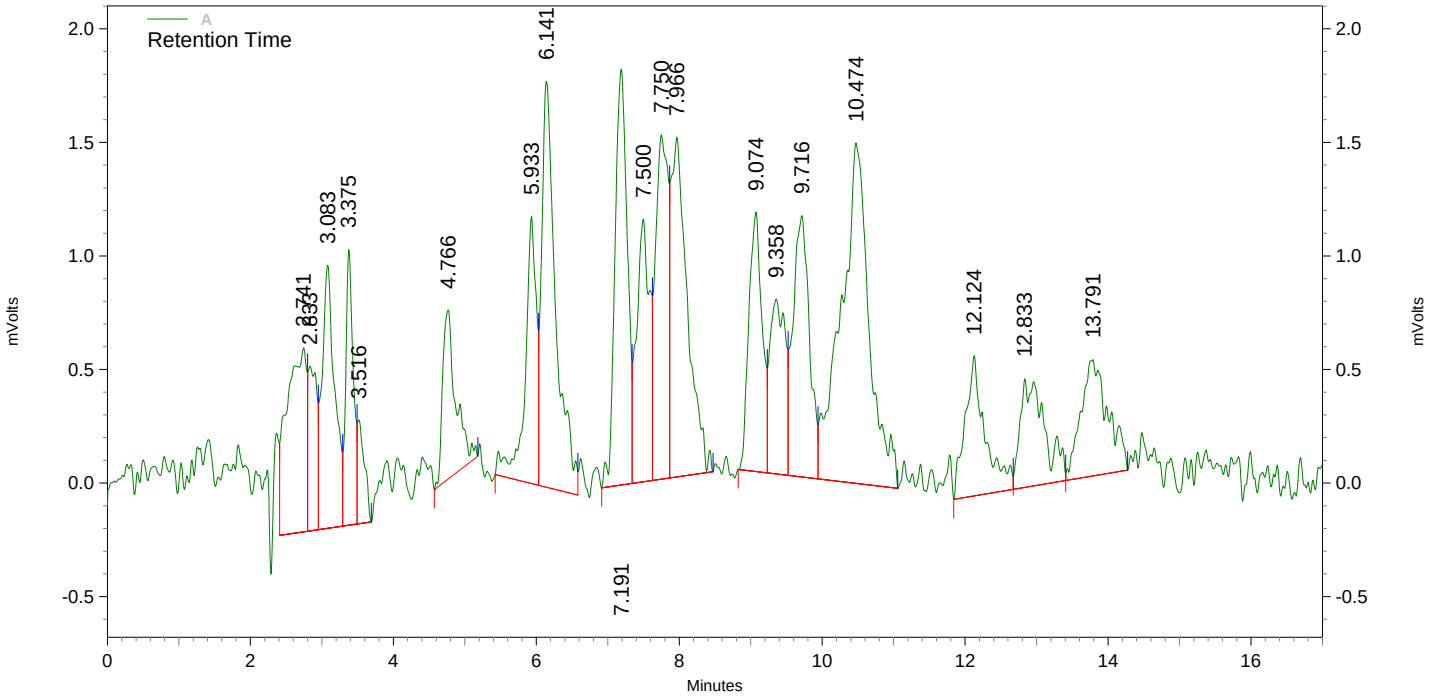
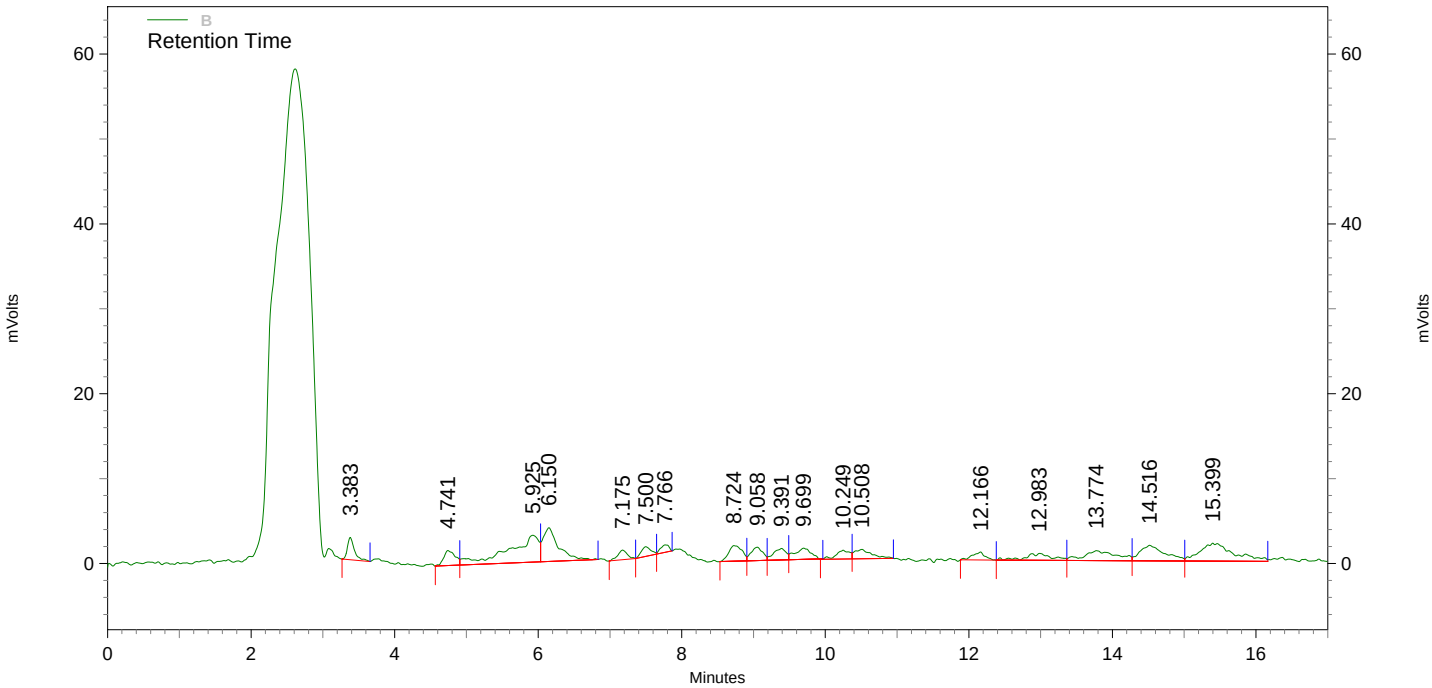
08/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.375	8937	**0.080**
RDX	4.766	9522	**0.111**
12-DNB (SSTD)	5.933	12953	**26.109**
135-TNB	6.141	24609	**0.101**
13-DNB	7.191	21878	**0.086**
TETRYL	7.500	14498	**0.075**
35-DNA	7.750	18581	**0.092**
NB	7.966	24097	**0.098**
246-TNT	9.074	14693	**0.090**
4-AM-26-DNT	9.358	11502	**0.060**
2-AM-46-DNT	9.716	18392	**0.076**
2-NT	12.124	11998	**0.079**
4-NT	12.833	11274	**0.097**
3-NT	13.791	13551	**0.107**

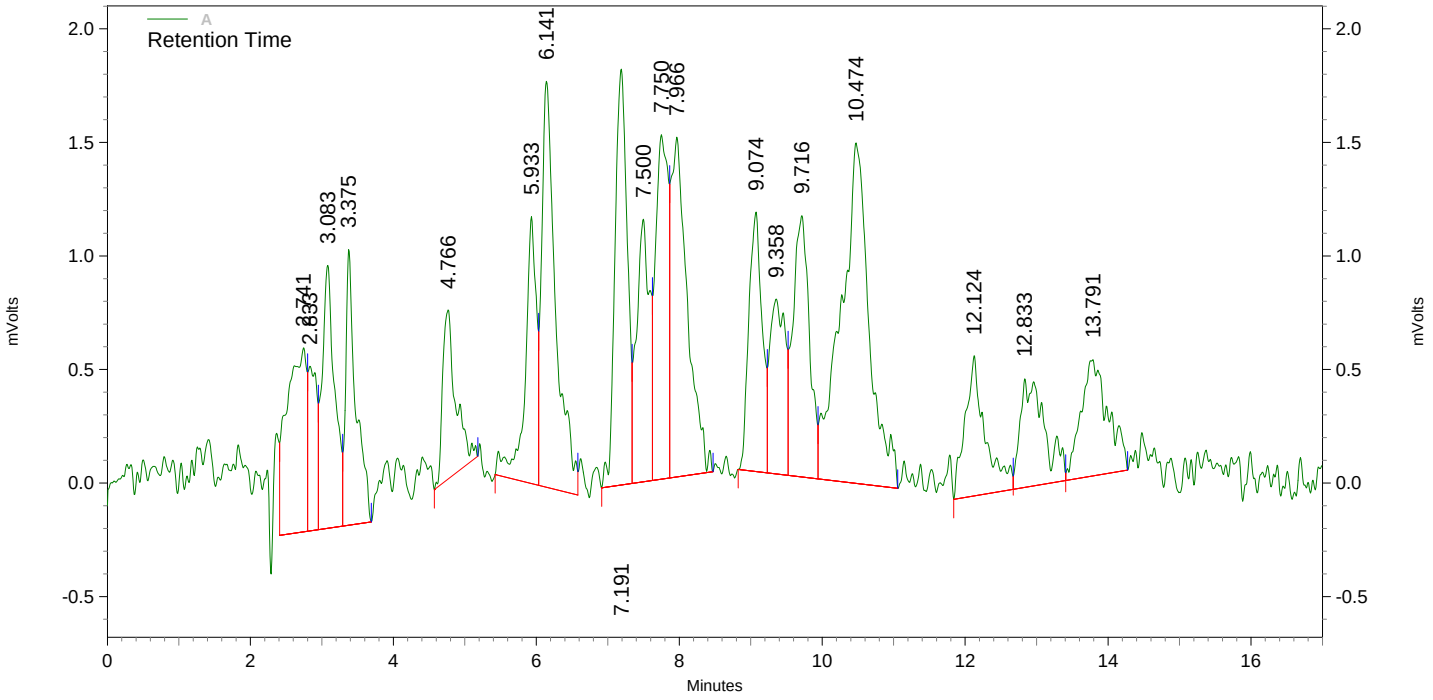
B Results

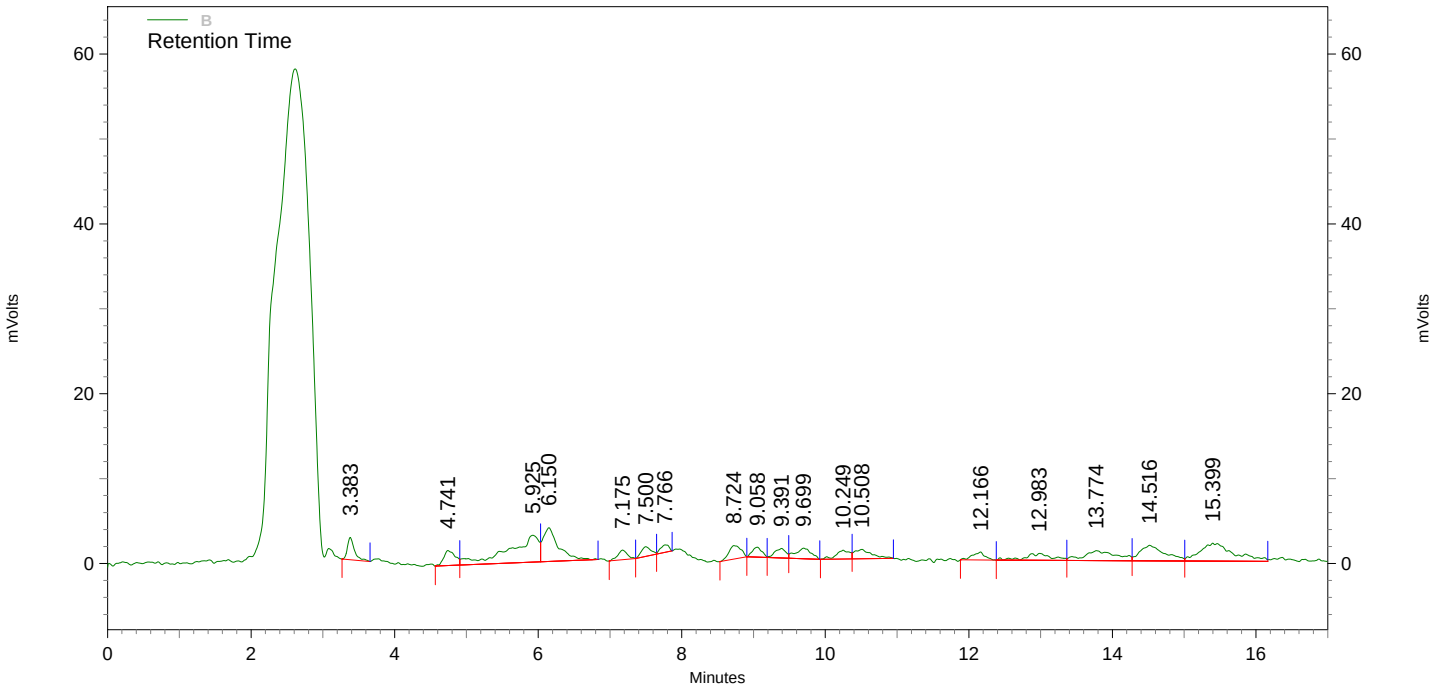
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.724	23881	**0.376**
26-DNT	10.249	13451	**0.089**
24-DNT	10.508	18235	**0.093**
PETN	14.516	43474	**0.482**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\034.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 8330 MRL check EXP 5069
Acquired: Aug 27, 2013 19:36:26
Data Summary: Reason #3,#4 applies to data. RED 8/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.375	12116	**0.134**
RDX	4.766	9522	**0.111**
12-DNB (SSTD)	5.933	12953	**26.109**
135-TNB	6.141	24609	**0.101**
13-DNB	7.191	21878	**0.086**
TETRYL	7.500	14498	**0.075**
35-DNA	7.750	18581	**0.092**
NB	7.966	24097	**0.098**
246-TNT	9.074	14693	**0.090**
4-AM-26-DNT	9.358	11502	**0.060**
2-AM-46-DNT	9.716	18392	**0.076**
2-NT	12.124	11998	**0.079**
4-NT	12.833	11274	**0.097**
3-NT	13.791	13551	**0.107**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.724	18464	**0.276**
26-DNT	10.249	13451	**0.089**
24-DNT	10.508	18235	**0.093**
PETN	14.516	43474	**0.482**

After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\035.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 8330 MDL check EXP 5070
Acquired: Aug 27, 2013 19:54:43
Data Summary: Reason #3 applies to data. RED 8/28/2013

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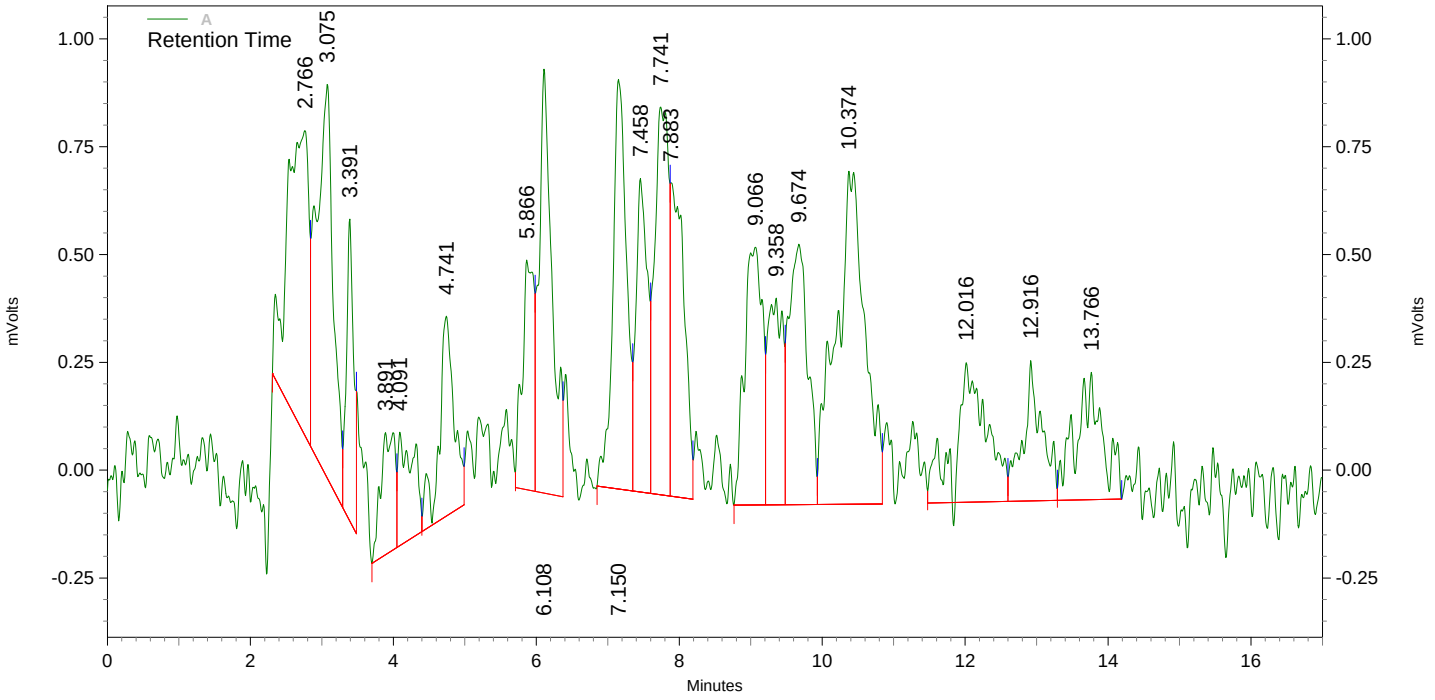
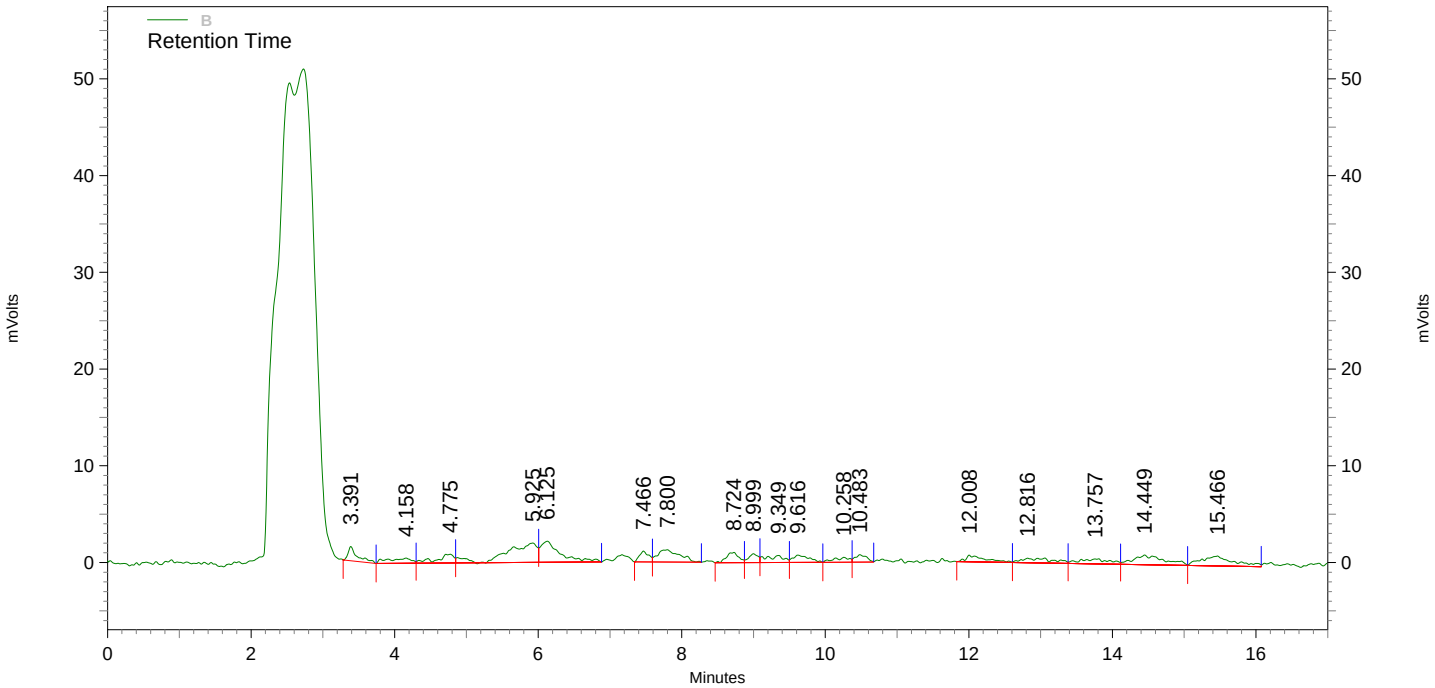




A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.391	4837	**0.011**
RDX	4.741	6719	**0.074**
12-DNB (SSTD)	5.866	5999	**7.979**
135-TNB	6.108	12487	**0.040**
13-DNB	7.150	12677	**0.043**
TETRYL	7.458	8094	**0.025**
35-DNA	7.741	12258	**0.051**
NB	7.883	9565	**0.034**
246-TNT	9.066	10355	**0.055**
4-AM-26-DNT	9.358	7033	**0.025**
2-AM-46-DNT	9.674	11175	**0.035**
2-NT	12.016	9726	**0.056**
4-NT	12.916	5949	**0.039**
3-NT	13.766	7522	**0.058**

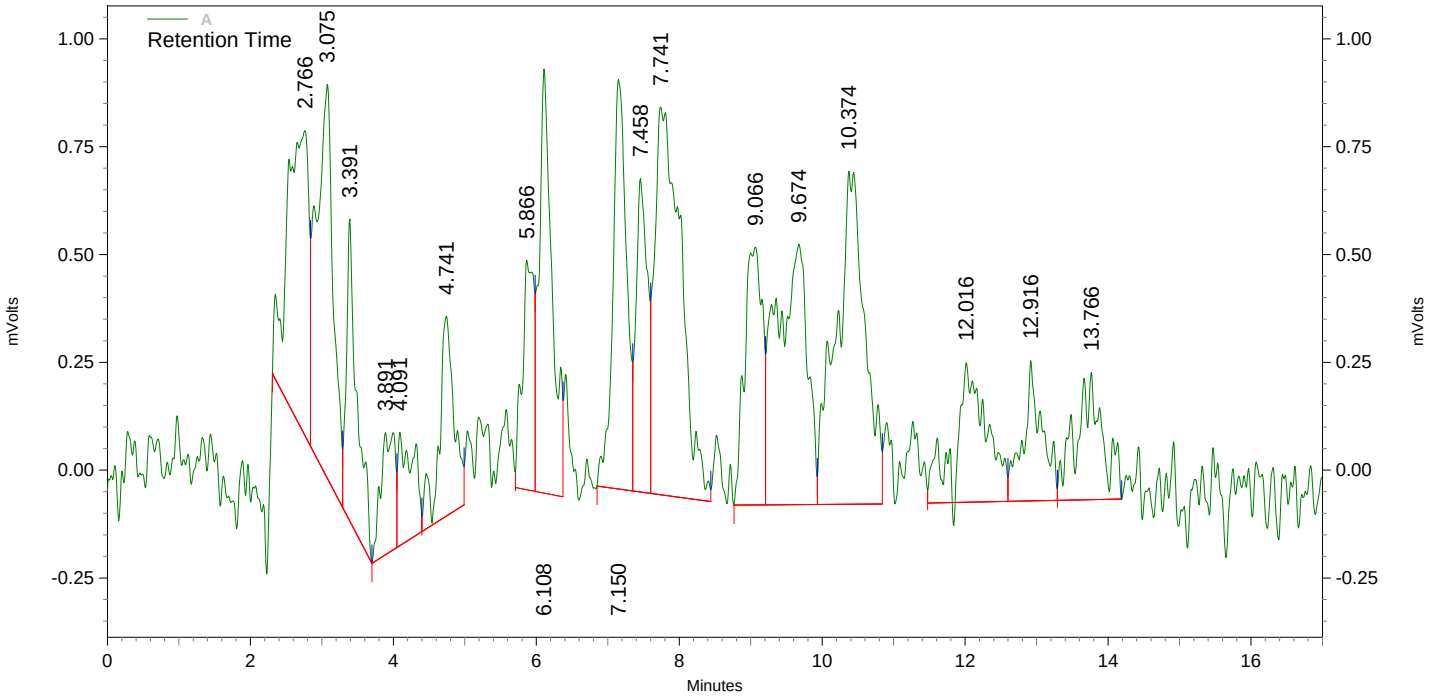
B Results

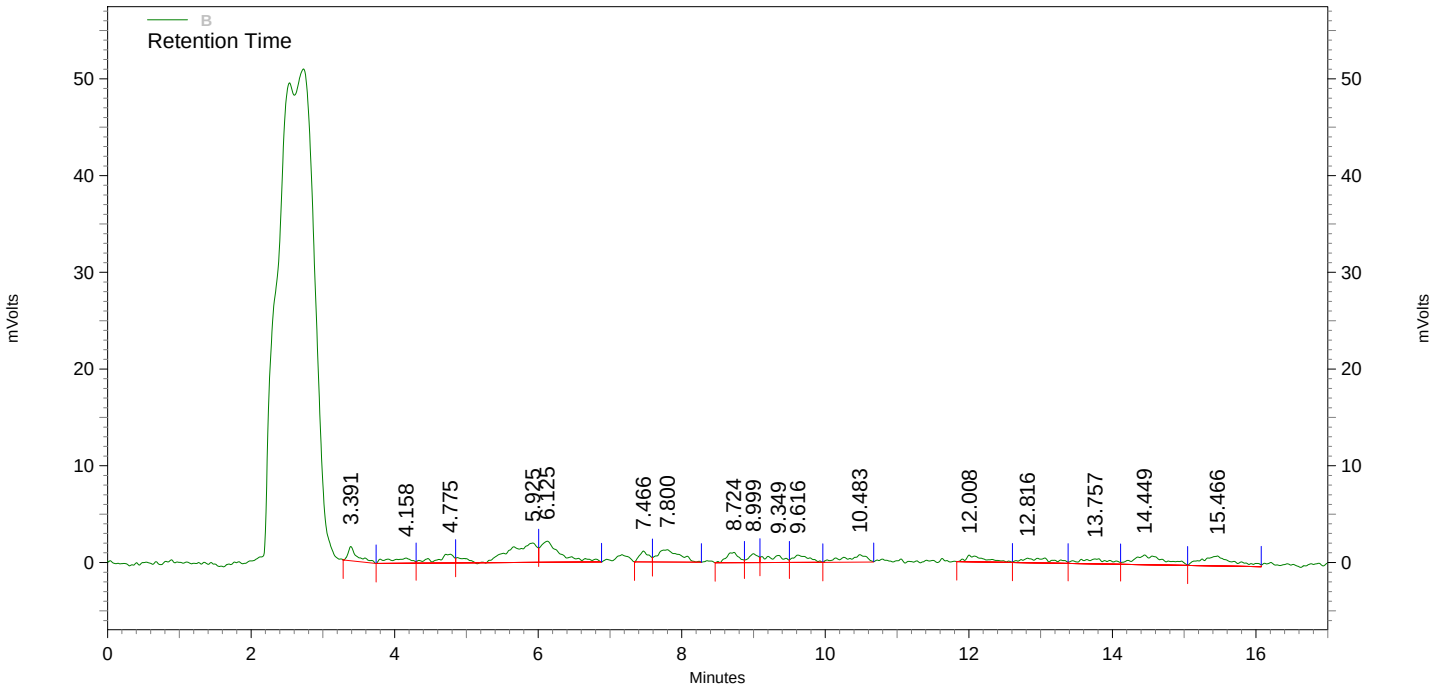
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.724	12537	**0.168**
26-DNT	10.258	7497	**0.047**
24-DNT	10.483	8412	**0.046**
PETN	14.449	29469	**0.302**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 2\Data\082713exp-primary\035.dat
User ID: RED
Method: C:\Instarch\HPLC 2\Methods\8330A_B\primary\042513expic-primary\082713exp-primary.met
Sample ID: 8330 MDL check EXP 5070
Acquired: Aug 27, 2013 19:54:43
Data Summary: Reason #3 applies to data. RED 8/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
HMX	3.391	7183	**0.050**
RDX	4.741	6719	**0.074**
12-DNB (SSTD)	5.866	5999	**7.979**
135-TNB	6.108	12487	**0.040**
13-DNB	7.150	12677	**0.043**
TETRYL	7.458	8094	**0.025**
35-DNA	7.741	23074	**0.121**
NB			**0.000 BDL**
246-TNT	9.066	10355	**0.055**
4-AM-26-DNT			**0.000 BDL**
2-AM-46-DNT	9.674	18208	**0.075**
2-NT	12.016	9726	**0.056**
4-NT	12.916	5949	**0.039**
3-NT	13.766	7522	**0.058**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NG	8.724	12537	**0.168**
26-DNT			**0.000 BDL**
24-DNT	10.483	15909	**0.082**
PETN	14.449	29469	**0.302**

QC Check Standard Report

RED
09/05/2013

Sequence : C:\Instarch\HPLC 1\Sequence\NQ\082813NQ-primary.seq
User : RED
Printed : Aug 29, 2013 09:50:13

File	Sample ID	Acquired
C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\003.dat	NQ MRL check EXP 5074	Aug 29, 2013 09:50:13

A

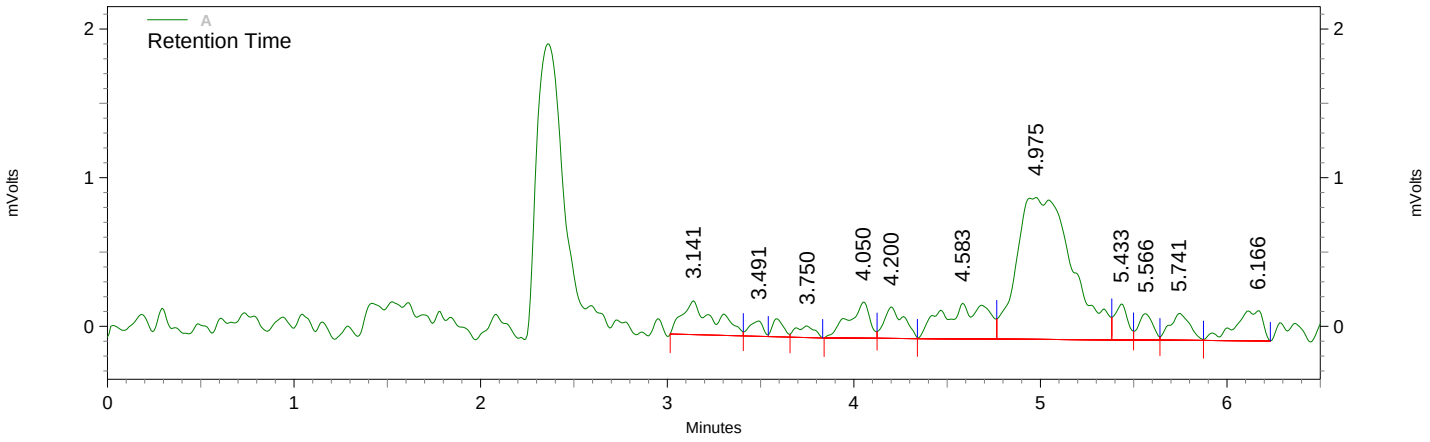
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
12-DNB (SSTD)	32.000	39.575	23.673	30.000	Passed

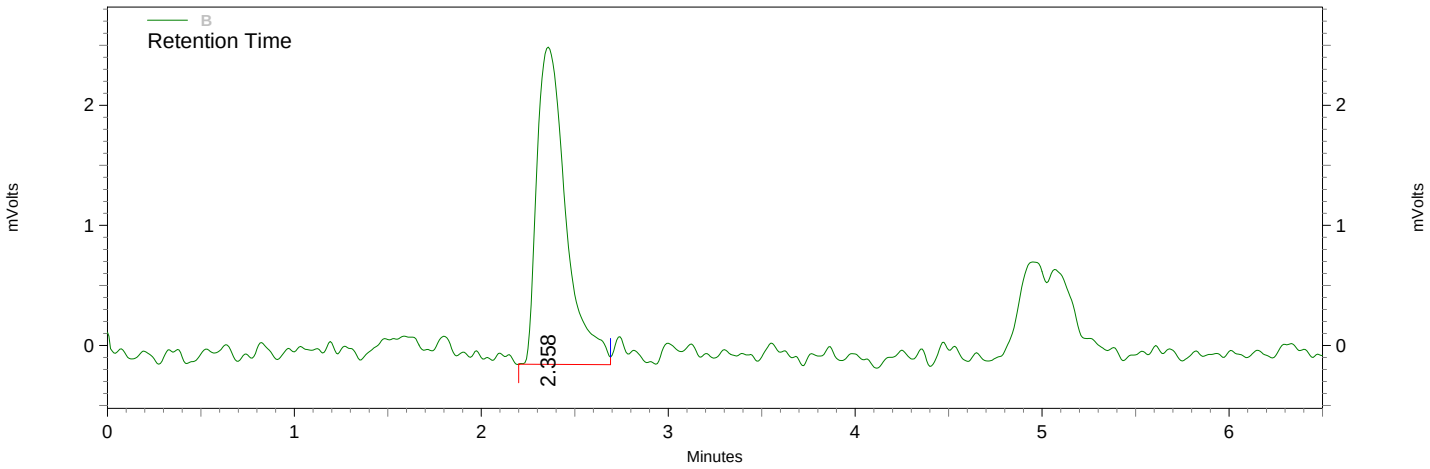
B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NQ	0.080	0.058	26.988	30.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\003.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: NQ MRL check EXP 5074
Acquired: Aug 28, 2013 10:03:22
Data Summary: {Data Description}





A Results

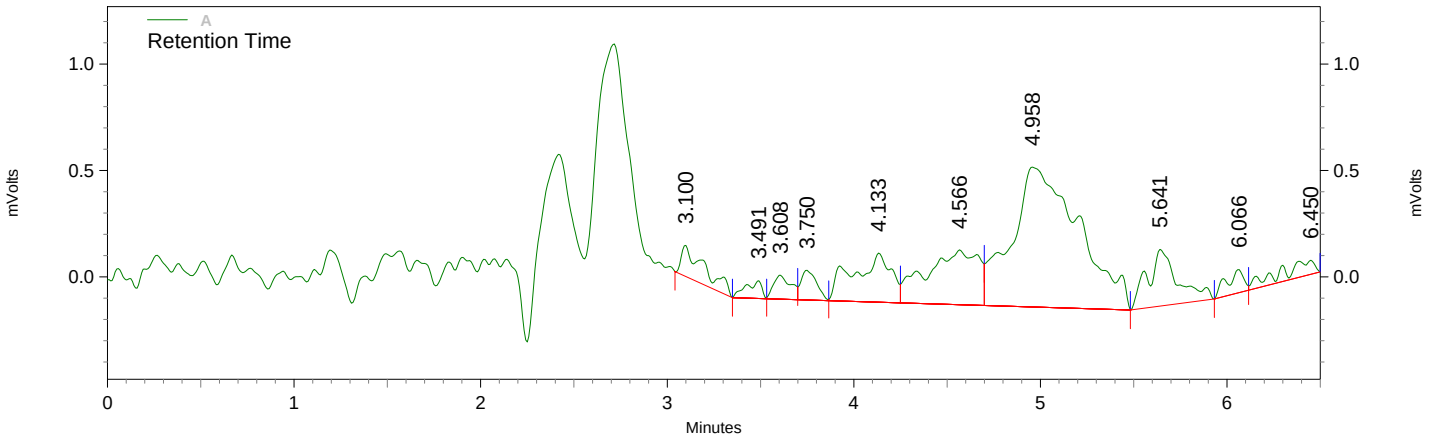
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.975	19813	**39.575**

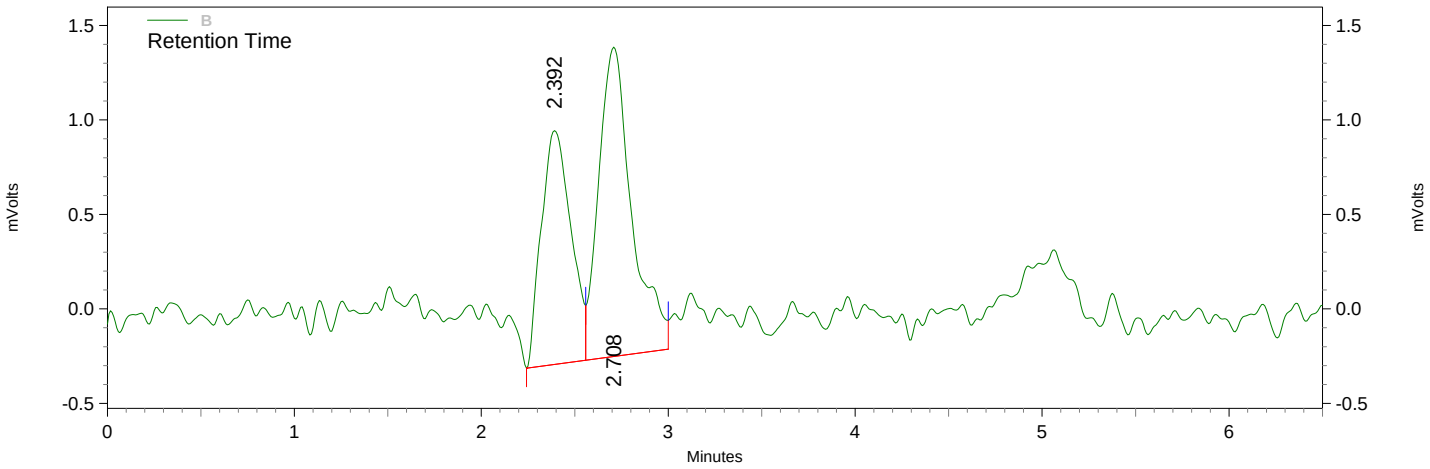
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.358	28361	**0.058**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\004.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: NQ MDL check EXP 5073
Acquired: Aug 28, 2013 10:11:33
Data Summary: {Data Description}





A Results

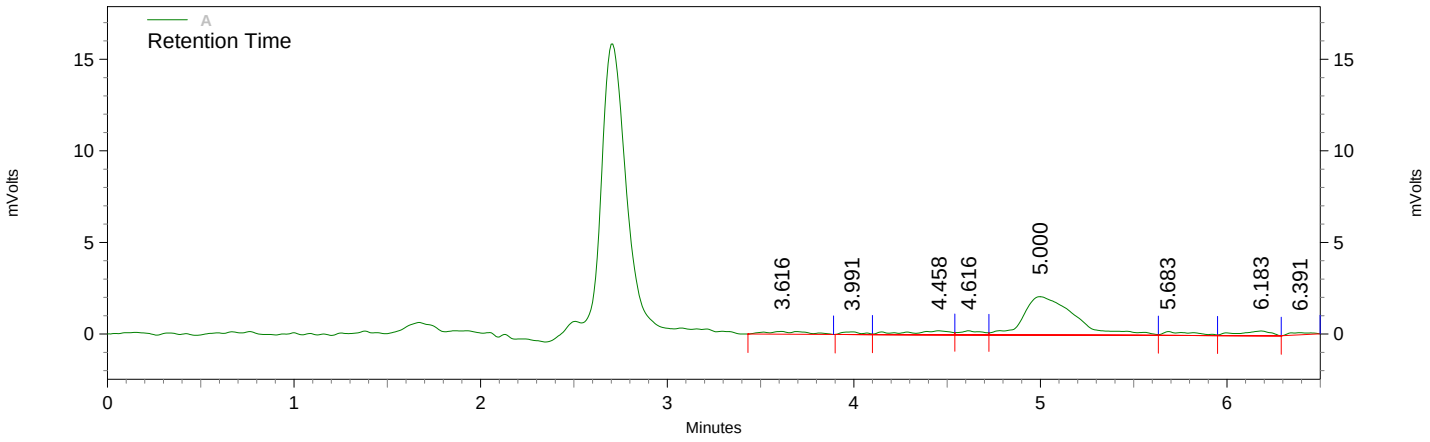
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.958	16571	**32.851**

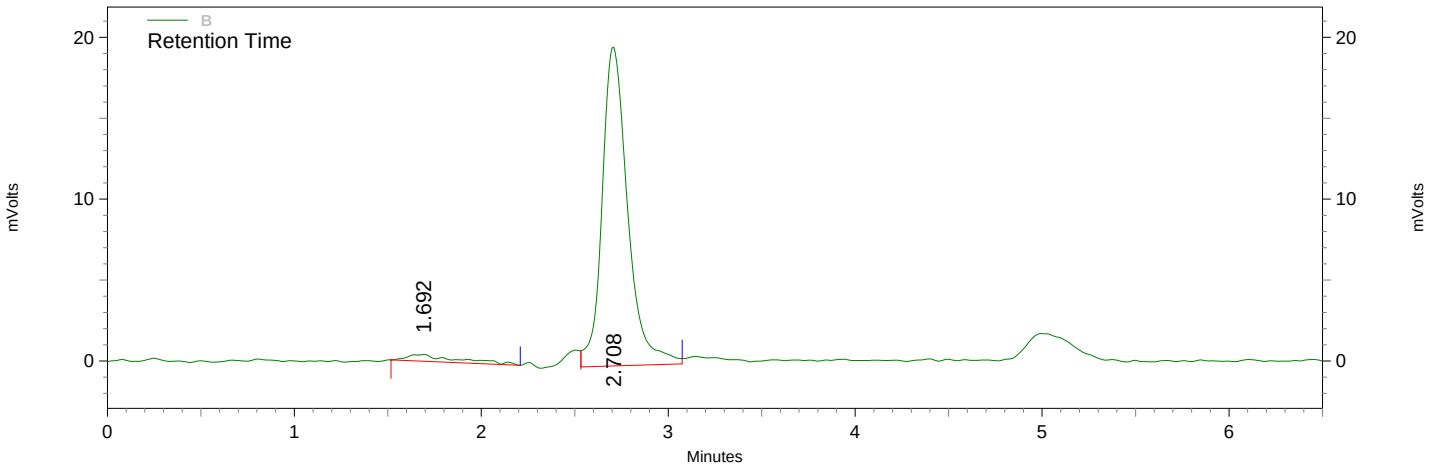
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.392	13619	**0.017**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\005.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,MBS,
Acquired: Aug 28, 2013 10:19:44
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.000	39995	**81.436**

B Results

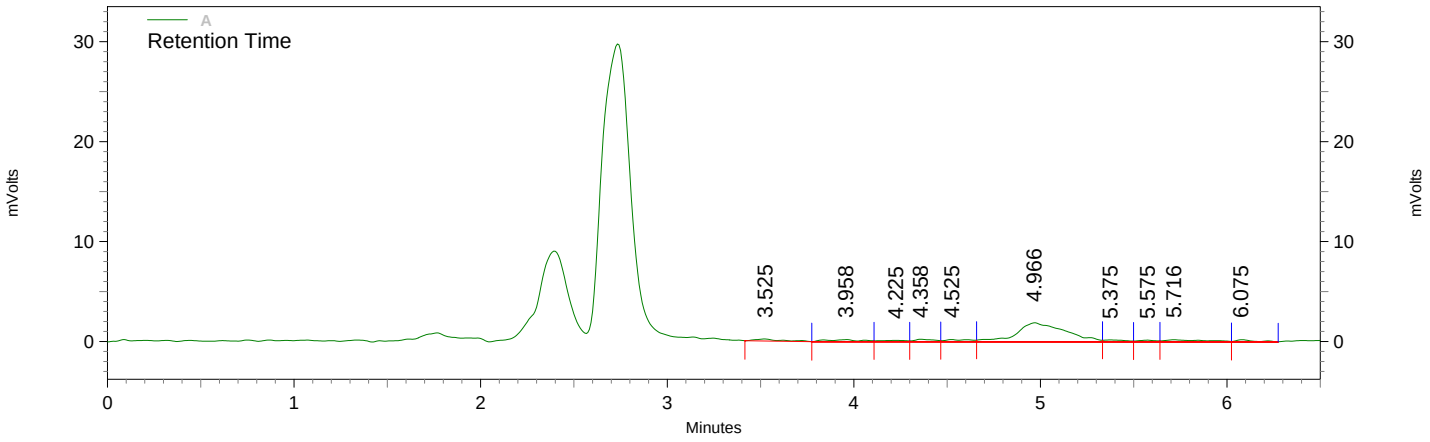
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

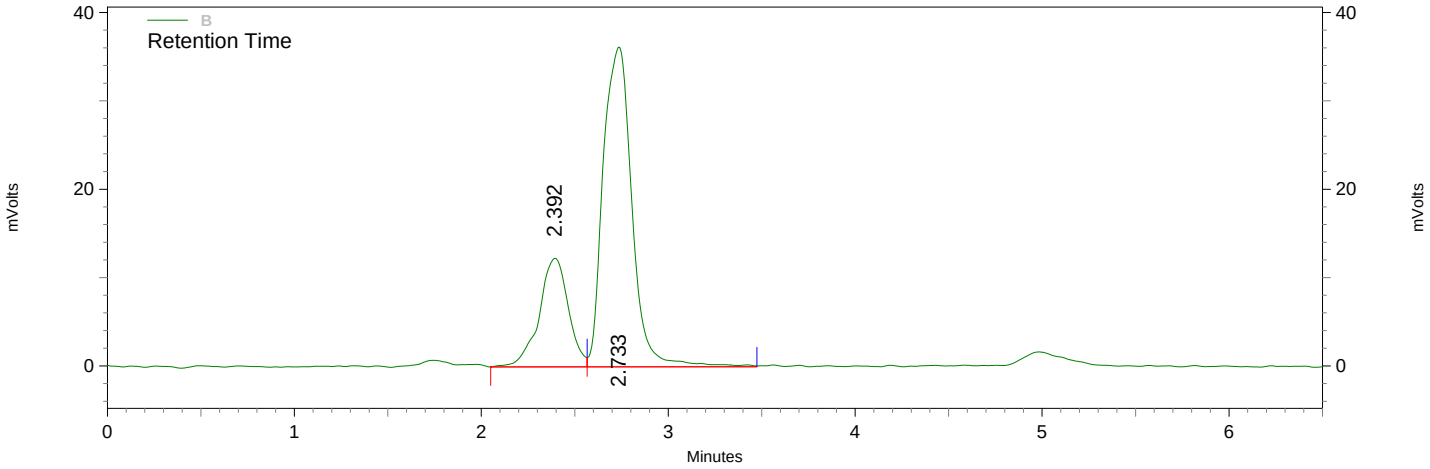
After Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\006.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,LCSS,
Acquired: Aug 28, 2013 10:27:56
Data Summary: Reason #4 applies to data. RED 8/28/2013

JJY
08/29/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.966	33860	**68.711**

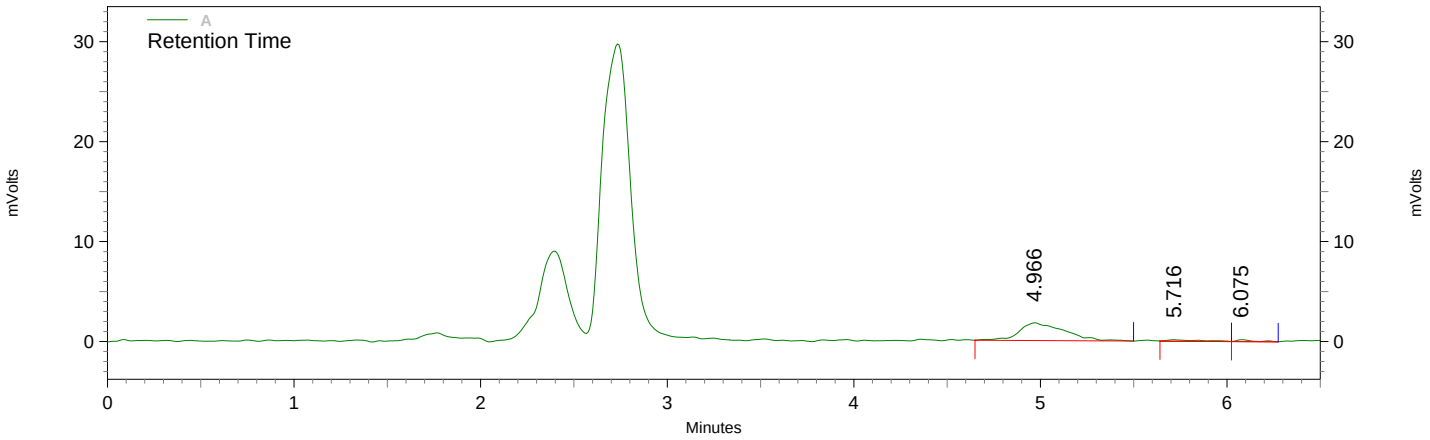
B Results

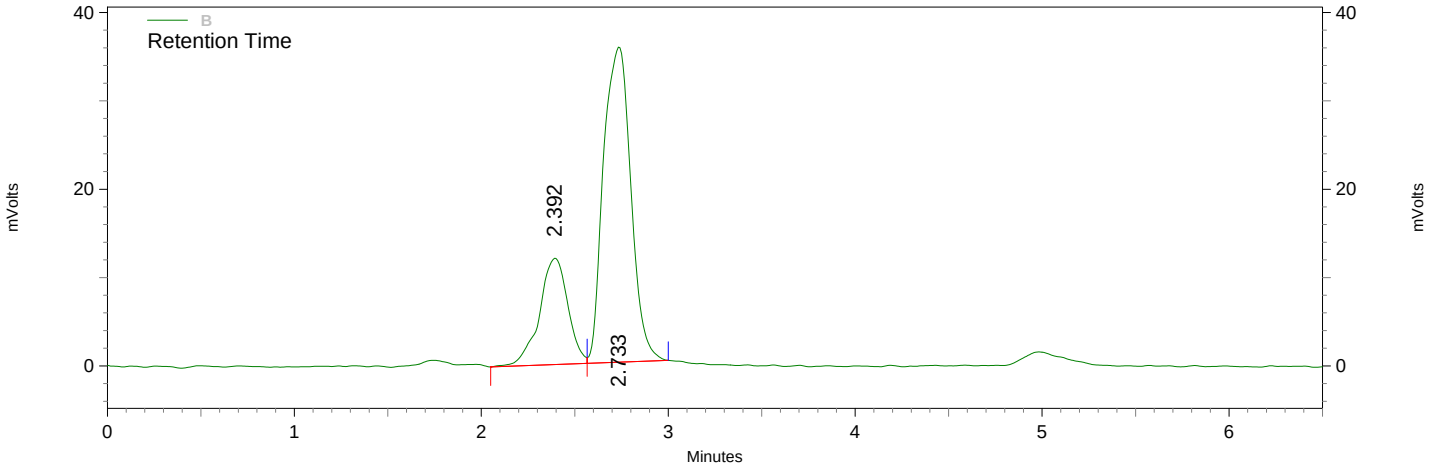
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.392	133324	**0.356**

Before Manual Integration

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\006.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,LCSS,
Acquired: Aug 28, 2013 10:27:56
Data Summary: Reason #4 applies to data. RED 8/28/2013





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.966	30177	**61.072**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.392	127150	**0.344**

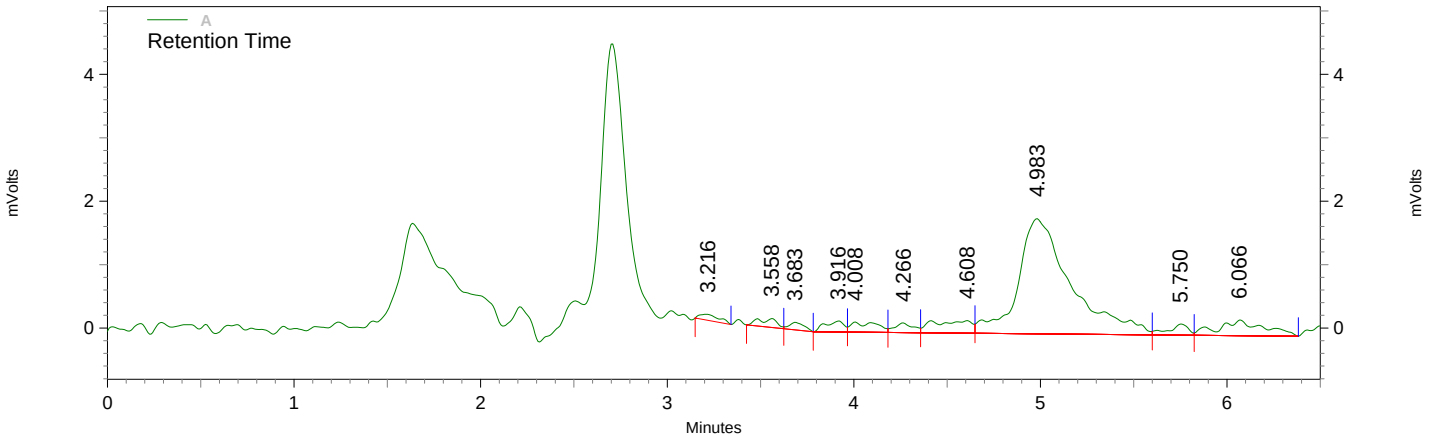
Triplicate Sample Analysis Relative Standard Deviation Calculations

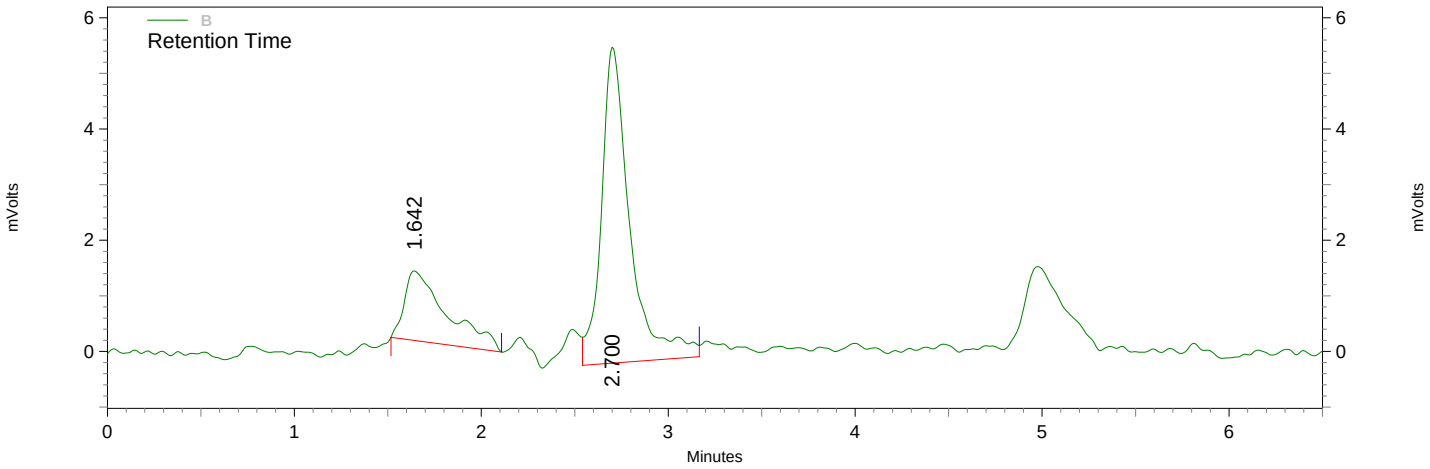
Analyst: RED
Sample ID: 337815
Analysis Date: 08 28 2013
Data path: C:\Instarch\HPLC 1\Data\NQ\082813NQ-primary

	Analyte Concentration (ug/mL)						
e	Parent Sample	Duplicate Sample	Triplicate Sample	Mean Conc. (ug/mL)	Standard Deviation	%RSD	Flag (>20% RSD)
Analyt Nitroguanidine (NQ)	0	0	0	0	0	#DIV/0!	#DIV/0!
1.2-Dinitrobenzene (SSTD)	61.333	72.154	61.001	64.8293333	6.3455191	9.788037	

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\011.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: DUP 337815
Acquired: Aug 28, 2013 11:08:57
Data Summary: {Data Description}





A Results

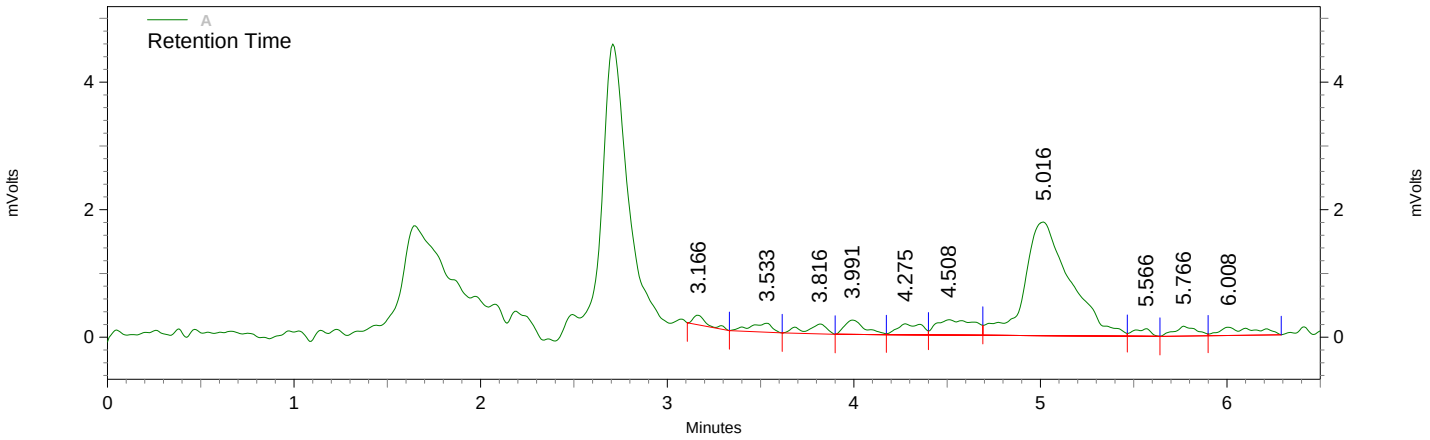
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	4.983	35520	**72.154**

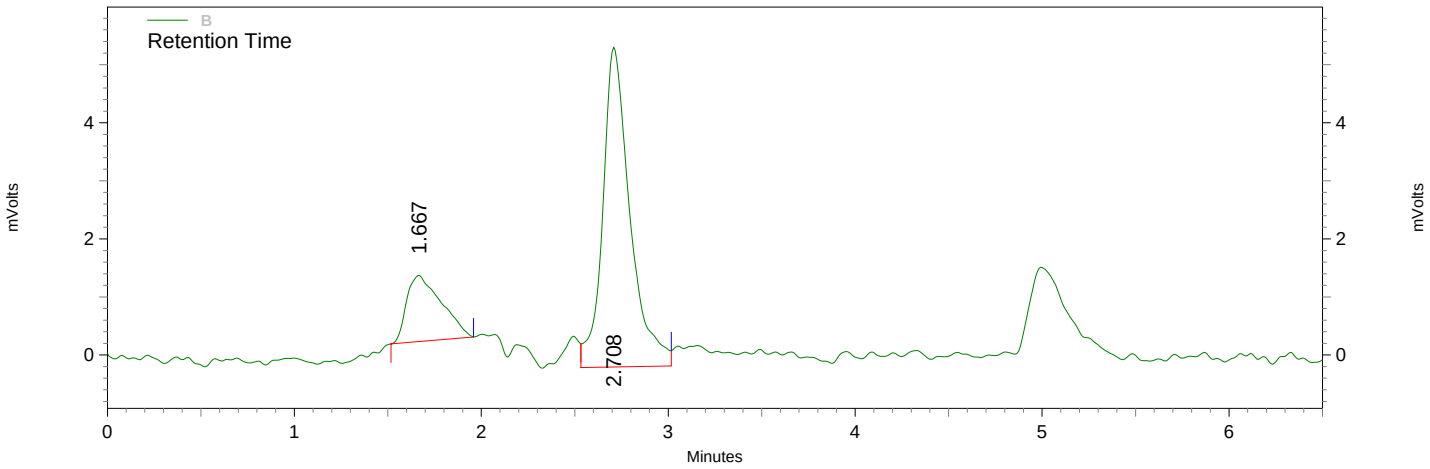
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\012.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: TRIP 337815
Acquired: Aug 28, 2013 11:17:10
Data Summary: {Data Description}





A Results

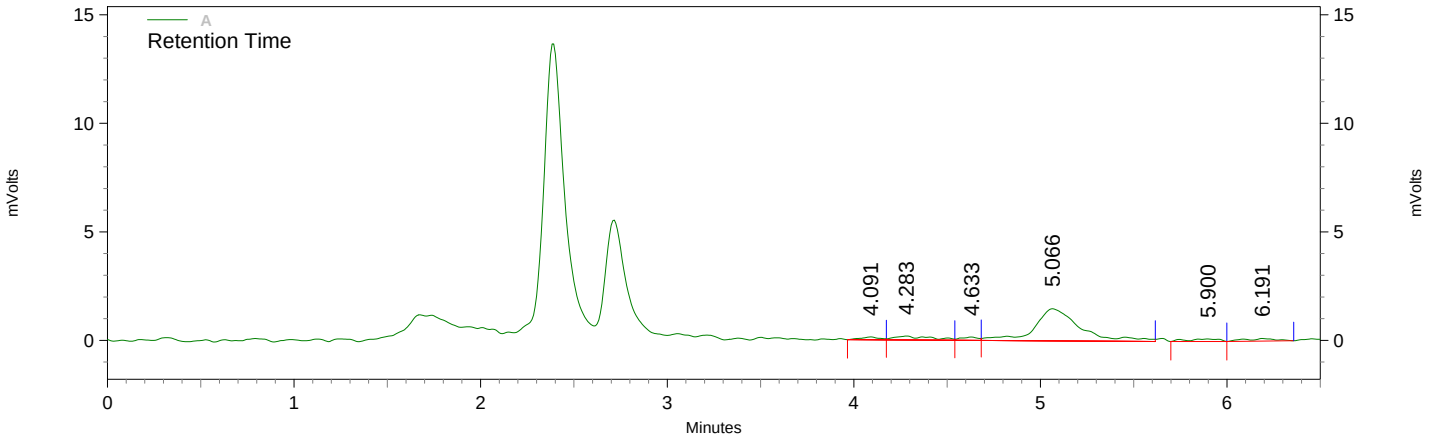
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.016	30143	**61.001**

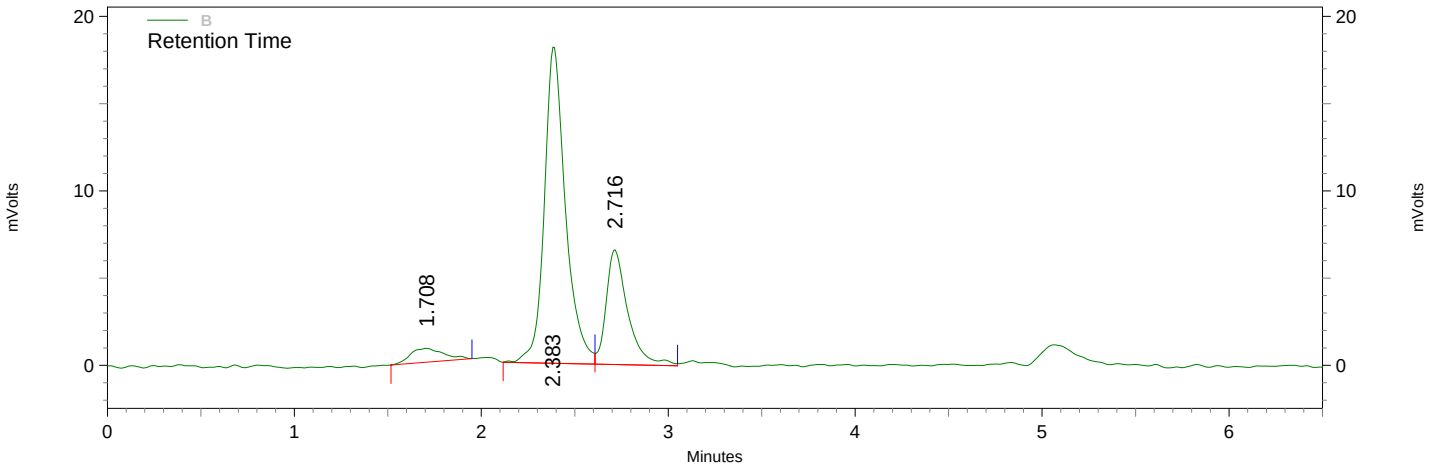
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\023.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,MSS337815,
Acquired: Aug 28, 2013 12:47:17
Data Summary: {Data Description}





A Results

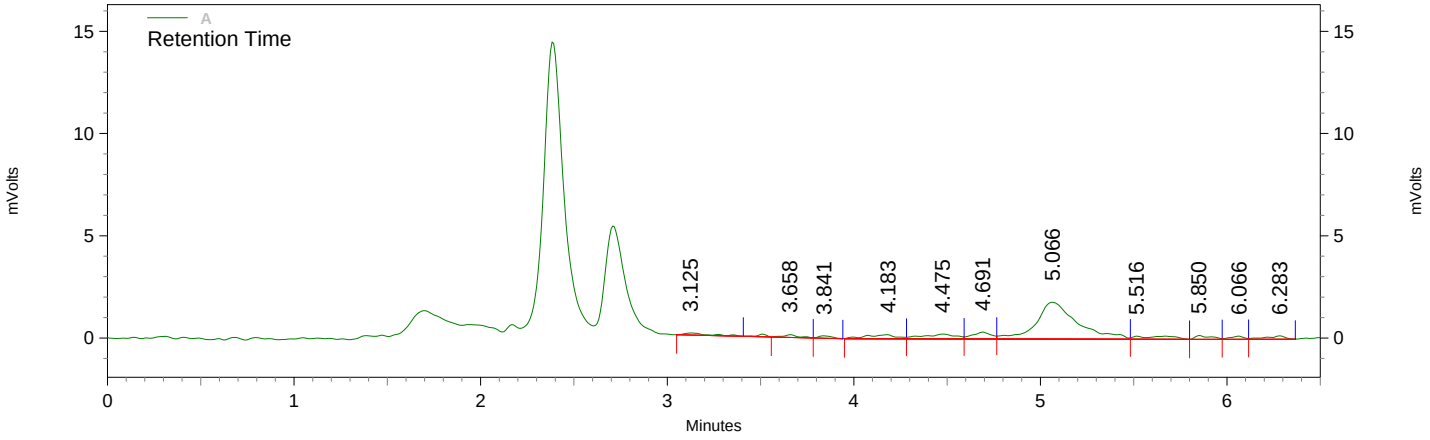
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.066	25007	**50.348**

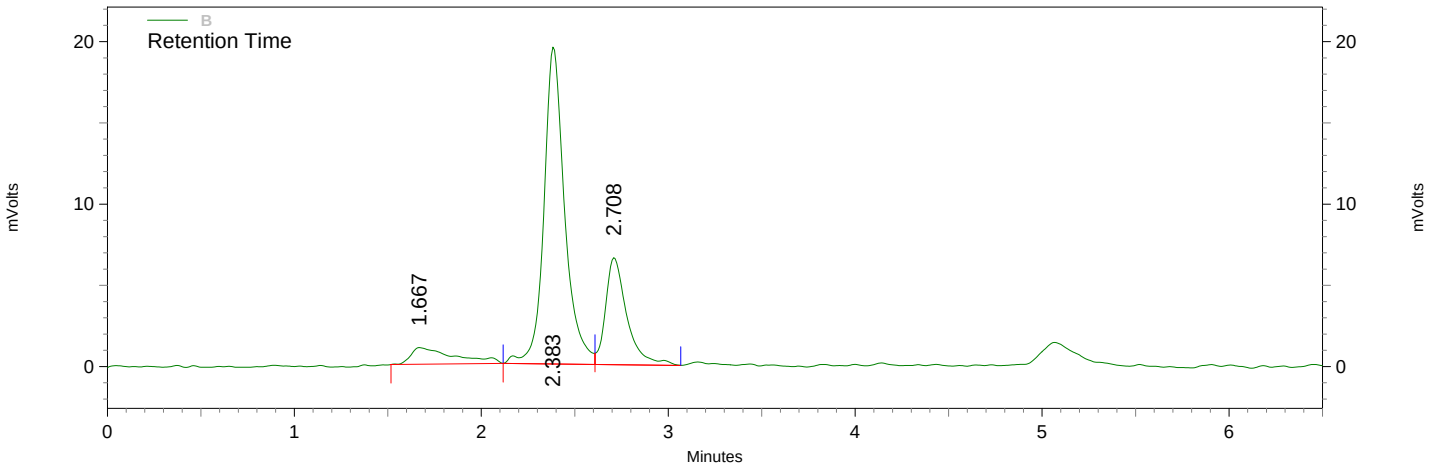
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.383	142986	**0.384**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\024.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: 97061,MSDS337815,
Acquired: Aug 28, 2013 12:55:30
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.066	27592	**55.710**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.383	151040	**0.407**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 1\Sequence\NQ\082813NQ-primary.seq
User : RED
Printed : Aug 29, 2013 09:52:28

File	Sample ID	Acquired
C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\058.dat	NQ MRL check EXP 5074	Aug 29, 2013 09:52:28

A

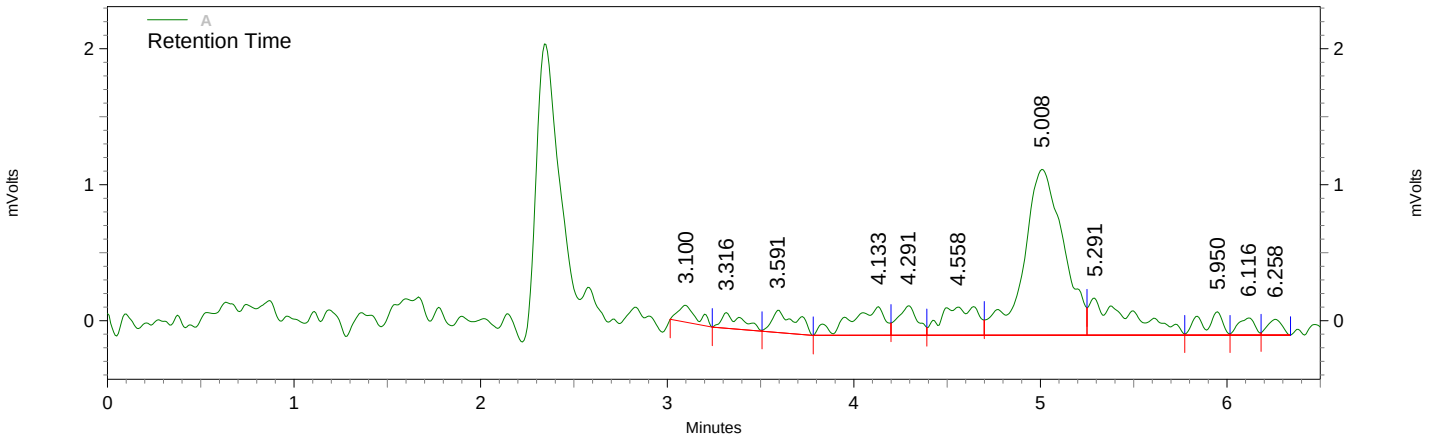
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
12-DNB (SSTD)	32.000	35.887	12.148	30.000	Passed

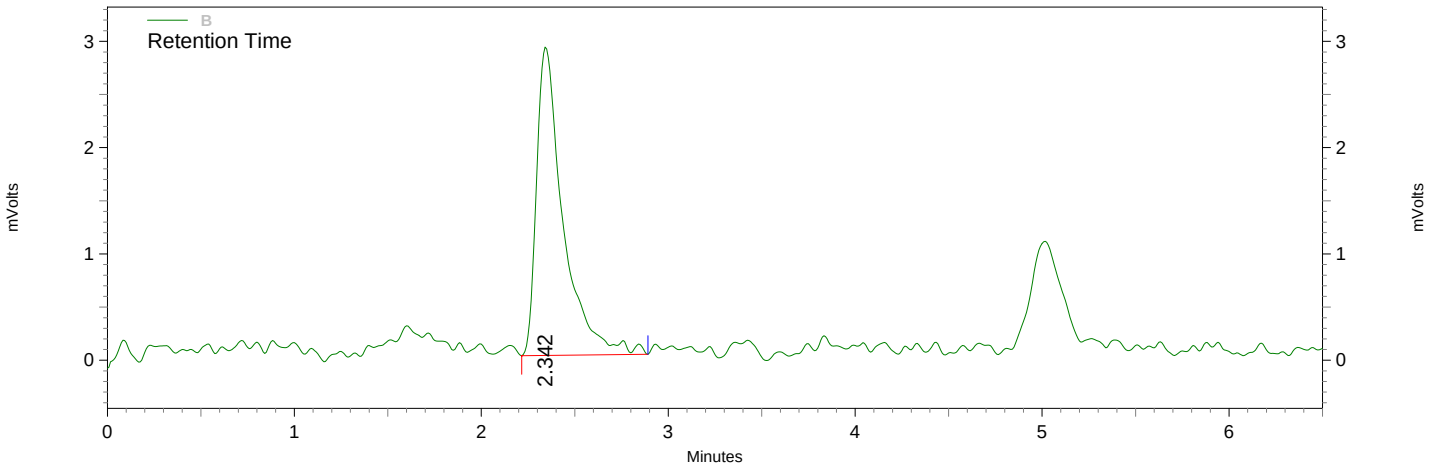
B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NQ	0.080	0.059	25.846	30.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\058.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: NQ MRL check EXP 5074
Acquired: Aug 28, 2013 17:33:53
Data Summary: {Data Description}





A Results

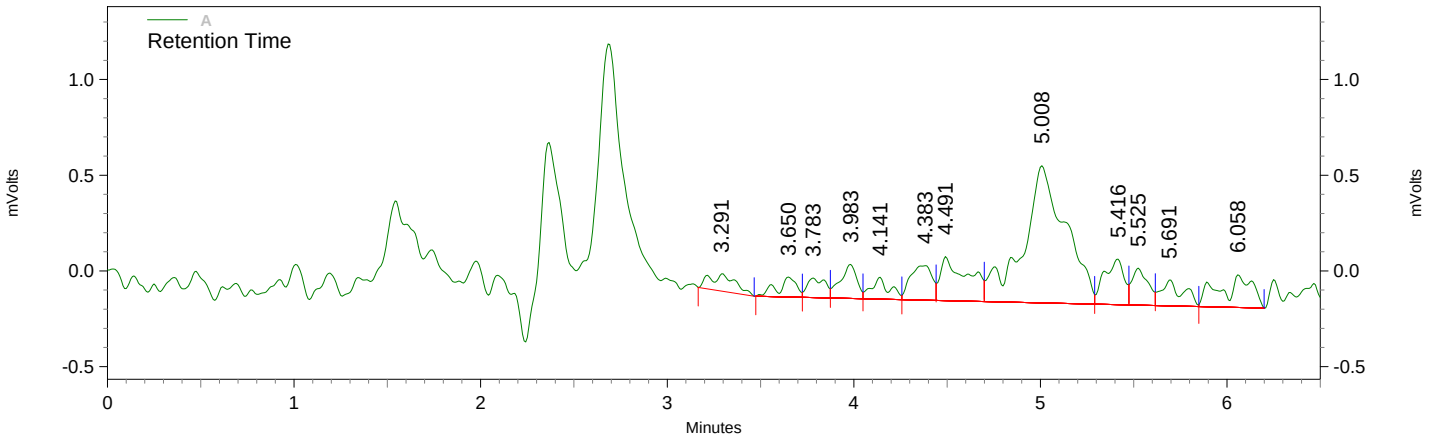
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.008	18035	**35.887**

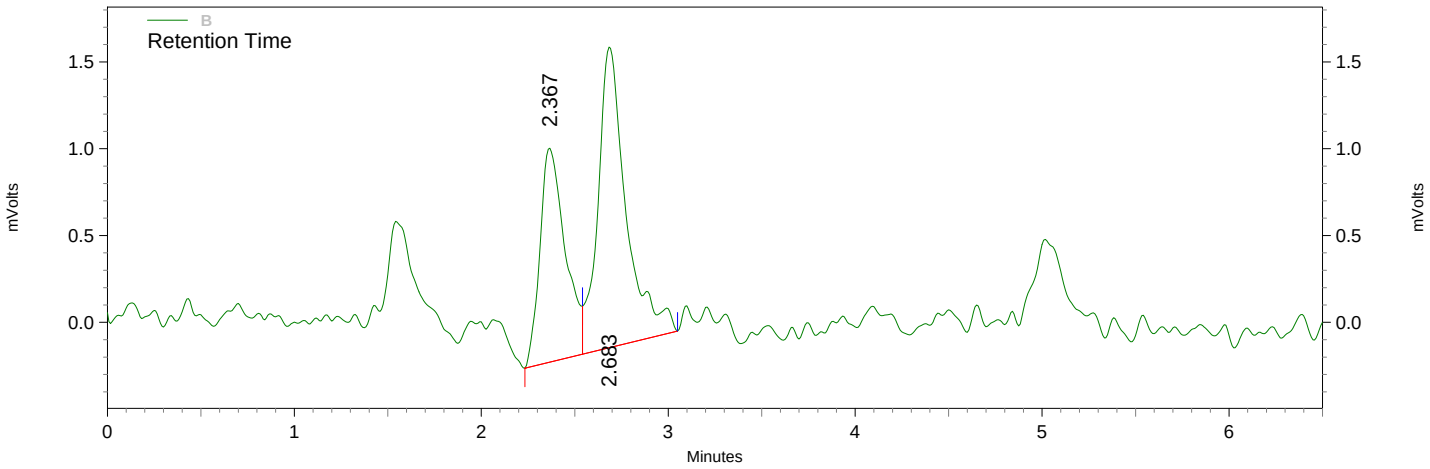
B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.342	28683	**0.059**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082813nq-primary\059.dat
User ID: **RED**
Method: C:\Instarch\HPLC 1\Methods\NQ\121712nqic-primary\082813NQ-primary.met
Sample ID: NQ MDL check EXP 5073
Acquired: Aug 28, 2013 17:42:03
Data Summary: {Data Description}





A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	5.008	11331	**21.982**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.367	11515	**0.011**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 1\Sequence\NQ\082913NQ-confirm.seq
User : RED
Printed : Sep 05, 2013 10:27:46

File	Sample ID	Acquired
C:\Instarch\HPLC 1\Data\NQ\082913nq-confirm\003.dat	NQ MRL check EXP 5074	Sep 05, 2013 10:27:46

A

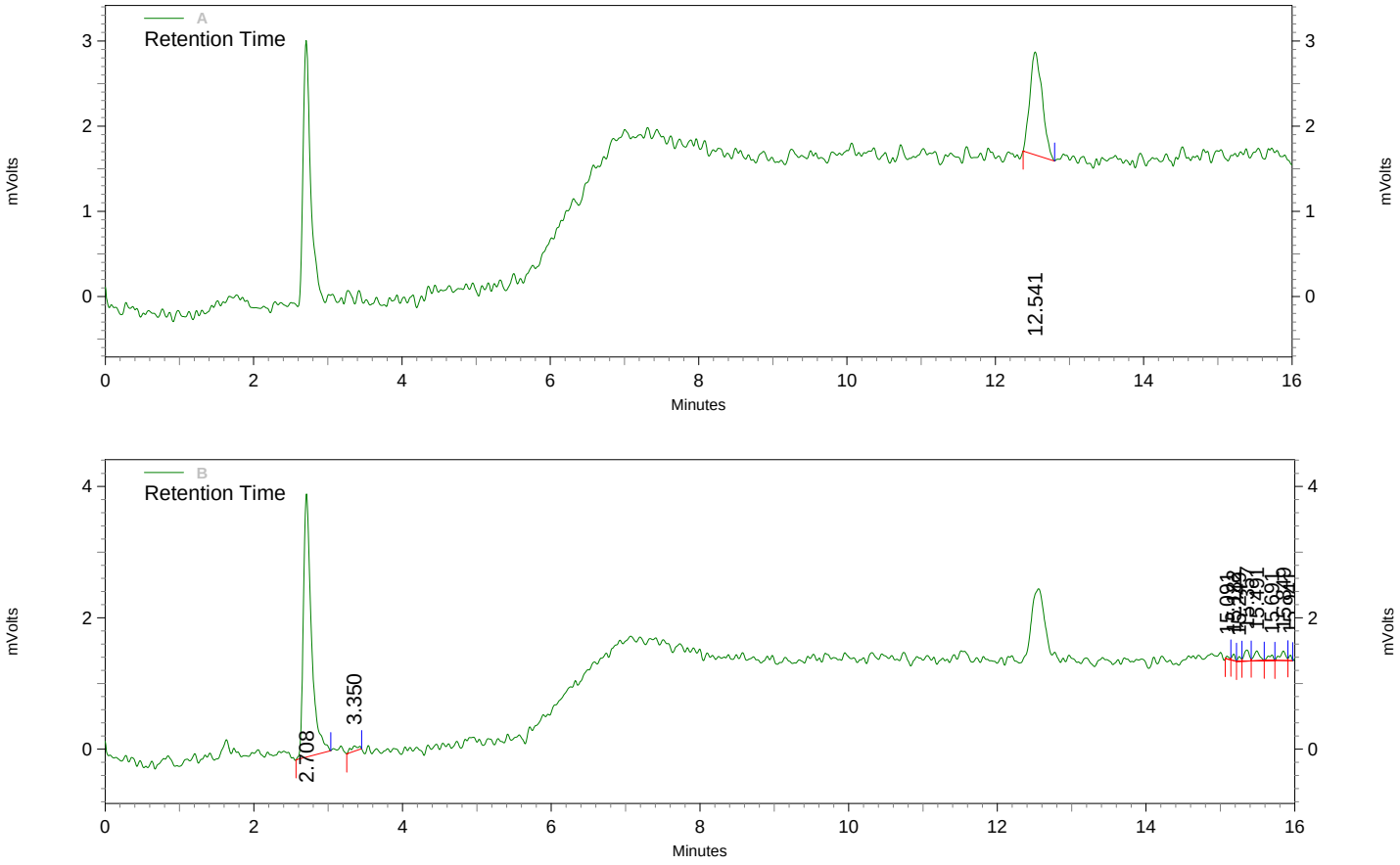
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
12-DNB (SSTD)	32.000	34.059	6.436	30.000	Passed

B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NQ	0.080	0.074	7.017	30.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082913nq-confirm\003.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\082913NQ-confirm.met
User ID: RED
Sample ID: NQ MRL check EXP 5074
Acquired: Aug 29, 2013 10:54:22
Data summary: {Data Description}



A Results

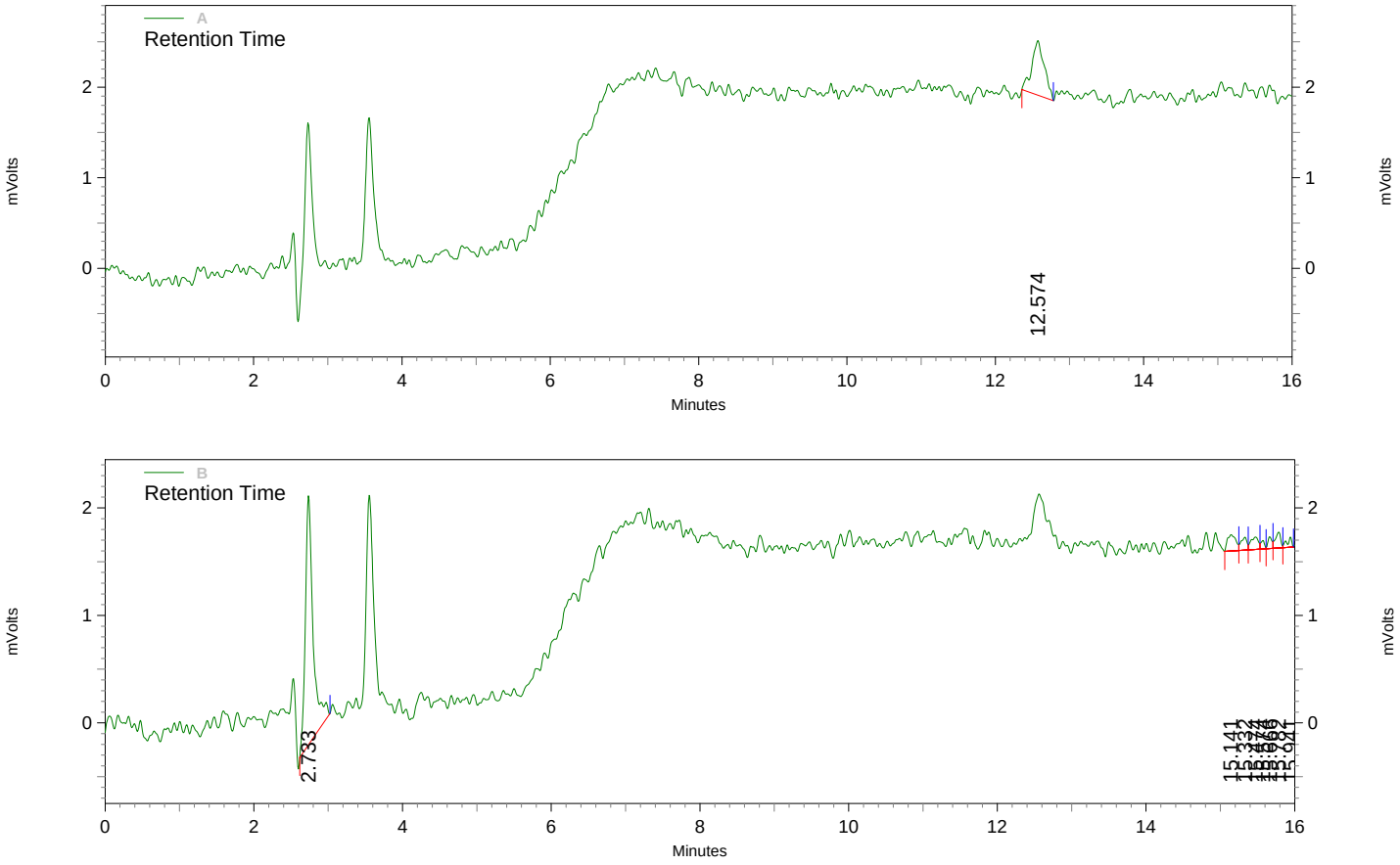
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	12.541	14062	**34.059**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.708	30057	**0.074**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082913nq-confirm\004.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\082913NQ-confirm.met
User ID: RED
Sample ID: NQ MDL check EXP 5073
Acquired: Aug 29, 2013 11:11:34
Data summary: {Data Description}



A Results

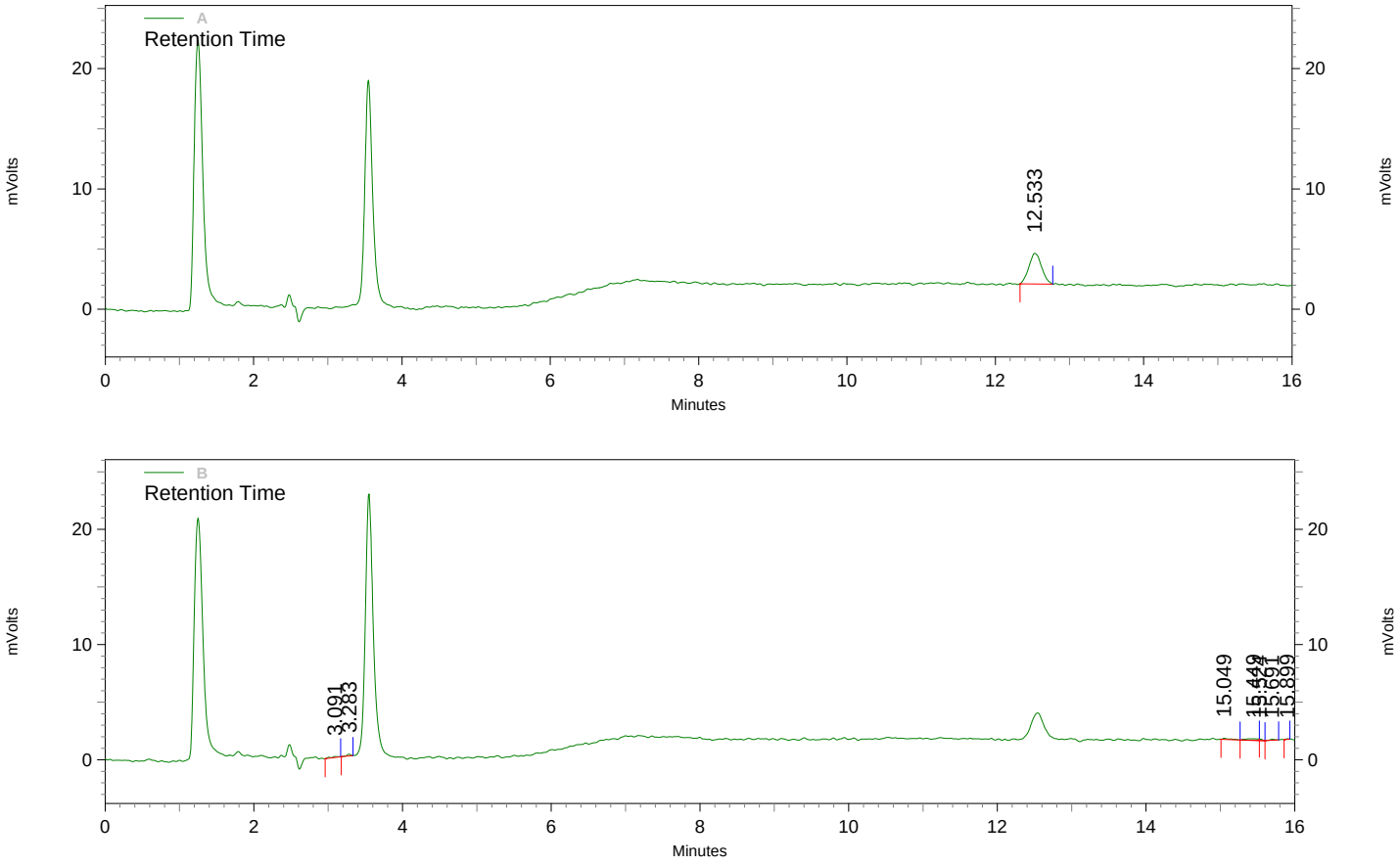
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	12.574	7102	**16.841**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.733	16589	**0.031**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082913nq-confirm\005.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\082913NQ-confirm.met
User ID: **RED**
Sample ID: 97061,MBS,
Acquired: Aug 29, 2013 11:28:45
Data summary: {Data Description}



A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	12.533	30324	**74.290**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ			**0.000 BDL**

QC Check Standard Report

Sequence : C:\Instarch\HPLC 1\Sequence\NQ\082913NQ-confirm.seq
User : RED
Printed : Sep 05, 2013 10:28:00

File	Sample ID	Acquired
C:\Instarch\HPLC 1\Data\NQ\082913nq-confirm\007.dat	NQ MRL check EXP 5074	Sep 05, 2013 10:28:00

A

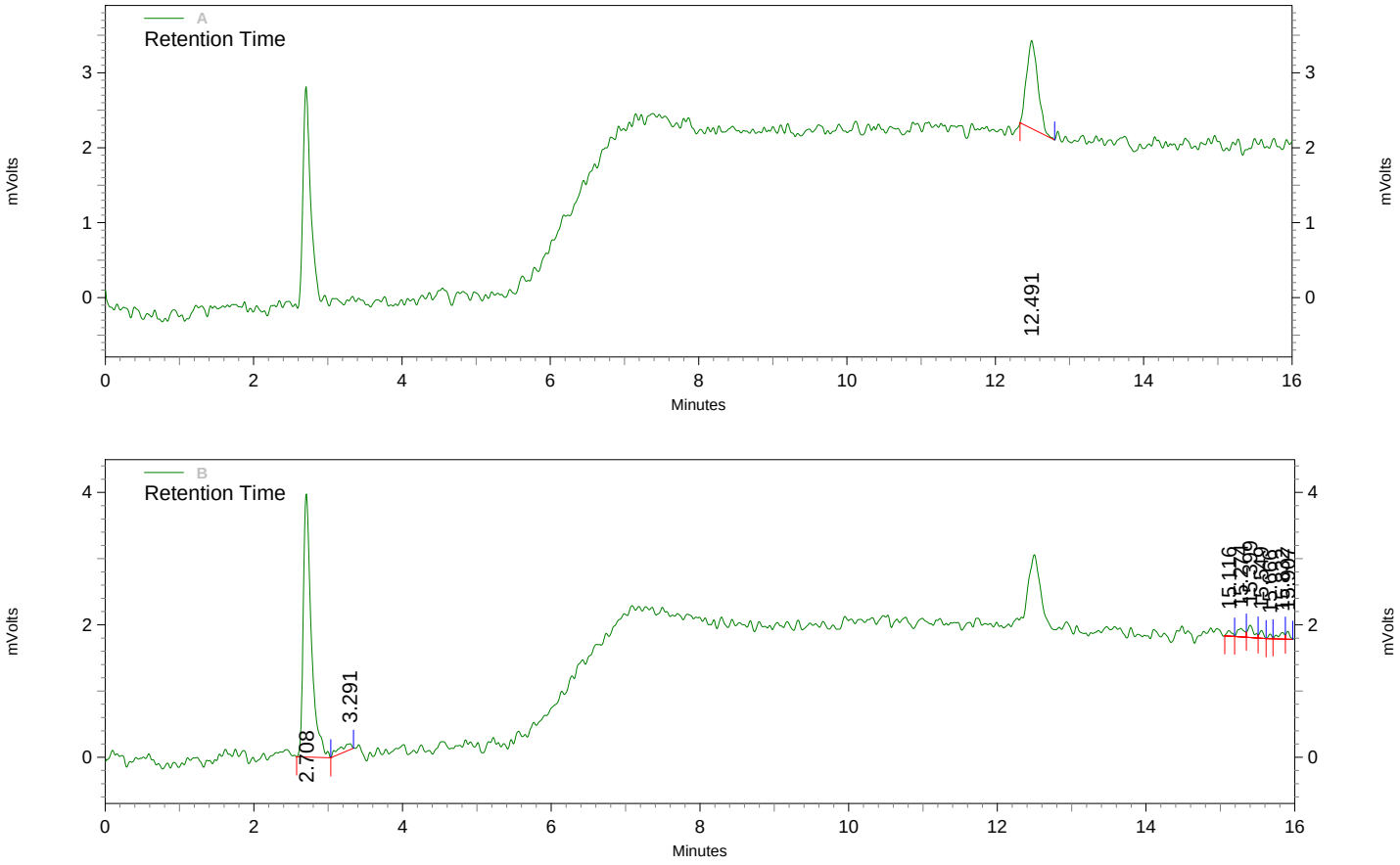
Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
12-DNB (SSTD)	32.000	30.138	5.818	30.000	Passed

B

Compound	Expected Conc.	Actual Conc.	%RD Actual	%RD Limit	Status
NQ	0.080	0.074	7.350	30.000	Passed

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082913nq-confirm\007.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\082913NQ-confirm.met
User ID: **RED**
Sample ID: NQ MRL check EXP 5074
Acquired: Aug 29, 2013 12:03:08
Data summary: {Data Description}



A Results

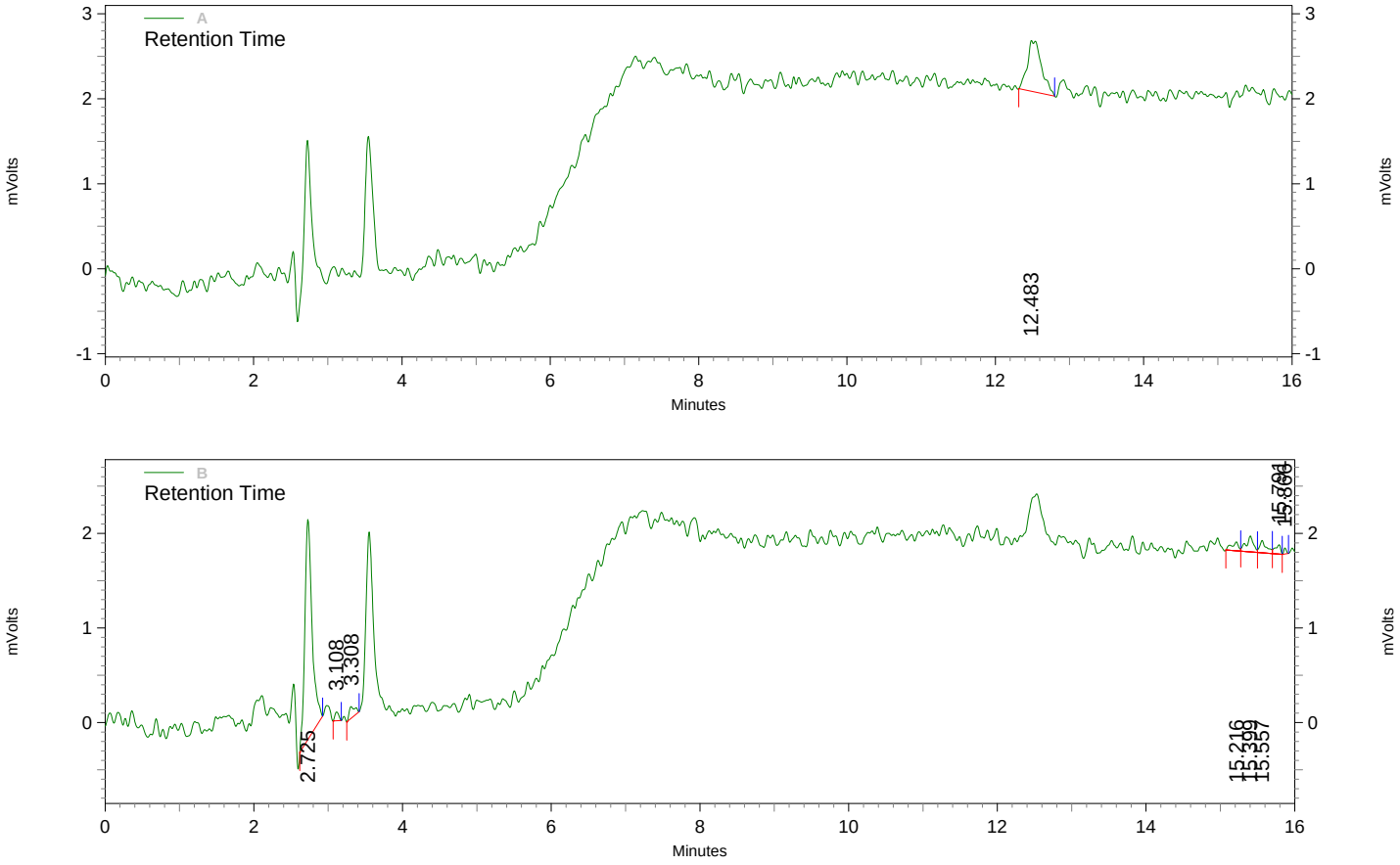
Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	12.491	12477	**30.138**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.708	29975	**0.074**

Explosives - 8330

File: C:\Instarch\HPLC 1\Data\NQ\082913nq-confirm\008.dat
Method: C:\Instarch\HPLC 1\Methods\NQ\121812nqic-confirm\082913NQ-confirm.met
User ID: **RED**
Sample ID: NQ MDL check EXP 5073
Acquired: Aug 29, 2013 12:20:19
Data summary: {Data Description}



A Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
12-DNB (SSTD)	12.483	8034	**19.147**

B Results

Name	*Retention Time*	*Area*	*concentration (ug/ml)*
NQ	2.725	15641	**0.028**

NITROAROMATICS ANALYSIS
LOGBOOK
DOCUMENTS

S 8330B EXPLOSIVES QSM Analytical Run # 97058 on 8/23/2013

RED 09/05/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)		CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
99211	337811	083SB-0001M-0001-SO	8/12/2013 1512			ECC	RVAAP	8330B EXPLOSIVES QSM	45484	S	4	
99211	337812	083SB-0002M-0001-SO	8/12/2013 1516			ECC	RVAAP	8330B EXPLOSIVES QSM	45484	S	4	
99211	337813	083SB-0003M-0001-SO	8/12/2013 1141			ECC	RVAAP	8330B EXPLOSIVES QSM	45484	S	4	
99211	337815	083SB-0004M-0001-SO	8/12/2013 1215			ECC	RVAAP	8330B EXPLOSIVES QSM	45484	S	4	
99211	337818	083SB-0005M-0001-SO	8/12/2013 1245	Designated MS/MSD		ECC	RVAAP	8330B EXPLOSIVES QSM	45484	S	4	
99211	337820	083SB-0006M-0001-SO	8/12/2013 1245			ECC	RVAAP	8330B EXPLOSIVES QSM	45484	S	4	
99211	337822	083SB-0008M-0001-SO	8/12/2013 1315			ECC	RVAAP	8330B EXPLOSIVES QSM	45484	S	4	
99211	337824	083SB-0009M-0001-SO	8/12/2013 1415			ECC	RVAAP	8330B EXPLOSIVES QSM	45484	S	4	
99211	337826	083SB-0011M-0001-SO	8/12/2013 1440			ECC	RVAAP	8330B EXPLOSIVES QSM	45484	S	4	
99211	337828	083SB-0012M-0001-SO	8/12/2013 1455			ECC	RVAAP	8330B EXPLOSIVES QSM	45484	S	4	
99211	337830	083SB-0013M-0001-SO	8/12/2013 1510			ECC	RVAAP	8330B EXPLOSIVES QSM	45484	S	4	
99211	337832	083SB-0014-0001-SO	8/12/2013 1415			ECC	RVAAP	8330B EXPLOSIVES QSM	45484	S	4	
99211	337834	083SB-0015M-0001-SO	8/12/2013 1514			ECC	RVAAP	8330B EXPLOSIVES QSM	45484	S	4	
	338927			MBS				8330B EXPLOSIVES QSM	45484			
	338928			LCSS				8330B EXPLOSIVES QSM	45484			
	338929	083SB-0004M-0001-SO	8/12/2013 1215	MSS	337815			8330B EXPLOSIVES QSM	45484			
	338930	083SB-0004M-0001-SO	8/12/2013 1215	MSDS	338929			8330B EXPLOSIVES QSM	45484			

17 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

PREP WORKSHEET
on 8/23/2013

Prep Batch **45,484** Date Prepped: 8/22/2013 Prepped By RED

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
	338927	MBS		8330B EXPLOSIVES	SOLID	20.0	10.03			
	338928	LCSS		8330B EXPLOSIVES	SOLID	20.0	10.00			
99211	337811			8330B EXPLOSIVES	SOIL	20.0	10.03		N	
	337812			8330B EXPLOSIVES	SOIL	20.0	10.03		N	
	337813			8330B EXPLOSIVES	SOIL	20.0	9.99		N	
	337815	*		8330B EXPLOSIVES	SOIL	20.0	10.04		N	
	337818			8330B EXPLOSIVES	SOIL	20.0	9.98		N	
	337820			8330B EXPLOSIVES	SOIL	20.0	10.00		N	
	337822			8330B EXPLOSIVES	SOIL	20.0	9.99		N	
	337824			8330B EXPLOSIVES	SOIL	20.0	10.06		N	
	337826			8330B EXPLOSIVES	SOIL	20.0	9.99		N	
	337828			8330B EXPLOSIVES	SOIL	20.0	10.03		N	
	337830			8330B EXPLOSIVES	SOIL	20.0	9.99		N	
	337832			8330B EXPLOSIVES	SOIL	20.0	10.00		N	
	337834			8330B EXPLOSIVES	SOIL	20.0	10.00		N	
	338929	MSS	337815	8330B EXPLOSIVES	SOIL	20.0	9.97			
	338930	MSDS	338929	8330B EXPLOSIVES	SOIL	20.0	9.98			

PREP WORKSHEET
8/23/2013
on

Notes:_____

Explosives or Nitroguanidine Prep Bench Sheet

(SOP Reference #'s 8330A & 8330B)

8330A,8330B, or 8330M >>

Prep Batch #:	45484
Prep Method:	8330B
Analyst:	RED
Date:	8/22/2013
Start Time:	13:30
End Date:	8/23/2013
End Time:	10:00

Matrix: soil
Balance Used: svxd2200

GPC By: na
GPC Date: na

Reagent:	Lot #
Methylene Chloride	na
Acetonitrile	34947
Methanol	na
0.1% Formic Acid	EXP 5067

Concentrated By: na
Concentration Date: na

Diluted By: RED
Dilution Date: 8/23/2013

8330A = Explosives (liquids/solids)
8330B = Explosives (liquids/solids)
8330M = Nitroguanidine (liquids/solids)

Sample ID #	Comments		(Solids) Sample Weight (g)	(Liquids) Sample Volume (L)	Extract Volume (ml)	Diluted (Yes/No)	Dilution Volume (ml)
338927	(MB) Grinding Blank		10.03		20.0	Yes	40.0
338928	(LCS) EXP 4975		10.00		20.0	Yes	40.0
337811			10.03		20.0	Yes	40.0
337812			10.03		20.0	Yes	40.0
337813			9.99		20.0	Yes	40.0
337815			10.04		20.0	Yes	40.0
337818			9.98		20.0	Yes	40.0
337820			10.00		20.0	Yes	40.0
337822			9.99		20.0	Yes	40.0
337824			10.06		20.0	Yes	40.0
337826			9.99		20.0	Yes	40.0
337828			10.03		20.0	Yes	40.0
337830			9.99		20.0	Yes	40.0
337832			10.00		20.0	Yes	40.0
337834			10.00		20.0	Yes	40.0
DUP337815	(Dup)		9.96		20.0	Yes	40.0
TRIP337815	(Trip)		10.05		20.0	Yes	40.0
338929	(MS)	Parent Sample	9.97		20.0	Yes	40.0
338930	(MSD)	337815	9.98		20.0	Yes	40.0

MB=Method Blank, LCS=Laboratory Control Sample, Dup=Duplicate, Trip=Triplicate, MS=Matrix Spike & MSD=Matrix Spike Duplicate

MS/MSD/ LCS Spike Amount (ml): 2
Spike Concentration (ug/mL): 10/40
Spike Reference #: EXP 5066

Surrogate Spike Amount (ml): 2
Surrogate Spike Conc. (ug/mL): 10
Surrogate Spike Reference #: EXP 5046/5065

Relinquished to: RED
Date: 8/23/2013

Reviewed By: RED
Date: 8/23/2013

Table 5

8330B Analysis Data Review Checklist

Analytical Run #: 97058	**Independent Reviewer: JJY**
Sequence Date: 8/27/2013	**Date of Review: 8/28/2013**
Analyst/Data Interpreter: RED	**Approval: YES**

Instructions: Complete one checklist per *analytical run* . Enter the appropriate response for each question. Each "No" response requires an explanation in the Comments section, and may require the initiation of a Nonconformance Report.

Requirements:	Acceptance Criteria	Analyst Review		Independent Review		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
1. INITIAL CALIBRATION (ICAL)						
a. Was the Explosive initial calibration performed using a minimum of five varying standard concentration levels?	Lowest standard at or near MRL	**Yes**		**Yes**		
b. Is the variation between calibration response factors for all concentration levels <15% RSD, is r^2 >.990, or r > 0.995 for the regression line?		**Yes**		**Yes**		
c. Was each ICAL uniquely identified (i.e. Standard Number)?	RSD<15%, r^2>0.990, or r>0.995	**Yes**		**Yes**		
d. Was an initial calibration blank (ICB) analyzed?		**Yes**		**Yes**		
2. INITIAL CALIBRATION VERIFICATION (ICV)						
a. Was there a second source ICV for all target analytes analyzed after the initial calibration and prior to analysis of any samples?	Second source	**Yes**		**Yes**		
b. Were the recoveries for the ICV between 85-115% (80-120% for QSM).	% Recovery	**Yes**		**Yes**		
c. Was the ICV uniquely identified (i.e. Standard Number)?		**Yes**		**Yes**		
3. CONTINUING CALIBRATION VERIFICATION (CCV)						
a. Were CCVs analyzed at the beginning of the sequence, after every 12 hours or every 20 samples (which ever comes first)(every 10 samples for QSM) and at the end of the analytical run?		**Yes**		**Yes**		
b. Were the recoveries for the CCVs within program limits?	%Recovery		**No**		**No**	see below
c. Was each CCV uniquely identified (i.e. Standard Number)?		**Yes**		**Yes**		

Additional Comments:

The CCV on line 15 on sequence 082713exp-primary had a high failure for 3,5-dinitroaniline (35-DNA). There were no hits in the samples for 35-DNA. No samples were qualified.

The MRL check standards on lines #3 and #34 of the same sequence contained recovery failures. MDL check standards were run immediately after each MRL check with acceptable results.

Analytical Run #: 97058

Table 5

8330B Analysis Data Review Checklist

Requirements:	Acceptance Criteria	Analyst		Independent		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
4. BLANKS						
a. Was a method blank (MB) analyzed prior to the analysis of samples?		**Yes**		**Yes**		
b. Was the MB result less than ½ the reporting limit (RL) or 5% of the sample amount (QSM: less than 1/2 the RL and <10% of the sample amount)?		**Yes**		**Yes**		
c. Was a MB prepped and analyzed at a frequency of one per Prep Batch?	Batch ≤20 samples	**Yes**		**Yes**		
5. LABORATORY CONTROL SAMPLE (LCS)						
a. Was a LCS analyzed at a frequency of one per Prep Batch?	Batch ≤20 samples	**Yes**		**Yes**		
b. Were the LCS recoveries in each LCS within the acceptance criteria?	Per Program	**Yes**		**Yes**		
6. MATRIX SPIKES						
a. Was a matrix spiked (MS) sample analyzed at a frequency one per Prep Batch?	Batch ≤20 samples	**Yes**		**Yes**		
b. Were MS recoveries in each MS within the acceptance criteria?	Per Program	**Yes**		**Yes**		
7. MATRIX SPIKE DUPLICATE						
a. Was a duplicate matrix spike sample analyzed at a frequency one per Prep Batch?	Batch <20 samples	**Yes**		**Yes**		
b. Were MSD within the acceptance criteria?	Per Program		**No**		**No**	see below
c. Is the relative percent difference (RPD) between a matrix spike (MS) and its duplicate (MSD) within the acceptance criteria?	Per Program QSM: 30% RPD		**No**		**No**	see below

Additional Comments:

3-nitrotoluene (3-NT) had low recovery in the matrix spike duplicate (MSD) sample. Parent sample 337815 was quaified with an "M" for 3-NT.

3-NT and PETN had RPD failures in the MSD sample. Both compounds were qualifed with a "Y" in the parent sample.

Analytical Run #: 97058

Table 5

8330B Analysis Data Review Checklist

Requirements:	Acceptance Criteria	Analyst		Independent		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
8. SAMPLES (INCLUDING BLANKS, STANDARDS, AND QC SAMPLES)						
a. Are chromatogram characteristics, including peak shapes and areas, consistent with those of the CCV?		**Yes**		**Yes**		
b. Are surrogate recoveries for all samples, blanks, standards, and QC samples within acceptance criteria?			**No**		**No**	The surrogate in sample 337834 was high and qualified with an "S".
c. Were all samples having analytes detected in amounts exceeding the calibration range diluted and reanalyzed?		**Yes**		**Yes**		
d. Were all samples extracted within holding times and analyzed within 40 days of extracting?	Analysis within 40 days of extraction	**Yes**		**Yes**		
e. Was there a acetonitrile:H2O injection preformed prior to sample analysis?		**Yes**		**Yes**		
f. If any analytes were detected in the soil grinding blanks, were the associated samples B-flagged?	< 1/2 RL	**Yes**		**Yes**		
g. Was the batch soil triplicate RSD within acceptance criteria?	<20%	**Yes**		**Yes**		
9. RECORDS AND REPORTING						
a. Are Run, Prep Batch and Extraction sheets, Summary sheets, Sequence file, initial and rerun raw and process data present in the PDF file?		**Yes**		**Yes**		
b. Are all chromatograms dated and initialed?		**Yes**		**Yes**		
c. Are reported results whose amounts exceeded the acceptance criteria flagged with an appropriate qualifier and, if needed, a NCR completed?		**Yes**		**Yes**		
d. Do all values, dilution factors and qualifiers listed on the raw reports match the LIMS data?		**Yes**		**Yes**		
e. Is the ICAL method referenced on the Raw Data?		**Yes**		**Yes**		

Additional Comments:

Summary Report

Instrument ID: HPLC 2 (Offline)
Data Path: C:\Instarch\HPLC 2\Sequences\8330A_B\042513expic-primary.seq
User ID: RED
Printed Date: Apr 25, 2013 15:31:40

Run Number	Sample ID	Data Filename	Method Filename	Analysis Date	Data Description
1	1:1 ACN:0.1%formic acid in...	001.dat	042513expic-primary....	Apr 25, 2013 14:56:19	
2	8330 Pt. 1 EXP 5002	002.dat	042513expic-primary....	Apr 25, 2013 16:48:21	Reason #3,#4 applies to d...
3	8330 Pt. 2 EXP 5003	003.dat	042513expic-primary....	Apr 25, 2013 17:06:37	Reason #1,#2,#3 applies t...
4	8330 Pt. 3 EXP 5004	004.dat	042513expic-primary....	Apr 25, 2013 17:24:55	Reason #1,#4 applies to d...
5	8330 Pt. 4 EXP 5005	005.dat	042513expic-primary....	Apr 25, 2013 17:43:13	
6	8330 Pt. 5 EXP 5006	006.dat	042513expic-primary....	Apr 25, 2013 18:01:29	Reason #1 applies to data...
7	8330 Pt. 6 EXP 5007	007.dat	042513expic-primary....	Apr 25, 2013 18:19:45	
8	8330 Pt. 7 EXP 5008	008.dat	042513expic-primary....	Apr 25, 2013 18:38:02	
9	8330 ICV EXP 5009	009.dat	042513expic-primary....	Apr 25, 2013 18:56:20	
10	8330 CCV EXP 5005	010.dat	042513expic-primary....	Apr 25, 2013 19:14:40	Reason #3,#4 applies to d...
11	8330A MBS	011.dat	042513expic-primary....	Apr 25, 2013 19:32:58	
12	8330A S MDL 1	012.dat	042513expic-primary....	Apr 25, 2013 19:51:17	Reason #3,#4 applies to d...
13	8330A S MDL 2	013.dat	042513expic-primary-...	Apr 25, 2013 20:09:34	
14	8330A S MDL 3	014.dat	042513expic-primary-...	Apr 25, 2013 20:27:52	
15	8330A S MDL 4	015.dat	042513expic-primary....	Apr 25, 2013 20:46:09	
16	8330A S MDL 5	016.dat	042513expic-primary....	Apr 25, 2013 21:04:25	
17	8330A S MDL 6	017.dat	042513expic-primary....	Apr 25, 2013 21:22:42	
18	8330A S MDL 7	018.dat	042513expic-primary....	Apr 25, 2013 21:40:59	
19	8330A S MDL 8	019.dat	042513expic-primary....	Apr 25, 2013 21:59:16	
20	8330 CCV EXP 5005	020.dat	042513expic-primary....	Apr 25, 2013 22:17:37	
21	93371,MBW,,8330A	021.dat	042513expic-primary-...	Apr 25, 2013 22:35:55	
22	93371,LCSW,,8330A	022.dat	042513expic-primary-...	Apr 25, 2013 22:54:13	Reason #1,#4 applies to d...
23	93371,289827,,8330A	023.dat	042513expic-primary-...	Apr 25, 2013 23:12:30	
24	93289,MBW,	024.dat	042513expic-primary-...	Apr 25, 2013 23:30:48	
25	93289,LCSW,	025.dat	042513expic-primary-...	Apr 25, 2013 23:49:05	
26	93289,277914,,8330A PT	026.dat	042513expic-primary-...	Apr 26, 2013 00:07:22	
27	93289,269643,,30 UL LOD ...	027.dat	042513expic-primary-...	Apr 26, 2013 00:25:37	
28	8330 CCV EXP 5005	028.dat	042513expic-primary....	Apr 26, 2013 00:43:54	

Summary Report

Instrument ID: HPLC 2 (Offline)
Data Path: C:\Instarch\HPLC 2\Sequences\8330A_B\082713exp-primary.seq
User ID: RED
Printed Date: Aug 27, 2013 09:29:41

Run Number	Sample ID	Data Filename	Method Filename	Analysis Date	Data Description
1	1:1 ACN:0.1%formic acid in...	001.dat	082713exp-primary.met	Aug 27, 2013 09:12:39	
2	8330 CCV EXP 5071	002.dat	082713exp-primary.met	Aug 27, 2013 09:30:56	
3	8330 MRL check EXP 5069	003.dat	082713exp-primary.met	Aug 27, 2013 09:49:14	Reason #3, #4 applies to ...
4	8330 MDL check EXP 5070	004.dat	082713exp-primary.met	Aug 27, 2013 10:07:32	Reason #3, #4 applies to ...
5	97058,MBS,	005.dat	082713exp-primary.met	Aug 27, 2013 10:45:45	
6	97058,LCSS,	006.dat	082713exp-primary.met	Aug 27, 2013 11:04:02	Reason #4 applies to data...
7	97058,337811,	007.dat	082713exp-primary.met	Aug 27, 2013 11:22:20	Reason #3,#4 applies to d...
8	97058,337812,	008.dat	082713exp-primary.met	Aug 27, 2013 11:40:38	Reason #3,#4 applies to d...
9	97058,337813,	009.dat	082713exp-primary.met	Aug 27, 2013 11:59:00	
10	97058,337815,	010.dat	082713exp-primary.met	Aug 27, 2013 12:17:18	Reason #3,#4 applies to d...
11	DUP 337815	011.dat	082713exp-primary.met	Aug 27, 2013 12:35:36	Reason #3,#4 applies to d...
12	TRIP 337815	012.dat	082713exp-primary.met	Aug 27, 2013 12:53:53	Reason #3,#4 applies to d...
13	97058,337818,	013.dat	082713exp-primary.met	Aug 27, 2013 13:12:11	Reason #3,#4 applies to d...
14	97058,337820,	014.dat	082713exp-primary.met	Aug 27, 2013 13:30:29	Reason #3,#4 applies to d...
15	8330 CCV EXP 5071	015.dat	082713exp-primary.met	Aug 27, 2013 13:48:46	
16	97058,337822,	016.dat	082713exp-primary.met	Aug 27, 2013 14:07:04	Reason #3,#4 applies to d...
17	97058,337824,	017.dat	082713exp-primary.met	Aug 27, 2013 14:25:20	Reason #3, #4 applies to ...
18	97058,337826,	018.dat	082713exp-primary.met	Aug 27, 2013 14:43:38	Reason #1,#3, #4 applies ...
19	97058,337828,	019.dat	082713exp-primary.met	Aug 27, 2013 15:01:59	Reason #1, #3, #4 applies...
20	97058,337830,	020.dat	082713exp-primary.met	Aug 27, 2013 15:20:18	Reason #3, #4 applies to ...
21	97058,337832,	021.dat	082713exp-primary.met	Aug 27, 2013 15:38:36	
22	97058,337834,	022.dat	082713exp-primary.met	Aug 27, 2013 15:56:53	Reason #3, #4 applies to ...
23	97058,MSS337815,	023.dat	082713exp-primary.met	Aug 27, 2013 16:15:11	
24	97058,MSDS337815,	024.dat	082713exp-primary.met	Aug 27, 2013 16:33:29	
25	97059,MBS,	025.dat	082713exp-primary.met	Aug 27, 2013 16:51:45	
26	8330 CCV EXP 5071	026.dat	082713exp-primary.met	Aug 27, 2013 17:10:03	Reason #3,#4 applies to d...
27	97059,LCSS,	027.dat	082713exp-primary.met	Aug 27, 2013 17:28:20	
28	97059,338369,	028.dat	082713exp-primary.met	Aug 27, 2013 17:46:37	Reason #3, #4 applies to ...
29	DUP 338369	029.dat	082713exp-primary.met	Aug 27, 2013 18:04:59	Reason #3, #4 applies to ...
30	TRIP 338369	030.dat	082713exp-primary.met	Aug 27, 2013 18:23:16	Reason #3, #4 applies to ...
31	97059,338375,	031.dat	082713exp-primary.met	Aug 27, 2013 18:41:35	
32	97059,MSS338369,	032.dat	082713exp-primary.met	Aug 27, 2013 18:59:52	Reason #3, #4 applies to ...
33	97059,MSDS338369,	033.dat	082713exp-primary.met	Aug 27, 2013 19:18:09	Reason #3, #4 applies to ...
34	8330 MRL check EXP 5069	034.dat	082713exp-primary.met	Aug 27, 2013 19:36:26	Reason #3,#4 applies to d...
35	8330 MDL check EXP 5070	035.dat	082713exp-primary.met	Aug 27, 2013 19:54:43	Reason #3 applies to data...
36	8330 CCV EXP 5071	036.dat	082713exp-primary.met	Aug 27, 2013 20:12:59	Reason #3,#4 applies to d...

EXP4957 8330CCV — 0.500 mL EXP4938 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid w/ H2O to 10 mL. Final conc. = 0.5/2.0 ug/mL. Prepared 3/6/2013 by RED. Expires 3/7/2013 — RED 3/6/2013

EXP4958 8330CCV — 0.500 mL EXP4938 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid w/ H2O to 10 mL. Final conc. = 0.5/2.0 ug/mL. Prepared 3/8/13 by RED - expires 3/9/2013 — RED 3/8/2013

EXP4959 8330CCV — 0.250 mL EXP4938 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid w/ H2O to ~~10 mL~~ 5 mL RED 3/11/13. Final conc. = 0.5/2.0 ug/mL. Prepared 3/11/13 by RED. Expires 3/12/13 — RED 3/11/13

EXP4960 8330CCV — 0.250 mL EXP4938 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid w/ H2O to 5 mL. Final conc. = 0.5/2.0 ug/mL. Prepared 3/12/13 by RED. Expires 3/13/13. — RED 3/12/2013

EXP4961 8330CCV — 0.250 mL EXP4938 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid w/ H2O to 5 mL. Final conc. = 0.5/2.0 ug/mL. Prepared 3/14/2013 by RED. Expires 3/15/2013. — RED 3/14/2013

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
EXP 4962	8330 Second Source	ACN lot	15-Mar-13 red 15-Sep-13	S2745	100	ug/mL	1.000	10.00	10.00	ug/ml
				S2746	100	ug/mL	1.000	10.00	10.00	ug/ml
				S2447B	1000	ug/mL	0.100	10.00	10.00	ug/ml
				S2748	1000	ug/mL	0.400	10.00	40.00	ug/ml
		lot 18114	RED 3/15/13	S2747	1000	ug/mL	0.400	10.00	40.00	ug/ml
				S2755C	1000	ug/mL	0.100	10.00	10.00	ug/ml

Continued on Page

Read and Understood By

Signed _____ Date _____ Signed _____ Date _____

Exp 4997 Halogen CCV

0.500 mL Exp 4993 @ 10 ug/mL into 1:1 ACN:0.1% formic acid in H_2O to 10 mL. Final Conc. = 0.5 ug/mL. Prepared 4/9/13 by Reg. Expires 4/10/13.

Reg 4/9/2013

Exp 4998 Halogen CCV

0.250 mL Exp 4993 @ 10 ug/mL into 1:1 ACN:0.1% formic acid in H_2O to 5 mL. Final Conc. = 0.5 ug/mL. Prepared 4/10/13 by Reg. Expires 4/11/13.

Reg 4/10/2013

Exp 4999 8330 CCV

0.500 mL Exp 4976 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid in H_2O to 10 mL. Final Conc. = 0.5/2.0 ug/mL. Prepared 4/11/13 by Reg. Expires 4/12/13.

Reg 4/11/2013

Exp 5000 8330 Spike

0.250 mL S2797 @ 1000 ug/mL
0.250 mL S2755E @ 1000 ug/mL
0.250 mL S2588 @ 1000 ug/mL
1.00 mL S2777/2795A @ 1000 ug/mL
1.00 mL S2776/2794A @ 1000 ug/mL

} Into 25 mL ACN lot 18114

Final Conc. = 10/40 ug/mL. Prepared 4/22/13 by Reg. Expires 10/22/13.

Reg 4/22/2013

Exp 5001 8330 Surrogate

0.250 mL S2755E @ 1000 ug/mL into ACN lot 18114 to 25 mL. Final conc. = 10 ug/mL. Prepared 4/28/13 by Reg. Expires 10/28/2013.

Reg 4/28/13

Continued on Page

Read and Understood By

Signed Date Signed Date

	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID/analyte group & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
EXP 5002	8330 Pt 1	1:1 ACN:0.1% formic acid in water	25-Apr-13 red 26-Apr-13	EXP 5000 8330mix	10	ug/mL	0.005	1.00	0.05	ug/ml
				EXP 5000 NG-PETN	40	ug/mL	0.005	1.00	0.20	ug/ml
EXP 5003	8330 Pt 2			EXP 5000 8330mix	10	ug/mL	0.010	1.00	0.10	ug/ml
				EXP 5000 NG-PETN	40	ug/mL	0.010	1.00	0.40	ug/ml
EXP 5004	8330 Pt 3			EXP 5000 8330mix	10	ug/mL	0.025	1.00	0.25	ug/ml
				EXP 5000 NG-PETN	40	ug/mL	0.025	1.00	1.00	ug/ml
EXP 5005	8330 Pt 4 (CCV)			EXP 5000 8330mix	10	ug/mL	0.500	10.00	0.50	ug/ml
				EXP 5000 NG-PETN	40	ug/mL	0.500	10.00	2.00	ug/ml
EXP 5006	8330 Pt 5			EXP 5000 8330mix	10	ug/mL	0.100	1.00	1.00	ug/ml
				EXP 5000 NG-PETN	40	ug/mL	0.100	1.00	4.00	ug/ml
EXP 5007	8330 Pt 6			EXP 5000 8330mix	10	ug/mL	0.200	1.00	2.00	ug/ml
				EXP 5000 NG-PETN	40	ug/mL	0.200	1.00	8.00	ug/ml
EXP 5008	8330 Pt 7			EXP 5000 8330mix	10	ug/mL	0.300	1.00	3.00	ug/ml
				EXP 5000 NG-PETN	40	ug/mL	0.300	1.00	12.00	ug/ml
EXP 5009	8330 ICV (second source)			EXP 4962 8330mix	10	ug/mL	0.050	1.00	0.50	ug/ml
				EXP 4962 NG-PETN	40	ug/mL	0.050	1.00	2.00	ug/ml

RED 4/25/13

EXP 5010 8330 CCV
0.500 mL EXP 5000 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid in H2O to 10 mL. Final conc. = 0.5/2.0 ug/mL. Prepared 4/26/2013 by RED. Expires 4/27/2013.

RED 4/26/2013

EXP 5011 8330 CCV
0.250 mL EXP 5000 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid in H2O to 5 mL. Final conc. = 0.5/2.0 ug/mL. Prepared 4/29/2013 by RED. Expires 4/30/2013.

RED 4/29/2013

EXP 5012 8330 CCV
0.250 mL EXP 5000 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid in H2O to 5 mL. Final conc. = 0.5/2.0 ug/mL. Prepared 5/1/2013 by RED. Expires 5/2/2013.

RED 5/1/2013

EXP 5013 8330 CCV
0.500 mL EXP 5000 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid in H2O to 5 mL. Final conc. = 0.5/2.0 ug/mL. Prepared 5/2/2013 by RED. Expires 5/3/2013 RED 5/2/2013

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Read and Understood By

Signed	Date	Signed	Date

EXP5045 8330 CCV
0.500 mL EXP5044 into 10mL 1:1 ACN:0.1% formic acid in H_2O.
Final conc = 0.5/2.0 ug/mL. Prepared 6/28/13 by KRS
Expires 6/29/13.
6/28/13

EXP5046 8330 Surr.
1.0mL S2796 @ 1000ug/mL into ACN to 100mL.
Final conc = 10ug/mL. Prepared 7/1/13
by Rea. Expires 1/1/14.
7/1/2013

EXP5047 8330 CCV
0.250mL EXP5044 @ 10/40 ug/mL into 5mL 1:1 ACN:0.1%
formic acid in H_2O. Final conc. = 0.5/2.0 ug/mL. Prepared
7/1/2013 by Rea Expires 7/2/2013.
7/1/13

EXP5048 8330 CCV
0.250 EXP5044 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid
in H_2O to 5mL. Final conc. = 0.5/2.0 ug/mL.
Prepared 7/2/13 by Rea Expires 7/3/13.
7/2/13

EXP 5049 8330 CCV
0.250mL EXP5044 @ 10/40 ug/mL into 1:1 ACN:0.1%
formic acid in H_2O to 5mL. Final conc. = 0.5/2.0 ug/mL.
Prepared 7/3/2013 by Rea. Expires 7/4/2013.
7/3/2013

EXP5050 8330 CCV
0.250mL EXP5044 @ 10/40 ug/mL into 1:1 ACN:0.1% formic
acid in H_2O to 5mL. Final conc. = 0.5/2.0 ug/mL.
Prepared 7/8/13 by Rea. Expires 7/9/13.
7/8/2013

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Read and Understood By

Signed Date Signed Date

Exp 5063 NQ Soil LCS

100 ~~250~~ g clean soil matrix was spiked with 10 ~~25~~ mL of MeOH containing ~~0.5~~ 0.2 mL S2587B @ 1000 ug/mL and ~~0.5~~ 0.2 mL S2796C @ 1000 ug/mL. The final soil concentration of both NQ ad surrogate is 2.00 mg/kg. Prepared 8/21/2013 by REB.
Expires 2/21/2014.

8/21/2013

Exp 5064 NQ Spike

0.100 mL S2587B @ 1000 ug/mL + 0.100 mL S2796B @ 1000 ug/mL into 1:1 MeOH:H_2O. Final volume = 10mL. Final Conc. = 10 ug/mL. Prepared 8/21/13 by REB.
Expires 2/21/14.

8/21/2013

Exp 5065 8330 Surrogate

0.500 mL ~~S2587~~ S2796B/C @ 1000 ug/mL into ACN to a final volume of 50mL. Final Conc. = 10 ug/mL. Prepared 8/21/13. Expires 2/21/14.

8/21/2013

Exp 5066 8330 Spike

0.250 mL S2797 @ 1000 ug/mL
0.250 mL S2588/S2798 @ 1000 ug/mL
0.250 mL S2796C @ 1000 ug/mL
1.00 mL S2795A/S2841A @ 1000 ug/mL
1.00 mL S2794A/2794B @ 1000 ug/mL
} into ACN; Final Volume = 25mL. Final Conc. = 10/40 ug/mL

Prepared 8/21/13 by REB. Expires 2/6/2014.

8/21/2013

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Read and Understood By

Signed Date Signed Date

Exp 5067 0.1% formic acid in H_2O
4mL 99% formic acid Lot 048178 in 4L H_2O.
Prepared 8/22/13 by RED Expires 2/14/14.
8/22/13

Exp 5068 8330 CCV
0.500 mL Exp 5066 @ 10/40 µg/mL into 1:1 ACN:0.1% formic acid in H_2O to 10mL. Final conc. = 0.5/2.0 µg/mL. Prepared 8/26/13 by RED.
Expires 8/27/13.
8/26/2013

Exp 5069 8330 MRL check std
0.100 mL Exp 5066 @ 10/40 µg/mL into 1:1 ACN:0.1% formic acid in H_2O to 10mL. Final conc. = 0.10/0.40 µg/mL.
Prepared 8/27/13 by RED Expires 8/28/13.
Read 8/24/2013

Exp 5070 8330 MDL check std
0.050 mL Exp 5066 @ 10/40 µg/mL into 1:1 ACN:0.1% formic acid in H_2O to 10mL. Final conc. = 0.05/0.20 µg/mL
Prepared 8/27/13 by RED. Expires 8/28/13.
8/27/2013

Exp 5071 8330 CCV
0.500 mL Exp 5066 @ 10/40 µg/mL into 1:1 ACN:0.1% formic acid in H_2O to 10mL. Final conc. = 0.5/2.0 µg/mL
Prepared 8/27/13 by RED Expires 8/28/13.
8/27/13

Exp 5072 NQ CCV
0.500mL Exp 5064 @ 10 µg/mL in 1:1 MeOH:H_2O to 10mL.
Final conc. = 0.5 µg/mL. Prepared 8/27/13 by RED.
Expires 2/21/14. Read 8/27/2013

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Read and Understood By

Signed Date Signed Date

S EXPLOSIVES NITROGUAN Analytical Run # 97061 on Sep 05, 2013

RED 09/05/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)		CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
	338935							EXPLOSIVES NITROGUAN				
				MBS					45486			
	338936							EXPLOSIVES NITROGUAN				
				LCSS					45486			
99211	337811	083SB-0001M-0001-SO	Aug 12, 2013 1512			ECC	RVAAP	EXPLOSIVES NITROGUAN	45486	S	4	
99211	337812	083SB-0002M-0001-SO	Aug 12, 2013 1516			ECC	RVAAP	EXPLOSIVES NITROGUAN	45486	S	4	
99211	337813	083SB-0003M-0001-SO	Aug 12, 2013 1141			ECC	RVAAP	EXPLOSIVES NITROGUAN	45486	S	4	
99211	337815	083SB-0004M-0001-SO	Aug 12, 2013 1215	Designated MS/MSD		ECC	RVAAP	EXPLOSIVES NITROGUAN	45486	S	4	
99211	337818	083SB-0005M-0001-SO	Aug 12, 2013 1245			ECC	RVAAP	EXPLOSIVES NITROGUAN	45486	S	4	
99211	337820	083SB-0006M-0001-SO	Aug 12, 2013 1245			ECC	RVAAP	EXPLOSIVES NITROGUAN	45486	S	4	
99211	337822	083SB-0008M-0001-SO	Aug 12, 2013 1315			ECC	RVAAP	EXPLOSIVES NITROGUAN	45486	S	4	
99211	337824	083SB-0009M-0001-SO	Aug 12, 2013 1415			ECC	RVAAP	EXPLOSIVES NITROGUAN	45486	S	4	
99211	337826	083SB-0011M-0001-SO	Aug 12, 2013 1440			ECC	RVAAP	EXPLOSIVES NITROGUAN	45486	S	4	
99211	337828	083SB-0012M-0001-SO	Aug 12, 2013 1455			ECC	RVAAP	EXPLOSIVES NITROGUAN	45486	S	4	
99211	337830	083SB-0013M-0001-SO	Aug 12, 2013 1510			ECC	RVAAP	EXPLOSIVES NITROGUAN	45486	S	4	
99211	337832	083SB-0014-0001-SO	Aug 12, 2013 1415			ECC	RVAAP	EXPLOSIVES NITROGUAN	45486	S	4	
99211	337834	083SB-0015M-0001-SO	Aug 12, 2013 1514			ECC	RVAAP	EXPLOSIVES NITROGUAN	45486	S	4	
	338938	083SB-0004M-0001-SO	Aug 12, 2013 1215	MSS	337815			EXPLOSIVES NITROGUAN	45486			
	338939	083SB-0004M-0001-SO	Aug 12, 2013 1215	MSDS	338938			EXPLOSIVES NITROGUAN	45486			

17 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

PREP WORKSHEET
on 8/23/2013

Prep Batch **45,486** Date Prepped: 8/22/2013 Prepped By RED

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
	338935	MBS		EXPLOSIVES	SOLID	10.0	4.99			
	338936	LCSS		EXPLOSIVES	SOLID	10.0	4.98			
99211	337811			EXPLOSIVES	SOIL	10.0	4.98		N	
	337812			EXPLOSIVES	SOIL	10.0	5.00		N	
	337813			EXPLOSIVES	SOIL	10.0	4.96		N	
	337815	*		EXPLOSIVES	SOIL	10.0	5.01		N	
	337818			EXPLOSIVES	SOIL	10.0	4.98		N	
	337820			EXPLOSIVES	SOIL	10.0	5.02		N	
	337822			EXPLOSIVES	SOIL	10.0	4.98		N	
	337824			EXPLOSIVES	SOIL	10.0	5.00		N	
	337826			EXPLOSIVES	SOIL	10.0	4.97		N	
	337828			EXPLOSIVES	SOIL	10.0	4.98		N	
	337830			EXPLOSIVES	SOIL	10.0	5.04		N	
	337832			EXPLOSIVES	SOIL	10.0	5.00		N	
	337834			EXPLOSIVES	SOIL	10.0	5.00		N	
	338938	MSS	337815	EXPLOSIVES	SOIL	10.0	5.02			
	338939	MSDS	338938	EXPLOSIVES	SOIL	10.0	4.98			

PREP WORKSHEET
8/23/2013
on

Notes:_____

Explosives or Nitroguanidine Prep Bench Sheet

(SOP Reference #'s 8330A & 8330B)

8330A,8330B, or 8330M >>

Prep Batch #:	45486
Prep Method:	8330M
Analyst:	RED
Date:	8/22/2013
Start Time:	12:30
End Date:	8/23/2013
End Time:	10:00

Matrix: soil
Balance Used: svxd2200

GPC By: na
GPC Date: na

Reagent:	Lot #
Methylene Chloride	na
Acetonitrile	na
Methanol	132577
0.1% Formic Acid	na

Concentrated By: na
Concentration Date: na

Diluted By: RED
Dilution Date: 8/23/2013

8330A = Explosives (liquids/solids)
8330B = Explosives (liquids/solids)
8330M = Nitroguanidine (liquids/solids)

Sample ID #	Comments		(Solids) Sample Weight (g)	(Liquids) Sample Volume (L)	Extract Volume (ml)	Diluted (Yes/No)	Dilution Volume (ml)
338935	(MB)Grinding blank		4.99		10.0	YES	20.0
338936	(LCS)EXP 5063		4.98		10.0	YES	20.0
337811			4.98		10.0	YES	20.0
337812			5.00		10.0	YES	20.0
337813			4.96		10.0	YES	20.0
337815			5.01		10.0	YES	20.0
337818			4.98		10.0	YES	20.0
337820			5.02		10.0	YES	20.0
337822			4.98		10.0	YES	20.0
337824			5.00		10.0	YES	20.0
337826			4.97		10.0	YES	20.0
337828			4.98		10.0	YES	20.0
337830			5.04		10.0	YES	20.0
337832			5.00		10.0	YES	20.0
337834			5.00		10.0	YES	20.0
DUP337815	(Dup)		5.00		10.0	YES	20.0
TRIP337815	(Trip)		5.00		10.0	YES	20.0
338938	(MS)	Parent Sample	5.02		10.0	YES	20.0
338939	(MSD)	337815	4.98		10.0	YES	20.0

MB=Method Blank, LCS=Laboratory Control Sample, Dup=Duplicate, Trip=Triplicate, MS=Matrix Spike & MSD=Matrix Spike Duplicate

MS/MSD/ LCS Spike Amount (ml): 1
Spike Concentration (ug/mL): 10
Spike Reference #: EXP 4972

Surrogate Spike Amount (ml): 1
Surrogate Spike Conc. (ug/mL): 10
Surrogate Spike Reference #: EXP 5046

Relinquished to: RED
Date: 8/23/2013

Reviewed By: RED
Date: 8/23/2013

Table 5

8330B Analysis Data Review Checklist

Analytical Run #: 97061	**Independent Reviewer: JJY**
Sequence Date: 8/28/2013-8/29/2013	**Date of Review: 8/29/2013**
Analyst/Data Interpreter: RED	**Approval: YES**

Instructions: Complete one checklist per *analytical run* . Enter the appropriate response for each question. Each "No" response requires an explanation in the Comments section, and may require the initiation of a Nonconformance Report.

Requirements:	Acceptance Criteria	Analyst Review		Independent Review		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
1. INITIAL CALIBRATION (ICAL)						
a. Was the Explosive initial calibration performed using a minimum of five varying standard concentration levels?	Lowest standard at or near MRL	**Yes**		**Yes**		
b. Is the variation between calibration response factors for all concentration levels <15% RSD, is r^2 >.990, or r > 0.995 for the regression line?		**Yes**		**Yes**		
c. Was each ICAL uniquely identified (i.e. Standard Number)?	RSD<15%, r^2>0.990, or r>0.995	**Yes**		**Yes**		
d. Was an initial calibration blank (ICB) analyzed?		**Yes**		**Yes**		
2. INITIAL CALIBRATION VERIFICATION (ICV)						
a. Was there a second source ICV for all target analytes analyzed after the initial calibration and prior to analysis of any samples?	Second source	**Yes**		**Yes**		
b. Were the recoveries for the ICV between 85-115% (80-120% for QSM).	% Recovery	**Yes**		**Yes**		
c. Was the ICV uniquely identified (i.e. Standard Number)?		**Yes**		**Yes**		
3. CONTINUING CALIBRATION VERIFICATION (CCV)						
a. Were CCVs analyzed at the beginning of the sequence, after every 12 hours or every 20 samples (which ever comes first)(every 10 samples for QSM) and at the end of the analytical run?		**Yes**		**Yes**		
b. Were the recoveries for the CCVs within program limits?	%Recovery	**Yes**		**Yes**		
c. Was each CCV uniquely identified (i.e. Standard Number)?		**Yes**		**Yes**		

Additional Comments:

Analytical Run #: 97061

Table 5

8330B Analysis Data Review Checklist

Requirements:	Acceptance Criteria	Analyst		Independent		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
4. BLANKS						
a. Was a method blank (MB) analyzed prior to the analysis of samples?		**Yes**		**Yes**		
b. Was the MB result less than ½ the reporting limit (RL) or 5% of the sample amount (QSM: less than 1/2 the RL and <10% of the sample amount)?		**Yes**		**Yes**		
c. Was a MB prepped and analyzed at a frequency of one per Prep Batch?	Batch ≤20 samples	**Yes**		**Yes**		
5. LABORATORY CONTROL SAMPLE (LCS)						
a. Was a LCS analyzed at a frequency of one per Prep Batch?	Batch ≤20 samples	**Yes**		**Yes**		
b. Were the LCS recoveries in each LCS within the acceptance criteria?	Per Program	**Yes**		**Yes**		
6. MATRIX SPIKES						
a. Was a matrix spiked (MS) sample analyzed at a frequency one per Prep Batch?	Batch ≤20 samples	**Yes**		**Yes**		
b. Were MS recoveries in each MS within the acceptance criteria?	Per Program	**Yes**		**Yes**		
7. MATRIX SPIKE DUPLICATE						
a. Was a duplicate matrix spike sample analyzed at a frequency one per Prep Batch?	Batch <20 samples	**Yes**		**Yes**		
b. Were MSD within the acceptance criteria?	Per Program	**Yes**		**Yes**		
c. Is the relative percent difference (RPD) between a matrix spike (MS) and its duplicate (MSD) within the acceptance criteria?	Per Program QSM: 30% RPD	**Yes**		**Yes**		

Additional Comments:

Analytical Run #: 97061

Table 5

8330B Analysis Data Review Checklist

Requirements:	Acceptance Criteria	Analyst		Independent		Comments (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
8. SAMPLES (INCLUDING BLANKS, STANDARDS, AND QC SAMPLES)						
a. Are chromatogram characteristics, including peak shapes and areas, consistent with those of the CCV?		**Yes**		**Yes**		
b. Are surrogate recoveries for all samples, blanks, standards, and QC samples within acceptance criteria?		**Yes**		**Yes**		
c. Were all samples having analytes detected in amounts exceeding the calibration range diluted and reanalyzed?		**Yes**		**Yes**		
d. Were all samples extracted within holding times and analyzed within 40 days of extracting?	Analysis within 40 days of extraction	**Yes**		**Yes**		
e. Was there a acetonitrile:H2O injection preformed prior to sample analysis?		**Yes**		**Yes**		
f. If any analytes were detected in the soil grinding blanks, were the associated samples B-flagged?	< 1/2 RL	**Yes**		**Yes**		
g. Was the batch soil triplicate RSD within acceptance criteria?	<20%	**Yes**		**Yes**		
9. RECORDS AND REPORTING						
a. Are Run, Prep Batch and Extraction sheets, Summary sheets, Sequence file, initial and rerun raw and process data present in the PDF file?		**Yes**		**Yes**		
b. Are all chromatograms dated and initialed?		**Yes**		**Yes**		
c. Are reported results whose amounts exceeded the acceptance criteria flagged with an appropriate qualifier and, if needed, a NCR completed?		**Yes**		**Yes**		
d. Do all values, dilution factors and qualifiers listed on the raw reports match the LIMS data?		**Yes**		**Yes**		
e. Is the ICAL method referenced on the Raw Data?		**Yes**		**Yes**		

Additional Comments:

Summary Report

Instrument ID: HPLC 1 (Offline)
Data Path: C:\Instarch\HPLC 1\Sequence\NQ\121712NQic-primary.seq
User ID: RED
Printed Date: Dec 17, 2012 16:01:24

Run Number	Sample ID	Data Filename	Method Filename	Analysis Date	Data Description
1	1:1 MeOH:H2O	001.dat	121712NQic-primary....	Dec 17, 2012 15:54:23	
2	NQ Pt 1 EXP 4907	002.dat	121712NQic-primary....	Dec 17, 2012 16:03:05	
3	NQ Pt 2 EXP 4908	003.dat	121712NQic-primary....	Dec 17, 2012 16:11:47	
4	NQ Pt 3 EXP 4909	004.dat	121712NQic-primary....	Dec 17, 2012 16:20:28	
5	NQ Pt 4 EXP 4910	005.dat	121712NQic-primary....	Dec 17, 2012 16:29:10	
6	NQ Pt 5 EXP 4911	006.dat	121712NQic-primary....	Dec 17, 2012 16:37:51	Reason #3 applies to data...
7	NQ Pt 6 EXP 4912	007.dat	121712NQic-primary....	Dec 17, 2012 16:46:33	
8	NQ Pt 7 EXP 4913	008.dat	121712NQic-primary....	Dec 17, 2012 16:55:14	
9	NQ ICV EXP 4914	009.dat	121712NQic-primary....	Dec 17, 2012 17:03:55	
10	NQ CCV EXP 4910	010.dat	121712NQic-primary....	Dec 17, 2012 17:12:39	
11	NQ MRL Check Std EXP 4...	011.dat	121712NQic-primary....	Dec 17, 2012 17:21:22	
12	NQ MDL Check Std EXP 4...	012.dat	121712NQic-primary....	Dec 17, 2012 17:30:05	
13	90050,MBW,	013.dat	121712NQic-primary....	Dec 17, 2012 17:38:47	
14	90050,LCSW,	014.dat	121712NQic-primary....	Dec 17, 2012 17:47:29	
15	90050,246661,	015.dat	121712NQic-primary....	Dec 17, 2012 17:56:09	
16	90282,MBS,	016.dat	121712NQic-primary....	Dec 17, 2012 18:04:50	
17	90282,LCSS,	017.dat	121712NQic-primary....	Dec 17, 2012 18:13:31	
18	90282,245900,	018.dat	121712NQic-primary....	Dec 17, 2012 18:22:12	
19	245900 DUP.	019.dat	121712NQic-primary....	Dec 17, 2012 18:30:52	
20	245900 TRIP.	020.dat	121712NQic-primary....	Dec 17, 2012 18:39:36	
21	90282,245901,	021.dat	121712NQic-primary....	Dec 17, 2012 18:48:19	
22	90282,245908,	022.dat	121712NQic-primary....	Dec 17, 2012 18:57:02	
23	NQ CCV EXP 4910	023.dat	121712NQic-primary....	Dec 17, 2012 19:05:44	
24	90282,245921,	024.dat	121712NQic-primary....	Dec 17, 2012 19:14:25	Reason #3 applies to data...
25	90282,245927,	025.dat	121712NQic-primary....	Dec 17, 2012 19:23:06	Reason #3 applies to data...
26	90282,MSS245900,	026.dat	121712NQic-primary....	Dec 17, 2012 19:31:48	
27	90282,MSDS245900,	027.dat	121712NQic-primary....	Dec 17, 2012 19:40:28	
28	90283,MBS,	028.dat	121712NQic-primary....	Dec 17, 2012 19:49:08	
29	90283,LCSS,	029.dat	121712NQic-primary....	Dec 17, 2012 19:57:50	
30	90283,246771,	030.dat	121712NQic-primary....	Dec 17, 2012 20:06:33	
31	246771 DUP.	031.dat	121712NQic-primary....	Dec 17, 2012 20:15:15	
32	246771 TRIP.	032.dat	121712NQic-primary....	Dec 17, 2012 20:23:58	
33	90283,246784,	033.dat	121712NQic-primary....	Dec 17, 2012 20:32:40	
34	NQ CCV EXP 4910	034.dat	121712NQic-primary....	Dec 17, 2012 20:41:22	
35	90283,246786,	035.dat	121712NQic-primary....	Dec 17, 2012 20:50:02	
36	90283,246834,	036.dat	121712NQic-primary....	Dec 17, 2012 20:58:44	
37	90283,246878,	037.dat	121712NQic-primary....	Dec 17, 2012 21:07:23	
38	90283,MSS246771,	038.dat	121712NQic-primary....	Dec 17, 2012 21:16:04	Reason #3 applies to data...
39	90283,MSDS246771,	039.dat	121712NQic-primary....	Dec 17, 2012 21:24:44	Reason #3 applies to data...
40	NQ MRL Check Std EXP 4...	040.dat	121712NQic-primary....	Dec 17, 2012 21:33:27	
41	NQ MDL Check Std EXP 4...	041.dat	121712NQic-primary....	Dec 17, 2012 21:42:10	
42	NQ CCV EXP 4910	042.dat	121712NQic-primary....	Dec 17, 2012 21:50:53	
43	90050,207405,	043.dat	121712NQic-primary....	Dec 17, 2012 21:59:33	
44	90050 212055 LOQCK 1	044.dat	121712NQic-primary....	Dec 17, 2012 22:08:15	
45	90050 212055 LOQCK 2	045.dat	121712NQic-primary....	Dec 17, 2012 22:16:57	
46	90050 212055 LOQCK 3	046.dat	121712NQic-primary....	Dec 17, 2012 22:25:37	
47	90050 212055 LOQCK 4	047.dat	121712NQic-primary....	Dec 17, 2012 22:34:18	
48	90050,246664,	048.dat	121712NQic-primary....	Dec 17, 2012 22:42:58	
49	90050,246667,	049.dat	121712NQic-primary....	Dec 17, 2012 22:51:37	
50	90050,246668,	050.dat	121712NQic-primary....	Dec 17, 2012 23:00:22	
51	90050,246669,	051.dat	121712NQic-primary....	Dec 17, 2012 23:09:05	
52	90050,246670,	052.dat	121712NQic-primary....	Dec 17, 2012 23:17:46	
53	NQ CCV EXP 4910	053.dat	121712NQic-primary....	Dec 17, 2012 23:26:27	Reason #4 applies to data...

Summary Report

Instrument ID: **HPLC 1 (Offline)**
Data Path: **C:\Instarch\HPLC 1\Sequence\NQ\121812nqic-confirm.seq**
User ID: **RED**
Printed Date: **Dec 18, 2012 13:18:24**

Run Number	Sample ID	Data Filename	Method Filename	Analysis Date	Data Description
1	1:1 MeOH:H2O	001.dat	121812nqic-confirm....	Dec 18, 2012 13:05:23	
2	NQ Pt 1 EXP 4907	002.dat	121812nqic-confirm....	Dec 18, 2012 13:22:35	
3	NQ Pt 2 EXP 4908	003.dat	121812nqic-confirm....	Dec 18, 2012 13:39:46	
4	NQ Pt 3 EXP 4909	004.dat	121812nqic-confirm....	Dec 18, 2012 13:56:58	
5	NQ Pt 4 EXP 4910	005.dat	121812nqic-confirm....	Dec 18, 2012 14:14:09	
6	NQ Pt 5 EXP 4911	006.dat	121812nqic-confirm....	Dec 18, 2012 14:31:21	
7	NQ Pt 6 EXP 4912	007.dat	121812nqic-confirm....	Dec 18, 2012 14:48:31	
8	NQ Pt 7 EXP 4913	008.dat	121812nqic-confirm....	Dec 18, 2012 15:05:43	
9	NQ ICV EXP 4914	009.dat	121812nqic-confirm....	Dec 18, 2012 15:22:54	
10	NQ CCV EXP 4910	010.dat	121812nqic-confirm....	Dec 18, 2012 15:40:10	
11	NQ MRL Check Std EXP 4...	011.dat	121812nqic-confirm....	Dec 18, 2012 15:57:22	
12	NQ MDL Check Std EXP 4...	012.dat	121812nqic-confirm....	Dec 18, 2012 16:14:33	
13	90282,MBS,	013.dat	121812nqic-confirm....	Dec 18, 2012 16:31:46	
14	90282,245921,	014.dat	121812nqic-confirm....	Dec 18, 2012 16:48:57	
15	NQ MRL Check Std EXP 4...	015.dat	121812nqic-confirm....	Dec 18, 2012 17:06:07	
16	NQ MDL Check Std EXP 4...	016.dat	121812nqic-confirm....	Dec 18, 2012 17:23:19	
17	NQ CCV EXP 4910	017.dat	121812nqic-confirm....	Dec 18, 2012 17:40:30	
18	90050,207405,	018.dat	121812nqic-confirm....	Dec 18, 2012 17:57:40	
19	90050 212055 LOQCK 1	019.dat	121812nqic-confirm....	Dec 18, 2012 18:14:51	
20	90050 212055 LOQCK 2	020.dat	121812nqic-confirm....	Dec 18, 2012 18:32:02	
21	90050 212055 LOQCK 3	021.dat	121812nqic-confirm....	Dec 18, 2012 18:49:13	
22	90050 212055 LOQCK 4	022.dat	121812nqic-confirm....	Dec 18, 2012 19:06:23	
23	90282,207406,	023.dat	121812nqic-confirm....	Dec 18, 2012 19:23:35	
24	90282 212051 LOQCK 1	024.dat	121812nqic-confirm....	Dec 18, 2012 19:40:47	
25	90282 212051 LOQCK 2	025.dat	121812nqic-confirm....	Dec 18, 2012 19:57:58	
26	90282 212051 LOQCK 3	026.dat	121812nqic-confirm....	Dec 18, 2012 20:15:10	
27	90282 212051 LOQCK 4	027.dat	121812nqic-confirm....	Dec 18, 2012 20:32:22	
28	NQ CCV EXP 4910	028.dat	121812nqic-confirm....	Dec 18, 2012 20:49:32	
29	90283,250128,	029.dat	121812nqic-confirm....	Dec 18, 2012 21:06:42	
30	90283 212051 LOQCK 1	030.dat	121812nqic-confirm....	Dec 18, 2012 21:23:58	
31	90283 212051 LOQCK 2	031.dat	121812nqic-confirm....	Dec 18, 2012 21:41:11	
32	90283 212051 LOQCK 3	032.dat	121812nqic-confirm....	Dec 18, 2012 21:58:25	
33	90283 212051 LOQCK 4	033.dat	121812nqic-confirm....	Dec 18, 2012 22:15:38	
34	NQ CCV EXP 4910	034.dat	121812nqic-confirm....	Dec 18, 2012 22:32:49	

Summary Report

Instrument ID: HPLC 1 (Offline)
Data Path: C:\Instarch\HPLC 1\Sequence\NQ\082813NQ-primary.seq
User ID: RED
Printed Date: Aug 28, 2013 13:00:48

Run Number	Sample ID	Data Filename	Method Filename	Analysis Date	Data Description
1	1:1 MeOH:H2O	001.dat	082813NQ-primary.met	Aug 28, 2013 09:46:57	
2	NQ CCV EXP 5072	002.dat	082813NQ-primary.met	Aug 28, 2013 09:55:10	
3	NQ MRL check EXP 5074	003.dat	082813NQ-primary.met	Aug 28, 2013 10:03:22	
4	NQ MDL check EXP 5073	004.dat	082813NQ-primary.met	Aug 28, 2013 10:11:33	
5	97061,MBS,	005.dat	082813NQ-primary.met	Aug 28, 2013 10:19:44	
6	97061,LCSS,	006.dat	082813NQ-primary.met	Aug 28, 2013 10:27:56	Reason #4 applies to data...
7	97061,337811,	007.dat	082813NQ-primary.met	Aug 28, 2013 10:36:06	Reason #4 applies to data...
8	97061,337812,	008.dat	082813NQ-primary.met	Aug 28, 2013 10:44:18	
9	97061,337813,	009.dat	082813NQ-primary.met	Aug 28, 2013 10:52:29	
10	97061,337815,	010.dat	082813NQ-primary.met	Aug 28, 2013 11:00:44	
11	DUP 337815	011.dat	082813NQ-primary.met	Aug 28, 2013 11:08:57	
12	TRIP 337815	012.dat	082813NQ-primary.met	Aug 28, 2013 11:17:10	
13	97061,337818,	013.dat	082813NQ-primary.met	Aug 28, 2013 11:25:20	
14	97061,337820,	014.dat	082813NQ-primary.met	Aug 28, 2013 11:33:33	
15	NQ CCV EXP 5072	015.dat	082813NQ-primary.met	Aug 28, 2013 11:41:44	
16	97061,337822,	016.dat	082813NQ-primary.met	Aug 28, 2013 11:49:54	
17	97061,337824,	017.dat	082813NQ-primary.met	Aug 28, 2013 11:58:05	
18	97061,337826,	018.dat	082813NQ-primary.met	Aug 28, 2013 12:06:16	
19	97061,337828,	019.dat	082813NQ-primary.met	Aug 28, 2013 12:14:27	
20	97061,337830,	020.dat	082813NQ-primary.met	Aug 28, 2013 12:22:40	
21	97061,337832,	021.dat	082813NQ-primary.met	Aug 28, 2013 12:30:54	
22	97061,337834,	022.dat	082813NQ-primary.met	Aug 28, 2013 12:39:07	
23	97061,MSS337815,	023.dat	082813NQ-primary.met	Aug 28, 2013 12:47:17	
24	97061,MSDS337815,	024.dat	082813NQ-primary.met	Aug 28, 2013 12:55:30	
25	97062,MBS,	025.dat	082813NQ-primary.met	Aug 28, 2013 13:03:41	
26	NQ CCV EXP 5072	026.dat	082813NQ-primary.met	Aug 28, 2013 13:11:51	
27	97062,LCSS,	027.dat	082813NQ-primary.met	Aug 28, 2013 13:20:02	
28	97062,338369,	028.dat	082813NQ-primary.met	Aug 28, 2013 13:28:12	
29	DUP 338369	029.dat	082813NQ-primary.met	Aug 28, 2013 13:36:23	
30	TRIP 338369	030.dat	082813NQ-primary.met	Aug 28, 2013 13:44:37	
31	97062,338375,	031.dat	082813NQ-primary.met	Aug 28, 2013 13:52:50	
32	97062,MSS338369,	032.dat	082813NQ-primary.met	Aug 28, 2013 14:01:02	
33	97062,MSDS338369,	033.dat	082813NQ-primary.met	Aug 28, 2013 14:09:14	
34	97063,MBS,	034.dat	082813NQ-primary.met	Aug 28, 2013 14:17:26	
35	97063,311331,,LOD 60uL	035.dat	082813NQ-primary.met	Aug 28, 2013 14:25:36	
36	NQ S LOQ 125 uL	036.dat	082813NQ-primary.met	Aug 28, 2013 14:33:47	
37	NQ CCV EXP 5072	037.dat	082813NQ-primary.met	Aug 28, 2013 14:41:58	
38	NQ S LOQ 125 uL	038.dat	082813NQ-primary.met	Aug 28, 2013 14:50:08	
39	NQ S LOQ 125 uL	039.dat	082813NQ-primary.met	Aug 28, 2013 14:58:19	
40	NQ S LOQ 125 uL	040.dat	082813NQ-primary.met	Aug 28, 2013 15:06:30	
41	97104,MBW,	041.dat	082813NQ-primary.met	Aug 28, 2013 15:14:43	
42	97104,LCSW,	042.dat	082813NQ-primary.met	Aug 28, 2013 15:22:55	
43	97104,339561,	043.dat	082813NQ-primary.met	Aug 28, 2013 15:31:07	
44	97104,341966,	044.dat	082813NQ-primary.met	Aug 28, 2013 15:39:19	
45	97104,311330,,LOD 50 uL	045.dat	082813NQ-primary.met	Aug 28, 2013 15:47:29	
46	NQ W LOQ 60 uL	046.dat	082813NQ-primary.met	Aug 28, 2013 15:55:40	
47	NQ W LOQ 60 uL	047.dat	082813NQ-primary.met	Aug 28, 2013 16:03:51	
48	NQ CCV EXP 5072	048.dat	082813NQ-primary.met	Aug 28, 2013 16:12:01	
49	NQ W LOQ 60 uL	049.dat	082813NQ-primary.met	Aug 28, 2013 16:20:12	
50	NQ W LOQ 60 uL	050.dat	082813NQ-primary.met	Aug 28, 2013 16:28:22	
51	97217,MBS,	051.dat	082813NQ-primary.met	Aug 28, 2013 16:36:36	
52	97217,LCSS,	052.dat	082813NQ-primary.met	Aug 28, 2013 16:44:47	
53	97217,340181,	053.dat	082813NQ-primary.met	Aug 28, 2013 16:53:00	
54	DUP 340181	054.dat	082813NQ-primary.met	Aug 28, 2013 17:01:10	
55	TRIP 340181	055.dat	082813NQ-primary.met	Aug 28, 2013 17:09:22	
56	97217,MSS340181,	056.dat	082813NQ-primary.met	Aug 28, 2013 17:17:33	
57	97217,MSDS340181,	057.dat	082813NQ-primary.met	Aug 28, 2013 17:25:44	
58	NQ MRL check EXP 5074	058.dat	082813NQ-primary.met	Aug 28, 2013 17:33:53	
59	NQ MDL check EXP 5073	059.dat	082813NQ-primary.met	Aug 28, 2013 17:42:03	
60	NQ CCV EXP 5072	060.dat	082813NQ-primary.met	Aug 28, 2013 17:50:16	

Summary Report

Instrument ID: HPLC 2 (Offline)
Data Path: C:\Instarch\HPLC 1\Sequence\NQ\082913NQ-confirm.seq
User ID: RED
Printed Date: Aug 29, 2013 10:41:13

Run Number	Sample ID	Data Filename	Method Filename	Analysis Date	Data Description
1	1:1 MeOH:H2O	001.dat	082913NQ-confirm.met	Aug 29, 2013 10:19:58	
2	NQ CCV EXP 5072	002.dat	082913NQ-confirm.met	Aug 29, 2013 10:37:11	
3	NQ MRL check EXP 5074	003.dat	082913NQ-confirm.met	Aug 29, 2013 10:54:22	
4	NQ MDL check EXP 5073	004.dat	082913NQ-confirm.met	Aug 29, 2013 11:11:34	
5	97061,MBS,	005.dat	082913NQ-confirm.met	Aug 29, 2013 11:28:45	
6	97061,337811,	006.dat	082913NQ-confirm.met	Aug 29, 2013 11:45:56	
7	NQ MRL check EXP 5074	007.dat	082913NQ-confirm.met	Aug 29, 2013 12:03:08	
8	NQ MDL check EXP 5073	008.dat	082913NQ-confirm.met	Aug 29, 2013 12:20:19	
9	NQ CCV EXP 5072	009.dat	082913NQ-confirm.met	Aug 29, 2013 12:37:31	
10	97063,311331,,LOD 60uL	010.dat	082913NQ-confirm.met	Aug 29, 2013 12:54:42	
11	NQ S LOQ 125 uL	011.dat	082913NQ-confirm.met	Aug 29, 2013 13:11:53	
12	NQ S LOQ 125 uL	012.dat	082913NQ-confirm.met	Aug 29, 2013 13:29:03	
13	NQ S LOQ 125 uL	013.dat	082913NQ-confirm.met	Aug 29, 2013 13:46:14	
14	NQ S LOQ 125 uL	014.dat	082913NQ-confirm.met	Aug 29, 2013 14:03:25	
15	97104,311330,,LOD 50 uL	015.dat	082913NQ-confirm.met	Aug 29, 2013 14:20:37	
16	NQ W LOQ 60 uL	016.dat	082913NQ-confirm.met	Aug 29, 2013 14:37:47	
17	NQ W LOQ 60 uL	017.dat	082913NQ-confirm.met	Aug 29, 2013 14:54:58	
18	NQ W LOQ 60 uL	018.dat	082913NQ-confirm.met	Aug 29, 2013 15:12:08	
19	NQ W LOQ 60 uL	019.dat	082913NQ-confirm.met	Aug 29, 2013 15:29:20	
20	NQ CCV EXP 5072	020.dat	082913NQ-confirm.met	Aug 29, 2013 15:46:30	

EXP 4887 8330 Surrogate 200 ~~µg/mL~~ S2710C/S2751A @ 1000 µg/mL into ACN lot 18/14 to 200mL. Final Conc. = 10 µg/mL. Prepared 11/28/12 by RED Expires 5/20/2013.

11/28/2012

EXP 4888 8330 CCV 0.5 mL Exp 4882 @ 10/40 µg/mL into 1:1 ACN:0.1% formic acid in H2O to 10 mL. Final Conc. = 0.5/2.0 µg/mL. Prepared 11/29/2012 by RED Expires 11/30/2012.

11/29/2012

EXP 4889 8330 Spike

0.500 mL S2711 @ 1000 µg/mL
0.500 mL S2712 @ 1000 µg/mL
0.500 mL S2751B @ 1000 µg/mL
2.00 mL S2709B/2750A/B @ 1000 µg/mL
2.00 mL S2708B/2749A/B @ 1000 µg/mL
} Into 50mL ACN

Final Conc. = 10/40 µg/mL.
Prepared 11/30/2012 - Expires 5/15/2013

RED 11/30/2012

EXP 4890 8330 Surrogate 11/30/2012
2.00 mL S2751B/C/D 11/30/2012 @ 1000 µg/mL into 200mL ACN
Final Conc. = 10 µg/mL. Prepared 11/30/2012 by RED
Expires 5/30/13.

11/30/2012

EXP 4891 8330 CCV
0.500 mL EXP 4889 @ 10/40 µg/mL into 1:1 ACN:0.1% formic acid in H2O to 10mL. Final Conc. = 0.5/2.0 µg/mL
Prepared 12/1/2012 by RED Expires 12/2/2012.

12/1/2012

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Read and Understood By

Signed Date Signed Date

EXP4892 8330 CCV
0.250 mL exP4889 @ 10/40 ug/mL into 1:1 ACN: 0.1% formic acid in H2O to 5 mL. Final Conc. = 0.5/2.0 ug/mL
Prepared 12/2/2012 by Rea
Expires 12/3/2012
12/2/2012

EXP4893 8330 CCV
0.250 mL exP4889 @ 10/40 ug/mL into 1:1 ACN: 0.1% formic acid in H2O to 5 mL. Final Conc. = 0.5/20 ug/mL
Prepared 12/3/2012 by REA Expires 12/4/2012.
12/3/2012

EXP 4894 0.1% formic acid in H2O
4 mL 99% formic acid (Sigma Aldrich lot 04817JE) into 4L H2O. Prepared 12/3/2012 by Rea Expires 2/14/2013.
12/3/2012

EXP 4895 8330 CCV
0.250 mL exP4889 @ 10/40 ug/mL into 1:1 ACN: 0.1% formic acid in H2O to 5 mL. Final Conc. = 0.5/2.0 ug/mL
Prepared 12/4/2012 by Rea Expires 12/5/2012.
12/4/2012

EXP4896 LLR Spike
0.100 mL S25587A @ 1000 ug/mL
0.100 mL S27571D @ 1000 ug/mL
Into 50:50 MeOH: H2O to 10 mL.
Final Conc. = 10 ug/mL
Prepared 12/5/2012 by Rea Expires 2/28/2013
12/5/2012

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Read and Understood By

Signed Date Signed Date

EXP 4903 0.250 mL EXP 4889 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid in H_2O to 5.0 mL. Final conc = 0.5/2.0 ug/mL. Prepared 12/11/12 by RED - Expires 12/12/12.

RED 12/11/2012

EXP 4904 0.250 mL EXP 4889 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid in H_2O to 5.0 mL. Final conc. = 0.5/2.0 ug/mL. Prepared 12/12/12 by RED - Expires 12/13/12.

12/12/12

EXP 4905 0.250 mL EXP 4889 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid in H_2O to 5.0 mL. Final conc. = 0.5/2.0 ug/mL. Prepared 12/14/12 by RED. Expires 12/15/12.

12/14/12

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration	Standard Volume (ml)	Final Volume (ml)	Final Concentration
EXP 4906	NQ 2nd Source	MeOH:H2O (1:1)	17-Dec-12 RED 17-Jun-13	S2223-01 100 ug/mL S2751D 1000 ug/mL	1.000 0.1	10.00 10.00	10.00 ug/ml 10.00 ug/ml

RED 12/17/12

Standard Number	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date	STD Parent ID & Concentration	Standard Volume (ml)	Final Volume (ml)	Final Concentration
EXP 4907	NQ Linearity PT 1	1:1 MeOH:H2O lot 113437	20-Feb-12 RED 20-Jul-12	EXP 4896 10 ug/mL EXP 4890 10 ug/mL	0.004 0.004	1.0 1.0	0.04 ug/ml 0.08 ug/ml
EXP 4908	NQ Linearity PT 2			EXP 4896 10 ug/mL EXP 4890 10 ug/mL	0.008 0.008	1.0 1.0	0.08 ug/ml 0.16 ug/ml
EXP 4909	NQ Linearity PT 3			EXP 4896 10 ug/mL EXP 4890 10 ug/mL	0.020 0.020	1.0 1.0	0.20 ug/ml 0.40 ug/ml
EXP ~~4910~~ 4910	NQ Linearity PT 4 (CCV)			EXP 4896 10 ug/mL	0.500	10.0	0.50 ug/ml
EXP ~~4911~~ 4911	NQ Linearity PT 5			EXP 4896 10 ug/mL	0.100	1.0	1.00 ug/ml
EXP ~~4912~~ 4912	NQ Linearity PT 6			EXP 4896 10 ug/mL	0.200	1.0	2.00 ug/ml
EXP ~~4913~~ 4913	NQ Linearity PT 7			EXP 4896 10 ug/mL	0.250	1.0	2.50 ug/ml
EXP ~~4914~~ 4914	NQ ICV (2nd Source)	MeOH:H2O (1:1)	20-Feb-12 RED 20-Jul-12	EXP 4906 10 ug/mL	0.050	1.0	0.50 ug/ml

note: EXP ~~4716~~ 4916 also includes surrogate. Final concentration for EXP 4734 is total surrogate concentration

RED 12/17/12

RED 12/17/12

EXP 4915 8330 CCV 0.250 mL EXP 4889 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid in H_2O to 5.0 mL. Final conc. = 0.5/2.0 ug/mL. Prepared 12/18/2012. by RED. Expires 12/19/2012.

RED 12/18/12

EXP 4916 8330 MRL check Std. 0.050 mL EXP 4889 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid in H_2O to 5.0 mL. Final conc. = 0.10/0.40 ug/mL. Prepared 12/18/12 By RED Expires 12/19/12

RED 12/18/12

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Read and Understood By

Signed Date Signed Date

	Standard Description	Solvent/Lot	Prep Date/Analyst/Exp. Date
EXP 4963	8330 Pt 1 Low Level	1:1 ACN:0.1% formic acid in water	15-Mar-13 red 16-Mar-13
EXP 4964	8330 Pt 2 Low Level		
EXP 4965	8330 Pt 3 Low Level		
EXP 4966	8330 Pt 4 Low Level		
EXP 4967	8330 Pt 5 Low Level		
EXP 4968	8330 Pt 6 Low Level		
EXP 4969	8330 Pt 7 Low Level		
EXP 4970	8330 Pt 8 Low Level		
EXP 4971	8330 ICV L.L. (second source)		

STD Parent ID/analyte group & Concentration			Standard Volume (ml)	Final Volume (ml)	Final Concentration	
EXP 4938 8330mix	10	ug/mL	0.003	1.00	0.03	ug/ml
EXP 4938 NG-PETN	40	ug/mL	0.003	1.00	0.12	ug/ml
EXP 4938 8330mix	10	ug/mL	0.005	1.00	0.05	ug/ml
EXP 4938 NG-PETN	40	ug/mL	0.005	1.00	0.20	ug/ml
EXP 4938 8330mix	10	ug/mL	0.010	1.00	0.10	ug/ml
EXP 4938 NG-PETN	40	ug/mL	0.010	1.00	0.40	ug/ml
EXP 4938 8330mix	10	ug/mL	0.025	1.00	0.25	ug/ml
EXP 4938 NG-PETN	40	ug/mL	0.025	1.00	1.00	ug/ml
EXP 4938 8330mix	10	ug/mL	0.500	10.00	0.50	ug/ml
EXP 4938 NG-PETN	40	ug/mL	0.500	10.00	2.00	ug/ml
EXP 4938 8330mix	10	ug/mL	0.100	1.00	1.00	ug/ml
EXP 4938 NG-PETN	40	ug/mL	0.100	1.00	4.00	ug/ml
EXP 4938 8330mix	10	ug/mL	0.200	1.00	2.00	ug/ml
EXP 4938 NG-PETN	40	ug/mL	0.200	1.00	8.00	ug/ml
EXP 4938 8330mix	10	ug/mL	0.300	1.00	3.00	ug/ml
EXP 4938 NG-PETN	40	ug/mL	0.300	1.00	12.00	ug/ml
EXP 4962 8330mix	10	ug/mL	0.050	1.00	0.50	ug/ml
EXP 4962 NG-PETN	40	ug/mL	0.050	1.00	2.00	ug/ml

Read 3/15/13

EXP 4972 NQ Spike

0.600mL S2587A @ 1000ug/mL
0.100 mL S2755C @ 1000ug/mL
} 10mL 50:50 MeOH: H_2O

Final conc. = 10 ug/mL. Prepared 3/19/13 by Red Expires 3/28/13.

3/19/2013

EXP 4973 50:50 MeOH : H_2O

500mL MeOH Lot 126863 + 500mL DI H_2O.
Prepared 3/19/2013 Expires 9/18/2013.

3/19/2013

EXP 4974 8330 B LCS Spike

0.200 mL S2752 @ 1000ug/mL
0.200 mL S2588 @ 1000ug/mL
0.200mL S2755C @ 1000ug/mL
0.400mL S2748 @ 1000ug/mL
0.400mL S2747 @ 1000ug/mL
} 10mL MeCl2 Lot 29475

Final conc. = 20/40 ug/mL

Prepared 3/21/2013 By Red Expires 9/21/2013

3/21/2013

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Read and Understood By

Signed _____ Date _____ Signed _____ Date _____

EXP5045 8330 CCV
0.500 mL EXP5044 into 10mL 1:1 ACN:0.1% formic acid in H_2O.
Final conc = 0.5/2.0 ug/mL. Prepared 6/26/13 by KRD
Expires 6/29/13.
6/26/13

EXP5046 8330 Surr.
1.0mL S2796 @ 1000ug/mL into ACN to 100mL.
Final conc = 10ug/mL. Prepared 7/1/13
by KRD. Expires 1/1/14.
7/1/2013

EXP5047 8330 CCV
0.250mL EXP5044 @ 10/40 ug/mL into 5mL 1:1 ACN:0.1%
formic acid in H_2O. Final conc. = 0.5/2.0 ug/mL. Prepared
7/1/2013 by KRD Expires 7/2/2013.
7/1/13

EXP5048 8330 CCV
0.250 EXP5044 @ 10/40 ug/mL into 1:1 ACN:0.1% formic acid
in H_2O to 5mL. Final conc. = 0.5/2.0 ug/mL.
Prepared 7/2/13 by KRD Expires 7/3/13.
7/2/13

EXP 5049 8330 CCV
0.250mL EXP5044 @ 10/40 ug/mL into 1:1 ACN:0.1%
formic acid in H_2O to 5mL. Final conc. = 0.5/2.0 ug/mL.
Prepared 7/3/2013 by KRD. Expires 7/4/2013.
7/3/2013

EXP5050 8330 CCV
0.250mL EXP5044 @ 10/40 ug/mL into 1:1 ACN:0.1% formic
acid in H_2O to 5mL. Final conc. = 0.5/2.0 ug/mL.
Prepared 7/8/13 by KRD. Expires 7/9/13.
7/8/2013

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Read and Understood By

Signed Date Signed Date

EXP5067 0.1% formic acid in H_2O
4mL 99% formic acid Lot 048178 in 4L H_2O.
Prepared 8/22/13 by RED Expires 2/14/14.
8/22/13

EXP5068 8330 CCV
0.500 mL EXP5066 @ 10/40 µg/mL into 1:1 ACN:0.1% formic acid in H_2O to 10mL. Final conc. = 0.5/2.0 µg/mL. Prepared 8/26/13 by RED.
Expires 8/27/13.
8/26/2013

EXP 5069 8330 MRL check std
0.100 mL EXP5066 @ 10/40 µg/mL into 1:1 ACN:0.1% formic acid in H_2O to 10mL. Final conc. = 0.10/0.40 µg/mL
Prepared 8/27/13 by RED Expires 8/28/13.
Read 8/24/2013

EXP 5070 8330 MDL check std
0.050 mL EXP 5066 @ 10/40 µg/mL into 1:1 ACN:0.1%
formic acid in H_2O to 10mL. Final conc. = 0.05/0.20 µg/mL
Prepared 8/27/13 by RED. Expires 8/28/13.
Read 8/27/13
8/27/2013

EXP 5071 8330 CCV
0.500 mL EXP 5066 @ 10/40 µg/mL into 1:1 ACN:0.1%
formic acid in H_2O to 10mL. Final conc. = 0.5/2.0 µg/mL
Prepared 8/27/13 by RED Expires 8/28/13.
8/27/13

EXP5072 NQ CCV
0.500mL EXP5064 @ 10 µg/mL in 1:1 MeOH:H_2O to 10mL.
Final conc. = 0.5 µg/mL. Prepared 8/27/13 by RED.
Expires 2/21/14. Read 8/27/2013

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Signed Date Signed Date

MDL Red 8/27/13

Exp 5073 NQ ~~MRL~~ Check Std.
0.040 mL Exp 5064 + 0.04 mL Exp 5065 into 1:1 MeOH:H2O to 10 mL. Final conc. = 0.04 µg/mL NQ and 0.08 µg/mL surr. Prepared 8/27/13 by Red. Expires 2/21/14.

Red 8/27/2013

Exp 5074 NQ MRL check Std
0.080 mL Exp 5064 @ 10 µg/mL + 0.080 mL Exp 5065 @ 10 µg/mL in 1:1 MeOH:H2O to 10 mL. Final Conc = 0.08 µg/mL NQ and 0.16 µg/mL surr. Prepared 8/27/13 by Red. Expires 2/21/14.

Red 8/27/2013

Exp 5075 8330 CCV
0.500 mL Exp 5066 @ 10/40 µg/mL into 1:1 ACN:0.1% formic acid to 10 mL. Final conc. = 0.5/2.0 µg/mL. Prepared 8/30/13 by Red. Expires 8/31/13.

Red 8/30/13

Exp 5076 8330 CCV
0.250 mL Exp 5066 @ 10/40 µg/mL into 1:1 ACN:0.1% formic acid in H2O to 5 mL. Final conc. = 0.5/2.0 µg/mL. Prepared 9/4/13 by RED. Expire 9/5/13.

Red 9/4/2013

Exp 5077 8330 CCV
0.250 mL Exp 5066 @ 10/40 µg/mL into 1:1 ACN:0.1% formic acid in H2O to 5 mL. Final conc. = 0.5/2.0 µg/mL. Prepared 9/5/13 by Red. Expires 9/6/13.

Red 9/5/2013

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Signed Date Signed Date

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337811
Analytical Method:	EPA 7471B	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96929	Analysis Date/Time	08/22/2013 08:57
Analytical Prep Batch #:	45457	Prep. Date/Time:	08/20/2013 12:30
ICAL Calibration #:	08222013	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7439-97-6	Mercury	0.034		0.0023	0.0045	0.0090	0.0090

CT LABORATORIES
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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337811
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 10:41
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-36-0	Antimony	1.0		0.14	0.43	0.85	0.85
7782-49-2	Selenium	0.21	U	0.064	0.21	0.43	0.43
7440-22-4	Silver	0.053	U	0.018	0.053	0.11	0.11

CT LABORATORIES
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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337811
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96873	Analysis Date/Time	08/20/2013 11:01
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-09-7	Potassium	1200		12	35	70	70
7440-23-5	Sodium	49.2		4.3	13	26	26

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337811
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	5.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 18:34
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers		DL	LOD	LOQ	RL
7429-90-5	Aluminum	11300			0.21	0.64	1.3	1.3
7440-38-2	Arsenic	13.9			0.69	2.1	4.3	4.3
7440-39-3	Barium	73.5		B	0.048	0.13	0.27	0.27
7440-41-7	Beryllium	0.65			0.021	0.064	0.21	0.21
7440-43-9	Cadmium	0.11	U	V	0.032	0.11	0.21	0.21
7440-70-2	Calcium	23100			1.3	3.7	7.4	7.4
7440-47-3	Chromium	17.0			0.12	0.37	0.74	0.74
7440-48-4	Cobalt	11.9			0.21	0.64	1.3	1.3
7440-50-8	Copper	20.2			0.37	1.1	2.1	2.1
7439-89-6	Iron	24800			1.6	4.8	9.6	9.6
7439-92-1	Lead	21.0			0.21	0.66	1.3	1.3
7439-95-4	Magnesium	6070			0.74	2.1	4.3	4.3
7439-96-5	Manganese	432			0.13	0.40	0.80	0.80
7440-02-0	Nickel	27.8			0.11	0.32	0.64	0.64
7440-28-0	Thallium	1.3	U	V	0.43	1.3	2.6	2.6
7440-62-2	Vanadium	18.3		B	0.064	0.21	0.43	0.43
7440-66-6	Zinc	60.3			0.27	0.80	1.6	1.6

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337812
Analytical Method:	EPA 7471B	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96929	Analysis Date/Time	08/22/2013 08:59
Analytical Prep Batch #:	45457	Prep. Date/Time:	08/20/2013 12:30
ICAL Calibration #:	08222013	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7439-97-6	Mercury	0.010		0.0023	0.0046	0.0091	0.0091

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337812
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 10:45
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-36-0	Antimony	1.1		0.13	0.40	0.80	0.80
7782-49-2	Selenium	0.20	U	0.060	0.20	0.40	0.40
7440-22-4	Silver	0.050	U	0.017	0.050	0.10	0.10

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337812
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96873	Analysis Date/Time	08/20/2013 11:02
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-09-7	Potassium	1420		11	33	66	66
7440-23-5	Sodium	68.2		4.0	12	24	24

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337812
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	5.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 18:38
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7429-90-5	Aluminum	12300		0.20	0.60	1.2	1.2
7440-38-2	Arsenic	16.6		0.65	2.0	4.0	4.0
7440-39-3	Barium	83.4	B	0.045	0.12	0.25	0.25
7440-41-7	Beryllium	0.67		0.020	0.060	0.20	0.20
7440-43-9	Cadmium	0.10	U	0.030	0.10	0.20	0.20
7440-70-2	Calcium	31900		1.2	3.5	7.0	7.0
7440-47-3	Chromium	18.7		0.11	0.35	0.70	0.70
7440-48-4	Cobalt	13.7		0.20	0.60	1.2	1.2
7440-50-8	Copper	20.7		0.35	1.0	2.0	2.0
7439-89-6	Iron	27800		1.5	4.5	9.0	9.0
7439-92-1	Lead	12.2		0.20	0.62	1.2	1.2
7439-95-4	Magnesium	8100		0.70	2.0	4.0	4.0
7439-96-5	Manganese	515		0.12	0.37	0.75	0.75
7440-02-0	Nickel	31.4		0.10	0.30	0.60	0.60
7440-28-0	Thallium	1.2	U V	0.40	1.2	2.4	2.4
7440-62-2	Vanadium	18.5	B	0.060	0.20	0.40	0.40
7440-66-6	Zinc	63.0		0.25	0.75	1.5	1.5

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.0	Lab Sample ID:	337813
Analytical Method:	EPA 7471B	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96929	Analysis Date/Time	08/22/2013 09:01
Analytical Prep Batch #:	45457	Prep. Date/Time:	08/20/2013 12:30
ICAL Calibration #:	08222013	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7439-97-6	Mercury	0.0090		0.0023	0.0045	0.0089	0.0089

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.0	Lab Sample ID:	337813
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 10:49
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-36-0	Antimony	0.96		0.14	0.42	0.84	0.84
7782-49-2	Selenium	0.21	U	0.063	0.21	0.42	0.42
7440-22-4	Silver	0.053	U	0.018	0.053	0.11	0.11

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.0	Lab Sample ID:	337813
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96873	Analysis Date/Time	08/20/2013 11:03
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-09-7	Potassium	1590		12	35	69	69
7440-23-5	Sodium	66.6		4.2	13	25	25

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.0	Lab Sample ID:	337813
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	5.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 18:42
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers		DL	LOD	LOQ	RL
7429-90-5	Aluminum	17900			0.21	0.63	1.3	1.3
7440-38-2	Arsenic	18.2			0.68	2.1	4.2	4.2
7440-39-3	Barium	110		B	0.047	0.13	0.26	0.26
7440-41-7	Beryllium	0.92			0.021	0.063	0.21	0.21
7440-43-9	Cadmium	0.11	U	V	0.032	0.11	0.21	0.21
7440-70-2	Calcium	46700			1.3	3.7	7.4	7.4
7440-47-3	Chromium	25.5			0.12	0.37	0.74	0.74
7440-48-4	Cobalt	15.8			0.21	0.63	1.3	1.3
7440-50-8	Copper	25.4			0.37	1.1	2.1	2.1
7439-89-6	Iron	39100			1.6	4.7	9.5	9.5
7439-92-1	Lead	16.6			0.21	0.66	1.3	1.3
7439-95-4	Magnesium	11000			0.74	2.1	4.2	4.2
7439-96-5	Manganese	594			0.13	0.39	0.79	0.79
7440-02-0	Nickel	37.9			0.11	0.32	0.63	0.63
7440-28-0	Thallium	0.49	J	V	0.42	1.3	2.5	2.5
7440-62-2	Vanadium	25.6		B	0.063	0.21	0.42	0.42
7440-66-6	Zinc	85.0			0.26	0.79	1.6	1.6

CT LABORATORIES
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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.6	Lab Sample ID:	337815
Analytical Method:	EPA 7471B	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96929	Analysis Date/Time	08/22/2013 09:02
Analytical Prep Batch #:	45457	Prep. Date/Time:	08/20/2013 12:30
ICAL Calibration #:	08222013	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7439-97-6	Mercury	0.0072	J	0.0023	0.0045	0.0090	0.0090

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.6	Lab Sample ID:	337815
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 10:53
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-36-0	Antimony	1.0		0.13	0.41	0.81	0.81
7782-49-2	Selenium	0.20	U	0.061	0.20	0.41	0.41
7440-22-4	Silver	0.051	U	0.017	0.051	0.10	0.10

CT LABORATORIES
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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.6	Lab Sample ID:	337815
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96873	Analysis Date/Time	08/20/2013 11:04
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-09-7	Potassium	1660		11	34	67	67
7440-23-5	Sodium	67.0		4.1	12	24	24

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.6	Lab Sample ID:	337815
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	5.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 18:45
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers		DL	LOD	LOQ	RL
7429-90-5	Aluminum	10900		M	0.20	0.61	1.2	1.2
7440-38-2	Arsenic	13.3			0.66	2.0	4.1	4.1
7440-39-3	Barium	76.5		B,M	0.046	0.13	0.25	0.25
7440-41-7	Beryllium	0.56		M	0.020	0.061	0.20	0.20
7440-43-9	Cadmium	0.10	U	V,M	0.030	0.10	0.20	0.20
7440-70-2	Calcium	31600		M	1.2	3.6	7.1	7.1
7440-47-3	Chromium	15.4		M	0.12	0.36	0.71	0.71
7440-48-4	Cobalt	11.1		M	0.20	0.61	1.2	1.2
7440-50-8	Copper	14.2			0.36	1.0	2.0	2.0
7439-89-6	Iron	25100		M	1.5	4.6	9.1	9.1
7439-92-1	Lead	8.5		M	0.20	0.63	1.3	1.3
7439-95-4	Magnesium	6720		M	0.71	2.0	4.1	4.1
7439-96-5	Manganese	481		M	0.13	0.38	0.76	0.76
7440-02-0	Nickel	24.5		M	0.11	0.30	0.61	0.61
7440-28-0	Thallium	0.64	J	V,M	0.41	1.2	2.4	2.4
7440-62-2	Vanadium	15.5		B,M	0.061	0.20	0.41	0.41
7440-66-6	Zinc	46.1		M	0.25	0.76	1.5	1.5

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.1	Lab Sample ID:	337818
Analytical Method:	EPA 7471B	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96929	Analysis Date/Time	08/22/2013 09:18
Analytical Prep Batch #:	45457	Prep. Date/Time:	08/20/2013 12:30
ICAL Calibration #:	08222013	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7439-97-6	Mercury	0.013		0.0023	0.0046	0.0091	0.0091

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.1	Lab Sample ID:	337818
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96873	Analysis Date/Time	08/20/2013 11:12
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-09-7	Potassium	1300		11	34	68	68
7440-23-5	Sodium	55.2		4.1	12	25	25

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.1	Lab Sample ID:	337818
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 11:27
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7782-49-2	Selenium	0.21	U	0.062	0.21	0.41	0.41
7440-22-4	Silver	0.052	U	0.018	0.052	0.10	0.10

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.1	Lab Sample ID:	337818
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	5.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 19:19
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers		DL	LOD	LOQ	RL
7429-90-5	Aluminum	12500			0.21	0.62	1.2	1.2
7440-36-0	Antimony	1.2	J	V	0.67	2.1	4.1	4.1
7440-38-2	Arsenic	13.9			0.67	2.1	4.1	4.1
7440-39-3	Barium	78.1		B	0.047	0.13	0.26	0.26
7440-41-7	Beryllium	0.68			0.021	0.062	0.21	0.21
7440-43-9	Cadmium	0.10	U	V	0.031	0.10	0.21	0.21
7440-70-2	Calcium	28900			1.2	3.6	7.3	7.3
7440-47-3	Chromium	18.3			0.12	0.36	0.73	0.73
7440-48-4	Cobalt	11.8			0.21	0.62	1.2	1.2
7440-50-8	Copper	21.3			0.36	1.0	2.1	2.1
7439-89-6	Iron	27200			1.6	4.7	9.3	9.3
7439-92-1	Lead	11.8			0.21	0.65	1.3	1.3
7439-95-4	Magnesium	7530			0.73	2.1	4.1	4.1
7439-96-5	Manganese	428			0.13	0.39	0.78	0.78
7440-02-0	Nickel	29.2			0.11	0.31	0.62	0.62
7440-28-0	Thallium	0.79	J	V	0.41	1.2	2.5	2.5
7440-62-2	Vanadium	18.8		B	0.062	0.21	0.41	0.41
7440-66-6	Zinc	70.2			0.26	0.78	1.6	1.6

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.1	Lab Sample ID:	337820
Analytical Method:	EPA 7471B	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96929	Analysis Date/Time	08/22/2013 09:19
Analytical Prep Batch #:	45457	Prep. Date/Time:	08/20/2013 12:30
ICAL Calibration #:	08222013	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7439-97-6	Mercury	0.012		0.0022	0.0044	0.0087	0.0087

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.1	Lab Sample ID:	337820
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96873	Analysis Date/Time	08/20/2013 11:13
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-09-7	Potassium	1250		11	33	65	65
7440-23-5	Sodium	53.7		4.0	12	24	24

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.1	Lab Sample ID:	337820
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 11:30
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7782-49-2	Selenium	0.20	U	0.059	0.20	0.40	0.40
7440-22-4	Silver	0.050	U	0.017	0.050	0.099	0.099
7440-28-0	Thallium	0.24	U	0.079	0.24	0.48	0.48

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.1	Lab Sample ID:	337820
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	5.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 19:23
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7429-90-5	Aluminum	10800		0.20	0.59	1.2	1.2
7440-36-0	Antimony	1.0	J V	0.64	2.0	4.0	4.0
7440-38-2	Arsenic	12.6		0.64	2.0	4.0	4.0
7440-39-3	Barium	70.2	B	0.045	0.12	0.25	0.25
7440-41-7	Beryllium	0.61		0.020	0.059	0.20	0.20
7440-43-9	Cadmium	0.046	J V	0.030	0.099	0.20	0.20
7440-70-2	Calcium	24400		1.2	3.5	6.9	6.9
7440-47-3	Chromium	16.2		0.11	0.35	0.69	0.69
7440-48-4	Cobalt	11.0		0.20	0.59	1.2	1.2
7440-50-8	Copper	19.9		0.35	0.99	2.0	2.0
7439-89-6	Iron	23800		1.5	4.5	8.9	8.9
7439-92-1	Lead	10.8		0.20	0.62	1.2	1.2
7439-95-4	Magnesium	6660		0.69	2.0	4.0	4.0
7439-96-5	Manganese	380		0.12	0.37	0.74	0.74
7440-02-0	Nickel	27.0		0.10	0.30	0.59	0.59
7440-62-2	Vanadium	16.7	B	0.059	0.20	0.40	0.40
7440-66-6	Zinc	64.1		0.25	0.74	1.5	1.5

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.9	Lab Sample ID:	337822
Analytical Method:	EPA 7471B	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96929	Analysis Date/Time	08/22/2013 09:21
Analytical Prep Batch #:	45457	Prep. Date/Time:	08/20/2013 12:30
ICAL Calibration #:	08222013	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7439-97-6	Mercury	0.0097		0.0022	0.0044	0.0087	0.0087

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.9	Lab Sample ID:	337822
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96873	Analysis Date/Time	08/20/2013 11:14
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-09-7	Potassium	1610		11	34	68	68
7440-23-5	Sodium	72.6		4.1	12	25	25

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.9	Lab Sample ID:	337822
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 11:34
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7782-49-2	Selenium	0.20	U	0.061	0.20	0.41	0.41
7440-22-4	Silver	0.051	U	0.017	0.051	0.10	0.10
7440-28-0	Thallium	0.25	U	0.082	0.25	0.49	0.49

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.9	Lab Sample ID:	337822
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	5.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 19:26
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers		DL	LOD	LOQ	RL
7429-90-5	Aluminum	12500			0.20	0.61	1.2	1.2
7440-36-0	Antimony	0.92	J	V	0.66	2.0	4.1	4.1
7440-38-2	Arsenic	11.7			0.66	2.0	4.1	4.1
7440-39-3	Barium	80.4		B	0.046	0.13	0.26	0.26
7440-41-7	Beryllium	0.64			0.020	0.061	0.20	0.20
7440-43-9	Cadmium	0.10	U	V	0.031	0.10	0.20	0.20
7440-70-2	Calcium	36200			1.2	3.6	7.2	7.2
7440-47-3	Chromium	18.5			0.12	0.36	0.72	0.72
7440-48-4	Cobalt	12.5			0.20	0.61	1.2	1.2
7440-50-8	Copper	20.7			0.36	1.0	2.0	2.0
7439-89-6	Iron	26000			1.5	4.6	9.2	9.2
7439-92-1	Lead	11.5			0.20	0.64	1.3	1.3
7439-95-4	Magnesium	8800			0.72	2.0	4.1	4.1
7439-96-5	Manganese	441			0.13	0.38	0.77	0.77
7440-02-0	Nickel	29.9			0.11	0.31	0.61	0.61
7440-62-2	Vanadium	18.8		B	0.061	0.20	0.41	0.41
7440-66-6	Zinc	62.2			0.26	0.77	1.5	1.5

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.1	Lab Sample ID:	337824
Analytical Method:	EPA 7471B	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96929	Analysis Date/Time	08/22/2013 09:23
Analytical Prep Batch #:	45457	Prep. Date/Time:	08/20/2013 12:30
ICAL Calibration #:	08222013	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7439-97-6	Mercury	0.0097		0.0022	0.0044	0.0088	0.0088

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.1	Lab Sample ID:	337824
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96873	Analysis Date/Time	08/20/2013 11:15
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-09-7	Potassium	1570		12	35	70	70
7440-23-5	Sodium	76.1		4.2	13	25	25

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.1	Lab Sample ID:	337824
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 11:38
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7782-49-2	Selenium	0.21	U	0.063	0.21	0.42	0.42
7440-22-4	Silver	0.053	U	0.018	0.053	0.11	0.11
7440-28-0	Thallium	0.25	U	0.085	0.25	0.51	0.51

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.1	Lab Sample ID:	337824
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	5.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 19:30
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers		DL	LOD	LOQ	RL
7429-90-5	Aluminum	11600			0.21	0.63	1.3	1.3
7440-36-0	Antimony	0.92	J	V	0.69	2.1	4.2	4.2
7440-38-2	Arsenic	11.6			0.69	2.1	4.2	4.2
7440-39-3	Barium	76.2		B	0.048	0.13	0.26	0.26
7440-41-7	Beryllium	0.59			0.021	0.063	0.21	0.21
7440-43-9	Cadmium	0.11	U	V	0.032	0.11	0.21	0.21
7440-70-2	Calcium	30500			1.3	3.7	7.4	7.4
7440-47-3	Chromium	17.6			0.12	0.37	0.74	0.74
7440-48-4	Cobalt	11.6			0.21	0.63	1.3	1.3
7440-50-8	Copper	19.3			0.37	1.1	2.1	2.1
7439-89-6	Iron	25000			1.6	4.8	9.5	9.5
7439-92-1	Lead	10.7			0.21	0.66	1.3	1.3
7439-95-4	Magnesium	8030			0.74	2.1	4.2	4.2
7439-96-5	Manganese	387			0.13	0.40	0.79	0.79
7440-02-0	Nickel	27.9			0.11	0.32	0.63	0.63
7440-62-2	Vanadium	17.8		B	0.063	0.21	0.42	0.42
7440-66-6	Zinc	58.9			0.26	0.79	1.6	1.6

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.2	Lab Sample ID:	337826
Analytical Method:	EPA 7471B	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96929	Analysis Date/Time	08/22/2013 09:25
Analytical Prep Batch #:	45457	Prep. Date/Time:	08/20/2013 12:30
ICAL Calibration #:	08222013	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7439-97-6	Mercury	0.0073	J	0.0023	0.0046	0.0091	0.0091

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.2	Lab Sample ID:	337826
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96873	Analysis Date/Time	08/20/2013 11:16
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-09-7	Potassium	1580		11	33	66	66
7440-23-5	Sodium	91.1		4.0	12	24	24

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.2	Lab Sample ID:	337826
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 11:42
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7782-49-2	Selenium	0.20	U	0.060	0.20	0.40	0.40
7440-22-4	Silver	0.050	U	0.017	0.050	0.10	0.10
7440-28-0	Thallium	0.24	U	0.080	0.24	0.48	0.48

CT LABORATORIES
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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.2	Lab Sample ID:	337826
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	5.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 19:34
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7429-90-5	Aluminum	11200		0.20	0.60	1.2	1.2
7440-36-0	Antimony	1.0	J V	0.65	2.0	4.0	4.0
7440-38-2	Arsenic	12.6		0.65	2.0	4.0	4.0
7440-39-3	Barium	79.8	B	0.045	0.13	0.25	0.25
7440-41-7	Beryllium	0.58		0.020	0.060	0.20	0.20
7440-43-9	Cadmium	0.10	U V	0.030	0.10	0.20	0.20
7440-70-2	Calcium	33900		1.2	3.5	7.0	7.0
7440-47-3	Chromium	16.6		0.12	0.35	0.70	0.70
7440-48-4	Cobalt	12.9		0.20	0.60	1.2	1.2
7440-50-8	Copper	18.5		0.35	1.0	2.0	2.0
7439-89-6	Iron	24600		1.5	4.5	9.0	9.0
7439-92-1	Lead	9.1		0.20	0.63	1.3	1.3
7439-95-4	Magnesium	7730		0.70	2.0	4.0	4.0
7439-96-5	Manganese	482		0.13	0.38	0.75	0.75
7440-02-0	Nickel	28.9		0.11	0.30	0.60	0.60
7440-62-2	Vanadium	16.6	B	0.060	0.20	0.40	0.40
7440-66-6	Zinc	54.7		0.25	0.75	1.5	1.5

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.6	Lab Sample ID:	337828
Analytical Method:	EPA 7471B	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96929	Analysis Date/Time	08/22/2013 09:27
Analytical Prep Batch #:	45457	Prep. Date/Time:	08/20/2013 12:30
ICAL Calibration #:	08222013	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7439-97-6	Mercury	0.0065	J	0.0023	0.0047	0.0092	0.0092

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.6	Lab Sample ID:	337828
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96873	Analysis Date/Time	08/20/2013 11:19
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-09-7	Potassium	1480		11	33	67	67
7440-23-5	Sodium	85.3		4.1	12	24	24

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.6	Lab Sample ID:	337828
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 11:46
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7782-49-2	Selenium	0.20	U	0.061	0.20	0.41	0.41
7440-22-4	Silver	0.051	U	0.017	0.051	0.10	0.10
7440-28-0	Thallium	0.24	U	0.081	0.24	0.49	0.49

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.6	Lab Sample ID:	337828
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	5.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 19:38
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers		DL	LOD	LOQ	RL
7429-90-5	Aluminum	11300			0.20	0.61	1.2	1.2
7440-36-0	Antimony	1.1	J	V	0.66	2.0	4.1	4.1
7440-38-2	Arsenic	11.1			0.66	2.0	4.1	4.1
7440-39-3	Barium	76.6		B	0.046	0.13	0.25	0.25
7440-41-7	Beryllium	0.57			0.020	0.061	0.20	0.20
7440-43-9	Cadmium	0.10	U	V	0.030	0.10	0.20	0.20
7440-70-2	Calcium	32200			1.2	3.6	7.1	7.1
7440-47-3	Chromium	16.2			0.12	0.36	0.71	0.71
7440-48-4	Cobalt	8.8			0.20	0.61	1.2	1.2
7440-50-8	Copper	16.7			0.36	1.0	2.0	2.0
7439-89-6	Iron	24200			1.5	4.6	9.1	9.1
7439-92-1	Lead	9.2			0.20	0.63	1.3	1.3
7439-95-4	Magnesium	6980			0.71	2.0	4.1	4.1
7439-96-5	Manganese	307			0.13	0.38	0.76	0.76
7440-02-0	Nickel	22.7			0.11	0.30	0.61	0.61
7440-62-2	Vanadium	16.5		B	0.061	0.20	0.41	0.41
7440-66-6	Zinc	51.3			0.25	0.76	1.5	1.5

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.4	Lab Sample ID:	337830
Analytical Method:	EPA 7471B	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96929	Analysis Date/Time	08/22/2013 09:29
Analytical Prep Batch #:	45457	Prep. Date/Time:	08/20/2013 12:30
ICAL Calibration #:	08222013	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7439-97-6	Mercury	0.0063	J	0.0023	0.0045	0.0090	0.0090

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.4	Lab Sample ID:	337830
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96873	Analysis Date/Time	08/20/2013 11:20
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-09-7	Potassium	1480		11	33	66	66
7440-23-5	Sodium	96.4		4.0	12	24	24

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.4	Lab Sample ID:	337830
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 11:50
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7782-49-2	Selenium	0.20	U	0.060	0.20	0.40	0.40
7440-22-4	Silver	0.050	U	0.017	0.050	0.10	0.10
7440-28-0	Thallium	0.24	U	0.080	0.24	0.48	0.48

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.4	Lab Sample ID:	337830
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	5.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 19:52
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers		DL	LOD	LOQ	RL
7429-90-5	Aluminum	10100			0.20	0.60	1.2	1.2
7440-36-0	Antimony	1.3	J	V	0.65	2.0	4.0	4.0
7440-38-2	Arsenic	11.0			0.65	2.0	4.0	4.0
7440-39-3	Barium	58.6		B	0.045	0.13	0.25	0.25
7440-41-7	Beryllium	0.53			0.020	0.060	0.20	0.20
7440-43-9	Cadmium	0.10	U	V	0.030	0.10	0.20	0.20
7440-70-2	Calcium	27400			1.2	3.5	7.0	7.0
7440-47-3	Chromium	15.1			0.12	0.35	0.70	0.70
7440-48-4	Cobalt	9.1			0.20	0.60	1.2	1.2
7440-50-8	Copper	16.9			0.35	1.0	2.0	2.0
7439-89-6	Iron	22300			1.5	4.5	9.0	9.0
7439-92-1	Lead	8.6			0.20	0.63	1.3	1.3
7439-95-4	Magnesium	6890			0.70	2.0	4.0	4.0
7439-96-5	Manganese	314			0.13	0.38	0.75	0.75
7440-02-0	Nickel	23.0			0.11	0.30	0.60	0.60
7440-62-2	Vanadium	15.5		B	0.060	0.20	0.40	0.40
7440-66-6	Zinc	48.7			0.25	0.75	1.5	1.5

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.3	Lab Sample ID:	337832
Analytical Method:	EPA 7471B	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96929	Analysis Date/Time	08/22/2013 09:30
Analytical Prep Batch #:	45457	Prep. Date/Time:	08/20/2013 12:30
ICAL Calibration #:	08222013	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7439-97-6	Mercury	0.0075	J	0.0024	0.0047	0.0093	0.0093

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.3	Lab Sample ID:	337832
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96873	Analysis Date/Time	08/20/2013 11:21
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-09-7	Potassium	1630		12	35	69	69
7440-23-5	Sodium	81.6		4.2	13	25	25

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.3	Lab Sample ID:	337832
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 11:54
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7782-49-2	Selenium	0.21	U	0.063	0.21	0.42	0.42
7440-22-4	Silver	0.052	U	0.018	0.052	0.10	0.10
7440-28-0	Thallium	0.25	U	0.084	0.25	0.50	0.50

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.3	Lab Sample ID:	337832
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	5.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 19:56
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers		DL	LOD	LOQ	RL
7429-90-5	Aluminum	8880			0.21	0.63	1.3	1.3
7440-36-0	Antimony	0.84	J	V	0.68	2.1	4.2	4.2
7440-38-2	Arsenic	7.0			0.68	2.1	4.2	4.2
7440-39-3	Barium	56.3		B	0.047	0.13	0.26	0.26
7440-41-7	Beryllium	0.47			0.021	0.063	0.21	0.21
7440-43-9	Cadmium	0.10	U	V	0.031	0.10	0.21	0.21
7440-70-2	Calcium	25200			1.3	3.7	7.3	7.3
7440-47-3	Chromium	14.8			0.12	0.37	0.73	0.73
7440-48-4	Cobalt	6.5			0.21	0.63	1.3	1.3
7440-50-8	Copper	11.1			0.37	1.0	2.1	2.1
7439-89-6	Iron	19200			1.6	4.7	9.4	9.4
7439-92-1	Lead	6.4			0.21	0.66	1.3	1.3
7439-95-4	Magnesium	4750			0.73	2.1	4.2	4.2
7439-96-5	Manganese	275			0.13	0.39	0.79	0.79
7440-02-0	Nickel	16.5			0.11	0.31	0.63	0.63
7440-62-2	Vanadium	14.7		B	0.063	0.21	0.42	0.42
7440-66-6	Zinc	33.6			0.26	0.79	1.6	1.6

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.9	Lab Sample ID:	337834
Analytical Method:	EPA 7471B	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96929	Analysis Date/Time	08/22/2013 09:32
Analytical Prep Batch #:	45457	Prep. Date/Time:	08/20/2013 12:30
ICAL Calibration #:	08222013	Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7439-97-6	Mercury	0.0076	J	0.0022	0.0045	0.0089	0.0089

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.9	Lab Sample ID:	337834
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96873	Analysis Date/Time	08/20/2013 11:22
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7440-09-7	Potassium	1670		11	34	68	68
7440-23-5	Sodium	87.5		4.1	12	25	25

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.9	Lab Sample ID:	337834
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 12:08
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7782-49-2	Selenium	0.21	U	0.062	0.21	0.41	0.41
7440-22-4	Silver	0.051	U	0.017	0.051	0.10	0.10
7440-28-0	Thallium	0.25	U	0.082	0.25	0.49	0.49

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.9	Lab Sample ID:	337834
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 20:00
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
7429-90-5	Aluminum	2020		0.041	0.12	0.25	0.25
7440-38-2	Arsenic	1.9		0.13	0.41	0.82	0.82
7440-39-3	Barium	11.7	B	0.0092	0.026	0.051	0.051
7440-41-7	Beryllium	0.10		0.0041	0.012	0.041	0.041
7440-70-2	Calcium	6030		0.25	0.72	1.4	1.4
7440-47-3	Chromium	3.1		0.024	0.072	0.14	0.14
7440-48-4	Cobalt	1.8		0.041	0.12	0.25	0.25
7440-50-8	Copper	3.5		0.072	0.21	0.41	0.41
7439-89-6	Iron	4310		0.31	0.92	1.8	1.8
7439-92-1	Lead	1.7		0.041	0.13	0.26	0.26
7439-95-4	Magnesium	1480		0.14	0.41	0.82	0.82
7439-96-5	Manganese	65.2		0.026	0.077	0.15	0.15
7440-02-0	Nickel	4.9		0.022	0.062	0.12	0.12
7440-62-2	Vanadium	3.2	B	0.012	0.041	0.082	0.082
7440-66-6	Zinc	10.0		0.051	0.15	0.31	0.31

CT LABORATORIES
delivering more than data from your environmental analyses

1

INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.9	Lab Sample ID:	337834
Analytical Method:	EPA 6010C	Date Received:	08/13/2013
Dilution Factor:	5.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96872	Analysis Date/Time	08/20/2013 20:00
Analytical Prep Batch #:	45510	Prep. Date/Time:	08/19/2013 11:30
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers		DL	LOD	LOQ	RL
7440-36-0	Antimony	0.86	J	V	0.67	2.1	4.1	4.1
7440-43-9	Cadmium	0.10	U	V	0.031	0.10	0.21	0.21

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

ICV

2A-1

INITIAL CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96929 Lab Sample ID: 342188

ICAL Calibration #: 08222013 Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Mercury	8/22/13	08:46	3.00	3.09	103	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

ICV

2A-1

INITIAL CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341252

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Aluminum	8/20/13	16:03	12000	11800	98	90	110
Antimony	8/20/13	16:03	500.0	517.0	103	90	110
Arsenic	8/20/13	16:03	2000	2060	103	90	110
Barium	8/20/13	16:03	2000	2020	101	90	110
Beryllium	8/20/13	16:03	50.00	50.80	102	90	110
Cadmium	8/20/13	16:03	50.00	51.30	103	90	110
Calcium	8/20/13	16:03	10000	10300	103	90	110
Chromium	8/20/13	16:03	200.0	211.0	106	90	110
Cobalt	8/20/13	16:03	500.0	513.0	103	90	110
Copper	8/20/13	16:03	250.0	264.0	106	90	110
Iron	8/20/13	16:03	5000	5040	101	90	110
Lead	8/20/13	16:03	500.0	506.0	101	90	110
Magnesium	8/20/13	16:03	10000	10100	101	90	110
Manganese	8/20/13	16:03	500.0	526.0	105	90	110
Nickel	8/20/13	16:03	500.0	513.0	103	90	110
Selenium	8/20/13	16:03	2000	2140	107	90	110
Silver	8/20/13	16:03	50.00	48.90	98	90	110
Thallium	8/20/13	16:03	2000	2030	102	90	110
Vanadium	8/20/13	16:03	500.0	530.0	106	90	110
Zinc	8/20/13	16:03	500.0	522.0	104	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

ICV

2A-1

INITIAL CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341253

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Aluminum	8/20/13	16:07	1200	1160	97	70	130
Antimony	8/20/13	16:07	60.00	58.40	97	70	130
Arsenic	8/20/13	16:07	60.00	61.40	102	70	130
Barium	8/20/13	16:07	30.00	32.00	107	70	130
Beryllium	8/20/13	16:07	12.00	12.70	106	70	130
Cadmium	8/20/13	16:07	15.00	15.70	105	70	130
Calcium	8/20/13	16:07	1500	1480	99	70	130
Chromium	8/20/13	16:07	30.00	30.20	101	70	130
Cobalt	8/20/13	16:07	30.00	31.80	106	70	130
Copper	8/20/13	16:07	30.00	31.70	106	70	130
Iron	8/20/13	16:07	900.0	907.0	101	70	130
Lead	8/20/13	16:07	30.00	28.20	94	70	130
Magnesium	8/20/13	16:07	1500	1450	97	70	130
Manganese	8/20/13	16:07	30.00	30.70	102	70	130
Nickel	8/20/13	16:07	30.00	32.20	107	70	130
Selenium	8/20/13	16:07	60.00	68.80	115	70	130
Thallium	8/20/13	16:07	60.00	61.30	102	70	130
Vanadium	8/20/13	16:07	30.00	33.00	110	70	130
Zinc	8/20/13	16:07	30.00	32.30	108	70	130

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

ICV

2A-1

INITIAL CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96873 Lab Sample ID: 341384

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Potassium	8/20/13	09:48	100000	101000	101	90	110
Sodium	8/20/13	09:48	100000	101000	101	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

ICV

2A-1

INITIAL CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341845

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Aluminum	8/20/13	09:58	12000	12000	100	90	110
Antimony	8/20/13	09:58	500.0	514.0	103	90	110
Arsenic	8/20/13	09:58	2000	2100	105	90	110
Barium	8/20/13	09:58	2000	2070	104	90	110
Beryllium	8/20/13	09:58	50.00	50.30	101	90	110
Cadmium	8/20/13	09:58	50.00	51.10	102	90	110
Calcium	8/20/13	09:58	10000	9890	99	90	110
Chromium	8/20/13	09:58	200.0	207.0	104	90	110
Cobalt	8/20/13	09:58	500.0	515.0	103	90	110
Copper	8/20/13	09:58	250.0	268.0	107	90	110
Iron	8/20/13	09:58	5000	5000	100	90	110
Lead	8/20/13	09:58	500.0	506.0	101	90	110
Magnesium	8/20/13	09:58	10000	10200	102	90	110
Manganese	8/20/13	09:58	500.0	498.0	100	90	110
Nickel	8/20/13	09:58	500.0	515.0	103	90	110
Selenium	8/20/13	09:58	2000	2110	106	90	110
Silver	8/20/13	09:58	50.00	48.10	96	90	110
Thallium	8/20/13	09:58	2000	2030	102	90	110
Vanadium	8/20/13	09:58	500.0	502.0	100	90	110
Zinc	8/20/13	09:58	500.0	518.0	104	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
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Sample No.

ICV

2A-1

INITIAL CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341846

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Aluminum	8/20/13	10:02	1200	1040	87	70	130
Antimony	8/20/13	10:02	60.00	57.10	95	70	130
Arsenic	8/20/13	10:02	60.00	61.00	102	70	130
Barium	8/20/13	10:02	30.00	31.70	106	70	130
Beryllium	8/20/13	10:02	12.00	12.80	107	70	130
Cadmium	8/20/13	10:02	15.00	15.60	104	70	130
Calcium	8/20/13	10:02	1500	1300	87	70	130
Chromium	8/20/13	10:02	30.00	30.20	101	70	130
Cobalt	8/20/13	10:02	30.00	31.10	104	70	130
Copper	8/20/13	10:02	30.00	31.10	104	70	130
Iron	8/20/13	10:02	900.0	826.0	92	70	130
Lead	8/20/13	10:02	30.00	29.00	97	70	130
Magnesium	8/20/13	10:02	1500	1450	97	70	130
Manganese	8/20/13	10:02	30.00	29.30	98	70	130
Nickel	8/20/13	10:02	30.00	31.80	106	70	130
Selenium	8/20/13	10:02	60.00	67.30	112	70	130
Thallium	8/20/13	10:02	60.00	60.50	101	70	130
Vanadium	8/20/13	10:02	30.00	31.60	105	70	130
Zinc	8/20/13	10:02	30.00	31.00	103	70	130

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
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Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341261

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Aluminum	8/20/13	18:02	5000	4680	94	90	110
Antimony	8/20/13	18:02	5000	4820	96	90	110
Arsenic	8/20/13	18:02	5000	4820	96	90	110
Barium	8/20/13	18:02	5000	4930	99	90	110
Beryllium	8/20/13	18:02	500.0	484.0	97	90	110
Cadmium	8/20/13	18:02	500.0	472.0	94	90	110
Calcium	8/20/13	18:02	5000	4910	98	90	110
Chromium	8/20/13	18:02	5000	4680	94	90	110
Cobalt	8/20/13	18:02	5000	4500	90	90	110
Copper	8/20/13	18:02	5000	4800	96	90	110
Iron	8/20/13	18:02	5000	4580	92	90	110
Lead	8/20/13	18:02	5000	4850	97	90	110
Magnesium	8/20/13	18:02	5000	4580	92	90	110
Manganese	8/20/13	18:02	5000	4780	96	90	110
Nickel	8/20/13	18:02	5000	4780	96	90	110
Selenium	8/20/13	18:02	5000	4830	97	90	110
Thallium	8/20/13	18:02	5000	4800	96	90	110
Vanadium	8/20/13	18:02	5000	4600	92	90	110
Zinc	8/20/13	18:02	5000	4650	93	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
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Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341262

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Aluminum	8/20/13	18:06	500.0	496.0	99	90	110
Antimony	8/20/13	18:06	500.0	495.0	99	90	110
Arsenic	8/20/13	18:06	500.0	498.0	100	90	110
Barium	8/20/13	18:06	500.0	489.0	98	90	110
Beryllium	8/20/13	18:06	50.00	49.40	99	90	110
Cadmium	8/20/13	18:06	50.00	50.30	101	90	110
Calcium	8/20/13	18:06	500.0	505.0	101	90	110
Chromium	8/20/13	18:06	500.0	497.0	99	90	110
Cobalt	8/20/13	18:06	500.0	499.0	100	90	110
Copper	8/20/13	18:06	500.0	514.0	103	90	110
Iron	8/20/13	18:06	500.0	474.0	95	90	110
Lead	8/20/13	18:06	500.0	493.0	99	90	110
Magnesium	8/20/13	18:06	500.0	476.0	95	90	110
Manganese	8/20/13	18:06	500.0	479.0	96	90	110
Nickel	8/20/13	18:06	500.0	499.0	100	90	110
Selenium	8/20/13	18:06	500.0	514.0	103	90	110
Silver	8/20/13	18:06	50.00	48.40	97	90	110
Thallium	8/20/13	18:06	500.0	498.0	100	90	110
Vanadium	8/20/13	18:06	500.0	498.0	100	90	110
Zinc	8/20/13	18:06	500.0	485.0	97	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
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Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341265

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)	
Aluminum	8/20/13	18:53	5000	4690	94	90	110	
Antimony	8/20/13	18:53	5000	4830	97	90	110	
Arsenic	8/20/13	18:53	5000	4810	96	90	110	
Barium	8/20/13	18:53	5000	4960	99	90	110	
Beryllium	8/20/13	18:53	500.0	477.0	95	90	110	
Cadmium	8/20/13	18:53	500.0	472.0	94	90	110	
Calcium	8/20/13	18:53	5000	4650	93	90	110	
Chromium	8/20/13	18:53	5000	4640	93	90	110	
Cobalt	8/20/13	18:53	5000	4430	89	90	110	FAIL
Copper	8/20/13	18:53	5000	4790	96	90	110	
Iron	8/20/13	18:53	5000	4700	94	90	110	
Lead	8/20/13	18:53	5000	4910	98	90	110	
Magnesium	8/20/13	18:53	5000	4660	93	90	110	
Manganese	8/20/13	18:53	5000	4730	95	90	110	
Nickel	8/20/13	18:53	5000	4740	95	90	110	
Selenium	8/20/13	18:53	5000	4810	96	90	110	
Thallium	8/20/13	18:53	5000	4670	93	90	110	
Vanadium	8/20/13	18:53	5000	4560	91	90	110	
Zinc	8/20/13	18:53	5000	4600	92	90	110	

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341266

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Aluminum	8/20/13	18:56	500.0	502.0	100	90	110
Antimony	8/20/13	18:56	500.0	506.0	101	90	110
Arsenic	8/20/13	18:56	500.0	504.0	101	90	110
Barium	8/20/13	18:56	500.0	498.0	100	90	110
Beryllium	8/20/13	18:56	50.00	49.80	100	90	110
Cadmium	8/20/13	18:56	50.00	50.20	100	90	110
Calcium	8/20/13	18:56	500.0	509.0	102	90	110
Chromium	8/20/13	18:56	500.0	503.0	101	90	110
Cobalt	8/20/13	18:56	500.0	504.0	101	90	110
Copper	8/20/13	18:56	500.0	517.0	103	90	110
Iron	8/20/13	18:56	500.0	515.0	103	90	110
Lead	8/20/13	18:56	500.0	495.0	99	90	110
Magnesium	8/20/13	18:56	500.0	480.0	96	90	110
Manganese	8/20/13	18:56	500.0	478.0	96	90	110
Nickel	8/20/13	18:56	500.0	504.0	101	90	110
Selenium	8/20/13	18:56	500.0	521.0	104	90	110
Silver	8/20/13	18:56	50.00	49.60	99	90	110
Thallium	8/20/13	18:56	500.0	503.0	101	90	110
Vanadium	8/20/13	18:56	500.0	504.0	101	90	110
Zinc	8/20/13	18:56	500.0	485.0	97	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341269

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Aluminum	8/20/13	19:41	5000	4780	96	90	110
Antimony	8/20/13	19:41	5000	4910	98	90	110
Arsenic	8/20/13	19:41	5000	4950	99	90	110
Barium	8/20/13	19:41	5000	5040	101	90	110
Beryllium	8/20/13	19:41	500.0	488.0	98	90	110
Cadmium	8/20/13	19:41	500.0	482.0	96	90	110
Calcium	8/20/13	19:41	5000	4770	95	90	110
Chromium	8/20/13	19:41	5000	4810	96	90	110
Cobalt	8/20/13	19:41	5000	4480	90	90	110
Copper	8/20/13	19:41	5000	4800	96	90	110
Iron	8/20/13	19:41	5000	4740	95	90	110
Lead	8/20/13	19:41	5000	4990	100	90	110
Magnesium	8/20/13	19:41	5000	4820	96	90	110
Manganese	8/20/13	19:41	5000	4820	96	90	110
Nickel	8/20/13	19:41	5000	4880	98	90	110
Selenium	8/20/13	19:41	5000	4810	96	90	110
Thallium	8/20/13	19:41	5000	4650	93	90	110
Vanadium	8/20/13	19:41	5000	4590	92	90	110
Zinc	8/20/13	19:41	5000	4790	96	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341270

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Aluminum	8/20/13	19:45	500.0	513.0	103	90	110
Antimony	8/20/13	19:45	500.0	509.0	102	90	110
Arsenic	8/20/13	19:45	500.0	511.0	102	90	110
Barium	8/20/13	19:45	500.0	514.0	103	90	110
Beryllium	8/20/13	19:45	50.00	51.20	102	90	110
Cadmium	8/20/13	19:45	50.00	50.60	101	90	110
Calcium	8/20/13	19:45	500.0	523.0	105	90	110
Chromium	8/20/13	19:45	500.0	512.0	102	90	110
Cobalt	8/20/13	19:45	500.0	512.0	102	90	110
Copper	8/20/13	19:45	500.0	523.0	105	90	110
Iron	8/20/13	19:45	500.0	530.0	106	90	110
Lead	8/20/13	19:45	500.0	504.0	101	90	110
Magnesium	8/20/13	19:45	500.0	496.0	99	90	110
Manganese	8/20/13	19:45	500.0	489.0	98	90	110
Nickel	8/20/13	19:45	500.0	512.0	102	90	110
Selenium	8/20/13	19:45	500.0	528.0	106	90	110
Silver	8/20/13	19:45	50.00	49.40	99	90	110
Thallium	8/20/13	19:45	500.0	512.0	102	90	110
Vanadium	8/20/13	19:45	500.0	513.0	103	90	110
Zinc	8/20/13	19:45	500.0	490.0	98	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341272

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)	
Aluminum	8/20/13	20:30	5000	4710	94	90	110	
Antimony	8/20/13	20:30	5000	4930	99	90	110	
Arsenic	8/20/13	20:30	5000	4990	100	90	110	
Barium	8/20/13	20:30	5000	4960	99	90	110	
Beryllium	8/20/13	20:30	500.0	478.0	96	90	110	
Cadmium	8/20/13	20:30	500.0	484.0	97	90	110	
Calcium	8/20/13	20:30	5000	4720	94	90	110	
Chromium	8/20/13	20:30	5000	4800	96	90	110	
Cobalt	8/20/13	20:30	5000	4360	87	90	110	FAIL
Copper	8/20/13	20:30	5000	4670	93	90	110	
Iron	8/20/13	20:30	5000	4670	93	90	110	
Lead	8/20/13	20:30	5000	5010	100	90	110	
Magnesium	8/20/13	20:30	5000	4880	98	90	110	
Manganese	8/20/13	20:30	5000	4740	95	90	110	
Nickel	8/20/13	20:30	5000	4910	98	90	110	
Selenium	8/20/13	20:30	5000	4780	96	90	110	
Thallium	8/20/13	20:30	5000	4840	97	90	110	
Vanadium	8/20/13	20:30	5000	4480	90	90	110	
Zinc	8/20/13	20:30	5000	4860	97	90	110	

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341273

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Aluminum	8/20/13	20:33	500.0	526.0	105	90	110
Antimony	8/20/13	20:33	500.0	515.0	103	90	110
Arsenic	8/20/13	20:33	500.0	521.0	104	90	110
Barium	8/20/13	20:33	500.0	511.0	102	90	110
Beryllium	8/20/13	20:33	50.00	51.30	103	90	110
Cadmium	8/20/13	20:33	50.00	51.30	103	90	110
Calcium	8/20/13	20:33	500.0	514.0	103	90	110
Chromium	8/20/13	20:33	500.0	525.0	105	90	110
Cobalt	8/20/13	20:33	500.0	528.0	106	90	110
Copper	8/20/13	20:33	500.0	536.0	107	90	110
Iron	8/20/13	20:33	500.0	524.0	105	90	110
Lead	8/20/13	20:33	500.0	509.0	102	90	110
Magnesium	8/20/13	20:33	500.0	495.0	99	90	110
Manganese	8/20/13	20:33	500.0	482.0	96	90	110
Nickel	8/20/13	20:33	500.0	530.0	106	90	110
Selenium	8/20/13	20:33	500.0	540.0	108	90	110
Silver	8/20/13	20:33	50.00	50.10	100	90	110
Thallium	8/20/13	20:33	500.0	520.0	104	90	110
Vanadium	8/20/13	20:33	500.0	523.0	105	90	110
Zinc	8/20/13	20:33	500.0	494.0	99	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96873 Lab Sample ID: 341390

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Potassium	8/20/13	11:05	100000	105000	105	90	110
Sodium	8/20/13	11:05	100000	105000	105	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96873 Lab Sample ID: 341394

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Potassium	8/20/13	11:17	100000	103000	103	90	110
Sodium	8/20/13	11:17	100000	103000	103	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341852

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Aluminum	8/20/13	11:08	5000	4900	98	90	110
Antimony	8/20/13	11:08	5000	5280	106	90	110
Arsenic	8/20/13	11:08	5000	5310	106	90	110
Barium	8/20/13	11:08	5000	5130	103	90	110
Beryllium	8/20/13	11:08	500.0	487.0	97	90	110
Cadmium	8/20/13	11:08	500.0	521.0	104	90	110
Calcium	8/20/13	11:08	5000	4850	97	90	110
Chromium	8/20/13	11:08	5000	4830	97	90	110
Cobalt	8/20/13	11:08	5000	4740	95	90	110
Copper	8/20/13	11:08	5000	5040	101	90	110
Iron	8/20/13	11:08	5000	5290	106	90	110
Lead	8/20/13	11:08	5000	5330	107	90	110
Magnesium	8/20/13	11:08	5000	4870	97	90	110
Manganese	8/20/13	11:08	5000	5110	102	90	110
Nickel	8/20/13	11:08	5000	5330	107	90	110
Selenium	8/20/13	11:08	5000	5370	107	90	110
Silver	8/20/13	11:08	500.0	497.0	99	90	110
Thallium	8/20/13	11:08	5000	4840	97	90	110
Vanadium	8/20/13	11:08	5000	4840	97	90	110
Zinc	8/20/13	11:08	5000	5260	105	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341853

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)	
Aluminum	8/20/13	11:11	500.0	568.0	114	90	110	FAIL
Antimony	8/20/13	11:11	500.0	535.0	107	90	110	
Arsenic	8/20/13	11:11	500.0	537.0	107	90	110	
Barium	8/20/13	11:11	500.0	519.0	104	90	110	
Beryllium	8/20/13	11:11	50.00	52.00	104	90	110	
Cadmium	8/20/13	11:11	50.00	55.50	111	90	110	FAIL
Calcium	8/20/13	11:11	500.0	493.0	99	90	110	
Chromium	8/20/13	11:11	500.0	532.0	106	90	110	
Cobalt	8/20/13	11:11	500.0	532.0	106	90	110	
Copper	8/20/13	11:11	500.0	556.0	111	90	110	FAIL
Iron	8/20/13	11:11	500.0	418.0	84	90	110	FAIL
Lead	8/20/13	11:11	500.0	536.0	107	90	110	
Magnesium	8/20/13	11:11	500.0	474.0	95	90	110	
Manganese	8/20/13	11:11	500.0	498.0	100	90	110	
Nickel	8/20/13	11:11	500.0	530.0	106	90	110	
Selenium	8/20/13	11:11	500.0	566.0	113	90	110	FAIL
Silver	8/20/13	11:11	50.00	54.10	108	90	110	
Thallium	8/20/13	11:11	500.0	543.0	109	90	110	
Vanadium	8/20/13	11:11	500.0	528.0	106	90	110	
Zinc	8/20/13	11:11	500.0	533.0	107	90	110	

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341856

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Aluminum	8/20/13	11:58	5000	4810	96	90	110
Antimony	8/20/13	11:58	5000	5470	109	90	110
Arsenic	8/20/13	11:58	5000	5460	109	90	110
Barium	8/20/13	11:58	5000	5110	102	90	110
Beryllium	8/20/13	11:58	500.0	460.0	92	90	110
Cadmium	8/20/13	11:58	500.0	539.0	108	90	110
Calcium	8/20/13	11:58	5000	4640	93	90	110
Chromium	8/20/13	11:58	5000	4620	92	90	110
Cobalt	8/20/13	11:58	5000	4500	90	90	110
Copper	8/20/13	11:58	5000	4910	98	90	110
Iron	8/20/13	11:58	5000	5060	101	90	110
Lead	8/20/13	11:58	5000	5490	110	90	110
Magnesium	8/20/13	11:58	5000	4650	93	90	110
Manganese	8/20/13	11:58	5000	4890	98	90	110
Nickel	8/20/13	11:58	5000	5470	109	90	110
Selenium	8/20/13	11:58	5000	5460	109	90	110
Silver	8/20/13	11:58	500.0	512.0	102	90	110
Thallium	8/20/13	11:58	5000	4520	90	90	110
Vanadium	8/20/13	11:58	5000	4680	94	90	110
Zinc	8/20/13	11:58	5000	5370	107	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341857

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)	
Antimony	8/20/13	12:01	500.0	556.0	111	90	110	FAIL
Barium	8/20/13	12:01	500.0	542.0	108	90	110	
Beryllium	8/20/13	12:01	50.00	53.00	106	90	110	
Cadmium	8/20/13	12:01	50.00	57.80	116	90	110	FAIL
Calcium	8/20/13	12:01	500.0	518.0	104	90	110	
Cobalt	8/20/13	12:01	500.0	551.0	110	90	110	
Magnesium	8/20/13	12:01	500.0	478.0	96	90	110	
Manganese	8/20/13	12:01	500.0	502.0	100	90	110	
Nickel	8/20/13	12:01	500.0	549.0	110	90	110	
Selenium	8/20/13	12:01	500.0	592.0	118	90	110	FAIL
Silver	8/20/13	12:01	50.00	56.30	113	90	110	FAIL
Thallium	8/20/13	12:01	500.0	564.0	113	90	110	FAIL

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341859

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)	
Aluminum	8/20/13	12:46	5000	4950	99	90	110	
Antimony	8/20/13	12:46	5000	5590	112	90	110	FAIL
Barium	8/20/13	12:46	5000	5320	106	90	110	
Beryllium	8/20/13	12:46	500.0	455.0	91	90	110	
Cadmium	8/20/13	12:46	500.0	550.0	110	90	110	
Calcium	8/20/13	12:46	5000	4690	94	90	110	
Chromium	8/20/13	12:46	5000	4650	93	90	110	
Copper	8/20/13	12:46	5000	4990	100	90	110	
Iron	8/20/13	12:46	5000	4920	98	90	110	
Magnesium	8/20/13	12:46	5000	5250	105	90	110	
Manganese	8/20/13	12:46	5000	4900	98	90	110	
Selenium	8/20/13	12:46	5000	5690	114	90	110	FAIL
Silver	8/20/13	12:46	500.0	525.0	105	90	110	
Thallium	8/20/13	12:46	5000	4450	89	90	110	FAIL
Vanadium	8/20/13	12:46	5000	4750	95	90	110	
Zinc	8/20/13	12:46	5000	5490	110	90	110	

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341860

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)	
Antimony	8/20/13	12:50	500.0	560.0	112	90	110	FAIL
Barium	8/20/13	12:50	500.0	525.0	105	90	110	
Beryllium	8/20/13	12:50	50.00	50.40	101	90	110	
Cadmium	8/20/13	12:50	50.00	58.00	116	90	110	FAIL
Calcium	8/20/13	12:50	500.0	497.0	99	90	110	
Iron	8/20/13	12:50	500.0	396.0	79	90	110	FAIL
Magnesium	8/20/13	12:50	500.0	453.0	91	90	110	
Manganese	8/20/13	12:50	500.0	472.0	94	90	110	
Nickel	8/20/13	12:50	500.0	551.0	110	90	110	
Selenium	8/20/13	12:50	500.0	599.0	120	90	110	FAIL
Silver	8/20/13	12:50	50.00	55.60	111	90	110	FAIL
Thallium	8/20/13	12:50	500.0	571.0	114	90	110	FAIL

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96929 Lab Sample ID: 342191

ICAL Calibration #: 08222013 Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Mercury	8/22/13	09:12	3.00	2.55	85	80	120

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96929 Lab Sample ID: 342195

ICAL Calibration #: 08222013 Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Mercury	8/22/13	09:34	3.00	3.28	109	80	120

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96873 Lab Sample ID: 342363

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Potassium	8/20/13	11:30	100000	103000	103	90	110
Sodium	8/20/13	11:30	100000	104000	104	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

MRL

2B

MRL STANDARD CHECK

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341255

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Aluminum	8/20/13	16:19	400.0	417.0	104	70	130
Antimony	8/20/13	16:19	20.00	20.80	104	70	130
Arsenic	8/20/13	16:19	20.00	19.50	98	70	130
Barium	8/20/13	16:19	10.00	10.20	102	70	130
Beryllium	8/20/13	16:19	4.00	4.44	111	70	130
Cadmium	8/20/13	16:19	5.00	4.43	89	70	130
Calcium	8/20/13	16:19	500.0	523.0	105	70	130
Chromium	8/20/13	16:19	10.00	8.58	86	70	130
Cobalt	8/20/13	16:19	10.00	10.50	105	70	130
Copper	8/20/13	16:19	10.00	10.60	106	70	130
Iron	8/20/13	16:19	300.0	303.0	101	70	130
Lead	8/20/13	16:19	10.00	8.50	85	70	130
Magnesium	8/20/13	16:19	500.0	511.0	102	70	130
Manganese	8/20/13	16:19	10.00	11.20	112	70	130
Nickel	8/20/13	16:19	10.00	10.90	109	70	130
Selenium	8/20/13	16:19	20.00	21.70	108	70	130
Silver	8/20/13	16:19	20.00	19.00	95	70	130
Thallium	8/20/13	16:19	20.00	21.60	108	70	130
Vanadium	8/20/13	16:19	10.00	11.50	115	70	130
Zinc	8/20/13	16:19	10.00	12.10	121	70	130

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

MRL

2B

MRL STANDARD CHECK

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341281

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)	
Aluminum	8/20/13	22:33	400.0	443.0	111	70	130	
Antimony	8/20/13	22:33	20.00	22.70	114	70	130	
Arsenic	8/20/13	22:33	20.00	19.40	97	70	130	
Barium	8/20/13	22:33	10.00	11.20	112	70	130	
Beryllium	8/20/13	22:33	4.00	4.23	106	70	130	
Cadmium	8/20/13	22:33	5.00	4.47	89	70	130	
Calcium	8/20/13	22:33	500.0	615.0	123	70	130	
Chromium	8/20/13	22:33	10.00	9.16	92	70	130	
Cobalt	8/20/13	22:33	10.00	11.50	115	70	130	
Copper	8/20/13	22:33	10.00	11.70	117	70	130	
Iron	8/20/13	22:33	300.0	537.0	179	70	130	FAIL
Lead	8/20/13	22:33	10.00	9.26	93	70	130	
Magnesium	8/20/13	22:33	500.0	518.0	104	70	130	
Manganese	8/20/13	22:33	10.00	10.70	107	70	130	
Nickel	8/20/13	22:33	10.00	12.00	120	70	130	
Selenium	8/20/13	22:33	20.00	24.30	122	70	130	
Silver	8/20/13	22:33	20.00	19.10	96	70	130	
Thallium	8/20/13	22:33	20.00	20.50	102	70	130	
Vanadium	8/20/13	22:33	10.00	11.90	119	70	130	
Zinc	8/20/13	22:33	10.00	12.10	121	70	130	

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

MRL

2B

MRL STANDARD CHECK

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96873 Lab Sample ID: 341387

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Potassium	8/20/13	09:51	1000	1120	112	80	120
Sodium	8/20/13	09:51	1000	1100	110	80	120

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

MRL

2B

MRL STANDARD CHECK

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341848

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)	
Aluminum	8/20/13	10:13	400.0	423.0	106	80	120	
Antimony	8/20/13	10:13	20.00	20.90	104	80	120	
Arsenic	8/20/13	10:13	20.00	20.10	100	80	120	
Barium	8/20/13	10:13	10.00	9.50	95	80	120	
Beryllium	8/20/13	10:13	4.00	4.46	112	80	120	
Cadmium	8/20/13	10:13	5.00	4.78	96	80	120	
Calcium	8/20/13	10:13	500.0	489.0	98	80	120	
Chromium	8/20/13	10:13	10.00	9.33	93	80	120	
Cobalt	8/20/13	10:13	10.00	10.70	107	80	120	
Copper	8/20/13	10:13	10.00	11.40	114	80	120	
Iron	8/20/13	10:13	300.0	191.0	64	80	120	FAIL
Lead	8/20/13	10:13	10.00	9.93	99	80	120	
Magnesium	8/20/13	10:13	500.0	484.0	97	80	120	
Manganese	8/20/13	10:13	10.00	10.90	109	80	120	
Nickel	8/20/13	10:13	10.00	11.40	114	80	120	
Selenium	8/20/13	10:13	20.00	20.50	102	80	120	
Silver	8/20/13	10:13	20.00	18.90	94	80	120	
Thallium	8/20/13	10:13	20.00	19.30	96	80	120	
Vanadium	8/20/13	10:13	10.00	11.10	111	80	120	
Zinc	8/20/13	10:13	10.00	12.00	120	80	120	

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No.

MRL

2B

MRL STANDARD CHECK

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341945

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)	
Aluminum	8/20/13	14:46	400.0	502.0	126	70	130	
Antimony	8/20/13	14:46	20.00	24.00	120	70	130	
Arsenic	8/20/13	14:46	20.00	21.10	106	70	130	
Barium	8/20/13	14:46	10.00	10.70	107	70	130	
Beryllium	8/20/13	14:46	4.00	4.31	108	70	130	
Cadmium	8/20/13	14:46	5.00	5.71	114	70	130	
Calcium	8/20/13	14:46	500.0	528.0	106	70	130	
Chromium	8/20/13	14:46	10.00	11.10	111	70	130	
Cobalt	8/20/13	14:46	10.00	12.20	122	70	130	
Copper	8/20/13	14:46	10.00	12.50	125	70	130	
Iron	8/20/13	14:46	300.0	165.0	55	70	130	FAIL
Lead	8/20/13	14:46	10.00	9.89	99	70	130	
Magnesium	8/20/13	14:46	500.0	443.0	89	70	130	
Manganese	8/20/13	14:46	10.00	9.82	98	70	130	
Nickel	8/20/13	14:46	10.00	12.20	122	70	130	
Selenium	8/20/13	14:46	20.00	25.60	128	70	130	
Silver	8/20/13	14:46	20.00	22.00	110	70	130	
Thallium	8/20/13	14:46	20.00	22.70	114	70	130	
Vanadium	8/20/13	14:46	10.00	12.30	123	70	130	
Zinc	8/20/13	14:46	10.00	12.90	129	70	130	

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

CT LABORATORIES
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Sample No

ICB

3-1

INITIAL CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341254

Analytical Prep Batch # 0 Preparation Date/Time:

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit	
Aluminum	08/20/2013 16:15	-6.16			4.8	
Antimony	08/20/2013 16:15	1.44			16	
Arsenic	08/20/2013 16:15	-1.34			16	
Barium	08/20/2013 16:15	-0.189			1.0	
Beryllium	08/20/2013 16:15	-0.0910			0.48	
Cadmium	08/20/2013 16:15	-1.14			0.8	
Calcium	08/20/2013 16:15	-6.38			28	
Chromium	08/20/2013 16:15	-1.92			2.8	
Cobalt	08/20/2013 16:15	0.0200			4.8	
Copper	08/20/2013 16:15	-0.0850			8.0	
Iron	08/20/2013 16:15	12.20			36	
Lead	08/20/2013 16:15	-2.20			5.0	
Magnesium	08/20/2013 16:15	17.00			16	FAIL
Manganese	08/20/2013 16:15	-0.292			3.0	
Nickel	08/20/2013 16:15	-0.0210			2.4	
Selenium	08/20/2013 16:15	-0.101			8.0	
Silver	08/20/2013 16:15	0.872			2.0	
Thallium	08/20/2013 16:15	0.329			9.6	
Vanadium	08/20/2013 16:15	0.854			1.6	
Zinc	08/20/2013 16:15	0.502			6.0	

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
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Sample No

ICB

3-1

INITIAL CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96873 Lab Sample ID: 341386

Analytical Prep Batch # 0 Preparation Date/Time:

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Potassium	08/20/2013 09:50	18.00			1320
Sodium	08/20/2013 09:50	30.00			480

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
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Sample No

ICB

3-1

INITIAL CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341847

Analytical Prep Batch # 0 Preparation Date/Time:

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Aluminum	08/20/2013 10:10	-25.7			4.8
Antimony	08/20/2013 10:10	-0.951			16
Arsenic	08/20/2013 10:10	-1.71			16
Barium	08/20/2013 10:10	-1.12			1.0
Beryllium	08/20/2013 10:10	0.163			0.48
Cadmium	08/20/2013 10:10	-0.850			0.8
Calcium	08/20/2013 10:10	-46.6			28
Chromium	08/20/2013 10:10	-0.734			2.8
Cobalt	08/20/2013 10:10	0.0270			4.8
Copper	08/20/2013 10:10	-0.0270			8.0
Iron	08/20/2013 10:10	0			36
Lead	08/20/2013 10:10	-0.660			5.0
Magnesium	08/20/2013 10:10	-24.2			16
Manganese	08/20/2013 10:10	-0.687			3.0
Nickel	08/20/2013 10:10	0.171			2.4
Selenium	08/20/2013 10:10	-0.379			8.0
Silver	08/20/2013 10:10	0.421			2.0
Thallium	08/20/2013 10:10	1.01			9.6
Vanadium	08/20/2013 10:10	0.0870			1.6
Zinc	08/20/2013 10:10	-0.221			6.0

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No

ICB

3-1

INITIAL CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96929 Lab Sample ID: 342189

Analytical Prep Batch # 0 Preparation Date/Time:

ICAL Calibration #: 08222013 Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Mercury	08/22/2013 08:48	0			0.10

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
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Sample No

3-2

CCB

CONTINUING CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341263

Analytical Prep Batch # 0 Preparation Date/Time:

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit	
Aluminum	08/20/2013 18:09	-8.61			4.8	
Antimony	08/20/2013 18:09	1.41			16	
Arsenic	08/20/2013 18:09	-1.42			16	
Barium	08/20/2013 18:09	1.59			1.0	FAIL
Beryllium	08/20/2013 18:09	0.237			0.48	
Cadmium	08/20/2013 18:09	-1.20			0.8	
Calcium	08/20/2013 18:09	-6.01			28	
Chromium	08/20/2013 18:09	0.318			2.8	
Cobalt	08/20/2013 18:09	0.349			4.8	
Copper	08/20/2013 18:09	0.723			8.0	
Iron	08/20/2013 18:09	6.71			36	
Lead	08/20/2013 18:09	-1.53			5.0	
Magnesium	08/20/2013 18:09	14.90			16	
Manganese	08/20/2013 18:09	0.750			3.0	
Nickel	08/20/2013 18:09	0.360			2.4	
Selenium	08/20/2013 18:09	5.84			8.0	
Silver	08/20/2013 18:09	1.09			2.0	
Thallium	08/20/2013 18:09	3.42			9.6	
Vanadium	08/20/2013 18:09	1.71			1.6	FAIL
Zinc	08/20/2013 18:09	1.04			6.0	

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was
less.

CT LABORATORIES
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Sample No

CCB

3-2

CONTINUING CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341267

Analytical Prep Batch # 0 Preparation Date/Time:

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit	
Aluminum	08/20/2013 19:00	-8.21			4.8	
Antimony	08/20/2013 19:00	0.995			16	
Arsenic	08/20/2013 19:00	-1.81			16	
Barium	08/20/2013 19:00	1.59			1.0	FAIL
Beryllium	08/20/2013 19:00	0.203			0.48	
Cadmium	08/20/2013 19:00	-1.18			0.8	
Calcium	08/20/2013 19:00	-5.65			28	
Chromium	08/20/2013 19:00	-0.268			2.8	
Cobalt	08/20/2013 19:00	0.527			4.8	
Copper	08/20/2013 19:00	0.692			8.0	
Iron	08/20/2013 19:00	20.90			36	
Lead	08/20/2013 19:00	-0.762			5.0	
Magnesium	08/20/2013 19:00	15.00			16	
Manganese	08/20/2013 19:00	0.882			3.0	
Nickel	08/20/2013 19:00	0.473			2.4	
Selenium	08/20/2013 19:00	4.68			8.0	
Silver	08/20/2013 19:00	1.57			2.0	
Thallium	08/20/2013 19:00	2.10			9.6	
Vanadium	08/20/2013 19:00	1.45			1.6	
Zinc	08/20/2013 19:00	0.909			6.0	

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
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Sample No

3-2

CCB

CONTINUING CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341271

Analytical Prep Batch # 0 Preparation Date/Time:

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit	
Aluminum	08/20/2013 19:48	-8.05			4.8	
Antimony	08/20/2013 19:48	2.03			16	
Arsenic	08/20/2013 19:48	-0.117			16	
Barium	08/20/2013 19:48	1.58			1.0	FAIL
Beryllium	08/20/2013 19:48	0.276			0.48	
Cadmium	08/20/2013 19:48	-1.13			0.8	
Calcium	08/20/2013 19:48	-6.13			28	
Chromium	08/20/2013 19:48	-0.234			2.8	
Cobalt	08/20/2013 19:48	0.485			4.8	
Copper	08/20/2013 19:48	0.636			8.0	
Iron	08/20/2013 19:48	21.90			36	
Lead	08/20/2013 19:48	-1.84			5.0	
Magnesium	08/20/2013 19:48	14.90			16	
Manganese	08/20/2013 19:48	0.772			3.0	
Nickel	08/20/2013 19:48	0.609			2.4	
Selenium	08/20/2013 19:48	5.45			8.0	
Silver	08/20/2013 19:48	1.10			2.0	
Thallium	08/20/2013 19:48	2.56			9.6	
Vanadium	08/20/2013 19:48	1.78			1.6	FAIL
Zinc	08/20/2013 19:48	1.13			6.0	

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No

3-2

CCB

CONTINUING CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341274

Analytical Prep Batch # 0 Preparation Date/Time:

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit	
Aluminum	08/20/2013 20:37	-8.19			4.8	
Antimony	08/20/2013 20:37	1.30			16	
Arsenic	08/20/2013 20:37	-1.58			16	
Barium	08/20/2013 20:37	1.41			1.0	FAIL
Beryllium	08/20/2013 20:37	0.271			0.48	
Cadmium	08/20/2013 20:37	-1.25			0.8	
Calcium	08/20/2013 20:37	-6.02			28	
Chromium	08/20/2013 20:37	-0.275			2.8	
Cobalt	08/20/2013 20:37	0.524			4.8	
Copper	08/20/2013 20:37	0.801			8.0	
Iron	08/20/2013 20:37	18.60			36	
Lead	08/20/2013 20:37	-1.21			5.0	
Magnesium	08/20/2013 20:37	14.80			16	
Manganese	08/20/2013 20:37	1.05			3.0	
Nickel	08/20/2013 20:37	0.630			2.4	
Selenium	08/20/2013 20:37	3.16			8.0	
Silver	08/20/2013 20:37	1.21			2.0	
Thallium	08/20/2013 20:37	2.32			9.6	
Vanadium	08/20/2013 20:37	1.46			1.6	
Zinc	08/20/2013 20:37	1.02			6.0	

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was
less.

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No

CCB

3-2

CONTINUING CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96873 Lab Sample ID: 341391

Analytical Prep Batch # 0 Preparation Date/Time:

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Potassium	08/20/2013 11:06	57.00			1320
Sodium	08/20/2013 11:06	65.00			480

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No

CCB

3-2

CONTINUING CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96873 Lab Sample ID: 341395

Analytical Prep Batch # 0 Preparation Date/Time:

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Potassium	08/20/2013 11:18	22.00			1320
Sodium	08/20/2013 11:18	17.00			480

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No

CCB

3-2

CONTINUING CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341854

Analytical Prep Batch # 0 Preparation Date/Time:

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Aluminum	08/20/2013 11:15	-28.3			4.8
Antimony	08/20/2013 11:15	1.47			16
Arsenic	08/20/2013 11:15	0.162			16
Barium	08/20/2013 11:15	-0.299			1.0
Beryllium	08/20/2013 11:15	0.0860			0.48
Cadmium	08/20/2013 11:15	-0.824			0.8
Calcium	08/20/2013 11:15	-45.7			28
Chromium	08/20/2013 11:15	0.832			2.8
Cobalt	08/20/2013 11:15	0.247			4.8
Copper	08/20/2013 11:15	-0.109			8.0
Iron	08/20/2013 11:15	0			36
Lead	08/20/2013 11:15	-0.529			5.0
Magnesium	08/20/2013 11:15	-25.1			16
Manganese	08/20/2013 11:15	0.262			3.0
Nickel	08/20/2013 11:15	-0.132			2.4
Selenium	08/20/2013 11:15	2.85			8.0
Silver	08/20/2013 11:15	0.369			2.0
Thallium	08/20/2013 11:15	2.58			9.6
Vanadium	08/20/2013 11:15	0.673			1.6
Zinc	08/20/2013 11:15	-0.406			6.0

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was
less.

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No

CCB

3-2

CONTINUING CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341858

Analytical Prep Batch # 0 Preparation Date/Time:

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Aluminum	08/20/2013 12:05	-27.4			4.8
Antimony	08/20/2013 12:05	-2.72			16
Arsenic	08/20/2013 12:05	-0.179			16
Barium	08/20/2013 12:05	-0.191			1.0
Beryllium	08/20/2013 12:05	0.273			0.48
Cadmium	08/20/2013 12:05	-0.678			0.8
Calcium	08/20/2013 12:05	-45.0			28
Chromium	08/20/2013 12:05	0.626			2.8
Cobalt	08/20/2013 12:05	0.195			4.8
Copper	08/20/2013 12:05	0.0250			8.0
Iron	08/20/2013 12:05	0			36
Lead	08/20/2013 12:05	-0.668			5.0
Magnesium	08/20/2013 12:05	-25.0			16
Manganese	08/20/2013 12:05	-0.188			3.0
Nickel	08/20/2013 12:05	0.219			2.4
Selenium	08/20/2013 12:05	2.99			8.0
Silver	08/20/2013 12:05	0.190			2.0
Thallium	08/20/2013 12:05	2.48			9.6
Vanadium	08/20/2013 12:05	0.592			1.6
Zinc	08/20/2013 12:05	-0.347			6.0

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was
less.

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No

CCB

3-2

CONTINUING CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 341861

Analytical Prep Batch # 0 Preparation Date/Time:

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Aluminum	08/20/2013 12:53	-25.7			4.8
Antimony	08/20/2013 12:53	-1.62			16
Arsenic	08/20/2013 12:53	0.950			16
Barium	08/20/2013 12:53	0.0470			1.0
Beryllium	08/20/2013 12:53	0.0920			0.48
Cadmium	08/20/2013 12:53	-0.733			0.8
Calcium	08/20/2013 12:53	-44.0			28
Chromium	08/20/2013 12:53	1.15			2.8
Cobalt	08/20/2013 12:53	0.407			4.8
Copper	08/20/2013 12:53	0.213			8.0
Iron	08/20/2013 12:53	0			36
Lead	08/20/2013 12:53	-1.02			5.0
Magnesium	08/20/2013 12:53	-24.7			16
Manganese	08/20/2013 12:53	0.413			3.0
Nickel	08/20/2013 12:53	0.239			2.4
Selenium	08/20/2013 12:53	3.85			8.0
Silver	08/20/2013 12:53	-0.137			2.0
Thallium	08/20/2013 12:53	5.13			9.6
Vanadium	08/20/2013 12:53	0.499			1.6
Zinc	08/20/2013 12:53	-0.246			6.0

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was
less.

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No

CCB

3-2

CONTINUING CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96873 Lab Sample ID: 342364

Analytical Prep Batch #: Preparation Date/Time:

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Potassium	08/20/2013 11:31	24.00			1320
Sodium	08/20/2013 11:31	20.00			480

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
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Sample No

CCB

3-2

CONTINUING CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96929 Lab Sample ID: 342192

Analytical Prep Batch # 0 Preparation Date/Time:

ICAL Calibration #: 08222013 Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Mercury	08/22/2013 09:14	0			0.10

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

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Sample No

CCB

3-2

CONTINUING CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96929 Lab Sample ID: 342196

Analytical Prep Batch # 0 Preparation Date/Time:

ICAL Calibration #: 08222013 Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Mercury	08/22/2013 09:36	0			0.10

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
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Sample No

MB

3-3

METHOD BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96872 Lab Sample ID: 339759

Analytical Prep Batch # 45510 Preparation Date/Time: 08/19/2013 11:30

ICAL Calibration #: Concentration Units: mg/kg

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit	
Aluminum	08/20/2013 10:37	0.18		0.04	0.12	FAIL
Antimony	08/20/2013 10:37	-0.040	U	0.13	0.40	
Arsenic	08/20/2013 10:37	-0.037	U	0.13	0.40	
Barium	08/20/2013 10:37	0.053		0.009	0.025	FAIL
Beryllium	08/20/2013 10:37	0.0031	U	0.004	0.020	
Cadmium	08/20/2013 10:37	-0.024	U	0.006	0.020	
Calcium	08/20/2013 10:37	3.0		0.24	0.70	FAIL
Chromium	08/20/2013 10:37	-0.0035	U	0.023	0.125	
Cobalt	08/20/2013 10:37	-0.0039	U	0.04	0.12	
Copper	08/20/2013 10:37	0.00068	U	0.07	0.20	
Iron	08/20/2013 10:37	0.094	U	0.3	0.9	
Lead	08/20/2013 10:37	-0.030	U	0.04	0.125	
Magnesium	08/20/2013 10:37	0.54		0.14	0.40	FAIL
Manganese	08/20/2013 10:37	0.18		0.025	0.075	FAIL
Nickel	08/20/2013 10:37	0.024		0.021	0.060	FAIL
Selenium	08/20/2013 10:37	0.0073	U	0.06	0.20	
Silver	08/20/2013 10:37	0.0080	U	0.017	0.050	
Thallium	08/20/2013 10:37	0.30		0.08	0.24	FAIL
Vanadium	08/20/2013 10:37	-0.0037	U	0.012	0.040	
Zinc	08/20/2013 10:37	0.045	U	0.05	0.15	

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
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Sample No

MB

3-3

METHOD BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96873 Lab Sample ID: 339759

Analytical Prep Batch # 45510 Preparation Date/Time: 08/19/2013 11:30

ICAL Calibration #: Concentration Units: mg/kg

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Potassium	08/20/2013 11:00	2.4	U	11	33
Sodium	08/20/2013 11:00	1.5	U	4	12

** Detection Limit only reported if value was less than the control limit.

***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No

MB

3-3

METHOD BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96873 Lab Sample ID: 339759

Analytical Prep Batch # 45510 Preparation Date/Time: 08/19/2013 11:30

ICAL Calibration #: Concentration Units: mg/kg

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Potassium	08/20/2013 11:00	2.4	U	11	33
Sodium	08/20/2013 11:00	1.5	U	4	12

** Detection Limit only reported if value was less than the control limit.

***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
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Sample No

MB

3-3

METHOD BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 96929 Lab Sample ID: 337842

Analytical Prep Batch # 45457 Preparation Date/Time: 08/20/2013 12:30

ICAL Calibration #: 08222013 Concentration Units: mg/kg

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Mercury	08/22/2013 08:55	0	U	0.0021	0.00415

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

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Sample No:

4-1

ICP INTERFERENCE CHECK SAMPLE (SOL. A)

ICSA

Lab Name: CT Laboratories
Contract: ECC-RVAAP
ICP ID Number: TJA 6000
SDG No.: 99211
ICS Source: SPEX

Analytical Run #: 96872
Lab Sample ID: 341256
Inorganics MRL Standard Source: SPEX, Ultra,Inorganic Ventures and Mallinkrodt
ICAL Calibration #:
Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Spiked Conc.	Measured Conc.	%R	Lower Limit (1)	Upper Limit (1)
Aluminum	08/20/2013 16:22	500000	485000	97	80	120
Antimony	08/20/2013 16:22	0	0		-16	16
Arsenic	08/20/2013 16:22	0	-0.00200		-16	16
Barium	08/20/2013 16:22	0	0.00400		-1.0	1.0
Beryllium	08/20/2013 16:22	0	0		-0.48	0.48
Cadmium	08/20/2013 16:22	0	-0.00100		-0.8	0.8
Calcium	08/20/2013 16:22	500000	482000	96	80	120
Chromium	08/20/2013 16:22	0	0		-2.8	2.8
Cobalt	08/20/2013 16:22	0	0.0220		-4.8	4.8
Copper	08/20/2013 16:22	0	0.0170		-8.0	8.0
Iron	08/20/2013 16:22	500000	460000	92	80	120
Lead	08/20/2013 16:22	0	-0.00100		-5.0	5.0
Magnesium	08/20/2013 16:22	500000	491000	98	80	120
Manganese	08/20/2013 16:22	0	-0.0350		-3.0	3.0
Nickel	08/20/2013 16:22	0	0		-2.4	2.4
Selenium	08/20/2013 16:22	0	0.0140		-8.0	8.0
Silver	08/20/2013 16:22	0	0		-2.0	2.0
Thallium	08/20/2013 16:22	0	0		-9.6	9.6
Vanadium	08/20/2013 16:22	0	0		-1.6	1.6
Zinc	08/20/2013 16:22	0	-0.00100		-6.0	6.0

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No:

4-1

ICP INTERFERENCE CHECK SAMPLE (SOL. A)

ICSA

Lab Name: CT Laboratories
Contract: ECC-RVAAP
ICP ID Number: TJA 6000
SDG No.: 99211
ICS Source: SPEX

Analytical Run #: 96873
Lab Sample ID: 341388
Inorganics MRL Standard Source: SPEX, Ultra,Inorganic Ventures and Mallinkrodt
ICAL Calibration #:
Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Spiked Conc.	Measured Conc.	%R	Lower Limit (1)	Upper Limit (1)
Aluminum	08/20/2013 09:52	500000	490000	98	80	120
Calcium	08/20/2013 09:52	500000	577000	115	80	120
Iron	08/20/2013 09:52	500000	496000	99	80	120
Magnesium	08/20/2013 09:52	500000	498000	100	80	120
Potassium	08/20/2013 09:52	0	0		-1320	1320
Sodium	08/20/2013 09:52	0	0		-480	480

CT LABORATORIES
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Sample No:

4-1

ICP INTERFERENCE CHECK SAMPLE (SOL. A)

ICSA

Lab Name: CT Laboratories
Contract: ECC-RVAAP
ICP ID Number: TJA 6000
SDG No.: 99211
ICS Source: SPEX

Analytical Run #: 96872
Lab Sample ID: 341849
Inorganics MRL Standard Source: SPEX, Ultra,Inorganic Ventures and Mallinkrodt
ICAL Calibration #:
Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Spiked Conc.	Measured Conc.	%R	Lower Limit (1)	Upper Limit (1)
Aluminum	08/20/2013 10:17	500000	481000	96	80	120
Antimony	08/20/2013 10:17	0	0		-16	16
Arsenic	08/20/2013 10:17	0	-0.00100		-16	16
Barium	08/20/2013 10:17	0	0		-1.0	1.0
Beryllium	08/20/2013 10:17	0	0		-0.48	0.48
Cadmium	08/20/2013 10:17	0	-0.00100		-0.8	0.8
Calcium	08/20/2013 10:17	500000	480000	96	80	120
Chromium	08/20/2013 10:17	0	0		-2.8	2.8
Cobalt	08/20/2013 10:17	0	-0.274		-4.8	4.8
Copper	08/20/2013 10:17	0	0.0260		-8.0	8.0
Iron	08/20/2013 10:17	500000	443000	89	80	120
Lead	08/20/2013 10:17	0	0.00100		-5.0	5.0
Magnesium	08/20/2013 10:17	500000	488000	98	80	120
Manganese	08/20/2013 10:17	0	0.185		-3.0	3.0
Nickel	08/20/2013 10:17	0	0		-2.4	2.4
Selenium	08/20/2013 10:17	0	0.0150		-8.0	8.0
Silver	08/20/2013 10:17	0	0		-2.0	2.0
Thallium	08/20/2013 10:17	0	0		-9.6	9.6
Vanadium	08/20/2013 10:17	0	0		-1.6	1.6
Zinc	08/20/2013 10:17	0	0.00300		-6.0	6.0

CT LABORATORIES
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Sample No:

4-2

ICP INTERFERENCE CHECK SAMPLE (SOL. AB)

ICSAB

Lab Name: CT Laboratories
Contract: ECC-RVAAP
ICP ID Number: TJA 6000
SDG No.: 99211
ICS Source: SPEX, Ultra

Analytical Run #: 96872
Lab Sample ID: 341257
Inorganics MRL Standard Source: SPEX, Ultra,Inorganic Ventures and Mallinkrodt
ICAL Calibration #:
Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Spiked Conc.	Measured Conc.	%R	Lower Limit (1)	Upper Limit (1)
Aluminum	08/20/2013 16:26	500000	479000	96	80	120
Antimony	08/20/2013 16:26	500.0	480.0	96	80	120
Arsenic	08/20/2013 16:26	500.0	508.0	102	80	120
Barium	08/20/2013 16:26	500.0	547.0	109	80	120
Beryllium	08/20/2013 16:26	500.0	479.0	96	80	120
Cadmium	08/20/2013 16:26	500.0	479.0	96	80	120
Calcium	08/20/2013 16:26	500000	475000	95	80	120
Chromium	08/20/2013 16:26	500.0	488.0	98	80	120
Cobalt	08/20/2013 16:26	500.0	500.0	100	80	120
Copper	08/20/2013 16:26	500.0	528.0	106	80	120
Iron	08/20/2013 16:26	500000	452000	90	80	120
Lead	08/20/2013 16:26	500.0	398.0	80	80	120
Magnesium	08/20/2013 16:26	500000	482000	96	80	120
Manganese	08/20/2013 16:26	500.0	406.0	81	80	120
Nickel	08/20/2013 16:26	500.0	424.0	85	80	120
Selenium	08/20/2013 16:26	500.0	493.0	99	80	120
Silver	08/20/2013 16:26	500.0	470.0	94	80	120
Thallium	08/20/2013 16:26	500.0	434.0	87	80	120
Vanadium	08/20/2013 16:26	500.0	496.0	99	80	120
Zinc	08/20/2013 16:26	500.0	489.0	98	80	120

CT LABORATORIES
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Sample No:

4-2

ICP INTERFERENCE CHECK SAMPLE (SOL. AB)

ICSAB

Lab Name: CT Laboratories
Contract: ECC-RVAAP
ICP ID Number: TJA 6000
SDG No.: 99211
ICS Source: SPEX, Ultra

Analytical Run #: 96873
Lab Sample ID: 341389
Inorganics MRL Standard Source: SPEX, Ultra,Inorganic Ventures and Mallinkrodt
ICAL Calibration #:
Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Spiked Conc.	Measured Conc.	%R	Lower Limit (1)	Upper Limit (1)
Aluminum	08/20/2013 09:53	500000	490000	98	80	120
Calcium	08/20/2013 09:53	500000	577000	115	80	120
Iron	08/20/2013 09:53	500000	575000	115	80	120
Magnesium	08/20/2013 09:53	500000	487000	97	80	120
Potassium	08/20/2013 09:53	100000	98700	99	80	120
Sodium	08/20/2013 09:53	100000	91900	92	80	120

CT LABORATORIES
delivering more than data from your environmental analyses

Sample No:

4-2

ICP INTERFERENCE CHECK SAMPLE (SOL. AB)

ICSAB

Lab Name: CT Laboratories
Contract: ECC-RVAAP
ICP ID Number: TJA 6000
SDG No.: 99211
ICS Source: SPEX, Ultra

Analytical Run #: 96872
Lab Sample ID: 341850
Inorganics MRL Standard Source: SPEX, Ultra,Inorganic Ventures and Mallinkrodt
ICAL Calibration #:
Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Spiked Conc.	Measured Conc.	%R	Lower Limit (1)	Upper Limit (1)
Aluminum	08/20/2013 10:21	500000	480000	96	80	120
Antimony	08/20/2013 10:21	500.0	491.0	98	80	120
Arsenic	08/20/2013 10:21	500.0	506.0	101	80	120
Barium	08/20/2013 10:21	500.0	574.0	115	80	120
Beryllium	08/20/2013 10:21	500.0	466.0	93	80	120
Cadmium	08/20/2013 10:21	500.0	478.0	96	80	120
Calcium	08/20/2013 10:21	500000	482000	96	80	120
Chromium	08/20/2013 10:21	500.0	519.0	104	80	120
Cobalt	08/20/2013 10:21	500.0	537.0	107	80	120
Copper	08/20/2013 10:21	500.0	562.0	112	80	120
Iron	08/20/2013 10:21	500000	442000	88	80	120
Lead	08/20/2013 10:21	500.0	480.0	96	80	120
Magnesium	08/20/2013 10:21	500000	483000	97	80	120
Manganese	08/20/2013 10:21	500.0	483.0	97	80	120
Nickel	08/20/2013 10:21	500.0	512.0	102	80	120
Selenium	08/20/2013 10:21	500.0	497.0	99	80	120
Silver	08/20/2013 10:21	500.0	493.0	99	80	120
Thallium	08/20/2013 10:21	500.0	532.0	106	80	120
Vanadium	08/20/2013 10:21	500.0	563.0	113	80	120
Zinc	08/20/2013 10:21	500.0	448.0	90	80	120

CT LABORATORIES
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5A

SPIKE SAMPLE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOLID	SDG No.:	99211
% Solids for Sample:	95.6	Concentration Units:	mg/kg
Sample No	339762	Parent Sample No.:	337815
Analytical Prep Batch #	45510	Analytical Preparation Date/Time:	08/19/2013 11:30
Analytical Run #:	96872	ICAL Calibration #:	

Analysis Type	*Initial Analysis*	Analysis Date: -----	08/20/2013	Analysis Time: --------	19:08

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M	
Aluminum	80-120	10000		10900		102	0		P	*FAIL*
Arsenic	80-120	87.0		13.3		102	72		P	*FAIL*
Barium	80-120	152		76.5		102	74		P	*FAIL*
Beryllium	80-120	2.5		0.56		2.6	75		P	*FAIL*
Calcium	80-120	33000		31600		5100	27		P	*FAIL*
Chromium	80-120	21.9		15.4		10.2	64		P	*FAIL*
Cobalt	80-120	28.4		11.1		25.5	68		P	*FAIL*
Copper	80-120	24.0		14.2		12.8	77		P	*FAIL*
Iron	80-120	22200		25100		51.0	0		P	*FAIL*
Lead	80-120	24.1		8.5		25.5	61		P	*FAIL*
Magnesium	80-120	8710		6720		2550	78		P	*FAIL*
Manganese	80-120	491		481		25.5	39		P	*FAIL*
Nickel	80-120	42.6		24.5		25.5	71		P	*FAIL*
Vanadium	80-120	32.4		15.5		25.5	66		P	*FAIL*
Zinc	80-120	64.8		46.1		25.5	73		P	*FAIL*

BDL = analyte concentration was below detection limit

CT LABORATORIES
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5A

SPIKE SAMPLE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Matrix: SOLID | SDG No.: 99211

% Solids for Sample: 95.6 | Concentration Units: mg/kg

Sample No 339762 | Parent Sample No.: 337815

Analytical Prep Batch # 45510 | Analytical Preparation Date/Time: 08/19/2013 11:30

Analytical Run #: 96872 | ICAL Calibration #:

ReRun *Re-Analysis #1* Analysis Date: ----- 08/20/2013 Analysis Time: -------- 11:04

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M	
Antimony	80-120	2.4		1.0		5.1	27		P	*FAIL*
Selenium	80-120	81.6		BDL	U	20.4	400		P	*FAIL*
Silver	75-125	2.2		BDL	U	0.51	431		P	*FAIL*

BDL = analyte concentration was below detection limit

Sample No 339762 | Parent Sample No.: 337815

Analytical Prep Batch # 45510 | Analytical Preparation Date/Time: 08/19/2013 11:30

Analytical Run #: 96872 | ICAL Calibration #:

ReRun *Re-Analysis #2* Analysis Date: ----- 08/20/2013 Analysis Time: -------- 19:08

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M	
Cadmium	80-120	1.6		BDL	U	2.6	62		P	*FAIL*
Thallium	80-120	69.8		0.64	J	102	68		P	*FAIL*

BDL = analyte concentration was below detection limit

CT LABORATORIES
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5A

SPIKE SAMPLE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOLID	SDG No.:	99211
% Solids for Sample:	95.6	Concentration Units:	mg/kg
Sample No	339762	Parent Sample No.:	337815
Analytical Prep Batch #	45510	Analytical Preparation Date/Time:	08/19/2013 11:30
Analytical Run #:	96873	ICAL Calibration #:	

Analysis Type *Initial Analysis* Analysis Date: ----- 08/20/2013 Analysis Time: -------- 11:09

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M
Potassium	80-120	3950		1660		2550	90		P
Sodium	80-120	2240		67.0		2550	85		P

BDL = analyte concentration was below detection limit

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5A

SPIKE SAMPLE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOLID	SDG No.:	99211
% Solids for Sample:	95.6	Concentration Units:	mg/kg
Sample No	337853	Parent Sample No.:	337815
Analytical Prep Batch #	45457	Analytical Preparation Date/Time:	08/20/2013 12:30
Analytical Run #:	96929	ICAL Calibration #:	08222013

Analysis Type *Initial Analysis* Analysis Date: ----- 08/22/2013 Analysis Time: -------- 09:08

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M	
Mercury	80-120	0.12		0.0072	J	0.092	123		CV	*FAIL*

BDL = analyte concentration was below detection limit

CT LABORATORIES
delivering more than data from your environmental analyses

5B

POST DIGESTION SPIKE SAMPLE RECOVERY

Sample Description: **083SB-0004M-0001-SO**

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOLID	SDG No.:	99211
% Solids for Sample:	95.6	Concentration Units:	ug/L
Sample No	341268	Parent Sample No.:	337815
Analytical Prep Batch #	0	Analytical Preparation Date/Time:	
Analytical Run #:	96872	ICAL Calibration #:	

Analysis Type: *Initial Analysis* Analysis Date: ----- 08/20/2013 Analysis Time: -------- 19:15

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M	
Aluminum	75-125	69800.		86000.		800	0		P	*FAIL*
Arsenic	75-125	702.		105.		800	75		P	
Barium	75-125	1130.		603.		800	66		P	*FAIL*
Beryllium	75-125	18.7		4.41		20	71		P	*FAIL*
Calcium	75-125	206000.		249000.		100000	0		P	*FAIL*
Chromium	75-125	165.		121.		80	55		P	*FAIL*
Cobalt	75-125	228.		87.1		200	70		P	*FAIL*
Copper	75-125	191.		112.		100	79		P	
Iron	75-125	160000.		198000.		400	0		P	*FAIL*
Lead	75-125	194.		66.9		200	64		P	*FAIL*
Magnesium	75-125	52400.		52900.		20000	0		P	*FAIL*
Manganese	75-125	3610.		3790.		200	0		P	*FAIL*
Nickel	75-125	337.		193.		200	72		P	*FAIL*
Vanadium	75-125	256.		122.		200	67		P	*FAIL*
Zinc	75-125	500.		363.		200	68		P	*FAIL*

BDL = analyte concentration was below detection limit

CT LABORATORIES
delivering more than data from your environmental analyses

5B

POST DIGESTION SPIKE SAMPLE RECOVERY

Sample Description: **083SB-0004M-0001-SO**

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Matrix: SOLID | SDG No.: 99211

% Solids for Sample: 95.6 | Concentration Units: ug/L

Sample No: 341268 | Parent Sample No.: 337815

Analytical Prep Batch #: 0 | Analytical Preparation Date/Time:

Analytical Run #: 96872 | ICAL Calibration #:

ReRun | *Re-Analysis #1* | Analysis Date: ----- 08/20/2013 | Analysis Time: -------- 11:23

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M	
Antimony	75-125	925		40.5		1000	88		P	
Selenium	75-125	3430		BDL	U	4000	86		P	
Silver	75-125	90.6		BDL	U	100	91		P	

BDL = analyte concentration was below detection limit

Sample No: 341268 | Parent Sample No.: 337815

Analytical Prep Batch #: 0 | Analytical Preparation Date/Time:

Analytical Run #: 96872 | ICAL Calibration #:

ReRun | *Re-Analysis #2* | Analysis Date: ----- 08/20/2013 | Analysis Time: -------- 19:15

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M	
Cadmium	75-125	13.5		BDL	U	20	68		P	*FAIL*
Thallium	75-125	496.0		5.01		800	61		P	*FAIL*

BDL = analyte concentration was below detection limit

CT LABORATORIES
delivering more than data from your environmental analyses

5B

POST DIGESTION SPIKE SAMPLE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOLID	SDG No.:	99211
% Solids for Sample:	95.6	Concentration Units:	ug/L
Sample No	341393	Parent Sample No.:	337815
Analytical Prep Batch #	0	Analytical Preparation Date/Time:	
Analytical Run #:	96873	ICAL Calibration #:	

Analysis Type *Initial Analysis* Analysis Date: ----- 08/20/2013 Analysis Time: -------- 11:11

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M
Potassium	75-125	170.		65.5	J	100	104		P
Sodium	75-125	94.4		2.64	U	100	92		P

BDL = analyte concentration was below detection limit

CT LABORATORIES
delivering more than data from your environmental analyses

5B

POST DIGESTION SPIKE SAMPLE RECOVERY

Sample Description: **083SB-0004M-0001-SO**

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Matrix: SOLID | SDG No.: 99211

% Solids for Sample: 95.6 | Concentration Units: mg/kg

Sample No: 342193 | Parent Sample No.: 337815

Analytical Prep Batch #: 0 | Analytical Preparation Date/Time:

Analytical Run #: 96929 | ICAL Calibration #: 08222013

Analysis Type: *Initial Analysis* | Analysis Date: ----- 08/22/2013 | Analysis Time: -------- 09:16

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M
Mercury	80-120	2.53		0.16		2	118		CV

BDL = analyte concentration was below detection limit

CT LABORATORIES
delivering more than data from your environmental analyses

5C

SPIKE DUPLICATE SAMPLE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOLID	SDG No.:	99211
% Solids for Sample:	95.6	Concentration Units:	mg/kg
Sample No	339763	Parent Sample No.:	339762
Analytical Prep Batch #	45510	Analytical Preparation Date/Time:	08/19/2013 11:30
Analytical Run #:	96873	ICAL Calibration #:	

Analysis Type *Initial Analysis* Analysis Date: ----- 08/20/2013 Analysis Time: -------- 11:10

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M
Potassium	80-120	4160		1660		2670	94		P
Sodium	80-120	2420		67.0		2670	88		P

BDL = analyte concentration was below detection limit

CT LABORATORIES
delivering more than data from your environmental analyses

5C

SPIKE DUPLICATE SAMPLE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOLID	SDG No.:	99211
% Solids for Sample:	95.6	Concentration Units:	mg/kg
Sample No	342228	Parent Sample No.:	339762
Analytical Prep Batch #	45510	Analytical Preparation Date/Time:	08/19/2013 11:30
Analytical Run #:	96872	ICAL Calibration #:	

Analysis Type	*Initial Analysis*	Analysis Date: -----	08/20/2013	Analysis Time: --------	19:11

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M	
Aluminum	80-120	8850		10900		107	0		P	*FAIL*
Arsenic	80-120	83.3		13.3		107	65		P	*FAIL*
Barium	80-120	136		76.5		107	56		P	*FAIL*
Beryllium	80-120	2.3		0.56		2.7	64		P	*FAIL*
Cadmium	80-120	1.6		BDL	U	2.7	59		P	*FAIL*
Calcium	80-120	29100		31600		5340	0		P	*FAIL*
Chromium	80-120	20.4		15.4		10.7	47		P	*FAIL*
Cobalt	80-120	26.8		11.1		26.7	59		P	*FAIL*
Copper	80-120	22.8		14.2		13.3	65		P	*FAIL*
Iron	80-120	19700		25100		53.4	0		P	*FAIL*
Lead	80-120	23.2		8.5		26.7	55		P	*FAIL*
Magnesium	80-120	8170		6720		2670	54		P	*FAIL*
Manganese	80-120	423		481		26.7	0		P	*FAIL*
Nickel	80-120	39.8		24.5		26.7	57		P	*FAIL*
Thallium	80-120	57.6		0.64	J	107	53		P	*FAIL*
Vanadium	80-120	30.7		15.5		26.7	57		P	*FAIL*
Zinc	80-120	61.1		46.1		26.7	56		P	*FAIL*

BDL = analyte concentration was below detection limit

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5C

SPIKE DUPLICATE SAMPLE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOLID	SDG No.:	99211
% Solids for Sample:	95.6	Concentration Units:	mg/kg
Sample No	342228	Parent Sample No.:	339762
Analytical Prep Batch #	45510	Analytical Preparation Date/Time:	08/19/2013 11:30
Analytical Run #:	96872	ICAL Calibration #:	

ReRun *Re-Analysis #1* Analysis Date: ----- 08/20/2013 Analysis Time: -------- 11:19

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M	
Antimony	80-120	2.4		1.0		26.7	5		P	*FAIL*
Selenium	80-120	84.3		BDL	U	107	79		P	*FAIL*
Silver	75-125	2.3		BDL	U	2.7	85		P	

BDL = analyte concentration was below detection limit

CT LABORATORIES
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5C

SPIKE DUPLICATE SAMPLE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOLID	SDG No.:	99211
% Solids for Sample:	95.6	Concentration Units:	mg/kg
Sample No	337854	Parent Sample No.:	337853
Analytical Prep Batch #	45457	Analytical Preparation Date/Time:	08/20/2013 12:30
Analytical Run #:	96929	ICAL Calibration #:	08222013

Analysis Type *Initial Analysis* Analysis Date: ----- 08/22/2013 Analysis Time: -------- 09:10

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M
Mercury	80-120	0.11		0.0072	J	0.090	114		CV

BDL = analyte concentration was below detection limit

CT LABORATORIES
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6

DUPLICATES

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Matrix: SOLID | SDG No.: 99211

% Solid for Sample: 95.6 | Concentration Units: mg/kg

Analytical Prep Batch #: 1 | Analytical Preparation Date/Time: 45510

Analytical Run #: 96872 | ICAL Calibration #:

Sample #: 339761 | Parent Sample #: 337815

Analysis Type *Initial Analysis*

Analyte	Analysis Date/Tim		RPD Limit	Original Parent Conc. (S)	C	Duplicate Conc. (D)	C	RPD	Q	M
Aluminum	08/20/2013	19:04	20	10900		9710		12		P
Arsenic	08/20/2013	19:04	20	13.3		13.1		2		P
Barium	08/20/2013	19:04	20	76.5		70.8		8		P
Beryllium	08/20/2013	19:04	20	0.56		0.51		9		P
Cadmium	08/20/2013	19:04	20	0.030	U	0.030	U	0		P
Calcium	08/20/2013	19:04	20	31600		29100		8		P
Chromium	08/20/2013	19:04	20	15.4		15.1		2		P
Cobalt	08/20/2013	19:04	20	11.1		12.3		10		P
Copper	08/20/2013	19:04	20	14.2		16.6		16		P
Iron	08/20/2013	19:04	20	25100		22300		12		P
Lead	08/20/2013	19:04	20	8.5		9.0		6		P
Magnesium	08/20/2013	19:04	20	6720		7270		8		P
Manganese	08/20/2013	19:04	20	481		487		1		P
Nickel	08/20/2013	19:04	20	24.5		27.7		12		P
Vanadium	08/20/2013	19:04	20	15.5		15.1		3		P
Zinc	08/20/2013	19:04	20	46.1		49.9		8		P

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6

DUPLICATES

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories
Contract: ECC-RVAAP
Matrix: SOLID
SDG No.: 99211
% Solid for Sample: 95.6
Concentration Units: mg/kg

Analytical Prep Batch # 2
Analytical Preparation Date/Time 45510
Analytical Run #: 96872
ICAL Calibration #:
Sample #: 339761
Parent Sample #: 337815

ReRun *Re-Analysis #1*

Analyte	Analysis Date/Tim		RPD Limit	Original Parent Conc. (S)	C	Duplicate Conc. (D)	C	RPD	Q	M	
Antimony	08/20/2013	11:00	20	1.0		1.1		10		P	
Selenium	08/20/2013	11:00	20	0.061	U	0.061	U	0		P	
Silver	08/20/2013	11:00	20	0.017	U	0.017	U	0		P	

Analytical Prep Batch # 3
Analytical Preparation Date/Time 45510
Analytical Run #: 96872
ICAL Calibration #:
Sample #: 339761
Parent Sample #: 337815

ReRun *Re-Analysis #2*

Analyte	Analysis Date/Tim		RPD Limit	Original Parent Conc. (S)	C	Duplicate Conc. (D)	C	RPD	Q	M	
Thallium	08/20/2013	19:04	20	0.64	J	0.57	J	200		P	*FAIL*

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6

DUPLICATES

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories
Contract: ECC-RVAAP
Matrix: SOLID
SDG No.: 99211
% Solid for Sample: 95.6
Concentration Units: mg/kg
Analytical Prep Batch # 1
Analytical Preparation Date/Time 45510
Analytical Run #: 96873
ICAL Calibration #:
Sample #: 339761
Parent Sample #: 337815

Analysis Type *Initial Analysis*

Analyte	Analysis Date/Tim		RPD Limit	Original Parent Conc. (S)	C	Duplicate Conc. (D)	C	RPD	Q	M
Potassium	08/20/2013	11:08	20	1660		1650		1		P
Sodium	08/20/2013	11:08	20	67.0		67.4		1		P

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6

DUPLICATES

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Matrix: SOLID | SDG No.: 99211

% Solid for Sample: 95.6 | Concentration Units: mg/kg

Analytical Prep Batch #: 1 | Analytical Preparation Date/Time: 45457

Analytical Run #: 96929 | ICAL Calibration #: 08222013

Sample #: 337852 | Parent Sample #: 337815

Analysis Type *Initial Analysis*

Analyte	Analysis Date/Tim		RPD Limit	Original Parent Conc. (S)	C	Duplicate Conc. (D)	C	RPD	Q	M
Mercury	08/22/2013	09:06	20	0.0072	J	0.0075	J	4		CV

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6A

MATRIX SPIKE DUPLICATES

Sample Description: **083SB-0004M-0001-SO**

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Matrix: SOLID | SDG No.: 99211

% Solid for Sample: 95.6 | Concentration Units: mg/kg

Analytical Prep Batch #: 45510 | Analytical Preparation Date/Time: 08/19/2013 11:30

Analytical Run #: 96873 | ICAL Calibration #:

Sample #: 339763 | Parent Sample #: 339762

Analysis Type: *Initial Analysis*

Analyte	Analysis Date/Tim		RPD Limit	Matrix Spik Parent Conc. (S)	C	Matrix Spike Duplicate Conc. (D)	C	RPD	Q	M
Potassium	08/20/2013	11:10	20	3950		4160		1		P
Sodium	08/20/2013	11:10	20	2240		2420		3		P

CT LABORATORIES
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6A

MATRIX SPIKE DUPLICATES

Sample Description: **083SB-0004M-0001-SO**

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Matrix: SOLID | SDG No.: 99211

% Solid for Sample: 95.6 | Concentration Units: mg/kg

Analytical Prep Batch #: 45510 | Analytical Preparation Date/Time: 08/19/2013 11:30

Analytical Run #: 96872 | ICAL Calibration #:

Sample #: 342228 | Parent Sample #: 339762

Analysis Type: *Initial Analysis*

Analyte	Analysis Date/Tim		RPD Limit	Matrix Spik Parent Conc. (S)	C	Matrix Spike Duplicate Conc. (D)	C	RPD	Q	M	
Aluminum	08/20/2013	19:11	20	10000		8850		17		P	
Arsenic	08/20/2013	19:11	20	87.0		83.3		9		P	
Barium	08/20/2013	19:11	20	152		136		15		P	
Beryllium	08/20/2013	19:11	20	2.5		2.3		14		P	
Cadmium	08/20/2013	19:11	20	1.6		1.6		2		P	
Calcium	08/20/2013	19:11	20	33000		29100		17		P	
Chromium	08/20/2013	19:11	20	21.9		20.4		12		P	
Cobalt	08/20/2013	19:11	20	28.4		26.8		10		P	
Copper	08/20/2013	19:11	20	24.0		22.8		9		P	
Iron	08/20/2013	19:11	20	22200		19700		16		P	
Lead	08/20/2013	19:11	20	24.1		23.2		8		P	
Magnesium	08/20/2013	19:11	20	8710		8170		11		P	
Manganese	08/20/2013	19:11	20	491		423		19		P	
Nickel	08/20/2013	19:11	20	42.6		39.8		11		P	
Thallium	08/20/2013	19:11	20	69.8		57.6		23		P	*FAIL*
Vanadium	08/20/2013	19:11	20	32.4		30.7		10		P	
Zinc	08/20/2013	19:11	20	64.8		61.1		10		P	

CT LABORATORIES
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6A

MATRIX SPIKE DUPLICATES

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Matrix: SOLID | SDG No.: 99211

% Solid for Sample: 95.6 | Concentration Units: mg/kg

Analytical Prep Batch #: 45510 | Analytical Preparation Date/Time: 08/19/2013 11:30

Analytical Run #: 96872 | ICAL Calibration #:

Sample #: 342228 | Parent Sample #: 339762

ReRun *Re-Analysis #1*

Analyte	Analysis Date/Tim		RPD Limit	Matrix Spik Parent Conc. (S)	C	Matrix Spike Duplicate Conc. (D)	C	RPD	Q	M
Antimony	08/20/2013	11:19	20	2.4		2.4		4		P
Selenium	08/20/2013	11:19	20	81.6		84.3		1		P
Silver	08/20/2013	11:19	20	2.2		2.3		2		P

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6A

MATRIX SPIKE DUPLICATES

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Matrix: SOLID | SDG No.: 99211

% Solid for Sample: 95.6 | Concentration Units: mg/kg

Analytical Prep Batch #: 45457 | Analytical Preparation Date/Time: 08/20/2013 12:30

Analytical Run #: 96929 | ICAL Calibration #: 08222013

Sample #: 337854 | Parent Sample #: 337853

Analysis Type *Initial Analysis*

Analyte	Analysis Date/Tim	RPD Limit	Matrix Spik Parent Conc. (S)	C	Matrix Spike Duplicate Conc. (D)	C	RPD	Q	M
Mercury	08/22/2013 09:10	20	0.12		0.11		3		CV

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7-1

Sample No:

LABORATORY CONTROL SAMPLE - AQUEOUS

LCS

Lab Name: CT Laboratories Contract

LCS Source: SPEX and Ultra SDG No.:

Concentration Units:

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7-2

Sample No:

LABORATORY CONTROL SAMPLE - SOLID

LCS

Lab Name: CT Laboratories Contract ECC-RVAAP

LCS Source: SPEX and Ultra SDG No.: 99211

Concentration Units: mg/kg

Analytical Run #: 96872 Sample No.:#: 339760

Analytical Prep Batch #: 45510 Preparation Date/Time: 08/19/2013 11:30

ICAL Calibration #:

Analysis Type ---------- Initial Analysis

Analyte	Analysis Date/Time	Control Limit (%R)	Spike Result	C	Spike Amount	%R	Q	M
Aluminum	08/20/2013 10:33	80-120	197		200	98		P
Antimony	08/20/2013 10:33	80-120	46.0		50.0	92		P
Arsenic	08/20/2013 10:33	80-120	187		200	94		P
Barium	08/20/2013 10:33	80-120	191		200	96		P
Beryllium	08/20/2013 10:33	80-120	4.8		5.0	96		P
Cadmium	08/20/2013 10:33	80-120	5.2		5.0	104		P
Calcium	08/20/2013 10:33	80-120	4830		5000	97		P
Chromium	08/20/2013 10:33	80-120	18.9		20.0	94		P
Cobalt	08/20/2013 10:33	80-120	46.5		50.0	93		P
Copper	08/20/2013 10:33	80-120	24.4		25.0	98		P
Iron	08/20/2013 10:33	80-120	101		100	101		P
Lead	08/20/2013 10:33	80-120	43.8		50.0	88		P
Magnesium	08/20/2013 10:33	80-120	2230		2500	89		P
Manganese	08/20/2013 10:33	80-120	46.5		50.0	93		P
Nickel	08/20/2013 10:33	80-120	45.5		50.0	91		P
Selenium	08/20/2013 10:33	80-120	182		200	91		P
Silver	08/20/2013 10:33	75-120	4.4		5.0	88		P
Thallium	08/20/2013 10:33	80-120	201		200	100		P
Vanadium	08/20/2013 10:33	80-120	47.8		50.0	96		P
Zinc	08/20/2013 10:33	80-120	45.0		50.0	90		P

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7-2

Sample No:

LCS

LABORATORY CONTROL SAMPLE - SOLID

Lab Name: CT Laboratories Contract ECC-RVAAP

LCS Source: SPEX and Ultra SDG No.: 99211

Concentration Units: mg/kg

Analytical Run #: 96873 Sample No.:#: 339760

Analytical Prep Batch #: 45510 Preparation Date/Time: 08/19/2013 11:30

ICAL Calibration #:

Analysis Type ---------- Initial Analysis

Analyte	Analysis Date/Time	Control Limit (%R)	Spike Result	C	Spike Amount	%R	Q	M
Potassium	08/20/2013 10:59	80-120	2630		2500	105		P
Sodium	08/20/2013 10:59	80-120	2280		2500	91		P

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7-2

Sample No:

LCS

LABORATORY CONTROL SAMPLE - SOLID

Lab Name: CT Laboratories Contract ECC-RVAAP

LCS Source: SPEX and Ultra SDG No.: 99211

Concentration Units: mg/kg

Analytical Run #: 96929 Sample No.:#: 337843

Analytical Prep Batch #: 45457 Preparation Date/Time: 08/20/2013 12:30

ICAL Calibration #: 08222013

Analysis Type ---------- Initial Analysis

Analyte	Analysis Date/Time	Control Limit (%R)	Spike Result	C	Spike Amount	%R	Q	M
Mercury	08/22/2013 08:53	80-120	0.10		0.083	120		CV

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9

ICP SERIAL DILUTION

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOLID SDG No.: 99211

Concentration Units: ug/L

Sample No.: 341264 Parent Sample No.: 337815

LIMS Run #: 96872 ICAL Calibration #:.:

Analysis Type ---------- Initial Analysis

Analyte	Analysis Date/Time	Initial Sample Result (I)	C (I)	Serial Dilution Result (S)	C (S)	% Diff.	Q	M	
Aluminum	08/20/2013 18:49	86000.		80000		7		P	
Arsenic	08/20/2013 18:49	105.		55.5		47		P	*INVALID*
Barium	08/20/2013 18:49	603.		680		13		P	*FAIL*
Beryllium	08/20/2013 18:49	4.41		4.705		7		P	*INVALID*
Calcium	08/20/2013 18:49	249000.		242000		3		P	
Chromium	08/20/2013 18:49	121.		128		6		P	*INVALID*
Cobalt	08/20/2013 18:49	87.1		61.5		29		P	*INVALID*
Copper	08/20/2013 18:49	112.		68.5		39		P	*INVALID*
Iron	08/20/2013 18:49	198000.		191500		3		P	
Lead	08/20/2013 18:49	66.9		52		22		P	*INVALID*
Magnesium	08/20/2013 18:49	52900.		32000		40		P	*FAIL*
Manganese	08/20/2013 18:49	3790.		3555		6		P	
Nickel	08/20/2013 18:49	193.		137		29		P	*INVALID*
Vanadium	08/20/2013 18:49	122.		135.5		11		P	*INVALID*
Zinc	08/20/2013 18:49	363.		239.5		34		P	*INVALID*

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ICP SERIAL DILUTION

Sample Description: **083SB-0004M-0001-SO**

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOLID SDG No.: 99211

Concentration Units: ug/L

Sample No.: 341264 Parent Sample No.: 337815

LIMS Run #: 96872 ICAL Calibration #:.:

ReRun Re-Analysis #1

Analyte	Analysis Date/Time	Initial Sample Result (I)	C (I)	Serial Dilution Result (S)	C (S)	% Diff.	Q	M	
Antimony	08/20/2013 10:57	40.5		43.25		7		P	*INVALID*
Selenium	08/20/2013 10:57	BDL	U	7.5		0		P	*INVALID*
Silver	08/20/2013 10:57	BDL	U	0.085	U	0		P	*INVALID*

Sample No.: 341264 Parent Sample No.: 337815

LIMS Run #: 96872 ICAL Calibration #:.:

ReRun Re-Analysis #2

Analyte	Analysis Date/Time	Initial Sample Result (I)	C (I)	Serial Dilution Result (S)	C (S)	% Diff.	Q	M	
Cadmium	08/20/2013 18:49	BDL	U	0.03	U	0		P	*INVALID*

Sample No.: 341264 Parent Sample No.: 337815

LIMS Run #: 96872 ICAL Calibration #:.:

ReRun Re-Analysis #3

Analyte	Analysis Date/Time	Initial Sample Result (I)	C (I)	Serial Dilution Result (S)	C (S)	% Diff.	Q	M	
Thallium	08/20/2013 18:49	5.01		0.4	U	100		P	*INVALID*

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ICP SERIAL DILUTION

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOLID SDG No.: 99211

Concentration Units: ug/L

Sample No.: 341392 Parent Sample No.: 337815

LIMS Run #: 96873 ICAL Calibration #:.:

Analysis Type ---------- Initial Analysis

Analyte	Analysis Date/Time		Initial Sample Result (I)	C (I)	Serial Dilution Result (S)	C (S)	% Diff.	Q	M	
Potassium	08/20/2013	11:07	65.5	J	69	J	5		P	*INVALID*
Sodium	08/20/2013	11:07	2.64	U	20	U	100		P	*INVALID*

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CVAA SERIAL DILUTION

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories Contract: ECC-RVAAP

Matrix: SOLID SDG No.: 99211

Concentration Units: ug/L

Sample No.: 342190 Parent Sample No.: 337815

LIMS Run #: 96929 ICAL Calibration #:.: 08222013

Analysis Type ---------- Initial Analysis

Analyte	Analysis Date/Time	Initial Sample Result (I)	C (I)	Serial Dilution Result (S)	C (S)	% Diff.	Q	M	
Mercury	08/22/2013 09:04	0.16		0.0105	U	100		CV	*INVALID*

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METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: CT Laboratories Contract: ECC-RVAAP

ICP ID Number: TJA SDG No.: 99211

Matrix: SOLID

Analyte	Wavelength (nm)	Background	CRDL (ug/L)	MDL (mg/k)	M
Aluminum	167.0			0.04	P
Antimony	217.5			0.13	P
Arsenic	193.7			0.13	P
Barium	455.4			0.009	P
Beryllium	313.041			0.004	P
Cadmium	226.502			0.006	P
Calcium	393.3			0.24	P
Chromium	267.716			0.023	P
Cobalt	228.616			0.04	P
Copper	324.753			0.07	P
Iron	259.9			0.3	P
Lead	220.35			0.04	P
Magnesium	279.5			0.14	P
Manganese	257.61			0.025	P
Nickel	231.604			0.021	P
Potassium	766.491			11	P
Selenium	196.02			0.06	P
Silver	328.068			0.017	P
Sodium	330.232			4	P
Thallium	190.864			0.08	P
Vanadium	292.402			0.012	P
Zinc	213.856			0.05	P

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METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Matrix: SOLID

Analyte	Wavelength (nm)	Background	CRDL (ug/L)	MDL (mg/k)	M
Mercury	253.7			0.0021	CV

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11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: CT Laboratories Contract: ECC-RVAAP

ICP ID Number: TA ICAP6000 / ICAP6500 SDG No.: 99211

Analyte	Wavelength (nm)	Interelement Correction Factors for:			
		Al	*Ca*	*Fe*	*Si (*Mg)*
Aluminum/1	167.079			0.000627 / 0.000627	
Aluminum/2	309.271				
Aluminum/3	396.152				
Antimony/1	206.833			0.000036 / 0.000021	0.069000* / 0.06900*
Antimony/2	217.581			-0.000166/-0.000166	0.050000* / 0.05000*
Arsenic/1	189.042			0.000240 / 0.000240	
Arsenic/2	193.759			0.001207 / 0.001692	
Barium/1	455.403			0.000002 / 0.000003	
Barium/2	493.409			0.000230 / 0.000130	
Beryllium/1	234.861			-0.000120 / 0.000080	
Beryllium/2	313.042			0.000000 / 0.000000	
Cadmium/1	226.502			0.000079 / 0.000130	
Cadmium/2	228.802			0.000000 / 0.000000	
Calcium/1	317.933				
Calcium/2	393.366				
Calcium/3	396.847				
Chromium/1	283.563			0.001012/ 0.000511	
Chromium/2	267.716			0.000005 / 0.000001	
Cobalt/1	228.616			0.000001 / 0.000002	-0.20 Cu / -0.20 Cu
Cobalt/2	238.892			-0.000680/-0.000087	
Copper/1	224.700			0.000028 / 0.000042	
Copper/2	324.754			-0.000025/-0.000025	
Copper/3	327.396			-0.000038/-0.00038	
Iron/1	234.349				
Iron/2	239.562				

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11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: CT Laboratories Contract: ECC-RVAAP

ICP ID Number: TA ICAP6000 / ICAP6500 SDG No.: 99211

Analyte	Wavelength (nm)	Interelement Correction Factors for:			
		Al	*Ca*	*Fe*	*Si (*Mg)*
Iron/3	259.940				
Lead/1	216.999	0.001232 / 0.000632		------- / 0.002113	
Lead/2	220.353	0.0090 Co / 0.010 Co	0.0080 V / 0.010 V	-0.000063/-0.000009	0.000000 / 0.000000
Magnesium/1	279.079				
Magnesium/2	279.553				
Magnesium/3	280.270				
Manganese/1	257.610	0.000003 /-0.00072			
Manganese/2	259.373				0.002328*/0.001928*
Molybdenum/1	202.030			-0.000014/-0.000010	
Molybdenum/2	204.598			0.000026 / 0.000026	
Molybdenum/3	203.844				
Nickel/1	221.647		0.000015 / 0.000015		
Nickel/2	231.604			-0.000005 / 0.000038	-0.20 Co / -0.20 Co
Selenium/1	196.090			-0.000386 /-0.000370	
Selenium/2	206.279			0.000638 / 0.000638	
Silver/1	328.068			-0.000227/-0.000281	
Silver/2	338.289		0.000514/ 0.000514		
Thallium/1	190.856			-0.000007 / 0.000001	0.0080 Ti /0.0080 Ti
Thallium/2	276.787			0.000000 / 0.00000	0.030232*/0.030232*
Tin (1 [ ] line)	189.989				
Tin (2 [ ] line)	189.989				
Tungsten/3	209.475				
Tungsten/4	257.144				
Vanadium/1	292.402			0.000005 /-0.000009	
Vanadium/2	292.882			0.000171 / 0.000171	

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ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: CT Laboratories Contract: ECC-RVAAP

ICP ID Number: TA ICAP6000 / ICAP6500 SDG No.: 99211

Analyte	Wavelength (nm)	Interelement Correction Factors for:			
		Al	*Ca*	*Fe*	*Si (*Mg)*
Zinc/1	206.200			0.000051 / 0.000051	
Zinc/2	213.856			0.000167 / 0.000151	

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11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: CT Laboratories Contract: ECC-RVAAP

ICP ID Number: TA ICAP6000 / ICAP6500 SDG No.: 99211

Analyte	Wavelength (nm)	Interelement Correction Factors for:			
		Al	*Ca*	*Fe*	*Si (*Mg)*
Aluminum/4	308.215				
Calcium/1	317.933				
Iron/1	234.349				
Magnesium/4	285.213				
Potassium	766.490			0.000009/-0.001691	
Sodium/1	330.237			-0.000390/ 0.000326	
Sodium/2	589.592			-0.000197/-0.000471	

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ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: CT Laboratories Contract: ECC-RVAAP

ICP ID Number: TA ICAP6000 / ICAP6500 SDG No.: 99211

Analyte	Wavelength (nm)	Interelement Correction Factors for:			
		Al	*Ca*	*Fe*	*Si (*Mg)*
Aluminum/2	309.271				
Calcium/1	317.933				
Iron/3	259.940				
Lithium	670.784	0.001600 / 0.000317			
Magnesium/1	279.079				
Strontium/1	407.771		0.000010 / 0.000062		
Strontium/2	421.552		0.000010 / 0.000013		
Tin	189.989	0.000007 / 0.000031	0.000000 / 0.000013		
Titanium/1	334.941		0.000204 / 0.000204		
Titanium/2	337.280		0.000016 / 0.000083		
Tungsten/1	224.875		-------- / 0.000030	0.000273 / 0.001309	
Tungsten/2	239.709		0.000099 / 0.000047		

ICP LINEAR RANGES (QUARTERLY)

Lab Name: CT Laboratories Contract: ECC-RVAAP

ICP ID Number: TJA SDG No.: 99211

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	15.00	1000000	P
Antimony	15.00	10000	P
Arsenic	15.00	10000	P
Barium	15.00	10000	P
Beryllium	15.00	1000	P
Boron	15.00	1000	P
Cadmium	15.00	1000	P
Calcium	15.00	1000000	P
Chromium	15.00	100000	P
Cobalt	15.00	10000	P
Copper	15.00	100000	P
Iron	15.00	1000000	P
Lead	15.00	100000	P
Lithium	15.00	10000	P
Magnesium	15.00	1000000	P
Manganese	15.00	100000	P
Molybdenum	15.00	10000	P
Nickel	15.00	10000	P
Potassium	15.00	200000	P
Selenium	15.00	10000	P
Silicon	15.00	1000	P
Silver	15.00	100	P
Sodium	15.00	200000	P
Strontium	15.00	10000	P
Thallium	15.00	10000	P
Tin	15.00	10000	P
Titanium	15.00	1000	P
Tungsten	15.00	10000	P
Vanadium	15.00	10000	P
Zinc	15.00	100000	P

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PREPARATION LOG

Lab Name: CT Laboratories Project: ECC-RVAAP

Method: EPA 7471A SDG No.: 99211

Preparation Batch #: 45457 Preparation Date/Time: 08/20/2013 / 12:30

Lab Sample #	QC Type	Sample Description	Matrix	**Weight (g for solid/soil) or Volume (mL for liquid/aqueous)**
337811	Normal Sample	083SB-0001M-0001-SO	SOIL	0.57
337812	Normal Sample	083SB-0002M-0001-SO	SOIL	0.56
337813	Normal Sample	083SB-0003M-0001-SO	SOIL	0.58
337815	Normal Sample	083SB-0004M-0001-SO	SOIL	0.58
337818	Normal Sample	083SB-0005M-0001-SO	SOIL	0.58
337820	Normal Sample	083SB-0006M-0001-SO	SOIL	0.59
337822	Normal Sample	083SB-0008M-0001-SO	SOIL	0.60
337824	Normal Sample	083SB-0009M-0001-SO	SOIL	0.59
337826	Normal Sample	083SB-0011M-0001-SO	SOIL	0.57
337828	Normal Sample	083SB-0012M-0001-SO	SOIL	0.56
337830	Normal Sample	083SB-0013M-0001-SO	SOIL	0.57
337832	Normal Sample	083SB-0014-0001-SO	SOIL	0.56
337834	Normal Sample	083SB-0015M-0001-SO	SOIL	0.58
337842	Method Blank		SOLID	0.60
337843	Lab Control Spike		SOLID	0.60
337852	Lab Duplicate	083SB-0004M-0001-SO	SOIL	0.56
337853	Matrix Spike	083SB-0004M-0001-SO	SOIL	0.57
337854	Matrix Spike Duplicate	083SB-0004M-0001-SO	SOIL	0.58

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PREPARATION LOG

Lab Name: CT Laboratories Project: ECC-RVAAP

Method: EPA 3050B SDG No.: 99211

Preparation Batch #: 45510 Preparation Date/Time: 08/19/2013 / 11:30

Lab Sample #	QC Type	Sample Description	Matrix	**Weight (g for solid/soil) or Volume (mL for liquid/aqueous)**
337811	Normal Sample	083SB-0001M-0001-SO	SOIL	1.93
337812	Normal Sample	083SB-0002M-0001-SO	SOIL	2.06
337813	Normal Sample	083SB-0003M-0001-SO	SOIL	1.98
337815	Normal Sample	083SB-0004M-0001-SO	SOIL	2.06
337818	Normal Sample	083SB-0005M-0001-SO	SOIL	2.05
337820	Normal Sample	083SB-0006M-0001-SO	SOIL	2.08
337822	Normal Sample	083SB-0008M-0001-SO	SOIL	2.06
337824	Normal Sample	083SB-0009M-0001-SO	SOIL	1.97
337826	Normal Sample	083SB-0011M-0001-SO	SOIL	2.07
337828	Normal Sample	083SB-0012M-0001-SO	SOIL	2.04
337830	Normal Sample	083SB-0013M-0001-SO	SOIL	2.05
337832	Normal Sample	083SB-0014-0001-SO	SOIL	2.00
337834	Normal Sample	083SB-0015M-0001-SO	SOIL	2.01
339759	Method Blank		SOLID	2.00
339760	Lab Control Spike		SOLID	2.00
339761	Lab Duplicate	083SB-0004M-0001-SO	SOIL	2.05
339762	Matrix Spike	083SB-0004M-0001-SO	SOIL	2.05
339763	Matrix Spike Duplicate	083SB-0004M-0001-SO	SOIL	1.96
342228	Matrix Spike Duplicate	083SB-0004M-0001-SO	SOIL	1.96

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ANALYSIS RUN LOG

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Lab Code: CTL | SDG No.: 99211

Instrument ID Number: TJA | Method Number: P

Start & End Date: 08/20/2013 to 08/20/2013 | Analytical Run #: 96872

Sample Number	Analysis or QC Type	DF	Analysis Date/ Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Mo	Li	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	W	V	Zn
341845	ICV	1.00	8/20 09:58	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341846	ICV	1.00	8/20 10:02	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X					X			X	X
341847	ICB	1.00	8/20 10:10	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341848	MRL	1.00	8/20 10:13	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341849	ICSA	1.00	8/20 10:17	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341850	ICSAB	1.00	8/20 10:21	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
339760	LCSS	1.00	8/20 10:33	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
339759	MBS	1.00	8/20 10:37	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
337811	Re-Analysis	1.00	8/20 10:41		X																			X		X							
337812	Re-Analysis	1.00	8/20 10:45		X																			X		X							
337813	Re-Analysis	1.00	8/20 10:49		X																			X		X							
337815	Re-Analysis	1.00	8/20 10:53		X																			X		X							
341264	L	5	8/20 10:57		X																			X		X							
339761	DUP	1.00	8/20 11:00		X																			X		X							
339762	MSS	1.00	8/20 11:04		X																			X		X							
341852	CCV1	1.00	8/20 11:08	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341853	CCV2	1.00	8/20 11:11	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341854	CCB	1.00	8/20 11:15	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
342228	MSDS	1.00	8/20 11:19		X																			X		X							
341268	PDSS	1.00	8/20 11:23		X																			X		X							
337818	Re-Analysis	1.00	8/20 11:27																					X		X							
337820	Re-Analysis	1.00	8/20 11:30																					X		X			X				
337822	Re-Analysis	1.00	8/20 11:34																					X		X			X				
337824	Re-Analysis	1.00	8/20 11:38																					X		X			X				
337826	Re-Analysis	1.00	8/20 11:42																					X		X			X				
337828	Re-Analysis	1.00	8/20 11:46																					X		X			X				
337830	Re-Analysis	1.00	8/20 11:50																					X		X			X				
337832	Re-Analysis	1.00	8/20 11:54																					X		X			X				
341856	CCV1	1.00	8/20 11:58	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X

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ANALYSIS RUN LOG

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Lab Code: CTL | SDG No.: 99211

Instrument ID Number: TJA | Method Number: P

Start & End Date: 08/20/2013 to 08/20/2013 | Analytical Run #: 96872

Sample Number	Analysis or QC Type	DF	Analysis Date/ Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Mo	Li	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	W	V	Zn
341857	CCV2	1.00	8/20 12:01	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341858	CCB	1.00	8/20 12:05	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
337834	Re-Analysis	1.00	8/20 12:08																					X		X			X				
341859	CCV1	1.00	8/20 12:46	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341860	CCV2	1.00	8/20 12:50	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341861	CCB	1.00	8/20 12:53	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341945	MRL	1.00	8/20 14:46	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341252	ICV	1.00	8/20 16:03	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341253	ICV	1.00	8/20 16:07	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X					X			X	X
341254	ICB	1.00	8/20 16:15	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341255	MRL	1.00	8/20 16:19	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341256	ICSA	1.00	8/20 16:22	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341257	ICSAB	1.00	8/20 16:26	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341261	CCV1	1.00	8/20 18:02	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X					X			X	X
341262	CCV2	1.00	8/20 18:06	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341263	CCB	1.00	8/20 18:09	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
337811	Initial	5.00	8/20 18:34	X		X	X	X			X	X	X	X	X	X	X	X				X										X	X
337811	Re-Analysis	5.00	8/20 18:34							X																			X				
337812	Initial	5.00	8/20 18:38	X		X	X	X		X	X	X	X	X	X	X	X	X				X										X	X
337812	Re-Analysis	5.00	8/20 18:38																										X				
337813	Initial	5.00	8/20 18:42	X		X	X	X			X	X	X	X	X	X	X	X				X										X	X
337813	Re-Analysis	5.00	8/20 18:42							X																			X				
337815	Initial	5.00	8/20 18:45	X		X	X	X			X	X	X	X	X	X	X	X				X										X	X
337815	Re-Analysis	5.00	8/20 18:45							X																			X				
341264	L	5	8/20 18:49	X		X	X	X			X	X	X	X	X	X	X	X				X										X	X
341264	L	5	8/20 18:49							X																			X				
341265	CCV1	1.00	8/20 18:53	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X					X			X	X
341266	CCV2	1.00	8/20 18:56	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341267	CCB	1.00	8/20 19:00	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X

CT LABORATORIES
delivering more than data from your environmental analyses

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ANALYSIS RUN LOG

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Lab Code: CTL | SDG No.: 99211

Instrument ID Number: TJA | Method Number: P

Start & End Date: 08/20/2013 to 08/20/2013 | Analytical Run #: 96872

Sample Number	Analysis or QC Type	DF	Analysis Date/ Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Mo	Li	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	W	V	Zn
339761	DUP	5.00	8/20 19:04	X		X	X	X		X	X	X	X	X	X	X	X	X				X										X	X
339761	DUP	5.00	8/20 19:04																										X				
339762	MSS	5.00	8/20 19:08	X		X	X	X			X	X	X	X	X	X	X	X				X										X	X
339762	MSS	5.00	8/20 19:08							X																			X				
342228	MSDS	5.00	8/20 19:11	X		X	X	X		X	X	X	X	X	X	X	X	X				X							X			X	X
341268	PDSS	5.00	8/20 19:15	X		X	X	X			X	X	X	X	X	X	X	X				X										X	X
341268	PDSS	5.00	8/20 19:15							X																			X				
337818	Initial	5.00	8/20 19:19	X		X	X	X			X	X	X	X	X	X	X	X				X										X	X
337818	Re-Analysis	5.00	8/20 19:19		X					X																			X				
337820	Initial	5.00	8/20 19:23	X		X	X	X			X	X	X	X	X	X	X	X				X										X	X
337820	Re-Analysis	5.00	8/20 19:23		X					X																							
337822	Initial	5.00	8/20 19:26	X		X	X	X			X	X	X	X	X	X	X	X				X										X	X
337822	Re-Analysis	5.00	8/20 19:26		X					X																							
337824	Initial	5.00	8/20 19:30	X		X	X	X			X	X	X	X	X	X	X	X				X										X	X
337824	Re-Analysis	5.00	8/20 19:30		X					X																							
337826	Initial	5.00	8/20 19:34	X		X	X	X			X	X	X	X	X	X	X	X				X										X	X
337826	Re-Analysis	5.00	8/20 19:34		X					X																							
337828	Initial	5.00	8/20 19:38	X		X	X	X			X	X	X	X	X	X	X	X				X										X	X
337828	Re-Analysis	5.00	8/20 19:38		X					X																							
341269	CCV1	1.00	8/20 19:41	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X					X			X	X
341270	CCV2	1.00	8/20 19:45	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341271	CCB	1.00	8/20 19:48	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
337830	Initial	5.00	8/20 19:52	X		X	X	X			X	X	X	X	X	X	X	X				X										X	X
337830	Re-Analysis	5.00	8/20 19:52		X					X																							
337832	Initial	5.00	8/20 19:56	X		X	X	X			X	X	X	X	X	X	X	X				X										X	X
337832	Re-Analysis	5.00	8/20 19:56		X					X																							
337834	Initial	1.00	8/20 20:00	X		X	X	X			X	X	X	X	X	X	X	X				X										X	X
337834	Re-Analysis	5.00	8/20 20:00		X					X																							
341272	CCV1	1.00	8/20 20:30	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X					X			X	X

CT LABORATORIES
delivering more than data from your environmental analyses

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ANALYSIS RUN LOG

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Lab Code: CTL | SDG No.: 99211

Instrument ID Number: TJA | Method Number: P

Start & End Date: 08/20/2013 to 08/20/2013 | Analytical Run #: 96872

Sample Number	Analysis or QC Type	DF	Analysis Date/ Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Mo	Li	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	W	V	Zn
341273	CCV2	1.00	8/20 20:33	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341274	CCB	1.00	8/20 20:37	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X
341281	MRL	1.00	8/20 22:33	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X		X		X			X			X	X

CT LABORATORIES
delivering more than data from your environmental analyses

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ANALYSIS RUN LOG

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Lab Code: CTL | SDG No.: 99211

Instrument ID Number: TJA | Method Number: P

Start & End Date: 08/20/2013 to 08/20/2013 | Analytical Run #: 96873

Sample Number	Analysis or QC Type	DF	Analysis Date/ Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Mo	Li	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	W	V	Zn
341384	ICV	1.00	8/20 09:48																				X				X					
341386	ICB	1.00	8/20 09:50																				X				X					
341387	MRL	1.00	8/20 09:51																				X				X					
341388	ICSA	1.00	8/20 09:52	X							X				X		X						X				X					
341389	ICSAB	1.00	8/20 09:53	X							X				X		X						X				X					
339760	LCSS	1.00	8/20 10:59																				X				X					
339759	MBS	1.00	8/20 11:00																				X				X					
337811	Initial	1.00	8/20 11:01																				X				X					
337812	Initial	1.00	8/20 11:02																				X				X					
337813	Initial	1.00	8/20 11:03																				X				X					
337815	Initial	1.00	8/20 11:04																				X				X					
341390	CCV	1.00	8/20 11:05																				X				X					
341391	CCB	1.00	8/20 11:06																				X				X					
341392	L	5	8/20 11:07																				X				X					
339761	DUP	1.00	8/20 11:08																				X				X					
339762	MSS	1.00	8/20 11:09																				X				X					
339763	MSDS	1.00	8/20 11:10																				X				X					
341393	PDSS	1.00	8/20 11:11																				X				X					
337818	Initial	1.00	8/20 11:12																				X				X					
337820	Initial	1.00	8/20 11:13																				X				X					
337822	Initial	1.00	8/20 11:14																				X				X					
337824	Initial	1.00	8/20 11:15																				X				X					
337826	Initial	1.00	8/20 11:16																				X				X					
341394	CCV	1.00	8/20 11:17																				X				X					
341395	CCB	1.00	8/20 11:18																				X				X					
337828	Initial	1.00	8/20 11:19																				X				X					
337830	Initial	1.00	8/20 11:20																				X				X					
337832	Initial	1.00	8/20 11:21																				X				X					
337834	Initial	1.00	8/20 11:22																				X				X					

CT LABORATORIES
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ANALYSIS RUN LOG

Lab Name: CT Laboratories
Contract: ECC-RVAAP

Lab Code: CTL
SDG No.: 99211

Instrument ID Number: TJA
Method Number: P

Start & End Date: 08/20/2013 to 08/20/2013
Analytical Run #: 96873

Sample Number	Analysis or QC Type	DF	Analysis Date/ Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Mo	Li	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	W	V	Zn
342363	CCV	1.00	8/20 11:30																				X				X					
342364	CCB	1.00	8/20 11:31																				X				X					

CT LABORATORIES
delivering more than data from your environmental analyses

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ANALYSIS RUN LOG

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Lab Code: CTL | SDG No.: 99211

Instrument ID Number: CETAC | Method Number: CV

Start & End Date: 08/22/2013 to 08/22/2013 | Analytical Run #: 96929

Sample Number	Analysis or QC Type	DF	Analysis Date/ Time	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Mo	Li	Ni	K	Se	Si	Ag	Na	Sr	Tl	Sn	W	V	Zn
342188	ICV	1.00	8/22 08:46																X													
342189	ICB	1.00	8/22 08:48																X													
337843	LCSS	1.00	8/22 08:53																X													
337842	MBS	1.00	8/22 08:55																X													
337811	Initial	1.00	8/22 08:57																X													
337812	Initial	1.00	8/22 08:59																X													
337813	Initial	1.00	8/22 09:01																X													
337815	Initial	1.00	8/22 09:02																X													
342190	L	5	8/22 09:04																X													
337852	DUP	1.00	8/22 09:06																X													
337853	MSS	1.00	8/22 09:08																X													
337854	MSDS	1.00	8/22 09:10																X													
342191	CCV	1.00	8/22 09:12																X													
342192	CCB	1.00	8/22 09:14																X													
342193	PDSS	1.00	8/22 09:16																X													
337818	Initial	1.00	8/22 09:18																X													
337820	Initial	1.00	8/22 09:19																X													
337822	Initial	1.00	8/22 09:21																X													
337824	Initial	1.00	8/22 09:23																X													
337826	Initial	1.00	8/22 09:25																X													
337828	Initial	1.00	8/22 09:27																X													
337830	Initial	1.00	8/22 09:29																X													
337832	Initial	1.00	8/22 09:30																X													
337834	Initial	1.00	8/22 09:32																X													
342195	CCV	1.00	8/22 09:34																X													
342196	CCB	1.00	8/22 09:36																X													

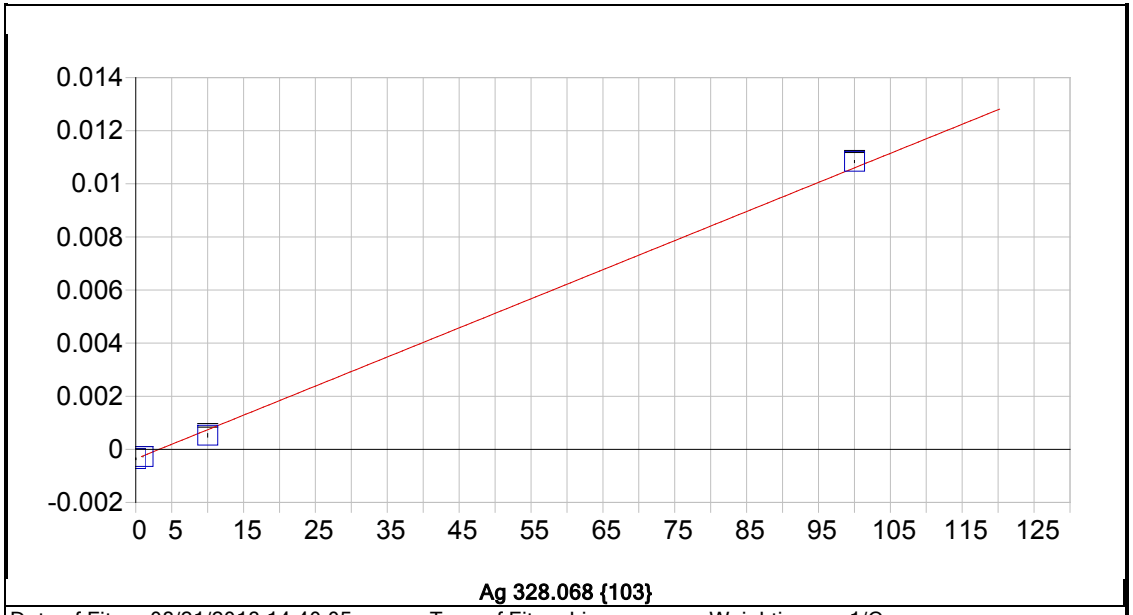
METALS
RAW DATA
DOCUMENTS

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)	Correlation	Std Error of Est	Predicted MDL	Predicted MQL
Ag 328.068 {103}	08/21/2013 14:40:05	08/20/2013 09:30:49	Linear	1/Conc	-0.000358	0.000110	0.000000	1.000000	0.997806	0.000003	0.803361	2.677870
Al 309.271 {109}	08/21/2013 14:40:05	08/20/2013 09:46:32	Curvilin	1/Conc	0.000831	0.000004	0.000000	1.000000	0.999889	0.000042	21.376083	71.253609
Al 396.152 { 85}	08/21/2013 14:40:05	08/20/2013 09:54:40	Curvilin	1/Conc	0.001586	0.000011	0.000000	1.000000	0.999988	0.000330	11.039307	36.797691
Al 167.079 {502}	08/21/2013 14:40:05	08/20/2013 09:34:06	Linear	None	0.000447	0.000014	0.000000	1.000000	0.998031	0.000451	0.485344	1.617814
As 193.759 {474}	08/21/2013 14:40:05	08/20/2013 09:34:06	Linear	None	-0.000018	0.000007	0.000000	1.000000	0.999997	0.000009	2.024813	6.749375
As 189.042 {479}	08/21/2013 14:40:05	08/20/2013 09:38:01	Linear	None	0.000001	0.000002	0.000000	1.000000	0.999999	0.000012	5.192604	17.308680
Ba 455.403 { 74}	08/21/2013 14:40:05	08/20/2013 09:38:01	Linear	None	0.001540	0.000681	0.000000	1.000000	1.000000	0.000912	0.228407	0.761355
Ba 493.409 { 68}	08/21/2013 14:40:05	08/20/2013 09:38:01	Linear	None	-0.003634	0.000539	0.000000	1.000000	1.000000	0.001424	0.623910	2.079700
Be 313.042 {108}	08/21/2013 14:40:05	08/20/2013 09:30:50	Linear	1/Conc	0.000154	0.000260	0.000000	1.000000	0.998340	0.000003	0.148866	0.496220
Be 234.861 {144}	08/21/2013 14:40:05	08/20/2013 09:34:06	Linear	1/Conc	-0.000004	0.000031	0.000000	1.000000	0.999989	0.000003	0.704549	2.348496
Ca 317.933 {106}	08/21/2013 14:40:05	08/20/2013 09:54:40	Curvilin	1/Conc	0.017920	0.000009	-0.000000	1.000000	0.999987	0.000076	4.365425	14.551416
Ca 393.366 { 86}	08/21/2013 14:40:05	08/20/2013 09:34:06	Linear	None	0.088866	0.001652	0.000000	1.000000	0.996314	0.083059	0.058845	0.196150
Ca 396.847 { 85}	08/21/2013 14:40:05	08/20/2013 09:38:01	Linear	None	0.035726	0.000638	0.000000	1.000000	0.999971	0.028825	0.110871	0.369572
Cd 226.502 {449}	08/21/2013 14:40:05	08/20/2013 09:34:06	Linear	None	0.000120	0.000207	0.000000	1.000000	0.999994	0.000261	0.108521	0.361736
Cd 228.802 {447}	08/21/2013 14:40:05	08/20/2013 09:34:06	Linear	1/Conc	0.000062	0.000222	0.000000	1.000000	0.999933	0.000047	0.118622	0.395407
Co 228.616 {447}	08/21/2013 14:40:05	08/20/2013 09:34:06	Linear	1/Conc	-0.000032	0.000125	0.000000	1.000000	0.999865	0.000006	0.188959	0.629863
Co 238.892 {141}	08/21/2013 14:40:05	08/20/2013 09:38:01	Linear	1/Conc	0.000034	0.000005	0.000000	1.000000	0.999987	0.000005	6.232049	20.773495
Cr 267.716 {126}	08/21/2013 14:40:05	08/20/2013 09:34:06	Linear	None	0.000096	0.000200	0.000000	1.000000	0.999998	0.000178	0.447281	1.490938
Cr 283.563 {119}	08/21/2013 14:40:05	08/20/2013 09:42:09	Linear	None	0.000299	0.000016	0.000000	1.000000	0.999999	0.000742	2.612067	8.706890
Cu 224.700 {450}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	1/Conc	0.000014	0.000051	0.000000	1.000000	0.999853	0.000008	0.450255	1.500848
Cu 324.754 {104}	08/21/2013 14:40:05	08/20/2013 09:42:09	Linear	1/Conc	0.002091	0.000022	0.000000	1.000000	0.999935	0.000034	3.025335	10.084449
Cu 327.396 {103}	08/21/2013 14:40:05	08/20/2013 09:42:09	Linear	1/Conc	-0.000276	0.000009	0.000000	1.000000	0.999957	0.000005	8.560235	28.534116
Fe 234.349 {144}	08/21/2013 14:40:05	08/20/2013 09:54:40	Full Fit	1/Conc	0.000808	0.000001	0.000000	1.010000	0.999895	0.000039	12.975734	43.252448
Fe 239.562 {141}	08/21/2013 14:40:05	08/20/2013 09:46:32	Linear	None	0.000759	0.000002	0.000000	1.000000	0.999989	0.000642	7.116519	23.721729
Fe 259.940 {130}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	None	0.000945	0.000007	0.000000	1.000000	0.998527	0.001796	4.210746	14.035821
Mg 202.582 {466}	08/21/2013 14:40:05	08/20/2013 09:54:40	Full Fit	1/Conc	0.000231	0.000020	-0.000000	0.940000	0.999976	0.000456	0.870575	2.901916
Mg 279.079 {121}	08/21/2013 14:40:05	08/20/2013 09:54:40	Linear	1/Conc	0.000047	0.000000	0.000000	1.000000	0.999680	0.000054	46.416749	154.722498
Mg 280.270 {120}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	None	0.003915	0.000132	0.000000	1.000000	0.999957	0.006158	0.172555	0.575185
Mn 257.610 {131}	08/21/2013 14:40:05	08/20/2013 09:34:07	Linear	1/Conc	0.000028	0.000040	0.000000	1.000000	0.999960	0.000001	0.574894	1.916315
Mn 259.373 {130}	08/21/2013 14:40:05	08/20/2013 09:42:09	Linear	1/Conc	0.000048	0.000048	0.000000	1.000000	0.999782	0.000470	0.782938	2.609793
Mo 203.844 {465}	08/21/2013 14:40:05	08/20/2013 09:34:07	Linear	1/Conc	0.000113	0.000044	0.000000	1.000000	0.999797	0.000001	0.435933	1.453111
Mo 202.030 {467}	08/21/2013 14:40:05	08/20/2013 09:34:07	Linear	1/Conc	0.000026	0.000044	0.000000	1.000000	0.999962	0.000002	0.292377	0.974591
Mo 204.598 {465}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	None	0.000084	0.000020	0.000000	1.000000	0.999999	0.000108	0.697069	2.323563
Ni 221.647 {452}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	None	0.001367	0.000082	0.000000	1.000000	0.999992	0.001919	0.342381	1.141270
Ni 231.604 {445}	08/21/2013 14:40:05	08/20/2013 09:34:07	Linear	1/Conc	0.000010	0.000112	0.000000	1.000000	0.999715	0.000008	0.327719	1.092395
Pb 216.999 {455}	08/21/2013 14:40:05	08/20/2013 09:42:09	Curvilin	1/Conc	0.000038	0.000007	0.000000	1.000000	0.999956	0.000010	3.222833	10.742775
Pb 220.353 {453}	08/21/2013 14:40:05	08/20/2013 09:34:07	Linear	None	0.000065	0.000017	0.000000	1.000000	0.999986	0.000046	1.185655	3.952185
Sb 206.833 {463}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	1/Conc	0.000023	0.000010	0.000000	1.000000	0.999955	0.000001	1.586229	5.287431
Sb 217.581 {455}	08/21/2013 14:40:05	08/20/2013 09:34:07	Linear	1/Conc	-0.000053	0.000011	0.000000	1.000000	0.999830	0.000001	2.221016	7.403387
Se 196.090 {172}	08/21/2013 14:40:05	08/20/2013 09:38:02	Curvilin	1/Conc	0.000033	0.000004	-0.000000	1.000000	0.999894	0.000001	6.583630	21.945435
Se 196.090 {472}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	1/Conc	0.000011	0.000007	0.000000	1.000000	0.999933	0.000001	2.312570	7.708565
Se 206.279 {463}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	1/Conc	-0.000045	0.000001	0.000000	1.000000	0.999975	0.000001	22.531933	75.106444
Tl 276.787 {122}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	None	0.000025	0.000000	0.000000	1.000000	0.999949	0.000022	146.941186	489.803952
Tl 190.856 {477}	08/21/2013 14:40:05	08/20/2013 09:34:07	Linear	1/Conc	-0.000015	0.000006	0.000000	1.000000	0.999898	0.000000	1.729950	5.766501

	Element, Wavelength and Order	Status	Reslope		QC Norm	
			Slope	Y-int	Slope factor	Offset
	Ag 328.068 {103}	OK.	1.000000	0.000000	1	0
	Al 309.271 {109}	Warnin	1.000000	0.000000	1	0
	Al 396.152 { 85}	OK.	1.000000	0.000000	1	0
	Al 167.079 {502}	OK.	1.000000	0.000000	1	0
	As 193.759 {474}	OK.	1.000000	0.000000	1	0
	As 189.042 {479}	OK.	1.000000	0.000000	1	0
	Ba 455.403 { 74}	OK.	1.000000	0.000000	1	0
	Ba 493.409 { 68}	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	OK.	1.000000	0.000000	1	0
	Be 234.861 {144}	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	OK.	1.000000	0.000000	1	0
	Ca 393.366 { 86}	OK.	1.000000	0.000000	1	0
	Ca 396.847 { 85}	OK.	1.000000	0.000000	1	0
	Cd 226.502 {449}	OK.	1.000000	0.000000	1	0
	Cd 228.802 {447}	OK.	1.000000	0.000000	1	0
	Co 228.616 {447}	OK.	1.000000	0.000000	1	0
	Co 238.892 {141}	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	OK.	1.000000	0.000000	1	0
	Cr 283.563 {119}	OK.	1.000000	0.000000	1	0
	Cu 224.700 {450}	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}	OK.	1.000000	0.000000	1	0
	Cu 327.396 {103}	OK.	1.000000	0.000000	1	0
	Fe 234.349 {144}	OK.	1.000000	0.000000	1	0
	Fe 239.562 {141}	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	OK.	1.000000	0.000000	1	0
	Mg 202.582 {466}	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	OK.	1.000000	0.000000	1	0
	Mg 280.270 {120}	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	OK.	1.000000	0.000000	1	0
	Mn 259.373 {130}	OK.	1.000000	0.000000	1	0
	Mo 203.844 {465}	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	OK.	1.000000	0.000000	1	0
	Mo 204.598 {465}	OK.	1.000000	0.000000	1	0
	Ni 221.647 {452}	OK.	1.000000	0.000000	1	0
	Ni 231.604 {445}	OK.	1.000000	0.000000	1	0
	Pb 216.999 {455}	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	OK.	1.000000	0.000000	1	0
	Sb 217.581 {455}	OK.	1.000000	0.000000	1	0
	Se 196.090 {172}	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	OK.	1.000000	0.000000	1	0
	Se 206.279 {463}	OK.	1.000000	0.000000	1	0
	Tl 276.787 {122}	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	OK.	1.000000	0.000000	1	0

	Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)	Correlation	Std Error of Est	Predicted MDL	Predicted MQL
	V 290.882 {116}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	1/Conc	-0.000032	0.000013	0.000000	1.000000	0.999964	0.000019	5.135390	17.117966
	V 292.402 {115}	08/21/2013 14:40:05	08/20/2013 09:34:07	Linear	1/Conc	0.000210	0.000286	0.000000	1.000000	0.999935	0.000014	0.510754	1.702514
	Zn 206.200 {463}	08/21/2013 14:40:05	08/20/2013 09:42:09	Full Fit	None	-0.000068	0.000121	-0.000000	0.990000	1.000000	0.000000	0.150069	0.500230
	Zn 213.856 {458}	08/21/2013 14:40:05	08/20/2013 09:34:07	Linear	1/Conc	0.000189	0.000103	0.000000	1.000000	0.999910	0.000006	0.136934	0.456446
	Y 360.073 { 94}*	08/21/2013 14:40:05	08/20/2013 09:00:19	Linear	None	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	-1.000000	-1.000000
	Na 330.298 {102}	08/21/2013 14:40:05	08/20/2013 09:42:09	Linear	1/Conc	-0.000010	-0.000000	0.000000	1.000000	1.000000	0.000000	-1.000000	-1.000000
	Si 251.611 {134}	08/21/2013 14:40:05	08/20/2013 09:34:07	Linear	None	0.000136	0.000000	0.000000	1.000000	1.000000	0.000000	549.260824	1830.86941
	Ti 334.941 {101}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	1/Conc	0.000043	0.000048	0.000000	1.000000	0.999954	0.000002	1.076182	3.587275
	Ti 337.280 {100}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	1/Conc	-0.000075	0.000059	0.000000	1.000000	0.999916	0.000003	1.201928	4.006428
	Sr 407.771 { 83}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	1/Conc	-0.007926	0.001045	0.000000	1.000000	0.999987	0.000021	0.118473	0.394908
	Sr 421.552 { 80}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	1/Conc	-0.000164	0.000887	0.000000	1.000000	0.999994	0.000012	0.132816	0.442721
	Sn 189.989 {477}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	1/Conc	0.000035	0.000020	0.000000	1.000000	0.999824	0.000003	0.568809	1.896029
	Sn 283.999 {119}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	1/Conc	0.000002	0.000001	0.000000	1.000000	0.999585	0.000001	33.900979	113.003264
	B 249.773 {135}	08/21/2013 14:40:05	08/20/2013 09:38:02	Linear	1/Conc	0.000023	0.000005	0.000000	1.000000	0.999905	0.000001	6.230324	20.767747
	Li 670.784 { 50}	08/21/2013 14:40:05	08/20/2013 09:38:03	Linear	1/Conc	-0.000160	0.000220	0.000000	1.000000	0.999910	0.000040	1.151641	3.838802

	Element, Wavelength and Order	Status	Reslope		QC Norm	
			Slope	Y-int	Slope factor	Offset
	V 290.882 {116}	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	OK.	1.000000	0.000000	1	0
	Zn 206.200 {463}	OK.	1.000000	0.000000	1	0
	Zn 213.856 {458}	OK.	1.000000	0.000000	1	0
	Y 360.073 { 94}*	Warnin	1.000000	0.000000	1	0
	Na 330.298 {102}	Warnin	1.000000	0.000000	1	0
	Si 251.611 {134}	OK.	1.000000	0.000000	1	0
	Ti 334.941 {101}	OK.	1.000000	0.000000	1	0
	Ti 337.280 {100}	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	OK.	1.000000	0.000000	1	0
	Sr 421.552 { 80}	OK.	1.000000	0.000000	1	0
	Sn 189.989 {477}	OK.	1.000000	0.000000	1	0
	Sn 283.999 {119}	OK.	1.000000	0.000000	1	0
	B 249.773 {135}	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	OK.	1.000000	0.000000	1	0

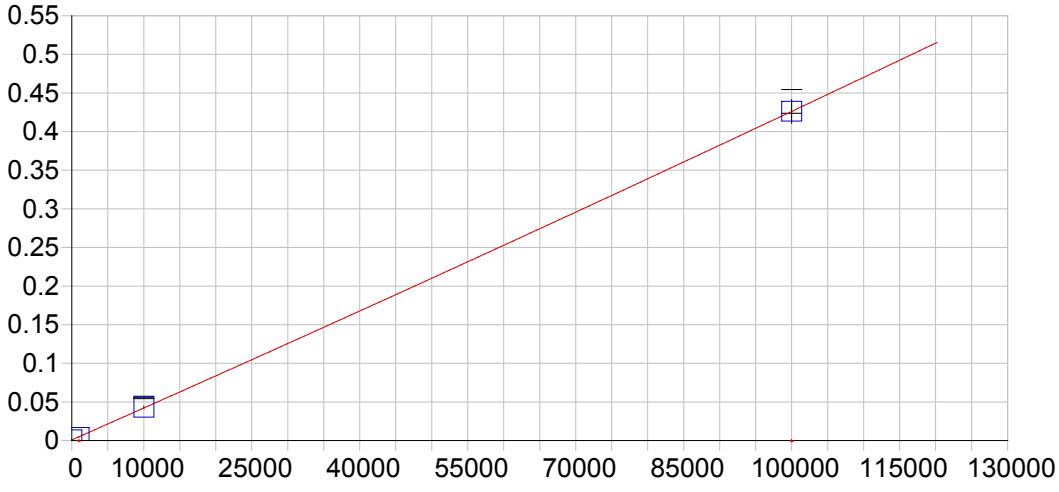


Ag 328.068 {103}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000358	Re-Slope:	1.000000
A1 (Gain):	0.000110	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.997806	Status:	OK.
Std Error of Est:	0.000003		
Predicted MDL:	0.803361		
Predicted MQL:	2.677870		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00043	.000	.000	-.00036	.000	1
CalibStd=10	10.000	8.0659	-1.93	-19.3	.00053	.000	1
CalibStd=1	1.0000	.74240	-.258	-25.8	-.00028	.000	1
CalibStd=100	100.00	102.19	2.19	2.19	.01084	.000	1



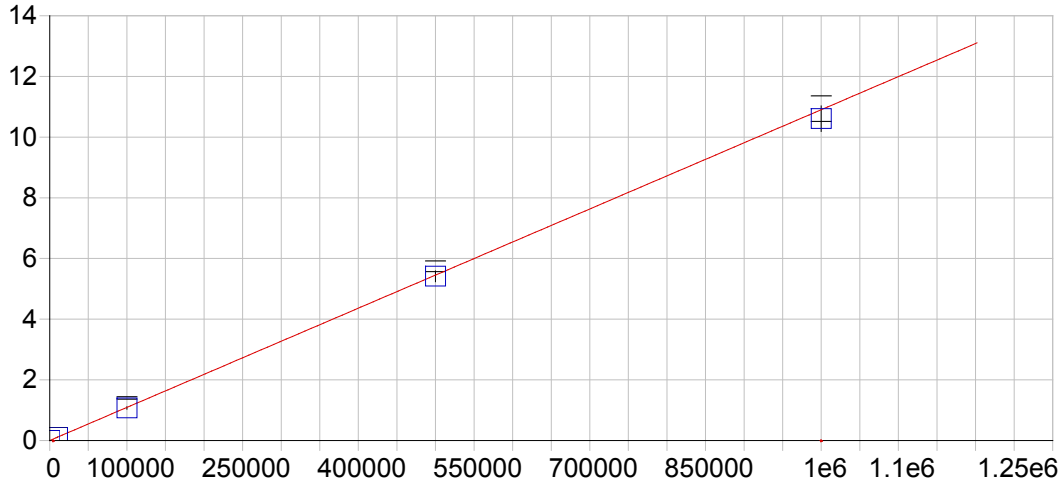
Al 309.271 {109}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Curvilinear	Weighting:	1/Conc

A0 (Offset):	0.000831	Re-Slope:	1.000000
A1 (Gain):	0.000004	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999889	Status:	Warning
Std Error of Est:	0.000042		
Predicted MDL:	21.376083		
Predicted MQL:	71.253609		

Positive Curvature

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.13577	.136	.000	.00083	.000	1
CalibStd=100	10000.	10167.	167.	1.67	.04283	.002	1
CalibStd=100	1000.0	847.72	-152.	-15.2	.00432	.000	1
CalibStd-100	100000.	99986.	-14.3	-.014	.42614	.015	1

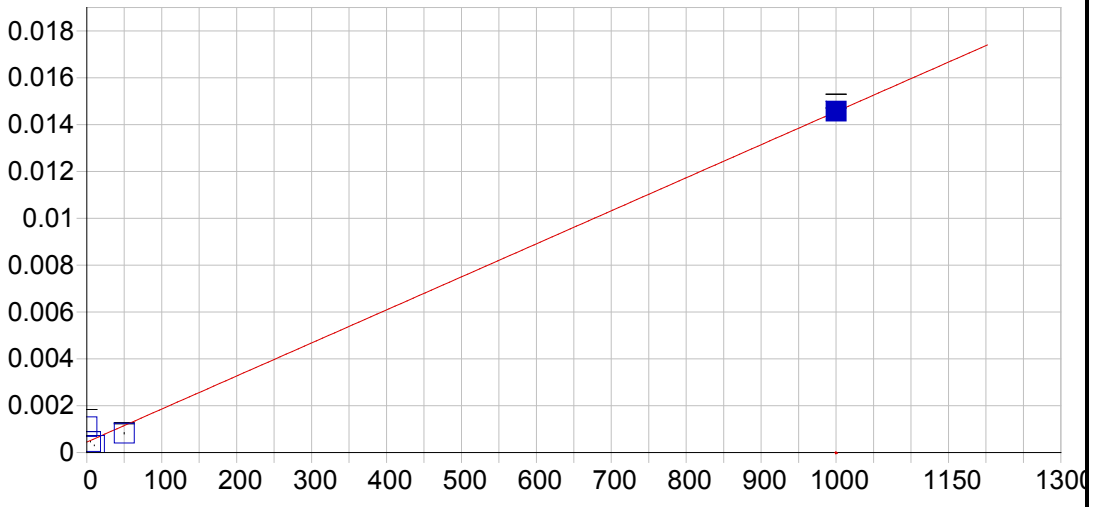


Al 396.152 { 85}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Curvilinear	Weighting:	1/Conc

A0 (Offset):	0.001586	Re-Slope:	1.000000
A1 (Gain):	0.000011	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999988	Status:	OK.
Std Error of Est:	0.000330		
Predicted MDL:	11.039307		
Predicted MQL:	36.797691		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.17818	.178	.000	.00159	.000	1
CalibStd-100	1000000.	972970.	-27000.	-2.70	10.609	.421	1
CalibStd=500	500000.	496250.	-3750.	-.750	5.4115	.175	1
CalibStd=100	10000.	9918.8	-81.2	-.812	.10972	.004	1
CalibStd-100	100000.	98326.	-1670.	-1.67	1.0735	.039	1

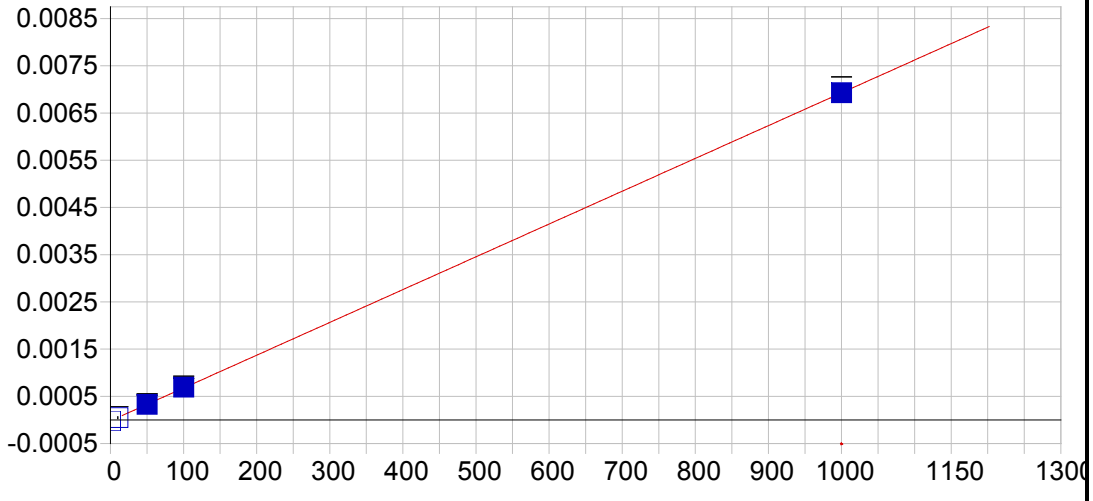


Al 167.079 {502}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000447	Re-Slope:	1.000000
A1 (Gain):	0.000014	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998031	Status:	OK.
Std Error of Est:	0.000451		
Predicted MDL:	0.485344		
Predicted MQL:	1.617814		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	45.927	45.9	.000	.00109	.000	1
CalibStd=100	1000.0	1001.4	1.38	.138	.01458	.000	1
CalibStd=10	10.000	-10.007	-20.0	-200.	.00031	.000	1
CalibStd=5	5.0000	.93289	-4.07	-81.3	.00046	.000	1
CalibStd=50	50.000	26.766	-23.2	-46.5	.00082	.000	1

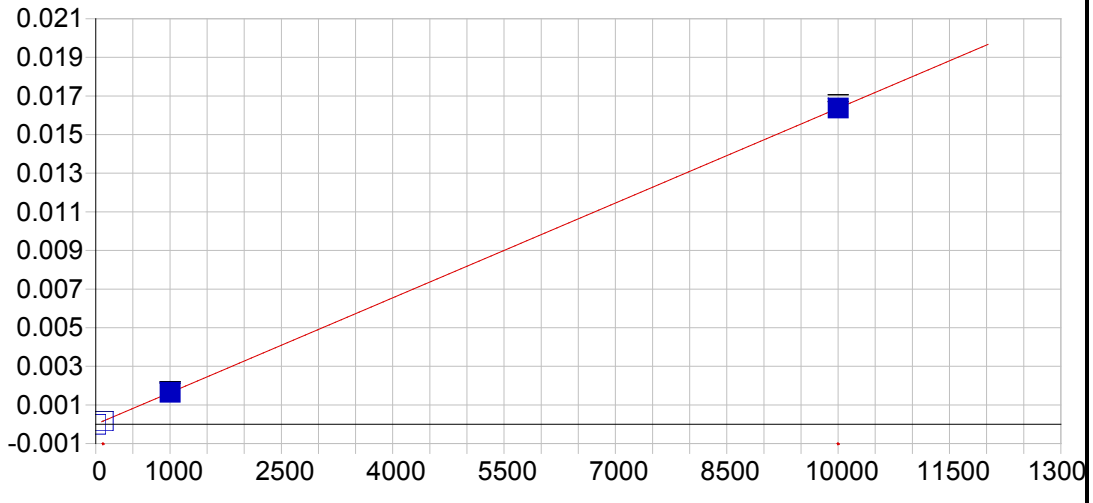


As 193.759 {474}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	-0.000018	Re-Slope:	1.000000
A1 (Gain):	0.000007	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999997	Status:	OK.
Std Error of Est:	0.000009		
Predicted MDL:	2.024813		
Predicted MQL:	6.749375		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.75707	-.757	.000	-.00002	.000	1
CalibStd=100	1000.0	999.83	-.171	-.017	.00693	.000	1
CalibStd=50	50.000	49.570	-.430	-.861	.00033	.000	1
CalibStd=10	10.000	9.3690	-.631	-6.31	.00005	.000	1
CalibStd=100	100.00	101.99	1.99	1.99	.00069	.000	1

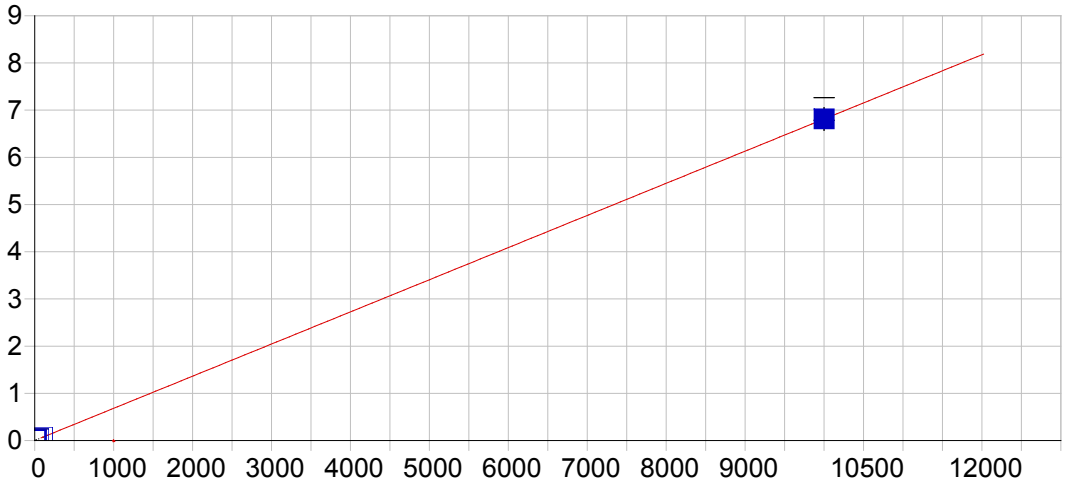


As 189.042 {479}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000001	Re-Slope:	1.000000
A1 (Gain):	0.000002	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999999	Status:	OK.
Std Error of Est:	0.000012		
Predicted MDL:	5.192604		
Predicted MQL:	17.308680		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-7.3493	-7.35	.000	-.00001	.000	1
CalibStd=100	1000.0	1007.5	7.46	.746	.00165	.000	1
CalibStd=100	10000.	9999.2	-.753	-.008	.01637	.000	1
CalibStd=100	100.00	100.64	.639	.639	.00017	.000	1

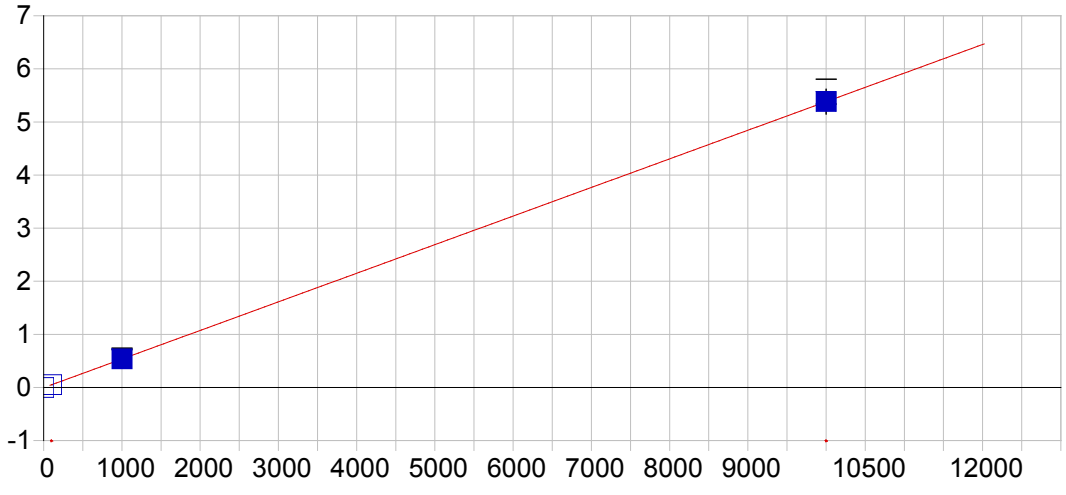


Ba 455.403 { 74}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.001540	Re-Slope:	1.000000
A1 (Gain):	0.000681	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.000912		
Predicted MDL:	0.228407		
Predicted MQL:	0.761355		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-1.0849	-1.08	.000	.00080	.000	1
CalibStd=50	50.000	49.805	-.195	-.390	.03546	.001	1
CalibStd=10	10.000	9.3073	-.693	-6.93	.00788	.000	1
CalibStd=20	20.000	20.354	.354	1.77	.01540	.000	1
CalibStd=100	100.00	102.52	2.52	2.52	.07137	.001	1
CalibStd=5	5.0000	4.1188	-.881	-17.6	.00435	.000	1
CalibStd=100	10000.	10000.0	-.024	.000	6.8123	.239	1

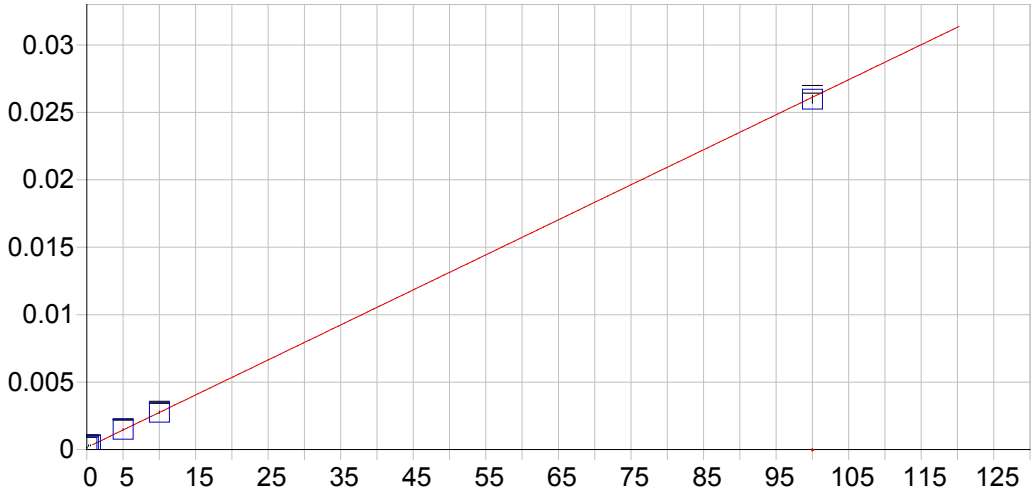


Ba 493.409 { 68}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	-0.003634	Re-Slope:	1.000000
A1 (Gain):	0.000539	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.001424		
Predicted MDL:	0.623910		
Predicted MQL:	2.079700		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-2.7597	-2.76	.000	-.00512	.000	1
CalibStd=100	1000.0	1002.4	2.45	.245	.53624	.016	1
CalibStd=100	10000.	9999.7	-.250	-.003	5.3818	.234	1
CalibStd=100	100.00	100.56	.563	.563	.05052	.001	1

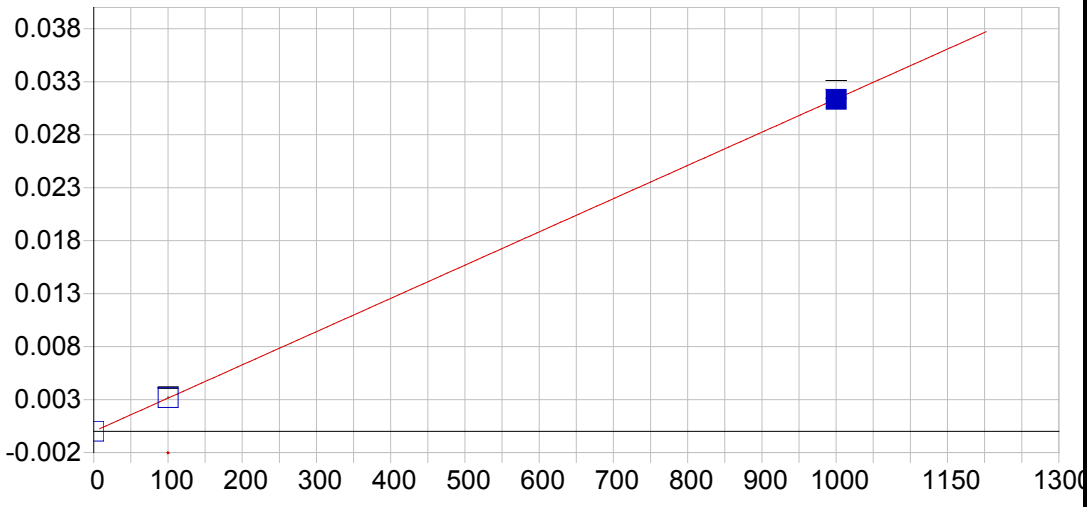


Be 313.042 {108}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000154	Re-Slope:	1.000000
A1 (Gain):	0.000260	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998340	Status:	OK.
Std Error of Est:	0.000003		
Predicted MDL:	0.148866		
Predicted MQL:	0.496220		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00036	.000	.000	.00015	.000	1
CalibStd=10	10.000	10.028	.028	.275	.00276	.000	1
CalibStd=100	100.00	99.425	-.575	-.575	.02597	.000	1
CalibStd=0.5	.50000	.61981	.120	24.0	.00031	.000	1
CalibStd=5	5.0000	5.1321	.132	2.64	.00149	.000	1
CalibStd=0.2	.25000	.54540	.295	118.	.00030	.000	1

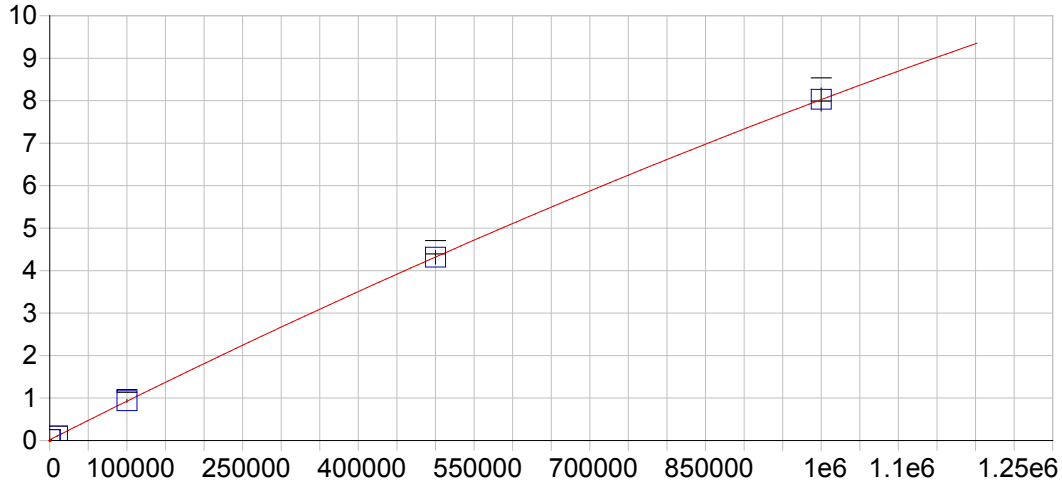


Be 234.861 {144}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000004	Re-Slope:	1.000000
A1 (Gain):	0.000031	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999989	Status:	OK.
Std Error of Est:	0.000003		
Predicted MDL:	0.704549		
Predicted MQL:	2.348496		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00131	-.001	.000	.00000	.000	1
CalibStd=100	1000.0	998.55	-1.45	-.145	.03132	.001	1
CalibStd=100	100.00	101.45	1.45	1.45	.00318	.000	1

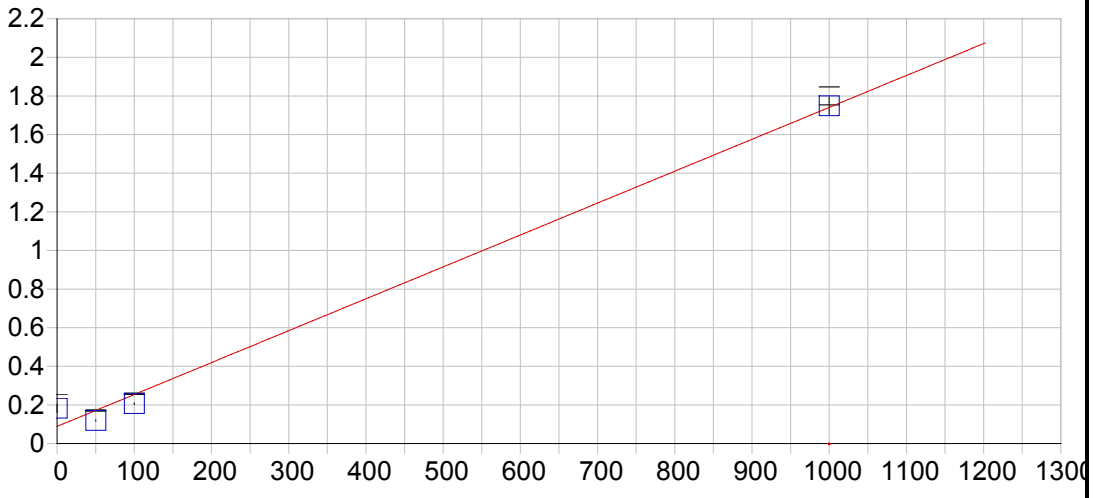


Ca 317.933 {106}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Curvilinear	Weighting:	1/Conc

A0 (Offset):	0.017920	Re-Slope:	1.000000
A1 (Gain):	0.000009	Y-int:	0.000000
A2 (Curvature):	-0.000000		
n (Exponent):	1.000000		
Correlation:	0.999987	Status:	OK.
Std Error of Est:	0.000076		
Predicted MDL:	4.365425		
Predicted MQL:	14.551416		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.16673	.167	.000	.01792	.000	1
CalibStd=100	10000.	9825.5	-174.	-1.74	.10820	.004	1
CalibStd=500	500000.	499150.	-850.	-.170	4.3132	.157	1
CalibStd-100	1000000.	1000400.	397.	.040	8.0295	.272	1
CalibStd=100	1000.0	844.06	-156.	-15.6	.02568	.000	1
CalibStd-100	100000.	100800.	796.	.796	.93311	.032	1

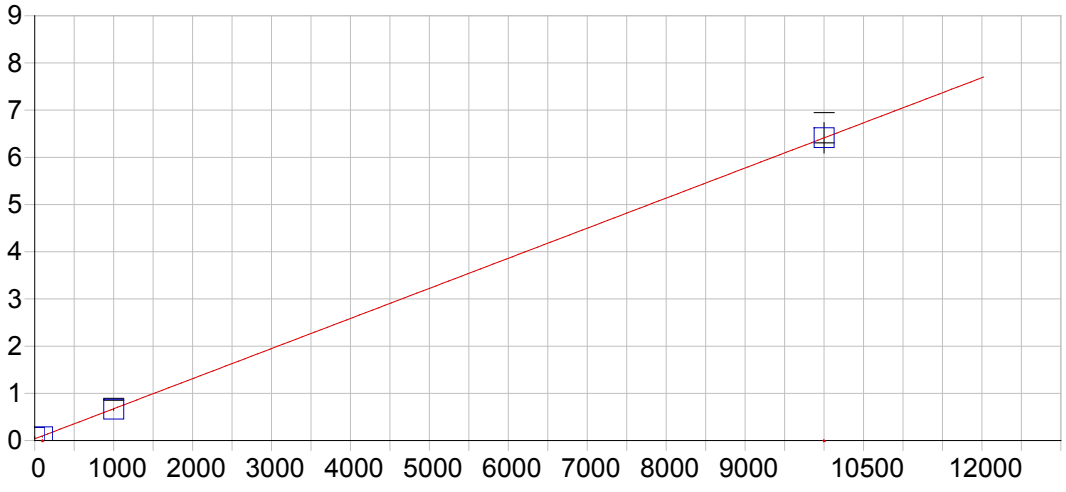


Ca 393.366 { 86}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.088866	Re-Slope:	1.000000
A1 (Gain):	0.001652	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.996314	Status:	OK.
Std Error of Est:	0.083059		
Predicted MDL:	0.058845		
Predicted MQL:	0.196150		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	56.378	56.4	.000	.18201	.021	1
CalibStd=50	50.000	18.211	-31.8	-63.6	.11895	.003	1
CalibStd=100	1000.0	1004.5	4.50	.450	1.7483	.046	1
CalibStd=100	100.00	70.912	-29.1	-29.1	.20602	.004	1

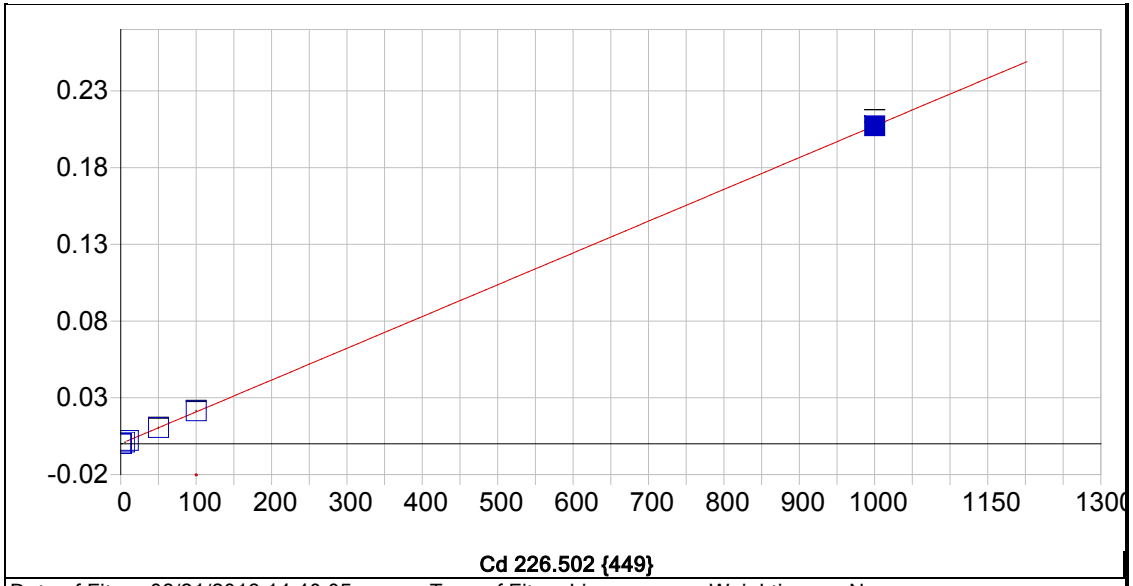


Ca 396.847 { 85}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.035726	Re-Slope:	1.000000
A1 (Gain):	0.000638	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999971	Status:	OK.
Std Error of Est:	0.028825		
Predicted MDL:	0.110871		
Predicted MQL:	0.369572		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	50.683	50.7	.000	.06804	.008	1
CalibStd=100	10000.	10002.	2.23	.022	6.4136	.322	1
CalibStd=100	100.00	66.019	-34.0	-34.0	.07782	.002	1
CalibStd=100	1000.0	981.07	-18.9	-1.89	.66129	.019	1

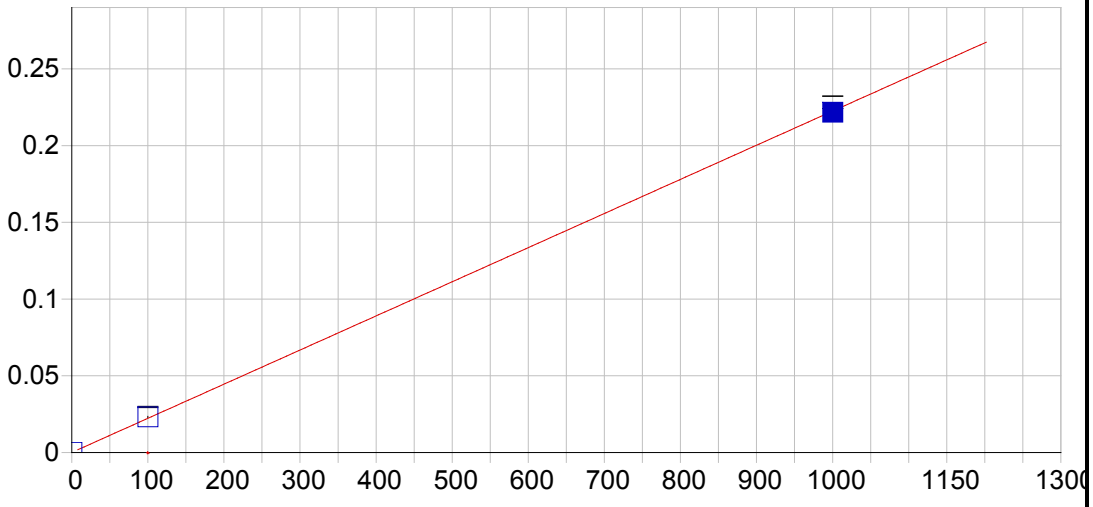


Cd 226.502 {449}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000120	Re-Slope:	1.000000
A1 (Gain):	0.000207	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999994	Status:	OK.
Std Error of Est:	0.000261		
Predicted MDL:	0.108521		
Predicted MQL:	0.361736		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.70099	-.701	.000	-.00003	.000	1
CalibStd=50	50.000	50.339	.339	.678	.01055	.000	1
CalibStd=1	1.0000	.26995	-.730	-73.0	.00018	.000	1
CalibStd=0.5	.50000	-.23999	-.740	-148.	.00007	.000	1
CalibStd=5	5.0000	4.7100	-.290	-5.80	.00110	.000	1
CalibStd=100	100.00	102.75	2.75	2.75	.02140	.000	1
CalibStd=10	10.000	9.6564	-.344	-3.44	.00212	.000	1
CalibStd=100	1000.0	999.71	-.286	-.029	.20720	.004	1

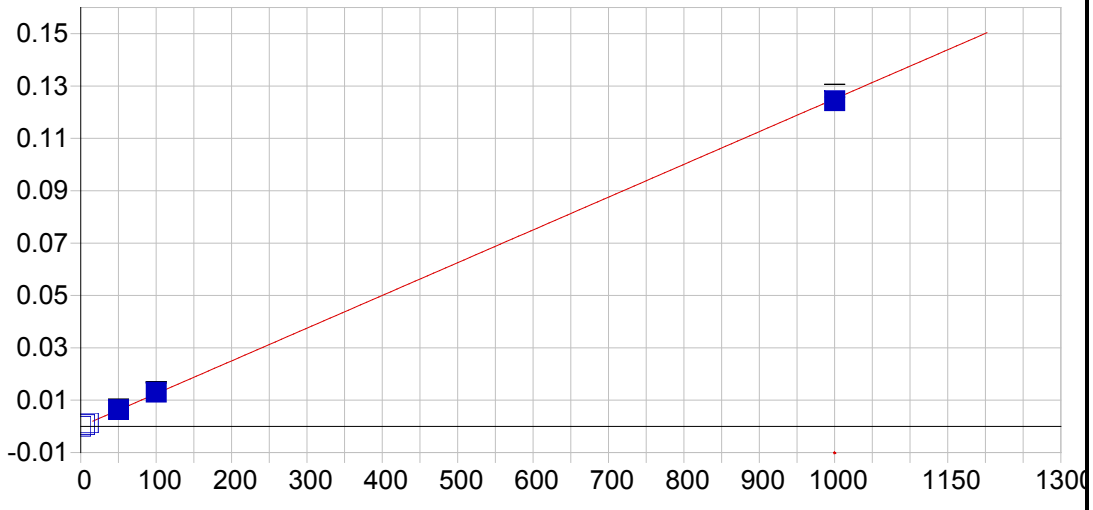


Cd 228.802 {447}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000062	Re-Slope:	1.000000
A1 (Gain):	0.000222	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999933	Status:	OK.
Std Error of Est:	0.000047		
Predicted MDL:	0.118622		
Predicted MQL:	0.395407		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00329	-.003	.000	.00006	.000	1
CalibStd=100	1000.0	996.34	-3.66	-.366	.22168	.004	1
CalibStd=100	100.00	103.66	3.66	3.66	.02312	.000	1

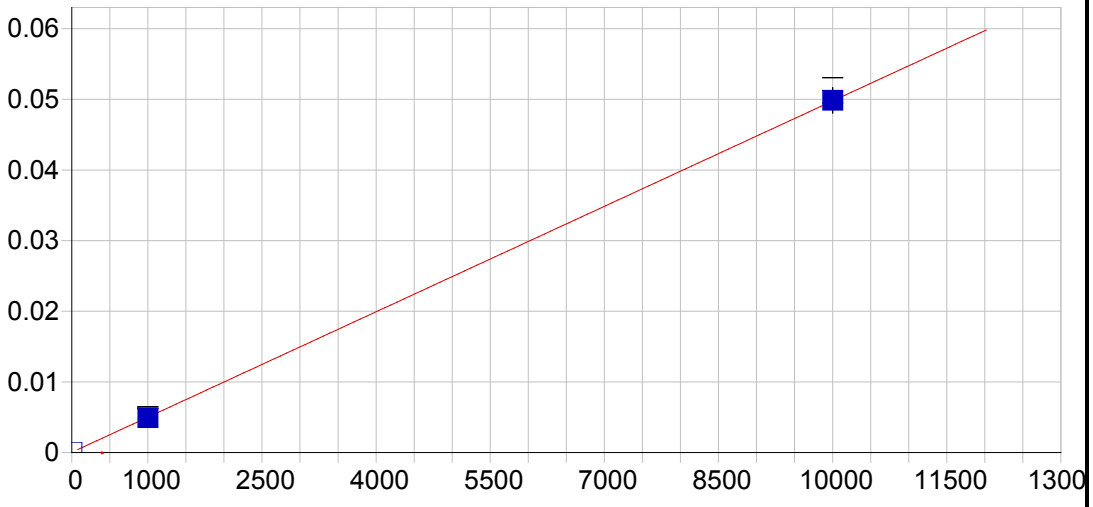


Co 228.616 {447}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000032	Re-Slope:	1.000000
A1 (Gain):	0.000125	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999865	Status:	OK.
Std Error of Est:	0.000006		
Predicted MDL:	0.188959		
Predicted MQL:	0.629863		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00106	-.001	.000	-.00003	.000	1
CalibStd=50	50.000	51.021	1.02	2.04	.00636	.000	1
CalibStd=10	10.000	10.403	.403	4.03	.00127	.000	1
CalibStd=5	5.0000	5.5757	.576	11.5	.00067	.000	1
CalibStd=100	100.00	104.16	4.16	4.16	.01301	.000	1
CalibStd=100	1000.0	993.84	-6.16	-.616	.12443	.002	1

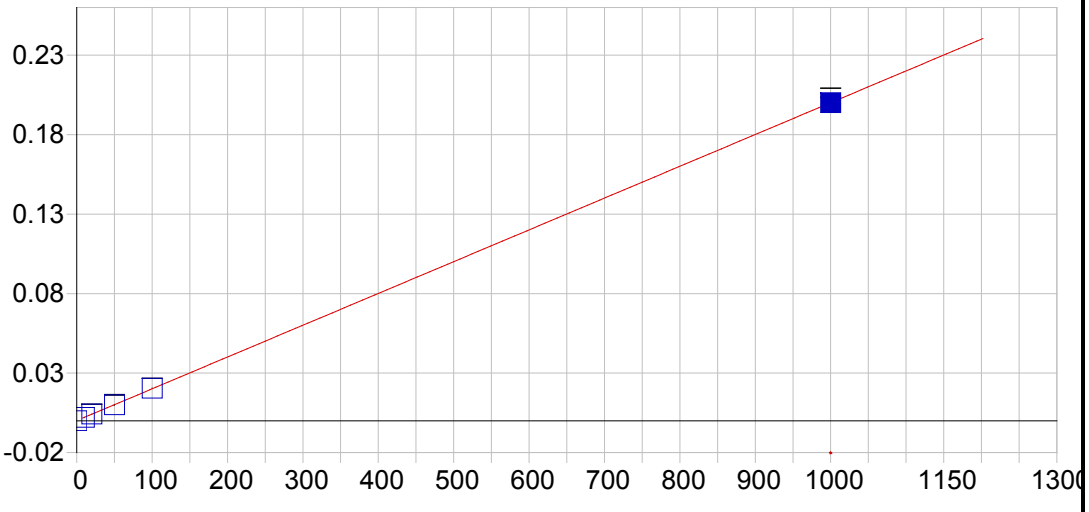


Co 238.892 {141}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000034	Re-Slope:	1.000000
A1 (Gain):	0.000005	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999987	Status:	OK.
Std Error of Est:	0.000005		
Predicted MDL:	6.232049		
Predicted MQL:	20.773495		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.01452	.015	.000	.00003	.000	1
CalibStd=100	1000.0	983.86	-16.1	-1.61	.00493	.000	1
CalibStd=100	10000.	10016.	16.1	.161	.04986	.002	1

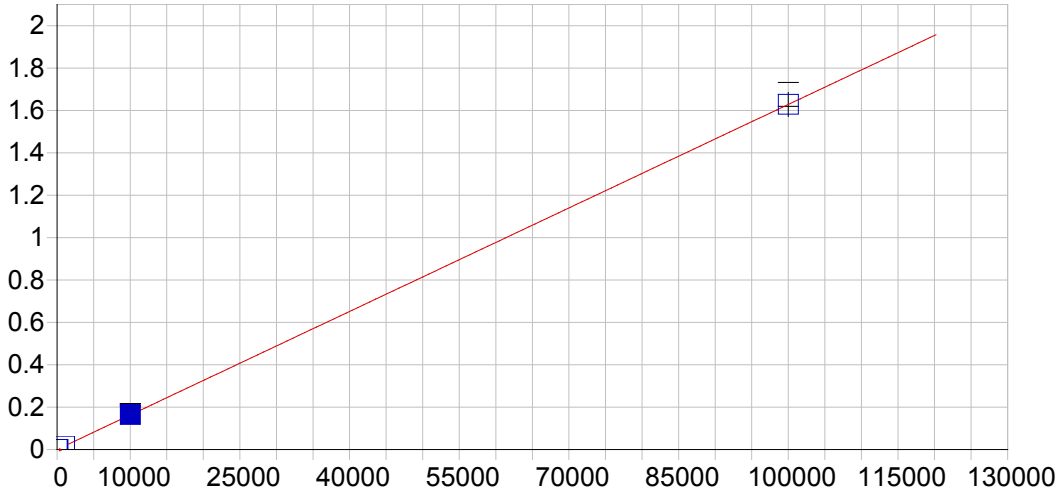


Cr 267.716 {126}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000096	Re-Slope:	1.000000
A1 (Gain):	0.000200	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999998	Status:	OK.
Std Error of Est:	0.000178		
Predicted MDL:	0.447281		
Predicted MQL:	1.490938		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.75990	-.760	.000	-.00006	.000	1
CalibStd=10	10.000	9.6514	-.349	-3.49	.00203	.000	1
CalibStd=50	50.000	49.563	-.437	-.873	.01001	.000	1
CalibStd=100	1000.0	999.87	-.128	-.013	.20007	.003	1
CalibStd=20	20.000	20.179	.179	.894	.00413	.000	1
CalibStd=100	100.00	101.49	1.49	1.49	.02040	.000	1

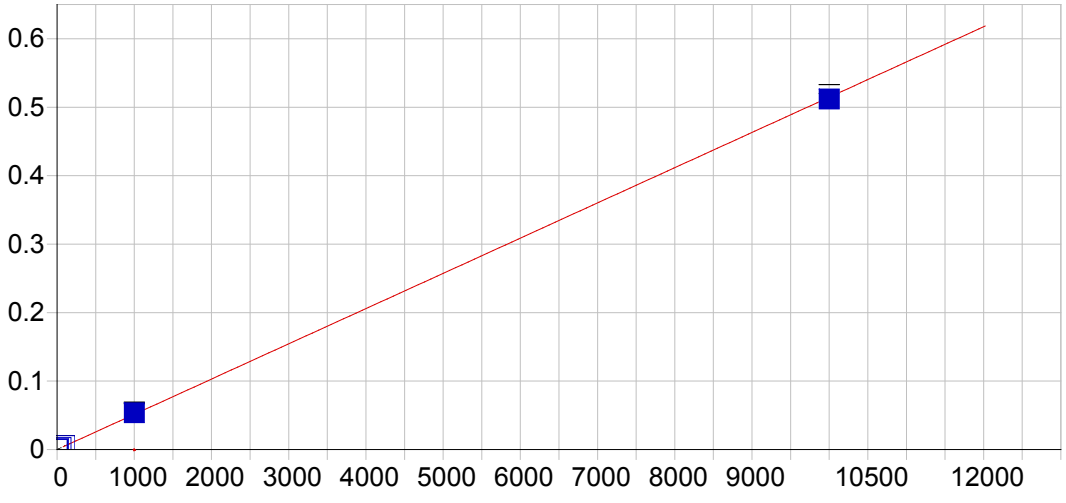


Cr 283.563 {119}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000299	Re-Slope:	1.000000
A1 (Gain):	0.000016	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999999	Status:	OK.
Std Error of Est:	0.000742		
Predicted MDL:	2.612067		
Predicted MQL:	8.706890		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-15.778	-15.8	.000	.00004	.000	1
CalibStd=50	50.000	31.719	-18.3	-36.6	.00082	.000	1
CalibStd=100	100.00	86.020	-14.0	-14.0	.00170	.000	1
CalibStd=100	1000.0	973.70	-26.3	-2.63	.01617	.001	1
CalibStd=100	10000.	10082.	82.3	.823	.16462	.006	1
CalibStd-100	100000.	99992.	-7.95	-.008	1.6283	.056	1

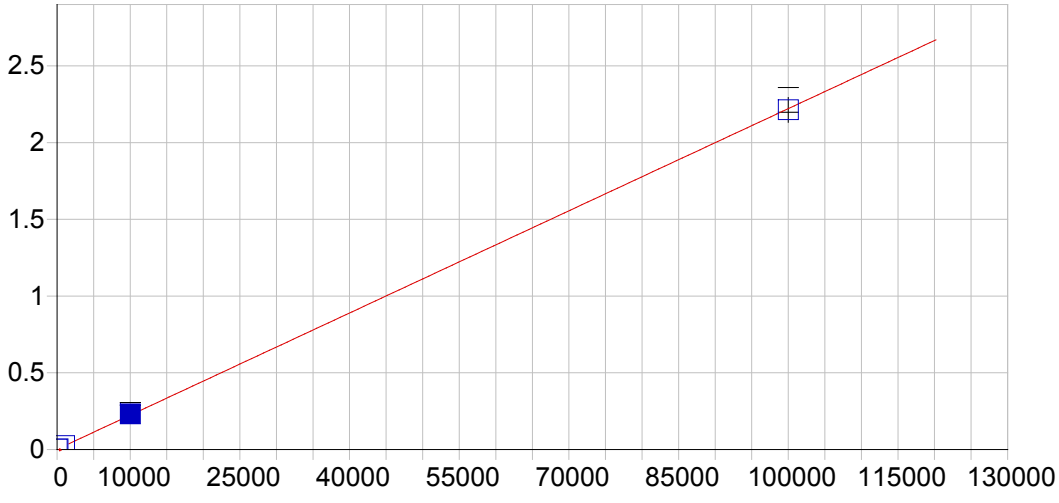


Cu 224.700 {450}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000014	Re-Slope:	1.000000
A1 (Gain):	0.000051	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999853	Status:	OK.
Std Error of Est:	0.000008		
Predicted MDL:	0.450255		
Predicted MQL:	1.500848		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00302	-.003	.000	.00001	.000	1
CalibStd=100	1000.0	1038.5	38.5	3.85	.05347	.001	1
CalibStd=50	50.000	53.141	3.14	6.28	.00275	.000	1
CalibStd=100	100.00	108.62	8.62	8.62	.00560	.000	1
CalibStd=10	10.000	10.793	.793	7.93	.00057	.000	1
CalibStd=100	10000.	9945.6	-54.4	-.544	.51198	.007	1
CalibStd=5	5.0000	6.1998	1.20	24.0	.00033	.000	1
CalibStd=20	20.000	22.070	2.07	10.4	.00115	.000	1

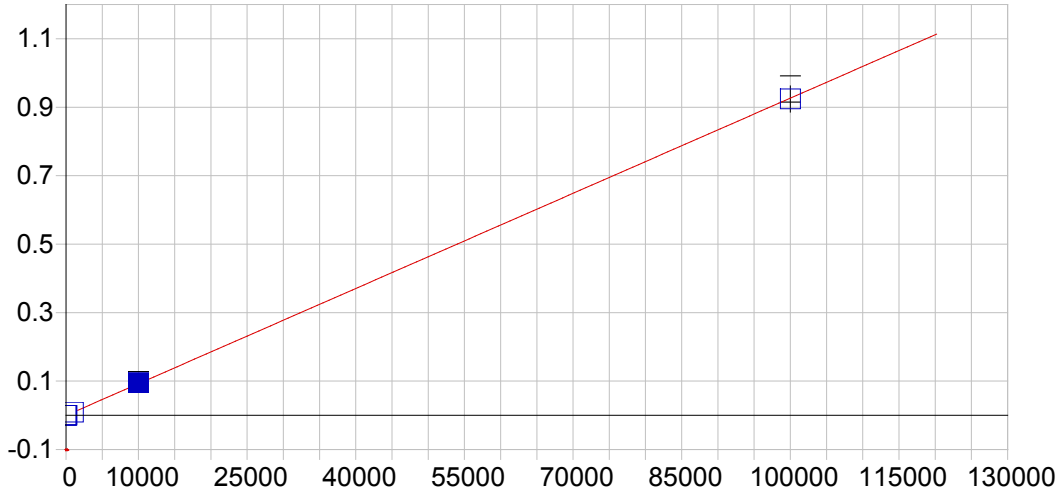


Cu 324.754 {104}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.002091	Re-Slope:	1.000000
A1 (Gain):	0.000022	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999935	Status:	OK.
Std Error of Est:	0.000034		
Predicted MDL:	3.025335		
Predicted MQL:	10.084449		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00506	-.005	.000	.00209	.000	1
CalibStd=100	1000.0	1013.2	13.2	1.32	.02457	.001	1
CalibStd=100	100.00	100.52	.524	.524	.00432	.000	1
CalibStd=100	10000.	10359.	359.	3.59	.23197	.009	1
CalibStd-100	100000.	99628.	-372.	-.372	2.2133	.081	1

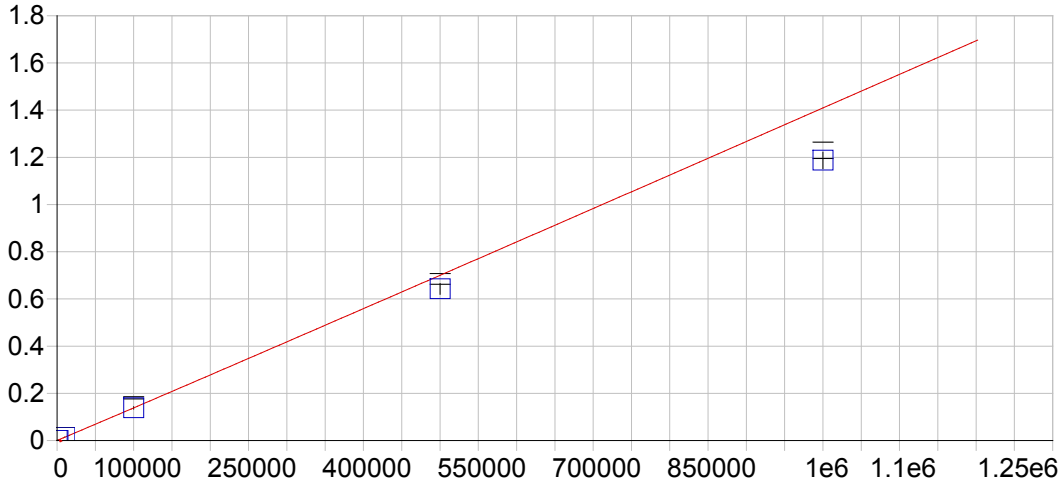


Cu 327.396 {103}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000276	Re-Slope:	1.000000
A1 (Gain):	0.000009	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999957	Status:	OK.
Std Error of Est:	0.000005		
Predicted MDL:	8.560235		
Predicted MQL:	28.534116		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00812	-.008	.000	-.00028	.000	1
CalibStd=20	20.000	23.433	3.43	17.2	-.00006	.000	1
CalibStd=50	50.000	57.933	7.93	15.9	.00026	.000	1
CalibStd=100	100.00	105.19	5.19	5.19	.00070	.000	1
CalibStd=100	1000.0	1000.7	.745	.075	.00900	.000	1
CalibStd=100	10000.	10259.	259.	2.59	.09480	.003	1
CalibStd-100	100000.	99724.	-276.	-.276	.92391	.038	1

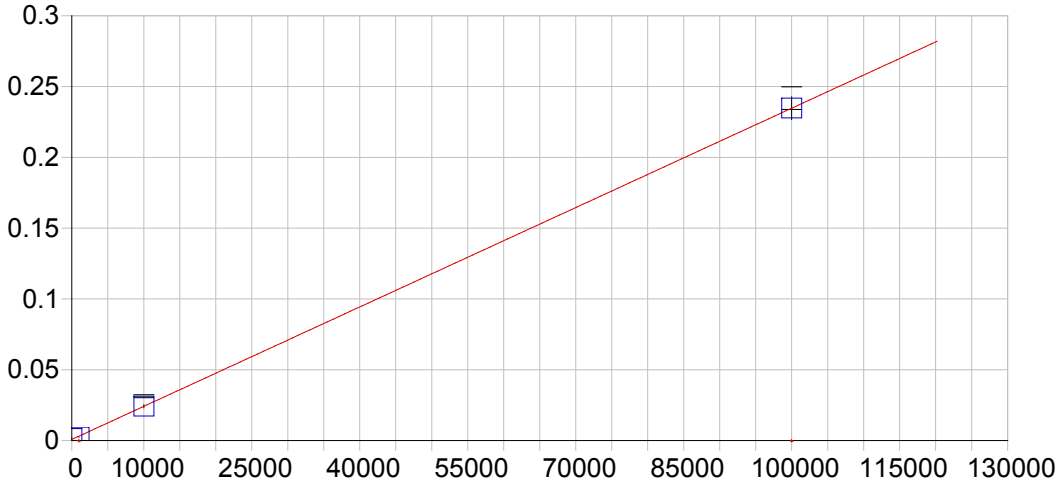


Fe 234.349 {144}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Full Fit	Weighting:	1/Conc

A0 (Offset):	0.000808	Re-Slope:	1.000000
A1 (Gain):	0.000001	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.010000		
Correlation:	0.999895	Status:	OK.
Std Error of Est:	0.000039		
Predicted MDL:	12.975734		
Predicted MQL:	43.252448		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.53399	.534	.000	.00081	.000	1
CalibStd=100	10000.	10019.	19.2	.192	.01428	.001	1
CalibStd=500	500000.	459270.	-40700.	-8.15	.64257	.022	1
CalibStd-100	1000000.	843960.	-156000.	-15.6	1.1873	.035	1
CalibStd=100	1000.0	491.57	-508.	-50.8	.00145	.000	1
CalibStd-100	100000.	99990.	-9.66	-.010	.13841	.005	1

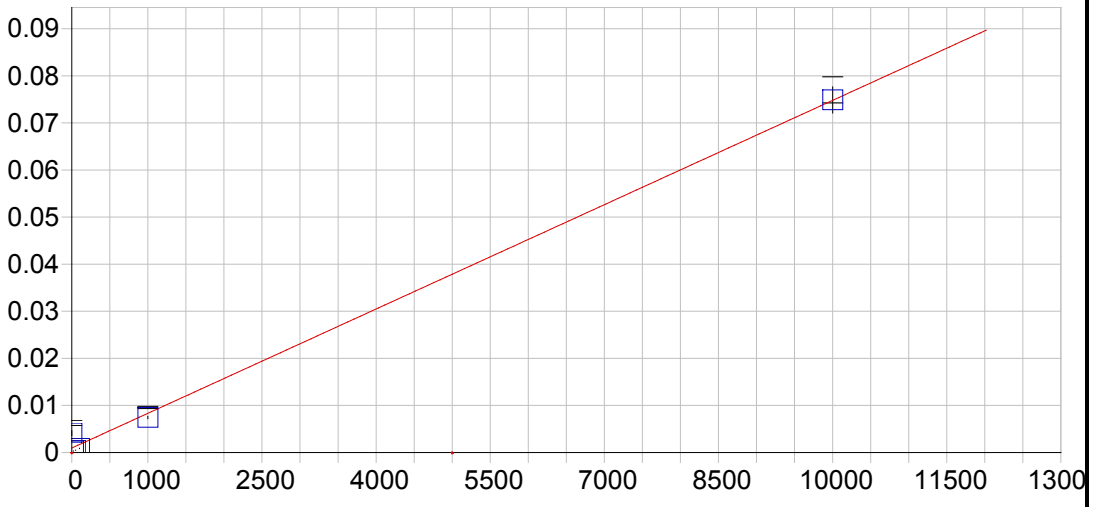


Fe 239.562 {141}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000759	Re-Slope:	1.000000
A1 (Gain):	0.000002	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999989	Status:	OK.
Std Error of Est:	0.000642		
Predicted MDL:	7.116519		
Predicted MQL:	23.721729		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	255.00	255.	.000	.00136	.000	1
CalibStd=100	1000.0	709.64	-290.	-29.0	.00242	.000	1
CalibStd=100	10000.	10036.	36.1	.361	.02424	.001	1
CalibStd-100	100000.	99999.	-.702	-.001	.23471	.008	1

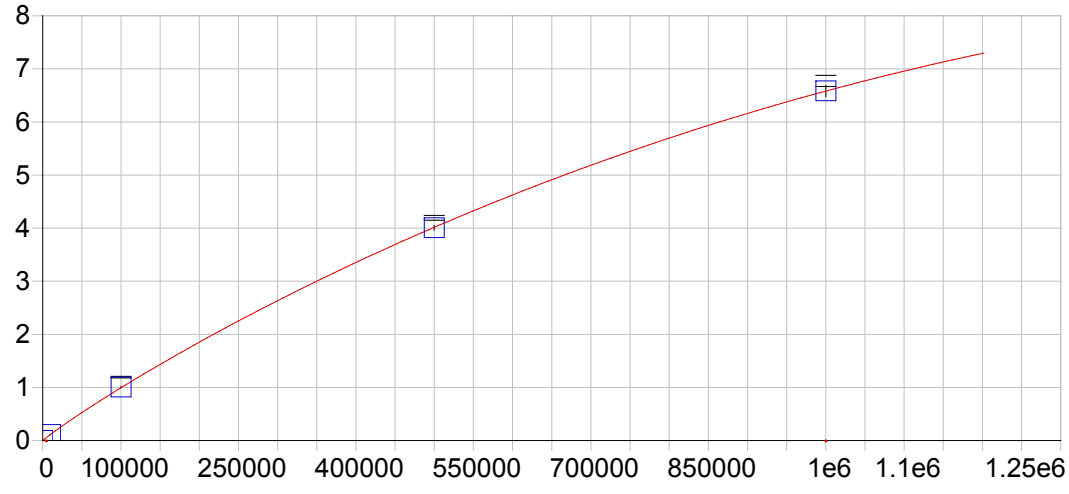


Fe 259.940 {130}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000945	Re-Slope:	1.000000
A1 (Gain):	0.000007	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998527	Status:	OK.
Std Error of Est:	0.001796		
Predicted MDL:	4.210746		
Predicted MQL:	14.035821		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	432.13	432.	.000	.00414	.001	1
CalibStd=100	1000.0	880.40	-120.	-12.0	.00745	.000	1
CalibStd=50	50.000	-63.182	-113.	-226.	.00048	.000	1
CalibStd=100	100.00	-8.6634	-109.	-109.	.00088	.000	1
CalibStd=20	20.000	-84.511	-105.	-523.	.00032	.000	1
CalibStd=100	10000.	10014.	13.8	.138	.07489	.003	1

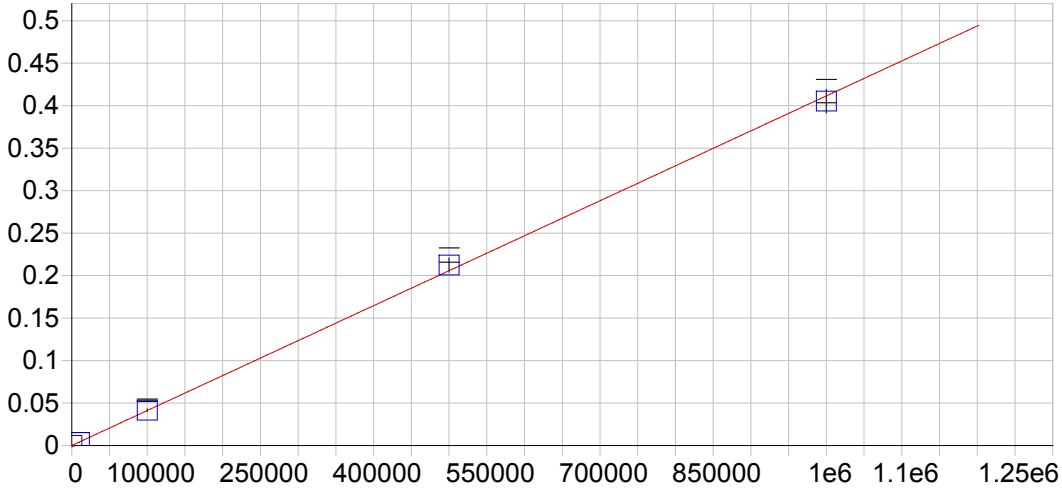


Mg 202.582 {466}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Full Fit	Weighting:	1/Conc

A0 (Offset):	0.000231	Re-Slope:	1.000000
A1 (Gain):	0.000020	Y-int:	0.000000
A2 (Curvature):	-0.000000		
n (Exponent):	0.940000		
Correlation:	0.999976	Status:	OK.
Std Error of Est:	0.000456		
Predicted MDL:	0.870575		
Predicted MQL:	2.901916		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.18811	.188	.000	.00023	.000	1
CalibStd=500	500000.	498560.	-1440.	-.288	4.0065	.045	1
CalibStd=100	10000.	9525.2	-475.	-4.75	.11228	.001	1
CalibStd-100	1000000.	1000900.	904.	.090	6.5844	.105	1
CalibStd-100	100000.	101240.	1240.	1.24	1.0054	.015	1

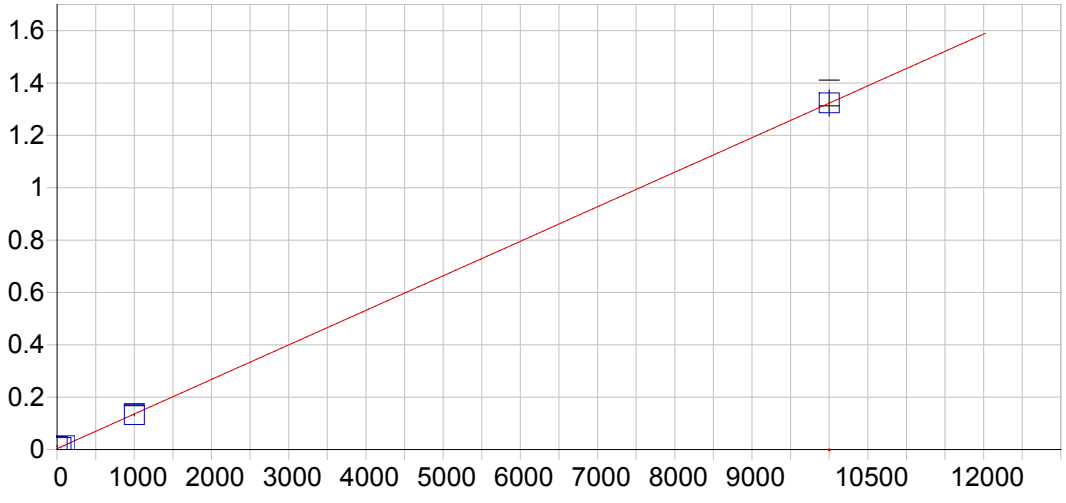


Mg 279.079 {121}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000047	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999680	Status:	OK.
Std Error of Est:	0.000054		
Predicted MDL:	46.416749		
Predicted MQL:	154.722498		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	1.4691	1.47	.000	.00005	.000	1
CalibStd=500	500000.	516000.	16000.	3.20	.21234	.008	1
CalibStd=100	10000.	8294.2	-1710.	-17.1	.00346	.000	1
CalibStd-100	1000000.	985050.	-15000.	-1.50	.40532	.014	1
CalibStd-100	100000.	100660.	663.	.663	.04146	.001	1

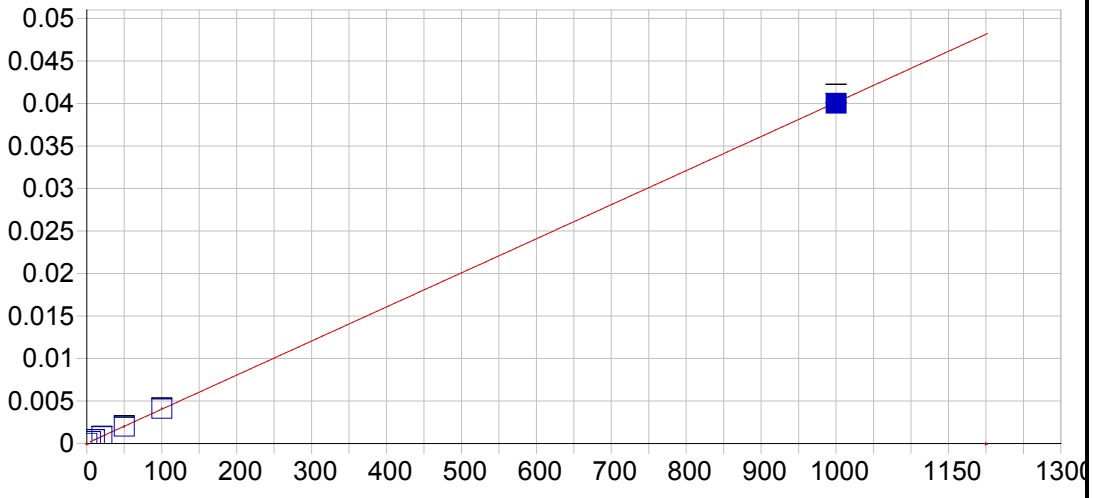


Mg 280.270 {120}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.003915	Re-Slope:	1.000000
A1 (Gain):	0.000132	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999957	Status:	OK.
Std Error of Est:	0.006158		
Predicted MDL:	0.172555		
Predicted MQL:	0.575185		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	69.228	69.2	.000	.01305	.001	1
CalibStd=100	1000.0	975.68	-24.3	-2.43	.13265	.004	1
CalibStd=100	10000.	10003.	2.78	.028	1.3237	.049	1
CalibStd=100	100.00	77.881	-22.1	-22.1	.01419	.000	1
CalibStd=50	50.000	24.428	-25.6	-51.1	.00714	.000	1

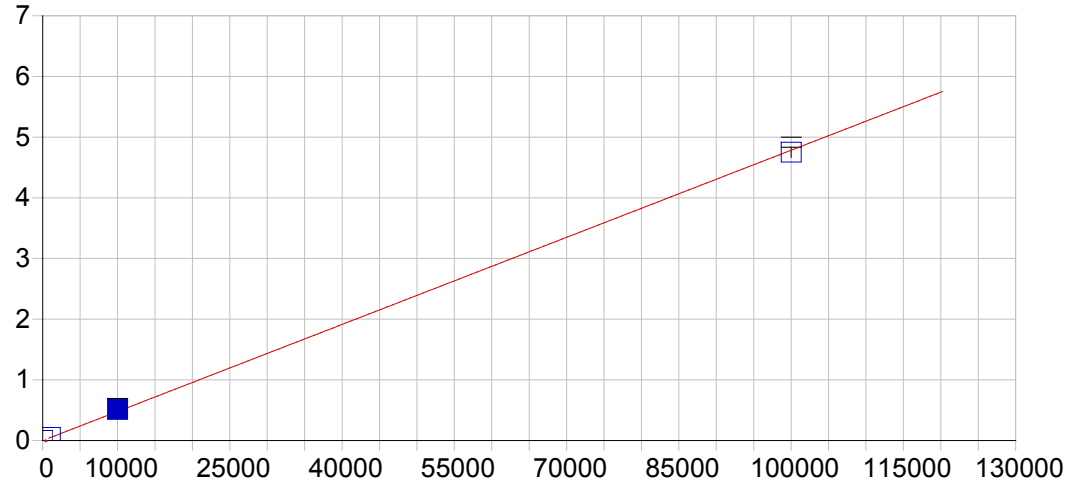


Mn 257.610 {131}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000028	Re-Slope:	1.000000
A1 (Gain):	0.000040	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999960	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	0.574894		
Predicted MQL:	1.916315		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00040	.000	.000	.00003	.000	1
CalibStd=10	10.000	10.531	.531	5.31	.00045	.000	1
CalibStd=50	50.000	49.574	-.426	-.852	.00202	.000	1
CalibStd=20	20.000	20.132	.132	.659	.00084	.000	1
CalibStd=100	100.00	102.34	2.34	2.34	.00413	.000	1
CalibStd=5	5.0000	5.0413	.041	.827	.00023	.000	1
CalibStd=100	1000.0	997.38	-2.62	-.262	.04002	.001	1

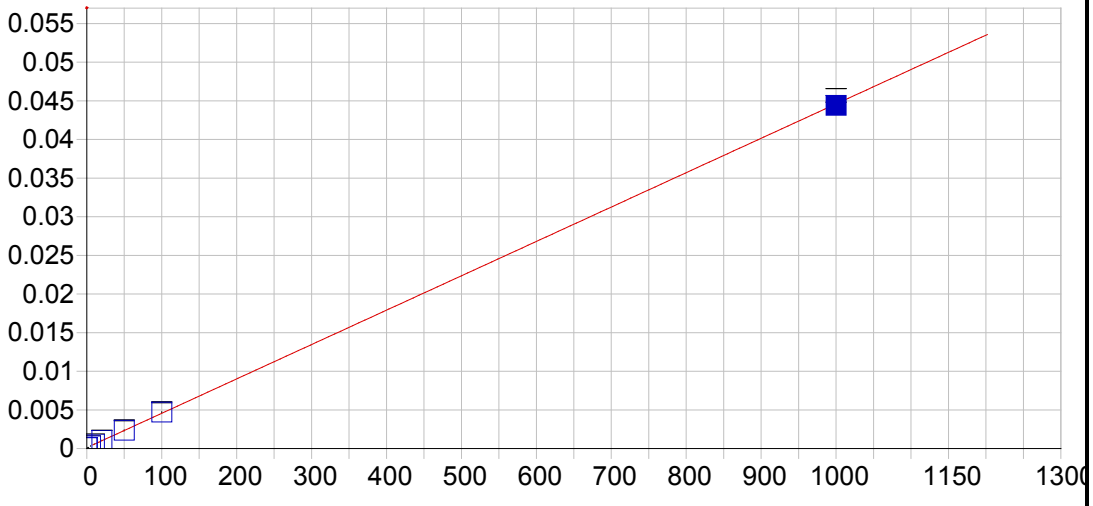


Mn 259.373 {130}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000048	Re-Slope:	1.000000
A1 (Gain):	0.000048	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999782	Status:	OK.
Std Error of Est:	0.000470		
Predicted MDL:	0.782938		
Predicted MQL:	2.609793		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.10979	-.110	.000	.00004	.000	1
CalibStd=100	10000.	10638.	638.	6.38	.50963	.019	1
CalibStd-100	100000.	99308.	-692.	-.692	4.7509	.083	1
CalibStd=100	1000.0	1052.9	52.9	5.29	.05042	.001	1

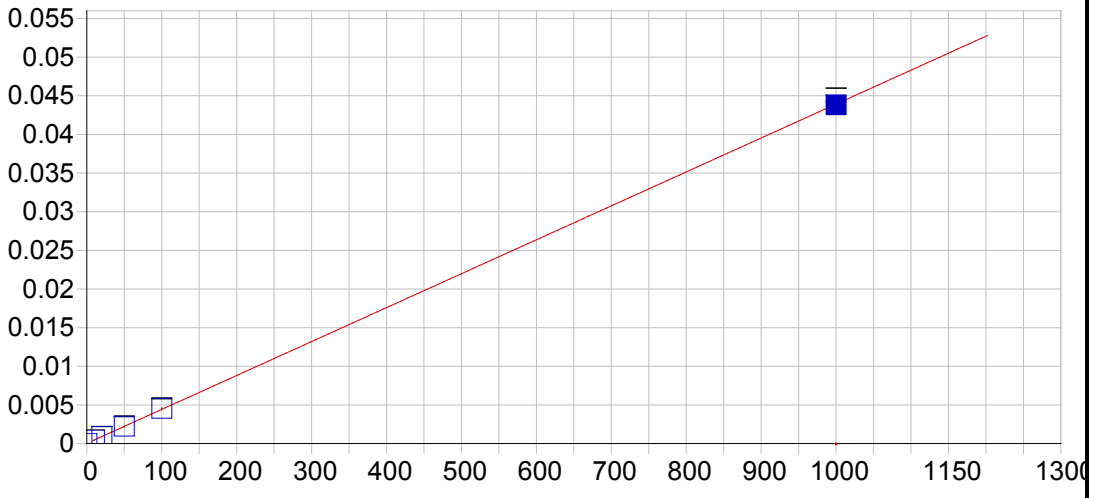


Mo 203.844 {465}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000113	Re-Slope:	1.000000
A1 (Gain):	0.000044	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999797	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	0.435933		
Predicted MQL:	1.453111		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00037	.000	.000	.00011	.000	1
CalibStd=50	50.000	50.267	.267	.533	.00235	.000	1
CalibStd=1	1.0000	.52454	-.475	-47.5	.00014	.000	1
CalibStd=20	20.000	21.392	1.39	6.96	.00106	.000	1
CalibStd=10	10.000	10.564	.564	5.64	.00058	.000	1
CalibStd=100	100.00	102.99	2.99	2.99	.00469	.000	1
CalibStd=5	5.0000	4.7246	-.275	-5.51	.00032	.000	1
CalibStd=100	1000.0	995.54	-4.46	-.446	.04440	.001	1

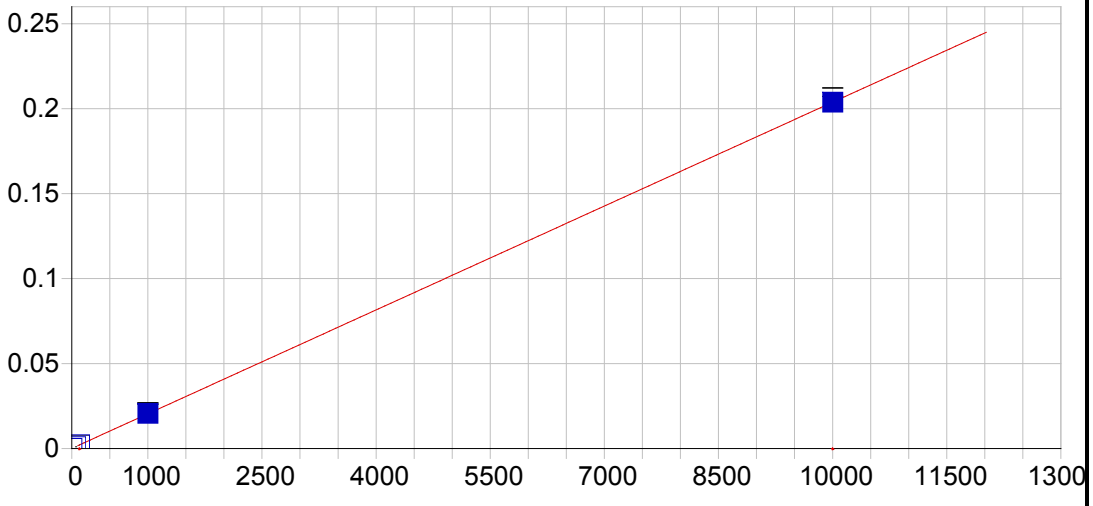


Mo 202.030 {467}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000026	Re-Slope:	1.000000
A1 (Gain):	0.000044	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999962	Status:	OK.
Std Error of Est:	0.000002		
Predicted MDL:	0.292377		
Predicted MQL:	0.974591		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00004	.000	.000	.00003	.000	1
CalibStd=50	50.000	49.904	-.096	-.192	.00222	.000	1
CalibStd=20	20.000	20.157	.157	.786	.00091	.000	1
CalibStd=10	10.000	9.7300	-.270	-2.70	.00045	.000	1
CalibStd=100	100.00	102.74	2.74	2.74	.00454	.000	1
CalibStd=100	1000.0	997.47	-2.53	-.253	.04382	.001	1

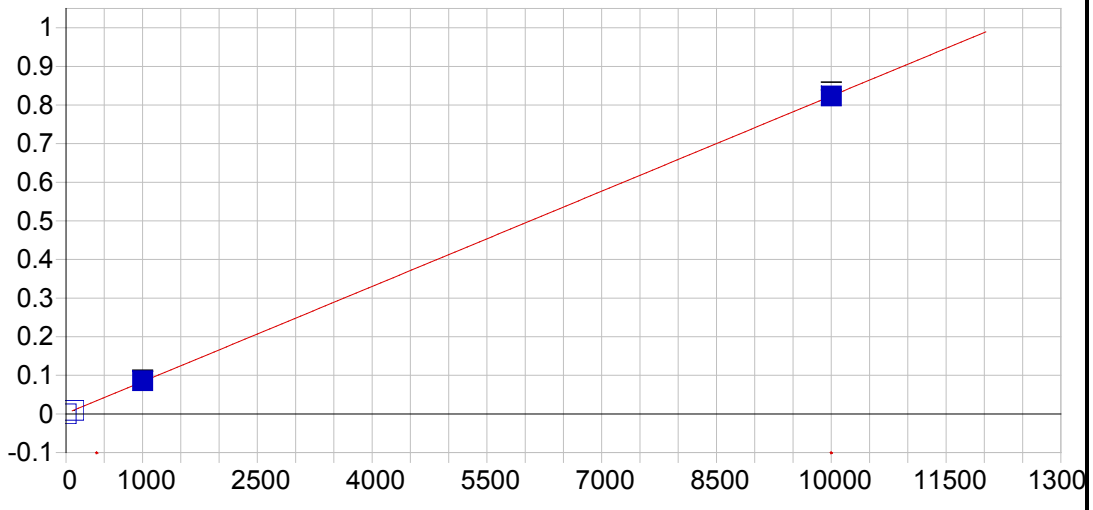


Mo 204.598 {465}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000084	Re-Slope:	1.000000
A1 (Gain):	0.000020	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999999	Status:	OK.
Std Error of Est:	0.000108		
Predicted MDL:	0.697069		
Predicted MQL:	2.323563		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-3.7148	-3.71	.000	.00001	.000	1
CalibStd=100	1000.0	1007.7	7.74	.774	.02061	.000	1
CalibStd=100	10000.	9999.2	-.757	-.008	.20378	.002	1
CalibStd=50	50.000	46.862	-3.14	-6.28	.00104	.000	1
CalibStd=100	100.00	99.871	-.129	-.129	.00212	.000	1

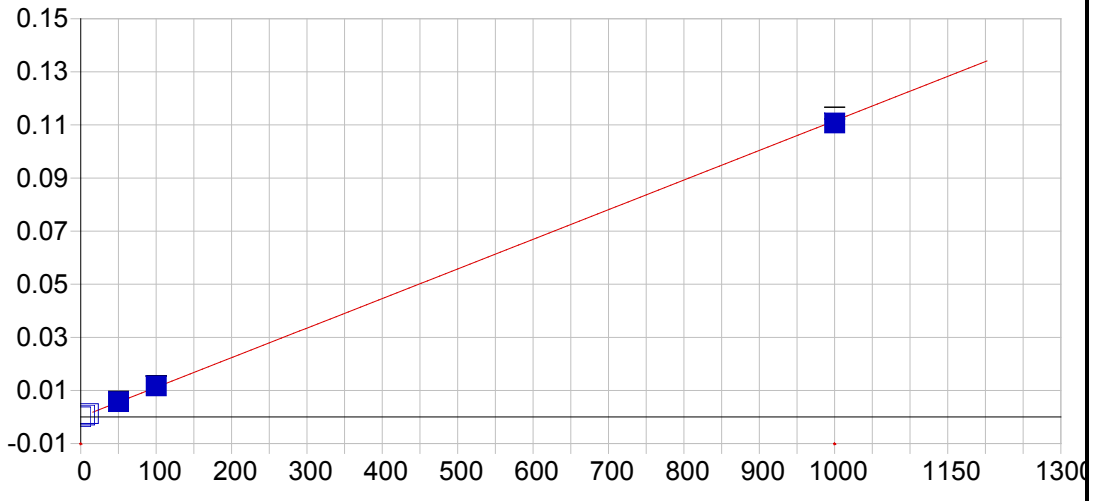


Ni 221.647 {452}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear
Weighting:	None		

A0 (Offset):	0.001367	Re-Slope:	1.000000
A1 (Gain):	0.000082	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999992	Status:	OK.
Std Error of Est:	0.001919		
Predicted MDL:	0.342381		
Predicted MQL:	1.141270		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-16.949	-16.9	.000	-.00003	.000	1
CalibStd=100	10000.	9997.4	-2.64	-.026	.82306	.010	1
CalibStd=100	100.00	92.412	-7.59	-7.59	.00896	.000	1
CalibStd=100	1000.0	1027.2	27.2	2.72	.08579	.002	1

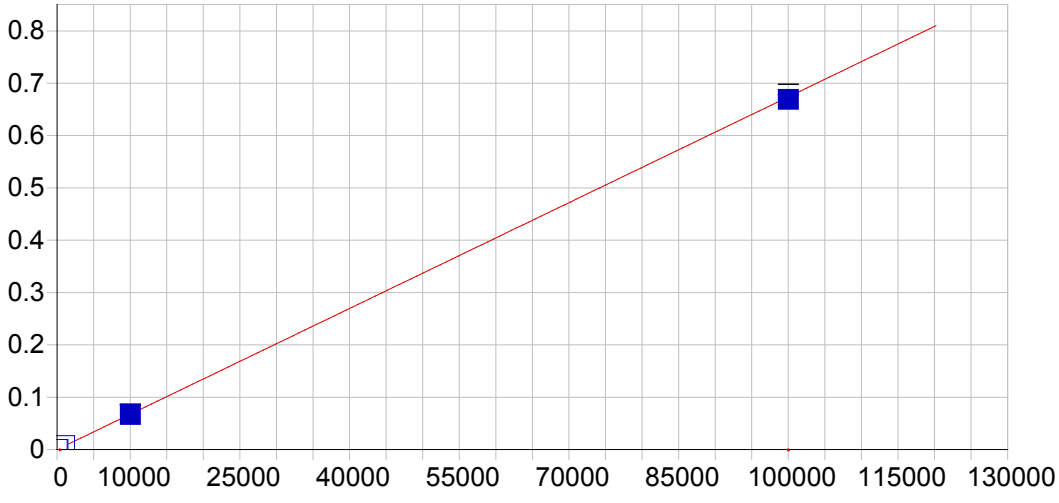


Ni 231.604 {445}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000010	Re-Slope:	1.000000
A1 (Gain):	0.000112	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999715	Status:	OK.
Std Error of Est:	0.000008		
Predicted MDL:	0.327719		
Predicted MQL:	1.092395		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00199	-.002	.000	.00001	.000	1
CalibStd=50	50.000	51.262	1.26	2.52	.00573	.000	1
CalibStd=10	10.000	11.025	1.02	10.2	.00124	.000	1
CalibStd=100	100.00	104.34	4.34	4.34	.01165	.000	1
CalibStd=5	5.0000	6.1773	1.18	23.5	.00070	.000	1
CalibStd=100	1000.0	992.19	-7.81	-.781	.11067	.002	1

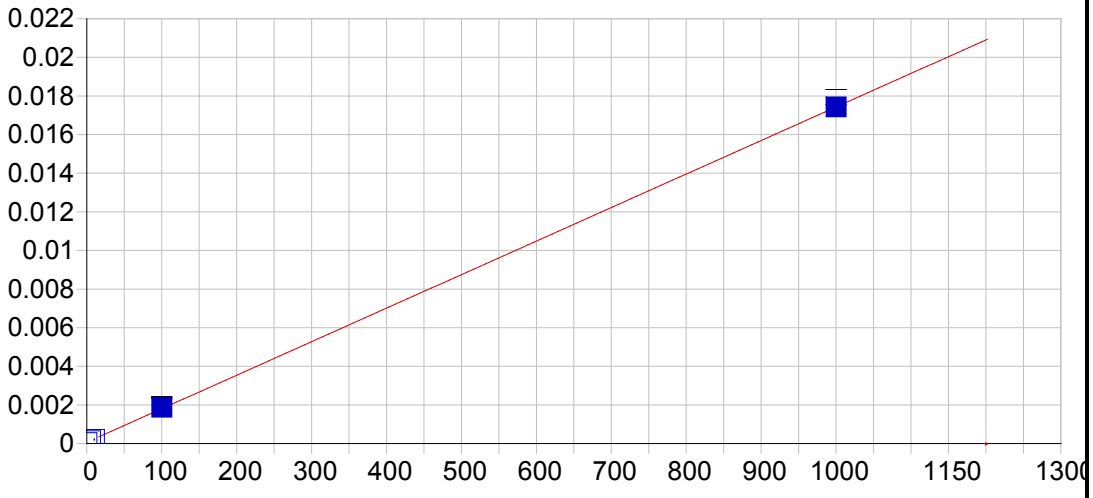


Pb 216.999 {455}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Curvilinear	Weighting:	1/Conc

A0 (Offset):	0.000038	Re-Slope:	1.000000
A1 (Gain):	0.000007	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999956	Status:	OK.
Std Error of Est:	0.000010		
Predicted MDL:	3.222833		
Predicted MQL:	10.742775		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.02524	-.025	.000	.00004	.000	1
CalibStd=100	1000.0	1070.4	70.4	7.04	.00726	.000	1
CalibStd=100	10000.	9893.9	-106.	-1.06	.06677	.001	1
CalibStd-100	100000.	99270.	-730.	-.730	.66893	.010	1
CalibStd=100	100.00	119.17	19.2	19.2	.00084	.000	1

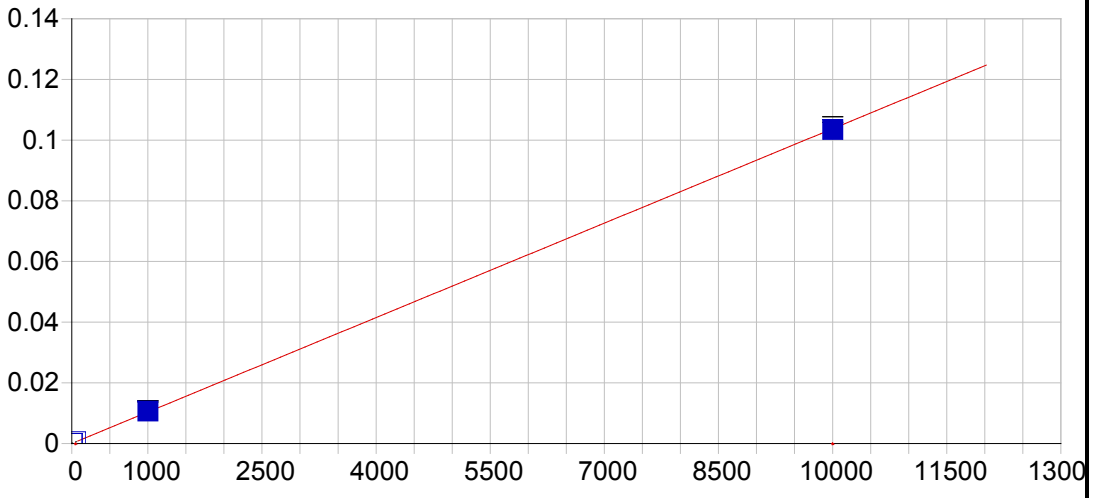


Pb 220.353 {453}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000065	Re-Slope:	1.000000
A1 (Gain):	0.000017	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999986	Status:	OK.
Std Error of Est:	0.000046		
Predicted MDL:	1.185655		
Predicted MQL:	3.952185		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-1.2984	-1.30	.000	.00004	.000	1
CalibStd=10	10.000	8.4144	-1.59	-15.9	.00021	.000	1
CalibStd=100	100.00	103.97	3.97	3.97	.00187	.000	1
CalibStd=5	5.0000	4.2909	-.709	-14.2	.00014	.000	1
CalibStd=100	1000.0	999.62	-.378	-.038	.01742	.000	1

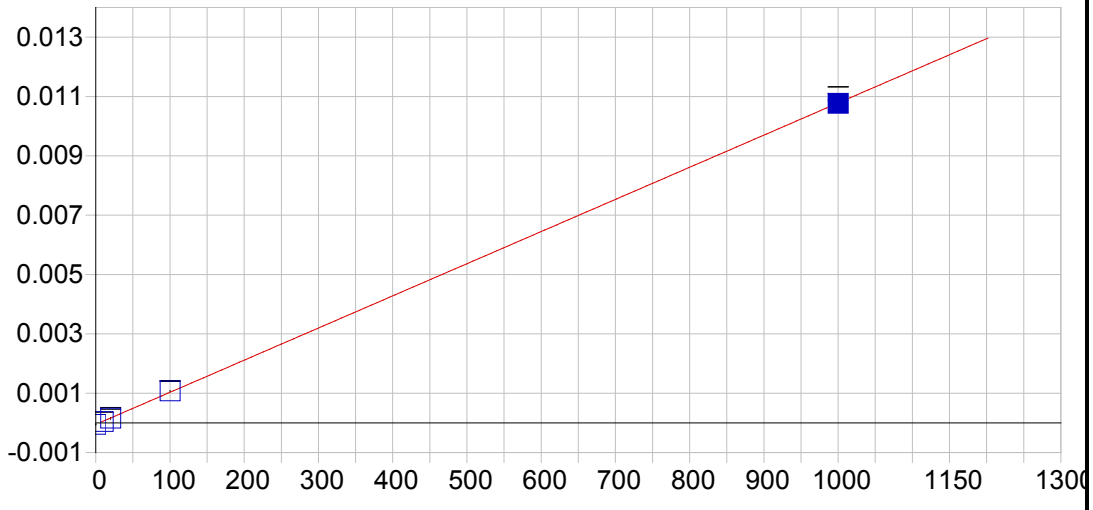


Sb 206.833 {463}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000023	Re-Slope:	1.000000
A1 (Gain):	0.000010	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999955	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	1.586229		
Predicted MQL:	5.287431		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00212	-.002	.000	.00002	.000	1
CalibStd=100	1000.0	1023.2	23.2	2.32	.01064	.000	1
CalibStd=10	10.000	11.258	1.26	12.6	.00014	.000	1
CalibStd=50	50.000	53.295	3.29	6.59	.00058	.000	1
CalibStd=100	10000.	9972.2	-27.8	-.278	.10347	.001	1

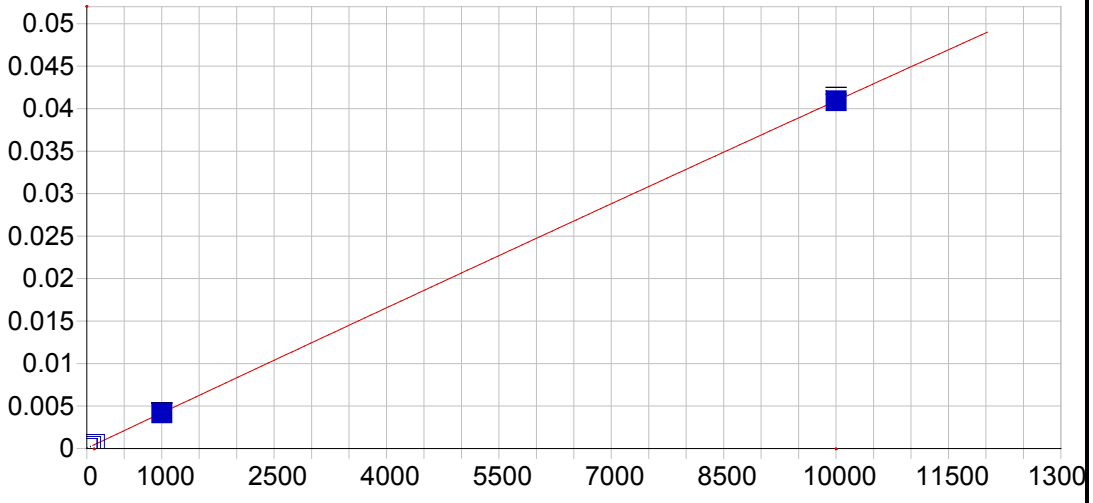


Sb 217.581 {455}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000053	Re-Slope:	1.000000
A1 (Gain):	0.000011	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999830	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	2.221016		
Predicted MQL:	7.403387		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00146	.001	.000	-.00005	.000	1
CalibStd=100	1000.0	998.40	-1.60	-.160	.01076	.000	1
CalibStd=20	20.000	19.152	-.848	-4.24	.00015	.000	1
CalibStd=10	10.000	8.5937	-1.41	-14.1	.00004	.000	1
CalibStd=100	100.00	103.85	3.85	3.85	.00107	.000	1

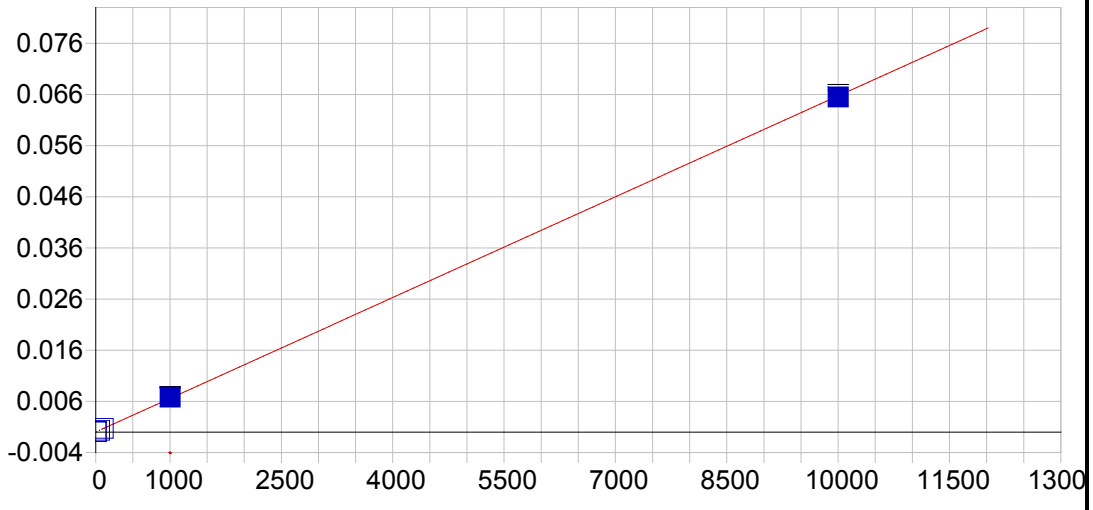


Se 196.090 {172}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Curvilinear	Weighting:	1/Conc

A0 (Offset):	0.000033	Re-Slope:	1.000000
A1 (Gain):	0.000004	Y-int:	0.000000
A2 (Curvature):	-0.000000		
n (Exponent):	1.000000		
Correlation:	0.999894	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	6.583630		
Predicted MQL:	21.945435		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00418	.004	.000	.00003	.000	1
CalibStd=50	50.000	49.277	-.723	-1.45	.00024	.000	1
CalibStd=100	1000.0	1000.5	.458	.046	.00419	.000	1
CalibStd=10	10.000	5.4769	-4.52	-45.2	.00006	.000	1
CalibStd=100	100.00	104.88	4.88	4.88	.00047	.000	1
CalibStd=100	10000.	9999.9	-.089	-.001	.04091	.000	1

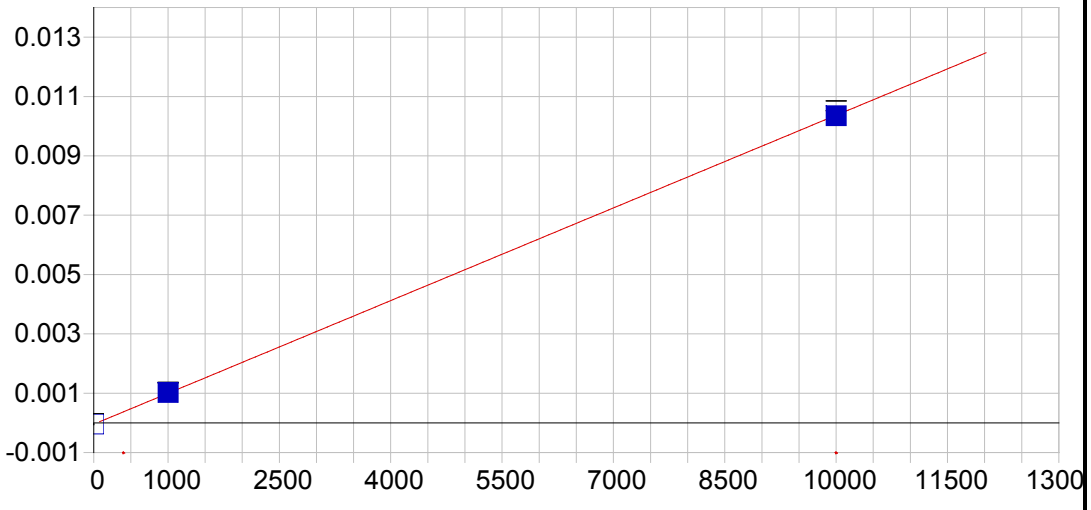


Se 196.090 {472}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000011	Re-Slope:	1.000000
A1 (Gain):	0.000007	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999933	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	2.312570		
Predicted MQL:	7.708565		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00042	.000	.000	.00001	.000	1
CalibStd=50	50.000	50.666	.666	1.33	.00034	.000	1
CalibStd=100	1000.0	1032.1	32.1	3.21	.00679	.000	1
CalibStd=10	10.000	9.4686	-.531	-5.31	.00007	.000	1
CalibStd=100	100.00	105.34	5.34	5.34	.00070	.000	1
CalibStd=100	10000.	9962.5	-37.5	-.375	.06546	.001	1

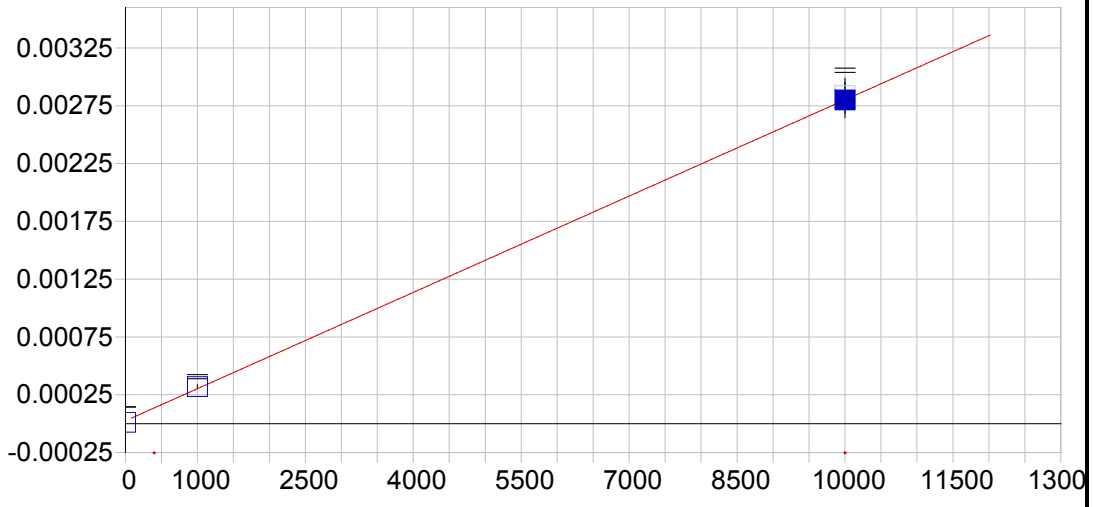


Se 206.279 {463}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000045	Re-Slope:	1.000000
A1 (Gain):	0.000001	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999975	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	22.531933		
Predicted MQL:	75.106444		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.02011	-.020	.000	-.00004	.000	1
CalibStd=100	1000.0	1022.3	22.3	2.23	.00102	.000	1
CalibStd=100	10000.	9977.7	-22.3	-.223	.01035	.000	1

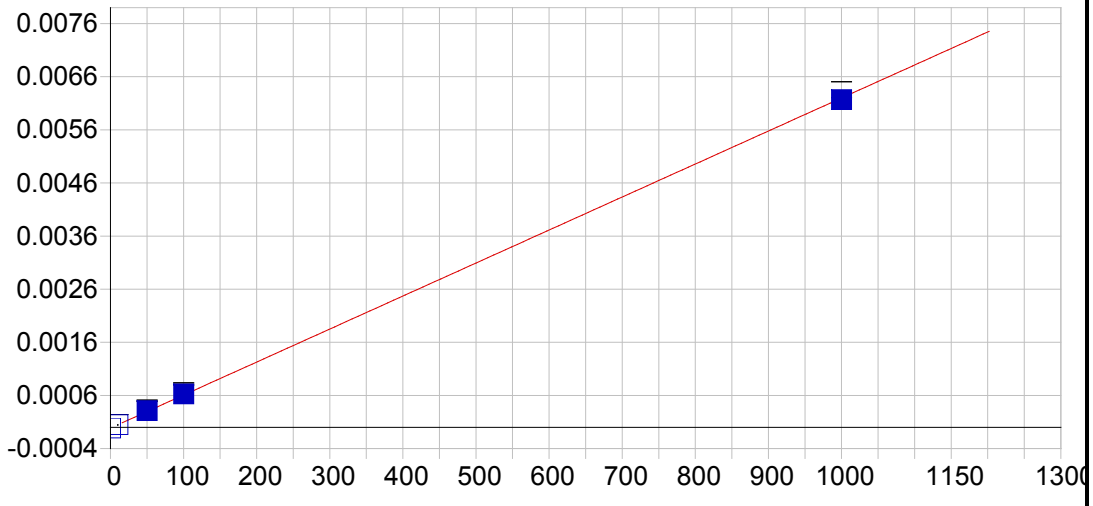


Tl 276.787 {122}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000025	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999949	Status:	OK.
Std Error of Est:	0.000022		
Predicted MDL:	146.941186		
Predicted MQL:	489.803952		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-53.322	-53.3	.000	.00001	.000	1
CalibStd=100	1000.0	1059.2	59.2	5.92	.00032	.000	1
CalibStd=100	10000.	9994.2	-5.84	-.058	.00284	.000	1

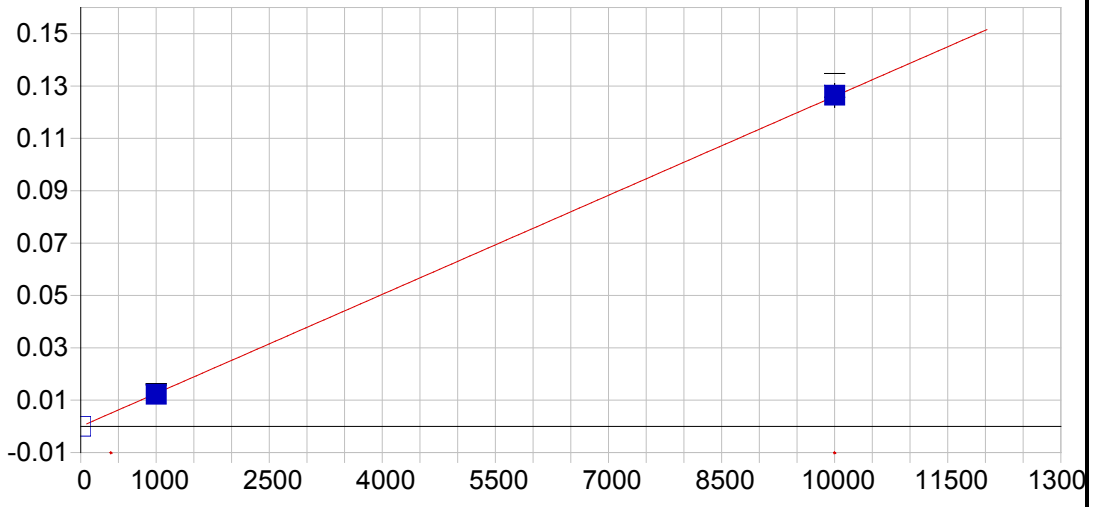


Tl 190.856 {477}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000015	Re-Slope:	1.000000
A1 (Gain):	0.000006	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999898	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	1.729950		
Predicted MQL:	5.766501		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00060	-.001	.000	-.00001	.000	1
CalibStd=50	50.000	52.283	2.28	4.57	.00031	.000	1
CalibStd=100	1000.0	994.63	-5.37	-.537	.00617	.000	1
CalibStd=100	100.00	103.21	3.21	3.21	.00063	.000	1
CalibStd=10	10.000	9.8802	-.120	-1.20	.00005	.000	1

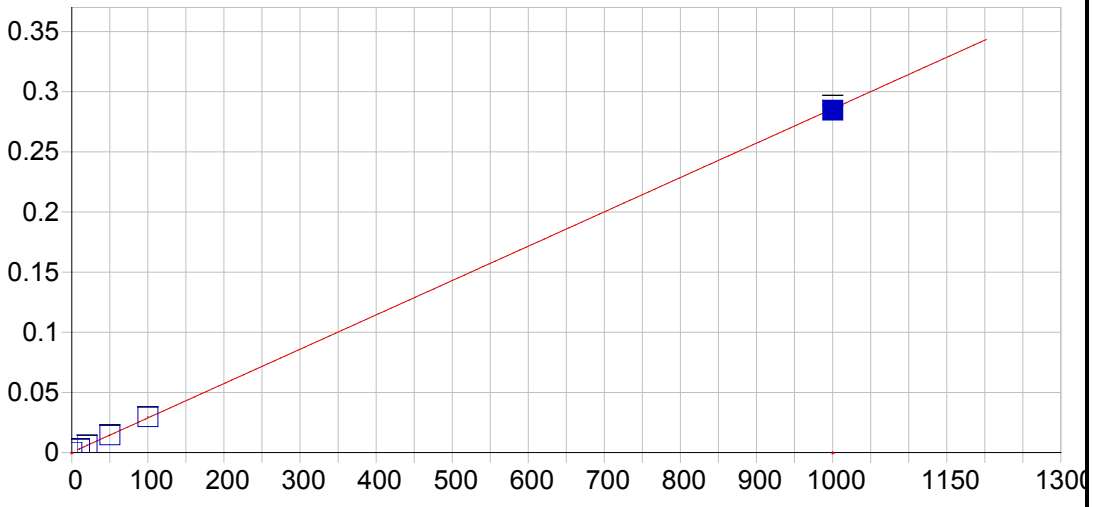


V 290.882 {116}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000032	Re-Slope:	1.000000
A1 (Gain):	0.000013	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999964	Status:	OK.
Std Error of Est:	0.000019		
Predicted MDL:	5.135390		
Predicted MQL:	17.117966		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.02417	.024	.000	-.00003	.000	1
CalibStd=100	1000.0	973.15	-26.9	-2.69	.01224	.000	1
CalibStd=100	10000.	10027.	26.9	.269	.12643	.005	1

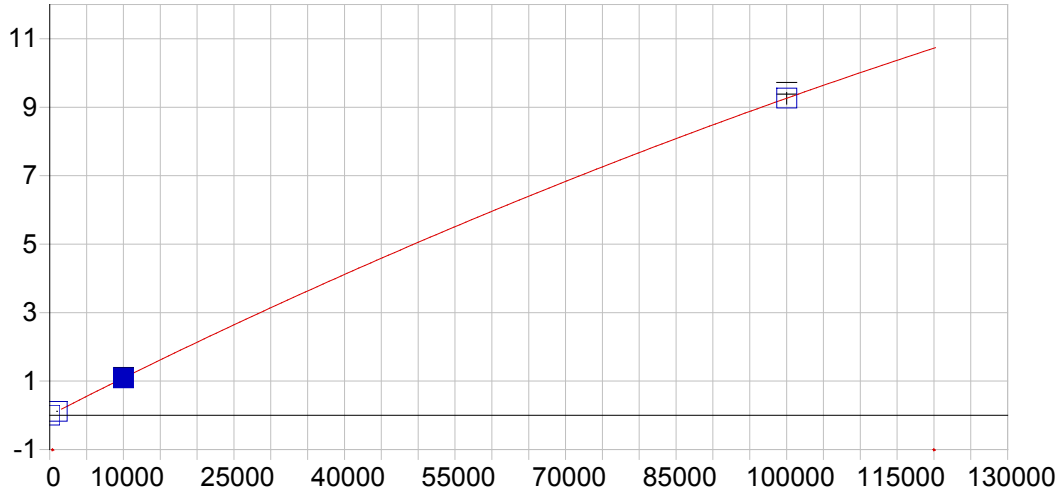


V 292.402 {115}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000210	Re-Slope:	1.000000
A1 (Gain):	0.000286	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999935	Status:	OK.
Std Error of Est:	0.000014		
Predicted MDL:	0.510754		
Predicted MQL:	1.702514		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00083	-.001	.000	.00021	.000	1
CalibStd=50	50.000	50.167	.167	.334	.01454	.000	1
CalibStd=100	1000.0	995.73	-4.27	-.427	.28455	.004	1
CalibStd=20	20.000	20.765	.765	3.82	.00614	.000	1
CalibStd=10	10.000	10.137	.137	1.37	.00310	.000	1
CalibStd=100	100.00	103.20	3.20	3.20	.02968	.000	1

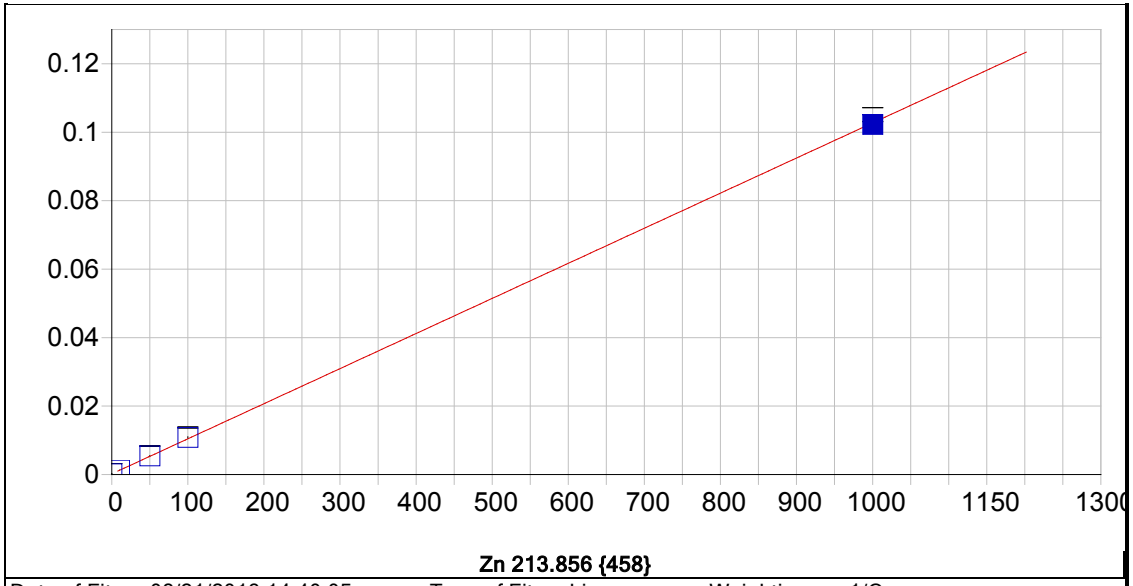


Zn 206.200 {463}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Full Fit	Weighting:	None

A0 (Offset):	-0.000068	Re-Slope:	1.000000
A1 (Gain):	0.000121	Y-int:	0.000000
A2 (Curvature):	-0.000000		
n (Exponent):	0.990000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	0.150069		
Predicted MQL:	0.500230		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd=100	10000.	10000.	.188	.002	1.0909	.014	1
Blank	.00000	1.3040	1.30	.000	.00009	.000	1
CalibStd=100	1000.0	998.41	-1.59	-.159	.11289	.002	1
CalibStd-100	100000.	100000.	-.002	.000	9.2616	.170	1

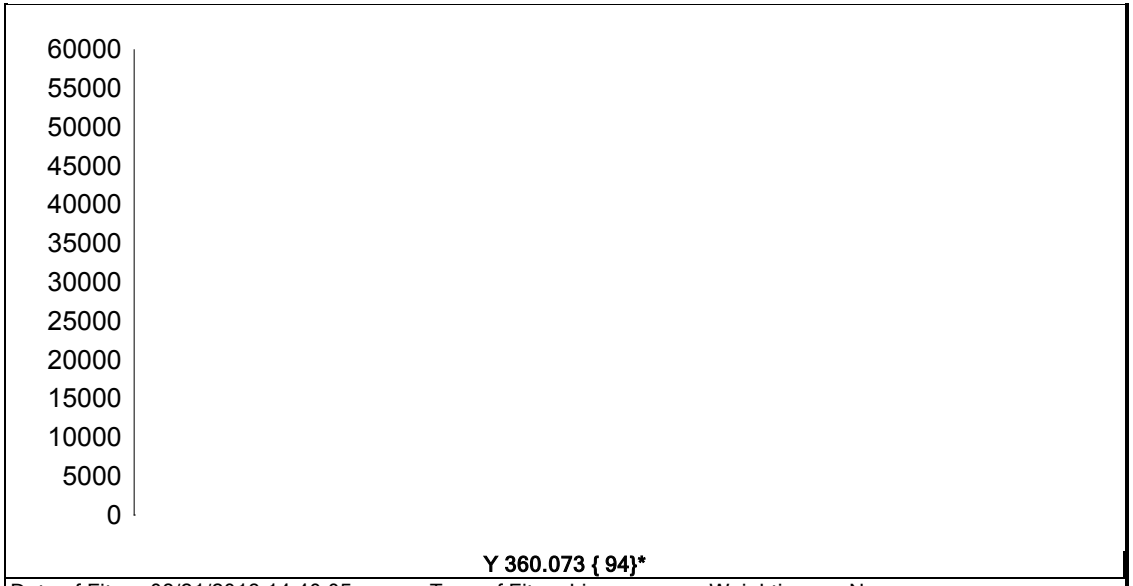


Zn 213.856 {458}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000189	Re-Slope:	1.000000
A1 (Gain):	0.000103	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999910	Status:	OK.
Std Error of Est:	0.000006		
Predicted MDL:	0.136934		
Predicted MQL:	0.456446		

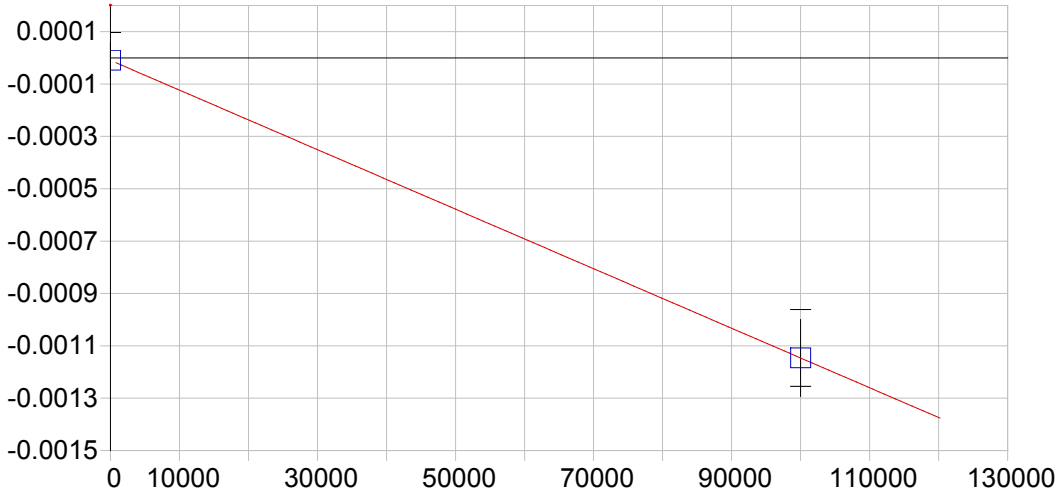
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00107	-.001	.000	.00019	.000	1
CalibStd=100	100.00	103.67	3.67	3.67	.01082	.000	1
CalibStd=50	50.000	50.785	.785	1.57	.00540	.000	1
CalibStd=10	10.000	10.601	.601	6.01	.00128	.000	1
CalibStd=100	1000.0	994.94	-5.06	-.506	.10221	.002	1



Y 360.073 { 94}*

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	49516.	354.	1



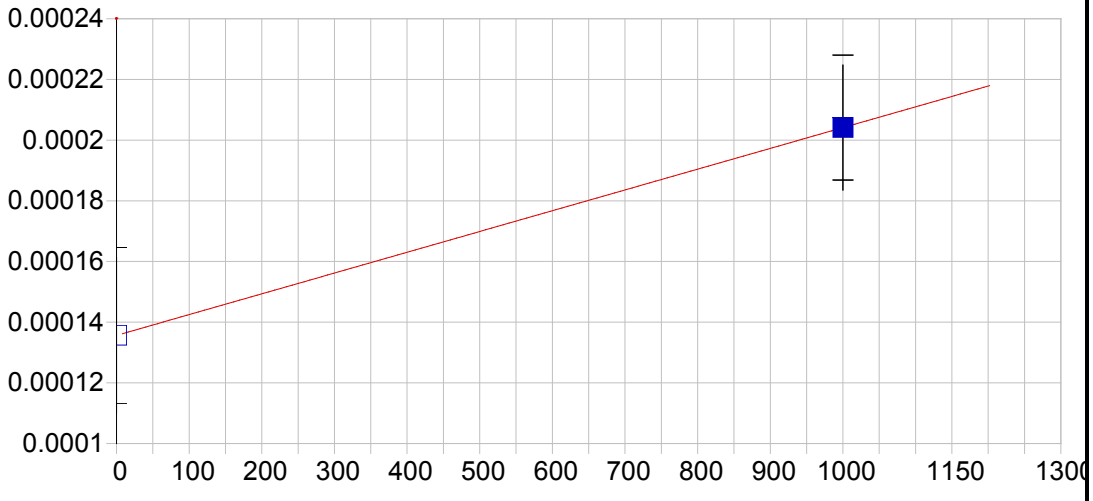
Na 330.298 {102}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000010	Re-Slope:	1.000000
A1 (Gain):	-0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	1.000000	Status:	Warning
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Negative Gain

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	-.00001	.000	1
CalibStd-100	100000.	100000.	.000	.000	-.00115	.000	1

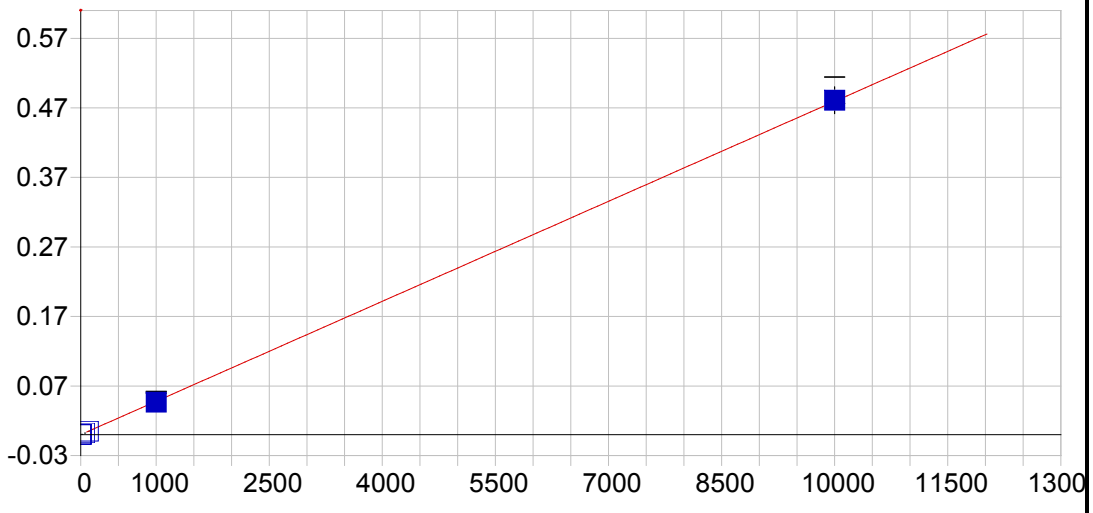


Si 251.611 {134}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000136	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	549.260824		
Predicted MQL:	1830.869412		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00014	.000	1
CalibStd=100	1000.0	1000.00	.000	.000	.00020	.000	1

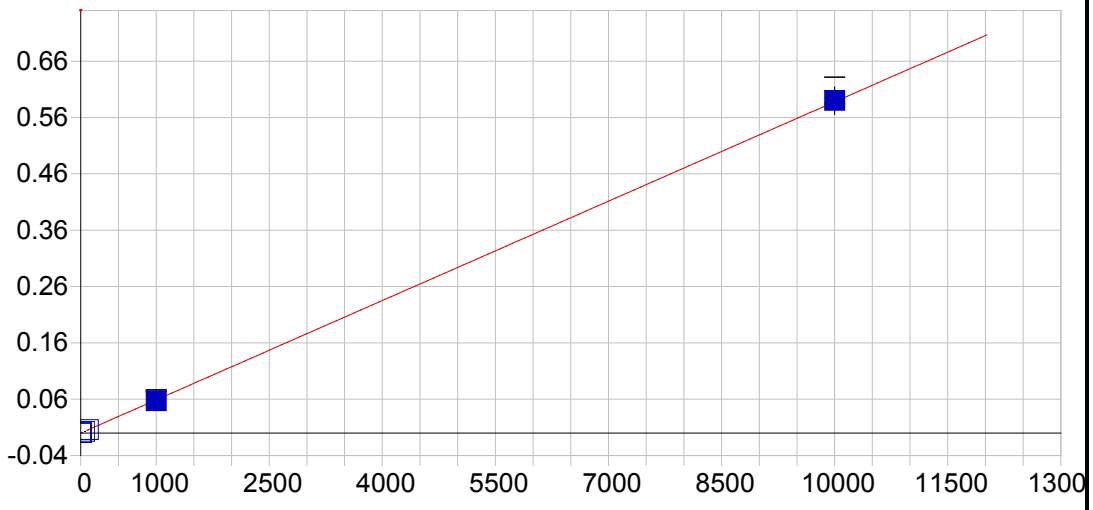


Ti 334.941 {101}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000043	Re-Slope:	1.000000
A1 (Gain):	0.000048	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999954	Status:	OK.
Std Error of Est:	0.000002		
Predicted MDL:	1.076182		
Predicted MQL:	3.587275		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00014	.000	.000	.00004	.000	1
CalibStd=10	10.000	9.7516	-.248	-2.48	.00051	.000	1
CalibStd=100	100.00	99.296	-.704	-.704	.00480	.000	1
CalibStd=100	1000.0	972.11	-27.9	-2.79	.04665	.001	1
CalibStd=100	10000.	10030.	30.5	.305	.48089	.019	1
CalibStd=50	50.000	47.908	-2.09	-4.18	.00234	.000	1
CalibStd=1	1.0000	1.1735	.174	17.4	.00010	.000	1
CalibStd=5	5.0000	5.3080	.308	6.16	.00030	.000	1

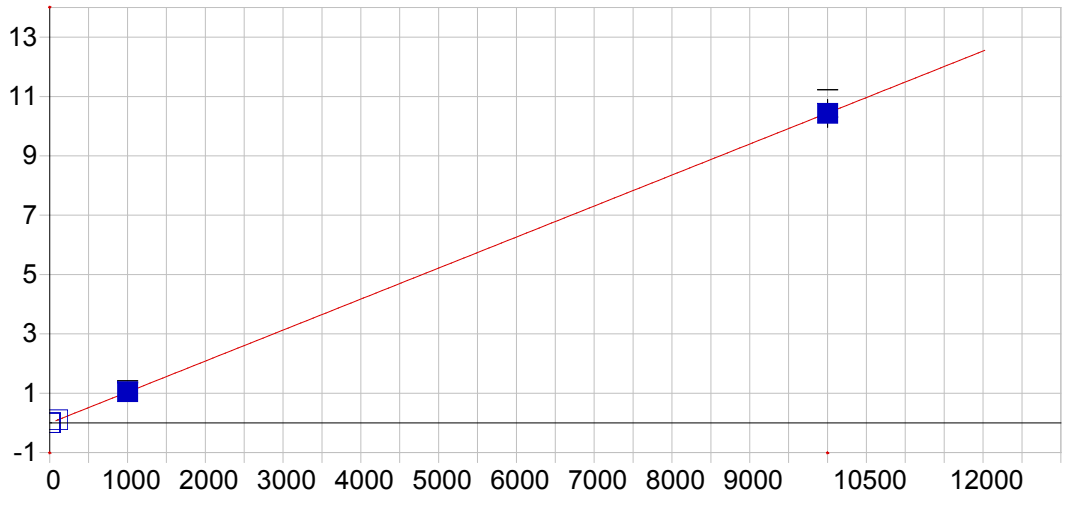


Ti 337.280 {100}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000075	Re-Slope:	1.000000
A1 (Gain):	0.000059	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999916	Status:	OK.
Std Error of Est:	0.000003		
Predicted MDL:	1.201928		
Predicted MQL:	4.006428		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00104	.001	.000	-.00007	.000	1
CalibStd=10	10.000	8.4512	-1.55	-15.5	.00042	.000	1
CalibStd=100	100.00	97.935	-2.07	-2.07	.00568	.000	1
CalibStd=100	1000.0	971.69	-28.3	-2.83	.05706	.002	1
CalibStd=100	10000.	10036.	36.0	.360	.59006	.024	1
CalibStd=50	50.000	47.359	-2.64	-5.28	.00271	.000	1
CalibStd=1	1.0000	.36613	-.634	-63.4	-.00005	.000	1
CalibStd=5	5.0000	4.2262	-.774	-15.5	.00017	.000	1

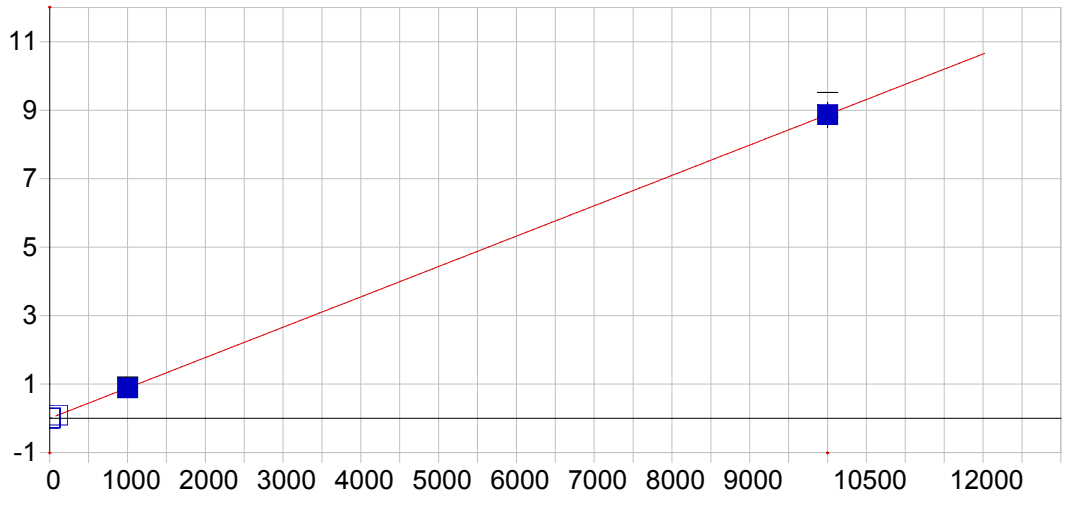


Sr 407.771 { 83}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.007926	Re-Slope:	1.000000
A1 (Gain):	0.001045	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999987	Status:	OK.
Std Error of Est:	0.000021		
Predicted MDL:	0.118473		
Predicted MQL:	0.394908		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00026	.000	.000	-.00793	.000	1
CalibStd=1	1.0000	1.1176	.118	11.8	-.00676	.000	1
CalibStd=5	5.0000	5.3020	.302	6.04	-.00238	.000	1
CalibStd=10	10.000	10.399	.399	3.99	.00294	.000	1
CalibStd=100	100.00	103.81	3.81	3.81	.10056	.002	1
CalibStd=100	1000.0	1009.1	9.07	.907	1.0467	.031	1
CalibStd=100	10000.	9986.3	-13.7	-.137	10.429	.460	1

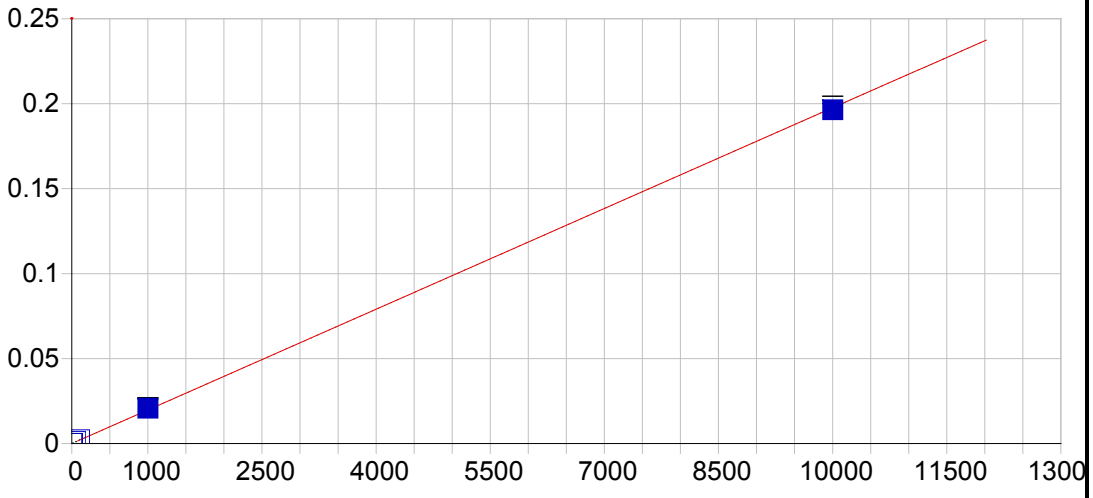


Sr 421.552 { 80}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000164	Re-Slope:	1.000000
A1 (Gain):	0.000887	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999994	Status:	OK.
Std Error of Est:	0.000012		
Predicted MDL:	0.132816		
Predicted MQL:	0.442721		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00016	.000	.000	-.00016	.000	1
CalibStd=1	1.0000	1.0346	.035	3.46	.00075	.000	1
CalibStd=5	5.0000	5.3227	.323	6.45	.00456	.000	1
CalibStd=10	10.000	10.279	.279	2.79	.00895	.000	1
CalibStd=100	100.00	103.01	3.01	3.01	.09120	.002	1
CalibStd=100	1000.0	1000.7	.650	.065	.88735	.023	1
CalibStd=100	10000.	9995.7	-4.30	-.043	8.8654	.363	1

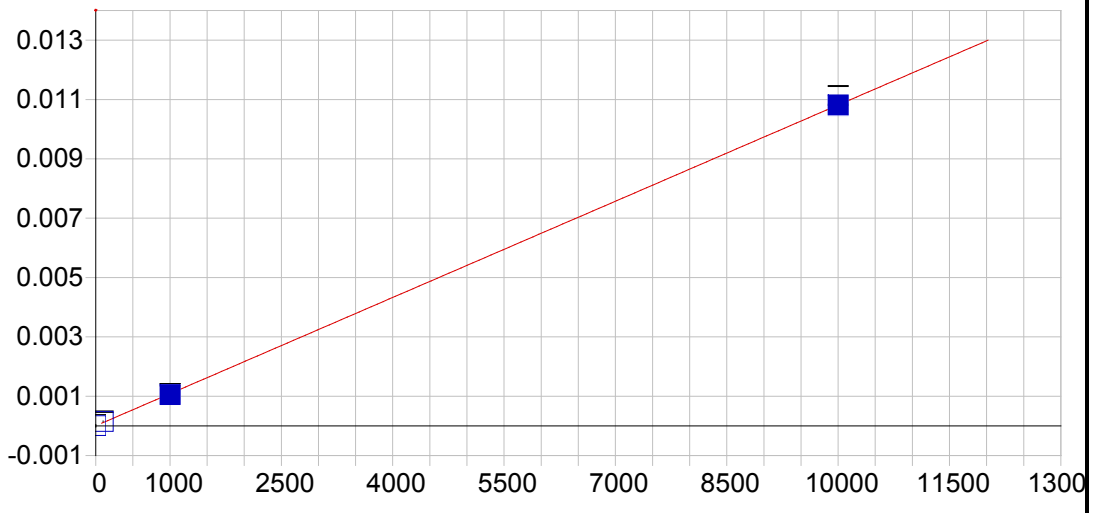


Sn 189.989 {477}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000035	Re-Slope:	1.000000
A1 (Gain):	0.000020	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999824	Status:	OK.
Std Error of Est:	0.000003		
Predicted MDL:	0.568809		
Predicted MQL:	1.896029		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00216	-.002	.000	.00004	.000	1
CalibStd=100	10000.	9938.3	-61.7	-.617	.19637	.002	1
CalibStd=100	1000.0	1046.8	46.8	4.68	.02071	.000	1
CalibStd=100	100.00	109.16	9.16	9.16	.00219	.000	1
CalibStd=10	10.000	10.644	.644	6.44	.00025	.000	1
CalibStd=50	50.000	54.316	4.32	8.63	.00111	.000	1
CalibStd=5	5.0000	5.7467	.747	14.9	.00015	.000	1

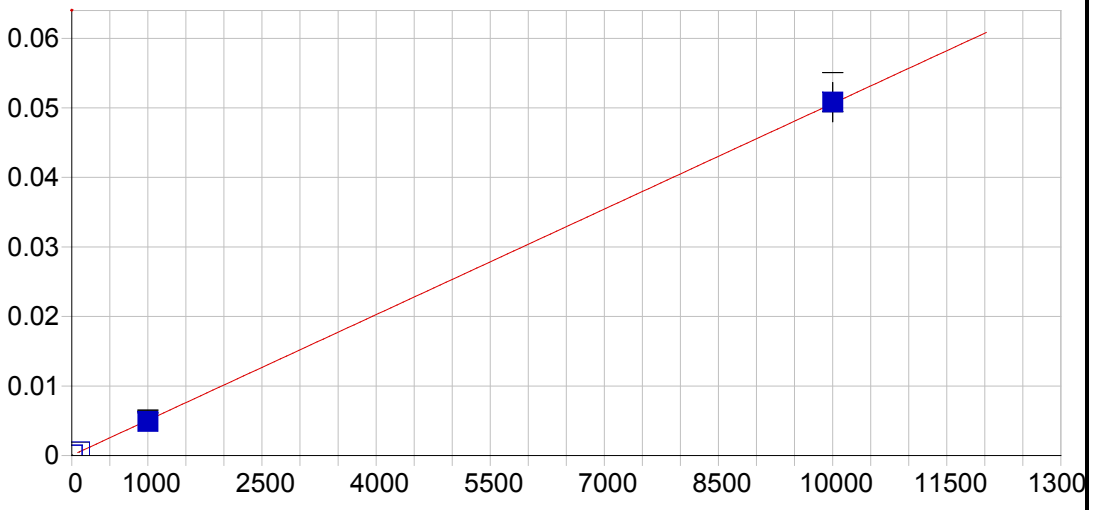


Sn 283.999 {119}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000002	Re-Slope:	1.000000
A1 (Gain):	0.000001	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999585	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	33.900979		
Predicted MQL:	113.003264		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.02565	-.026	.000	.00000	.000	1
CalibStd=100	10000.	10002.	1.74	.017	.01078	.000	1
CalibStd=100	1000.0	969.49	-30.5	-3.05	.00105	.000	1
CalibStd=100	100.00	128.69	28.7	28.7	.00014	.000	1

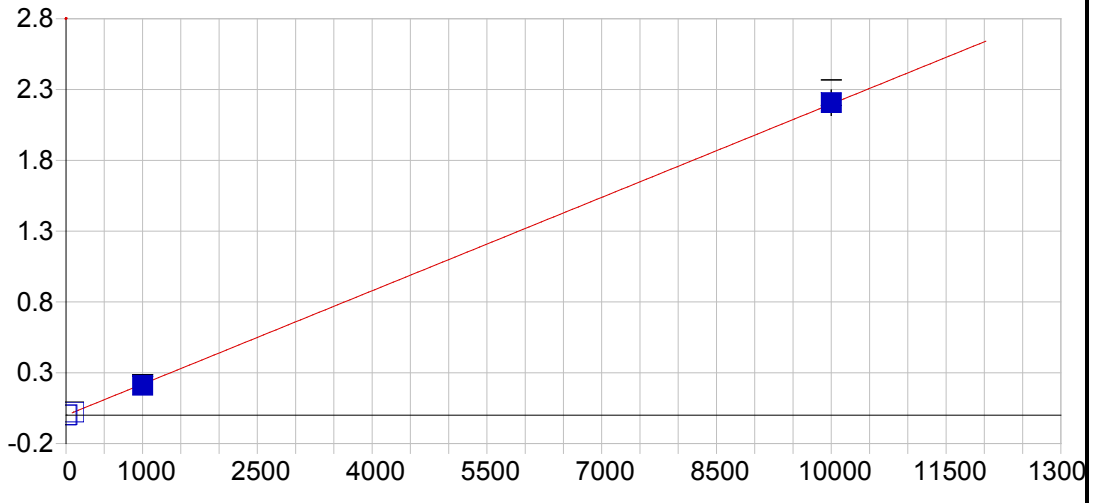


B 249.773 {135}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000023	Re-Slope:	1.000000
A1 (Gain):	0.000005	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999905	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	6.230324		
Predicted MQL:	20.767747		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00165	-.002	.000	.00002	.000	1
CalibStd=100	100.00	98.022	-1.98	-1.98	.00052	.000	1
CalibStd=10	10.000	12.189	2.19	21.9	.00009	.000	1
CalibStd=100	1000.0	961.81	-38.2	-3.82	.00489	.000	1
CalibStd=100	10000.	10038.	38.0	.380	.05083	.003	1



Li 670.784 { 50}

Date of Fit:	08/21/2013 14:40:05	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000160	Re-Slope:	1.000000
A1 (Gain):	0.000220	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999910	Status:	OK.
Std Error of Est:	0.000040		
Predicted MDL:	1.151641		
Predicted MQL:	3.838802		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00001	.000	.000	-.00016	.000	1
CalibStd=10	10.000	10.328	.328	3.28	.00211	.000	1
CalibStd=100	100.00	100.63	.626	.626	.02196	.000	1
CalibStd=100	1000.0	957.33	-42.7	-4.27	.21025	.006	1
CalibStd=100	10000.	10042.	41.7	.417	2.2069	.090	1

Sample Name: Blank Acquired: 08/20/2013 08:56:44 Type: Cal
Method: DOD Calibration 1(v1395) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3092	Al3961	Al1670	As1937	As1890	Ba4554	Ba4934	Be3130	Be2348	Ca3179	Ca3933
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.000	.001	.002	.001	.000	.000	.001	-.005	.000	.000	.018	.182
Stddev	.00	.000	.000	.000	.00	.00	.000	.000	.000	.00	.000	.021
%RSD	7.02	8.19	15.6	28.0	60.8	20.3	10.1	3.44	16.0	473.	.397	11.8

Elem	Cd2265	Cd2288	Co2286	Co2388	Cr2677	Cr2835	Cu2247	Cu3247	Fe2343	Fe2395	Fe2599	Mg2025
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.000	.000	.000	.000	.000	.000	.000	.002	.001	.001	.004	.000
Stddev	.00	.000	.00	.000	.00	.000	.000	.000	.000	.000	.001	.000
%RSD	56.6	32.4	40.1	31.5	9.56	29.1	48.6	.520	14.3	12.8	12.1	85.2

Elem	Mg2802	Mn2576	Mn2593	Mo2020	Mo2045	Ni2216	Ni2316	Pb2169	Pb2203	Sb2068	Sb2175	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.013	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Stddev	.001	.000	.000	.000	.000	.00	.000	.000	.000	.000	.00	.000
%RSD	10.8	7.02	29.0	15.7	79.0	14.6	191.	28.9	24.3	47.4	19.3	48.7

Elem	Se1960	Se2062	Tl2767	Tl1908	V_2908	V_2924	Zn2062	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.000	.000	.000	.000	.000	.000	.000	.000
Stddev	.000	.00	.000	.00	.00	.000	.000	.000
%RSD	140.	35.7	467.	53.7	114.	46.8	26.3	10.9

Int. Std.	Y_3600
Units	Cts/S
Avg	49516.
Stddev	354.
%RSD	.71411

Sample Name: CalibStd=0.25 Acquired: 08/20/2013 09:00:25 Type: Cal
Method: DOD Calibration 1(v1395) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Be3130
Units	Cts/S
Avg	.000
Stddev	.000
%RSD	15.1

Int. Std.	Y_3600
Units	Cts/S
Avg	49634.
Stddev	112.
%RSD	.22647

Sample Name: CalibStd=0.5 Acquired: 08/20/2013 09:04:18 Type: Cal
Method: DOD Calibration 1(v1395) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Be3130	Cd2265
Units	Cts/S	Cts/S
Avg	.000	.000
Stddev	.000	.000
%RSD	9.98	22.4

Int. Std.	Y_3600
Units	Cts/S
Avg	49952.
Stddev	152.
%RSD	.30435

Sample Name: CalibStd=1 Acquired: 08/20/2013 09:08:11 Type: Cal
Method: DOD Calibration 1(v1395) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Cd2265
Units	Cts/S	Cts/S
Avg	.000	.000
Stddev	.00	.000
%RSD	3.10	8.70

Int. Std.	Y_3600
Units	Cts/S
Avg	49889.
Stddev	329.
%RSD	.65893

Sample Name: CalibStd=5 Acquired: 08/20/2013 09:12:02 Type: Cal
Method: DOD Calibration 1(v1395) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al1670	Ba4554	Be3130	Cd2265	Co2286	Cu2247	Mn2576	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.000	.004	.001	.001	.001	.000	.000	.001	.000
Stddev	.000	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	1.60	2.01	3.31	2.40	.408	2.30	6.47	2.67	8.55

Int. Std.	Y_3600
Units	Cts/S
Avg	49745.
Stddev	147.
%RSD	.29506

Sample Name: CalibStd=10 Acquired: 08/20/2013 09:15:54 Type: Cal
Method: DOD Calibration 1(v1395) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Cd2265	Co2286	Cr2677	Cu2247	Mn2576	Mo2020	Ni2316
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.001	.000	.000	.008	.003	.002	.001	.002	.001	.000	.000	.001
Stddev	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	13.0	4.61	41.1	2.98	2.85	2.46	3.35	4.03	1.69	4.70	5.11	4.14

Elem	Pb2203	Sb2068	Sb2175	Se1960	Se1960	Tl1908	V_2924	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.000	.000	.000	.000	.000	.000	.003	.001
Stddev	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	8.31	8.32	45.1	33.7	14.3	15.7	5.95	2.42

Int. Std.	Y_3600
Units	Cts/S
Avg	50099.
Stddev	300.
%RSD	.59932

Sample Name: CalibStd=20 Acquired: 08/20/2013 09:19:46 Type: Cal
Method: DOD Calibration 1(v1395) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ba4554	Cr2677	Cu2247	Fe2599	Mn2576	Mo2020	Sb2175	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.015	.004	.001	.000	.001	.001	.000	.006
Stddev	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	1.97	1.34	2.90	.791	3.43	2.88	19.6	.485

Int. Std.	Y_3600
Units	Cts/S
Avg	50101.
Stddev	312.
%RSD	.62255

Sample Name: CalibStd=50 Acquired: 08/20/2013 09:23:35 Type: Cal
Method: DOD Calibration 1(v1395) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al1670	As1937	Ba4554	Ca3933	Cd2265	Co2286	Cr2677	Cr2835	Cu2247	Fe2599	Mg2802	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.001	.000	.035	.119	.011	.006	.010	.001	.003	.000	.007	.002
Stddev	.000	.000	.001	.003	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	3.16	4.46	3.00	2.48	2.76	2.94	2.63	1.75	3.55	3.28	2.83	5.11

Elem	Mo2020	Mo2045	Ni2316	Sb2068	Se1960	Se1960	Tl1908	V_2924	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.002	.001	.006	.001	.000	.000	.000	.015	.005
Stddev	.000	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	2.44	2.87	3.15	1.32	11.1	6.76	4.49	1.85	2.85

Int. Std.	Y_3600
Units	Cts/S
Avg	50182.
Stddev	283.
%RSD	.56379

Sample Name: CalibStd=100 Acquired: 08/20/2013 09:27:20 Type: Cal
Method: DOD Calibration 1(v1395) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	As1937	As1890	Ba4554	Ba4934	Be3130	Be2348	Ca3933	Cd2265	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.011	.001	.000	.071	.051	.026	.003	.206	.021	.023	.013	.020
Stddev	.000	.000	.000	.001	.001	.000	.000	.004	.000	.000	.000	.000
%RSD	.339	3.51	4.17	1.66	1.95	1.09	2.24	1.77	2.01	1.80	1.73	.323

Elem	Cr2835	Cu2247	Cu3247	Fe2599	Mg2802	Mn2576	Mo2020	Mo2045	Ni2216	Ni2316	Pb2169	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.002	.006	.004	.001	.014	.004	.005	.002	.009	.012	.001	.002
Stddev	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	.711	2.01	1.26	4.16	1.51	1.52	1.59	1.73	1.89	1.59	4.78	2.09

Elem	Sb2175	Se1960	Se1960	Tl1908	V_2924	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.001	.000	.001	.001	.030	.011
Stddev	.000	.000	.000	.000	.000	.000
%RSD	1.55	4.52	1.46	3.05	.284	1.93

Int. Std.	Y_3600
Units	Cts/S
Avg	50305.
Stddev	199.
%RSD	.39476

Sample Name: CalibStd=1000 Acquired: 08/20/2013 09:30:57 Type: Cal
Method: DOD Calibration 1(v1395) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al3092	Al1670	As1937	As1890	Ba4934	Be2348	Ca3179	Ca3933	Cd2265	Cd2288	Co2286	Co2388
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.004	.015	.007	.002	.536	.031	.026	1.75	.207	.222	.124	.005
Stddev	.000	.000	.000	.000	.016	.001	.000	.05	.004	.004	.002	.000
%RSD	2.36	2.02	1.81	2.47	2.90	2.67	.776	2.66	1.94	1.83	1.96	3.00

Elem	Cr2677	Cr2835	Cu2247	Cu3247	Fe2343	Fe2395	Fe2599	Mg2802	Mn2576	Mn2593	Mo2020	Mo2045
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.200	.016	.053	.025	.001	.002	.007	.133	.040	.050	.044	.021
Stddev	.003	.001	.001	.001	.000	.000	.000	.004	.001	.001	.001	.000
%RSD	1.43	3.13	1.95	2.87	2.34	2.72	2.99	2.86	2.66	2.97	2.03	2.05

Elem	Ni2216	Ni2316	Pb2169	Pb2203	Sb2068	Sb2175	Se1960	Se1960	Se2062	Tl2767	Tl1908	V_2908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.086	.111	.007	.017	.011	.011	.004	.007	.001	.000	.006	.012
Stddev	.002	.002	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	1.91	2.01	2.01	2.26	2.05	2.06	.862	2.06	1.10	5.64	2.43	2.10

Elem	V_2924	Zn2062	Zn2138
Units	Cts/S	Cts/S	Cts/S
Avg	.285	.113	.102
Stddev	.004	.002	.002
%RSD	1.44	1.96	1.99

Int. Std.	Y_3600
Units	Cts/S
Avg	49847.
Stddev	213.
%RSD	.42680

Sample Name: CalibStd=10000 Acquired: 08/20/2013 09:34:13 Type: Cal
Method: DOD Calibration 1(v1395) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al3092	Al3961	As1890	Ba4554	Ba4934	Ca3179	Co2388	Cr2835	Cu2247	Cu3247	Fe2343	Fe2395
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.043	.110	.016	6.81	5.38	.108	.050	.165	.512	.232	.014	.024
Stddev	.002	.004	.000	.24	.23	.004	.002	.006	.007	.009	.001	.001
%RSD	3.72	3.66	1.10	3.51	4.34	3.29	3.58	3.44	1.28	3.70	3.67	4.20

Elem	Fe2599	Mg2025	Mg2802	Mn2593	Mo2045	Ni2216	Pb2169	Sb2068	Se1960	Se1960	Se2062	Tl2767
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.075	.112	1.32	.510	.204	.823	.067	.103	.041	.065	.010	.003
Stddev	.003	.001	.05	.019	.002	.010	.001	.001	.000	.001	.000	.000
%RSD	3.70	1.26	3.73	3.76	1.22	1.23	1.16	.886	.996	.801	1.60	5.36

Elem	V_2908	Zn2062
Units	Cts/S	Cts/S
Avg	.126	1.09
Stddev	.005	.01
%RSD	3.58	1.27

Int. Std.	Y_3600
Units	Cts/S
Avg	50321.
Stddev	111.
%RSD	.22074

Sample Name: CalibStd-100k Acquired: 08/20/2013 09:38:09 Type: Cal
Method: DOD Calibration 1(v1395) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Cr2835	Cu3247	Mn2593	Pb2169	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.63	2.21	4.75	.669	9.26
Stddev	.06	.08	.08	.010	.17
%RSD	3.46	3.64	1.74	1.49	1.83

Int. Std.	Y_3600
Units	Cts/S
Avg	49802.
Stddev	64.
%RSD	.12909

Sample Name: CalibStd-100000 Acquired: 08/20/2013 09:42:16 Type: Cal
Method: DOD Calibration 1(v1395) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al3092	Al3961	Ca3179	Fe2343	Fe2395	Mg2025
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.426	1.07	.933	.138	.235	1.01
Stddev	.015	.04	.032	.005	.008	.01
%RSD	3.61	3.65	3.48	3.64	3.41	1.46

Int. Std.	Y_3600
Units	Cts/S
Avg	49539.
Stddev	234.
%RSD	.47164

Sample Name: CalibStd=500000 Acquired: 08/20/2013 09:46:38 Type: Cal
Method: DOD Calibration 1(v1395) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al3961	Ca3179	Fe2343	Mg2025
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**5.41**	**4.31**	**.643**	**4.01**
Stddev	.17	.16	.022	.04
%RSD	3.23	3.64	3.49	1.12

Int. Std.	Y_3600
Units	Cts/S
Avg	**47321.**
Stddev	206.
%RSD	.43502

Sample Name: CalibStd-1000k Acquired: 08/20/2013 09:50:39 Type: Cal
Method: DOD Calibration 1(v1395) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al3961	Ca3179	Fe2343	Mg2025
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**10.6**	**8.03**	**1.19**	**6.58**
Stddev	.4	.27	.04	.11
%RSD	3.97	3.39	2.93	1.59

Int. Std.	Y_3600
Units	Cts/S
Avg	**45975.**
Stddev	68.
%RSD	.14834

Sample Name: icv Acquired: 08/20/2013 09:58:44 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3092	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247	Fe2343	Mg2025
Avg	**48.1**	**12000.**	**2100.**	**2070.**	**50.3**	**9890.**	**51.1**	**515.**	**207.**	**268.**	**5000.**	**10200.**
Stddev	1.4	515.	39.	75.	1.8	437.	1.3	13.	3.	6.	177.	245.
%RSD	2.93	4.28	1.85	3.63	3.61	4.42	2.55	2.43	1.23	2.20	3.55	2.41
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se2062	Tl2767	V_2908	Zn2062
Avg	**498.**	**511.**	**515.**	**506.**	**514.**	**2110.**	**2030.**	**502.**	**518.**
Stddev	23.	13.	13.	14.	12.	35.	156.	20.	12.
%RSD	4.53	2.52	2.52	2.73	2.24	1.63	7.70	4.05	2.29
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**49757.**
Stddev	286.
%RSD	.57529

Sample Name: ICVLL Acquired: 08/20/2013 10:02:24 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3092	As1937	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**32.9**	**1040.**	**61.0**	**31.7**	**12.8**	**1300.**	**15.6**	**31.1**	**30.2**	**31.1**	**826.**	**1450.**
Stddev	1.0	22.	2.8	.4	.2	30.	.2	.6	.2	1.0	17.	31.
%RSD	2.91	2.14	4.59	1.33	1.92	2.33	1.42	1.88	.822	3.16	2.09	2.16
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Tl1908	V_2924	Zn2138
Avg	**29.3**	**30.5**	**31.8**	**29.0**	**57.1**	**67.3**	**60.5**	**31.6**	**31.0**
Stddev	.7	.6	.6	.5	1.6	3.1	1.7	.8	.5
%RSD	2.47	2.04	1.91	1.75	2.80	4.58	2.81	2.39	1.72
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**50193.**
Stddev	14.
%RSD	.02732

Sample Name: icb Acquired: 08/20/2013 10:10:06 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**.421**	**-25.7**	**-1.71**	**-1.12**	**.163**	**-46.6**	**-.850**	**.027**	**-.734**	**-.027**	**-107.**	**-24.2**
Stddev	.344	.4	1.23	.14	.065	.2	.044	.077	.304	.256	1.	.2
%RSD	81.8	1.48	72.1	12.4	40.1	.534	5.17	286.	41.4	940.	1.32	.929
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**-.687**	**-.286**	**.171**	**-.660**	**-.951**	**-.379**	**1.01**	**.087**	**-.221**
Stddev	.797	.222	.288	.959	.560	1.39	1.11	.441	.051
%RSD	116.	77.4	168.	145.	58.8	366.	110.	507.	23.1
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**49938.**
Stddev	175.
%RSD	.35134

Sample Name: MRL Acquired: 08/20/2013 10:13:59 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**18.9**	**423.**	**20.1**	**9.50**	**4.46**	**489.**	**4.78**	**10.7**	**9.33**	**11.4**	**191.**	**484.**
Stddev	.5	13.	2.1	.13	.19	11.	.22	.3	.37	.3	7.	12.
%RSD	2.62	3.12	10.3	1.35	4.22	2.15	4.61	2.83	3.93	2.28	3.53	2.39
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**10.9**	**9.38**	**11.4**	**9.93**	**20.9**	**20.5**	**19.3**	**11.1**	**12.0**
Stddev	.2	.45	.3	.45	1.9	.9	.9	.2	.3
%RSD	1.77	4.84	2.69	4.53	9.27	4.21	4.64	2.12	2.36
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**49634.**
Stddev	272.
%RSD	.54855

Sample Name: icsa Acquired: 08/20/2013 10:17:56 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247	Fe2343
Avg	.000	481000.	-.001	.000	.000	480000.	-.001	-.274	.000	.026	443000.
Stddev	.752	9330.	9.70	.074	.185	17200.	.395	.102	.928	2.37	12000.
%RSD	508e15	1.94	973000.	110000.	267e15	3.58	42900.	37.1	1850000.	9250.	2.72
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit											
Low Limit											

Elem	Mg2025	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	488000.	.185	.000	.000	.001	.000	.015	.000	.000	.003
Stddev	6110.	.282	.153	.53	2.72	3.81	2.47	1.31	.228	1.71
%RSD	1.25	152.	4540000.	566000.	263000.	2850000.	16800.	992000.	88000.	61100.
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_3600
Avg	47195.
Stddev	20.
%RSD	.04334

Sample Name: icsab Acquired: 08/20/2013 10:21:59 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1890	Ba4934	Be2348	Ca3179	Cd2288	Co2388	Cr2835	Cu3247	Fe2343
Avg	**493.**	**480000.**	**506.**	**574.**	**466.**	**482000.**	**478.**	**537.**	**519.**	**562.**	**442000.**
Stddev	8.	12300.	5.	19.	12.	14900.	6.	28.	14.	14.	11900.
%RSD	1.63	2.57	1.05	3.25	2.65	3.10	1.17	5.15	2.79	2.52	2.69
Check ?	None	None	None	None	None	None	None	None	None	None	None
Value											
Range											

Elem	Mg2025	Mn2593	Mo2045	Ni2216	Pb2169	Sb2068	Se1960	Tl2767	V_2908	Zn2062
Avg	**483000.**	**483.**	**510.**	**512.**	**480.**	**491.**	**497.**	**532.**	**563.**	**448.**
Stddev	7330.	28.	7.	7.	3.	2.	18.	----	6.	5.
%RSD	1.52	5.74	1.42	1.27	.726	.375	3.69	296.	1.11	1.19
Check ?	None	None	None	None	None	None	None	None	None	None
Value										
Range										

Int. Std.	Y_3600
Avg	**47137.**
Stddev	259.
%RSD	.55040

Sample Name: lod check1 Acquired: 08/20/2013 10:29:32 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**3.03**	**.381**	**34.6**	**.804**	**1.75**	**26.7**	**1.04**	**10.6**	**3.01**	**17.5**	**-68.8**	**21.2**
Stddev	.38	6.20	1.0	.211	.12	1.8	.17	.3	.21	.9	2.9	1.2
%RSD	12.4	1630.	2.91	26.2	6.84	6.59	16.5	3.06	6.87	5.23	4.17	5.60

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**5.20**	**7.75**	**5.58**	**9.22**	**22.3**	**17.7**	**21.8**	**3.51**	**13.8**
Stddev	.17	.28	.14	1.87	2.5	2.1	1.2	.34	.4
%RSD	3.25	3.68	2.48	20.3	11.0	11.6	5.39	9.84	3.09

Int. Std.	Y_3600
Units	Cts/S
Avg	**50247.**
Stddev	394.
%RSD	.78474

Sample Name: lcss44510 Acquired: 08/20/2013 10:33:38 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3092	As1890	Ba4934	Be2348	Ca3179	Cd2288	Co2388	Cr2835	Cu3247	Fe2395
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**175.**	**7860.**	**7470.**	**7650.**	**192.**	**193000.**	**207.**	**1860.**	**757.**	**977.**	**4040.**
Stddev	4.	452.	229.	292.	12.	12600.	6.	101.	42.	60.	227.
%RSD	2.15	5.74	3.07	3.82	6.25	6.55	2.92	5.45	5.60	6.15	5.61

Elem	Mg2025	Mn2593	Mo2020	Ni2216	Pb2169	Sb2068	Se2062	Tl2767	V_2908	Zn2062
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**89200.**	**1860.**	**.077**	**1820.**	**1750.**	**1840.**	**7270.**	**8040.**	**1910.**	**1800.**
Stddev	2880.	115.	.110	60.	45.	58.	220.	1000.	109.	61.
%RSD	3.22	6.19	143.	3.32	2.55	3.17	3.02	12.5	5.74	3.40

Int. Std.	Y_3600
Units	Cts/S
Avg	**46755.**
Stddev	1149.
%RSD	2.4576

Sample Name: mbs44510 Acquired: 08/20/2013 10:37:27 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.318	7.16	-1.47	2.10	.122	118.	-.964	-.156	-.139	.027	3.77	21.7
Stddev	.897	1.94	.62	.73	.193	13.	.040	.055	.088	.526	.26	6.4
%RSD	282.	27.2	42.1	34.8	158.	10.8	4.19	35.4	63.7	1950.	6.94	29.4

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	7.10	-.439	.979	-1.21	-1.60	.293	11.9	-.146	1.79
Stddev	.14	.367	.088	1.57	.64	.349	6.4	.069	.07
%RSD	1.96	83.6	8.99	130.	40.0	119.	54.0	47.3	3.77

Int. Std.	Y_3600
Units	Cts/S
Avg	50316.
Stddev	430.
%RSD	.85405

Sample Name: 337811 Acquired: 08/20/2013 10:41:17 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Co2388	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-3.82**	**448000.**	**487.**	**426.**	**3050.**	**25.0**	**907000.**	**8.90**	**390.**	**471.**	**601.**
Stddev	.14	10700.	5.	9.	185.	1.8	53400.	2.37	2.	5.	4.
%RSD	3.55	2.40	1.08	2.09	6.07	7.03	5.88	26.6	.605	1.04	.736

Elem	Cr2835	Cu2247	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2216	Ni2316	Pb2203	Sb2175
Units	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**714.**	**639.**	**810.**	**900000.**	**232000.**	**17300.**	**50.7**	**1100.**	**895.**	**686.**	**39.0**
Stddev	44.	4.	55.	38500.	2200.	851.	1.3	13.	7.	1.	1.8
%RSD	6.11	.670	6.78	4.28	.948	4.91	2.64	1.20	.763	.197	4.56

Elem	Se1960	Tl1908	V_2908	V_2924	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**2.03**	**3.74**	**783.**	**646.**	**2000.**
Stddev	4.59	1.50	37.	1.	8.
%RSD	226.	40.1	4.67	.116	.390

Int. Std.	Y_3600
Units	Cts/S
Avg	**47355.**
Stddev	322.
%RSD	.68011

Sample Name: 337812 Acquired: 08/20/2013 10:45:11 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Co2388
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-3.99	462000.	586.	505.	3080.	23.9	1230000.	9.44	441.	523.
Stddev	.34	12700.	9.	16.	132.	.8	57700.	1.10	6.	26.
%RSD	8.61	2.76	1.48	3.08	4.30	3.20	4.71	11.7	1.40	4.99

Elem	Cr2677	Cr2835	Cu2247	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2216	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avg	647.	786.	660.	846.	942000.	297000.	19300.	53.8	1260.	401.
Stddev	5.	24.	6.	33.	26400.	4760.	744.	.9	25.	5.
%RSD	.818	3.07	.910	3.90	2.80	1.60	3.85	1.73	2.01	1.17

Elem	Sb2175	Se1960	Tl1908	V_2908	V_2924	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	42.9	2.26	8.44	784.	639.	2050.
Stddev	5.5	1.49	2.61	21.	2.	31.
%RSD	12.9	66.0	31.0	2.73	.353	1.52

Int. Std.	Y_3600
Units	Cts/S
Avg	46622.
Stddev	61.
%RSD	.13185

Sample Name: 337813 Acquired: 08/20/2013 10:49:05 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Co2388
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-5.37	443000.	460.	394.	2710.	22.3	1190000.	10.6	387.	463.
Stddev	.81	11500.	14.	8.	119.	.8	58000.	1.5	5.	18.
%RSD	15.2	2.59	2.96	2.00	4.38	3.81	4.86	14.1	1.22	3.95

Elem	Cr2677	Cr2835	Cu2247	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2216	Ni2316
Units	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avg	629.	746.	640.	804.	890000.	300000.	14900.	48.7	1160.	923.
Stddev	3.	27.	2.	33.	27600.	4280.	542.	1.4	19.	10.
%RSD	.522	3.61	.322	4.08	3.10	1.43	3.64	2.94	1.62	1.05

Elem	Pb2169	Pb2203	Sb2175	Se1960	Tl1908	V_2908	V_2924	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	501.	414.	36.5	-3.30	6.02	750.	628.	2100.
Stddev	5.	3.	3.4	2.36	1.58	29.	3.	19.
%RSD	1.04	.621	9.17	71.3	26.3	3.86	.443	.904

Int. Std.	Y_3600
Units	Cts/S
Avg	46553.
Stddev	73.
%RSD	.15733

Sample Name: 337815 Acquired: 08/20/2013 10:53:03 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Co2388
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-3.97**	**459000.**	**581.**	**505.**	**3180.**	**23.1**	**1360000.**	**11.2**	**471.**	**572.**
Stddev	.99	13300.	10.	8.	137.	.9	92100.	2.2	6.	29.
%RSD	24.9	2.90	1.70	1.49	4.31	4.03	6.78	19.8	1.28	5.02

Elem	Cr2677	Cr2835	Cu2247	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2216	Pb2169
Units	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avg	**648.**	**774.**	**636.**	**797.**	**944000.**	**331000.**	**20000.**	**52.4**	**1300.**	**442.**
Stddev	4.	35.	5.	35.	35100.	4360.	820.	.7	28.	9.
%RSD	.598	4.47	.728	4.35	3.72	1.32	4.10	1.31	2.15	2.11

Elem	Pb2203	Sb2175	Se1960	Tl1908	V_2908	V_2924	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**368.**	**40.5**	**-7.01**	**5.06**	**787.**	**644.**	**2000.**
Stddev	5.	6.5	7.83	.16	31.	4.	26.
%RSD	1.41	15.9	112.	3.22	3.91	.543	1.31

Int. Std.	Y_3600
Units	Cts/S
Avg	**46018.**
Stddev	139.
%RSD	.30294

Sample Name: I337815 Acquired: 08/20/2013 10:57:00 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4554	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.634	99600.	142.	123.	685.	692.	5.31	299000.	.718	127.	163.
Stddev	.352	3860.	1.	5.	28.	28.	.43	12200.	.075	3.	2.
%RSD	55.5	3.88	.952	4.37	4.01	4.03	8.04	4.09	10.5	2.39	1.01

Elem	Cu2247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl2767	Tl1908
Units	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	174.	239000.	77500.	4690.	12.7	281.	102.	8.65	1.50	511.	6.31
Stddev	4.	8090.	2060.	180.	.9	6.	4.	3.31	3.17	298.	.49
%RSD	2.06	3.38	2.66	3.83	7.18	2.31	3.48	38.2	212.	58.4	7.79

Elem	V_2924	Zn2062	Zn2138
Units	ug/L	ug/L	ug/L
Avg	158.	536.	556.
Stddev	2.	13.	14.
%RSD	.987	2.43	2.42

Int. Std.	Y_3600
Units	Cts/S
Avg	47725.
Stddev	557.
%RSD	1.1668

Sample Name: dup337815 Acquired: 08/20/2013 11:00:50 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Co2388
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-3.76**	**452000.**	**567.**	**493.**	**3190.**	**22.8**	**1360000.**	**13.4**	**481.**	**551.**
Stddev	.52	14800.	13.	13.	115.	.8	65900.	1.3	9.	4.
%RSD	13.8	3.29	2.27	2.63	3.61	3.60	4.85	9.58	1.87	.657

Elem	Cr2677	Cr2835	Cu2247	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2216	Pb2169
Units	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avg	**627.**	**742.**	**627.**	**781.**	**917000.**	**331000.**	**21900.**	**50.0**	**1330.**	**455.**
Stddev	7.	22.	10.	24.	28800.	6720.	740.	1.2	29.	6.
%RSD	1.05	2.91	1.56	3.13	3.14	2.03	3.38	2.33	2.18	1.28

Elem	Pb2203	Sb2175	Se1960	Tl1908	V_2908	V_2924	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**366.**	**41.9**	**-8.27**	**7.77**	**757.**	**616.**	**1970.**
Stddev	2.	3.5	2.79	2.95	24.	5.	36.
%RSD	.635	8.36	33.8	38.0	3.20	.836	1.84

Int. Std.	Y_3600
Units	Cts/S
Avg	**45508.**
Stddev	133.
%RSD	.29170

Sample Name: mss337815 Acquired: 08/20/2013 11:04:41 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1890	Ba4934	Be2348	Ca3179	Cd2265	Co2388	Cr2835	Cu3247
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**87.5**	**490000.**	**4100.**	**7460.**	**-47.4**	**1740000.**	**88.7**	**1450.**	**1160.**	**1340.**
Stddev	1.8	19400.	96.	327.	3.5	84000.	1.2	79.	39.	59.
%RSD	2.02	3.95	2.34	4.39	7.36	4.83	1.36	5.46	3.35	4.43

Elem	Fe2343	Mg2025	Mn2593	Mo2020	Ni2216	Pb2169	Pb2203	Sb2068	Sb2175	Se1960
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**968000.**	**446000.**	**23600.**	**55.4**	**2170.**	**1330.**	**1020.**	**51.5**	**92.2**	**3240.**
Stddev	35400.	11800.	963.	1.6	55.	27.	21.	4.2	5.1	84.
%RSD	3.65	2.64	4.09	2.87	2.51	2.01	2.07	8.15	5.51	2.59

Elem	Se2062	Tl2767	Tl1908	V_2908	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**3200.**	**3280.**	**2270.**	**1670.**	**2820.**
Stddev	88.	1460.	50.	64.	65.
%RSD	2.76	44.3	2.22	3.81	2.32

Int. Std.	Y_3600
Units	Cts/S
Avg	**43886.**
Stddev	778.
%RSD	1.7727

Sample Name: ccv1 Acquired: 08/20/2013 11:08:31 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3092	Al3961	As1890	Ba4934	Be2348	Ca3179	Cd2288	Co2388	Cr2835	Cu3247	Fe2343
Avg	**497.▯**	**4930.▯**	**4900.▯**	**5310.▯**	**5130.▯**	**487.▯**	**4850.▯**	**521.▯**	**4740.▯**	**4830.▯**	**5040.▯**	**5230.▯**
Stddev	3.	119.	121.	94.	179.	16.	111.	9.	151.	156.	160.	14.
%RSD	.696	2.41	2.46	1.77	3.48	3.25	2.28	1.65	3.19	3.23	3.18	.268
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Fe2395	Mg2025	Mg2802	Mn2593	Mo2045	Ni2216	Pb2169	Sb2068	Se1960	Se2062	Tl2767	V_2908
Avg	**5290.▯**	**4960.▯**	**4870.▯**	**5110.▯**	**5280.▯**	**5330.▯**	**5330.▯**	**5280.▯**	**5330.▯**	**5370.▯**	**4840.▯**	**4840.▯**
Stddev	15.	102.	151.	168.	84.	87.	98.	90.	74.	82.	135.	146.
%RSD	.284	2.07	3.09	3.30	1.59	1.63	1.85	1.71	1.39	1.52	2.80	3.02
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Zn2062
Avg	**5260.▯**
Stddev	89.
%RSD	1.70
Check ?	None
Value	
Range	

Sample Name: ccv1 Acquired: 08/20/2013 11:08:31 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Int. Std.	Y_3600
Avg	48831.[illegible]
Stddev	193.
%RSD	.39499

Sample Name: ccv2 Acquired: 08/20/2013 11:11:55 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**54.1**	**568.**	**537.**	**519.**	**52.0**	**493.**	**55.5**	**532.**	**532.**	**556.**	**418.**	**474.**
Stddev	.9	9.	8.	13.	1.1	11.	.8	9.	5.	10.	6.	11.
%RSD	1.69	1.59	1.50	2.47	2.07	2.27	1.44	1.63	.882	1.73	1.43	2.27
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**498.**	**539.**	**530.**	**536.**	**535.**	**566.**	**543.**	**528.**	**533.**
Stddev	9.	8.	9.	7.	11.	10.	8.	4.	10.
%RSD	1.79	1.53	1.64	1.35	2.09	1.71	1.50	.769	1.81
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**48729.**
Stddev	68.
%RSD	.13988

Sample Name: ccb Acquired: 08/20/2013 11:15:24 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	.369	-28.3	.162	-.299	.086	-45.7	-.824	.247	.832	-.109	-103.	-25.1
Stddev	1.04	.5	.412	.145	.082	.1	.061	.247	.259	.388	.	.2
%RSD	283.	1.81	254.	48.4	96.0	.262	7.41	100.	31.1	356.	.392	.965
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	.262	1.70	-.132	-.529	1.47	2.85	2.58	.673	-.406
Stddev	.369	.35	.360	.441	1.94	.84	.60	.235	.083
%RSD	141.	20.5	273.	83.4	132.	29.5	23.1	34.9	20.4
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	48614.
Stddev	171.
%RSD	.35219

Sample Name: msds337815 Acquired: 08/20/2013 11:19:17 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1890	Ba4934	Be2348	Ca3179	Cd2265	Co2388	Cr2677	Cr2835
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**86.1**	**460000.**	**3980.**	**7170.**	**-35.9**	**1550000.**	**88.0**	**1350.**	**956.**	**1080.**
Stddev	.8	10200.	36.	264.	2.8	83400.	1.1	48.	6.	52.
%RSD	.949	2.22	.902	3.68	7.92	5.38	1.26	3.55	.658	4.75

Elem	Cu2247	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2216	Pb2169	Pb2203	Sb2175
Units	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**971.**	**1270.**	**895000.**	**417000.**	**21300.**	**50.7**	**2020.**	**1280.**	**979.**	**88.5**
Stddev	7.	56.	29400.	4520.	777.	1.3	35.	12.	11.	7.1
%RSD	.765	4.44	3.28	1.08	3.65	2.48	1.72	.965	1.13	7.99

Elem	Se1960	Se2062	Tl2767	Tl1908	V_2908	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**3190.**	**3160.**	**4270.**	**2240.**	**1620.**	**2650.**
Stddev	10.	67.	1680.	19.	71.	33.
%RSD	.324	2.13	39.3	.837	4.35	1.25

Int. Std.	Y_3600
Units	Cts/S
Avg	**44583.**
Stddev	234.
%RSD	.52544

Sample Name: pdss337815 Acquired: 08/20/2013 11:23:12 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1890	Ba4934	Be2348	Ca3179	Cd2265	Co2388	Cr2677	Cr2835
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**90.6**	**466000.**	**4190.**	**7500.**	**-35.6**	**1370000.**	**93.2**	**1400.**	**976.**	**1110.**
Stddev	1.6	19100.	53.	338.	1.2	65400.	1.5	51.	13.	41.
%RSD	1.81	4.10	1.26	4.51	3.32	4.78	1.61	3.64	1.38	3.73

Elem	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2216	Pb2169	Pb2203	Sb2068	Sb2175
Units	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**1300.**	**920000.**	**333000.**	**22900.**	**49.8**	**2100.**	**1290.**	**1020.**	**896.**	**925.**
Stddev	58.	32300.	5750.	881.	.2	32.	15.	13.	11.	11.
%RSD	4.47	3.51	1.72	3.84	.391	1.53	1.13	1.27	1.20	1.23

Elem	Se1960	Se2062	Tl2767	Tl1908	V_2908	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**3400.**	**3430.**	**3800.**	**2440.**	**1700.**	**2720.**
Stddev	44.	67.	1120.	35.	66.	33.
%RSD	1.29	1.96	29.4	1.44	3.87	1.22

Int. Std.	Y_3600
Units	Cts/S
Avg	**44903.**
Stddev	437.
%RSD	.97346

Sample Name: 337818 Acquired: 08/20/2013 11:27:03 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Co2388
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-4.60**	**446000.**	**481.**	**415.**	**2870.**	**23.1**	**1000000.**	**14.9**	**365.**	**410.**
Stddev	.23	10600.	7.	7.	83.	.6	49500.	.5	4.	13.
%RSD	5.12	2.37	1.45	1.64	2.90	2.60	4.95	3.62	1.15	3.04

Elem	Cr2677	Cr2835	Cu2247	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avg	**611.**	**713.**	**656.**	**792.**	**862000.**	**268000.**	**14900.**	**46.2**	**892.**	**377.**
Stddev	2.	19.	4.	21.	15900.	3090.	348.	.7	10.	4.
%RSD	.333	2.60	.684	2.70	1.85	1.15	2.33	1.51	1.13	1.17

Elem	Sb2175	Se1960	Tl1908	V_2908	V_2924	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**34.9**	**-9.18**	**7.07**	**741.**	**629.**	**2210.**
Stddev	3.2	4.90	1.24	22.	2.	24.
%RSD	9.19	53.4	17.6	2.95	.326	1.10

Int. Std.	Y_3600
Units	Cts/S
Avg	**45514.**
Stddev	487.
%RSD	1.0702

Sample Name: 337820 Acquired: 08/20/2013 11:30:53 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Co2388
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-4.78**	**460000.**	**502.**	**447.**	**3060.**	**25.0**	**1010000.**	**17.2**	**390.**	**424.**
Stddev	.32	14200.	12.	11.	103.	.7	53500.	.9	7.	17.
%RSD	6.78	3.09	2.31	2.53	3.37	2.96	5.29	5.36	1.76	4.03

Elem	Cr2677	Cr2835	Cu2247	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avg	**634.**	**740.**	**687.**	**832.**	**892000.**	**272000.**	**15700.**	**48.5**	**940.**	**393.**
Stddev	9.	17.	13.	35.	25500.	5890.	508.	1.7	21.	6.
%RSD	1.43	2.30	1.83	4.17	2.86	2.16	3.24	3.49	2.20	1.60

Elem	Sb2175	Se1960	Tl1908	V_2908	V_2924	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**38.5**	**-17.6**	**-.671**	**757.**	**648.**	**2330.**
Stddev	3.6	3.1	4.18	25.	8.	51.
%RSD	9.40	17.4	623.	3.34	1.18	2.20

Int. Std.	Y_3600
Units	Cts/S
Avg	**45336.**
Stddev	262.
%RSD	.57818

Sample Name: 337822 Acquired: 08/20/2013 11:34:44 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Co2388
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-4.50**	**478000.**	**436.**	**380.**	**3070.**	**23.4**	**1390000.**	**17.5**	**416.**	**456.**
Stddev	.90	11600.	11.	4.	122.	1.0	80500.	1.7	4.	9.
%RSD	19.9	2.42	2.41	1.02	3.97	4.23	5.80	9.66	1.04	2.01

Elem	Cr2677	Cr2835	Cu2247	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avg	**682.**	**788.**	**671.**	**843.**	**893000.**	**343000.**	**16400.**	**51.9**	**978.**	**391.**
Stddev	11.	31.	2.	34.	28100.	4040.	569.	1.2	10.	4.
%RSD	1.61	3.99	.349	4.01	3.15	1.18	3.47	2.27	1.01	.975

Elem	Sb2175	Se1960	Tl1908	V_2924	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**36.1**	**-5.64**	**-1.42**	**685.**	**2120.**
Stddev	2.5	1.93	1.52	6.	22.
%RSD	7.01	34.3	107.	.874	1.03

Int. Std.	Y_3600
Units	Cts/S
Avg	**44563.**
Stddev	187.
%RSD	.41992

Sample Name: 337824 Acquired: 08/20/2013 11:38:37 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Co2388
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-5.54**	**453000.**	**444.**	**370.**	**2940.**	**22.1**	**1170000.**	**18.7**	**398.**	**433.**
Stddev	.12	16200.	10.	7.	119.	.6	48500.	.6	6.	14.
%RSD	2.13	3.58	2.16	1.82	4.04	2.94	4.16	2.97	1.47	3.30

Elem	Cr2677	Cr2835	Cu2247	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avg	**647.**	**743.**	**656.**	**797.**	**859000.**	**320000.**	**14500.**	**53.4**	**938.**	**375.**
Stddev	9.	27.	5.	30.	25300.	5730.	492.	1.0	12.	2.
%RSD	1.37	3.58	.715	3.77	2.95	1.79	3.40	1.90	1.32	.434

Elem	Sb2175	Se1960	Tl1908	V_2924	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**30.0**	**-15.4**	**-2.00**	**658.**	**2050.**
Stddev	3.3	3.6	3.95	7.	29.
%RSD	11.1	23.5	198.	1.09	1.40

Int. Std.	Y_3600
Units	Cts/S
Avg	**44822.**
Stddev	188.
%RSD	.41986

Sample Name: 337826 Acquired: 08/20/2013 11:42:28 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Co2388
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-4.78**	**473000.**	**516.**	**442.**	**3500.**	**23.1**	**1470000.**	**18.8**	**480.**	**534.**
Stddev	.56	8170.	5.	22.	103.	.7	33100.	1.4	1.	17.
%RSD	11.6	1.73	.929	5.04	2.93	3.03	2.26	7.27	.191	3.14

Elem	Cr2677	Cr2835	Cu2247	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2216	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avg	**674.**	**780.**	**678.**	**836.**	**912000.**	**340000.**	**19700.**	**59.2**	**1350.**	**403.**
Stddev	4.	19.	2.	22.	11100.	1010.	371.	.2	5.	2.
%RSD	.626	2.42	.226	2.62	1.22	.296	1.88	.300	.398	.514

Elem	Sb2175	Se1960	Tl1908	V_2908	V_2924	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**39.6**	**-17.7**	**1.81**	**783.**	**675.**	**2070.**
Stddev	2.4	2.5	1.88	19.	2.	4.
%RSD	6.02	14.3	104.	2.43	.369	.175

Int. Std.	Y_3600
Units	Cts/S
Avg	**44308.**
Stddev	415.
%RSD	.93664

Sample Name: 337828 Acquired: 08/20/2013 11:46:22 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-4.75	464000.	452.	390.	3230.	22.8	1310000.	19.3	346.	668.
Stddev	1.20	16900.	4.	6.	133.	.8	49800.	1.4	5.	8.
%RSD	25.3	3.64	.950	1.45	4.12	3.72	3.80	7.49	1.54	1.27

Elem	Cr2835	Cu2247	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2169	Pb2203
Units	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	765.	670.	813.	871000.	322000.	12000.	47.6	875.	469.	367.
Stddev	31.	7.	32.	25500.	4220.	427.	.7	13.	12.	8.
%RSD	3.99	1.11	3.93	2.93	1.31	3.55	1.50	1.53	2.54	2.09

Elem	Sb2175	Se1960	Tl1908	V_2924	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	35.8	-19.3	-5.51	677.	2070.
Stddev	1.6	1.2	5.02	7.	37.
%RSD	4.59	6.06	91.1	1.03	1.78

Int. Std.	Y_3600
Units	Cts/S
Avg	44334.
Stddev	335.
%RSD	.75560

Sample Name: 337830 Acquired: 08/20/2013 11:50:23 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-5.27**	**467000.**	**496.**	**426.**	**2760.**	**22.6**	**1220000.**	**20.6**	**369.**	**668.**
Stddev	.94	13100.	8.	16.	114.	1.0	55400.	1.6	4.	1.
%RSD	17.9	2.80	1.67	3.77	4.15	4.25	4.55	7.59	1.11	.093

Elem	Cr2835	Cu2247	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2216	Ni2316	Pb2169
Units	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**768.**	**682.**	**821.**	**888000.**	**333000.**	**13600.**	**47.9**	**1170.**	**921.**	**464.**
Stddev	21.	5.	37.	25100.	3830.	483.	1.4	19.	10.	8.
%RSD	2.78	.673	4.44	2.83	1.15	3.56	2.97	1.60	1.03	1.64

Elem	Pb2203	Sb2175	Se1960	Tl1908	V_2908	V_2924	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**365.**	**37.5**	**-19.2**	**-6.74**	**762.**	**676.**	**2050.**
Stddev	3.	.2	4.9	4.58	31.	.	21.
%RSD	.867	.616	25.3	68.0	4.00	.026	1.01

Int. Std.	Y_3600
Units	Cts/S
Avg	**44312.**
Stddev	228.
%RSD	.51391

Sample Name: 337832 Acquired: 08/20/2013 11:54:21 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-4.22**	**432000.**	**409.**	**353.**	**2760.**	**20.7**	**1150000.**	**19.1**	**351.**	**666.**
Stddev	.11	22000.	10.	16.	150.	1.0	55900.	1.6	6.	2.
%RSD	2.69	5.08	2.37	4.53	5.43	4.84	4.85	8.17	1.81	.308

Elem	Cr2835	Cu2247	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2216	Ni2316	Pb2169
Units	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**738.**	**655.**	**758.**	**805000.**	**319000.**	**12200.**	**54.9**	**1120.**	**880.**	**440.**
Stddev	35.	6.	40.	35000.	5990.	579.	1.0	26.	17.	12.
%RSD	4.71	.926	5.27	4.35	1.88	4.74	1.87	2.33	1.98	2.62

Elem	Pb2203	Sb2175	Se1960	Tl1908	V_2908	V_2924	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**348.**	**30.0**	**-18.7**	**-8.63**	**717.**	**653.**	**1940.**
Stddev	8.	2.5	7.9	3.38	36.	3.	38.
%RSD	2.30	8.50	42.2	39.2	5.02	.488	1.98

Int. Std.	Y_3600
Units	Cts/S
Avg	**44351.**
Stddev	108.
%RSD	.24420

Sample Name: ccv1 Acquired: 08/20/2013 11:58:09 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3092	As1890	Ba4934	Be2348	Ca3179	Cd2288	Co2388	Cr2835	Cu3247	Fe2343	Mg2025
Avg	**512.**	**4810.**	**5460.**	**5110.**	**460.**	**4640.**	**539.**	**4500.**	**4620.**	**4910.**	**5060.**	**5130.**
Stddev	4.	130.	98.	164.	15.	113.	10.	120.	131.	156.	25.	115.
%RSD	.837	2.70	1.79	3.20	3.30	2.43	1.85	2.67	2.83	3.18	.486	2.24
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mg2802	Mn2593	Mo2045	Ni2216	Pb2169	Sb2068	Se1960	Se2062	Tl2767	V_2908	Zn2062
Avg	**4650.**	**4890.**	**5440.**	**5470.**	**5490.**	**5470.**	**5460.**	**5540.**	**4520.**	**4680.**	**5370.**
Stddev	134.	141.	92.	101.	107.	97.	113.	117.	379.	143.	105.
%RSD	2.88	2.89	1.69	1.85	1.94	1.77	2.07	2.10	8.39	3.07	1.96
Check ?	None	None	None	None	None	None	None	None	None	None	None
Value											
Range											

Int. Std.	Y_3600
Avg	**47093.**
Stddev	258.
%RSD	.54711

Sample Name: ccv2 Acquired: 08/20/2013 12:01:31 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**56.3**	**600.**	**558.**	**542.**	**53.0**	**518.**	**57.8**	**551.**	**562.**	**579.**	**427.**	**478.**
Stddev	.6	7.	5.	7.	.7	7.	.6	6.	1.	7.	6.	4.
%RSD	1.07	1.09	.905	1.31	1.22	1.34	1.08	1.10	.253	1.13	1.36	.846
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**502.**	**560.**	**549.**	**560.**	**556.**	**592.**	**564.**	**557.**	**555.**
Stddev	3.	6.	6.	5.	6.	5.	4.	3.	6.
%RSD	.666	1.11	1.04	.875	1.05	.769	.716	.554	1.13
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**47030.**
Stddev	284.
%RSD	.60390

Sample Name: ccb Acquired: 08/20/2013 12:05:00 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**.190**	**-27.4**	**-.179**	**-.191**	**.273**	**-45.0**	**-.678**	**.195**	**.626**	**.025**	**-109.**	**-25.0**
Stddev	.349	.8	.495	.262	.070	.3	.049	.192	.129	.368	5.	.3
%RSD	184.	2.76	276.	137.	25.8	.688	7.24	98.6	20.6	1490.	4.26	1.04
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**-.188**	**2.06**	**.219**	**-.668**	**-2.72**	**2.99**	**2.48**	**.592**	**-.347**
Stddev	.458	.14	.064	.237	2.59	1.14	1.36	.087	.169
%RSD	243.	6.98	29.1	35.5	95.0	38.1	54.6	14.7	48.7
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**46467.**
Stddev	136.
%RSD	.29213

Sample Name: 337834 Acquired: 08/20/2013 12:08:53 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-5.09**	**475000.**	**461.**	**400.**	**2890.**	**22.8**	**1400000.**	**22.3**	**372.**	**687.**
Stddev	.50	11800.	14.	8.	118.	1.2	91300.	.6	10.	10.
%RSD	9.79	2.48	3.08	1.90	4.08	5.10	6.51	2.81	2.60	1.40

Elem	Cr2835	Cu2247	Cu3247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2216	Ni2316	Pb2169
Units	ug/L	ug/L	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**779.**	**690.**	**817.**	**875000.**	**357000.**	**14500.**	**53.8**	**1250.**	**966.**	**472.**
Stddev	31.	14.	34.	33600.	9990.	659.	1.4	46.	25.	8.
%RSD	3.96	1.96	4.14	3.84	2.80	4.55	2.53	3.64	2.57	1.79

Elem	Pb2203	Sb2175	Se1960	Tl1908	V_2908	V_2924	Zn2062
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**361.**	**33.7**	**-29.0**	**-6.57**	**781.**	**698.**	**2070.**
Stddev	7.	1.1	1.9	1.88	31.	11.	61.
%RSD	2.03	3.13	6.54	28.6	4.02	1.60	2.95

Int. Std.	Y_3600
Units	Cts/S
Avg	**43093.**
Stddev	302.
%RSD	.70048

Sample Name: ccv1 Acquired: 08/20/2013 12:46:54 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3092	Al3961	As1890	Ba4934	Be2348	Ca3179	Cd2288	Co2388	Cr2835	Cu3247	Fe2343
Avg	**525.**	**4850.**	**4950.**	**5580.**	**5320.**	**455.**	**4690.**	**550.**	**4460.**	**4650.**	**4990.**	**4840.**
Stddev	7.	95.	100.	95.	168.	14.	85.	10.	121.	133.	148.	45.
%RSD	1.39	1.95	2.01	1.71	3.15	3.02	1.81	1.79	2.71	2.85	2.97	.925
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Fe2395	Mg2025	Mg2802	Mn2593	Mo2045	Ni2216	Pb2169	Sb2068	Se1960	Se2062	Tl2767	Tl1908
Avg	**4920.**	**5250.**	**4690.**	**4900.**	**5570.**	**5600.**	**5610.**	**5590.**	**5560.**	**5690.**	**4450.**	**5290.**
Stddev	58.	109.	122.	135.	105.	115.	100.	86.	79.	83.	36.	97.
%RSD	1.17	2.08	2.59	2.76	1.89	2.06	1.79	1.53	1.41	1.46	.799	1.84
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	V_2908	Zn2062
Avg	**4750.**	**5490.**
Stddev	157.	123.
%RSD	3.31	2.24
Check ?	None	None
Value		
Range		

Sample Name: ccv1 Acquired: 08/20/2013 12:46:54 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Int. Std.	Y_3600
Avg	46012.[illegible]
Stddev	255.
%RSD	.55424

Sample Name: ccv2 Acquired: 08/20/2013 12:50:16 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**55.6**	**604.**	**563.**	**525.**	**50.4**	**497.**	**58.0**	**553.**	**561.**	**581.**	**396.**	**453.**
Stddev	1.6	19.	14.	4.	.1	4.	1.5	14.	9.	14.	4.	4.
%RSD	2.95	3.14	2.50	.746	.131	.757	2.53	2.60	1.55	2.50	1.13	.911
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**472.**	**564.**	**551.**	**560.**	**560.**	**599.**	**571.**	**557.**	**555.**
Stddev	7.	14.	14.	14.	17.	13.	11.	9.	14.
%RSD	1.42	2.52	2.54	2.43	2.98	2.21	1.97	1.61	2.54
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**45716.**
Stddev	415.
%RSD	.90878

Sample Name: ccb Acquired: 08/20/2013 12:53:44 Type: QC
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**-.137**	**-25.7**	**.950**	**.047**	**.092**	**-44.0**	**-.733**	**.407**	**1.15**	**.213**	**-105.**	**-24.7**
Stddev	.340	.8	1.46	.423	.087	.3	.031	.199	.35	.463	4.	.4
%RSD	248.	3.10	154.	903.	94.9	.587	4.20	49.0	30.8	217.	3.44	1.47
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**.413**	**2.19**	**.239**	**-1.02**	**-1.62**	**3.85**	**5.13**	**.499**	**-.246**
Stddev	.166	.24	.194	.39	.84	.93	.28	.501	.107
%RSD	40.1	10.8	81.1	38.6	52.1	24.1	5.39	101.	43.5
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**45231.**
Stddev	246.
%RSD	.54489

Sample Name: MRL Acquired: 08/20/2013 14:46:23 Type: Unk
Method: DOD Calibration 1(v1395) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3179	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**22.0**	**502.**	**21.1**	**10.7**	**4.31**	**286.**	**528.**	**5.71**	**12.2**	**11.1**	**12.5**	**165.**
Stddev	.3	11.	1.6	.4	.09	22.	16.	.12	.2	.3	.6	9.
%RSD	1.32	2.19	7.58	3.67	2.11	7.51	3.07	2.08	1.72	2.32	4.60	5.63

Elem	Mg2802	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**443.**	**9.82**	**11.7**	**12.2**	**9.89**	**24.0**	**25.6**	**22.7**	**12.3**	**12.9**
Stddev	14.	.69	.5	.1	.27	2.4	2.6	1.8	.1	.1
%RSD	3.27	7.04	4.08	.793	2.75	10.2	10.1	8.09	.511	.943

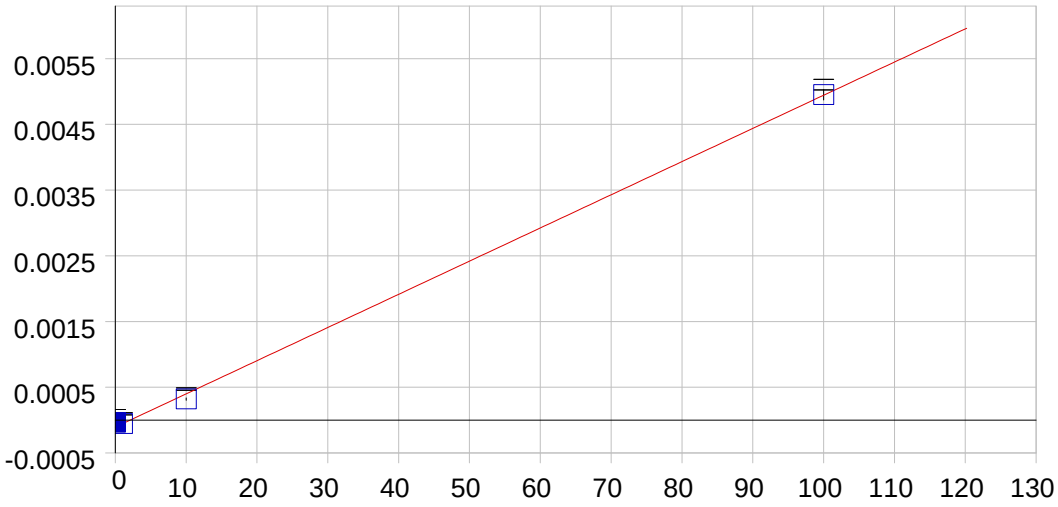
Int. Std.	Y_3600
Units	Cts/S
Avg	**42698.**
Stddev	129.
%RSD	.30296

Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)	Correlation	Std Error of Est	Predicted MDL	Predicted MQL
Ag 328.068 {103}	08/21/2013 11:34:24	08/20/2013 15:36:32	Linear	None	-0.000524	0.000134	0.000000	1.000000	0.999704	0.000194	0.736885	2.456283
Al 309.271 {109}	08/21/2013 11:34:24	08/20/2013 15:51:37	Curvilin	1/Conc	0.000018	0.000004	-0.000000	1.000000	0.999987	0.000014	21.937349	73.124498
Al 396.152 { 85}	08/21/2013 11:34:24	08/20/2013 15:59:38	Curvilin	1/Conc	-0.000040	0.000011	0.000000	1.000000	0.999947	0.000728	10.973095	36.576985
Al 167.079 {502}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	None	0.000175	0.000014	0.000000	1.000000	0.999795	0.000145	0.504911	1.683036
As 193.759 {474}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	None	-0.000007	0.000008	0.000000	1.000000	0.999981	0.000025	1.992506	6.641686
As 189.042 {479}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	None	-0.000007	0.000002	0.000000	1.000000	0.999999	0.000013	5.039925	16.799750
Ba 455.403 { 74}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	None	0.000798	0.000769	0.000000	1.000000	1.000000	0.000555	0.213683	0.712277
Ba 493.409 { 68}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	None	-0.020546	0.000626	0.000000	1.000000	0.999974	0.026866	0.586925	1.956417
Be 313.042 {108}	08/21/2013 11:34:24	08/20/2013 15:36:32	Linear	1/Conc	0.000137	0.000252	0.000000	1.000000	0.998728	0.000003	0.158945	0.529816
Be 234.861 {144}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	1/Conc	-0.000019	0.000026	0.000000	1.000000	0.999948	0.000005	0.912699	3.042331
Ca 317.933 {106}	08/21/2013 11:34:24	08/20/2013 15:59:38	Curvilin	1/Conc	0.016164	0.000009	-0.000000	1.000000	0.999995	0.000045	4.811982	16.039939
Ca 393.366 { 86}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	None	0.030572	0.001772	0.000000	1.000000	0.999765	0.022434	0.055556	0.185187
Ca 396.847 { 85}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	None	-0.002875	0.000700	0.000000	1.000000	0.999988	0.020283	0.105032	0.350106
Cd 226.502 {449}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	None	0.000236	0.000239	0.000000	1.000000	0.999986	0.000474	0.106455	0.354851
Cd 228.802 {447}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	1/Conc	0.000066	0.000257	0.000000	1.000000	0.999863	0.000077	0.115608	0.385360
Co 228.616 {447}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	1/Conc	-0.000030	0.000142	0.000000	1.000000	0.999793	0.000009	0.187306	0.624352
Co 238.892 {141}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	1/Conc	0.000054	0.000006	0.000000	1.000000	0.999786	0.000021	5.748911	19.163037
Cr 267.716 {126}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	None	0.000328	0.000227	0.000000	1.000000	0.999987	0.000517	0.444144	1.480479
Cr 283.563 {119}	08/21/2013 11:34:24	08/20/2013 15:47:38	Linear	None	-0.000098	0.000015	0.000000	1.000000	1.000000	0.000591	2.894027	9.646757
Cu 224.700 {450}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	1/Conc	-0.000002	0.000060	0.000000	1.000000	0.999903	0.000007	0.432379	1.441262
Cu 324.754 {104}	08/21/2013 11:34:24	08/20/2013 15:47:38	Linear	1/Conc	0.002114	0.000023	0.000000	1.000000	0.999954	0.000030	3.023583	10.078610
Cu 327.396 {103}	08/21/2013 11:34:24	08/20/2013 15:47:38	Linear	1/Conc	-0.000267	0.000009	0.000000	1.000000	0.999959	0.000005	9.042839	30.142796
Fe 234.349 {144}	08/21/2013 11:34:24	08/20/2013 15:59:38	Full Fit	1/Conc	0.000025	0.000002	0.000000	0.980000	0.999995	0.000007	11.314856	37.716187
Fe 239.562 {141}	08/21/2013 11:34:24	08/20/2013 15:51:37	Linear	None	0.000513	0.000002	0.000000	1.000000	0.999969	0.000939	9.164291	30.547638
Fe 259.940 {130}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	1/Conc	0.000044	0.000007	0.000000	1.000000	0.999309	0.000005	4.779997	15.933322
Mg 202.582 {466}	08/21/2013 11:34:24	08/20/2013 15:59:38	Full Fit	1/Conc	-0.000115	0.000023	-0.000000	0.940000	0.999983	0.000448	0.857085	2.856949
Mg 279.079 {121}	08/21/2013 11:34:24	08/20/2013 15:59:38	Linear	1/Conc	-0.000013	0.000000	0.000000	1.000000	0.999810	0.000038	53.876190	179.587301
Mg 280.270 {120}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	None	-0.001220	0.000125	0.000000	1.000000	0.999983	0.003650	0.185574	0.618578
Mn 257.610 {131}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	1/Conc	0.000016	0.000036	0.000000	1.000000	0.999679	0.000003	0.677226	2.257421
Mn 259.373 {130}	08/21/2013 11:34:24	08/20/2013 15:47:38	Linear	1/Conc	-0.000011	0.000045	0.000000	1.000000	0.999899	0.000300	0.856405	2.854685
Mo 203.844 {465}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	1/Conc	0.000080	0.000050	0.000000	1.000000	0.999712	0.000002	0.435210	1.450699
Mo 202.030 {467}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	1/Conc	0.000011	0.000051	0.000000	1.000000	0.999880	0.000003	0.286391	0.954636
Mo 204.598 {465}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	None	-0.000040	0.000024	0.000000	1.000000	0.999999	0.000168	0.666628	2.222094
Ni 221.647 {452}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	None	0.000877	0.000096	0.000000	1.000000	0.999998	0.001031	0.331316	1.104385
Ni 231.604 {445}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	1/Conc	0.000027	0.000126	0.000000	1.000000	0.999745	0.000008	0.325693	1.085642
Pb 216.999 {455}	08/21/2013 11:34:24	08/20/2013 15:47:38	Curvilin	1/Conc	0.000036	0.000009	-0.000000	1.000000	0.999987	0.000007	2.786811	9.289371
Pb 220.353 {453}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	None	0.000117	0.000024	0.000000	1.000000	0.999976	0.000084	1.042781	3.475936
Sb 206.833 {463}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	1/Conc	0.000011	0.000012	0.000000	1.000000	0.999975	0.000001	1.511882	5.039608
Sb 217.581 {455}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	1/Conc	-0.000068	0.000013	0.000000	1.000000	0.999747	0.000001	2.135439	7.118131
Se 196.090 {172}	08/21/2013 11:34:24	08/20/2013 15:43:45	Curvilin	1/Conc	0.000013	0.000005	-0.000000	1.000000	0.999779	0.000002	6.369889	21.232963
Se 196.090 {472}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	1/Conc	0.000000	0.000006	0.000000	1.000000	0.999957	0.000001	2.421807	8.072690
Se 206.279 {463}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	1/Conc	-0.000065	0.000001	0.000000	1.000000	0.999988	0.000001	21.077758	70.259195
Tl 276.787 {122}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	None	-0.000015	0.000000	0.000000	1.000000	0.999973	0.000015	159.942783	533.142611
Tl 190.856 {477}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	1/Conc	-0.000014	0.000007	0.000000	1.000000	0.999700	0.000001	1.691514	5.638380

	Element, Wavelength and Order	Status	Reslope		QC Norm	
			Slope	Y-int	Slope factor	Offset
	Ag 328.068 {103}	OK.	1.000000	0.000000	1	0
	Al 309.271 {109}	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	OK.	1.000000	0.000000	1	0
	Al 167.079 {502}	OK.	1.000000	0.000000	1	0
	As 193.759 {474}	OK.	1.000000	0.000000	1	0
	As 189.042 {479}	OK.	1.000000	0.000000	1	0
	Ba 455.403 { 74}	OK.	1.000000	0.000000	1	0
	Ba 493.409 { 68}	OK.	1.000000	0.000000	1	0
	Be 313.042 {108}	OK.	1.000000	0.000000	1	0
	Be 234.861 {144}	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	OK.	1.000000	0.000000	1	0
	Ca 393.366 { 86}	OK.	1.000000	0.000000	1	0
	Ca 396.847 { 85}	OK.	1.000000	0.000000	1	0
	Cd 226.502 {449}	OK.	1.000000	0.000000	1	0
	Cd 228.802 {447}	OK.	1.000000	0.000000	1	0
	Co 228.616 {447}	OK.	1.000000	0.000000	1	0
	Co 238.892 {141}	OK.	1.000000	0.000000	1	0
	Cr 267.716 {126}	OK.	1.000000	0.000000	1	0
	Cr 283.563 {119}	OK.	1.000000	0.000000	1	0
	Cu 224.700 {450}	OK.	1.000000	0.000000	1	0
	Cu 324.754 {104}	OK.	1.000000	0.000000	1	0
	Cu 327.396 {103}	OK.	1.000000	0.000000	1	0
	Fe 234.349 {144}	OK.	1.000000	0.000000	1	0
	Fe 239.562 {141}	OK.	1.000000	0.000000	1	0
	Fe 259.940 {130}	OK.	1.000000	0.000000	1	0
	Mg 202.582 {466}	OK.	1.000000	0.000000	1	0
	Mg 279.079 {121}	OK.	1.000000	0.000000	1	0
	Mg 280.270 {120}	OK.	1.000000	0.000000	1	0
	Mn 257.610 {131}	OK.	1.000000	0.000000	1	0
	Mn 259.373 {130}	OK.	1.000000	0.000000	1	0
	Mo 203.844 {465}	OK.	1.000000	0.000000	1	0
	Mo 202.030 {467}	OK.	1.000000	0.000000	1	0
	Mo 204.598 {465}	OK.	1.000000	0.000000	1	0
	Ni 221.647 {452}	OK.	1.000000	0.000000	1	0
	Ni 231.604 {445}	OK.	1.000000	0.000000	1	0
	Pb 216.999 {455}	OK.	1.000000	0.000000	1	0
	Pb 220.353 {453}	OK.	1.000000	0.000000	1	0
	Sb 206.833 {463}	OK.	1.000000	0.000000	1	0
	Sb 217.581 {455}	OK.	1.000000	0.000000	1	0
	Se 196.090 {172}	OK.	1.000000	0.000000	1	0
	Se 196.090 {472}	OK.	1.000000	0.000000	1	0
	Se 206.279 {463}	OK.	1.000000	0.000000	1	0
	Tl 276.787 {122}	OK.	1.000000	0.000000	1	0
	Tl 190.856 {477}	OK.	1.000000	0.000000	1	0

	Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)	Correlation	Std Error of Est	Predicted MDL	Predicted MQL
	V 290.882 {116}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	1/Conc	0.000009	0.000012	0.000000	1.000000	0.999750	0.000050	5.325824	17.752746
	V 292.402 {115}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	1/Conc	0.000078	0.000328	0.000000	1.000000	0.999779	0.000029	0.499305	1.664351
	Zn 206.200 {463}	08/21/2013 11:34:24	08/20/2013 15:47:38	Full Fit	None	0.000087	0.000125	-0.000000	1.000000	1.000000	0.000000	0.164062	0.546873
	Zn 213.856 {458}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	1/Conc	0.000142	0.000096	0.000000	1.000000	0.999637	0.000011	0.165346	0.551152
	Y 360.073 { 94}*	08/21/2013 11:34:24	08/20/2013 15:05:49	Linear	None	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	-1.000000	-1.000000
	Na 330.298 {102}	08/21/2013 11:34:24	08/20/2013 15:47:38	Linear	1/Conc	0.000016	-0.000000	0.000000	1.000000	1.000000	0.000000	-1.000000	-1.000000
	Si 251.611 {134}	08/21/2013 11:34:24	08/20/2013 15:39:50	Linear	None	0.000167	0.000000	0.000000	1.000000	1.000000	0.000000	1445.11103	4817.03679
	Ti 334.941 {101}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	1/Conc	0.000003	0.000048	0.000000	1.000000	0.999682	0.000005	1.124223	3.747411
	Ti 337.280 {100}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	1/Conc	-0.000137	0.000060	0.000000	1.000000	0.999697	0.000006	1.228762	4.095873
	Sr 407.771 { 83}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	1/Conc	-0.008819	0.001148	0.000000	1.000000	0.999899	0.000064	0.117850	0.392832
	Sr 421.552 { 80}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	1/Conc	-0.000190	0.000998	0.000000	1.000000	0.999792	0.000080	0.123122	0.410406
	Sn 189.989 {477}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	1/Conc	0.000030	0.000023	0.000000	1.000000	0.999898	0.000003	0.555551	1.851836
	Sn 283.999 {119}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	1/Conc	-0.000030	0.000001	0.000000	1.000000	0.999266	0.000002	36.809658	122.698860
	B 249.773 {135}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	1/Conc	0.000029	0.000005	0.000000	1.000000	0.999333	0.000002	6.732265	22.440884
	Li 670.784 { 50}	08/21/2013 11:34:24	08/20/2013 15:43:45	Linear	1/Conc	0.000307	0.000251	0.000000	1.000000	0.999669	0.000088	1.080501	3.601671

	Element, Wavelength and Order	Status	Reslope		QC Norm	
			Slope	Y-int	Slope factor	Offset
	V 290.882 {116}	OK.	1.000000	0.000000	1	0
	V 292.402 {115}	OK.	1.000000	0.000000	1	0
	Zn 206.200 {463}	OK.	1.000000	0.000000	1	0
	Zn 213.856 {458}	OK.	1.000000	0.000000	1	0
	Y 360.073 { 94}*	Warnin	1.000000	0.000000	1	0
	Na 330.298 {102}	Warnin	1.000000	0.000000	1	0
	Si 251.611 {134}	OK.	1.000000	0.000000	1	0
	Ti 334.941 {101}	OK.	1.000000	0.000000	1	0
	Ti 337.280 {100}	OK.	1.000000	0.000000	1	0
	Sr 407.771 { 83}	OK.	1.000000	0.000000	1	0
	Sr 421.552 { 80}	OK.	1.000000	0.000000	1	0
	Sn 189.989 {477}	OK.	1.000000	0.000000	1	0
	Sn 283.999 {119}	OK.	1.000000	0.000000	1	0
	B 249.773 {135}	OK.	1.000000	0.000000	1	0
	Li 670.784 { 50}	OK.	1.000000	0.000000	1	0

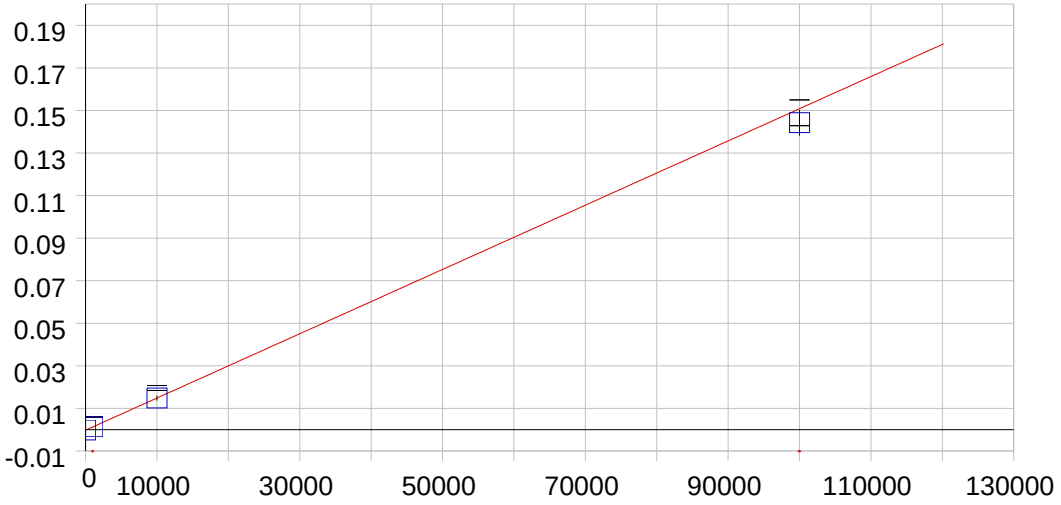


Ag 328.068 {103}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	-0.000106	Re-Slope:	1.000000
A1 (Gain):	0.000050	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999684	Status:	OK.
Std Error of Est:	0.000075		
Predicted MDL:	0.927770		
Predicted MQL:	3.092566		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	1.3955	1.40	.000	-.00004	.000	1
CalibStd=10	10.000	8.4273	-1.57	-15.7	.00032	.000	1
CalibStd=1	1.0000	1.0201	.020	2.01	-.00005	.000	1
CalibStd=100	100.00	100.16	.157	.157	.00495	.000	1

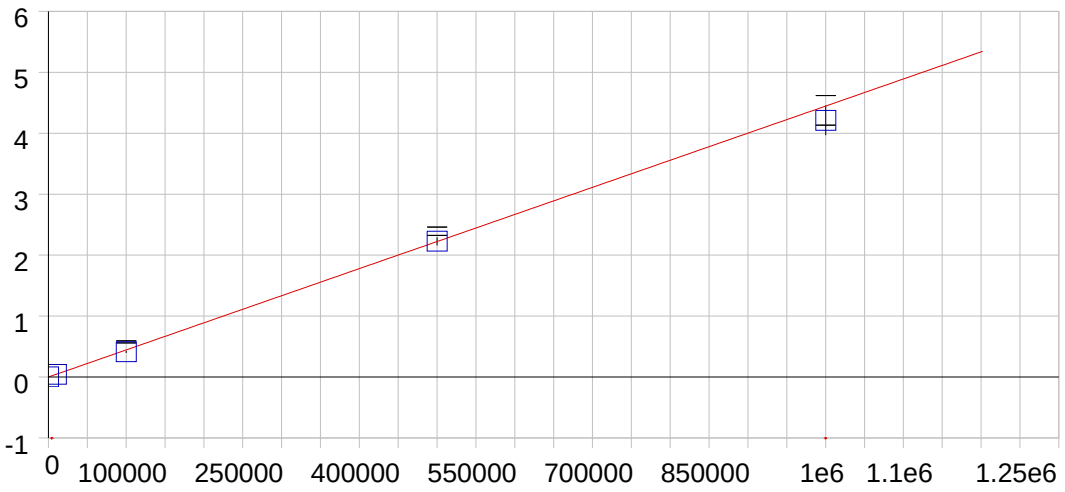


Al 309.271 {109}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Curvilinear	Weighting:	1/Conc

A0 (Offset):	-0.000228	Re-Slope:	1.000000
A1 (Gain):	0.000002	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999998	Status:	OK.
Std Error of Est:	0.000002		
Predicted MDL:	28.156799		
Predicted MQL:	93.855997		

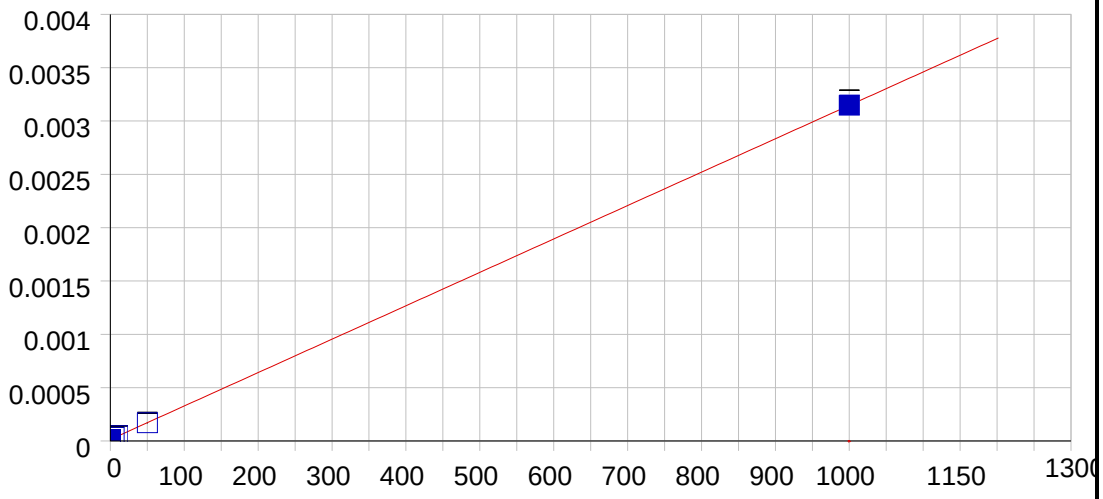
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.01627	.016	.000	-.00023	.000	1
CalibStd=100	10000.	9976.1	-23.9	-.239	.01484	.001	1
CalibStd=100	1000.0	981.30	-18.7	-1.87	.00125	.000	1
CalibStd-100	100000.	95601.	-4400.	-4.40	.14418	.006	1



Al 396.152 { 85}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Curvilinear	Weighting:	1/Conc
A0 (Offset):	-0.000017		Re-Slope:	1.000000	
A1 (Gain):	0.000004		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.999719		Status:	OK.	
Std Error of Est:	0.000644				
Predicted MDL:	11.523010				
Predicted MQL:	38.410034				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.67766	.678	.000	-.00001	.000	1
CalibStd-100	1000000.	946900.	-53100.	-5.31	4.2104	.243	1
CalibStd=500	500000.	500950.	951.	.190	2.2275	.068	1
CalibStd=100	10000.	9809.3	-191.	-1.91	.04360	.003	1
CalibStd-100	100000.	92619.	-7380.	-7.38	.41182	.017	1

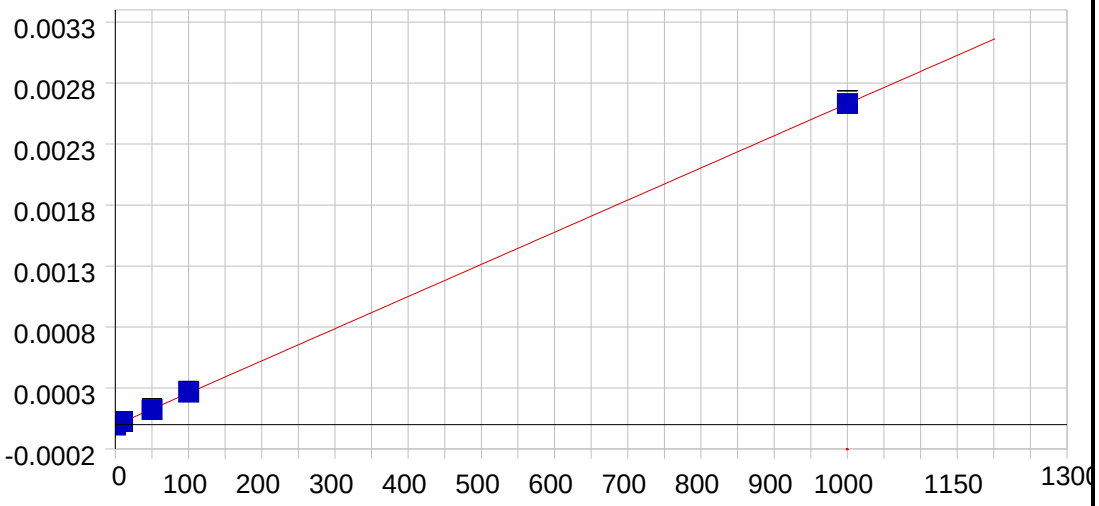


Al 167.079 {502}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000015	Re-Slope:	1.000000
A1 (Gain):	0.000003	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999999	Status:	OK.
Std Error of Est:	0.000003		
Predicted MDL:	1.143024		
Predicted MQL:	3.810079		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.73300	-.733	.000	.00001	.000	1
CalibStd=100	1000.0	1000.0	.023	.002	.00315	.000	1
CalibStd=10	10.000	10.498	.498	4.98	.00005	.000	1
CalibStd=5	5.0000	5.8535	.854	17.1	.00003	.000	1
CalibStd=50	50.000	49.359	-.641	-1.28	.00017	.000	1

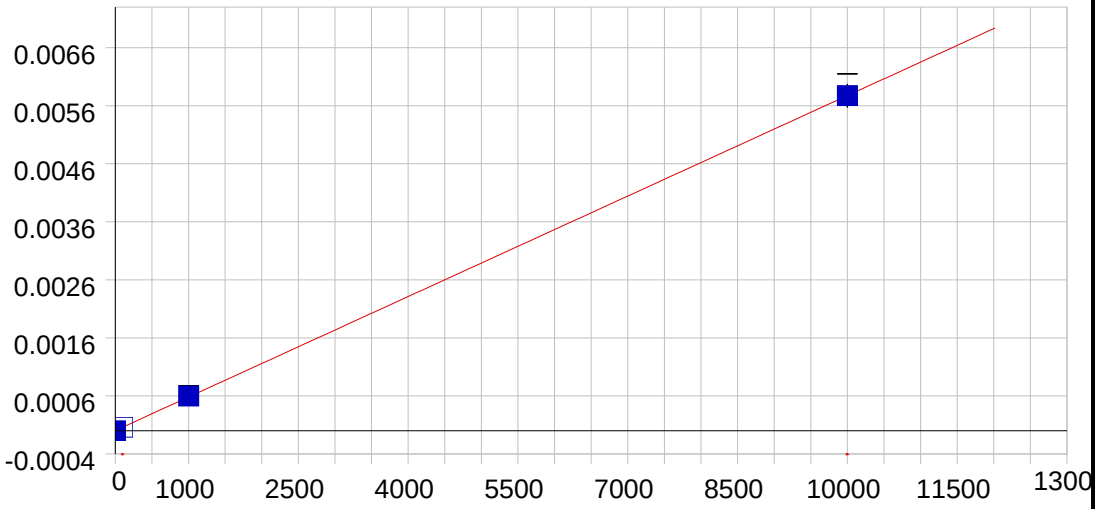


As 193.759 {474}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	-0.000005	Re-Slope:	1.000000
A1 (Gain):	0.000003	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999994	Status:	OK.
Std Error of Est:	0.000004		
Predicted MDL:	2.702047		
Predicted MQL:	9.006823		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.47077	-.471	.000	-.00001	.000	1
CalibStd=100	1000.0	999.89	-.115	-.011	.00263	.000	1
CalibStd=50	50.000	48.067	-1.93	-3.87	.00012	.000	1
CalibStd=10	10.000	10.449	.449	4.49	.00002	.000	1
CalibStd=100	100.00	102.07	2.07	2.07	.00026	.000	1

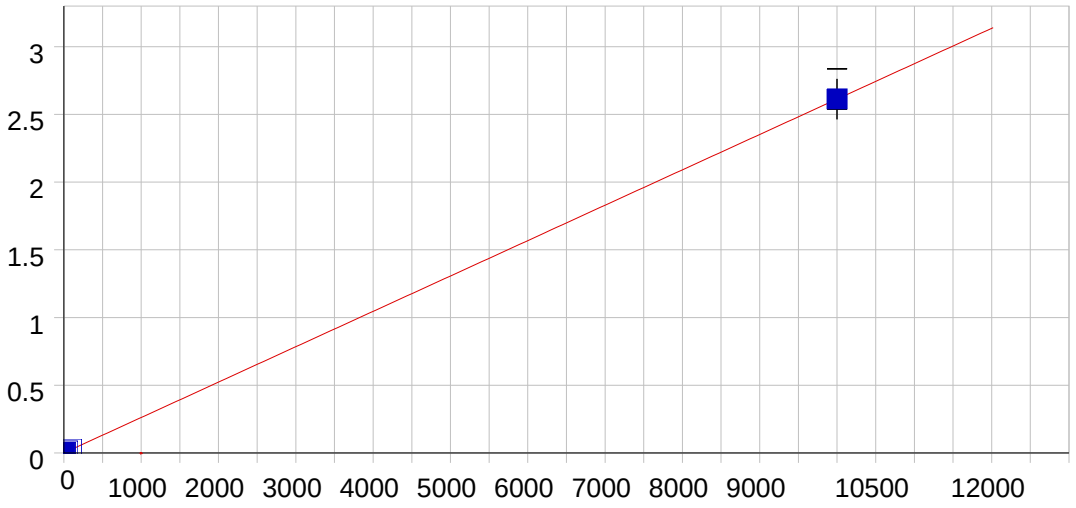


As 189.042 {479}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000004	Re-Slope:	1.000000
A1 (Gain):	0.000001	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999994	Status:	OK.
Std Error of Est:	0.000012		
Predicted MDL:	8.008856		
Predicted MQL:	26.696188		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-14.063	-14.1	.000	.00000	.000	1
CalibStd=100	1000.0	1024.5	24.5	2.45	.00059	.000	1
CalibStd=100	10000.	9997.6	-2.37	-.024	.00577	.000	1
CalibStd=100	100.00	91.975	-8.03	-8.03	.00006	.000	1

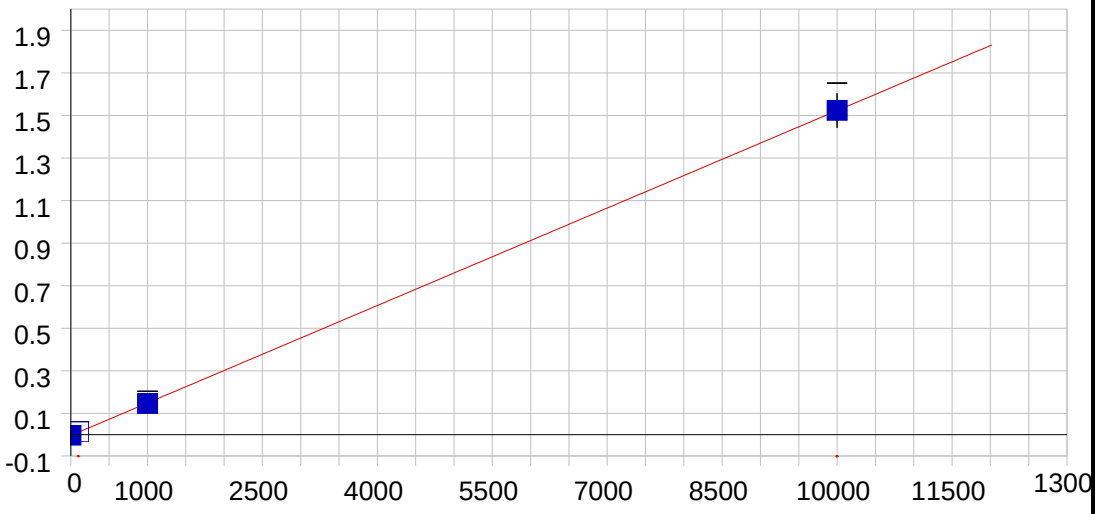


Ba 455.403 { 74}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000709	Re-Slope:	1.000000
A1 (Gain):	0.000261	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.000598		
Predicted MDL:	0.334843		
Predicted MQL:	1.116144		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-1.8212	-1.82	.000	.00023	.000	1
CalibStd=50	50.000	50.476	.476	.953	.01390	.000	1
CalibStd=10	10.000	9.0382	-.962	-9.62	.00307	.000	1
CalibStd=20	20.000	19.409	-.591	-2.95	.00578	.000	1
CalibStd=100	100.00	104.39	4.39	4.39	.02798	.000	1
CalibStd=5	5.0000	3.5470	-1.45	-29.1	.00164	.000	1
CalibStd=100	10000.	10000.0	-.043	.000	2.6132	.149	1

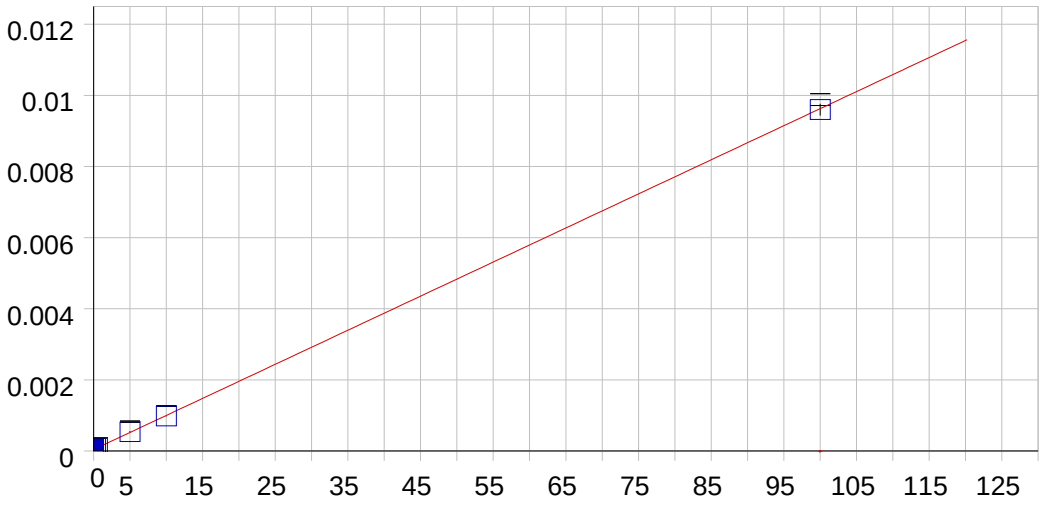


Ba 493.409 { 68}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	-0.003892	Re-Slope:	1.000000
A1 (Gain):	0.000153	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999997	Status:	OK.
Std Error of Est:	0.002337		
Predicted MDL:	1.145964		
Predicted MQL:	3.819881		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	5.2688	5.27	.000	-.00309	.000	1
CalibStd=100	1000.0	982.14	-17.9	-1.79	.14607	.010	1
CalibStd=100	10000.	10002.	1.68	.017	1.5233	.081	1
CalibStd=100	100.00	110.91	10.9	10.9	.01304	.000	1

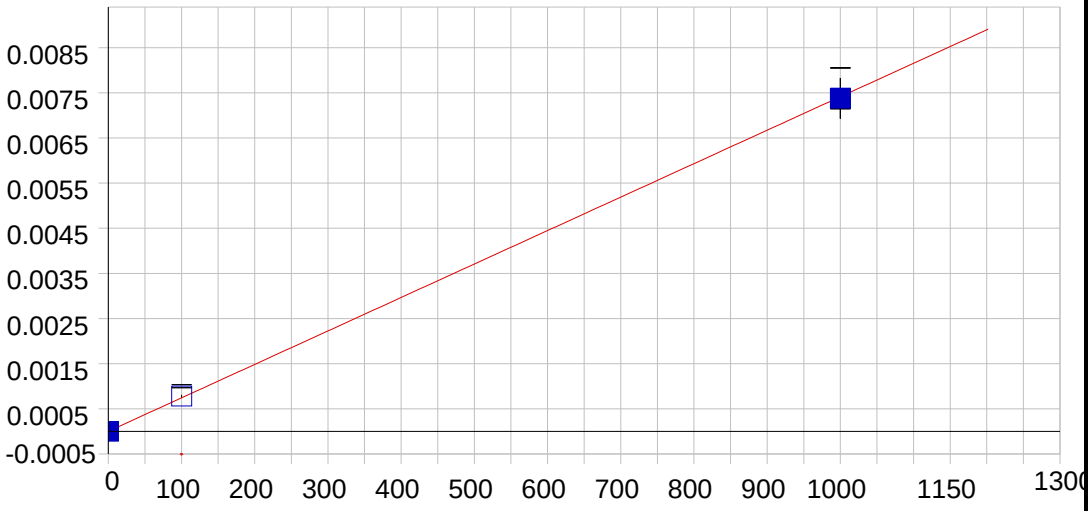


Be 313.042 {108}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000041	Re-Slope:	1.000000
A1 (Gain):	0.000096	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999118	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	0.177383		
Predicted MQL:	0.591276		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00025	.000	.000	.00004	.000	1
CalibStd=10	10.000	9.7962	-.204	-2.04	.00098	.000	1
CalibStd=100	100.00	99.710	-.290	-.290	.00960	.000	1
CalibStd=0.5	.50000	.57118	.071	14.2	.00010	.000	1
CalibStd=5	5.0000	5.2100	.210	4.20	.00054	.000	1
CalibStd=0.2	.25000	.46227	.212	84.9	.00009	.000	1

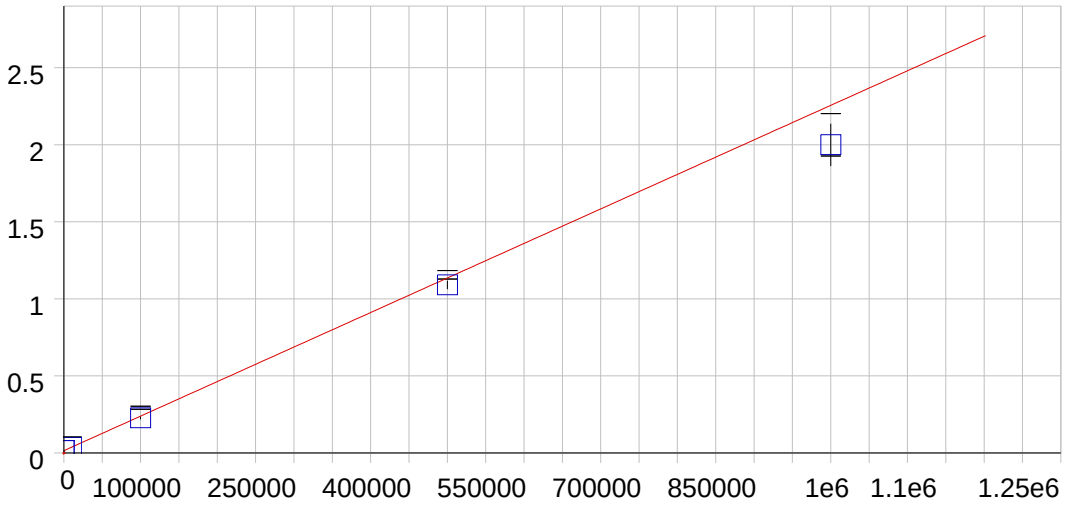


Be 234.861 {144}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000002	Re-Slope:	1.000000
A1 (Gain):	0.000007	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999885	Status:	OK.
Std Error of Est:	0.000002		
Predicted MDL:	1.472293		
Predicted MQL:	4.907643		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00431	-.004	.000	.00000	.000	1
CalibStd=100	1000.0	995.21	-4.79	-.479	.00738	.000	1
CalibStd=100	100.00	104.79	4.79	4.79	.00078	.000	1

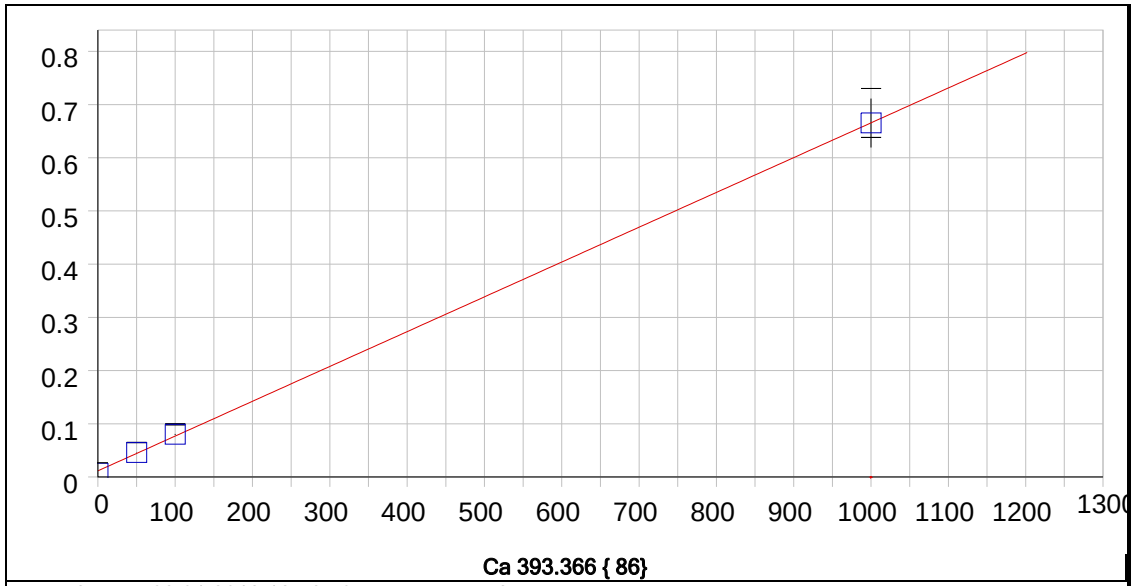


Ca 317.933 {106}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Curvilinear	Weighting:	1/Conc

A0 (Offset):	0.014952	Re-Slope:	1.000000
A1 (Gain):	0.000002	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999889	Status:	OK.
Std Error of Est:	0.000055		
Predicted MDL:	7.872259		
Predicted MQL:	26.240863		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.13002	.130	.000	.01495	.000	1
CalibStd=100	10000.	9710.4	-290.	-2.90	.03671	.002	1
CalibStd=500	500000.	480020.	-20000.	-4.00	1.0906	.027	1
CalibStd-100	1000000.	885610.	-114000.	-11.4	1.9995	.138	1
CalibStd=100	1000.0	924.87	-75.1	-7.51	.01702	.000	1
CalibStd-100	100000.	94974.	-5030.	-5.03	.22778	.010	1

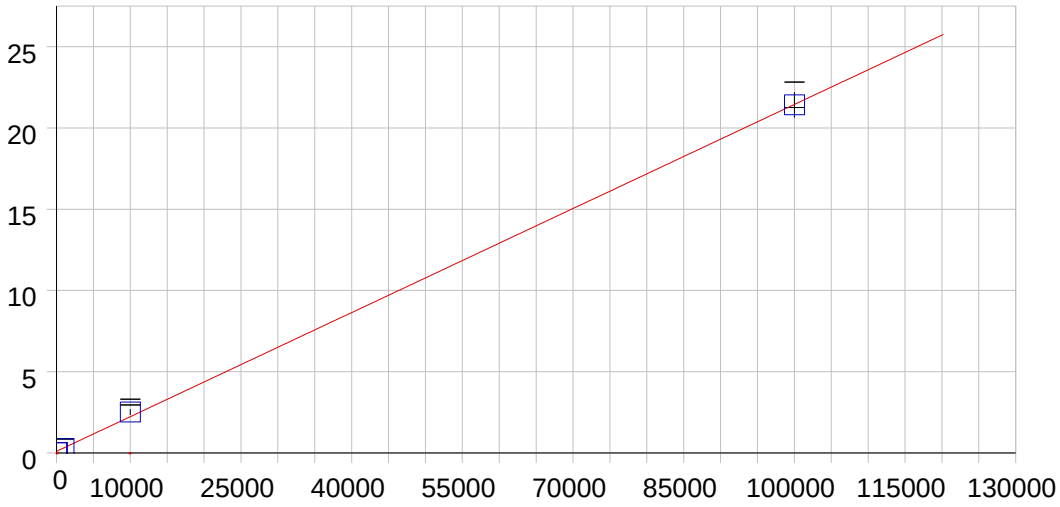


Ca 393.366 { 86}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.011447	Re-Slope:	1.000000
A1 (Gain):	0.000654	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999949	Status:	OK.
Std Error of Est:	0.003852		
Predicted MDL:	0.062960		
Predicted MQL:	0.209867		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-6.4228	-6.42	.000	.00725	.000	1
CalibStd=50	50.000	52.252	2.25	4.50	.04563	.000	1
CalibStd=100	1000.0	999.41	-.589	-.059	.66530	.046	1
CalibStd=100	100.00	104.76	4.76	4.76	.07999	.001	1

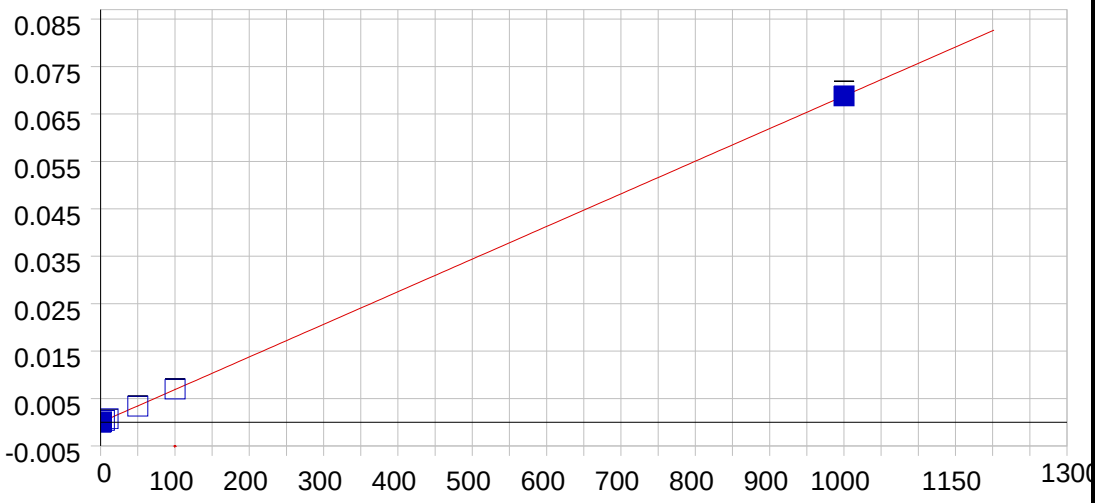


Ca 396.847 { 85}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.099374	Re-Slope:	1.000000
A1 (Gain):	0.000213	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999859	Status:	OK.
Std Error of Est:	0.180680		
Predicted MDL:	0.148090		
Predicted MQL:	0.493633		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-453.11	-453.	.000	.00265	.000	1
CalibStd=100	10000.	11291.	1290.	12.9	2.5094	.175	1
CalibStd=100	100.00	-323.22	-423.	-423.	.03038	.000	1
CalibStd=100	1000.0	711.39	-289.	-28.9	.25122	.017	1
CalibStd-100	100000.	99874.	-126.	-.126	21.418	.784	1

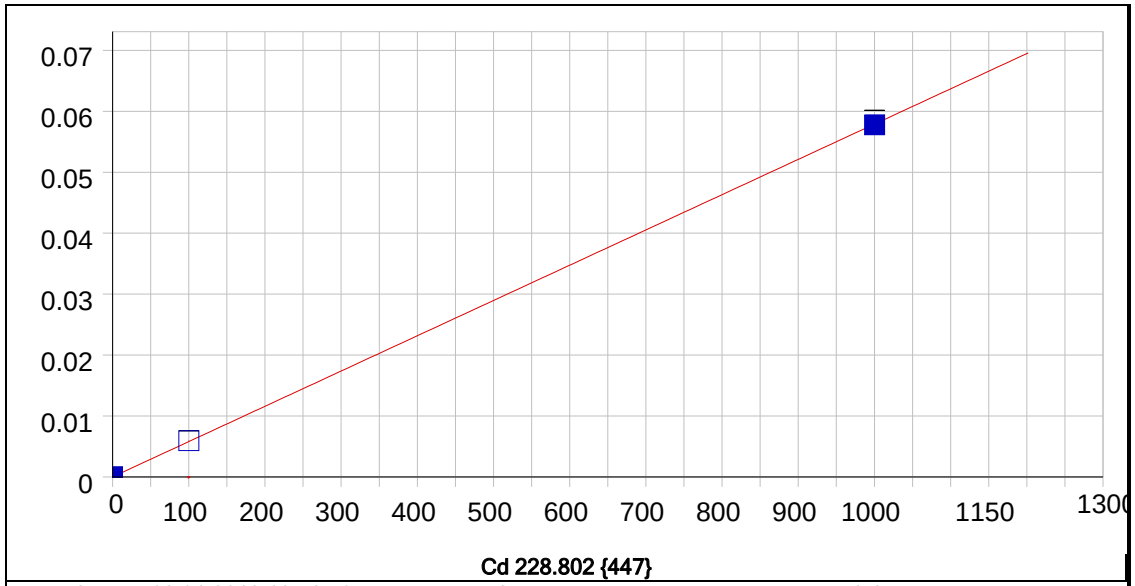


Cd 226.502 {449}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000003	Re-Slope:	1.000000
A1 (Gain):	0.000069	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999998	Status:	OK.
Std Error of Est:	0.000049		
Predicted MDL:	0.165076		
Predicted MQL:	0.550254		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.03248	.032	.000	.00001	.000	1
CalibStd=50	50.000	48.901	-1.10	-2.20	.00337	.000	1
CalibStd=1	1.0000	.78812	-.212	-21.2	.00006	.000	1
CalibStd=0.5	.50000	.36510	-.135	-27.0	.00003	.000	1
CalibStd=5	5.0000	5.1132	.113	2.26	.00035	.000	1
CalibStd=100	100.00	101.34	1.34	1.34	.00697	.000	1
CalibStd=10	10.000	10.040	.040	.401	.00069	.000	1
CalibStd=100	1000.0	999.92	-.080	-.008	.06880	.001	1

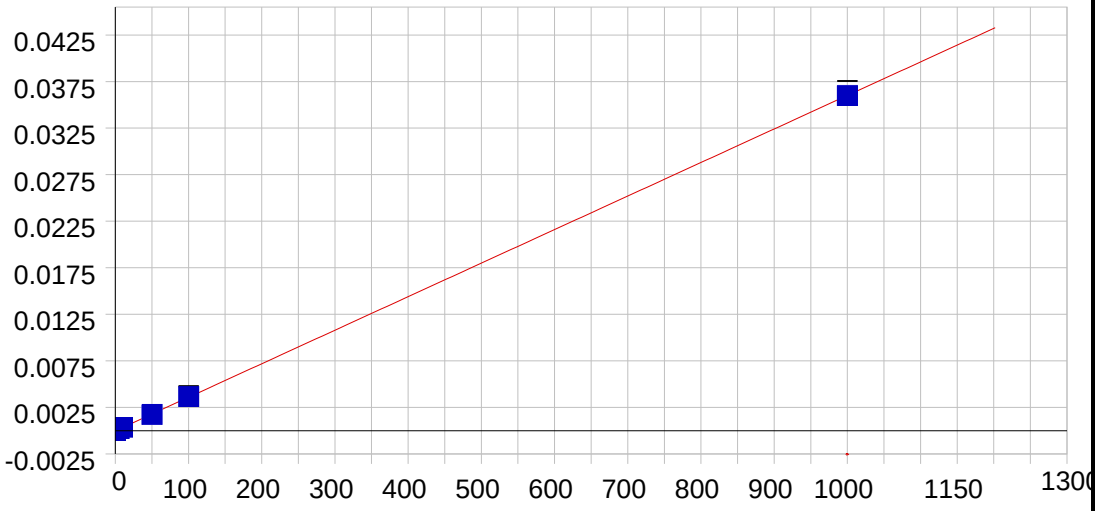


Cd 228.802 {447}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000015	Re-Slope:	1.000000
A1 (Gain):	0.000058	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999975	Status:	OK.
Std Error of Est:	0.000007		
Predicted MDL:	0.226557		
Predicted MQL:	0.755189		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00203	-.002	.000	.00002	.000	1
CalibStd=100	1000.0	997.75	-2.25	-.225	.05777	.001	1
CalibStd=100	100.00	102.25	2.25	2.25	.00593	.000	1

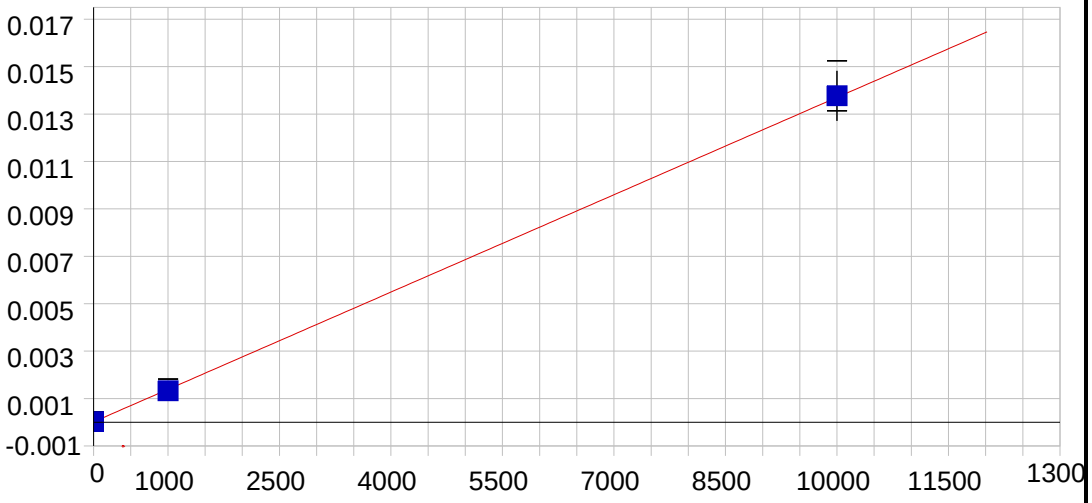


Co 228.616 {447}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000013	Re-Slope:	1.000000
A1 (Gain):	0.000036	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999966	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	0.324418		
Predicted MQL:	1.081395		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00021	.000	.000	-.00001	.000	1
CalibStd=50	50.000	48.556	-1.44	-2.89	.00174	.000	1
CalibStd=10	10.000	10.195	.195	1.95	.00035	.000	1
CalibStd=5	5.0000	5.1759	.176	3.52	.00017	.000	1
CalibStd=100	100.00	101.68	1.68	1.68	.00365	.000	1
CalibStd=100	1000.0	999.39	-.612	-.061	.03602	.000	1

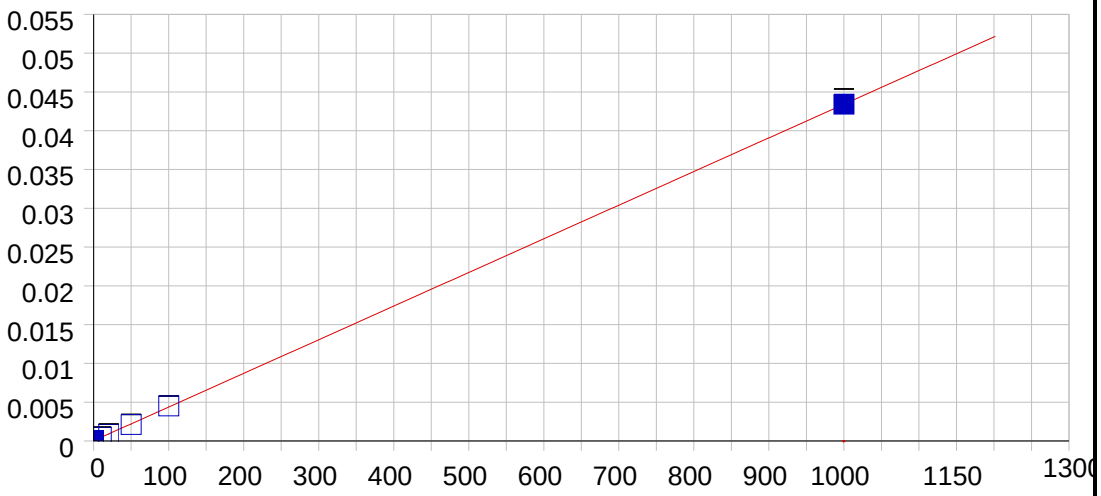


Co 238.892 {141}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000017	Re-Slope:	1.000000
A1 (Gain):	0.000001	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999888	Status:	OK.
Std Error of Est:	0.000004		
Predicted MDL:	10.067251		
Predicted MQL:	33.557505		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.04259	.043	.000	.00002	.000	1
CalibStd=100	1000.0	952.67	-47.3	-4.73	.00132	.000	1
CalibStd=100	10000.	10047.	47.3	.473	.01377	.001	1

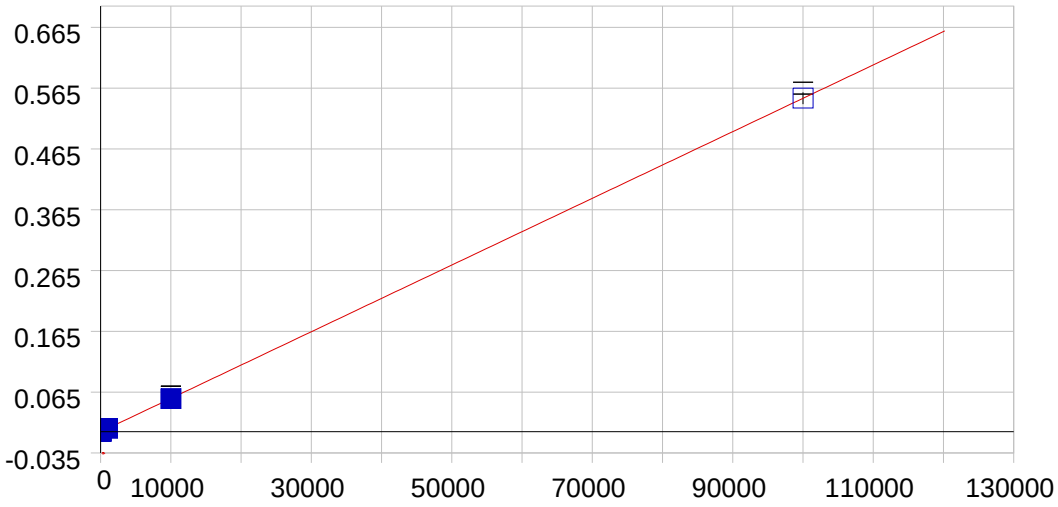


Cr 267.716 {126}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000035	Re-Slope:	1.000000
A1 (Gain):	0.000043	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999992	Status:	OK.
Std Error of Est:	0.000078		
Predicted MDL:	0.919249		
Predicted MQL:	3.064165		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00132	-.001	.000	.00004	.000	1
CalibStd=10	10.000	10.205	.205	2.05	.00048	.000	1
CalibStd=50	50.000	47.891	-2.11	-4.22	.00211	.000	1
CalibStd=100	1000.0	999.84	-.161	-.016	.04341	.001	1
CalibStd=20	20.000	19.280	-.720	-3.60	.00087	.000	1
CalibStd=100	100.00	102.79	2.79	2.79	.00449	.000	1

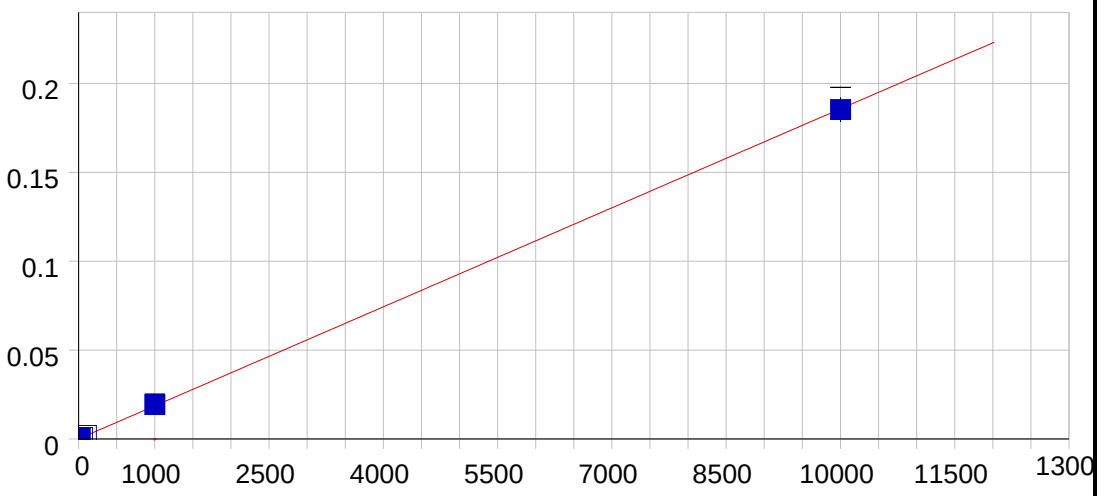


Cr 283.563 {119}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	-0.000181	Re-Slope:	1.000000
A1 (Gain):	0.000005	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999999	Status:	OK.
Std Error of Est:	0.000329		
Predicted MDL:	3.378397		
Predicted MQL:	11.261322		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	36.659	36.7	.000	.00002	.000	1
CalibStd=50	50.000	89.182	39.2	78.4	.00031	.000	1
CalibStd=100	100.00	137.81	37.8	37.8	.00057	.000	1
CalibStd=100	1000.0	972.71	-27.3	-2.73	.00516	.000	1
CalibStd=100	10000.	9903.8	-96.2	-.962	.05416	.004	1
CalibStd-100	100000.	100010.	9.84	.010	.54838	.010	1

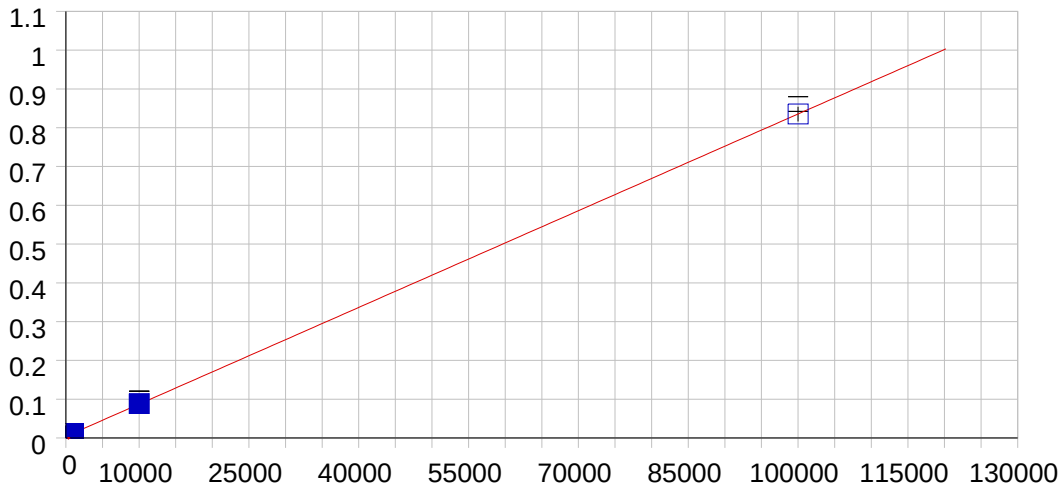


Cu 224.700 {450}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000059	Re-Slope:	1.000000
A1 (Gain):	0.000019	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999809	Status:	OK.
Std Error of Est:	0.000003		
Predicted MDL:	0.647474		
Predicted MQL:	2.158246		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00472	.005	.000	.00006	.000	1
CalibStd=100	1000.0	1032.2	32.2	3.22	.01923	.000	1
CalibStd=50	50.000	47.702	-2.30	-4.60	.00094	.000	1
CalibStd=100	100.00	105.37	5.37	5.37	.00202	.000	1
CalibStd=10	10.000	7.2503	-2.75	-27.5	.00019	.000	1
CalibStd=100	10000.	9972.9	-27.1	-.271	.18525	.007	1
CalibStd=5	5.0000	2.0917	-2.91	-58.2	.00010	.000	1
CalibStd=20	20.000	17.495	-2.50	-12.5	.00038	.000	1

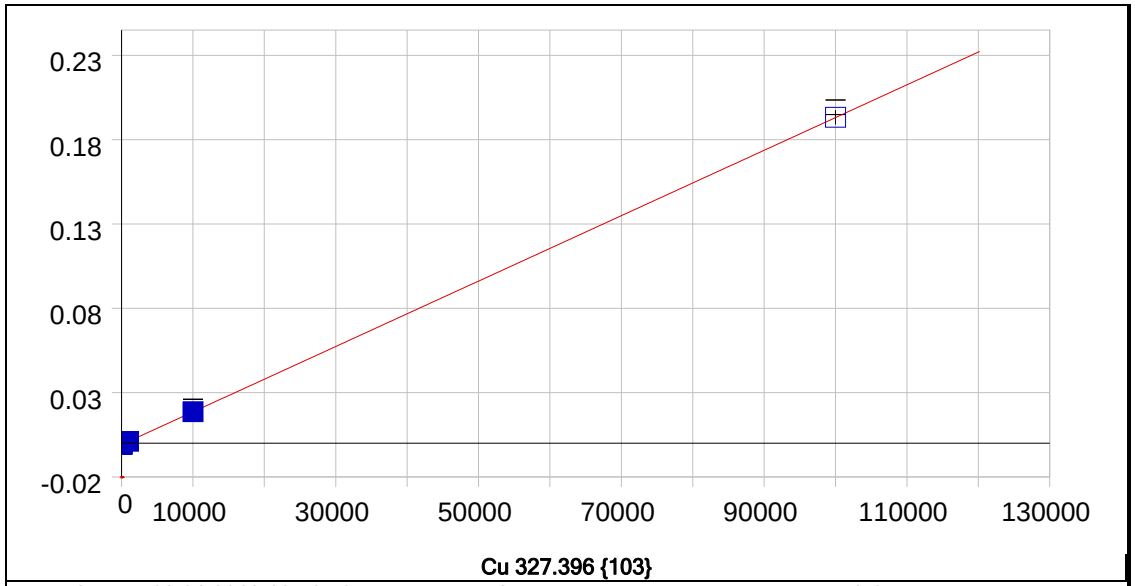


Cu 324.754 {104}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.004027	Re-Slope:	1.000000
A1 (Gain):	0.000008	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999974	Status:	OK.
Std Error of Est:	0.000008		
Predicted MDL:	3.512920		
Predicted MQL:	11.709733		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00568	.006	.000	.00403	.000	1
CalibStd=100	1000.0	933.03	-67.0	-6.70	.01178	.001	1
CalibStd=100	100.00	99.892	-.108	-.108	.00486	.000	1
CalibStd=100	10000.	10117.	117.	1.17	.08813	.006	1
CalibStd-100	100000.	99950.	-50.1	-.050	.83503	.019	1

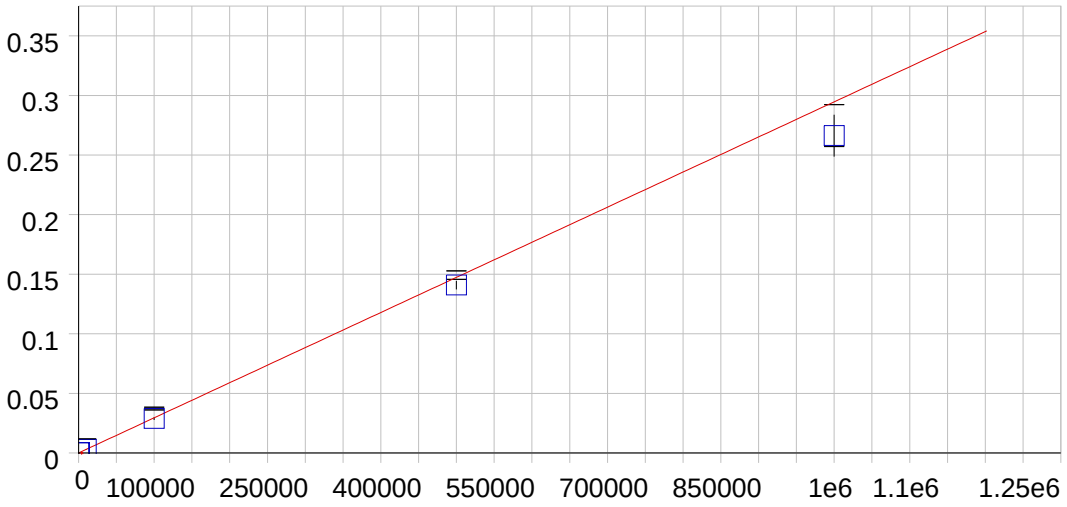


Cu 327.396 {103}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000815	Re-Slope:	1.000000
A1 (Gain):	0.000002	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999931	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	21.558355		
Predicted MQL:	71.861184		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.01937	.019	.000	-.00082	.000	1
CalibStd=20	20.000	4.9882	-15.0	-75.1	-.00081	.000	1
CalibStd=50	50.000	38.752	-11.2	-22.5	-.00074	.000	1
CalibStd=100	100.00	104.19	4.19	4.19	-.00061	.000	1
CalibStd=100	1000.0	963.08	-36.9	-3.69	.00105	.000	1
CalibStd=100	10000.	10017.	17.4	.174	.01861	.001	1
CalibStd-100	100000.	100040.	41.6	.042	.19320	.004	1

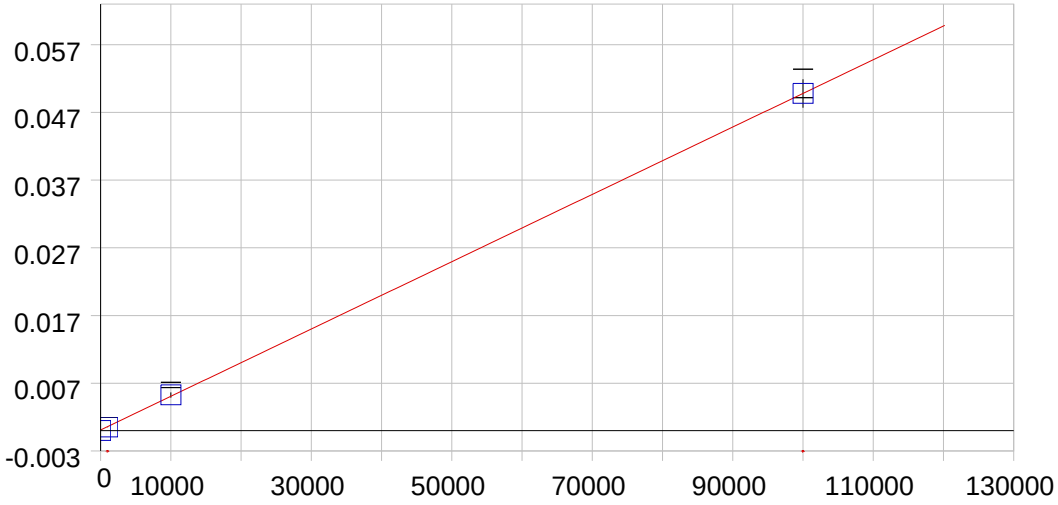


Fe 234.349 {144}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Full Fit	Weighting:	1/Conc

A0 (Offset):	0.000019	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999987	Status:	OK.
Std Error of Est:	0.000003		
Predicted MDL:	26.802255		
Predicted MQL:	89.340851		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00002	.000	1
CalibStd=100	10000.	10337.	337.	3.37	.00306	.000	1
CalibStd=500	500000.	477860.	-22100.	-4.43	.14080	.004	1
CalibStd-100	1000000.	903710.	-96300.	-9.63	.26627	.018	1
CalibStd=100	1000.0	988.84	-11.2	-1.12	.00031	.000	1
CalibStd-100	100000.	97706.	-2290.	-2.29	.02880	.001	1

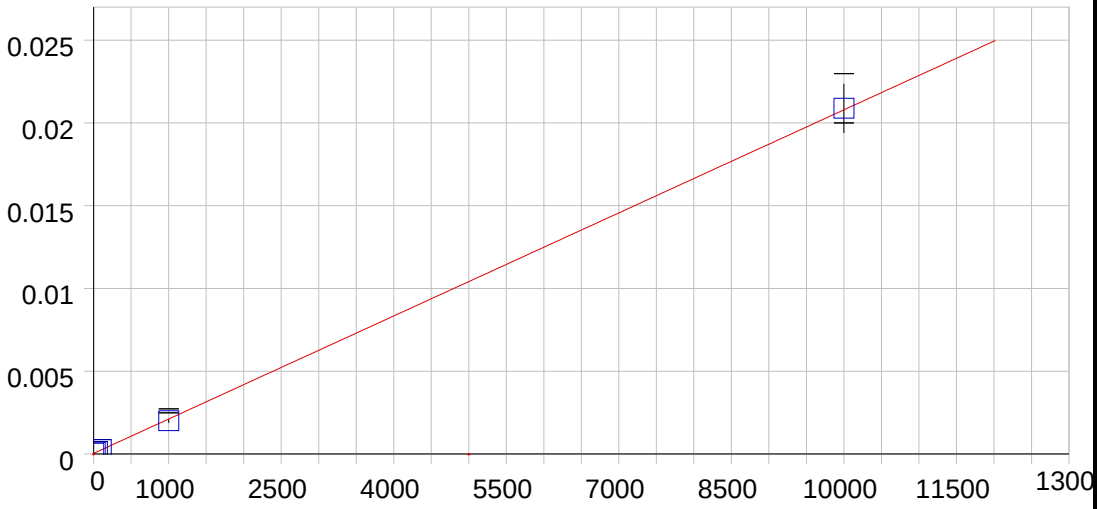


Fe 239.562 {141}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000097	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999985	Status:	OK.
Std Error of Est:	0.000161		
Predicted MDL:	16.700777		
Predicted MQL:	55.669256		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-183.82	-184.	.000	.00001	.000	1
CalibStd=100	1000.0	836.34	-164.	-16.4	.00051	.000	1
CalibStd=100	10000.	10384.	384.	3.84	.00526	.000	1
CalibStd-100	100000.	99963.	-36.8	-.037	.04979	.002	1

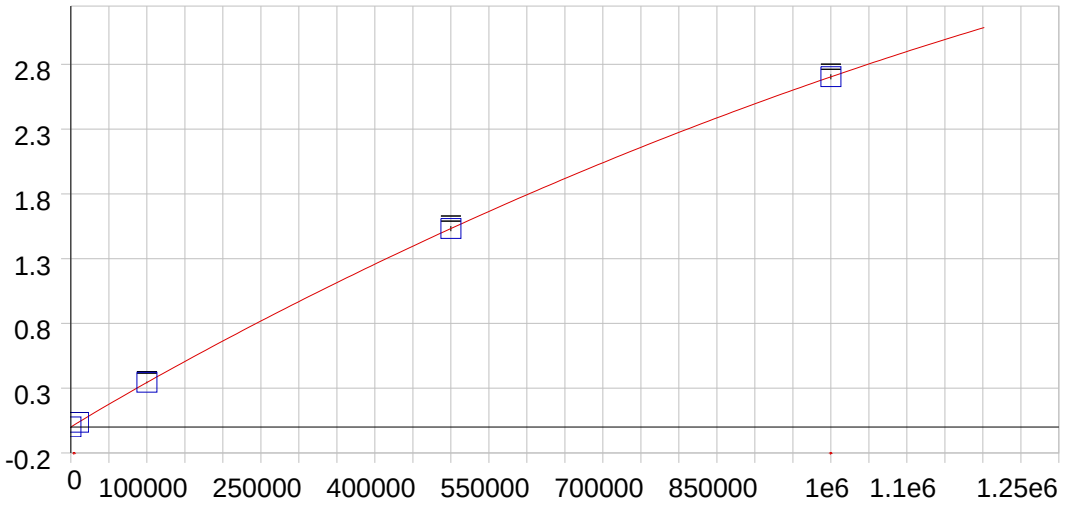


Fe 259.940 {130}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000035	Re-Slope:	1.000000
A1 (Gain):	0.000002	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999721	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	6.700456		
Predicted MQL:	22.334854		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00675	-.007	.000	.00004	.000	1
CalibStd=100	1000.0	945.96	-54.0	-5.40	.00200	.000	1
CalibStd=50	50.000	48.168	-1.83	-3.66	.00014	.000	1
CalibStd=100	100.00	104.88	4.88	4.88	.00025	.000	1
CalibStd=20	20.000	27.503	7.50	37.5	.00009	.000	1
CalibStd=100	10000.	10043.	43.5	.435	.02088	.001	1

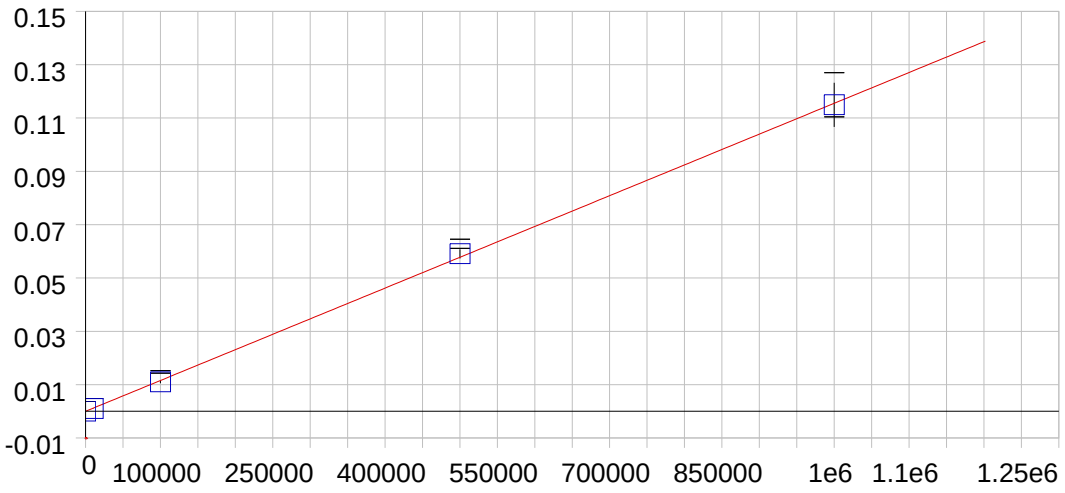


Mg 202.582 {466}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Full Fit	Weighting:	1/Conc

A0 (Offset):	-0.000033	Re-Slope:	1.000000
A1 (Gain):	0.000004	Y-int:	0.000000
A2 (Curvature):	-0.000000		
n (Exponent):	0.980000		
Correlation:	0.999997	Status:	OK.
Std Error of Est:	0.000059		
Predicted MDL:	2.013774		
Predicted MQL:	6.712579		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.14213	.142	.000	-.00003	.000	1
CalibStd=500	500000.	499830.	-170.	-.034	1.5317	.019	1
CalibStd=100	10000.	9789.0	-211.	-2.11	.03586	.001	1
CalibStd-100	1000000.	1000100.	60.0	.006	2.7037	.020	1
CalibStd-100	100000.	100340.	339.	.339	.34478	.006	1

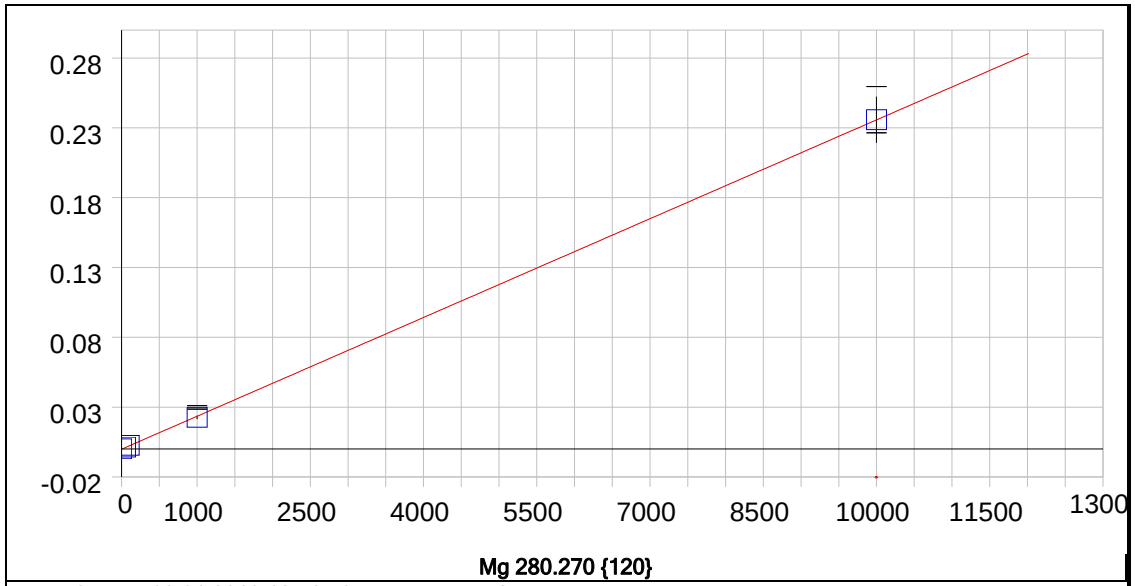


Mg 279.079 {121}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000001	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999789	Status:	OK.
Std Error of Est:	0.000012		
Predicted MDL:	75.965766		
Predicted MQL:	253.219219		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	1.6135	1.61	.000	.00000	.000	1
CalibStd=500	500000.	511120.	11100.	2.22	.05905	.002	1
CalibStd=100	10000.	8703.1	-1300.	-13.0	.00100	.000	1
CalibStd-100	1000000.	995080.	-4920.	-.492	.11496	.008	1
CalibStd-100	100000.	95103.	-4900.	-4.90	.01099	.000	1

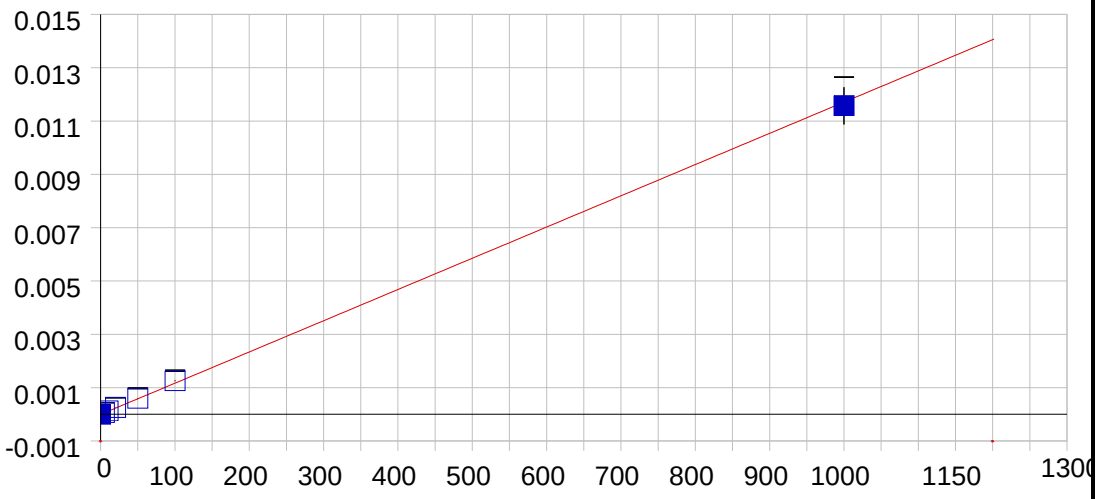


Mg 280.270 {120}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	-0.000122	Re-Slope:	1.000000
A1 (Gain):	0.000024	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999990	Status:	OK.
Std Error of Est:	0.000544		
Predicted MDL:	0.448085		
Predicted MQL:	1.493618		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	8.6211	8.62	.000	.00008	.000	1
CalibStd=100	1000.0	964.88	-35.1	-3.51	.02263	.001	1
CalibStd=100	10000.	10003.	3.33	.033	.23576	.017	1
CalibStd=100	100.00	113.49	13.5	13.5	.00255	.000	1
CalibStd=50	50.000	59.676	9.68	19.4	.00128	.000	1

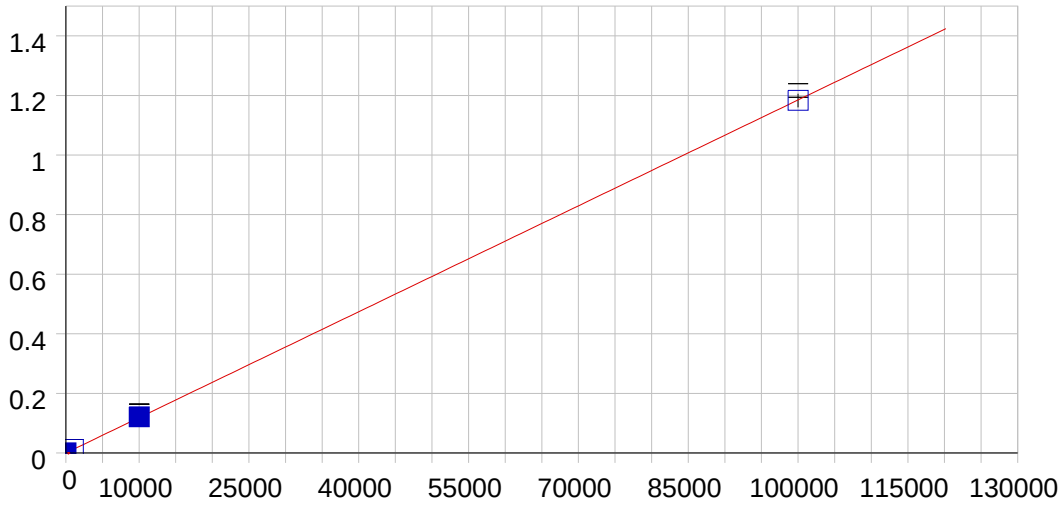


Mn 257.610 {131}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000005	Re-Slope:	1.000000
A1 (Gain):	0.000012	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999577	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	0.921669		
Predicted MQL:	3.072231		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00185	-.002	.000	-.00001	.000	1
CalibStd=10	10.000	10.839	.839	8.39	.00012	.000	1
CalibStd=50	50.000	51.421	1.42	2.84	.00060	.000	1
CalibStd=20	20.000	21.411	1.41	7.06	.00025	.000	1
CalibStd=100	100.00	107.59	7.59	7.59	.00126	.000	1
CalibStd=5	5.0000	5.6132	.613	12.3	.00006	.000	1
CalibStd=100	1000.0	988.13	-11.9	-1.19	.01157	.001	1

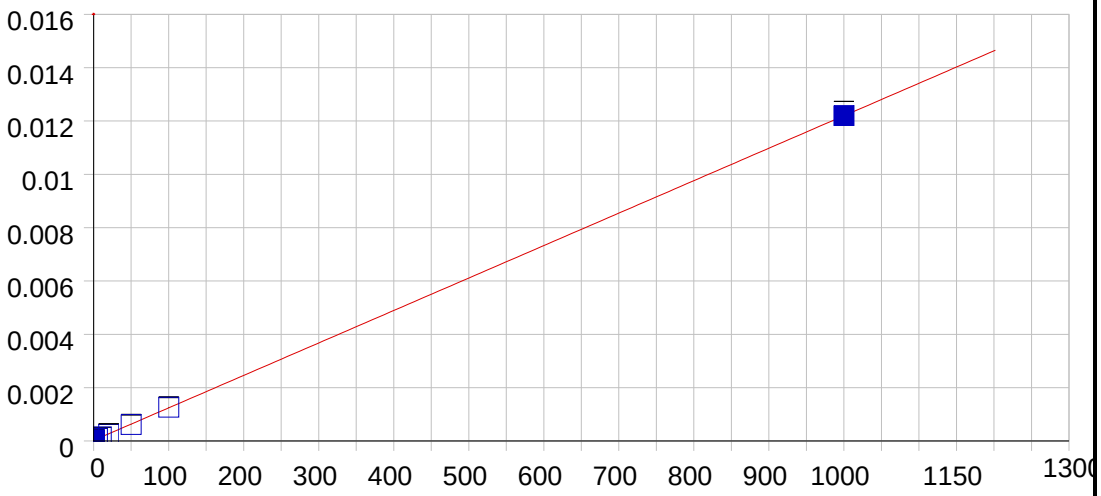


Mn 259.373 {130}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000029	Re-Slope:	1.000000
A1 (Gain):	0.000012	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999978	Status:	OK.
Std Error of Est:	0.000037		
Predicted MDL:	1.313814		
Predicted MQL:	4.379380		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00968	.010	.000	.00003	.000	1
CalibStd=100	10000.	10198.	198.	1.98	.12102	.009	1
CalibStd-100	100000.	99830.	-170.	-.170	1.1829	.023	1
CalibStd=100	1000.0	972.23	-27.8	-2.78	.01155	.001	1

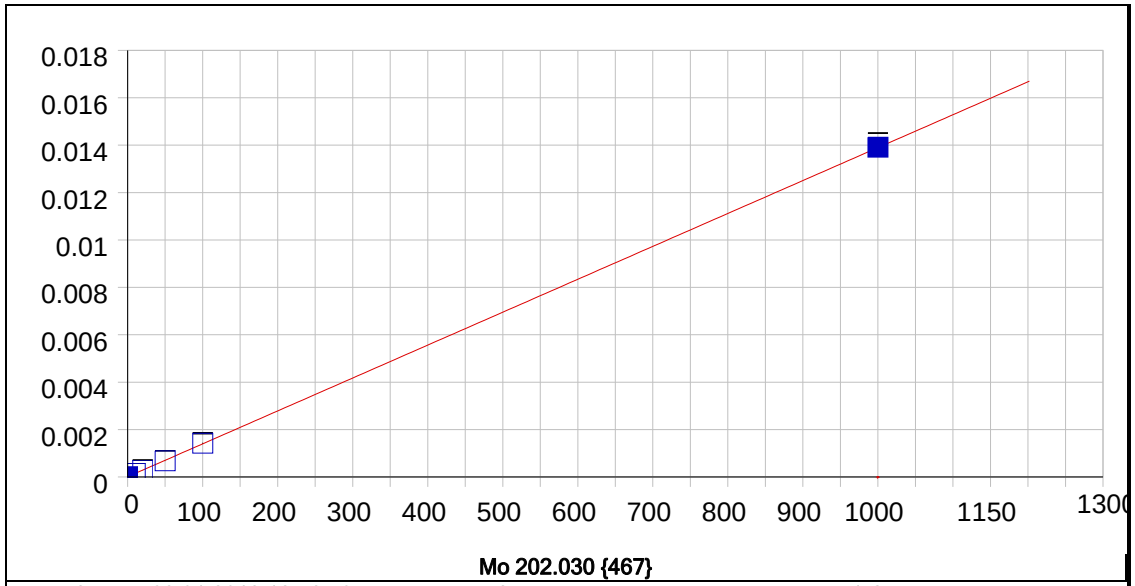


Mo 203.844 {465}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000024	Re-Slope:	1.000000
A1 (Gain):	0.000012	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999917	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	0.801248		
Predicted MQL:	2.670827		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00023	.000	.000	.00002	.000	1
CalibStd=50	50.000	48.191	-1.81	-3.62	.00061	.000	1
CalibStd=1	1.0000	1.1635	.164	16.4	.00004	.000	1
CalibStd=20	20.000	19.247	-.753	-3.76	.00026	.000	1
CalibStd=10	10.000	10.254	.254	2.54	.00015	.000	1
CalibStd=100	100.00	101.46	1.46	1.46	.00126	.000	1
CalibStd=5	5.0000	5.4966	.497	9.93	.00009	.000	1
CalibStd=100	1000.0	1000.2	.188	.019	.01220	.000	1

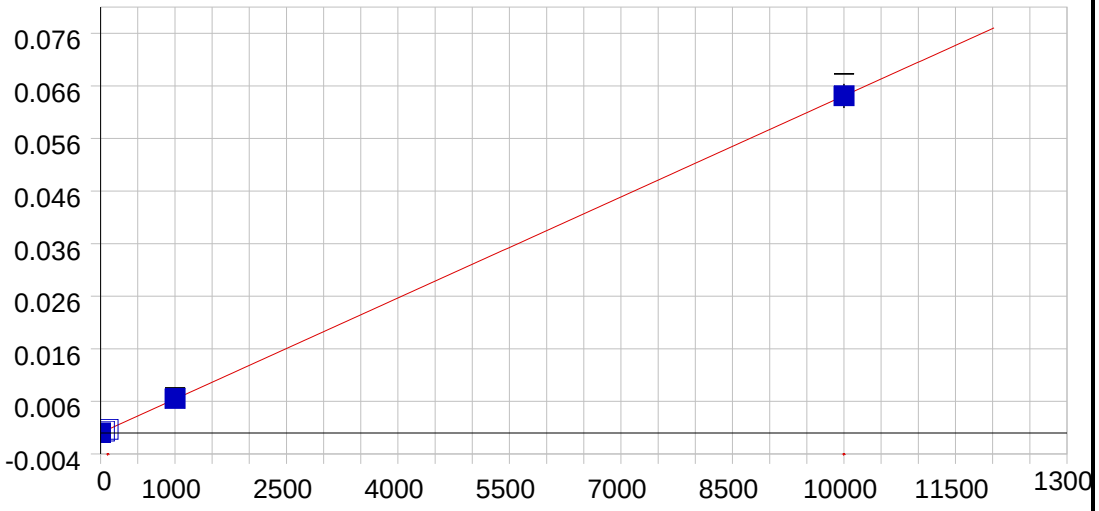


Mo 202.030 {467}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000009	Re-Slope:	1.000000
A1 (Gain):	0.000014	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999957	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	0.468786		
Predicted MQL:	1.562620		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00052	.001	.000	.00001	.000	1
CalibStd=50	50.000	48.155	-1.85	-3.69	.00068	.000	1
CalibStd=20	20.000	19.662	-.338	-1.69	.00028	.000	1
CalibStd=10	10.000	9.8523	-.148	-1.48	.00015	.000	1
CalibStd=100	100.00	101.56	1.56	1.56	.00142	.000	1
CalibStd=100	1000.0	1000.8	.768	.077	.01391	.000	1

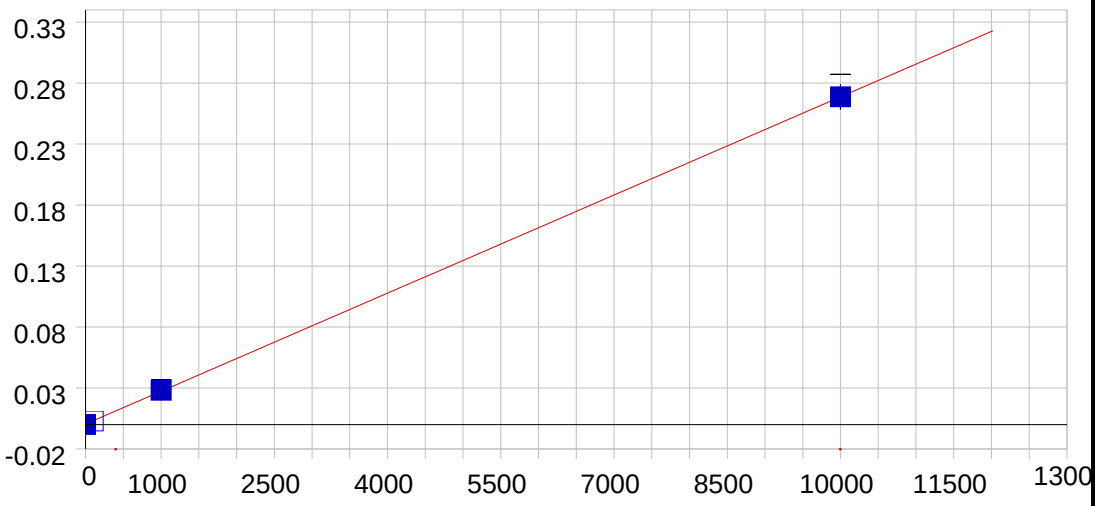


Mo 204.598 {465}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000031	Re-Slope:	1.000000
A1 (Gain):	0.000006	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999998	Status:	OK.
Std Error of Est:	0.000065		
Predicted MDL:	1.117785		
Predicted MQL:	3.725951		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-5.3570	-5.36	.000	.00000	.000	1
CalibStd=100	1000.0	1015.3	15.3	1.53	.00654	.000	1
CalibStd=100	10000.	9998.5	-1.48	-.015	.06410	.002	1
CalibStd=50	50.000	43.199	-6.80	-13.6	.00031	.000	1
CalibStd=100	100.00	98.354	-1.65	-1.65	.00066	.000	1

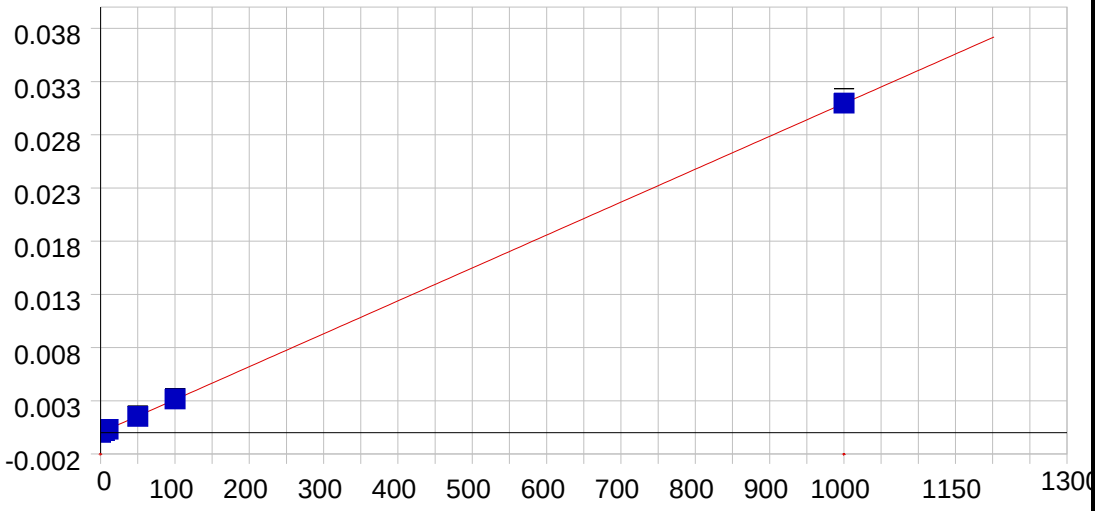


Ni 221.647 {452}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000431	Re-Slope:	1.000000
A1 (Gain):	0.000027	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999991	Status:	OK.
Std Error of Est:	0.000663		
Predicted MDL:	0.523471		
Predicted MQL:	1.744905		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-16.445	-16.4	.000	-.00001	.000	1
CalibStd=100	10000.	9997.2	-2.81	-.028	.26860	.010	1
CalibStd=100	100.00	90.182	-9.82	-9.82	.00285	.000	1
CalibStd=100	1000.0	1029.1	29.1	2.91	.02804	.000	1

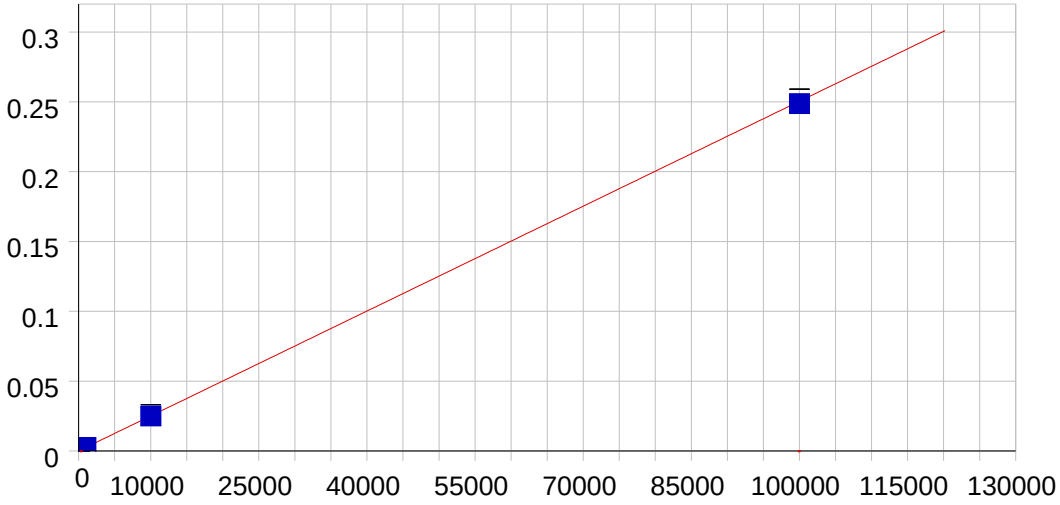


Ni 231.604 {445}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000014	Re-Slope:	1.000000
A1 (Gain):	0.000031	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999951	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	0.588105		
Predicted MQL:	1.960349		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00057	.001	.000	.00001	.000	1
CalibStd=50	50.000	48.412	-1.59	-3.18	.00151	.000	1
CalibStd=10	10.000	9.5945	-.406	-4.06	.00031	.000	1
CalibStd=100	100.00	101.69	1.69	1.69	.00316	.000	1
CalibStd=5	5.0000	4.7013	-.299	-5.97	.00016	.000	1
CalibStd=100	1000.0	1000.6	.606	.061	.03096	.000	1

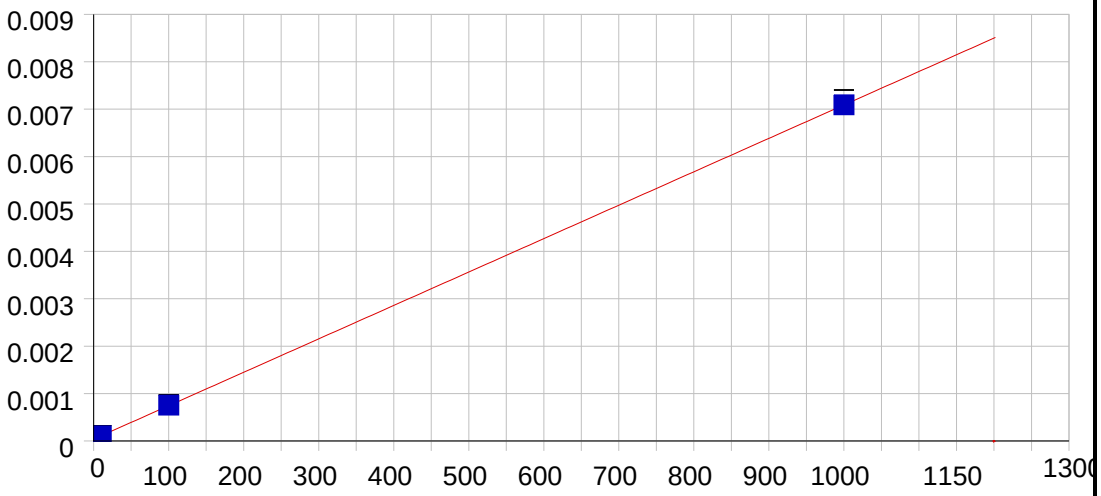


Pb 216.999 {455}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Curvilinear	Weighting:	1/Conc

A0 (Offset):	0.000013	Re-Slope:	1.000000
A1 (Gain):	0.000003	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999998	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	4.258990		
Predicted MQL:	14.196634		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00352	-.004	.000	.00001	.000	1
CalibStd=100	1000.0	1016.6	16.6	1.66	.00256	.000	1
CalibStd=100	10000.	9972.3	-27.7	-.277	.02504	.001	1
CalibStd-100	100000.	99287.	-713.	-.713	.24861	.003	1
CalibStd=100	100.00	102.06	2.06	2.06	.00027	.000	1

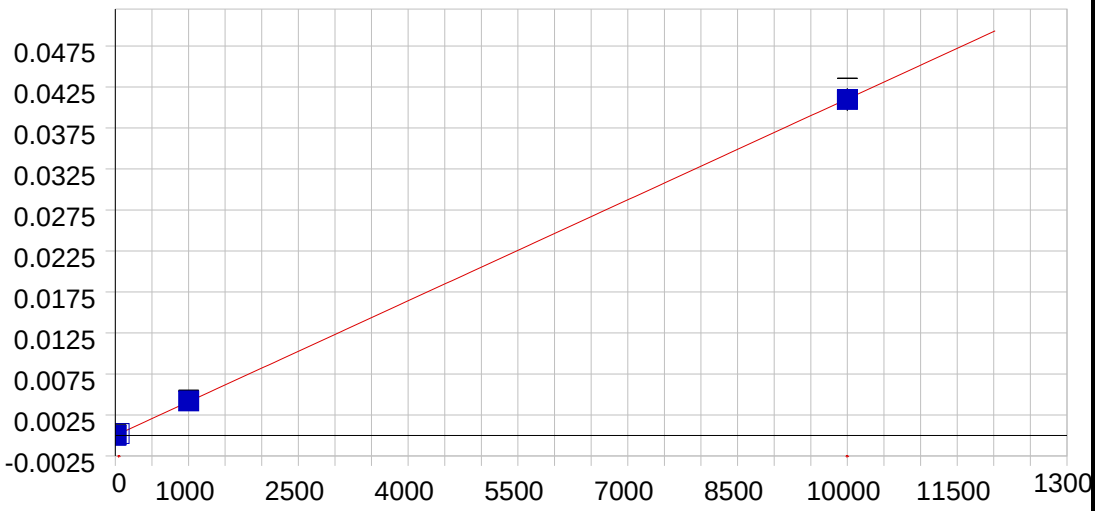


Pb 220.353 {453}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000039	Re-Slope:	1.000000
A1 (Gain):	0.000007	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999998	Status:	OK.
Std Error of Est:	0.000006		
Predicted MDL:	1.592472		
Predicted MQL:	5.308239		

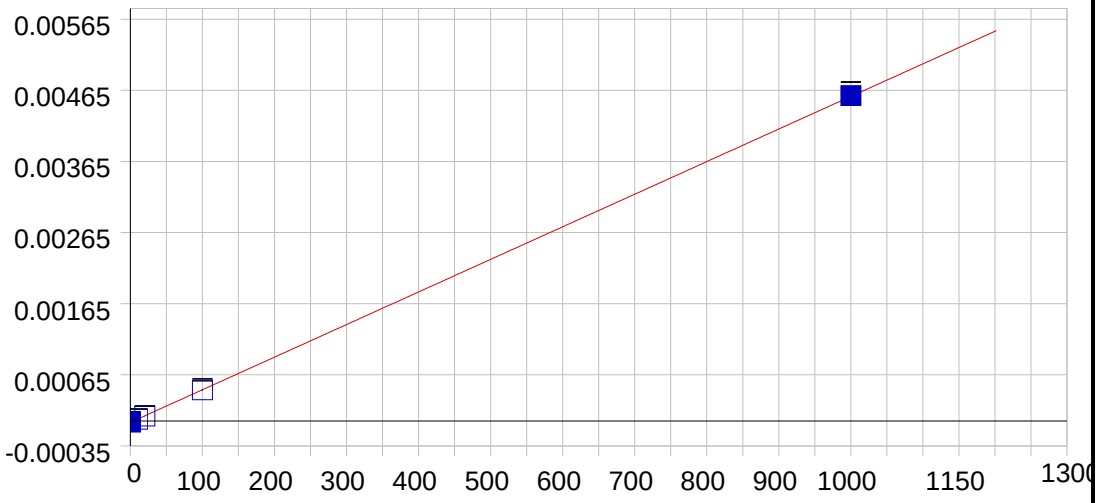
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.15500	-.155	.000	.00004	.000	1
CalibStd=10	10.000	9.5578	-.442	-4.42	.00011	.000	1
CalibStd=100	100.00	101.32	1.32	1.32	.00075	.000	1
CalibStd=5	5.0000	4.4060	-.594	-11.9	.00007	.000	1
CalibStd=100	1000.0	999.88	-.124	-.012	.00709	.000	1



Sb 206.833 {463}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000004			Re-Slope:	1.000000
A1 (Gain):	0.000004			Y-int:	0.000000
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.999973		Status:	OK.	
Std Error of Est:	0.000000				
Predicted MDL:	2.025904				
Predicted MQL:	6.753013				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00055	.001	.000	.00000	.000	1
CalibStd=100	1000.0	1022.3	22.3	2.23	.00420	.000	1
CalibStd=10	10.000	9.2960	-.704	-7.04	.00004	.000	1
CalibStd=50	50.000	49.753	-.247	-.494	.00021	.000	1
CalibStd=100	10000.	9978.7	-21.3	-.213	.04096	.001	1

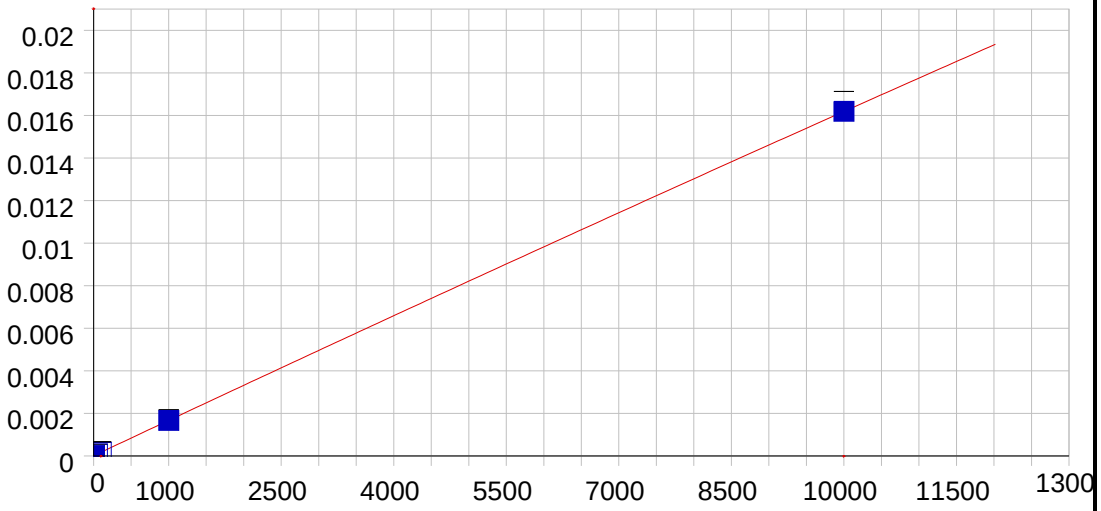


Sb 217.581 {455}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000018	Re-Slope:	1.000000
A1 (Gain):	0.000005	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999941	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	2.752474		
Predicted MQL:	9.174914		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00137	.001	.000	-.00002	.000	1
CalibStd=100	1000.0	1002.3	2.27	.227	.00457	.000	1
CalibStd=20	20.000	18.900	-1.10	-5.50	.00007	.000	1
CalibStd=10	10.000	9.1936	-.806	-8.06	.00002	.000	1
CalibStd=100	100.00	99.640	-.360	-.360	.00044	.000	1

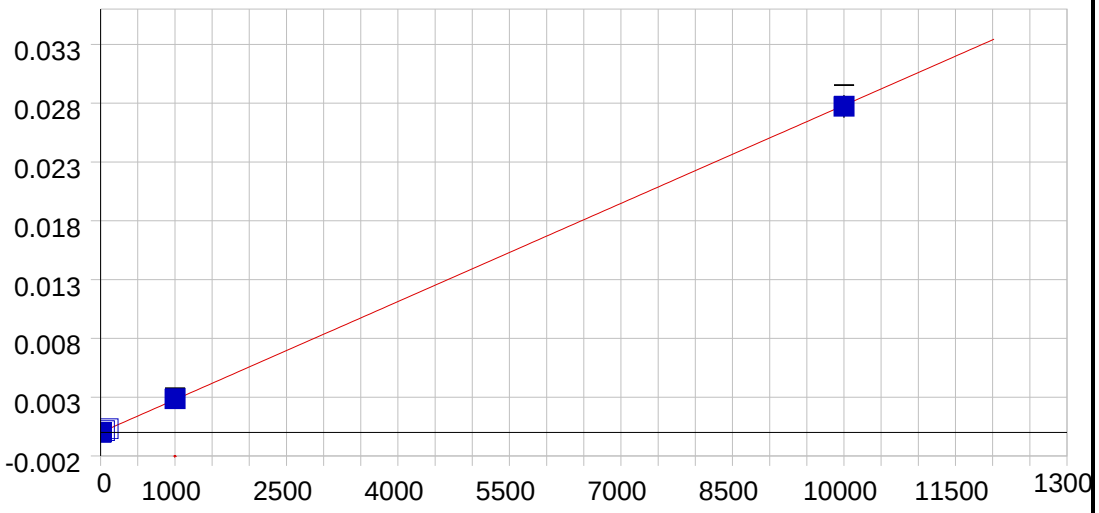


Se 196.090 {172}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Curvilinear	Weighting:	1/Conc

A0 (Offset):	0.000010	Re-Slope:	1.000000
A1 (Gain):	0.000002	Y-int:	0.000000
A2 (Curvature):	-0.000000		
n (Exponent):	1.000000		
Correlation:	0.999997	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	8.398340		
Predicted MQL:	27.994466		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00086	-.001	.000	.00001	.000	1
CalibStd=50	50.000	51.023	1.02	2.05	.00009	.000	1
CalibStd=100	1000.0	997.52	-2.48	-.248	.00166	.000	1
CalibStd=10	10.000	10.624	.624	6.24	.00003	.000	1
CalibStd=100	100.00	100.58	.582	.582	.00018	.000	1
CalibStd=100	10000.	10000.	.248	.002	.01619	.000	1

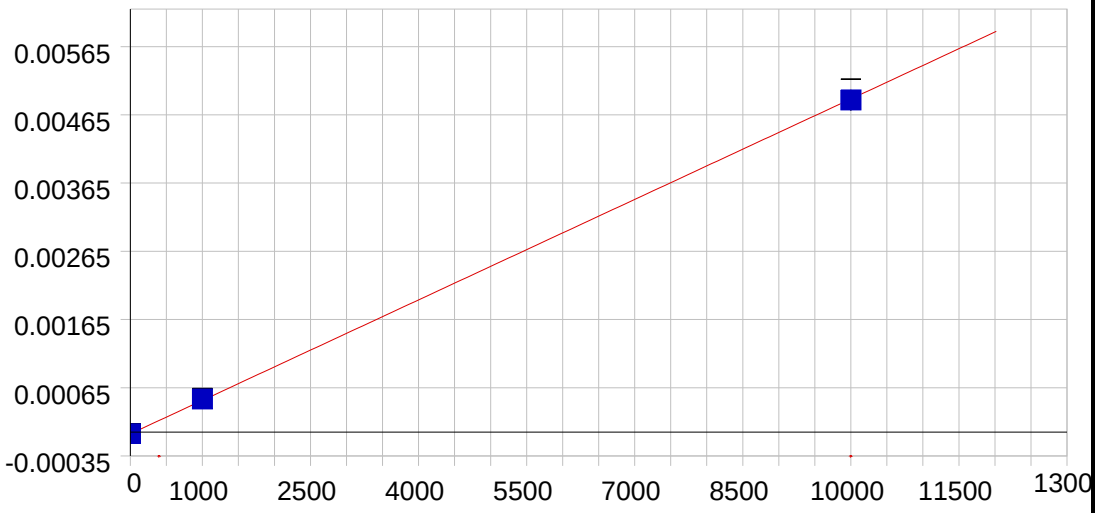


Se 196.090 {472}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000004	Re-Slope:	1.000000
A1 (Gain):	0.000003	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999944	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	2.735833		
Predicted MQL:	9.119443		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00089	-.001	.000	.00000	.000	1
CalibStd=50	50.000	49.741	-.259	-.518	.00014	.000	1
CalibStd=100	1000.0	1027.4	27.4	2.74	.00286	.000	1
CalibStd=10	10.000	10.074	.074	.742	.00003	.000	1
CalibStd=100	100.00	106.24	6.24	6.24	.00030	.000	1
CalibStd=100	10000.	9966.6	-33.4	-.334	.02772	.001	1

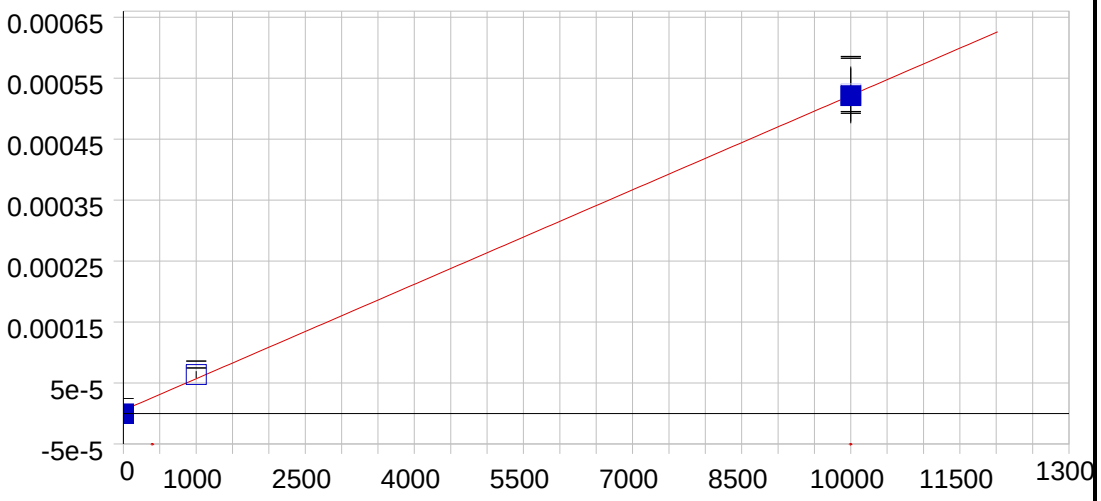


Se 206.279 {463}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000026	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999935	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	23.897657		
Predicted MQL:	79.658857		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.03244	-.032	.000	-.00003	.000	1
CalibStd=100	1000.0	1036.0	36.0	3.60	.00048	.000	1
CalibStd=100	10000.	9964.0	-36.0	-.360	.00487	.000	1

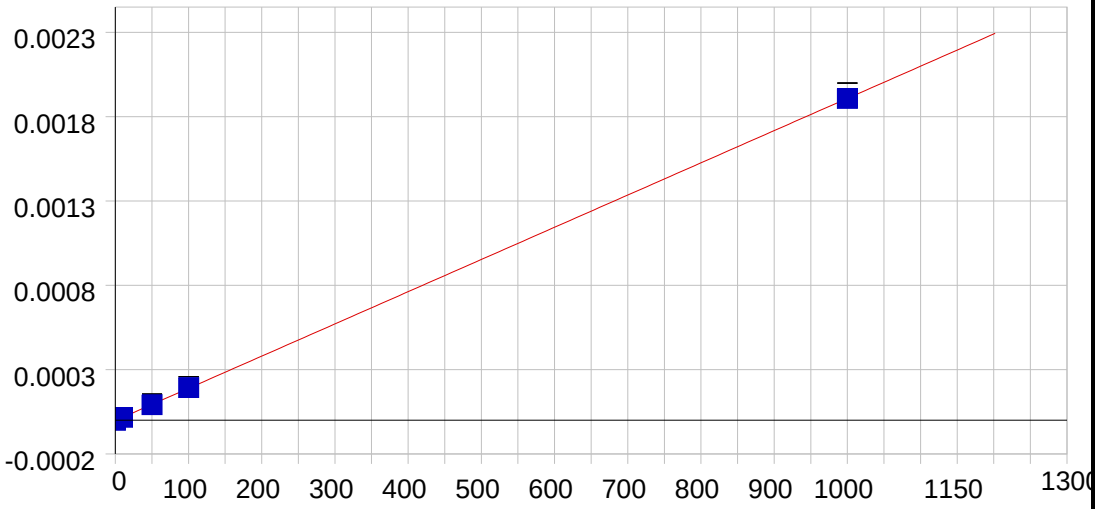


Tl 276.787 {122}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000005	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999743	Status:	OK.
Std Error of Est:	0.000009		
Predicted MDL:	355.781874		
Predicted MQL:	1185.939581		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-118.54	-119.	.000	.00000	.000	1
CalibStd=100	1000.0	1131.6	132.	13.2	.00006	.000	1
CalibStd=100	10000.	9986.9	-13.1	-.131	.00052	.000	1

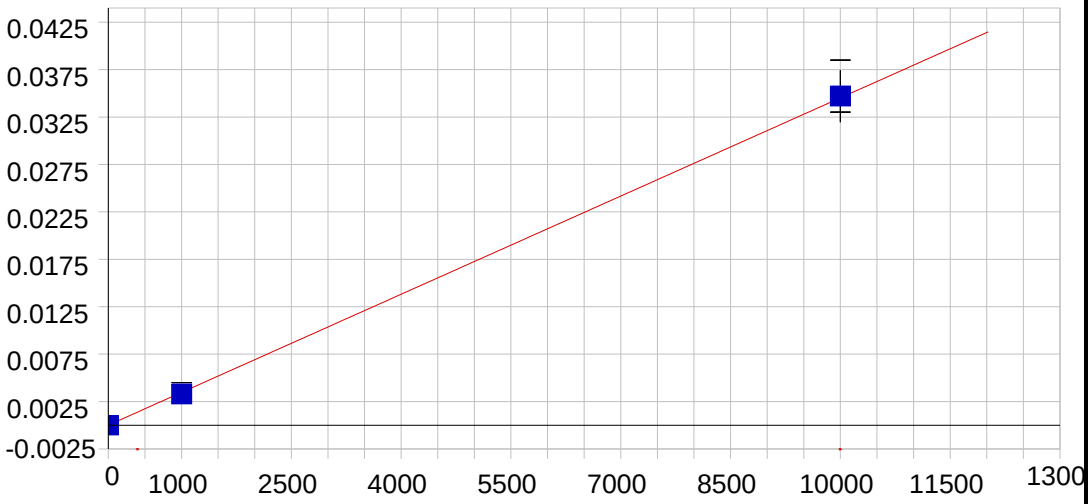


Tl 190.856 {477}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000002	Re-Slope:	1.000000
A1 (Gain):	0.000002	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999963	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	2.975793		
Predicted MQL:	9.919311		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00042	.000	.000	.00000	.000	1
CalibStd=50	50.000	48.850	-1.15	-2.30	.00009	.000	1
CalibStd=100	1000.0	999.43	-.569	-.057	.00191	.000	1
CalibStd=100	100.00	102.11	2.11	2.11	.00019	.000	1
CalibStd=10	10.000	9.6092	-.391	-3.91	.00002	.000	1

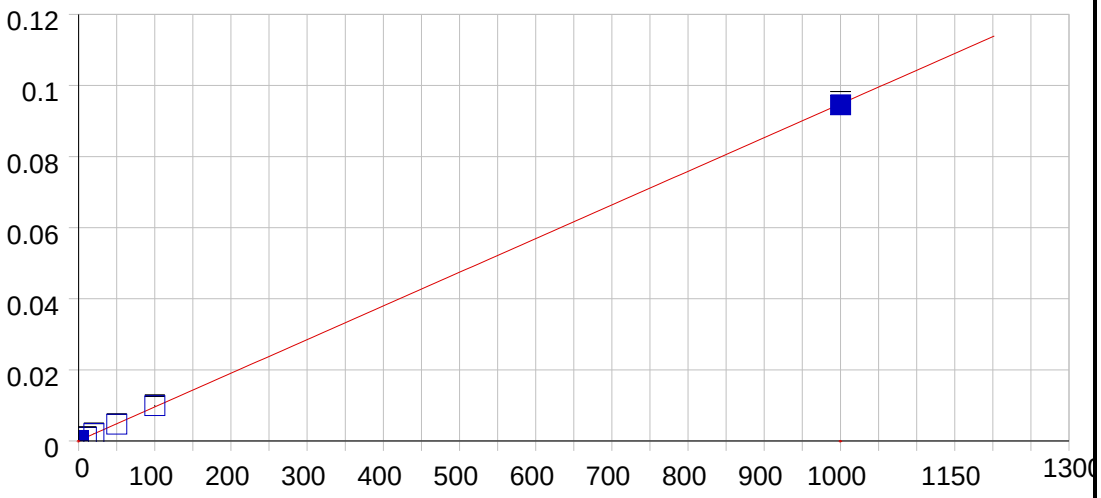


V 290.882 {116}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000012	Re-Slope:	1.000000
A1 (Gain):	0.000003	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999867	Status:	OK.
Std Error of Est:	0.000010		
Predicted MDL:	7.702000		
Predicted MQL:	25.673333		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.04636	.046	.000	.00001	.000	1
CalibStd=100	1000.0	948.49	-51.5	-5.15	.00328	.000	1
CalibStd=100	10000.	10052.	51.5	.515	.03469	.003	1

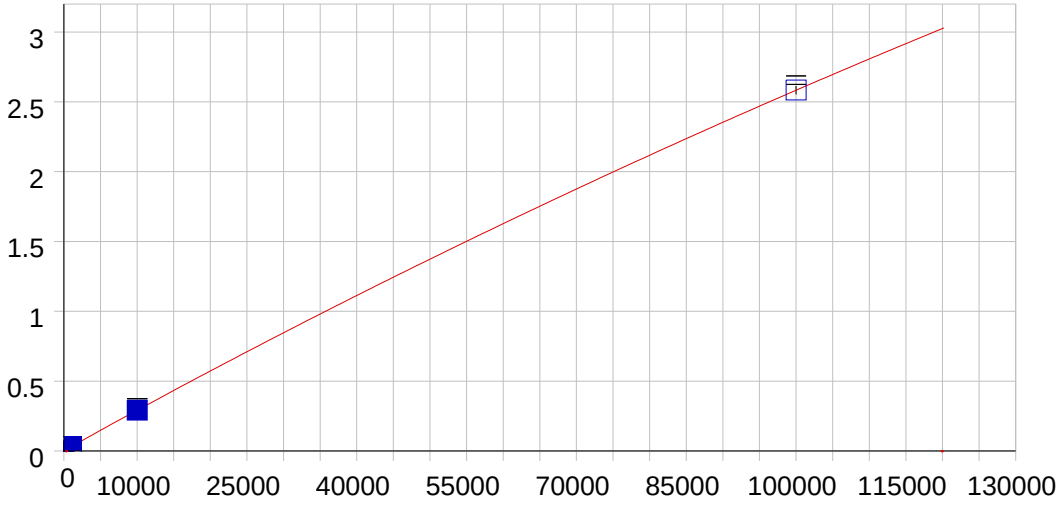


V 292.402 {115}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000106	Re-Slope:	1.000000
A1 (Gain):	0.000095	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999915	Status:	OK.
Std Error of Est:	0.000005		
Predicted MDL:	0.751495		
Predicted MQL:	2.504985		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00056	-.001	.000	.00011	.000	1
CalibStd=50	50.000	48.443	-1.56	-3.11	.00469	.000	1
CalibStd=100	1000.0	997.28	-2.72	-.272	.09455	.001	1
CalibStd=20	20.000	20.826	.826	4.13	.00208	.000	1
CalibStd=10	10.000	10.154	.154	1.54	.00107	.000	1
CalibStd=100	100.00	103.30	3.30	3.30	.00989	.000	1

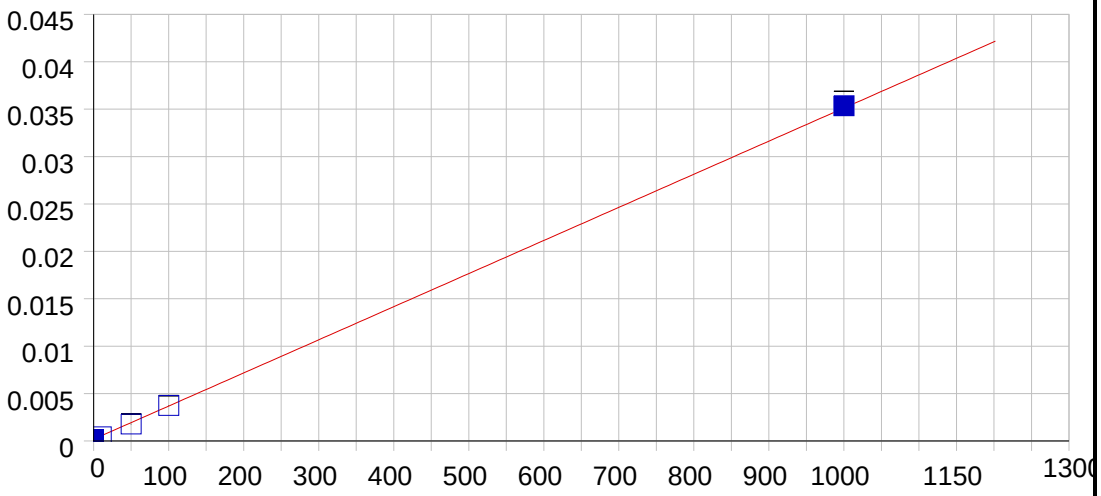


Zn 206.200 {463}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Full Fit	Weighting:	None

A0 (Offset):	0.000278	Re-Slope:	1.000000
A1 (Gain):	0.000032	Y-int:	0.000000
A2 (Curvature):	-0.000000		
n (Exponent):	0.990000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	0.283665		
Predicted MQL:	0.945551		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
CalibStd=100	10000.	9999.3	-.696	-.007	.29135	.011	1
Blank	.00000	.00000	.000	.000	.00012	.000	1
CalibStd=100	1000.0	1005.9	5.92	.592	.03052	.000	1
CalibStd-100	100000.	100000.	.008	.000	2.5830	.030	1

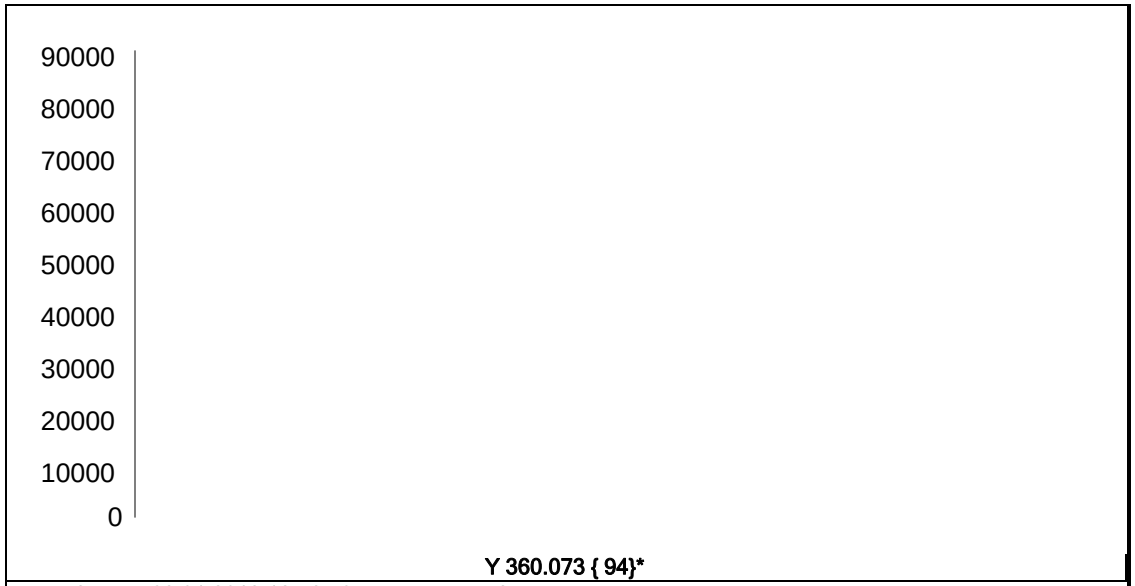


Zn 213.856 {458}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

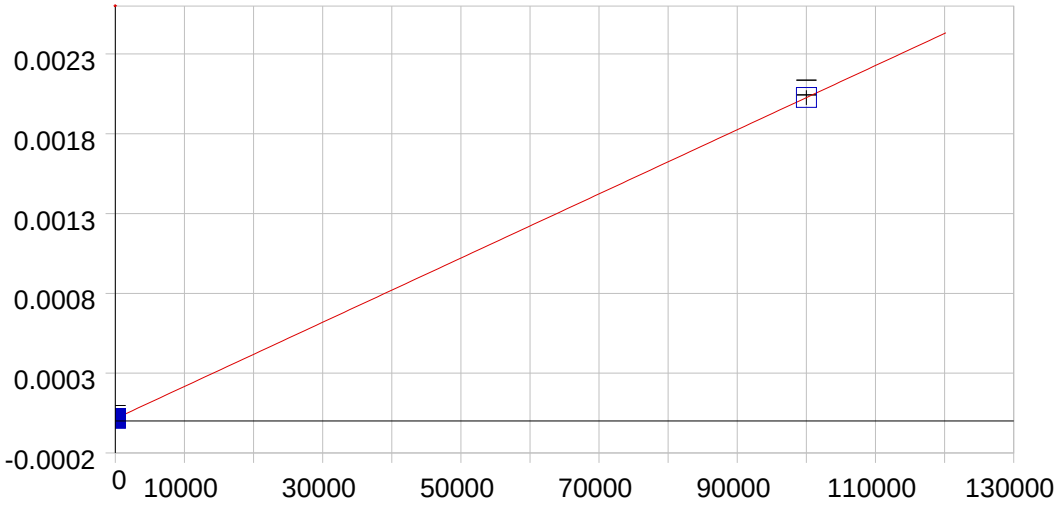
A0 (Offset):	0.000188	Re-Slope:	1.000000
A1 (Gain):	0.000035	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999319	Status:	OK.
Std Error of Est:	0.000006		
Predicted MDL:	0.205239		
Predicted MQL:	0.684131		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00407	.004	.000	.00019	.000	1
CalibStd=100	100.00	101.17	1.17	1.17	.00372	.000	1
CalibStd=50	50.000	45.593	-4.41	-8.81	.00178	.000	1
CalibStd=10	10.000	6.6312	-3.37	-33.7	.00042	.000	1
CalibStd=100	1000.0	1006.6	6.60	.660	.03536	.000	1



Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None	
A0 (Offset):	0.000000		Re-Slope:	1.000000		
A1 (Gain):	0.000000		Y-int:	0.000000		
A2 (Curvature):	0.000000					
n (Exponent):	1.000000					
Correlation:	0.000000		Status:	Warning	Zero Gain	
Std Error of Est:	0.000000					
Predicted MDL:	n/a					
Predicted MQL:	n/a					

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	85200.	324.	1

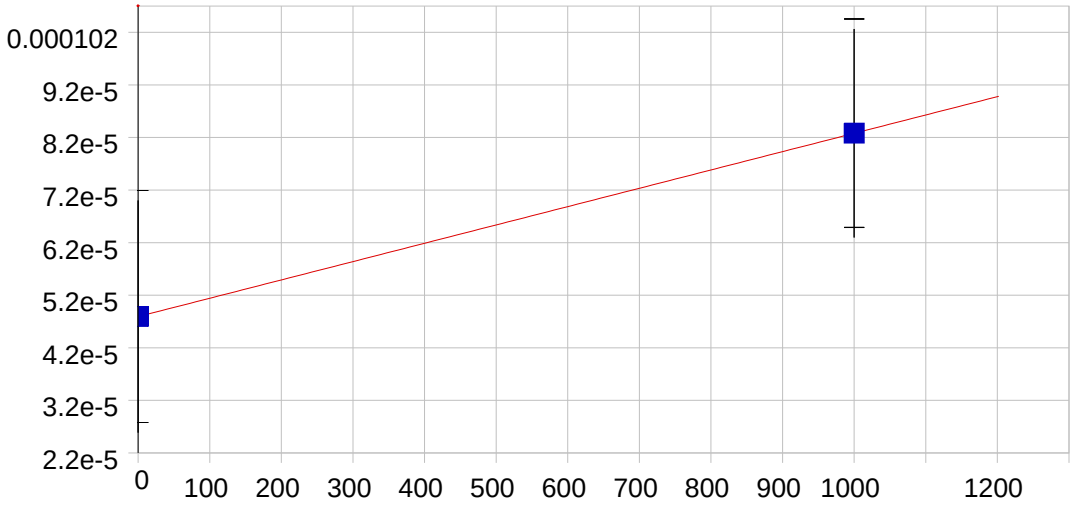


Na 330.298 {102}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000015	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	1406.290178		
Predicted MQL:	4687.633925		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00002	.000	1
CalibStd-100	100000.	100000.	.000	.000	.00203	.000	1

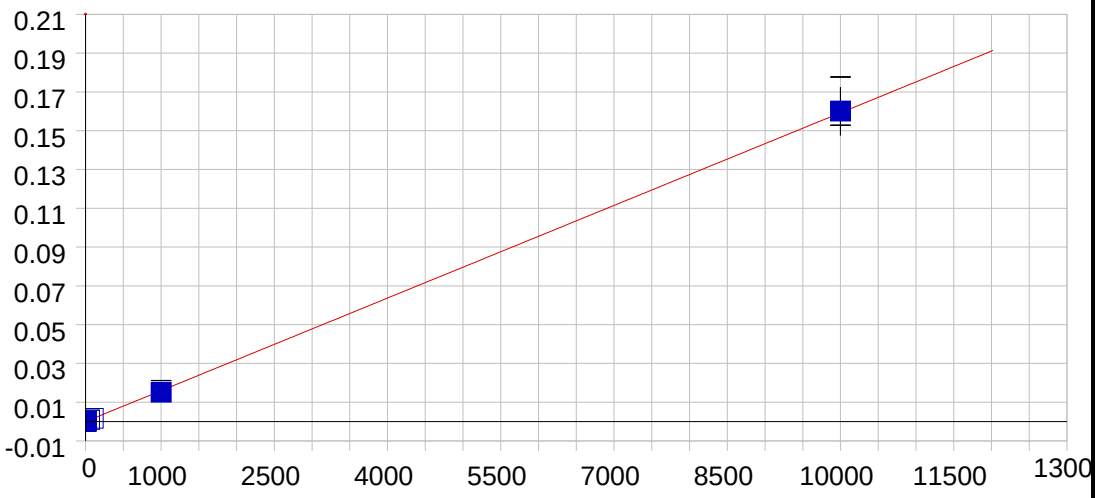


Si 251.611 {134}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000048	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	466.332976		
Predicted MQL:	1554.443253		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00005	.000	1
CalibStd=100	1000.0	1000.0	.000	.000	.00008	.000	1

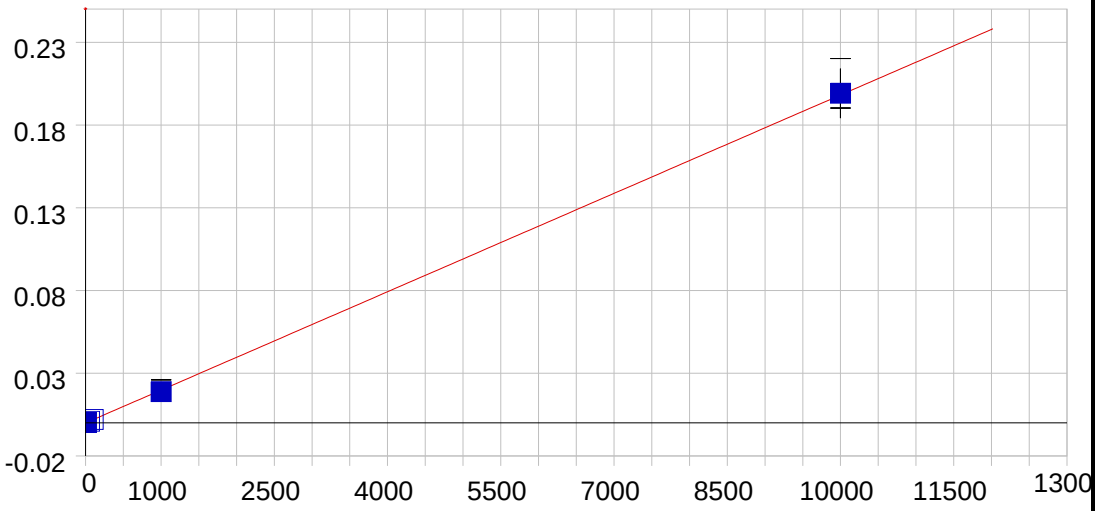


Ti 334.941 {101}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000005	Re-Slope:	1.000000
A1 (Gain):	0.000016	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999828	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	1.425438		
Predicted MQL:	4.751461		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00101	.001	.000	.00000	.000	1
CalibStd=10	10.000	9.4447	-.555	-5.55	.00016	.000	1
CalibStd=100	100.00	100.98	.983	.983	.00161	.000	1
CalibStd=100	1000.0	949.58	-50.4	-5.04	.01513	.001	1
CalibStd=100	10000.	10052.	51.9	.519	.16008	.012	1
CalibStd=50	50.000	48.727	-1.27	-2.55	.00078	.000	1
CalibStd=1	1.0000	.03353	-.966	-96.6	.00001	.000	1
CalibStd=5	5.0000	5.3662	.366	7.32	.00009	.000	1

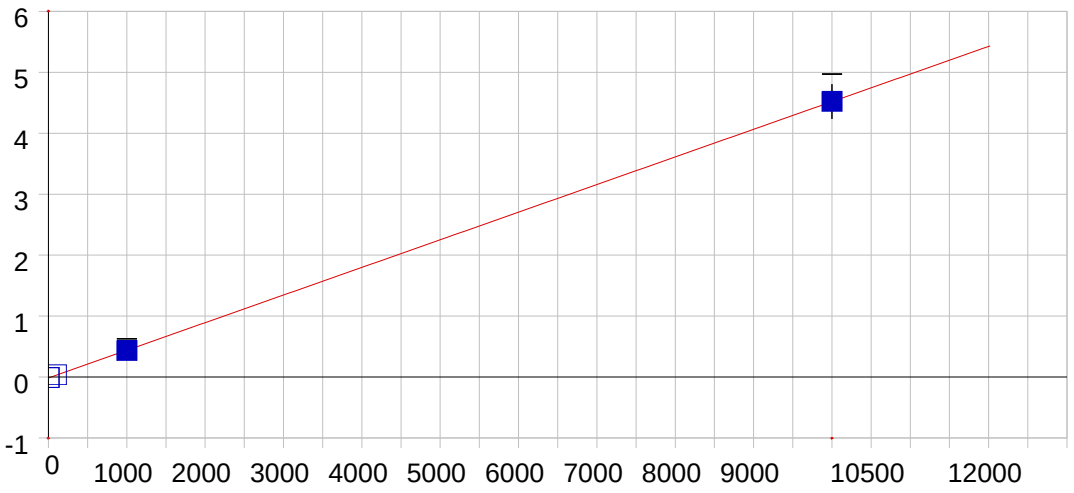


Ti 337.280 {100}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000041	Re-Slope:	1.000000
A1 (Gain):	0.000020	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999859	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	1.538282		
Predicted MQL:	5.127606		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00001	.000	.000	-.00004	.000	1
CalibStd=10	10.000	9.3753	-.625	-6.25	.00014	.000	1
CalibStd=100	100.00	101.75	1.75	1.75	.00198	.000	1
CalibStd=100	1000.0	950.48	-49.5	-4.95	.01880	.001	1
CalibStd=100	10000.	10051.	51.1	.511	.19919	.015	1
CalibStd=50	50.000	47.884	-2.12	-4.23	.00091	.000	1
CalibStd=1	1.0000	1.3103	.310	31.0	-.00002	.000	1
CalibStd=5	5.0000	4.0687	-.931	-18.6	.00004	.000	1

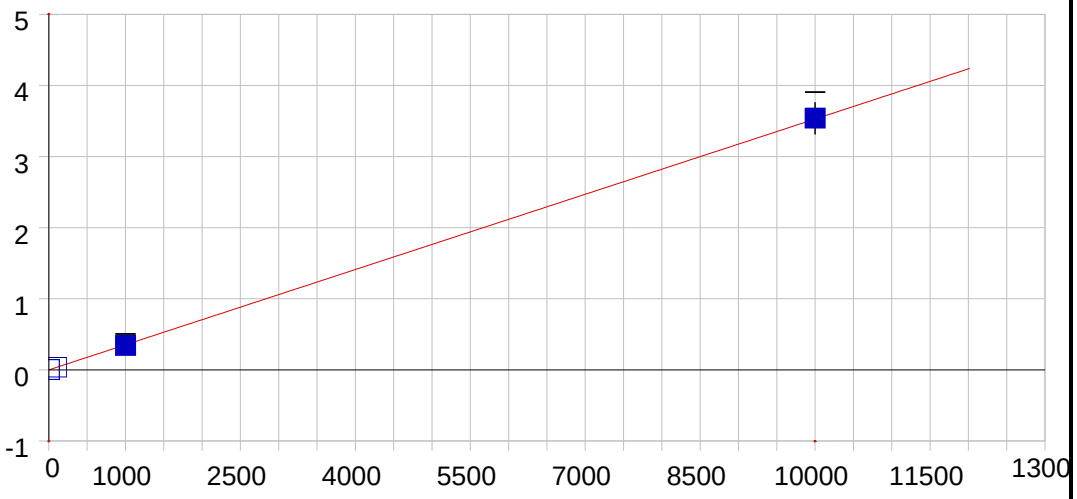


Sr 407.771 { 83}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.014736	Re-Slope:	1.000000
A1 (Gain):	0.000453	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999941	Status:	OK.
Std Error of Est:	0.000019		
Predicted MDL:	0.221844		
Predicted MQL:	0.739480		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00050	.000	.000	-.01474	.000	1
CalibStd=1	1.0000	.41839	-.582	-58.2	-.01455	.000	1
CalibStd=5	5.0000	5.0103	.010	.205	-.01246	.000	1
CalibStd=10	10.000	10.065	.065	.648	-.01017	.000	1
CalibStd=100	100.00	108.97	8.97	8.97	.03466	.001	1
CalibStd=100	1000.0	987.36	-12.6	-1.26	.43288	.030	1
CalibStd=100	10000.	10004.	4.18	.042	4.5206	.285	1

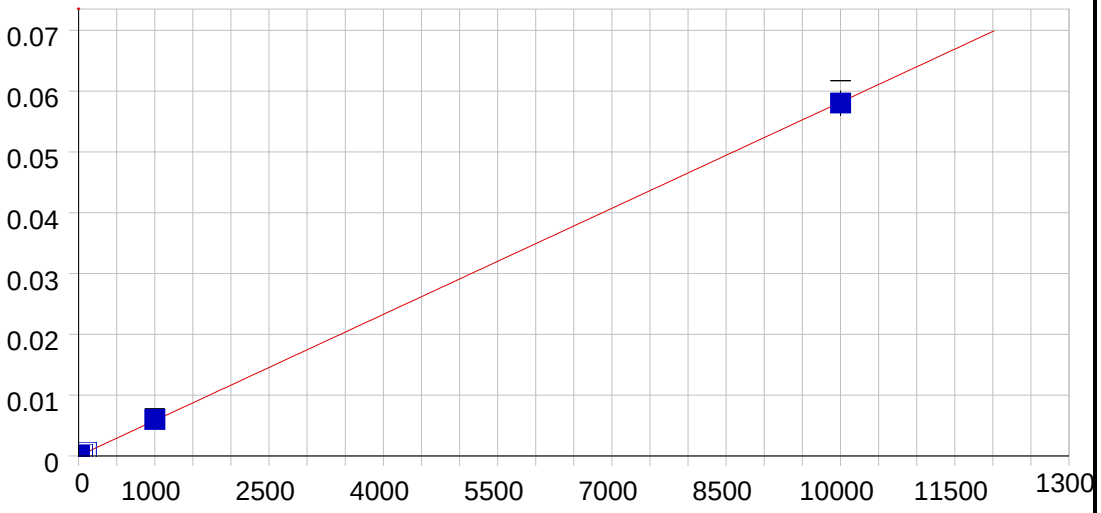


Sr 421.552 { 80}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000117	Re-Slope:	1.000000
A1 (Gain):	0.000353	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999942	Status:	OK.
Std Error of Est:	0.000015		
Predicted MDL:	0.145433		
Predicted MQL:	0.484776		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00004	.000	.000	-.00012	.000	1
CalibStd=1	1.0000	.95322	-.047	-4.68	.00022	.000	1
CalibStd=5	5.0000	5.2306	.231	4.61	.00173	.000	1
CalibStd=10	10.000	10.380	.380	3.80	.00355	.000	1
CalibStd=100	100.00	103.68	3.68	3.68	.03646	.001	1
CalibStd=100	1000.0	967.48	-32.5	-3.25	.34125	.023	1
CalibStd=100	10000.	10028.	28.3	.283	3.5383	.225	1

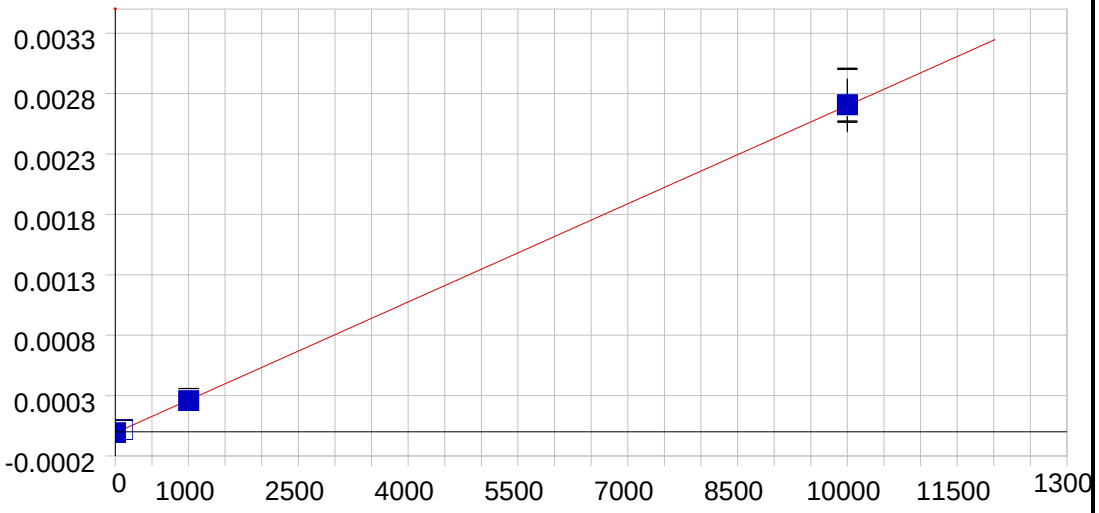


Sn 189.989 {477}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000011	Re-Slope:	1.000000
A1 (Gain):	0.000006	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999957	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	0.985935		
Predicted MQL:	3.286449		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00017	.000	.000	.00001	.000	1
CalibStd=100	10000.	9970.6	-29.4	-.294	.05801	.002	1
CalibStd=100	1000.0	1026.4	26.4	2.64	.00598	.000	1
CalibStd=100	100.00	104.00	4.00	4.00	.00062	.000	1
CalibStd=10	10.000	10.078	.078	.784	.00007	.000	1
CalibStd=50	50.000	48.980	-1.02	-2.04	.00030	.000	1
CalibStd=5	5.0000	4.9108	-.089	-1.78	.00004	.000	1

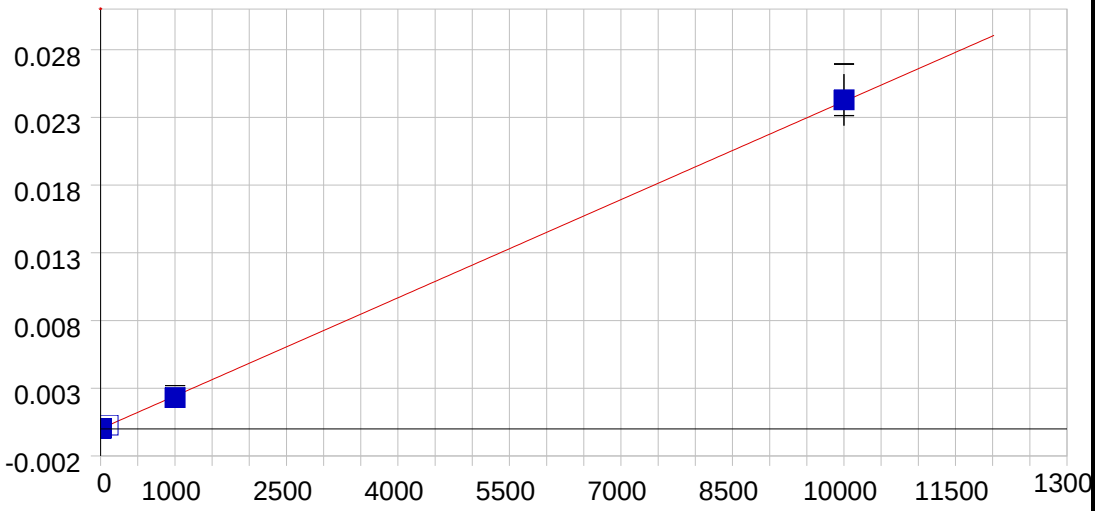


Sn 283.999 {119}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000009	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999965	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	59.245333		
Predicted MQL:	197.484443		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00758	.008	.000	-.00001	.000	1
CalibStd=100	10000.	10025.	25.0	.250	.00270	.000	1
CalibStd=100	1000.0	980.97	-19.0	-1.90	.00026	.000	1
CalibStd=100	100.00	94.076	-5.92	-5.92	.00002	.000	1

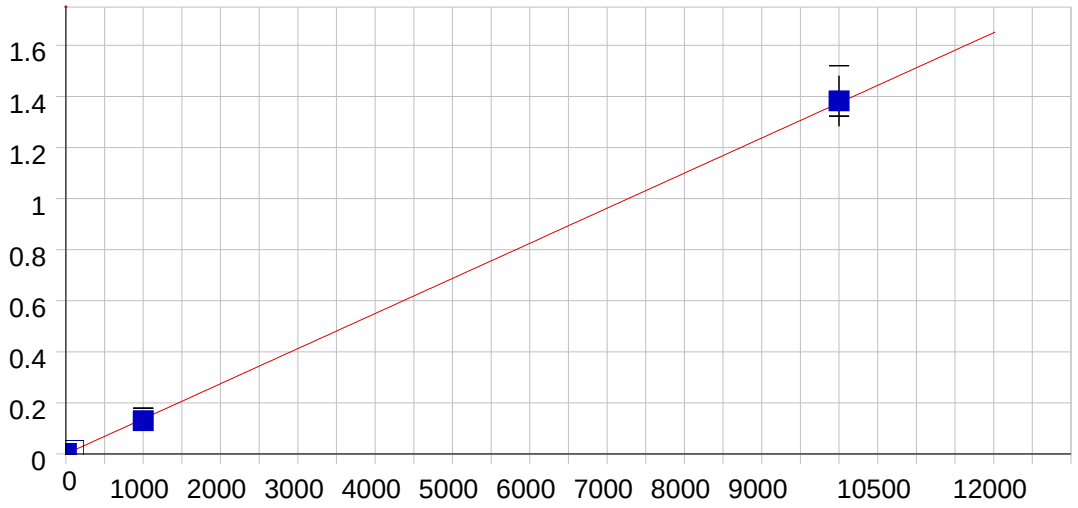


B 249.773 {135}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000013	Re-Slope:	1.000000
A1 (Gain):	0.000002	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999854	Status:	OK.
Std Error of Est:	0.000001		
Predicted MDL:	5.703169		
Predicted MQL:	19.010564		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00095	-.001	.000	.00001	.000	1
CalibStd=100	100.00	104.45	4.45	4.45	.00026	.000	1
CalibStd=10	10.000	10.976	.976	9.76	.00004	.000	1
CalibStd=100	1000.0	947.65	-52.4	-5.24	.00230	.000	1
CalibStd=100	10000.	10047.	46.9	.469	.02430	.002	1



Li 670.784 { 50}

Date of Fit:	08/01/2013 12:56:50	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000139	Re-Slope:	1.000000
A1 (Gain):	0.000137	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999843	Status:	OK.
Std Error of Est:	0.000033		
Predicted MDL:	0.820016		
Predicted MQL:	2.733386		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00022	.000	.000	.00014	.000	1
CalibStd=10	10.000	10.083	.083	.834	.00153	.000	1
CalibStd=100	100.00	102.08	2.08	2.08	.01417	.000	1
CalibStd=100	1000.0	943.83	-56.2	-5.62	.12988	.010	1
CalibStd=100	10000.	10054.	54.0	.540	1.3821	.099	1

Sample Name: Blank Acquired: 08/20/2013 15:02:12 Type: Cal
Method: DOD Calibration 1(v1393) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3092	Al3961	Al1670	As1937	As1890	Ba4554	Ba4934	Be3130	Be2348	Ca3179	Ca3933
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.000	.000	.000	.000	.000	.000	.001	-.006	.000	.000	.016	.005
Stddev	.00	.000	.00	.000	.00	.00	.000	.000	.000	.00	.000	.000
%RSD	14.6	746.	246.	6.59	23.8	19.1	10.2	4.21	10.00	83.8	.322	.874

Elem	Cd2265	Cd2288	Co2286	Co2388	Cr2677	Cr2835	Cu2247	Cu3247	Fe2343	Fe2395	Fe2599	Mg2025
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.000	.000	.000	.000	.000	.000	.000	.002	.000	.000	.000	.000
Stddev	.00	.000	.00	.000	.00	.000	.00	.000	.000	.00	.000	.00
%RSD	13.8	19.5	45.4	4.98	29.6	217.	395.	.926	53.5	249.	33.0	5.42

Elem	Mg2802	Mn2576	Mn2593	Mo2020	Mo2045	Ni2216	Ni2316	Pb2169	Pb2203	Sb2068	Sb2175	Se1960
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Stddev	.000	.000	.00	.000	.00	.00	.000	.000	.000	.000	.00	.000
%RSD	7.52	36.1	204.	59.4	91.4	42.1	191.	41.0	32.5	58.6	12.3	92.9

Elem	Se1960	Se2062	Tl2767	Tl1908	V_2908	V_2924	Zn2062	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.000	.000	.000	.000	.000	.000	.000	.000
Stddev	.000	.00	.00	.00	.000	.000	.000	.000
%RSD	703.	21.4	633.	41.7	917.	99.7	24.5	9.91

Int. Std.	Y_3600
Units	Cts/S
Avg	42597.
Stddev	54.
%RSD	.12583

Sample Name: CalibStd=0.25 Acquired: 08/20/2013 15:05:55 Type: Cal
Method: DOD Calibration 1(v1393) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Be3130
Units	Cts/S
Avg	.000
Stddev	.000
%RSD	4.51

Int. Std.	Y_3600
Units	Cts/S
Avg	42490.
Stddev	235.
%RSD	.55221

Sample Name: CalibStd=0.5 Acquired: 08/20/2013 15:09:49 Type: Cal
Method: DOD Calibration 1(v1393) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Be3130	Cd2265
Units	Cts/S	Cts/S
Avg	.000	.000
Stddev	.000	.000
%RSD	1.57	12.9

Int. Std.	Y_3600
Units	Cts/S
Avg	42346.
Stddev	87.
%RSD	.20475

Sample Name: CalibStd=1 Acquired: 08/20/2013 15:13:43 Type: Cal
Method: DOD Calibration 1(v1393) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Cd2265
Units	Cts/S	Cts/S
Avg	.000	.000
Stddev	.00	.000
%RSD	16.1	4.07

Int. Std.	Y_3600
Units	Cts/S
Avg	42668.
Stddev	54.
%RSD	.12770

Sample Name: CalibStd=5 Acquired: 08/20/2013 15:17:36 Type: Cal
Method: DOD Calibration 1(v1393) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al1670	Ba4554	Be3130	Cd2265	Co2286	Cu2247	Mn2576	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.000	.005	.001	.001	.001	.000	.000	.001	.000
Stddev	.000	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	2.42	1.71	1.90	1.26	3.83	4.55	5.55	2.24	5.36

Int. Std.	Y_3600
Units	Cts/S
Avg	42281.
Stddev	82.
%RSD	.19494

Sample Name: CalibStd=10 Acquired: 08/20/2013 15:21:30 Type: Cal
Method: DOD Calibration 1(v1393) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Cd2265	Co2286	Cr2677	Cu2247	Mn2576	Mo2020	Ni2316
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.001	.000	.000	.009	.003	.002	.001	.002	.001	.000	.001	.001
Stddev	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	12.2	1.72	2.64	1.40	1.97	1.87	3.30	4.65	3.25	1.61	.079	.271

Elem	Pb2203	Sb2068	Sb2175	Se1960	Se1960	Tl1908	V_2924	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.000	.000	.000	.000	.000	.000	.004	.001
Stddev	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	8.39	3.35	31.3	28.9	13.9	17.5	1.61	2.67

Int. Std.	Y_3600
Units	Cts/S
Avg	42683.
Stddev	164.
%RSD	.38327

Sample Name: CalibStd=20 Acquired: 08/20/2013 15:25:23 Type: Cal
Method: DOD Calibration 1(v1393) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ba4554	Cr2677	Cu2247	Fe2599	Mn2576	Mo2020	Sb2175	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.017	.005	.001	.000	.001	.001	.000	.007
Stddev	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	2.42	2.39	2.18	2.59	1.95	2.01	6.25	1.36

Int. Std.	Y_3600
Units	Cts/S
Avg	42552.
Stddev	55.
%RSD	.12898

Sample Name: CalibStd=50 Acquired: 08/20/2013 15:29:14 Type: Cal
Method: DOD Calibration 1(v1393) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al1670	As1937	Ba4554	Ca3933	Cd2265	Co2286	Cr2677	Cr2835	Cu2247	Fe2599	Mg2802	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.001	.000	.039	.131	.012	.007	.012	.001	.003	.000	.007	.002
Stddev	.000	.000	.001	.004	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	2.31	3.91	3.27	3.22	2.02	1.79	.731	3.02	2.34	2.60	2.39	3.51

Elem	Mo2020	Mo2045	Ni2316	Sb2068	Se1960	Se1960	Tl1908	V_2924	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.003	.001	.006	.001	.000	.000	.000	.017	.005
Stddev	.000	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	1.84	2.00	2.28	3.06	6.23	.298	1.57	1.62	2.04

Int. Std.	Y_3600
Units	Cts/S
Avg	42512.
Stddev	98.
%RSD	.23151

Sample Name: CalibStd=100 Acquired: 08/20/2013 15:33:01 Type: Cal
Method: DOD Calibration 1(v1393) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	As1937	As1890	Ba4554	Ba4934	Be3130	Be2348	Ca3933	Cd2265	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.013	.001	.000	.077	.056	.025	.003	.223	.025	.027	.015	.024
Stddev	.000	.000	.000	.002	.001	.000	.000	.004	.000	.000	.000	.000
%RSD	.499	1.87	2.58	1.97	1.96	1.81	.443	1.99	1.45	1.11	1.35	.758

Elem	Cr2835	Cu2247	Cu3247	Fe2599	Mg2802	Mn2576	Mo2020	Mo2045	Ni2216	Ni2316	Pb2169	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.002	.007	.004	.001	.013	.004	.005	.002	.010	.013	.001	.003
Stddev	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	1.17	1.48	2.03	2.39	2.18	1.87	1.37	.629	1.58	1.76	.649	1.25

Elem	Sb2175	Se1960	Se1960	Tl1908	V_2924	Zn2138
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.001	.001	.001	.001	.034	.010
Stddev	.000	.000	.000	.000	.000	.000
%RSD	2.64	3.03	.461	1.96	.185	1.02

Int. Std.	Y_3600
Units	Cts/S
Avg	42223.
Stddev	439.
%RSD	1.0394

Sample Name: CalibStd=1000 Acquired: 08/20/2013 15:36:38 Type: Cal
Method: DOD Calibration 1(v1393) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al3092	Al1670	As1937	As1890	Ba4934	Be2348	Ca3179	Ca3933	Cd2265	Cd2288	Co2286	Co2388
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.004	.014	.008	.002	.573	.026	.024	1.80	.239	.255	.141	.005
Stddev	.000	.000	.000	.000	.016	.001	.000	.05	.006	.006	.004	.000
%RSD	1.68	2.45	2.06	2.20	2.80	2.87	.663	2.71	2.31	2.25	2.50	3.09

Elem	Cr2677	Cr2835	Cu2247	Cu3247	Fe2343	Fe2395	Fe2599	Mg2802	Mn2576	Mn2593	Mo2020	Mo2045
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.227	.014	.061	.024	.001	.002	.006	.118	.035	.044	.050	.024
Stddev	.003	.000	.001	.001	.000	.000	.000	.003	.001	.001	.001	.001
%RSD	1.45	2.42	2.38	2.57	2.72	2.07	2.06	2.74	2.90	2.96	2.48	2.51

Elem	Ni2216	Ni2316	Pb2169	Pb2203	Sb2068	Sb2175	Se1960	Se1960	Se2062	Tl2767	Tl1908	V_2908
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.098	.125	.009	.024	.012	.013	.005	.008	.001	.000	.007	.011
Stddev	.002	.003	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000
%RSD	2.42	2.53	2.88	2.41	2.14	2.54	1.33	2.28	1.19	18.5	2.68	3.04

Elem	V_2924	Zn2062	Zn2138
Units	Cts/S	Cts/S	Cts/S
Avg	.325	.125	.095
Stddev	.005	.003	.002
%RSD	1.57	2.51	2.23

Int. Std.	Y_3600
Units	Cts/S
Avg	42664.
Stddev	273.
%RSD	.63992

Sample Name: CalibStd=10000 Acquired: 08/20/2013 15:39:56 Type: Cal
Method: DOD Calibration 1(v1393) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al3092	Al3961	As1890	Ba4554	Ba4934	Ca3179	Co2388	Cr2835	Cu2247	Cu3247	Fe2343	Fe2395
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.042	.117	.019	7.69	6.24	.105	.057	.153	.600	.236	.013	.022
Stddev	.001	.003	.000	.21	.17	.003	.002	.004	.005	.007	.000	.001
%RSD	2.80	2.83	.773	2.76	2.80	2.49	3.04	2.63	.791	2.87	2.79	3.01

Elem	Fe2599	Mg2025	Mg2802	Mn2593	Mo2045	Ni2216	Pb2169	Sb2068	Se1960	Se1960	Se2062	Tl2767
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.069	.131	1.25	.470	.240	.956	.087	.123	.049	.079	.013	.003
Stddev	.002	.001	.04	.014	.002	.009	.001	.000	.000	.000	.000	.000
%RSD	2.73	.800	2.86	2.90	.649	.984	.642	.396	.324	.396	.499	4.93

Elem	V_2908	Zn2062
Units	Cts/S	Cts/S
Avg	.124	1.23
Stddev	.004	.01
%RSD	3.05	1.20

Int. Std.	Y_3600
Units	Cts/S
Avg	42165.
Stddev	183.
%RSD	.43303

Sample Name: CalibStd-100k Acquired: 08/20/2013 15:43:51 Type: Cal
Method: DOD Calibration 1(v1393) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Cr2835	Cu3247	Mn2593	Pb2169	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.52	2.28	4.47	.863	10.4
Stddev	.02	.04	.07	.007	.1
%RSD	1.36	1.96	1.49	.843	1.17

Int. Std.	Y_3600
Units	Cts/S
Avg	42316.
Stddev	248.
%RSD	.58569

Sample Name: CalibStd-100000 Acquired: 08/20/2013 15:47:45 Type: Cal
Method: DOD Calibration 1(v1393) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al3092	Al3961	Ca3179	Fe2343	Fe2395	Mg2025
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.402	1.10	.859	.119	.202	1.16
Stddev	.014	.04	.031	.004	.007	.02
%RSD	3.49	3.61	3.63	3.54	3.60	1.55

Int. Std.	Y_3600
Units	Cts/S
Avg	41942.
Stddev	309.
%RSD	.73701

Sample Name: CalibStd=500000 Acquired: 08/20/2013 15:51:44 Type: Cal
Method: DOD Calibration 1(v1393) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al3961	Ca3179	Fe2343	Mg2025
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	5.67	4.03	.556	4.63
Stddev	.17	.14	.021	.04
%RSD	2.91	3.60	3.82	.872

Int. Std.	Y_3600
Units	Cts/S
Avg	40215.
Stddev	61.
%RSD	.15207

Sample Name: CalibStd-1000k Acquired: 08/20/2013 15:55:40 Type: Cal
Method: DOD Calibration 1(v1393) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al3961	Ca3179	Fe2343	Mg2025
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	11.1	7.52	1.04	7.69
Stddev	.5	.23	.04	.09
%RSD	4.30	3.04	3.70	1.12

Int. Std.	Y_3600
Units	Cts/S
Avg	39007.
Stddev	125.
%RSD	.32046

Sample Name: icv Acquired: 08/20/2013 16:03:43 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3092	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247	Fe2343	Mg2025
Avg	**48.9**	**11800.**	**2060.**	**2020.**	**50.8**	**10300.**	**51.3**	**513.**	**211.**	**264.**	**5040.**	**10100.**
Stddev	.4	414.	25.	72.	1.8	335.	.6	7.	3.	3.	143.	136.
%RSD	.716	3.50	1.19	3.54	3.54	3.26	1.23	1.34	1.60	1.19	2.84	1.34
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se2062	Tl1908	V_2924	Zn2138
Avg	**526.**	**511.**	**513.**	**506.**	**517.**	**2140.**	**2030.**	**530.**	**522.**
Stddev	19.	7.	7.	6.	6.	26.	24.	6.	8.
%RSD	3.53	1.38	1.39	1.23	1.08	1.19	1.18	1.14	1.61
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**42461.**
Stddev	193.
%RSD	.45343

Sample Name: ICVLL Acquired: 08/20/2013 16:07:20 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3092	As1937	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**33.5**	**1160.**	**61.4**	**32.0**	**12.7**	**1480.**	**15.7**	**31.8**	**30.2**	**31.7**	**907.**	**1450.**
Stddev	1.2	54.	.6	.4	.7	54.	.3	.6	.7	.5	27.	50.
%RSD	3.52	4.66	1.00	1.31	5.14	3.67	1.71	1.96	2.30	1.62	2.92	3.42
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**30.7**	**31.9**	**32.2**	**28.2**	**58.4**	**68.8**	**61.3**	**33.0**	**32.3**
Stddev	.8	.7	.7	.3	2.4	2.7	1.2	.9	.7
%RSD	2.52	2.06	2.10	.963	4.11	3.86	1.93	2.79	2.23
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**42414.**
Stddev	174.
%RSD	.40978

Sample Name: icb Acquired: 08/20/2013 16:15:07 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**.872**	**-6.16**	**-1.34**	**-.189**	**-.091**	**-6.38**	**-1.14**	**.020**	**-1.92**	**-.085**	**12.2**	**17.0**
Stddev	.099	.28	.84	.075	.120	.09	.05	.026	.12	.159	2.8	.1
%RSD	11.4	4.59	63.0	40.0	131.	1.43	3.99	132.	6.09	187.	22.6	.690
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**-.292**	**.102**	**-.021**	**-2.20**	**1.44**	**-.101**	**.329**	**.854**	**.502**
Stddev	.617	.248	.159	.43	1.18	1.82	.590	.253	.187
%RSD	211.	242.	768.	19.7	82.0	1800.	179.	29.6	37.3
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**42655.**
Stddev	136.
%RSD	.31808

Sample Name: MRL Acquired: 08/20/2013 16:19:01 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**19.0**	**417.**	**19.5**	**10.2**	**4.44**	**523.**	**4.43**	**10.5**	**8.58**	**10.6**	**303.**	**511.**
Stddev	.7	6.	.9	.2	.15	9.	.12	.2	.30	.6	1.	8.
%RSD	3.88	1.41	4.38	2.19	3.44	1.75	2.69	2.23	3.48	5.91	.288	1.60
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**11.2**	**10.3**	**10.9**	**8.50**	**20.8**	**21.7**	**21.6**	**11.5**	**12.1**
Stddev	.8	.1	.1	.57	.8	1.7	.4	.7	.2
%RSD	6.94	1.15	.823	6.69	4.02	7.80	1.84	5.75	1.56
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**42500.**
Stddev	71.
%RSD	.16640

Sample Name: icsa Acquired: 08/20/2013 16:22:53 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247	Fe2343
Avg	**.000**	**485000.**	**-.002**	**.004**	**.000**	**482000.**	**-.001**	**.022**	**.000**	**.017**	**460000.**
Stddev	.227	8570.	.901	.044	.052	15300.	1.18	.144	.697	2.52	16800.
%RSD	.000	1.77	58900.	1080.	9043e15	3.18	118000.	644.	637000.	14800.	3.64
Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit											
Low Limit											

Elem	Mg2025	Mn2576	Mo2020	Ni2316	Pb2169	Pb2203	Sb2175	Se1960	Tl2767	Tl1908	V_2924
Avg	**491000.**	**-.035**	**.000**	**.000**	**.380**	**-.001**	**.000**	**.014**	F **727.**	**.555**	**.000**
Stddev	6340.	.558	.91	.38	15.8	2.01	2.74	5.61	475.	1.12	.555
%RSD	1.29	1570.	66e6	450000.	4150.	195000.	1190000.	39500.	65.3	202.	268000.
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit									10.0		
Low Limit									-10.0		

Elem	Zn2138
Avg	**-.001**
Stddev	1.97
%RSD	190000.
Check ?	Chk Pass
High Limit	
Low Limit	

Sample Name: icsa Acquired: 08/20/2013 16:22:53 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Int. Std.	Y_3600
Avg	40090.[illegible]
Stddev	128.
%RSD	.31814

Sample Name: icsab Acquired: 08/20/2013 16:26:50 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3961	As1937	As1890	Ba4554	Ba4934	Be2348	Ca3179	Cd2288	Co2286	Co2388
Avg	**470.**	**479000.**	**508.**	**499.**	**527.**	**547.**	**479.**	**475000.**	**479.**	**434.**	**500.**
Stddev	5.	15700.	18.	5.	19.	19.	18.	12500.	7.	7.	18.
%RSD	.991	3.28	3.45	1.02	3.61	3.43	3.66	2.63	1.49	1.53	3.59
Check ?	None	None	None	None	None	None	None	None	None	None	None
Value											
Range											

Elem	Cr2677	Cr2835	Cu2247	Cu3247	Fe2343	Mg2025	Mn2576	Mn2593	Mo2020	Mo2045	Ni2216
Avg	**479.**	**488.**	**452.**	**528.**	**452000.**	**482000.**	**519.**	**406.**	**475.**	**508.**	**509.**
Stddev	7.	13.	5.	18.	14200.	6550.	18.	25.	7.	8.	8.
%RSD	1.43	2.67	1.00	3.46	3.15	1.36	3.51	6.26	1.50	1.52	1.57
Check ?	None	None	None	None	None	None	None	None	None	None	None
Value											
Range											

Elem	Ni2316	Pb2169	Pb2203	Sb2068	Sb2175	Se1960	Se1960	Tl2767	Tl1908	V_2908	V_2924
Avg	**424.**	**482.**	**398.**	**482.**	**480.**	**493.**	**458.**	**434.**	**353.**	**529.**	**496.**
Stddev	6.	10.	6.	4.	11.	16.	10.	527.	6.	16.	4.
%RSD	1.45	2.03	1.52	.919	2.18	3.19	2.19	121.	1.73	3.07	.841
Check ?	None	None	None	None	None	None	None	None	None	None	None
Value											
Range											

Sample Name: icsab Acquired: 08/20/2013 16:26:50 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Zn2062	Zn2138
Avg	454.[illegible]	489.[illegible]
Stddev	6.	7.
%RSD	1.38	1.41
Check ?	None	None
Value		
Range		

Int. Std.	Y_3600
Avg	39813.[illegible]
Stddev	77.
%RSD	.19432

Sample Name: ccv1 Acquired: 08/20/2013 17:11:43 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3092	As1890	Ba4934	Be2348	Ca3179	Cd2288	Co2388	Cr2835	Cu3247	Fe2343	Mg2025
Avg	**436.**	**4890.**	**4680.**	**5090.**	**508.**	**4950.**	**461.**	**4710.**	**4830.**	**4990.**	**4670.**	**4530.**
Stddev	3.	102.	62.	135.	11.	70.	6.	104.	95.	139.	99.	81.
%RSD	.582	2.09	1.32	2.64	2.23	1.40	1.26	2.20	1.96	2.78	2.13	1.78
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mg2802	Mn2593	Mo2045	Ni2216	Pb2169	Sb2068	Se2062	Tl2767	V_2908	Zn2062
Avg	**4790.**	**4960.**	**4660.**	**4610.**	**4800.**	**4720.**	**4670.**	**4830.**	**4780.**	**4440.**
Stddev	108.	111.	56.	56.	69.	57.	57.	342.	118.	45.
%RSD	2.26	2.24	1.20	1.21	1.44	1.20	1.21	7.09	2.46	1.02
Check ?	None	None	None	None	None	None	None	None	None	None
Value										
Range										

Int. Std.	Y_3600
Avg	**44934.**
Stddev	198.
%RSD	.44062

Sample Name: ccv2 Acquired: 08/20/2013 17:15:12 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**48.8**	**481.**	**489.**	**518.**	**52.3**	**538.**	**48.9**	**483.**	**489.**	**501.**	**504.**	**503.**
Stddev	.5	10.	8.	4.	.5	6.	1.1	9.	6.	9.	1.	4.
%RSD	1.08	2.01	1.65	.742	1.02	1.06	2.24	1.92	1.29	1.76	.215	.849
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**510.**	**491.**	**484.**	**483.**	**492.**	**502.**	**488.**	**493.**	**478.**
Stddev	5.	9.	9.	8.	11.	8.	10.	5.	9.
%RSD	1.06	1.78	1.78	1.68	2.19	1.62	2.00	1.05	1.87
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**44585.**
Stddev	128.
%RSD	.28678

Sample Name: ccb Acquired: 08/20/2013 17:18:41 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	.990	-8.19	-.626	1.07	.324	-5.78	-1.16	.433	-.253	.436	2.17	14.6
Stddev	.503	.75	2.03	.29	.064	.11	.10	.081	.119	.634	4.63	.1
%RSD	50.7	9.09	324.	27.1	19.8	1.87	8.16	18.6	47.1	145.	214.	.986
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2169	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	.498	2.34	.088	.117	-2.23	.366	5.29	3.18	.817	.884
Stddev	.318	.12	.223	.959	.02	.542	1.46	.32	.301	.018
%RSD	63.8	5.20	254.	817.	1.04	148.	27.5	10.2	36.9	2.09
Check ?	None	None	None	None	None	None	None	None	None	None
Value										
Range										

Int. Std.	Y_3600
Avg	43891.
Stddev	429.
%RSD	.97695

Sample Name: ccv1 Acquired: 08/20/2013 18:02:38 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al3092	As1890	Ba4934	Be2348	Ca3179	Cd2288	Co2388	Cr2835	Cu3247	Fe2395	Mg2025	Mn2593
Avg	**4680.**	**4820.**	**4930.**	**484.**	**4910.**	**472.**	**4500.**	**4680.**	**4800.**	**4580.**	**4580.**	**4780.**
Stddev	177.	62.	173.	17.	82.	6.	162.	155.	159.	174.	57.	158.
%RSD	3.78	1.27	3.51	3.44	1.68	1.17	3.60	3.31	3.32	3.79	1.24	3.31
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mo2045	Ni2216	Pb2169	Sb2068	Se2062	Tl2767	V_2908	Zn2062
Avg	**4810.**	**4780.**	**4850.**	**4820.**	**4830.**	**4800.**	**4600.**	**4650.**
Stddev	60.	67.	48.	35.	20.	111.	168.	79.
%RSD	1.24	1.41	.987	.730	.410	2.31	3.66	1.70
Check ?	None	None	None	None	None	None	None	None
Value								
Range								

Int. Std.	Y_3600
Avg	**42815.**
Stddev	161.
%RSD	.37575

Sample Name: ccv2 Acquired: 08/20/2013 18:06:03 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**48.4**	**496.**	**498.**	**489.**	**49.4**	**505.**	**50.3**	**499.**	**497.**	**514.**	**474.**	**476.**
Stddev	.6	9.	6.	11.	1.1	11.	1.1	9.	6.	10.	9.	11.
%RSD	1.26	1.74	1.26	2.21	2.26	2.16	2.19	1.82	1.22	1.94	1.93	2.35
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**479.**	**503.**	**499.**	**493.**	**495.**	**514.**	**498.**	**498.**	**485.**
Stddev	12.	8.	10.	9.	7.	5.	7.	8.	10.
%RSD	2.45	1.68	1.92	1.81	1.31	.920	1.48	1.70	2.01
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**43223.**
Stddev	40.
%RSD	.09141

Sample Name: ccb Acquired: 08/20/2013 18:09:33 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**1.09**	**-8.61**	**-1.42**	**1.59**	**.237**	**-6.01**	**-1.20**	**.349**	**.318**	**.723**	**6.71**	**14.9**
Stddev	.18	.48	.86	.45	.058	.24	.01	.116	.453	.122	2.83	.3
%RSD	16.4	5.62	60.8	28.1	24.5	4.03	1.20	33.1	143.	16.9	42.1	1.79
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2169	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**.750**	**2.74**	**.360**	**.132**	**-1.53**	**1.41**	**5.84**	**3.42**	**1.71**	**1.04**
Stddev	.738	.21	.223	1.46	.51	1.36	1.15	1.07	.39	.22
%RSD	98.4	7.52	61.7	1100.	33.4	96.8	19.6	31.1	22.8	20.7
Check ?	None	None	None	None	None	None	None	None	None	None
Value										
Range										

Int. Std.	Y_3600
Avg	**42907.**
Stddev	118.
%RSD	.27559

Sample Name: 337811 Acquired: 08/20/2013 18:34:38 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3092	As1937	Ba4554	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.730	85000.	105.	553.	572.	4.86	174000.	.060	89.8	128.	152.
Stddev	.263	1470.	3.	10.	11.	.15	3740.	.257	1.3	1.	2.
%RSD	36.1	1.74	3.15	1.83	1.90	3.09	2.15	428.	1.47	.424	1.09

Elem	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	187000.	45700.	3250.	10.3	209.	158.	8.79	8.79	2.37	138.	454.
Stddev	4000.	486.	63.	.2	2.	2.	.56	2.42	1.92	.	7.
%RSD	2.15	1.07	1.95	1.77	1.08	1.25	6.36	27.6	81.0	.340	1.47

Int. Std.	Y_3600
Units	Cts/S
Avg	40940.
Stddev	86.
%RSD	.20986

Sample Name: 337812 Acquired: 08/20/2013 18:38:23 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3961	As1937	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247	Fe2343
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.850**	**99200.**	**133.**	**670.**	**5.37**	**256000.**	**.039**	**110.**	**150.**	**166.**	**223000.**
Stddev	.425	2380.	2.	19.	.05	6020.	.112	1.	1.	3.	4230.
%RSD	50.0	2.40	1.29	2.84	.926	2.35	288.	1.35	.347	1.73	1.90

Elem	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**65100.**	**4140.**	**11.7**	**252.**	**97.7**	**11.0**	**-1.11**	**1.97**	**149.**	**506.**
Stddev	956.	97.	.3	4.	1.9	.5	1.60	.81	1.	8.
%RSD	1.47	2.34	2.26	1.71	1.95	4.28	145.	41.0	.472	1.52

Int. Std.	Y_3600
Units	Cts/S
Avg	**42187.**
Stddev	130.
%RSD	.30734

Sample Name: 337813 Acquired: 08/20/2013 18:42:08 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3961	As1937	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247	Fe2343
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.730**	**136000.**	**138.**	**834.**	**7.03**	**355000.**	**-2.49**	**120.**	**194.**	**193.**	**297000.**
Stddev	.567	2940.	2.	20.	.14	8630.	.75	2.	2.	5.	6220.
%RSD	77.7	2.16	1.63	2.44	1.92	2.43	30.2	1.83	.879	2.45	2.09

Elem	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**83400.**	**4520.**	**13.1**	**288.**	**126.**	**14.6**	**6.80**	**3.70**	**195.**	**646.**
Stddev	1390.	99.	.1	5.	2.	1.2	5.04	2.54	2.	12.
%RSD	1.67	2.19	1.02	1.67	1.22	7.87	74.1	68.6	1.22	1.81

Int. Std.	Y_3600
Units	Cts/S
Avg	**41476.**
Stddev	291.
%RSD	.70215

Sample Name: 337815 Acquired: 08/20/2013 18:45:49 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3092	As1937	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247	Fe2343
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.192**	**86000.**	**105.**	**603.**	**4.41**	**249000.**	**-3.55**	**87.1**	**121.**	**112.**	**198000.**
Stddev	.334	633.	5.	1.	.07	1630.	.68	3.3	1.	6.	1950.
%RSD	174.	.736	4.31	.207	1.70	.654	19.2	3.74	.903	5.65	.990

Elem	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**52900.**	**3790.**	**8.38**	**193.**	**66.9**	**10.4**	**7.07**	**5.01**	**122.**	**363.**
Stddev	2250.	26.	.66	8.	3.6	1.6	4.06	.26	2.	16.
%RSD	4.26	.696	7.91	3.95	5.40	15.7	57.5	5.17	1.36	4.28

Int. Std.	Y_3600
Units	Cts/S
Avg	**41939.**
Stddev	35.
%RSD	.08303

Sample Name: I337815 Acquired: 08/20/2013 18:49:34 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3092	As1937	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247	Fe2343	Mg2025
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avg	**.938**	**16000.**	**11.1**	**136.**	**.941**	**48400.**	**-2.84**	**12.3**	**25.6**	**13.7**	**38300.**	**6400.**
Stddev	.175	1880.	7.1	12.	.235	5740.	1.90	6.8	2.1	13.6	4610.	4420.
%RSD	18.6	11.8	63.7	9.04	24.9	11.9	66.8	55.6	8.09	98.9	12.0	69.1

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**711.**	**.790**	**27.4**	**10.4**	**.461**	**4.61**	**-.253**	**27.1**	**47.9**
Stddev	84.	.402	14.9	2.1	2.30	5.92	1.89	2.2	31.4
%RSD	11.8	50.9	54.2	20.5	500.	128.	746.	7.99	65.6

Int. Std.	Y_3600
Units	Cts/S
Avg	**47888.**
Stddev	3489.
%RSD	7.2862

Sample Name: ccv1 Acquired: 08/20/2013 18:53:30 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3092	As1890	Ba4934	Be2348	Ca3179	Cd2288	Co2388	Cr2835	Cu3247	Fe2343	Mg2025
Avg	**442.**	**4690.**	**4810.**	**4960.**	**477.**	**4650.**	**472.**	**4430.**	**4640.**	**4790.**	**4700.**	**4660.**
Stddev	7.	143.	82.	159.	14.	138.	10.	160.	117.	156.	80.	103.
%RSD	1.47	3.04	1.70	3.21	2.89	2.96	2.02	3.62	2.52	3.24	1.70	2.21
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2593	Mo2045	Ni2216	Pb2169	Sb2068	Se2062	Tl2767	V_2908	Zn2062
Avg	**4730.**	**4770.**	**4740.**	**4910.**	**4830.**	**4810.**	**4670.**	**4560.**	**4600.**
Stddev	156.	94.	103.	99.	85.	89.	34.	152.	100.
%RSD	3.29	1.97	2.18	2.01	1.75	1.86	.735	3.33	2.18
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**43134.**
Stddev	98.
%RSD	.22691

Sample Name: ccv2 Acquired: 08/20/2013 18:56:55 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**49.6**	**502.**	**504.**	**498.**	**49.8**	**509.**	**50.2**	**504.**	**503.**	**517.**	**515.**	**480.**
Stddev	.9	8.	7.	15.	1.4	15.	.7	7.	6.	7.	15.	13.
%RSD	1.77	1.66	1.43	2.97	2.73	3.02	1.41	1.40	1.15	1.40	2.98	2.66
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**478.**	**505.**	**504.**	**495.**	**506.**	**521.**	**503.**	**504.**	**485.**
Stddev	11.	7.	8.	4.	7.	7.	6.	5.	6.
%RSD	2.31	1.46	1.51	.846	1.40	1.41	1.24	.956	1.29
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**43185.**
Stddev	61.
%RSD	.14038

Sample Name: ccb Acquired: 08/20/2013 19:00:25 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**1.57**	**-8.21**	**-1.81**	**1.59**	**.203**	**-5.65**	**-1.18**	**.527**	**-.268**	**.692**	**20.9**	**15.0**
Stddev	.21	.39	.62	.51	.139	.26	.03	.188	.212	.499	1.9	.2
%RSD	13.1	4.78	34.4	32.3	68.3	4.61	2.76	35.6	79.2	72.2	8.83	1.24
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**.882**	**2.14**	**.473**	**-.762**	**.995**	**4.68**	**2.10**	**1.45**	**.909**
Stddev	.568	.17	.125	.694	.256	.12	1.80	.28	.185
%RSD	64.4	8.04	26.4	91.1	25.7	2.65	85.9	19.4	20.4
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**43163.**
Stddev	85.
%RSD	.19681

Sample Name: dup337815 Acquired: 08/20/2013 19:04:20 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3092	As1937	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247	Fe2343
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.040	76100.	103.	555.	3.99	228000.	-.321	96.8	118.	130.	175000.
Stddev	.738	6710.	6.	46.	.25	20100.	.401	5.0	7.	6.	14500.
%RSD	1840.	8.82	5.71	8.27	6.16	8.81	125.	5.19	6.25	4.46	8.26

Elem	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	57000.	3820.	9.14	217.	70.5	8.25	-3.66	4.46	118.	391.
Stddev	3340.	317.	.72	12.	4.8	1.01	1.80	1.42	7.	21.
%RSD	5.87	8.29	7.85	5.33	6.76	12.3	49.0	31.9	6.06	5.39

Int. Std.	Y_3600
Units	Cts/S
Avg	44591.
Stddev	2320.
%RSD	5.2021

Sample Name: mss337815 Acquired: 08/20/2013 19:08:06 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3092	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**13.5**	**78400.**	**682.**	**655.**	**1190.**	**19.7**	**259000.**	**12.3**	**223.**	**172.**	**188.**
Stddev	.5	500.	1.	2.	13.	.3	2400.	.2	1.	1.	1.
%RSD	3.44	.638	.218	.279	1.05	1.53	.926	1.49	.264	.778	.369

Elem	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se2062	Tl1908	V_2924	Zn2138
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**174000.**	**68300.**	**3850.**	**8.16**	**334.**	**189.**	**17.5**	**524.**	**457.**	**254.**	**508.**
Stddev	1350.	247.	28.	.10	2.	2.	1.3	27.	1.	3.	2.
%RSD	.771	.361	.731	1.20	.524	.821	7.52	5.22	.274	1.22	.423

Int. Std.	Y_3600
Units	Cts/S
Avg	**41854.**
Stddev	127.
%RSD	.30444

Sample Name: msds337815 Acquired: 08/20/2013 19:11:49 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3092	As1937	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247	Fe2343
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**12.3**	**66300.**	**624.**	**1020.**	**17.2**	**218000.**	**12.0**	**201.**	**153.**	**171.**	**148000.**
Stddev	.3	1550.	8.	26.	.3	4320.	.2	2.	1.	2.	3060.
%RSD	2.07	2.34	1.23	2.56	1.92	1.98	1.40	.841	.862	.930	2.08

Elem	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se2062	Tl1908	V_2924	Zn2138
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**61200.**	**3170.**	**7.57**	**298.**	**174.**	**14.3**	**491.**	**432.**	**230.**	**458.**
Stddev	545.	69.	.26	3.	.	2.0	5.	4.	2.	4.
%RSD	.891	2.17	3.43	.895	.195	13.8	1.04	.991	.990	.776

Int. Std.	Y_3600
Units	Cts/S
Avg	**41955.**
Stddev	62.
%RSD	.14697

Sample Name: pdss337815 Acquired: 08/20/2013 19:15:33 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3092	As1937	As1890	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**13.9**	**69800.**	**702.**	**673.**	**1130.**	**18.7**	**206000.**	**13.5**	**228.**	**165.**	**191.**
Stddev	.8	1840.	4.	6.	35.	.6	6360.	.3	2.	1.	1.
%RSD	5.98	2.63	.526	.902	3.12	3.04	3.09	1.87	.841	.868	.441

Elem	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se2062	Tl1908	V_2924	Zn2138
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**160000.**	**52400.**	**3610.**	**7.68**	**337.**	**194.**	**153.**	**553.**	**496.**	**256.**	**500.**
Stddev	4590.	441.	107.	.33	3.	1.	1.	20.	4.	1.	3.
%RSD	2.88	.842	2.96	4.23	.870	.558	.597	3.65	.869	.491	.513

Int. Std.	Y_3600
Units	Cts/S
Avg	**42244.**
Stddev	143.
%RSD	.33753

Sample Name: 337818 Acquired: 08/20/2013 19:19:16 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3092	As1937	Ba4554	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.419**	**96600.**	**107.**	**603.**	**625.**	**5.24**	**223000.**	**-.101**	**90.8**	**141.**	**164.**
Stddev	.496	1740.	7.	14.	13.	.21	3980.	.123	1.1	.	2.
%RSD	118.	1.80	6.48	2.41	2.04	3.98	1.79	122.	1.21	.207	1.25

Elem	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**210000.**	**58100.**	**3300.**	**9.80**	**225.**	**91.4**	**9.58**	**-.914**	**6.10**	**145.**	**542.**
Stddev	4010.	782.	58.	.36	2.	.5	1.63	1.02	2.71	1.	5.
%RSD	1.91	1.35	1.75	3.71	.719	.570	17.0	112.	44.4	.497	.985

Int. Std.	Y_3600
Units	Cts/S
Avg	**41661.**
Stddev	60.
%RSD	.14506

Sample Name: 337820 Acquired: 08/20/2013 19:23:02 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3092	As1937	Ba4554	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.178**	**87500.**	**102.**	**567.**	**589.**	**4.91**	**197000.**	**.370**	**89.2**	**131.**	**161.**
Stddev	.342	3280.	1.	21.	22.	.32	7680.	.385	1.4	1.	1.
%RSD	192.	3.74	.893	3.64	3.78	6.45	3.89	104.	1.56	.517	.901

Elem	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**192000.**	**53800.**	**3070.**	**9.08**	**218.**	**87.1**	**8.43**	**-4.71**	**2.62**	**135.**	**518.**
Stddev	7040.	668.	122.	.32	3.	1.2	3.03	4.81	1.09	1.	7.
%RSD	3.66	1.24	3.99	3.56	1.48	1.39	35.9	102.	41.4	.717	1.42

Int. Std.	Y_3600
Units	Cts/S
Avg	**41971.**
Stddev	118.
%RSD	.28101

Sample Name: 337822 Acquired: 08/20/2013 19:26:47 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3092	Al3961	As1937	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.073**	**97800.**	**96600.**	**91.6**	**629.**	**4.98**	**283000.**	**-.561**	**97.6**	**145.**	**162.**
Stddev	.297	1020.	952.	2.4	8.	.19	3700.	.066	.7	.	1.
%RSD	409.	1.04	.985	2.60	1.33	3.84	1.30	11.7	.753	.303	.709

Elem	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**203000.**	**68800.**	**3450.**	**10.1**	**234.**	**90.2**	**7.23**	**-5.46**	**2.42**	**147.**	**486.**
Stddev	2440.	443.	42.	.2	2.	1.3	2.00	2.62	3.07	.	3.
%RSD	1.20	.644	1.21	2.02	.761	1.46	27.6	48.0	127.	.240	.588

Int. Std.	Y_3600
Units	Cts/S
Avg	**41632.**
Stddev	32.
%RSD	.07736

Sample Name: 337824 Acquired: 08/20/2013 19:30:32 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3092	Al3961	As1937	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**-.337**	**87700.**	**87100.**	**87.9**	**577.**	**4.49**	**231000.**	**-.439**	**88.2**	**133.**	**146.**
Stddev	.290	1160.	1060.	4.1	8.	.17	3290.	.177	1.0	1.	2.
%RSD	86.2	1.32	1.22	4.70	1.44	3.86	1.43	40.3	1.08	.383	1.37

Elem	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	**189000.**	**60800.**	**2930.**	**10.0**	**211.**	**80.8**	**6.96**	**-4.62**	**1.69**	**135.**	**446.**
Stddev	2420.	777.	37.	.2	3.	1.2	2.36	1.57	.77	1.	5.
%RSD	1.28	1.28	1.26	2.17	1.21	1.44	33.9	34.0	45.8	.973	1.08

Int. Std.	Y_3600
Units	Cts/S
Avg	**41685.**
Stddev	106.
%RSD	.25321

Sample Name: 337826 Acquired: 08/20/2013 19:34:17 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3092	Al3961	As1937	Ba4554	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	-.396	89100.	88500.	100.0	636.	658.	4.60	270000.	-1.03	103.	132.
Stddev	.692	219.	196.	3.02	6.	6.	.09	1100.	.14	1.	1.
%RSD	175.	.246	.221	3.02	.944	.844	1.97	.407	13.9	.500	.588

Elem	Cu2247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2169	Pb2203	Sb2175	Se1960	Tl1908
Units	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	147.	196000.	61600.	3840.	10.6	230.	177.	84.1	8.09	-1.99	1.67
Stddev	.	836.	327.	17.	.2	1.	5.	.5	.84	1.47	2.29
%RSD	.339	.426	.530	.436	1.69	.529	2.94	.631	10.4	74.0	137.

Elem	V_2924	Zn2062	Zn2138
Units	ug/L	ug/L	ug/L
Avg	132.	427.	436.
Stddev	1.	2.	2.
%RSD	.609	.423	.446

Int. Std.	Y_3600
Units	Cts/S
Avg	41797.
Stddev	152.
%RSD	.36267

Sample Name: 337828 Acquired: 08/20/2013 19:38:02 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3092	Al3961	As1937	Ba4554	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.181	88700.	88100.	87.5	604.	625.	4.53	254000.	-2.44	69.2	128.
Stddev	.232	1160.	1160.	2.9	6.	4.	.12	1400.	.32	1.2	1.
%RSD	129.	1.31	1.31	3.28	.930	.701	2.72	.551	13.2	1.74	.395

Elem	Cu2247	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316		Pb2203	Sb2175	Se1960	Tl1908
Units	ug/L	ug/L	mg/L	ug/L	ug/L	ug/L		ug/L	ug/L	ug/L	ug/L
Avg	132.	191000.	55000.	2420.	8.11	179.		72.2	8.48	1.48	1.72
Stddev	2.	1890.	888.	14.	.10	2.		2.2	2.39	1.80	1.76
%RSD	1.23	.990	1.62	.559	1.24	1.12		2.99	28.2	122.	102.

Elem	V_2924	Zn2138
Units	ug/L	ug/L
Avg	130.	404.
Stddev	1.	8.
%RSD	.706	1.92

Int. Std.	Y_3600
Units	Cts/S
Avg	41864.
Stddev	213.
%RSD	.50838

Sample Name: ccv1 Acquired: 08/20/2013 19:41:48 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3092	As1890	Ba4934	Be2348	Ca3179	Cd2288	Co2388	Cr2835	Cu3247	Fe2343	Mg2025
Avg	**445.**	**4780.**	**4950.**	**5040.**	**488.**	**4770.**	**482.**	**4480.**	**4810.**	**4800.**	**4740.**	**4820.**
Stddev	4.	148.	56.	157.	16.	114.	6.	126.	132.	150.	30.	65.
%RSD	.798	3.10	1.14	3.12	3.21	2.39	1.16	2.80	2.74	3.12	.630	1.35
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2593	Mo2045	Ni2216	Pb2169	Sb2068	Se2062	Tl1908	V_2908	Zn2062
Avg	**4820.**	**4870.**	**4880.**	**4990.**	**4910.**	**4810.**	**4650.**	**4590.**	**4790.**
Stddev	127.	57.	63.	53.	46.	34.	45.	130.	70.
%RSD	2.64	1.17	1.30	1.06	.935	.703	.965	2.83	1.45
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**42564.**
Stddev	90.
%RSD	.21093

Sample Name: ccv2 Acquired: 08/20/2013 19:45:12 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**49.4**	**513.**	**511.**	**514.**	**51.2**	**523.**	**50.6**	**512.**	**512.**	**523.**	**530.**	**496.**
Stddev	.3	11.	9.	5.	.7	6.	1.2	12.	10.	12.	10.	6.
%RSD	.534	2.05	1.85	.892	1.40	1.06	2.46	2.39	1.91	2.27	1.94	1.26
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**489.**	**512.**	**512.**	**504.**	**509.**	**528.**	**512.**	**513.**	**490.**
Stddev	6.	13.	12.	13.	8.	9.	9.	8.	11.
%RSD	1.23	2.51	2.42	2.51	1.66	1.66	1.70	1.55	2.32
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**42783.**
Stddev	240.
%RSD	.56131

Sample Name: ccb Acquired: 08/20/2013 19:48:41 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**1.10**	**-8.05**	**-.117**	**1.58**	**.276**	**-6.13**	**-1.13**	**.485**	**-.234**	**.636**	**21.9**	**14.9**
Stddev	.27	.30	1.50	.35	.162	.27	.09	.061	.241	.037	2.6	.2
%RSD	24.3	3.69	1280.	22.2	58.9	4.41	8.07	12.6	103.	5.80	11.8	1.03
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**.772**	**2.24**	**.609**	**-1.84**	**2.03**	**5.45**	**2.56**	**1.78**	**1.13**
Stddev	.689	.20	.240	.09	.88	2.17	1.98	.20	.22
%RSD	89.3	9.12	39.4	4.82	43.4	39.9	77.2	11.0	19.7
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**42690.**
Stddev	147.
%RSD	.34441

Sample Name: 337830 Acquired: 08/20/2013 19:52:35 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3961	As1937	Ba4554	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.212	80700.	87.8	468.	490.	4.24	219000.	-1.27	72.4	121.	135.
Stddev	.201	2900.	1.7	20.	18.	.25	8980.	.20	2.0	3.	3.
%RSD	94.6	3.60	1.95	4.18	3.76	5.79	4.10	16.0	2.79	2.75	2.32

Elem	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	178000.	55000.	2510.	8.06	184.	68.9	10.5	-3.13	2.41	124.	389.
Stddev	6480.	1590.	97.	.89	5.	2.0	4.5	2.33	1.61	4.	10.
%RSD	3.63	2.90	3.86	11.1	2.75	2.93	43.1	74.2	66.8	3.10	2.60

Int. Std.	Y_3600
Units	Cts/S
Avg	42874.
Stddev	1248.
%RSD	2.9114

Sample Name: 337832 Acquired: 08/20/2013 19:56:21 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3092	As1937	Ba4554	Ba4934	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.233	67700.	53.2	429.	453.	3.58	192000.	-4.43	49.3	113.	85.0
Stddev	1.00	6940.	16.9	44.	44.	.31	19200.	6.30	20.5	7.	51.6
%RSD	430.	10.2	31.9	10.2	9.61	8.77	9.98	142.	41.6	6.55	60.7

Elem	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	146000.	36200.	2100.	6.81	126.	48.8	6.38	7.85	3.91	112.	256.
Stddev	14400.	17700.	231.	2.11	50.	16.2	1.82	19.8	5.29	7.	120.
%RSD	9.87	48.8	11.0	31.0	39.9	33.1	28.5	252.	135.	6.12	47.1

Int. Std.	Y_3600
Units	Cts/S
Avg	45654.
Stddev	2812.
%RSD	6.1603

Sample Name: 337834 Acquired: 08/20/2013 20:00:07 Type: Unk
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 5
Comment:

Elem	Ag3280	Al3092	Al3961	As1937	Ba4554	Be3130	Ca3179	Cd2265	Co2286	Cr2677	Cu2247
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	.268	78600.	78300.	75.2	456.	4.08	235000.	-.349	71.9	121.	136.
Stddev	.121	2610.	2540.	2.6	15.	.08	8140.	.237	1.0	1.	1.
%RSD	45.0	3.33	3.25	3.51	3.27	2.01	3.47	67.9	1.39	.490	.964

Elem	Fe2343	Mg2025	Mn2593	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Units	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avg	168000.	57700.	2540.	8.18	190.	67.5	6.70	-6.18	1.54	123.	391.
Stddev	5580.	1080.	82.	.60	3.	1.7	.69	.50	2.16	2.	6.
%RSD	3.33	1.88	3.24	7.33	1.59	2.48	10.3	8.16	141.	1.81	1.42

Int. Std.	Y_3600
Units	Cts/S
Avg	41775.
Stddev	220.
%RSD	.52582

Sample Name: ccv1 Acquired: 08/20/2013 20:30:07 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al3092	As1890	Ba4934	Be2348	Ca3179	Cd2288	Co2388	Cr2835	Cu3247	Fe2343	Mg2025
Avg	**444.**	**4710.**	**4990.**	**4960.**	**478.**	**4720.**	**484.**	**4360.**	**4800.**	**4670.**	**4670.**	**4880.**
Stddev	5.	97.	98.	153.	15.	153.	9.	138.	172.	150.	103.	83.
%RSD	1.15	2.06	1.96	3.08	3.12	3.24	1.87	3.17	3.59	3.21	2.20	1.70
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2593	Mo2045	Ni2216	Pb2169	Sb2068	Se2062	Tl2767	V_2908	Zn2062
Avg	**4740.**	**4900.**	**4910.**	**5010.**	**4930.**	**4780.**	**4840.**	**4480.**	**4860.**
Stddev	148.	94.	99.	84.	76.	96.	331.	135.	112.
%RSD	3.13	1.93	2.02	1.67	1.55	2.01	6.84	3.01	2.30
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**42059.**
Stddev	73.
%RSD	.17260

Sample Name: ccv2 Acquired: 08/20/2013 20:33:32 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**50.1**	**526.**	**521.**	**511.**	**51.3**	**514.**	**51.3**	**528.**	**525.**	**536.**	**524.**	**495.**
Stddev	.3	8.	8.	13.	1.4	13.	.9	9.	4.	8.	5.	13.
%RSD	.555	1.57	1.47	2.57	2.78	2.56	1.76	1.66	.791	1.58	.982	2.60
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**482.**	**523.**	**530.**	**509.**	**515.**	**540.**	**520.**	**523.**	**494.**
Stddev	11.	8.	9.	9.	8.	7.	10.	5.	9.
%RSD	2.21	1.52	1.69	1.71	1.56	1.36	1.94	.883	1.83
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**42141.**
Stddev	323.
%RSD	.76592

Sample Name: ccb Acquired: 08/20/2013 20:37:02 Type: QC
Method: DOD Calibration 1(v1393) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6500: Prep Batch: Post Digestion dilution: 1
Comment:

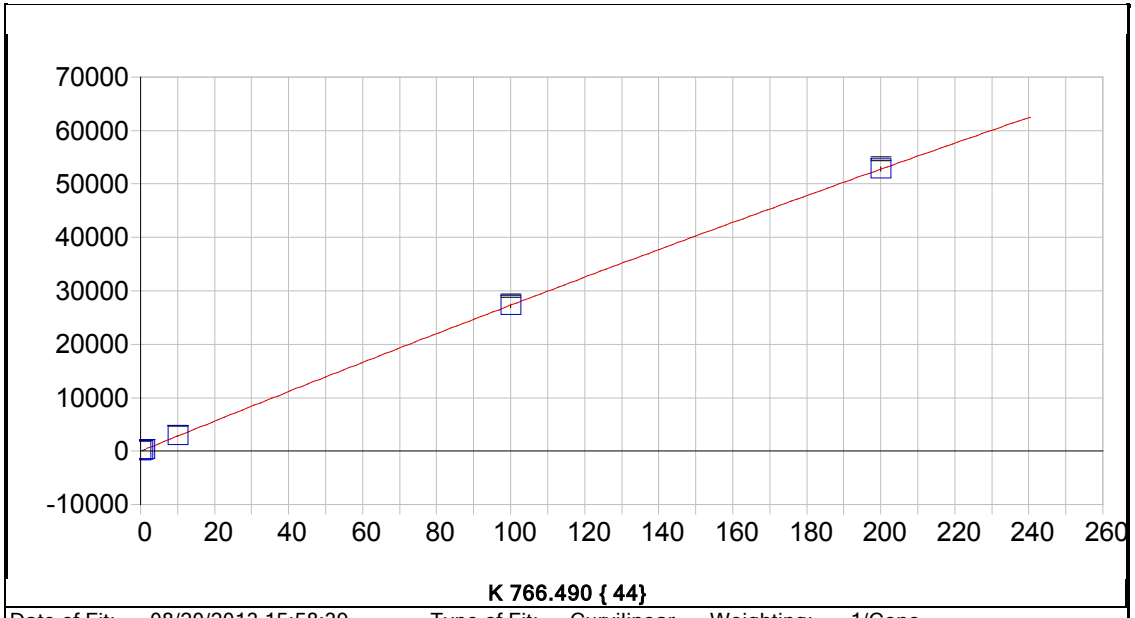
Elem	Ag3280	Al1670	As1937	Ba4554	Be3130	Ca3933	Cd2265	Co2286	Cr2677	Cu2247	Fe2599	Mg2802
Avg	**1.21**	**-8.19**	**-1.58**	**1.41**	**.271**	**-6.02**	**-1.25**	**.524**	**-.275**	**.801**	**18.6**	**14.8**
Stddev	.78	.58	.72	.19	.013	.23	.08	.059	.371	.169	.6	.2
%RSD	64.5	7.04	45.7	13.2	4.80	3.82	6.38	11.2	135.	21.0	3.48	1.54
Check ?	None	None	None	None	None	None	None	None	None	None	None	None
Value												
Range												

Elem	Mn2576	Mo2020	Ni2316	Pb2203	Sb2175	Se1960	Tl1908	V_2924	Zn2138
Avg	**1.05**	**2.27**	**.630**	**-1.21**	**1.30**	**3.16**	**2.32**	**1.46**	**1.02**
Stddev	.50	.14	.332	.66	.38	1.16	1.75	.19	.17
%RSD	47.7	6.00	52.7	54.7	29.3	36.6	75.4	13.1	16.7
Check ?	None	None	None	None	None	None	None	None	None
Value									
Range									

Int. Std.	Y_3600
Avg	**42252.**
Stddev	18.
%RSD	.04359

	Element, Wavelength and Order	Date of Fit	Date of Cal.	Type of Fit	Weighting	A0	A1	A2	n (Exponent)	Correlation	Std Error of Est	Predicted MDL	Predicted MQL
	K 766.490 { 44}	08/20/2013 15:58:39	08/20/2013 09:46:58	Curvilin	1/Conc	3.371109	282.276193	-0.092188	1.000000	0.999991	0.623147	0.022978	0.076592
	Na 330.237 {102}	08/20/2013 15:58:39	08/20/2013 09:46:58	Full Fit	1/Conc	0.550418	1.794040	-0.000541	0.990000	1.000000	0.000000	1.036671	3.455569
	Na 589.592 { 57}	08/20/2013 15:58:39	08/20/2013 09:44:54	Linear	1/Conc	17.423637	1874.74072	0.000000	1.000000	0.999298	15.683179	0.003280	0.010934
	Y 320.332 {105}*	08/20/2013 15:58:39	08/20/2013 09:40:00	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	-1.000000	-1.000000
	Y 360.073 { 94}	08/20/2013 15:58:39	08/20/2013 09:40:00	Linear	1/Conc	0.000000	0.000000	0.000000	1.000000	0.000000	0.000000	-1.000000	-1.000000
	Al 308.215 {109}	08/20/2013 15:58:39	08/20/2013 09:48:08	Linear	1/Conc	0.005717	0.005242	0.000000	1.000000	1.000000	0.000000	-1.000000	-1.000000
	Al 396.152 { 85}	08/20/2013 15:58:39	08/20/2013 09:48:08	Linear	1/Conc	0.008043	0.035930	0.000000	1.000000	1.000000	0.000000	0.011485	0.038284
	Mg 279.553 {121}	08/20/2013 15:58:39	08/20/2013 09:48:08	Linear	1/Conc	0.001909	0.313517	0.000000	1.000000	1.000000	0.000000	0.000435	0.001452
	Mg 285.213 {118}	08/20/2013 15:58:39	08/20/2013 09:48:08	Linear	None	0.000105	0.039694	0.000000	1.000000	1.000000	0.000000	0.003993	0.013312
	Ca 317.933 {106}	08/20/2013 15:58:39	08/20/2013 09:48:08	Linear	None	0.031110	0.004713	0.000000	1.000000	1.000000	0.000000	-1.000000	-1.000000
	Fe 234.349 {144}	08/20/2013 15:58:39	08/20/2013 09:48:08	Linear	None	0.000191	0.004899	0.000000	1.000000	1.000000	0.000000	0.027316	0.091052

	Element, Wavelength and Order	Status	Reslope		QC Norm	
			Slope	Y-int	Slope factor	Offset
	K 766.490 { 44}	OK.	1.000000	0.000000	1	0
	Na 330.237 {102}	OK.	1.000000	0.000000	1	0
	Na 589.592 { 57}	OK.	1.000000	0.000000	1	0
	Y 320.332 {105}*	Warnin	1.000000	0.000000	1	0
	Y 360.073 { 94}	Warnin	1.000000	0.000000	1	0
	Al 308.215 {109}	OK.	1.000000	0.000000	1	0
	Al 396.152 { 85}	OK.	1.000000	0.000000	1	0
	Mg 279.553 {121}	OK.	1.000000	0.000000	1	0
	Mg 285.213 {118}	OK.	1.000000	0.000000	1	0
	Ca 317.933 {106}	OK.	1.000000	0.000000	1	0
	Fe 234.349 {144}	OK.	1.000000	0.000000	1	0

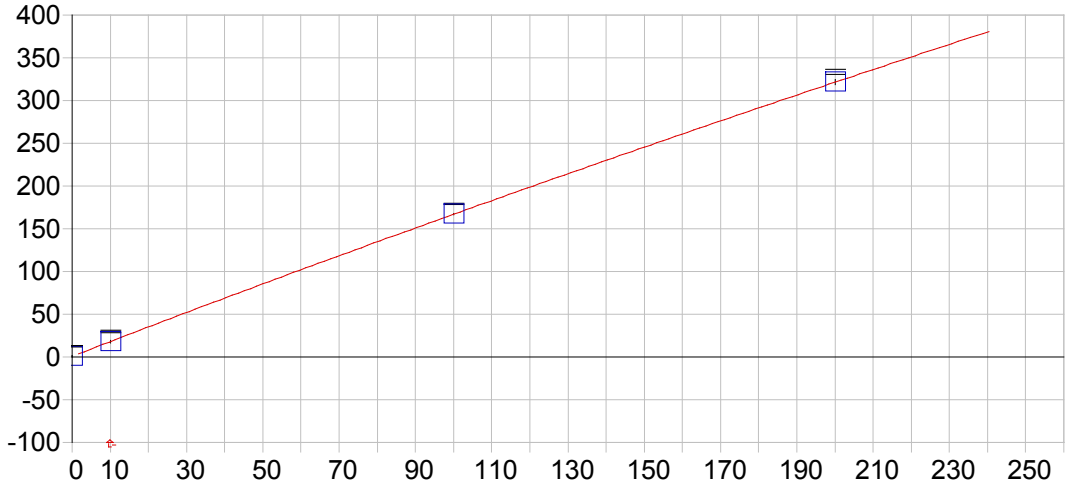


K 766.490 { 44}

Date of Fit:	08/20/2013 15:58:39	Type of Fit:	Curvilinear	Weighting:	1/Conc

A0 (Offset):	3.371109	Re-Slope:	1.000000
A1 (Gain):	282.276193	Y-int:	0.000000
A2 (Curvature):	-0.092188		
n (Exponent):	1.000000		
Correlation:	0.999991	Status:	OK.
Std Error of Est:	0.623147		
Predicted MDL:	0.022978		
Predicted MQL:	0.076592		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00004	.000	.000	3.3605	4.44	1
CalibStd-1.0	1.0000	1.0377	.038	3.77	296.19	1.34	1
CalibStd-10	10.000	10.132	.132	1.32	2853.9	25.1	1
CalibStd-0.5	.50000	.51350	.013	2.70	148.30	1.05	1
CalibStd-200	200.00	200.19	.194	.097	52819.	372.	1
CalibStd-100	100.00	99.624	-.376	-.376	27210.	276.	1

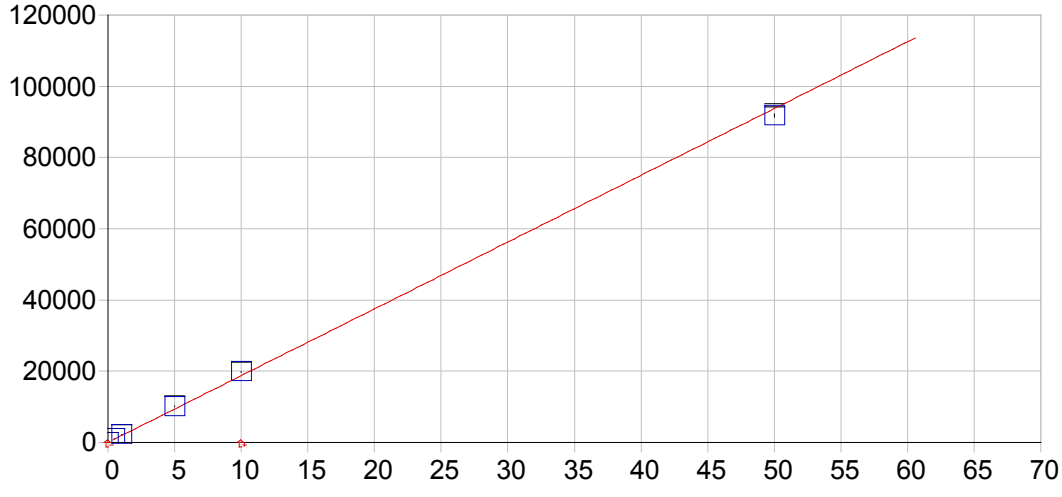


Na 330.237 {102}

Date of Fit:	08/20/2013 15:58:39	Type of Fit:	Full Fit	Weighting:	1/Conc

A0 (Offset):	0.550418	Re-Slope:	1.000000
A1 (Gain):	1.794040	Y-int:	0.000000
A2 (Curvature):	-0.000541		
n (Exponent):	0.990000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	1.036671		
Predicted MQL:	3.455569		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.55038	.897	1
CalibStd-200	200.00	200.03	.030	.015	321.41	3.05	1
CalibStd-10	10.000	10.027	.027	.275	18.078	1.34	1
CalibStd-100	100.00	99.942	-.058	-.058	166.85	.723	1

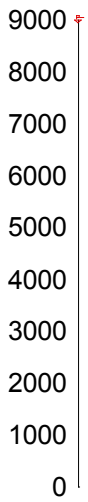


Na 589.592 { 57}

Date of Fit:	08/20/2013 15:58:39	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	17.423637	Re-Slope:	1.000000
A1 (Gain):	1874.740721	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999298	Status:	OK.
Std Error of Est:	15.683179		
Predicted MDL:	0.003280		
Predicted MQL:	0.010934		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	-.00015	.000	.000	17.139	2.15	1
CalibStd-0.5	.50000	.54587	.046	9.17	1040.8	14.2	1
CalibStd-1.0	1.0000	1.1076	.108	10.8	2094.0	24.7	1
CalibStd-5	5.0000	5.3533	.353	7.07	10053.	108.	1
CalibStd-10	10.000	10.551	.551	5.51	19797.	120.	1
CalibStd-50	50.000	48.943	-1.06	-2.11	91772.	393.	1

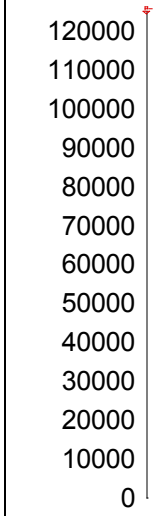


Y 320.332 {105}*

Date of Fit:	08/20/2013 15:58:39	Type of Fit:	Linear	Weighting:	1/Conc

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

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	8206.6	56.0	1

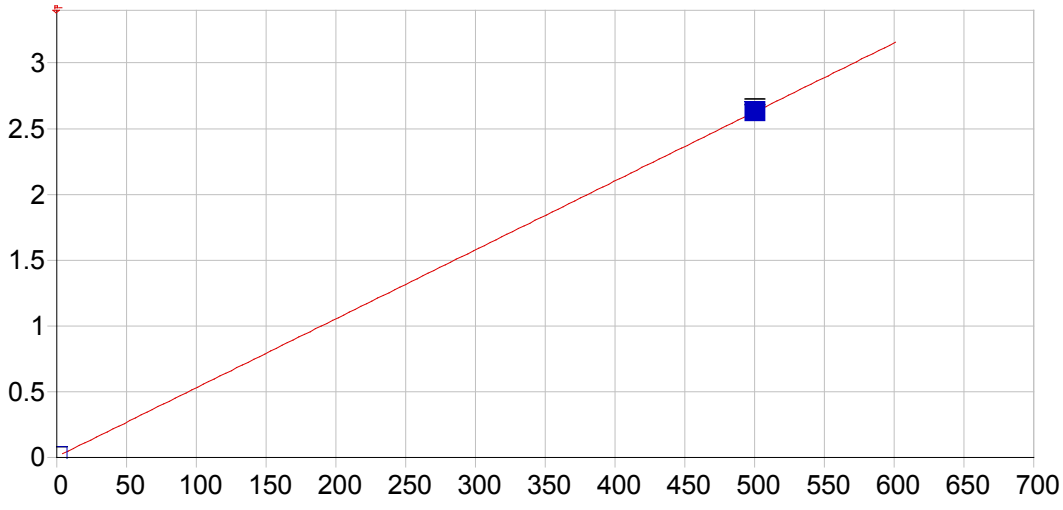


Y 360.073 { 94}

Date of Fit:	08/20/2013 15:58:39	Type of Fit:	Linear	Weighting:	1/Conc

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

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	117270.	470.	1

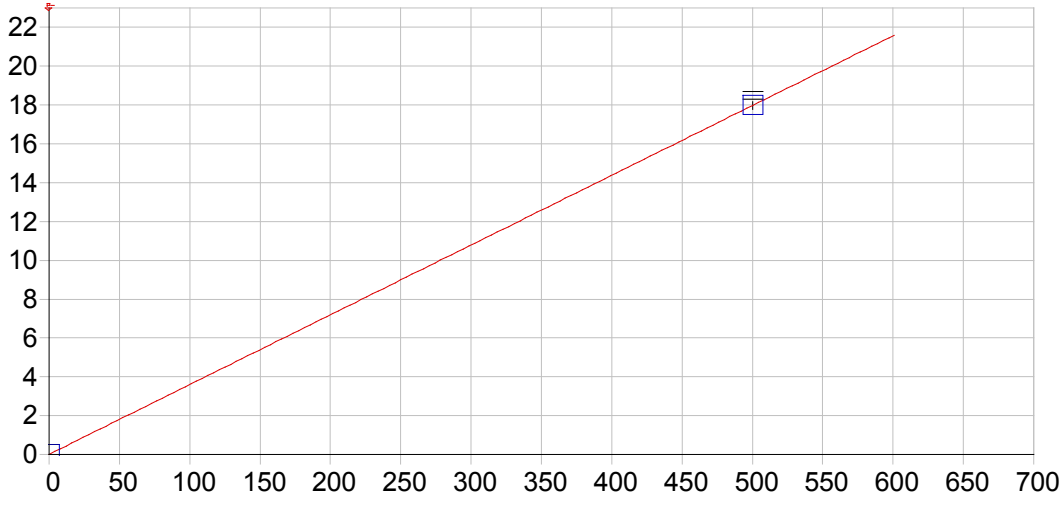


Al 308.215 {109}

Date of Fit:	08/20/2013 15:58:39	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.005717	Re-Slope:	1.000000
A1 (Gain):	0.005242	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00572	.000	1
CalibStd-500	500.00	500.00	.000	.000	2.6267	.022	1

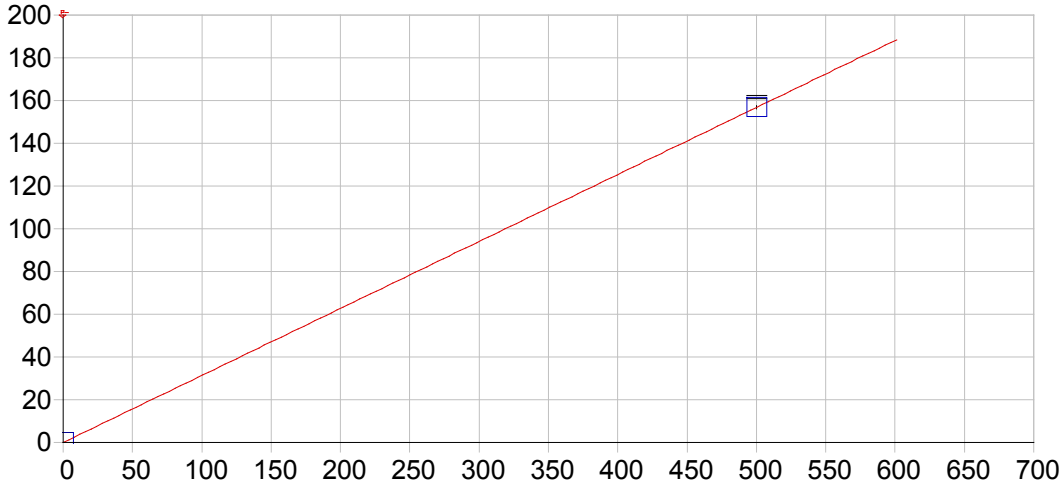


Al 396.152 { 85}

Date of Fit:	08/20/2013 15:58:39	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.008043	Re-Slope:	1.000000
A1 (Gain):	0.035930	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	0.011485		
Predicted MQL:	0.038284		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00804	.001	1
CalibStd-500	500.00	500.00	.000	.000	17.973	.191	1

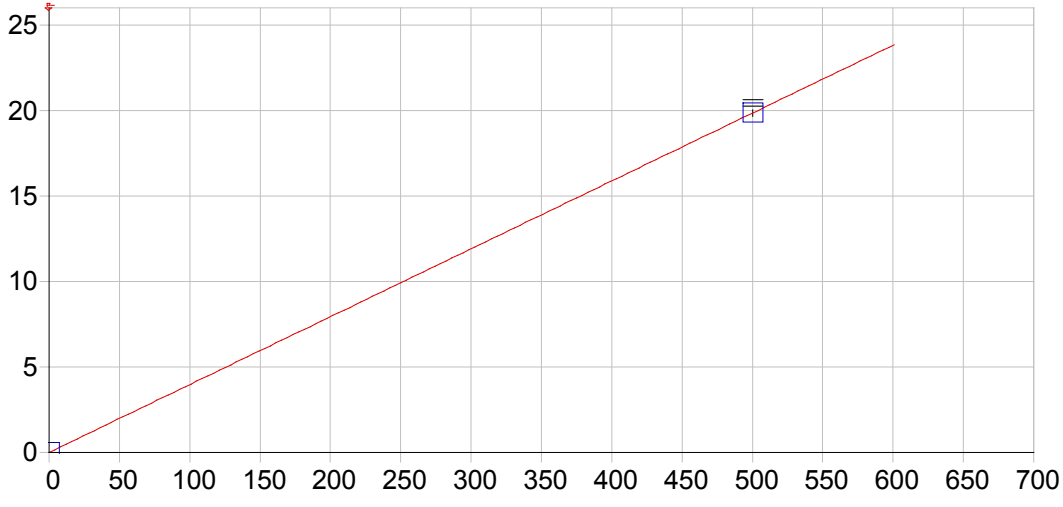


Mg 279.553 {121}

Date of Fit:	08/20/2013 15:58:39	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001909	Re-Slope:	1.000000
A1 (Gain):	0.313517	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	0.000435		
Predicted MQL:	0.001452		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00191	.000	1
CalibStd-500	500.00	500.00	.000	.000	156.76	.729	1

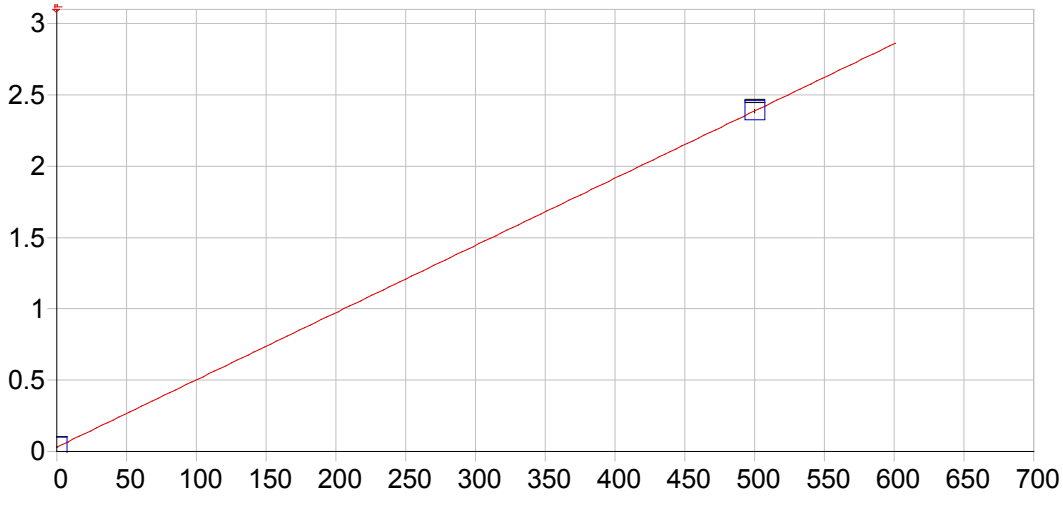


Mg 285.213 {118}

Date of Fit:	08/20/2013 15:58:39	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000105	Re-Slope:	1.000000
A1 (Gain):	0.039694	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	0.003993		
Predicted MQL:	0.013312		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00011	.000	1
CalibStd-500	500.00	500.00	.000	.000	19.847	.191	1

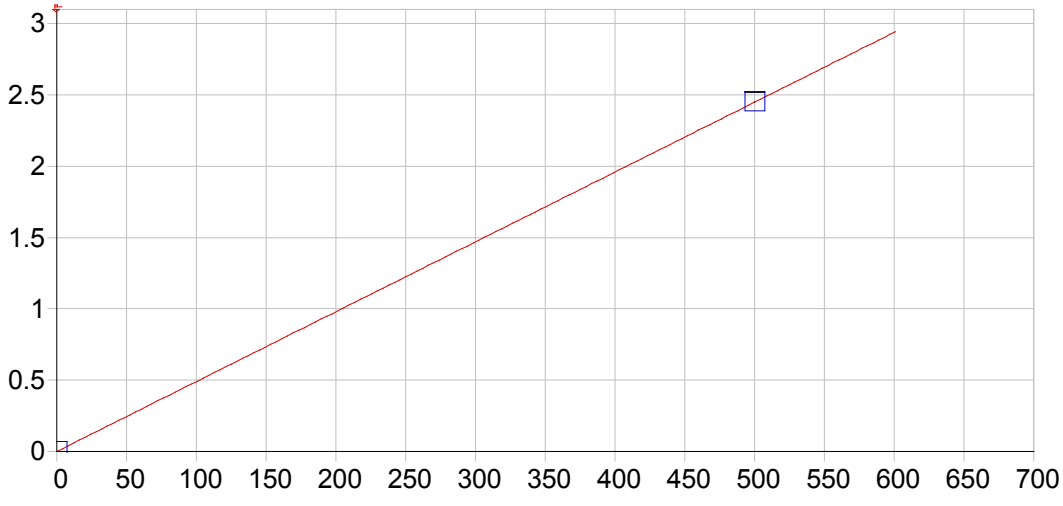


Ca 317.933 {106}

Date of Fit:	08/20/2013 15:58:39	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.031110	Re-Slope:	1.000000
A1 (Gain):	0.004713	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	n/a		
Predicted MQL:	n/a		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.03111	.000	1
CalibStd-500	500.00	500.00	.000	.000	2.3876	.012	1



Fe 234.349 {144}

Date of Fit:	08/20/2013 15:58:39	Type of Fit:	Linear	Weighting:	None

A0 (Offset):	0.000191	Re-Slope:	1.000000
A1 (Gain):	0.004899	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	1.000000	Status:	OK.
Std Error of Est:	0.000000		
Predicted MDL:	0.027316		
Predicted MQL:	0.091052		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
Blank	.00000	.00000	.000	.000	.00019	.000	1
CalibStd-500	500.00	500.00	.000	.000	2.4496	.003	1

Sample Name: Blank Acquired: 08/20/2013 09:39:03 Type: Cal
Method: Sodium and Potassium 1asx(v79) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na3302	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.36**	**.550**	**17.1**	**.01**	**.000**	**.031**	**.000**
Stddev	4.44	.897	2.1	.00	.000	.000	.000
%RSD	132.	163.	12.5	2.4	84.9	.361	70.8

Int. Std.	Y_3203
Units	Cts/S
Avg	**8206.6**
Stddev	56.0
%RSD	.68281

Sample Name: CalibStd-0.5 Acquired: 08/20/2013 09:40:06 Type: Cal
Method: Sodium and Potassium 1asx(v79) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895
Units	Cts/S	Cts/S
Avg	**148.**	**1040.**
Stddev	1.	14.
%RSD	.706	1.36

Sample Name: CalibStd-1.0 Acquired: 08/20/2013 09:41:08 Type: Cal
Method: Sodium and Potassium 1asx(v79) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895
Units	Cts/S	Cts/S
Avg	**296.**	**2090.**
Stddev	1.	25.
%RSD	.453	1.18

Sample Name: CalibStd-5 Acquired: 08/20/2013 09:42:06 Type: Cal
Method: Sodium and Potassium 1asx(v79) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Na5895
Units	Cts/S
Avg	10100.
Stddev	108.
%RSD	1.08

Sample Name: CalibStd-10 Acquired: 08/20/2013 09:43:03 Type: Cal
Method: Sodium and Potassium 1asx(v79) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na3302	Na5895
Units	Cts/S	Cts/S	Cts/S
Avg	**2850.**	**18.1**	**19800.**
Stddev	25.	1.3	120.
%RSD	.879	7.44	.606

Sample Name: CalibStd-50 Acquired: 08/20/2013 09:44:02 Type: Cal
Method: Sodium and Potassium 1asx(v79) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Na5895
Units	Cts/S
Avg	91800.
Stddev	393.
%RSD	.428

Sample Name: CalibStd-100 Acquired: 08/20/2013 09:45:00 Type: Cal
Method: Sodium and Potassium 1asx(v79) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na3302
Units	Cts/S	Cts/S
Avg	**27200.**	**167.**
Stddev	276.	1.
%RSD	1.01	.433

Sample Name: CalibStd-200 Acquired: 08/20/2013 09:45:57 Type: Cal
Method: Sodium and Potassium 1asx(v79) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na3302
Units	Cts/S	Cts/S
Avg	**52800.**	**321.**
Stddev	372.	3.
%RSD	.704	.949

Sample Name: CalibStd-500 Acquired: 08/20/2013 09:47:03 Type: Cal
Method: Sodium and Potassium 1asx(v79) Mode: IR Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	Al3082	Mg2852	Ca3179	Fe2343
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2.6	19.8	2.39	2.45
Stddev	.0	.2	.01	.00
%RSD	.82	.962	.487	.105

Int. Std.	Y_3203
Units	Cts/S
Avg	7302.7
Stddev	33.3
%RSD	.45572

Sample Name: icv Acquired: 08/20/2013 09:48:17 Type: QC
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na3302	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**101.**	**101.**	**-.16**	**.068**	**-.092**	**.166**
Stddev	1.	1.	.01	.006	.016	.048
%RSD	.524	.954	5.5	9.34	17.7	29.1
#1	101.	99.7	-.16	.075	-.077	.218
#2	100.	102.	-.17	.062	-.090	.159
#3	101.	101.	-.16	.068	-.109	.122
Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Y_3203
Units	Cts/S
Avg	**8070.9**
Stddev	33.7
%RSD	.41808
#1	8038.7
#2	8106.0
#3	8068.0

Sample Name: icvLL Acquired: 08/20/2013 09:49:15 Type: QC
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**3.15**	**3.23**	**.91**	**1.94**	**1.45**	**1.03**
Stddev	.06	.06	.04	.02	.02	.02
%RSD	1.91	1.91	4.7	1.18	1.17	1.93
#1	3.16	3.25	.88	1.94	1.43	1.05
#2	3.20	3.28	.96	1.96	1.46	1.02
#3	3.08	3.16	.90	1.91	1.45	1.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_3203
Units	Cts/S
Avg	**8256.0**
Stddev	92.8
%RSD	1.1242
#1	8221.6
#2	8185.2
#3	8361.1

Sample Name: icb Acquired: 08/20/2013 09:50:12 Type: QC

Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000

User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1

Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**.018**	**.030**	**-.21**	**.034**	**-.181**	**.051**
Stddev	.003	.001	.02	.003	.023	.040
%RSD	17.8	2.40	8.2	7.63	12.5	79.9
#1	.018	.031	-.20	.035	-.201	.097
#2	.015	.029	-.21	.036	-.157	.028
#3	.021	.030	-.23	.031	-.187	.026
Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Y_3203
Units	Cts/S
Avg	**8371.1**
Stddev	39.4
%RSD	.47110
#1	8341.4
#2	8356.0
#3	8415.8

Sample Name: mrl Acquired: 08/20/2013 09:51:11 Type: QC
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**1.12**	**1.10**	**.17**	**.689**	**.390**	**.388**
Stddev	.01	.01	.01	.010	.039	.044
%RSD	1.06	1.04	6.2	1.41	10.1	11.4
#1	1.11	1.10	.17	.681	.373	.349
#2	1.11	1.10	.16	.685	.435	.379
#3	1.13	1.12	.18	.700	.361	.436
Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Y_3203
Units	Cts/S
Avg	**8390.4**
Stddev	31.6
%RSD	.37613
#1	8424.1
#2	8385.7
#3	8361.5

Sample Name: icsa Acquired: 08/20/2013 09:52:08 Type: QC
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na3302	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**.000**	**.402**	**.000**	**490.**	**498.**	**577.**	**496.**
Stddev	.02	.880	.00	8.	7.	4.	2.
%RSD	167000.	219.	16e15	1.6	1.41	.648	.350
#1	.021	1.35	.003	500.	504.	572.	496.
#2	-.021	-.392	-.003	490.	500.	578.	498.
#3	.000	.249	.000	480.	491.	579.	494.
Check ?	Chk Pass	None	Chk Pass	None	None	None	None
High Limit							
Low Limit							

Int. Std.	Y_3203
Units	Cts/S
Avg	**7468.1**
Stddev	130.9
%RSD	1.7527
#1	7352.9
#2	7441.0
#3	7610.4

Sample Name: icsab Acquired: 08/20/2013 09:53:21 Type: QC
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na3302	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**98.7**	**91.9**	**490.**	**487.**	**577.**	**575.**
Stddev	1.2	1.4	5.	4.	2.	.
%RSD	1.22	1.46	.96	.735	.291	.027
#1	99.9	91.9	490.	490.	575.	576.
#2	97.5	93.3	480.	483.	579.	575.
#3	98.8	90.6	490.	488.	577.	575.
Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Y_3203
Units	Cts/S
Avg	**7504.5**
Stddev	73.3
%RSD	.97739
#1	7421.5
#2	7560.6
#3	7531.5

Sample Name: ccv Acquired: 08/20/2013 10:52:37 Type: QC
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na3302	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**105.**	**103.**	**-.24**	**.028**	**-.371**	**.048**
Stddev	2.	1.	.01	.005	.021	.011
%RSD	2.15	1.27	2.7	16.8	5.57	22.2
#1	107.	101.	-.24	.029	-.377	.058
#2	106.	104.	-.24	.033	-.348	.037
#3	103.	103.	-.23	.023	-.388	.050
Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Y_3203
Units	Cts/S
Avg	**8826.7**
Stddev	126.6
%RSD	1.4347
#1	8742.3
#2	8765.5
#3	8972.3

Sample Name: ccb Acquired: 08/20/2013 10:53:34 Type: QC
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**.042**	**.055**	**-.27**	**.001**	**-.397**	**.000**
Stddev	.013	.001	.01	.002	.013	.01
%RSD	30.3	2.38	4.9	243.	3.16	9610.
#1	.030	.054	-.28	.002	-.410	-.008
#2	.039	.056	-.26	-.002	-.398	-.008
#3	.055	.054	-.26	.002	-.384	.016
Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Y_3203
Units	Cts/S
Avg	**9014.6**
Stddev	11.2
%RSD	.12469
#1	9004.6
#2	9026.8
#3	9012.6

Sample Name: lcss44510 Acquired: 08/20/2013 10:59:08 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na3302	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**105.**	**91.0**	**6.7**	**104.**	**200.**	**3.94**
Stddev	1.	1.8	.1	1.	3.	.07
%RSD	.710	1.94	1.1	.973	1.72	1.79

Int. Std.	Y_3203
Units	Cts/S
Avg	**7648.1**
Stddev	185.1
%RSD	2.4204

Sample Name: mbs44510 Acquired: 08/20/2013 11:00:11 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	.094	.061	-.23	.032	-.308	.059
Stddev	.005	.002	.01	.002	.024	.016
%RSD	5.65	3.79	5.3	6.23	7.85	27.2

Int. Std.	Y_3203
Units	Cts/S
Avg	8618.1
Stddev	128.8
%RSD	1.4939

Sample Name: 337811 Acquired: 08/20/2013 11:01:10 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**45.1**	**1.85**	**430.**	**268.**	**1080.**	**1000.**
Stddev	.4	.02	1.	.	12.	5.9
%RSD	.831	.864	.19	.109	1.14	.586

Int. Std.	Y_3203
Units	Cts/S
Avg	**7616.7**
Stddev	73.2
%RSD	.96042

Sample Name: 337812 Acquired: 08/20/2013 11:02:13 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**57.2**	**2.74**	**440.**	**326.**	**1420.**	**1040.**
Stddev	.7	.03	1.	2.	9.	7.
%RSD	1.23	1.21	.21	.459	.629	.656

Int. Std.	Y_3203
Units	Cts/S
Avg	**7653.0**
Stddev	59.3
%RSD	.77461

Sample Name: 337813 Acquired: 08/20/2013 11:03:15 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	60.5	2.53	430.	331.	1390.	998.
Stddev	.0	.00	3.	2.	16.	8.
%RSD	.061	.079	.68	.684	1.12	.785

Int. Std.	Y_3203
Units	Cts/S
Avg	7595.8
Stddev	76.3
%RSD	1.0049

Sample Name: 337815 Acquired: 08/20/2013 11:04:18 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**65.5**	**2.64**	**450.**	**360.**	**1570.**	**1050.**
Stddev	.8	.03	7.	5.	10.	8.
%RSD	1.16	.954	1.5	1.38	.611	.732

Int. Std.	Y_3203
Units	Cts/S
Avg	**7560.7**
Stddev	103.6
%RSD	1.3700

Sample Name: ccv Acquired: 08/20/2013 11:05:21 Type: QC
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na3302	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**105.**	**105.**	**-.24**	**.045**	**-.348**	**.175**
Stddev	1.	1.	.02	.002	.014	.045
%RSD	.908	.790	6.7	3.36	4.07	26.0
#1	105.	104.	-.23	.046	-.332	.226
#2	106.	105.	-.23	.046	-.350	.160
#3	104.	106.	-.26	.044	-.360	.138
Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Y_3203
Units	Cts/S
Avg	**8934.2**
Stddev	48.7
%RSD	.54508
#1	8934.2
#2	8885.6
#3	8982.9

Sample Name: ccb Acquired: 08/20/2013 11:06:18 Type: QC
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**.057**	**.065**	**-.29**	**.004**	**-.434**	**.015**
Stddev	.019	.003	.02	.001	.012	.005
%RSD	33.2	4.76	8.4	18.6	2.69	32.1
#1	.078	.068	-.27	.003	-.422	.013
#2	.040	.066	-.28	.003	-.446	.021
#3	.054	.062	-.31	.004	-.434	.012
Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Y_3203
Units	Cts/S
Avg	**8904.2**
Stddev	63.4
%RSD	.71152
#1	8831.2
#2	8944.9
#3	8936.4

Sample Name: I337815 Acquired: 08/20/2013 11:07:17 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**13.8**	**.584**	**86.**	**80.8**	**320.**	**238.**
Stddev	.2	.003	1.	.4	1.	1.
%RSD	1.16	.585	.71	.519	.368	.359

Int. Std.	Y_3203
Units	Cts/S
Avg	**8427.2**
Stddev	35.5
%RSD	.42173

Sample Name: dup337815 Acquired: 08/20/2013 11:08:21 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	64.8	2.64	450.	364.	1570.	1050.
Stddev	.9	.04	3.	2.	11.	7.
%RSD	1.41	1.50	.62	.528	.703	.713

Int. Std.	Y_3203
Units	Cts/S
Avg	7347.7
Stddev	103.8
%RSD	1.4129

Sample Name: mss337815 Acquired: 08/20/2013 11:09:23 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na3302	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	155.	87.7	460.	428.	1780.	1030.
Stddev	3.	1.9	7.	7.	15.	10.
%RSD	1.67	2.17	1.6	1.57	.856	.955

Int. Std.	Y_3203
Units	Cts/S
Avg	7528.3
Stddev	120.1
%RSD	1.5951

Sample Name: msds337815 Acquired: 08/20/2013 11:10:26 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na3302	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**156.**	**90.7**	**450.**	**425.**	**1720.**	**999.**
Stddev	2.	1.3	3.	2.	8.	4.
%RSD	1.49	1.42	.59	.491	.482	.373

Int. Std.	Y_3203
Units	Cts/S
Avg	**7425.1**
Stddev	61.4
%RSD	.82727

Sample Name: pdss337815 Acquired: 08/20/2013 11:11:29 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na3302	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**170.**	**94.4**	**440.**	**356.**	**1560.**	**1040.**
Stddev	1.	1.1	3.	2.	4.	1.
%RSD	.422	1.11	.76	.526	.280	.126

Int. Std.	Y_3203
Units	Cts/S
Avg	**7436.3**
Stddev	73.4
%RSD	.98702

Sample Name: 337818 Acquired: 08/20/2013 11:12:32 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**50.3**	**2.13**	**430.**	**295.**	**1240.**	**1010.**
Stddev	.3	.01	3.	2.	9.	4.
%RSD	.571	.554	.73	.678	.683	.366

Int. Std.	Y_3203
Units	Cts/S
Avg	**7587.4**
Stddev	80.5
%RSD	1.0607

Sample Name: 337820 Acquired: 08/20/2013 11:13:34 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**50.5**	**2.17**	**430.**	**291.**	**1210.**	**1010.**
Stddev	.4	.02	7.	5.	2.	7.
%RSD	.759	.964	1.7	1.63	.203	.742

Int. Std.	Y_3203
Units	Cts/S
Avg	**7691.8**
Stddev	135.4
%RSD	1.7601

Sample Name: 337822 Acquired: 08/20/2013 11:14:37 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**63.0**	**2.84**	**460.**	**358.**	**1640.**	**1020.**
Stddev	1.0	.05	4.	2.	14.	4.
%RSD	1.52	1.64	.96	.644	.874	.418

Int. Std.	Y_3203
Units	Cts/S
Avg	**7482.8**
Stddev	50.2
%RSD	.67100

Sample Name: 337824 Acquired: 08/20/2013 11:15:40 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**59.3**	**2.88**	**430.**	**332.**	**1390.**	**986.**
Stddev	.3	.01	7.	6.	11.	11.
%RSD	.497	.393	1.7	1.68	.814	1.14

Int. Std.	Y_3203
Units	Cts/S
Avg	**7647.1**
Stddev	122.5
%RSD	1.6020

Sample Name: 337826 Acquired: 08/20/2013 11:16:43 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**62.8**	**3.63**	**450.**	**352.**	**1670.**	**1050.**
Stddev	1.4	.08	6.	4.	17.	5.
%RSD	2.24	2.20	1.3	1.19	.986	.518

Int. Std.	Y_3203
Units	Cts/S
Avg	**7494.8**
Stddev	56.8
%RSD	.75803

Sample Name: ccv Acquired: 08/20/2013 11:17:45 Type: QC
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na3302	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**103.**	**103.**	**-.28**	**.046**	**-.360**	**.175**
Stddev	1.	2.	.00	.006	.019	.021
%RSD	.825	1.53	.85	13.9	5.20	11.8
#1	104.	105.	-.28	.053	-.382	.197
#2	104.	102.	-.28	.044	-.347	.172
#3	103.	103.	-.28	.041	-.352	.156
Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Y_3203
Units	Cts/S
Avg	**8809.1**
Stddev	26.3
%RSD	.29871
#1	8831.5
#2	8780.1
#3	8815.8

Sample Name: ccb Acquired: 08/20/2013 11:18:42 Type: QC
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**.022**	**.017**	**-.31**	**-.002**	**-.526**	**-.005**
Stddev	.011	.001	.00	.005	.059	.017
%RSD	49.5	3.52	.69	231.	11.1	362.
#1	.028	.017	-.31	.002	-.540	-.003
#2	.010	.016	-.31	-.001	-.577	-.022
#3	.029	.016	-.30	-.008	-.462	.011
Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Y_3203
Units	Cts/S
Avg	**9007.6**
Stddev	51.3
%RSD	.56973
#1	9036.0
#2	9038.4
#3	8948.3

Sample Name: 337828 Acquired: 08/20/2013 11:19:41 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**58.4**	**3.36**	**440.**	**337.**	**1530.**	**1010.**
Stddev	.6	.03	5.	4.	8.	2.
%RSD	.998	1.02	1.1	1.11	.528	.234

Int. Std.	Y_3203
Units	Cts/S
Avg	**7418.5**
Stddev	125.1
%RSD	1.6860

Sample Name: 337830 Acquired: 08/20/2013 11:20:44 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	59.2	3.85	450.	345.	1460.	1040.
Stddev	.4	.02	2.	2.	7.	2.
%RSD	.641	.530	.54	.654	.490	.195

Int. Std.	Y_3203
Units	Cts/S
Avg	7462.8
Stddev	61.2
%RSD	.82045

Sample Name: 337832 Acquired: 08/20/2013 11:21:47 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**62.1**	**3.11**	**430.**	**339.**	**1440.**	**973.**
Stddev	.5	.03	5.	5.	11.	9.
%RSD	.883	1.05	1.1	1.57	.757	.915

Int. Std.	Y_3203
Units	Cts/S
Avg	**7451.1**
Stddev	128.3
%RSD	1.7216

Sample Name: 337835 Acquired: 08/20/2013 11:22:50 Type: Unk
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**65.1**	**3.41**	**460.**	**359.**	**1640.**	**1030.**
Stddev	.2	.01	3.	2.	13.	3.
%RSD	.359	.336	.62	.504	.794	.324

Int. Std.	Y_3203
Units	Cts/S
Avg	**7450.7**
Stddev	66.8
%RSD	.89691

Sample Name: ccv Acquired: 08/20/2013 11:30:05 Type: QC
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na3302	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**103.**	**104.**	**-.25**	**.044**	**-.478**	**.175**
Stddev	1.	2.	.02	.004	.024	.067
%RSD	1.39	2.11	6.9	10.0	5.07	38.1
#1	104.	105.	-.24	.049	-.452	.251
#2	104.	105.	-.28	.042	-.483	.145
#3	102.	101.	-.25	.040	-.500	.128
Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Y_3203
Units	Cts/S
Avg	**8821.8**
Stddev	73.8
%RSD	.83610
#1	8760.2
#2	8801.7
#3	8903.6

Sample Name: ccb Acquired: 08/20/2013 11:31:03 Type: QC
Method: Sodium and Potassium 1asx(v79) Mode: CONC Corr. Factor: 1.000000
User: NAH ICAP6000: Prep Batch: Post Digestion dilution: 1
Comment:

Elem	K_7664	Na5895	Al3082	Mg2852	Ca3179	Fe2343
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avg	**.024**	**.020**	**-.28**	**-.005**	**-.529**	**-.039**
Stddev	.013	.004	.02	.004	.050	.067
%RSD	53.7	20.5	5.8	81.2	9.50	173.
#1	.032	.024	-.27	-.008	-.492	-.078
#2	.009	.016	-.27	-.006	-.508	.039
#3	.030	.019	-.30	.000	-.586	-.077
Check ?	None	None	None	None	None	None
Value						
Range						

Int. Std.	Y_3203
Units	Cts/S
Avg	**8856.1**
Stddev	37.9
%RSD	.42797
#1	8830.9
#2	8899.7
#3	8837.7

CETAC Hg Analysis Report - 13082200.DB - 08/22/2013, 11:00:45

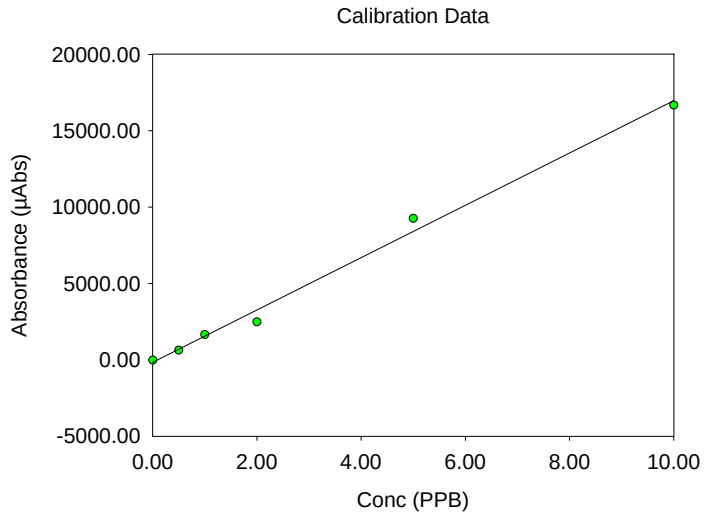
Analyst
Date Started 08/22/2013, 07:31:22
Worksheet 7471 Soil (10ppb as high std)
Comment

* All concentrations are dilution corrected.

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
Std Tube 5	22-Aug-2013, 07:31	10.00	2.93	16900.00	16246	16870	17198	17374	

Information about this calibration could not be retrieved from the Master File.

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
Calibration Zero	22-Aug-2013, 07:33	0.00	122.00	-7.30	4	-6	-17	-10	
Standard #1	22-Aug-2013, 07:34	0.50	1.99	638.00	624	637	636	654	
Standard #2	22-Aug-2013, 07:36	1.00	2.89	1660.00	1598	1651	1692	1704	
Standard #3	22-Aug-2013, 07:38	2.00	2.78	2490.00	2393	2498	2531	2548	
Standard #4	22-Aug-2013, 07:40	5.00	2.85	9270.00	8903	9263	9417	9500	
Standard #5	22-Aug-2013, 07:42	10.00	2.98	16700.00	15996	16656	16973	17111	



Int.	-157.553
Slope	1712.642
Correlation	0.99660

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
ICV	22-Aug-2013, 07:45	2.87	2.76	4750.00	4562	4749	4832	4863	

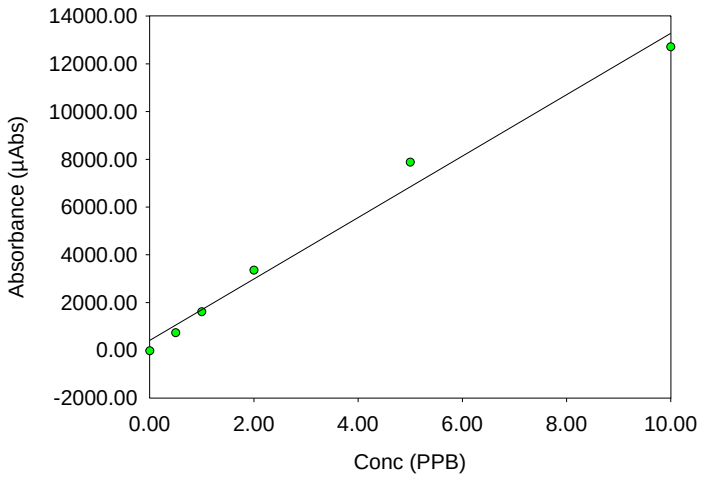
CETAC Hg Analysis Report - 13082200.DB - 08/22/2013, 11:00:47

Analyst
Date Started 08/22/2013, 07:49:10
Worksheet 7471 Soil (10ppb as high std)
Comment

* All concentrations are dilution corrected.

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
Calibration Zero	22-Aug-2013, 07:49	0.00	49.70	-18.10	-17	-8	-18	-30	
Standard #1	22-Aug-2013, 07:51	0.50	19.50	735.00	582	647	841	872	
Standard #2	22-Aug-2013, 07:52	1.00	11.70	1620.00	1338	1669	1730	1739	
Standard #3	22-Aug-2013, 07:54	2.00	2.93	3360.00	3219	3364	3413	3440	
Standard #4	22-Aug-2013, 07:56	5.00	18.20	7880.00	6546	6815	8666	9506	
Standard #5	22-Aug-2013, 07:58	10.00	2.95	12700.00	12186	12722	12922	13030	

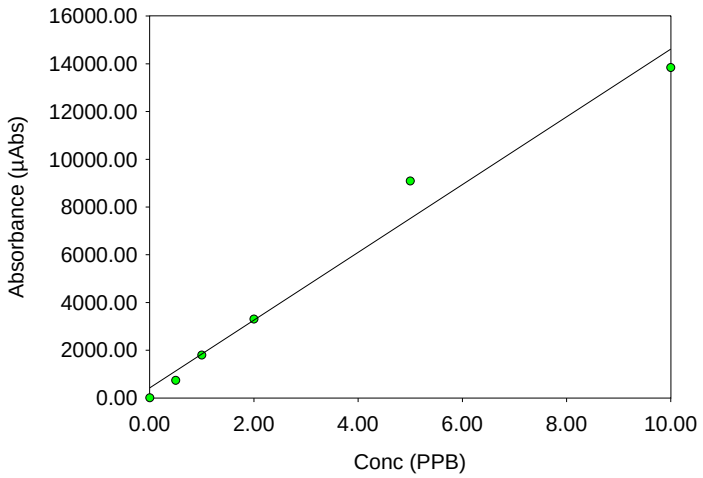
Calibration Data



Int.	414.826
Slope	1286.746
Correlation	0.99254

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
Calibration Zero	22-Aug-2013, 08:05	0.00	30.10	8.35	9	7	11	6	
Standard #1	22-Aug-2013, 08:07	0.50	13.90	743.00	661	702	715	895	
Standard #2	22-Aug-2013, 08:09	1.00	4.28	1800.00	1693	1790	1846	1865	
Standard #3	22-Aug-2013, 08:10	2.00	14.90	3310.00	2575	3447	3578	3629	
Standard #4	22-Aug-2013, 08:12	5.00	3.64	9090.00	8635	9075	9290	9373	
Standard #5	22-Aug-2013, 08:14	10.00	4.49	13800.00	13009	13737	14222	14399	

Calibration Data



Int.	423.080
Slope	1419.138
Correlation	0.98866

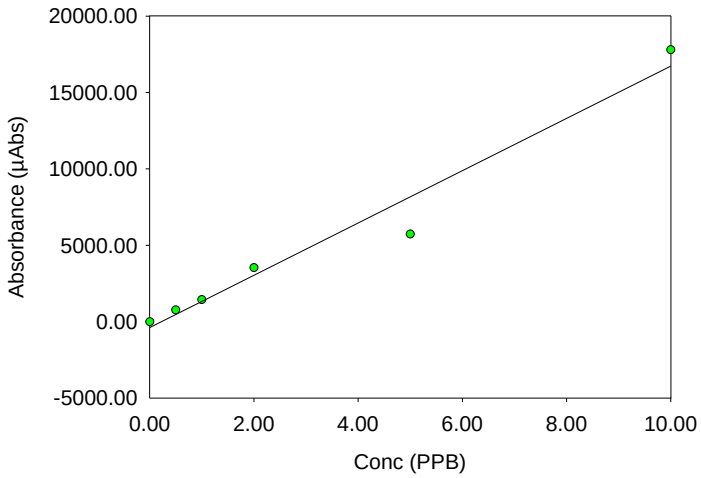
CETAC Hg Analysis Report - 13082200.DB - 08/22/2013, 11:00:48

Analyst
Date Started 08/22/2013, 08:17:01
Worksheet 7471 Soil (10ppb as high std)
Comment

* All concentrations are dilution corrected.

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
Calibration Zero	22-Aug-2013, 08:17	0.00	200.00	4.82	15	10	-2	-5	
Standard #1	22-Aug-2013, 08:18	0.50	7.92	781.00	726	750	778	868	
Standard #2	22-Aug-2013, 08:20	1.00	4.63	1450.00	1358	1438	1486	1510	
Standard #3	22-Aug-2013, 08:22	2.00	3.84	3540.00	3352	3537	3603	3667	
Standard #4	22-Aug-2013, 08:24	5.00	2.69	5740.00	5539	5725	5804	5904	
Standard #5	22-Aug-2013, 08:26	10.00	4.11	17800.00	16790	17794	18204	18454	

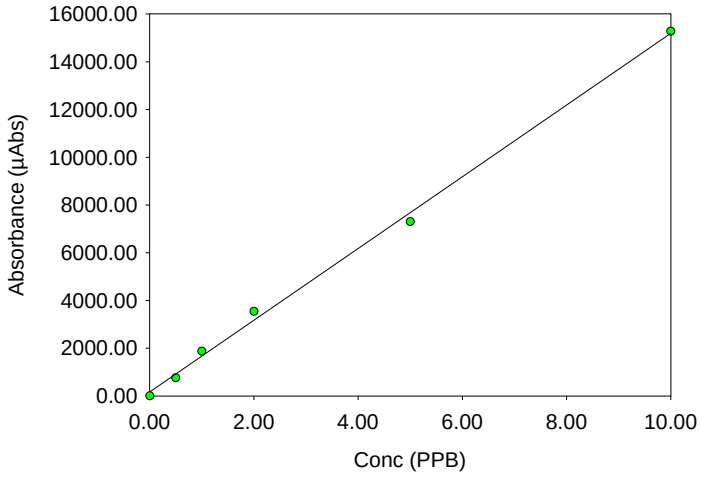
Calibration Data



Int.	-390.104
Slope	1711.747
Correlation	0.98278

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
Calibration Zero	22-Aug-2013, 08:29	0.00	67.90	12.30	19	20	3	8	
Standard #1	22-Aug-2013, 08:31	0.50	2.41	765.00	740	766	771	784	
Standard #2	22-Aug-2013, 08:33	1.00	4.02	1880.00	1779	1879	1908	1958	
Standard #3	22-Aug-2013, 08:35	2.00	4.13	3550.00	3346	3538	3627	3680	
Standard #4	22-Aug-2013, 08:37	5.00	18.20	7310.00	6012	6362	8128	8738	
Standard #5	22-Aug-2013, 08:39	10.00	7.90	15300.00	13838	15139	15394	16784	

Calibration Data



Int.	168.772
Slope	1502.286
Correlation	0.99885

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
ICV	22-Aug-2013, 08:41	3.07	3.74	4780.00	4547	4750	4868	4942	
ICV	22-Aug-2013, 08:46	3.09	4.51	4810.00	4532	4772	4936	5002	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
ICB	22-Aug-2013, 08:48	-0.08	0.99	42.50	42	44	43	41	

Analyst
Date Started 08/22/2013, 08:50:01
Worksheet 7471 Soil (10ppb as high std)
Comment

* All concentrations are dilution corrected.

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
mdl chk	22-Aug-2013, 08:50	0.76	9.12	1310.00	1157	1330	1364	1385	
MRL	22-Aug-2013, 08:51	0.22	6.94	503.00	473	499	516	526	
337843 LCSS45457	22-Aug-2013, 08:53	2.40	4.03	3770.00	3569	3760	3848	3899	
337842 MBS45457	22-Aug-2013, 08:55	-0.10	3.41	19.80	24	24	17	14	
337811	22-Aug-2013, 08:57	0.75	4.19	1290.00	1227	1280	1319	1331	
337812	22-Aug-2013, 08:59	0.22	9.15	506.00	462	508	522	532	
337813	22-Aug-2013, 09:01	0.20	8.88	471.00	434	470	487	494	
337815	22-Aug-2013, 09:02	0.16	7.47	406.00	382	405	418	420	
L337815	22-Aug-2013, 09:04	-0.04	11.20	102.00	102	91	109	104	
DUP337815	22-Aug-2013, 09:06	0.16	5.96	413.00	395	409	421	428	
MSS337815	22-Aug-2013, 09:08	2.53	3.27	3970.00	3795	4008	4015	4081	
MSDS337815	22-Aug-2013, 09:10	2.45	3.72	3840.00	3647	3856	3912	3955	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV	22-Aug-2013, 09:12	2.55	9.76	4000.00	3544	3887	4174	4411	Q

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB	22-Aug-2013, 09:14	-0.10	3.99	18.80	18	27	17	13	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
PDSS337815	22-Aug-2013, 09:16	2.53	4.01	3970.00	3758	3961	4072	4088	
337818	22-Aug-2013, 09:18	0.29	6.55	607.00	567	609	621	632	
337820	22-Aug-2013, 09:19	0.27	7.47	582.00	539	579	598	610	
337822	22-Aug-2013, 09:21	0.22	7.49	495.00	464	491	505	522	
337824	22-Aug-2013, 09:23	0.22	8.23	492.00	457	487	504	519	
337826	22-Aug-2013, 09:25	0.16	8.38	412.00	382	414	424	427	
337828	22-Aug-2013, 09:27	0.14	7.79	381.00	357	385	386	395	
337830	22-Aug-2013, 09:29	0.14	6.55	376.00	356	379	384	385	
337832	22-Aug-2013, 09:30	0.16	5.95	410.00	390	412	417	423	
337834	22-Aug-2013, 09:32	0.17	8.01	423.00	396	421	434	442	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV	22-Aug-2013, 09:34	3.28	4.71	5100.00	4780	5074	5223	5307	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB	22-Aug-2013, 09:36	-0.09	2.65	27.80	31	31	23	27	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
339884 LCSS45522	22-Aug-2013, 09:38	1.89	8.92	3010.00	2681	2970	3133	3271	
339883 MBS45522	22-Aug-2013, 09:40	-0.09	4.52	27.10	24	32	33	19	
338369	22-Aug-2013, 09:42	0.50	6.05	926.00	865	922	947	972	
L338369	22-Aug-2013, 09:44	0.02	48.80	192.00	179	187	202	202	
DUP338369	22-Aug-2013, 09:46	0.45	5.45	843.00	793	838	863	877	
MSS338369	22-Aug-2013, 09:47	2.38	20.90	3750.00	2706	3697	4259	4324	
MSDS338369	22-Aug-2013, 09:49	2.59	8.77	4060.00	3586	4069	4220	4375	
PDSS338369	22-Aug-2013, 09:51	2.60	7.86	4080.00	3652	4075	4248	4348	
338375	22-Aug-2013, 09:53	0.21	6.07	483.00	456	484	496	496	
339876 LCSS45521	22-Aug-2013, 09:55	2.30	5.01	3620.00	3379	3611	3708	3775	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV	22-Aug-2013, 09:57	3.11	5.82	4840.00	4494	4775	4975	5122	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB	22-Aug-2013, 09:59	-0.09	3.03	29.40	34	32	26	26	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
339875 MBS45521	22-Aug-2013, 10:01	-0.10	3.11	20.70	24	16	18	25	
338447	22-Aug-2013, 10:02	0.02	16.20	205.00	198	204	209	211	
MSS338447	22-Aug-2013, 10:04	2.56	4.55	4020.00	3787	3991	4116	4187	
MSDS338447	22-Aug-2013, 10:06	2.24	4.64	3540.00	3324	3523	3622	3680	
PDSS338447	22-Aug-2013, 10:08	2.24	4.85	3540.00	3318	3518	3633	3688	
339622	22-Aug-2013, 10:10	Sat'd.	0.00	55700.00	55667	55667	55667	55667	SO
MSS339622	22-Aug-2013, 10:13	Sat'd.	0.00	55500.00	55546	55546	55546	55546	SO

Analyst
Date Started 08/22/2013, 10:16:21
Worksheet 7471 Soil (10ppb as high std)
Comment

* All concentrations are dilution corrected.

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
MSDS339622	22-Aug-2013, 10:16	Sat'd.	0.00	55600.00	55574	55574	55574	55574	SO
PDSS339622	22-Aug-2013, 10:19	Sat'd.	0.00	55600.00	55609	55609	55609	55609	SO
339623	22-Aug-2013, 10:22	19.50	4.35	29400.00	27690	29334	30156	30569	O

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV	22-Aug-2013, 10:24	3.11	6.21	4840.00	4446	4814	5022	5091	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB	22-Aug-2013, 10:26	-0.09	2.62	28.20	25	31	32	25	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
339624	22-Aug-2013, 10:28	10.50	4.21	16000.00	15021	15938	16329	16515	O
339625	22-Aug-2013, 10:30	7.53	4.20	11500.00	10812	11477	11716	11899	
339626	22-Aug-2013, 10:32	6.29	5.48	9610.00	8888	9603	9915	10045	
339627	22-Aug-2013, 10:33	4.06	4.96	6270.00	5852	6243	6435	6540	
mdl chk	22-Aug-2013, 10:35	0.21	11.70	486.00	434	484	504	520	
MRL	22-Aug-2013, 10:37	0.20	14.20	471.00	418	458	493	516	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV	22-Aug-2013, 10:39	3.10	5.66	4830.00	4461	4809	4973	5057	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB	22-Aug-2013, 10:41	-0.10	2.25	17.50	20	15	21	14	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
339622X10	22-Aug-2013, 10:45	7.86	4.37	12000.00	11243	11997	12345	12327	
MSS339622X10	22-Aug-2013, 10:47	7.90	7.09	12000.00	10803	12203	12487	12645	
MSDS339622X10	22-Aug-2013, 10:48	8.36	5.75	12700.00	11732	12674	13140	13359	
PDSS339622X10	22-Aug-2013, 10:50	8.48	4.43	12900.00	12110	12902	13230	13370	
339623X10	22-Aug-2013, 10:52	2.28	4.86	3590.00	3355	3592	3687	3725	
339624X10	22-Aug-2013, 10:54	0.89	25.30	1510.00	1246	1341	1459	2004	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV	22-Aug-2013, 10:56	3.16	4.64	4920.00	4628	4874	5047	5125	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB	22-Aug-2013, 10:58	-0.09	0.69	27.80	28	27	28	29	

METALS
LOGBOOK
DOCUMENTS

MICP SOIL QSM Analytical Run # 96872 on 08/22/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)		CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
	341845							MICP SOIL QSM				
				ICV					0			
	341846							MICP SOIL QSM				
				ICV					0			
	341847							MICP SOIL QSM				
				ICB					0			
	341848							MICP SOIL QSM				
				MRL					0			
	341849							MICP SOIL QSM				
				ICSA					0			
	341850							MICP SOIL QSM				
				ICSAB					0			
	339760							ICP QSM				
				LCSS					45510			
	339759							ICP QSM				
				MBS					45510			
99211	337811		08/12/2013 1512			ECC	RVAAP	ICP QSM		S		**4**
RERUN		083SB-0001M-0001-SO							45510			
99211	337812		08/12/2013 1516			ECC	RVAAP	ICP QSM		S		**4**
RERUN		083SB-0002M-0001-SO							45510			
RERUN		083SB-0002M-0001-SO							45510			
99211	337813		08/12/2013 1141			ECC	RVAAP	ICP QSM		S		**4**
RERUN		083SB-0003M-0001-SO							45510			
99211	337815		08/12/2013 1215			ECC	RVAAP	ICP QSM		S		**4**
RERUN		083SB-0004M-0001-SO		Designated MS/MSD					45510			
	341264							ICP QSM				
RERUN				L	337815				0			
	339761		08/12/2013 1215					ICP QSM				
RERUN		083SB-0004M-0001-SO		DUP	337815				45510			
	339762		08/12/2013 1215					ICP QSM				
RERUN		083SB-0004M-0001-SO		MSS	337815				45510			
	341852							MICP SOIL QSM				
				CCV1					0			
	341853							MICP SOIL QSM				
				CCV2					0			
	341854							MICP SOIL QSM				
				CCB					0			
	342228		08/12/2013 1215					ICP QSM				
RERUN		083SB-0004M-0001-SO		MSDS	339762				45510			

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

Distribution: C:\LIMSREPS\ANALYTICALRUN.RPT

MICP SOIL QSM Analytical Run # 96872 on 08/22/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME		QC TYPE (Parent Sample)		CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
	341268								ICP QSM				
RERUN					PDSS	337815				0			
99211	337818		08/12/2013	1245			ECC	RVAAP	ICP QSM		S	4	
RERUN		083SB-0005M-0001-SO								45510			
99211	337820		08/12/2013	1245			ECC	RVAAP	ICP QSM		S	4	
RERUN		083SB-0006M-0001-SO								45510			
99211	337822		08/12/2013	1315			ECC	RVAAP	ICP QSM		S	4	
RERUN		083SB-0008M-0001-SO								45510			
99211	337824		08/12/2013	1415			ECC	RVAAP	ICP QSM		S	4	
RERUN		083SB-0009M-0001-SO								45510			
99211	337826		08/12/2013	1440			ECC	RVAAP	ICP QSM		S	4	
RERUN		083SB-0011M-0001-SO								45510			
99211	337828		08/12/2013	1455			ECC	RVAAP	ICP QSM		S	4	
RERUN		083SB-0012M-0001-SO								45510			
99211	337830		08/12/2013	1510			ECC	RVAAP	ICP QSM		S	4	
RERUN		083SB-0013M-0001-SO								45510			
99211	337832		08/12/2013	1415			ECC	RVAAP	ICP QSM		S	4	
RERUN		083SB-0014-0001-SO								45510			
	341856								MICP SOIL QSM				
					CCV1					0			
	341857								MICP SOIL QSM				
					CCV2					0			
	341858								MICP SOIL QSM				
					CCB					0			
99211	337834		08/12/2013	1514			ECC	RVAAP	ICP QSM		S	4	
RERUN		083SB-0015M-0001-SO								45510			
	341859								MICP SOIL QSM				
					CCV1					0			
	341860								MICP SOIL QSM				
					CCV2					0			
	341861								MICP SOIL QSM				
					CCB					0			
	341945								MICP SOIL QSM				
					MRL								
	341252								MICP SOIL QSM				
					ICV					0			
	341253								MICP SOIL QSM				
					ICV					0			

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

MICP SOIL QSM Analytical Run # 96872 on 08/22/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
	341254						MICP SOIL QSM				
				ICB				0			
	341255						MICP SOIL QSM				
				MRL				0			
	341256						MICP SOIL QSM				
				ICSA				0			
	341257						MICP SOIL QSM				
				ICSAB				0			
	341261						MICP SOIL QSM				
				CCV1				0			
	341262						MICP SOIL QSM				
				CCV2				0			
	341263						MICP SOIL QSM				
				CCB				0			
99211	337811		08/12/2013 1512		ECC	RVAAP	ICP QSM		S		**4**
		083SB-0001M-0001-SO						45510			
RERUN		083SB-0001M-0001-SO						45510			
RERUN		083SB-0001M-0001-SO						45510			
99211	337812		08/12/2013 1516		ECC	RVAAP	ICP QSM		S		**4**
		083SB-0002M-0001-SO						45510			
RERUN		083SB-0002M-0001-SO						45510			
99211	337813		08/12/2013 1141		ECC	RVAAP	ICP QSM		S		**4**
		083SB-0003M-0001-SO						45510			
RERUN		083SB-0003M-0001-SO						45510			
RERUN		083SB-0003M-0001-SO						45510			
99211	337815		08/12/2013 1215		ECC	RVAAP	ICP QSM		S		**4**
		083SB-0004M-0001-SO		Designated MS/MSD				45510			
RERUN		083SB-0004M-0001-SO		Designated MS/MSD				45510			
RERUN		083SB-0004M-0001-SO		Designated MS/MSD				45510			
	341264						ICP QSM				
				L 337815				0			
RERUN				L 337815				0			
RERUN				L 337815				0			
	341265						MICP SOIL QSM				
				CCV1				0			
	341266						MICP SOIL QSM				
				CCV2				0			
	341267						MICP SOIL QSM				
				CCB				0			

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

MICP SOIL QSM Analytical Run
96872 on 08/22/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)		CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
	339761		08/12/2013 1215					ICP QSM				
RERUN		083SB-0004M-0001-SO		DUP	337815				45510			
		083SB-0004M-0001-SO		DUP	337815				45510			
	339762		08/12/2013 1215					ICP QSM				
		083SB-0004M-0001-SO		MSS	337815				45510			
RERUN		083SB-0004M-0001-SO		MSS	337815				45510			
	342228		08/12/2013 1215					ICP QSM				
		083SB-0004M-0001-SO		MSDS	339762				45510			
	341268							ICP QSM				
				PDSS	337815				0			
RERUN				PDSS	337815				0			
99211	337818		08/12/2013 1245			ECC	RVAAP	ICP QSM		S	**4**	
		083SB-0005M-0001-SO							45510			
RERUN		083SB-0005M-0001-SO							45510			
RERUN		083SB-0005M-0001-SO							45510			
RERUN		083SB-0005M-0001-SO							45510			
99211	337820		08/12/2013 1245			ECC	RVAAP	ICP QSM		S	**4**	
		083SB-0006M-0001-SO							45510			
RERUN		083SB-0006M-0001-SO							45510			
99211	337822		08/12/2013 1315			ECC	RVAAP	ICP QSM		S	**4**	
		083SB-0008M-0001-SO							45510			
RERUN		083SB-0008M-0001-SO							45510			
99211	337824		08/12/2013 1415			ECC	RVAAP	ICP QSM		S	**4**	
		083SB-0009M-0001-SO							45510			
RERUN		083SB-0009M-0001-SO							45510			
99211	337826		08/12/2013 1440			ECC	RVAAP	ICP QSM		S	**4**	
		083SB-0011M-0001-SO							45510			
RERUN		083SB-0011M-0001-SO							45510			
99211	337828		08/12/2013 1455			ECC	RVAAP	ICP QSM		S	**4**	
		083SB-0012M-0001-SO							45510			
RERUN		083SB-0012M-0001-SO							45510			
	341269							MICP SOIL QSM				
				CCV1					0			
	341270							MICP SOIL QSM				
				CCV2					0			
	341271							MICP SOIL QSM				
				CCB					0			
99211	337830		08/12/2013 1510			ECC	RVAAP	ICP QSM		S	**4**	
		083SB-0013M-0001-SO							45510			
RERUN		083SB-0013M-0001-SO							45510			

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

MICP SOIL QSM Analytical Run
96872 on 08/22/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
99211	337832		08/12/2013 1415		ECC	RVAAP	ICP QSM		S	**4**	
		083SB-0014-0001-SO						45510			
RERUN		083SB-0014-0001-SO						45510			
99211	337834		08/12/2013 1514		ECC	RVAAP	ICP QSM		S	**4**	
		083SB-0015M-0001-SO						45510			
RERUN		083SB-0015M-0001-SO						45510			
	341272						MICP SOIL QSM				
				CCV1				0			
	341273						MICP SOIL QSM				
				CCV2				0			
	341274						MICP SOIL QSM				
				CCB				0			
	341281						MICP SOIL QSM				
				MRL				0			

97 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

MICP SOIL QSM Analytical Run # 96873 on 08/22/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
	341384						MICP SOIL QSM				
				ICV				0			
	341386						MICP SOIL QSM				
				ICB				0			
	341387						MICP SOIL QSM				
				MRL				0			
	341388						MICP SOIL QSM				
				ICSA				0			
	341389						MICP SOIL QSM				
				ICSAB				0			
	339760						ICP K QSM				
				LCSS				45510			
	339760						ICP NA QSM				
				LCSS				45510			
	339759						ICP K QSM				
				MBS				45510			
	339759						ICP NA QSM				
				MBS				45510			
99211	337811	083SB-0001M-0001-SO	08/12/2013 1512		ECC	RVAAP	ICP K QSM	45510	S	**4**	
99211	337811	083SB-0001M-0001-SO	08/12/2013 1512		ECC	RVAAP	ICP NA QSM	45510	S	**4**	
99211	337812	083SB-0002M-0001-SO	08/12/2013 1516		ECC	RVAAP	ICP K QSM	45510	S	**4**	
99211	337812	083SB-0002M-0001-SO	08/12/2013 1516		ECC	RVAAP	ICP NA QSM	45510	S	**4**	
99211	337813	083SB-0003M-0001-SO	08/12/2013 1141		ECC	RVAAP	ICP K QSM	45510	S	**4**	
99211	337813	083SB-0003M-0001-SO	08/12/2013 1141		ECC	RVAAP	ICP NA QSM	45510	S	**4**	
99211	337815	083SB-0004M-0001-SO	08/12/2013 1215	Designated MS/MSD	ECC	RVAAP	ICP K QSM	45510	S	**4**	
99211	337815	083SB-0004M-0001-SO	08/12/2013 1215	Designated MS/MSD	ECC	RVAAP	ICP NA QSM	45510	S	**4**	
	341390						MICP SOIL QSM				
				CCV				0			
	341391						MICP SOIL QSM				
				CCB				0			

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

Distribution: C:\LIMSREPS\ANALYTICALRUN.RPT

MICP SOIL QSM Analytical Run # 96873 on 08/22/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)		CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
	341392							ICP K QSM				
				L	337815				0			
	341392							ICP NA QSM				
				L	337815				0			
	339761		08/12/2013 1215					ICP K QSM				
		083SB-0004M-0001-SO		DUP	337815				45510			
	339761		08/12/2013 1215					ICP NA QSM				
		083SB-0004M-0001-SO		DUP	337815				45510			
	339762		08/12/2013 1215					ICP K QSM				
		083SB-0004M-0001-SO		MSS	337815				45510			
	339762		08/12/2013 1215					ICP NA QSM				
		083SB-0004M-0001-SO		MSS	337815				45510			
	339763		08/12/2013 1215					ICP K QSM				
		083SB-0004M-0001-SO		MSDS	339762				45510			
	339763		08/12/2013 1215					ICP NA QSM				
		083SB-0004M-0001-SO		MSDS	339762				45510			
	341393							ICP K QSM				
				PDSS	337815				0			
	341393							ICP NA QSM				
				PDSS	337815				0			
99211	337818		08/12/2013 1245			ECC	RVAAP	ICP K QSM		S		**4**
		083SB-0005M-0001-SO							45510			
99211	337818		08/12/2013 1245			ECC	RVAAP	ICP NA QSM		S		**4**
		083SB-0005M-0001-SO							45510			
99211	337820		08/12/2013 1245			ECC	RVAAP	ICP K QSM		S		**4**
		083SB-0006M-0001-SO							45510			
99211	337820		08/12/2013 1245			ECC	RVAAP	ICP NA QSM		S		**4**
		083SB-0006M-0001-SO							45510			
99211	337822		08/12/2013 1315			ECC	RVAAP	ICP K QSM		S		**4**
		083SB-0008M-0001-SO							45510			
99211	337822		08/12/2013 1315			ECC	RVAAP	ICP NA QSM		S		**4**
		083SB-0008M-0001-SO							45510			
99211	337824		08/12/2013 1415			ECC	RVAAP	ICP K QSM		S		**4**
		083SB-0009M-0001-SO							45510			
99211	337824		08/12/2013 1415			ECC	RVAAP	ICP NA QSM		S		**4**
		083SB-0009M-0001-SO							45510			

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

MICP SOIL QSM Analytical Run
96873 on 08/22/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
99211	337826	083SB-0011M-0001-SO	08/12/2013 1440		ECC	RVAAP	ICP K QSM	45510	S	4	
99211	337826	083SB-0011M-0001-SO	08/12/2013 1440		ECC	RVAAP	ICP NA QSM	45510	S	4	
	341394			CCV			MICP SOIL QSM	0			
	341395			CCB			MICP SOIL QSM	0			
99211	337828	083SB-0012M-0001-SO	08/12/2013 1455		ECC	RVAAP	ICP K QSM	45510	S	4	
99211	337828	083SB-0012M-0001-SO	08/12/2013 1455		ECC	RVAAP	ICP NA QSM	45510	S	4	
99211	337830	083SB-0013M-0001-SO	08/12/2013 1510		ECC	RVAAP	ICP K QSM	45510	S	4	
99211	337830	083SB-0013M-0001-SO	08/12/2013 1510		ECC	RVAAP	ICP NA QSM	45510	S	4	
99211	337832	083SB-0014-0001-SO	08/12/2013 1415		ECC	RVAAP	ICP K QSM	45510	S	4	
99211	337832	083SB-0014-0001-SO	08/12/2013 1415		ECC	RVAAP	ICP NA QSM	45510	S	4	
99211	337834	083SB-0015M-0001-SO	08/12/2013 1514		ECC	RVAAP	ICP K QSM	45510	S	4	
99211	337834	083SB-0015M-0001-SO	08/12/2013 1514		ECC	RVAAP	ICP NA QSM	45510	S	4	
	342363			CCV			MICP SOIL QSM				
	342364			CCB			MICP SOIL QSM				

51 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

MERCURY QSM SOIL Analytical Run
96929 on 8/22/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)		CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
	342188							MERCURY QSM SOIL				
				ICV					0			
	342189							MERCURY QSM SOIL				
				ICB					0			
	337843							MERCURY QSM				
				LCSS					45457			
	337842							MERCURY QSM				
				MBS					45457			
99211	337811	083SB-0001M-0001-SO	8/12/2013 1512			ECC	RVAAP	MERCURY QSM	45457	S	**4**	
99211	337812	083SB-0002M-0001-SO	8/12/2013 1516			ECC	RVAAP	MERCURY QSM	45457	S	**4**	
99211	337813	083SB-0003M-0001-SO	8/12/2013 1141			ECC	RVAAP	MERCURY QSM	45457	S	**4**	
99211	337815	083SB-0004M-0001-SO	8/12/2013 1215	Designated MS/MSD		ECC	RVAAP	MERCURY QSM	45457	S	**4**	
	342190							MERCURY QSM				
				L	337815				0			
	337852		8/12/2013 1215					MERCURY QSM				
		083SB-0004M-0001-SO		DUP	337815				45457			
	337853		8/12/2013 1215					MERCURY QSM				
		083SB-0004M-0001-SO		MSS	337815				45457			
	337854		8/12/2013 1215					MERCURY QSM				
		083SB-0004M-0001-SO		MSDS	337853				45457			
	342191							MERCURY QSM SOIL				
				CCV					0			
	342192							MERCURY QSM SOIL				
				CCB					0			
	342193							MERCURY QSM				
				PDSS	337815				0			
99211	337818	083SB-0005M-0001-SO	8/12/2013 1245			ECC	RVAAP	MERCURY QSM	45457	S	**4**	
99211	337820	083SB-0006M-0001-SO	8/12/2013 1315			ECC	RVAAP	MERCURY QSM	45457	S	**4**	
99211	337822	083SB-0008M-0001-SO	8/12/2013 1415			ECC	RVAAP	MERCURY QSM	45457	S	**4**	
99211	337824	083SB-0009M-0001-SO							45457			

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

MERCURY QSM SOIL Analytical Run
96929 on 8/22/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
99211	337826	083SB-0011M-0001-SO	8/12/2013 1440		ECC	RVAAP	MERCURY QSM	45457	S	**4**	
99211	337828	083SB-0012M-0001-SO	8/12/2013 1455		ECC	RVAAP	MERCURY QSM	45457	S	**4**	
99211	337830	083SB-0013M-0001-SO	8/12/2013 1510		ECC	RVAAP	MERCURY QSM	45457	S	**4**	
99211	337832	083SB-0014-0001-SO	8/12/2013 1415		ECC	RVAAP	MERCURY QSM	45457	S	**4**	
99211	337834	083SB-0015M-0001-SO	8/12/2013 1514		ECC	RVAAP	MERCURY QSM	45457	S	**4**	
	342195			CCV			MERCURY QSM SOIL	0			
	342196			CCB			MERCURY QSM SOIL	0			

26 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

Data Review Checklist	Analysis Date: 8-20-13	Data File: 000result5U1332	Date of review: 8-22-13
1605 LIMS #: 96872	Analyst: ~~JK~~ MDC	Reviewer: JK	Approved? (Yes) No
Trail turned on or Manual Manipulations addressed? (Yes) / No (If no, any manual manipulations must be initialed, dated, and reason(s) stated for change)			

QC Parameters : 6010 / 200.7 / QSM / Other	YES	NO	YES	NO	Comments:
1) Calibration linearity: r ≥ 0.995 / r > 0.998	✓		✓		
2) ICV: 90-110% / 95-105%	✓		✓		
3) ICB: < 3X IDL / <LOD / <LOQ	✓		✓		MRL fail Fe OK Samples > 50X
4) ICSA: < ABS LOD	✓		✓		341853
5) ICSAB: 80-120%	✓		✓		CCV2 failures OK no Samples Reported from Line or
6) MRL: 70-130% / 80-120%	✓		✓		LOD CCV1 OK no Samples Reported from
7) MDL Check: >LOD					Line
8) CCV1/CCB1 (CCV: 90-110%)	✓		✓		V, B. CCB MRL Fe OK
9) CCV2/CCB2 (CCB: < 3X IDL / <LOD / <LOQ)					
10) CCV3/CCB3					
11) CCV4/CCB4					
12) CCV5/CCB5					
13) CCV6/CCB6					
Preparation Batch Parameters	**YES**	**NO**	**YES**	**NO**	
Prep Batch ID#: 45510 Dig. Meth. 3050	✓		✓		
LCS - generated limits or project specific limits	✓		✓		
MB - <LOD or ≤ ½ RL	✓	✓	✓	✓	Al, Ba, Ca, Mg, Mn, Tl >LOD >½RL all >10% except Tl <LOD Cu Min Ni >LOD <½R Samples >10%
Spiked samples in batch:					
a) 337815 matrix = SO	✓	✓	✓	✓	Ba, Mg ℓ fail MS, MSD fail
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#: 337815	✓	✓	✓	✓	PDS failures "M"
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					"V" flag Diluted Samples Reported <LOD <LOQ
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					

(CVAA) Data Review checklist

Method: 200.9 | 7000 series AA | 245.1 | 7470a / (7471a)

Instrumentation: 22 08/22/13SF | THERMO M SERIES AA | CETAC Hg ANALYZER

Analysis Date: 08/22/13 | Data File: 13082200 | Date Review: 8/22/13 | Analyte: Hg

Cal Std ID: 111611 | LIMS # : 96929 | Analyst: SF | Reviewer: [signature] | Approved? (Yes) No

Is Audit Trail turned on or Manual Manipulations addressed? (Yes) No (If no, any manual manipulations must be initialed, dated, and reason(s) stated for change)

Calibration Parameters -	YES	NO	YES	NO
1) Calibration linearity - r > 0.995	✓		✓	
2) ICV: (90-110%) 95-105%	✓		✓	
3) ICB: <IDL / (<LOD) / <LOQ / <½ RL	✓		✓	
6) MRL: 70-130%				
7) CCV1/CCB1- (CCV: 90-110% / 80-120%)	✓		✓	
8) CCV2/CCB2 (CCB: <IDL / <LOD / <LOQ / <½ RL)				
9) CCV3/CCB3				
10) CCV4/CCB4				
11) CCV5/CCB5				
12) CCV6/CCB6				

Preparation Batch Parameters	YES	NO	YES	NO
Prep Batch ID#: 45457 Dig. Meth. 7471A	✓		✓	
LCS - generated limits or project specific limits	✓		✓	
MB - <LOD / <2.2X LOD / ≤ ½RL	✓		✓	
Spiked samples in batch:				
a) 337815 matrix = Soil	✓	–	✓	–
b) _____ matrix = _____				
c) _____ matrix = _____				
d) _____ matrix = _____				
e) _____ matrix = _____				
PDS: ±15% / (20%) / 25% Sample# 337815	✓		✓	
MSA Performed? Yes No				
Prep Batch ID#: _____ Dig. Meth. _____				
LCS - generated limits or project specific limits				
MB - <LOD / <2.2X LOD / ≤ ½RL				
Spiked samples in batch:				
a) _____ matrix = _____				
b) _____ matrix = _____				
c) _____ matrix = _____				
d) _____ matrix = _____				
e) _____ matrix = _____				
PDS: ±15% / 20% / 25% Sample# _____				
MSA Performed? Yes No				
Prep Batch ID#: _____ Dig. Meth. _____				
LCS - generated limits or project specific limits				
MB - <LOD / <2.2X LOD / ≤ ½RL				
Spiked samples in batch:				
a) _____ matrix = _____				
b) _____ matrix = _____				
c) _____ matrix = _____				
d) _____ matrix = _____				
e) _____ matrix = _____				
PDS: ±15% / 20% / 25% Sample# _____				
MSA Performed? Yes No				

Comments:

ms fail ; PDS

OK no flags

Review Checklist	Analysis Date: 08/20/13	Data File: nak 081913 v79	Date of review: 8-22-13
LIMS # : 96873	Analyst: NAK mos	Reviewer:	Approved? Yes No

turned on or Manual Manipulations addressed? Yes / No (If no, any manual manipulations must be initialed, dated, and reason(s) stated for change)

ameters : 6010 / 200.7 / QSM / Other	YES	NO	YES	NO	Comments:
Calibration linearity: r > 0.998 / r > 0.998	✓		✓		
2) ICV: 90-110% / 95-105%	✓		✓		
3) ICB: < 3X IDL / <LOD / <LOQ	✓		✓		
4) ICSA: < ABS LOD	✓		✓		
5) ICSAB: 80-120%	✓		✓		
6) MRL: 70-130% / 80-120%	✓		✓		
7) MDL Check: >LOD					
8) CCV1/CCB1 (CCV: 90-110%)	✓		✓		
9) CCV2/CCB2 (CCB: < 3X IDL / <LOD / <LOQ)					
10) CCV3/CCB3					
11) CCV4/CCB4					
12) CCV5/CCB5					
13) CCV6/CCB6					
Preparation Batch Parameters	**YES**	**NO**	**YES**	**NO**	
Prep Batch ID#: 45510 Dig. Meth. 3050	✓		✓		
LCS - generated limits or project specific limits	✓		✓		
MB - <LOD or ≤ ½ RL	✓		✓		
Spiked samples in batch:					
a) 337815 matrix = S	✓		✓		Dup, L invalid
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#: 337815	✓		✓		
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					
Prep Batch ID#: Dig. Meth.					
LCS - generated limits or project specific limits					
MB - <LOD or ≤ ½ RL					
Spiked samples in batch:					
a) matrix =					
b) matrix =					
c) matrix =					
PDS: ±15% / 20% / 25% Sample#:					

PREP WORKSHEET
on 09/09/2013

Prep Batch **45,510** Date Prepped: 08/19/2013 Prepped By LJF

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
	339759	MBS		ICP QSM	SOLID	50	2.00			
	339759	MBS		ICP K QSM	SOLID	50	2.00			
	339759	MBS		ICP NA QSM	SOLID	50	2.00			
	339760	LCSS		ICP QSM	SOLID	50	2.00			
	339760	LCSS		ICP K QSM	SOLID	50	2.00			
	339760	LCSS		ICP NA QSM	SOLID	50	2.00			
99211	337811			ICP QSM	SOIL	50	1.93		Y	
	337811			ICP NA QSM	SOIL	50	1.93		N	
	337811			ICP K QSM	SOIL	50	1.93		N	
	337811			ICP QSM	SOIL	50	1.93		Y	
	337811			ICP QSM	SOIL	50	1.93		Y	
	337811			ICP QSM	SOIL	50	1.93		Y	
	337812			ICP QSM	SOIL	50	2.06		Y	
	337812			ICP QSM	SOIL	50	2.06		Y	
	337812			ICP K QSM	SOIL	50	2.06		N	
	337812			ICP NA QSM	SOIL	50	2.06		N	
	337812			ICP QSM	SOIL	50	2.06		Y	
	337812			ICP QSM	SOIL	50	2.06		Y	
	337813			ICP QSM	SOIL	50	1.98		Y	
	337813			ICP QSM	SOIL	50	1.98		Y	
	337813			ICP K QSM	SOIL	50	1.98		N	
	337813			ICP NA QSM	SOIL	50	1.98		N	
	337813			ICP QSM	SOIL	50	1.98		Y	
	337813			ICP QSM	SOIL	50	1.98		Y	
	337815	*		ICP QSM	SOIL	50	2.06		Y	

PREP WORKSHEET
on 09/09/2013

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
99211	337815	*		ICP QSM	SOIL	50	2.06		Y	
	337815	*		ICP QSM	SOIL	50	2.06		Y	
	337815	*		ICP K QSM	SOIL	50	2.06		N	
	337815	*		ICP NA QSM	SOIL	50	2.06		N	
	337815	*		ICP QSM	SOIL	50	2.06		Y	
	337818			ICP QSM	SOIL	50	2.05		Y	
	337818			ICP QSM	SOIL	50	2.05		Y	
	337818			ICP QSM	SOIL	50	2.05		Y	
	337818			ICP QSM	SOIL	50	2.05		Y	
	337818			ICP QSM	SOIL	50	2.05		Y	
	337818			ICP K QSM	SOIL	50	2.05		N	
	337818			ICP NA QSM	SOIL	50	2.05		N	
	337820			ICP QSM	SOIL	50	2.08		Y	
	337820			ICP K QSM	SOIL	50	2.08		N	
	337820			ICP NA QSM	SOIL	50	2.08		N	
	337820			ICP QSM	SOIL	50	2.08		Y	
	337820			ICP QSM	SOIL	50	2.08		Y	
	337822			ICP QSM	SOIL	50	2.06		Y	
	337822			ICP QSM	SOIL	50	2.06		Y	
	337822			ICP QSM	SOIL	50	2.06		Y	
	337822			ICP K QSM	SOIL	50	2.06		N	
	337822			ICP NA QSM	SOIL	50	2.06		N	
	337824			ICP QSM	SOIL	50	1.97		Y	
	337824			ICP K QSM	SOIL	50	1.97		N	
	337824			ICP NA QSM	SOIL	50	1.97		N	
	337824			ICP QSM	SOIL	50	1.97		Y	

PREP WORKSHEET
on 09/09/2013

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
99211	337824			ICP QSM	SOIL	50	1.97		Y	
	337826			ICP QSM	SOIL	50	2.07		Y	
	337826			ICP QSM	SOIL	50	2.07		Y	
	337826			ICP QSM	SOIL	50	2.07		Y	
	337826			ICP K QSM	SOIL	50	2.07		N	
	337826			ICP NA QSM	SOIL	50	2.07		N	
	337828			ICP QSM	SOIL	50	2.04		Y	
	337828			ICP K QSM	SOIL	50	2.04		N	
	337828			ICP NA QSM	SOIL	50	2.04		N	
	337828			ICP QSM	SOIL	50	2.04		Y	
	337828			ICP QSM	SOIL	50	2.04		Y	
	337830			ICP QSM	SOIL	50	2.05		Y	
	337830			ICP QSM	SOIL	50	2.05		Y	
	337830			ICP QSM	SOIL	50	2.05		Y	
	337830			ICP K QSM	SOIL	50	2.05		N	
	337830			ICP NA QSM	SOIL	50	2.05		N	
	337832			ICP QSM	SOIL	50	2.00		Y	
	337832			ICP K QSM	SOIL	50	2.00		N	
	337832			ICP NA QSM	SOIL	50	2.00		N	
	337832			ICP QSM	SOIL	50	2.00		Y	
	337832			ICP QSM	SOIL	50	2.00		Y	
	337834			ICP QSM	SOIL	50	2.01		Y	
	337834			ICP QSM	SOIL	50	2.01		Y	
	337834			ICP QSM	SOIL	50	2.01		Y	
	337834			ICP K QSM	SOIL	50	2.01		N	
	337834			ICP NA QSM	SOIL	50	2.01		N	

PREP WORKSHEET
on 09/09/2013

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
	339761	DUP	337815	ICP QSM	SOIL	50	2.05			
	339761	DUP	337815	ICP K QSM	SOIL	50	2.05			
	339761	DUP	337815	ICP NA QSM	SOIL	50	2.05			
	339761	DUP	337815	ICP QSM	SOIL	50	2.05			
	339761	DUP	337815	ICP QSM	SOIL	50	2.05			
	339762	MSS	337815	ICP QSM	SOIL	50	2.05			
	339762	MSS	337815	ICP K QSM	SOIL	50	2.05			
	339762	MSS	337815	ICP NA QSM	SOIL	50	2.05			
	339762	MSS	337815	ICP QSM	SOIL	50	2.05			
	339762	MSS	337815	ICP QSM	SOIL	50	2.05			
	339763	MSDS	339762	ICP K QSM	SOIL	50	1.96			
	339763	MSDS	339762	ICP NA QSM	SOIL	50	1.96			
	342228	MSDS	339762	ICP QSM	SOIL	50	1.96			
	342228	MSDS	339762	ICP QSM	SOIL	50	1.96			

Notes:_____

Metals Digestion Bench Sheet

(Prep Methods 3010, 3020, 3005, & 3050)

*Matrix: SOIL

3010= ICP Liquids
3020= GFAA Liquids
3005= Sb Liquids
3050= ICP/GFAA Solids
7060/7740= GFAA, As & Se Liquids

Prep Batch #:	45510
Prep Method:	3050
Analyst:	LJF
Date:	08/19/2013
Start Time:	11:30

Prep Analyst: LJF
Balance ID: SVXD2200

End Date: 08/19/2013
End Time: 15:00

Reagent:	Ref. #
Nitric Acid:	AB.568
Hydrochloric Acid:	AB.569
Hydrogen Peroxide:	

Digestion Tube Lot #: 1208059-6-3139-JF
Block Used: A
Cell Position for Temp. Check: F-4
Initial-DigestionTemp (ºC): 93
Final-Digestion Temp (ºC): 93

Sample ID			(Solids) Sample Weight (g)	(Liquids) Sample Volume (ml)	Final Volume (ml)
339759	(MB)		2.00		50
339760	(LCS)		2.00		50
337811			1.93		50
337812	**Comments:**		2.06		50
337813			1.98		50
337815			2.06		50
337818			2.05		50
337820			2.08		50
337822			2.06		50
337824			1.97		50
337826			2.07		50
337828			2.04		50
337830			2.05		50
337832			2.00		50
337834			2.01		50
					50
					50
					50
					50
					50
					50
					50
339761	(DUP)		2.05		50
339762	(MS)	Parent Sample	2.05		50
339763	(MSD)	337815	1.96		50
Leave >>	(DUP) if applicable				50
blank	(MS)	Parent Sample			50
if N/A	(MSD)				50

MB=Method Blank, LCS=Laboratory Control Sample, DUP=Duplicate, MS=Matrix Spike & MSD=Matrix Spike Duplicate
*Matrix: Soil, Sludge, Waste, GW=Groundwater, WW=Wastewater, Tissue, TLCP, SPLP, ASTM or other.

MS/MSD Spike Amount (ml)	Spike Ref. #
0.5	M11623
0.5	M11604
1	M11542

LCS Spike Amount (ml)	Spike Ref. #
0.5	M11623
0.5	M11604
1	M11542

Reviewed By/Date:

PREP WORKSHEET
on 09/09/2013

Prep Batch **45,457** Date Prepped: 08/20/2013 Prepped By LJF

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
	337842	MBS		MERCURY QSM	SOLID	25	0.60			
	337843	LCSS		MERCURY QSM	SOLID	25	0.60			
99211	337811			MERCURY QSM	SOIL	25	0.57		N	
	337812			MERCURY QSM	SOIL	25	0.56		N	
	337813			MERCURY QSM	SOIL	25	0.58		N	
	337815	*		MERCURY QSM	SOIL	25	0.58		N	
	337818			MERCURY QSM	SOIL	25	0.58		N	
	337820			MERCURY QSM	SOIL	25	0.59		N	
	337822			MERCURY QSM	SOIL	25	0.60		N	
	337824			MERCURY QSM	SOIL	25	0.59		N	
	337826			MERCURY QSM	SOIL	25	0.57		N	
	337828			MERCURY QSM	SOIL	25	0.56		N	
	337830			MERCURY QSM	SOIL	25	0.57		N	
	337832			MERCURY QSM	SOIL	25	0.56		N	
	337834			MERCURY QSM	SOIL	25	0.58		N	
	337852	DUP	337815	MERCURY QSM	SOIL	25	0.56			
	337853	MSS	337815	MERCURY QSM	SOIL	25	0.57			
	337854	MSDS	337853	MERCURY QSM	SOIL	25	0.58			

Notes:_____

Mercury Digestion Bench Sheet
(Prep Methods 7470A & 7471A)

CCV ID: M11614 *Matrix: SOIL
ICV/LCSW I M11613

Balance ID: SVXD2200

	Prep Batch	45457			
7470A= H	Prep Meth	7471A		End Date:	08/20/2013
7471A= H	Analyst:	LJF		End Time:	13:00
	Date:	08/20/2013			
	Start Time	12:30		Digestion T	2277737
	Reagent:	Ref. #		Block Used	B
	HNO3:	AB.568		Cell Positio	F-6
	H2SO4:	AB.570		Initial-Dige	93
	NaCl/Hydr	M11593		Final-Diges	93
	KMnO4:	M11625		Additional KMnO4 added (ml):	
	K2S2O8:	M11524		Aqua Regia	1.25
	Aqua-Regia	M11616		Calibration	M11611

Sample ID			(Solids) Sar Weight (g)	(Liquids) Sa Volume (m	Final Volume (ml)
337842	(MB)		0.6		25
337843	(LCS)		0.6		25
337811			0.57		25
337812	Comments:		0.56		25
337813			0.58		25
337815			0.58		25
337818			0.58		25
337820			0.59		25
337822			0.6		25
337824			0.59		25
337826			0.57		25
337828			0.56		25
337830			0.57		25
337832			0.56		25
337834			0.58		25
					25
					25
					25
					25
					25
					25
					25
337852	(DUP)		0.56		25
337853	(MS)	Parent Sample	0.57		25
337854	(MSD)	337815	0.58		25
Leave >>	(DUP) if applicable				25
blank	(MS)	Parent Sample			25
if N/A	(MSD)				25

MB=Method Blank, LCS=Laboratory Control Sample, DUP=Duplicate, MS=Matrix Spike & MSD=Matrix Spike Duplicate
*Matrix: Soil, Sludge, Waste, GW=Groundwater, WW=Wastewater, Tissue, TLCP, SPLP, ASTM or other.

A:	Spike Amo	Spike Conc	Spike Ref. #	B:	Spike Amo	Spike Conc. (ug/L)	Spike Ref. #
	0.5	100ug/L	M11612				

Reviewed By/Date:

CT Laboratories Instrument Run Log

Instrument ID: ICP 6000

Date	Time Start/End	Analyst	Method	LIMS# or Sample #	Sequence I.D.	Nebulizer Pressure	Cal Std ID	Wavelenth Check	Comments
7-15-13	0654 / 1349	MDS/NAH	naK	95845, 95822, 95819 95816, 95817, 95743	naK071513	290	M11267	See Journal	v65, 66, 68
7-17-13	0820 / 0904	MDS	naK	95919, 95816, 95898	naK071713	290	M11267	See Journal	v67
7-18-13	0820 / 0920	MDS	naK	95965, 95966, 95954	naK071813	290	M11267	See Journal	v69
7-26-13	0919 / 1040	MDS	naK	96167	K072613	290	M11267	See Journal	v69, v70
7-29-13	1229 / 1251	MDS	naK	96224	K072913	290	M11267	See Journal	v71
7-31-13	1057 / 1121	MDS	naK	96297	naK073113	290	M11267	See Journal	v72
8-02-13	1247 / 1441	MDS	naK	96372, 96381, 96391, 96394	naK080213	290	M11267	See Journal	v73
8.9.13	1224 / 1416	[illegible]	NA, K	96567, 96573, 96591, 96606 96605, 96582, 96582, 96637	N080913	290	M11267	See Journal	v75
8-12-13	1026 / 1041	[illegible]	Na, K	96652	N081213	290	M11267	See Journal	V76
8-14-13 MDS 08/14/13	0846 / 0925	MDS	Na, K	96649, 96639	naK081413	290	M11267	See Journal	v74
8-20-13	0939 / 1148	[illegible]	Na K	96770, 96842, 96843, 96849, 96854, 96856, 96857, 96873, 96877	naK081913	290	M11267	See Journal	v79
8.24.13	1051 / 1249	MDS	As, Pb	97083, 97097	As+Pb082413	250	M11605	See Journal	V15
8.25-13	0759 / 1241	[illegible]	As, Pb	97083, 97102, 97107	As+Pb082513	250	M11605	See Journal	V16, V17
8.26.13	0933 / 1005	MDS	Na, K	97052	naK082613	250	M11267	See Journal	v79
8-27-13	1353 / 2017	MDS	As, Pb	97151, 97152, 97155, 97153, 97158, 97159	As+Pb082713	250	M11605	See Journal	V20
8-28-13	0700 / 2023	[illegible] MDS	As, Pb	97159 97208, 97209 97221, 97222, 97252, 97227	As+Pb082813	250	M11605	See Journal	V21, V22
8.29.13	1132 / 1702	[illegible] MDS	As, Pb	97297, 98, 97520, 97511 97550, 97307	As+Pb082913	250	M11605	See Journal	V23, V36
8.30.13	0712 / 2221	[illegible] MDS	As, Pb	97299, 97302	As+Pb083013	250	M11605	See Journal	V24, V25, V26, V28
8-31-13	1326 / 2050	MDS NAH	As, Pb	97479, 97477, 97464 97447, 97432, 97431	As+Pb 083113	250	M11605	See Journal	V27
9.1.13	0905 / 1430	[illegible]	As, Pb	97489 97488 94290 96187	As+Pb090113	250	M11605	See Journal	V28 9-3-13 V33 V30, V31, V32
9-3-13	1329 / 1945	[illegible] MDS	As, Pb	97488, 89, 97549, 50 97546, 47	As+Pb090313	250	M11605	See Journal	V34
9-4-13	0713 / 1904	[illegible] MDS	As, Pb	97552 97563, 64, 65 97553 97564	As+Pb090413	250	M11605	See Journal	V35
9-5-13	1334 / 2243		As, Pb	97586, 89 97598, 99 97602, 97560	As+Pb090513	250	M11605	See Journal	V3 9-7-13 V41
9-6-13	0759 / 1409	MDS/NAH	As, Pb	97588, 97589, 97598, 97599, 97603, 97600	As+Pb090613	250	M11605	See Journal	V39
9-6-13	1424 / 2149	MDS/NAH	As Pb	97650, 97614, 97649 97613, 97645, 97641	As+Pb0906136	250	M11605	See Journal	V40, V42, V43, V44
9-7-13	11:13 / 2019	MDS/[illegible]	As, Pb	97714, 15, 97693 97682	As+Pb090713	250	M11605	See Journal	V38, V45, V46

Type	Date/Time	Message	User name	Application	Sequence Name
	08/09/2013 10:50:41	Plasma On	NAH	iTEVA Control Center	
	08/09/2013 10:50:46	Plasma ignition successful	NAH	Analyst	
	08/09/2013 10:51:32	D33534 - Debug:Wavelength check : x = -1.183, y =2.440	NAH	Analyst	
	08/09/2013 12:23:39	Sequence Started	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:23:39	Autosampler Run Started	NAH	Analyst	
	08/09/2013 12:24:02	Running Blank (1)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:25:02	Running CalibStd-0.5 (2)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:26:00	Running CalibStd-1.0 (3)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:26:59	Running CalibStd-5 (4)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:27:56	Running CalibStd-10 (5)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:28:54	Running CalibStd-50 (6)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:29:52	Running CalibStd-100 (7)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:30:49	Running CalibStd-200 (8)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:31:55	Running CalibStd-500 (9)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:33:08	Running icv (10)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:34:06	Running icb (11)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:35:05	Running icsa (12)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:36:17	Running icsab (13)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:37:27	Running mrl (16)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:38:24	Running lcsw45398 (1)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:39:29	Running mbw45398 (2)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:40:28	Running 335425 (3)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:41:23	Running l335425 (4)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:42:22	Running dup335425 (5)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:43:18	Running msw335425 (6)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:44:22	Running msdw335425 (7)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:45:26	Running pdsw335425 (8)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:46:22	Running 335427 (9)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:47:21	Running 335429 (10)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:48:19	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:49:16	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:50:15	Running 335448 (11)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:51:12	Running lcss45407 (12)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:52:10	Running mbw45407 (13)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:53:09	Running 334525 (14)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:54:04	Running mss334525 (15)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:54:59	Running msds334525 (16)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:55:54	Running pdss334525 (17)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:56:48	Running lcsw45411 (18)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:57:53	Running mbw45411 (19)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:58:52	Running 335812 (20)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 12:59:57	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:00:54	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:01:53	Running l335812 (21)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:02:50	Running dup335812 (22)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:03:55	Running msw335812 (23)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:05:08	Running msdw335812 (24)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:06:20	Running pdsw335812 (25)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:07:25	Running 335815 (26)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:08:29	Running lcsw45416/17 (27)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:09:33	Running mbw45416/17 (28)	NAH	Analyst	S_Sodium and Pota

Type	Date/Time	Message	User name	Application	Sequence Name
	08/09/2013 13:10:32	Running 335310 (29)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:11:28	Running MSW335310 (30)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:12:25	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:13:22	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:14:21	Running MSDW335310 (31)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:15:18	Running PDSW335310 (32)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:16:17	Running 335311 (33)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:17:13	Running 335330 (34)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:18:09	Running 335314 (35)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:19:06	Running MSW335314 (36)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:20:10	Running MSDW335314 (37)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:21:23	Running PDSW335314 (38)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:22:18	Running 335715 (39)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:23:14	Running lcsw45415 (40)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:24:19	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:25:16	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:26:15	Running mbw45415 (41)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:27:14	Running 335760 (42)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:28:10	Running l335760 (43)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:29:08	Running dup335760 (44)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:30:04	Running msw335760 (45)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:31:09	Running msdw335760 (46)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:32:13	Running pdsw335760 (47)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:33:10	Running LCSW45392 (48)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:34:14	Running MBW45392 (49)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:35:13	Running 334529 (50)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:36:09	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:37:07	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:38:06	Running MSW334529 (51)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:39:07	Running MSDW334529 (52)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:40:04	Running PDSW334529 (53)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:41:00	Running LCSW45376 (54)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:42:05	Running MBW45376 (55)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:43:04	Running 332235 (56)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:43:58	Running 332236 (57)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:44:54	Running MSW332236 (58)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:45:56	Running MSDW332236 (59)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:47:01	Running PDSW332236 (60)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:47:57	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:48:54	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:49:53	Running 333165 (61)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:50:50	Running 333166 (62)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:51:47	Running LCSS45396 (63)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:52:52	Running MBS45396 (64)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:53:51	Running 334921 (65)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:54:47	Running L334921 (66)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:55:43	Running DUP334921 (67)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:56:39	Running MSS334921 (68)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:57:42	Running MSDS334921 (69)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:58:45	Running PDSS334921 (70)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 13:59:39	Running ccv (14)	NAH	Analyst	S_Sodium and Pota

Type	Date/Time	Message	User name	Application	Sequence Name
	08/09/2013 14:00:36	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:01:36	Running 334929 (71)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:02:39	Running 334930 (72)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:03:39	Running 334931 (73)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:04:42	Running 334932 (74)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:05:36	Running 334933 (75)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:06:39	Running 335812 (76)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:07:36	Running L335812 (77)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:08:34	Running DUP335812 (78)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:09:31	Running MSW335812 (79)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:10:27	Running MSDW335812 (80)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:11:23	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:12:20	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:13:20	Running PDSW335812 (81)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:14:17	Running 335815 (82)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:15:15	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:16:12	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/09/2013 14:17:08	Plasma off	NAH	iTEVA Control Center	
	08/09/2013 14:17:09	Plasma extinguished successfully	NAH	Analyst	
	08/09/2013 14:17:11	Autosampler Run Completed	NAH	Analyst	S_Sodium and Pota
	08/12/2013 06:52:50	Plasma On	NAH	iTEVA Control Center	
	08/12/2013 06:52:56	Plasma ignition successful	NAH	Analyst	
	08/12/2013 06:53:42	D33534 - Debug:Wavelength check : x = -1.184, y =2.460	NAH	Analyst	
	08/12/2013 09:46:50	Autosampler Run Started	NAH	Analyst	
	08/12/2013 09:46:50	Sequence Started	NAH	Analyst	S_Sodium and Pota
	08/12/2013 09:47:14	Running Blank (1)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 09:48:07	E33539 - : Error Updating Method with standard: Standard saturated.	NAH	Analyst	
	08/12/2013 09:48:12	Running CalibStd-0.5 (2)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 09:49:10	Running CalibStd-1.0 (3)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 09:50:08	Running CalibStd-5 (4)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 09:51:06	Running CalibStd-10 (5)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 09:52:04	Running CalibStd-50 (6)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 09:53:03	Running CalibStd-100 (7)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 09:54:00	Running CalibStd-200 (8)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 09:55:05	Running CalibStd-500 (9)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 09:56:17	Running icv (10)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 09:57:14	Running icb (11)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 09:58:13	Running icsa (12)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 09:59:25	Running icsab (13)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:00:35	Running mrl (16)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:01:32	Running PDSW335812 (1)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:02:29	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:03:27	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:04:24	Plasma off	NAH	iTEVA Control Center	
	08/12/2013 10:04:25	Plasma extinguished successfully	NAH	Analyst	
	08/12/2013 10:04:27	Autosampler Run Completed	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:19:55	Plasma On	NAH	iTEVA Control Center	
	08/12/2013 10:19:59	Plasma ignition successful	NAH	Analyst	
	08/12/2013 10:20:46	D33534 - Debug:Wavelength check : x = -0.328, y =2.020	NAH	Analyst	
	08/12/2013 10:24:56	Sequence Started	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:24:56	Autosampler Run Started	NAH	Analyst	

Type	Date/Time	Message	User name	Application	Sequence Name
	08/12/2013 10:25:19	Running Blank (1)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:26:20	Running CalibStd-0.5 (2)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:27:18	Running CalibStd-1.0 (3)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:28:16	Running CalibStd-5 (4)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:29:13	Running CalibStd-10 (5)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:30:11	Running CalibStd-50 (6)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:31:09	Running CalibStd-100 (7)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:32:06	Running CalibStd-200 (8)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:33:12	Running CalibStd-500 (9)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:34:23	Running icv (10)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:35:21	Running icb (11)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:36:20	Running icsa (12)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:37:32	Running icsab (13)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:38:42	Running mrl (16)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:39:39	Running PDSW335812 (1)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:40:36	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:41:33	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/12/2013 10:42:32	Plasma extinguished successfully	NAH	Analyst	
	08/12/2013 10:42:32	Plasma off	NAH	iTEVA Control Center	
	08/12/2013 10:42:34	Autosampler Run Completed	NAH	Analyst	S_Sodium and Pota
	08/13/2013 08:21:29	Plasma On	NAH	iTEVA Control Center	
	08/13/2013 08:21:34	Plasma ignition successful	NAH	Analyst	
	08/13/2013 08:22:21	D33534 - Debug:Wavelength check : x = -1.138, y =2.403	NAH	Analyst	
	08/13/2013 11:45:39	Plasma extinguished successfully	NAH	Analyst	
	08/13/2013 11:45:40	Plasma off	NAH	iTEVA Control Center	
	08/14/2013 07:55:35	Plasma On	NAH	iTEVA Control Center	
	08/14/2013 07:55:41	Plasma ignition successful	NAH	Analyst	
	08/14/2013 07:56:27	D33534 - Debug:Wavelength check : x = -1.302, y =2.436	NAH	Analyst	
	08/14/2013 08:14:49	Autosampler Run Started	NAH	Analyst	
	08/14/2013 08:14:49	Sequence Started	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:15:12	Running Blank (1)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:16:12	Running CalibStd-0.5 (2)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:17:10	Running CalibStd-1.0 (3)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:18:08	Running CalibStd-5 (4)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:19:06	Running CalibStd-10 (5)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:20:04	Running CalibStd-50 (6)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:21:03	Running CalibStd-100 (7)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:22:00	Running CalibStd-200 (8)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:23:05	Running CalibStd-500 (9)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:24:16	Running icv (10)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:25:14	Running icb (11)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:26:13	Running icsa (12)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:27:26	Running icsab (13)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:28:35	Running mrl (16)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:29:33	Running 336999lcss 45430 (1)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:30:31	Running 336998mbs 45430 (2)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:31:28	Running 335708 (3)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:32:26	Running mss335708 (4)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:33:24	Running msds335708 (5)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:34:23	Running pdss335708 (6)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:35:00	Autosampler Run Completed	NAH	Analyst	S_Sodium and Pota

Type	Date/Time	Message	User name	Application	Sequence Name
	08/14/2013 08:37:39	E9000 - : Plasma went out unexpectedly; please refer to error message	NAH	iTEVA Control Center	
	08/14/2013 08:39:34	Plasma On	NAH	iTEVA Control Center	
	08/14/2013 08:39:38	Plasma ignition successful	NAH	Analyst	
	08/14/2013 08:40:25	D33534 - Debug:Wavelength check : x = -1.290, y =2.002	NAH	Analyst	
	08/14/2013 08:40:33	E9000 - : Plasma went out unexpectedly; please refer to error message	NAH	iTEVA Control Center	
	08/14/2013 08:41:27	Plasma On	NAH	iTEVA Control Center	
	08/14/2013 08:41:34	E2208 - : Plasma ignition failed; RF seems OK. Check your sample intr	NAH	Analyst	
	08/14/2013 08:41:36	E9013 - : Plasma went out due to the water flow from chiller falling sinc	NAH	iTEVA Control Center	
	08/14/2013 08:42:10	Plasma On	NAH	iTEVA Control Center	
	08/14/2013 08:42:16	Plasma ignition successful	NAH	Analyst	
	08/14/2013 08:43:02	D33534 - Debug:Wavelength check : x = -1.290, y =2.052	NAH	Analyst	
	08/14/2013 08:45:37	Autosampler Run Started	NAH	Analyst	
	08/14/2013 08:45:37	Sequence Started	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:46:00	Running Blank (1)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:46:27	Closing will close the method and all associated samples.	NAH	Analyst	
	08/14/2013 08:47:00	Running CalibStd-0.5 (2)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:47:58	Running CalibStd-1.0 (3)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:48:56	Running CalibStd-5 (4)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:49:54	Running CalibStd-10 (5)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:50:52	Running CalibStd-50 (6)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:51:51	Running CalibStd-100 (7)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:52:48	Running CalibStd-200 (8)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:53:54	Running CalibStd-500 (9)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:55:05	Running icv (10)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:56:02	Running icb (11)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:57:02	Running icsa (12)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:58:14	Running icsab (13)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 08:59:24	Running mrl (16)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:00:22	Running 336999lcss 45430 (1)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:01:26	Running 336998mbs 45430 (2)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:02:24	Running 335708 (3)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:03:19	Running mss335708 (4)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:04:21	Running msds335708 (5)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:05:24	Running pdss335708 (6)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:06:25	Running 335709 (7)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:07:27	Running 335710 (8)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:08:21	Running 336899lcsw 45422 (9)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:09:25	Running 336898mbw 45422 (10)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:10:25	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:11:22	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:12:22	Running 336376 (11)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:13:18	Running l336376 (12)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:14:15	Running dup336376 (13)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:15:11	Running msw336376 (14)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:16:15	Running msdw336376 (15)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:17:19	Running pdsw336376 (16)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:18:15	Running 336382 (17)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:19:10	Running 336388 (18)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:20:07	Running 336394 (19)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:21:03	Running 336396 (20)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:22:02	Running ccv (14)	NAH	Analyst	S_Sodium and Pota

Type	Date/Time	Message	User name	Application	Sequence Name
	08/14/2013 09:22:59	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:23:58	Running 336398 (21)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:24:54	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:25:52	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:26:46	Autosampler Run Completed	NAH	Analyst	S_Sodium and Pota
	08/14/2013 09:45:36	Plasma extinguished successfully	NAH	Analyst	
	08/14/2013 09:45:37	Plasma off	NAH	iTEVA Control Center	
	08/19/2013 12:57:02	iTEVA loaded	NAH	iTEVA Control Center	
	08/19/2013 12:57:20	Connected to instrument 20070314	NAH	iTEVA Control Center	
	08/20/2013 06:43:35	Plasma On	NAH	iTEVA Control Center	
	08/20/2013 06:43:40	Plasma ignition successful	NAH	Analyst	
	08/20/2013 06:44:27	D33534 - Debug:Wavelength check : x = -1.099, y =2.388	NAH	Analyst	
	08/20/2013 09:38:39	Autosampler Run Started	NAH	Analyst	
	08/20/2013 09:38:39	Sequence Started	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:39:03	Running Blank (1)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:40:06	Running CalibStd-0.5 (2)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:41:08	Running CalibStd-1.0 (3)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:42:06	Running CalibStd-5 (4)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:43:03	Running CalibStd-10 (5)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:44:02	Running CalibStd-50 (6)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:45:00	Running CalibStd-100 (7)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:45:57	Running CalibStd-200 (8)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:47:03	Running CalibStd-500 (9)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:48:17	Running icv (10)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:49:15	Running icvLL (17)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:50:12	Running icb (11)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:51:11	Running mrl (16)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:52:08	Running icsa (12)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:53:21	Running icsab (13)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:54:32	Running lod check1 (1)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:55:30	Running lcsw45498 (2)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:56:33	Running mbw45498 (3)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:57:32	Running 339570 (4)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:58:29	Running l339570 (5)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 09:59:26	Running dup339570 (6)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:00:22	Running msw339570 (7)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:01:27	Running msdw339570 (8)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:02:31	Running pdsw339570 (9)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:03:27	Running lcsw45497 (10)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:04:32	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:05:29	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:06:29	Running mbw45497 (11)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:07:28	Running 339561 (12)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:08:27	Running l339561 (13)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:09:26	Running dup339561 (14)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:10:25	Running msw339561 (15)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:11:30	Running msdw339561 (16)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:12:34	Running pdsw339561 (17)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:13:32	Running lcsw45478/83 (18)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:14:36	Running mbw45478/83 (19)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:15:35	Running 338440 (20)	NAH	Analyst	S_Sodium and Pota

Type	Date/Time	Message	User name	Application	Sequence Name
	08/20/2013 10:16:40	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:17:37	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:18:37	Running msw338440 (21)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:19:50	Running msdw338440 (22)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:21:04	Running pdsw338440 (23)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:22:08	Running 338441 (24)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:23:04	Running 338442 (25)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:24:08	Running 338516 (26)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:25:08	Running lcsw45482 (27)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:26:12	Running mbw45482 (28)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:27:11	Running 339932 (29)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:28:07	Running l339932 (30)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:29:04	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:30:01	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:31:00	Running dup339932 (31)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:31:56	Running msw339932 (32)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:33:00	Running msdw339932 (33)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:34:05	Running pdsw339932 (34)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:35:01	Running lcsw45483 (35)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:36:06	Running mbw45483 (36)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:37:05	Running 338540 (37)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:38:01	Running l338540 (38)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:38:58	Running dup338540 (39)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:39:53	Running msw338540 (40)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:40:58	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:41:55	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:42:55	Running msdw338540 (41)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:43:59	Running pdsw338540 (42)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:44:55	Running lcss45471 (43)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:45:53	Running mbs45471 (44)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:46:52	Running 338447 (45)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:47:47	Running mss338447 (46)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:48:42	Running msds338447 (47)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:49:38	Running pdss338447 (48)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:50:34	Running lcsw45496 (49)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:51:38	Running mbw45496 (50)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:52:37	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:53:34	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:54:34	Running 339379 (51)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:55:38	Running msw339379 (52)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:56:51	Running msdw339379 (53)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:58:03	Running pdsw339379 (54)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 10:59:08	Running lcss44510 (55)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:00:11	Running mbs44510 (56)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:01:10	Running 337811 (57)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:02:13	Running 337812 (58)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:03:15	Running 337813 (59)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:04:18	Running 337815 (60)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:05:21	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:06:18	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:07:17	Running l337815 (61)	NAH	Analyst	S_Sodium and Pota

Type	Date/Time	Message	User name	Application	Sequence Name
	08/20/2013 11:08:21	Running dup337815 (62)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:09:23	Running mss337815 (63)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:10:26	Running msds337815 (64)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:11:29	Running pdss337815 (65)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:12:32	Running 337818 (66)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:13:34	Running 337820 (67)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:14:37	Running 337822 (68)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:15:40	Running 337824 (69)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:16:43	Running 337826 (70)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:17:45	Running ccv (18)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:18:42	Running ccb (19)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:19:41	Running 337828 (71)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:20:44	Running 337830 (72)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:21:47	Running 337832 (73)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:22:50	Running 337835 (74)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:23:53	Running lcss45512 (75)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:24:56	Running mbs45512 (76)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:25:56	Running 338369 (77)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:26:58	Running l338369 (78)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:28:01	Running dup338369 (79)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:29:04	Running mss338369 (80)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:30:05	Running ccv (18)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:31:03	Running ccb (19)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:32:03	Running msds338369 (81)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:33:06	Running pdss338369 (82)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:34:09	Running 338375 (83)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:35:11	Running lod chk2 (84)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:36:09	Running 338440 (20)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:37:05	Running msw338440 (21)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:38:01	Running msdw338440 (22)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:38:57	Running pdsw338440 (23)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:39:53	Running 338441 (24)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:40:49	Running 339379 (51)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:41:45	Running ccv (18)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:42:43	Running ccb (19)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:43:42	Running msw339379 (52)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:44:38	Running msdw339379 (53)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:45:33	Running pdsw339379 (54)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:46:29	Running mrl (16)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:47:27	Running ccv (18)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:48:24	Running ccb (19)	NAH	Analyst	S_Sodium and Pota
	08/20/2013 11:49:22	Plasma extinguished successfully	NAH	Analyst	
	08/20/2013 11:49:22	Plasma off	NAH	iTEVA Control Center	
	08/20/2013 11:49:24	Autosampler Run Completed	NAH	Analyst	S_Sodium and Pota
	08/23/2013 07:17:59	Plasma On	NAH	iTEVA Control Center	
	08/23/2013 07:18:05	Plasma ignition successful	NAH	Analyst	
	08/23/2013 07:18:51	D33534 - Debug:Wavelength check : x = -1.154, y =2.415	NAH	Analyst	
	08/23/2013 07:27:26	E9000 - : Plasma went out unexpectedly; please refer to error message	NAH	iTEVA Control Center	
	08/23/2013 07:28:22	Plasma ignition successful	NAH	Analyst	
	08/23/2013 07:29:05	D33534 - Debug:Wavelength check : x = -1.254, y =2.401	NAH	Analyst	
	08/23/2013 07:46:02	Plasma ignition successful	NAH	Analyst	

Type	Date/Time	Message	User name	Application	Sequence Name
	08/23/2013 07:46:48	D33534 - Debug:Wavelength check : x = -1.280, y =2.180	NAH	Analyst	
	08/23/2013 07:49:06	Autosampler Run Started	NAH	Analyst	
	08/23/2013 07:49:06	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 07:49:29	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 07:49:53	Plasma On	NAH	iTEVA Control Center	
	08/23/2013 07:51:34	Running CalibStd-1 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 07:51:50	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 07:52:30	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 07:52:30	Autosampler Run Started	NAH	Analyst	
	08/23/2013 07:52:53	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 07:54:55	Running CalibStd-1 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 07:57:00	Running CalibStd=5 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 07:59:05	Running CalibStd=10 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:01:10	Running CalibStd=20 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:03:15	Running CalibStd=50 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:05:00	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:07:33	Autosampler Run Started	NAH	Analyst	
	08/23/2013 08:07:33	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:07:57	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:10:01	Running CalibStd-1 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:12:05	Running CalibStd=5 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:14:10	Running CalibStd=10 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:16:16	Running CalibStd=50 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:18:21	Running CalibStd=100 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:20:27	Running CalibStd=1000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:22:31	Running CalibStd=10000 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:24:33	Running CalibStd-100k (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:26:35	Running CalibStd=500000 (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:28:37	Running CalibStd-1000k (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:30:56	Running ICV1 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:33:00	Running ICV2 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:35:06	Running icvLL (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:37:10	Running icb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:39:15	Running MRL (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:41:21	Running icsa (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:43:25	Running icsab (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:45:27	Running idc1 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:47:29	Running idc2 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:49:32	Running idc3 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:51:34	Running idc4 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:53:36	Running MRL (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:55:41	Running CCV1 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:57:45	Running CCV2 (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 08:58:22	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:08:27	D33534 - Debug:Wavelength check : x = -1.120, y =1.972	NAH	Analyst	
	08/23/2013 09:11:19	Auto Peak	NAH	Analyst	
	08/23/2013 09:12:36	Auto Peak	NAH	Analyst	
	08/23/2013 09:13:38	Auto Peak	NAH	Analyst	
	08/23/2013 09:14:37	Autosampler Run Started	NAH	Analyst	
	08/23/2013 09:14:37	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:15:00	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/23/2013 09:15:16	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:15:24	Plasma extinguished successfully	NAH	Analyst	
	08/23/2013 09:15:24	Plasma off	NAH	iTEVA Control Center	
	08/23/2013 09:21:56	Plasma On	NAH	iTEVA Control Center	
	08/23/2013 09:22:01	Plasma ignition successful	NAH	Analyst	
	08/23/2013 09:22:04	E9006 - : Plasma went out unexpectedly; RF reported over current failu	NAH	iTEVA Control Center	
	08/23/2013 09:22:15	E1133 - : Plasma went out during the exposure; please refer to error m	NAH	Analyst	
	08/23/2013 09:22:50	Plasma On	NAH	iTEVA Control Center	
	08/23/2013 09:22:55	Plasma ignition successful	NAH	Analyst	
	08/23/2013 09:23:39	D33534 - Debug:Wavelength check : x = -0.762, y =1.871	NAH	Analyst	
	08/23/2013 09:30:03	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:30:03	Autosampler Run Started	NAH	Analyst	
	08/23/2013 09:30:26	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:32:30	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:34:35	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:36:40	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:38:45	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:40:51	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:42:57	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:44:59	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:47:01	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:49:12	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:51:31	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:53:35	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:55:41	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:57:45	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 09:59:50	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 10:01:55	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 10:04:07	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 10:06:17	Running idc1 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 10:08:19	Running idc2 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 10:10:22	Running idc3 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 10:12:24	Running idc4 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 10:14:26	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 10:16:31	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 10:18:35	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 10:20:40	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 10:22:41	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 10:34:31	Plasma off	NAH	iTEVA Control Center	
	08/23/2013 10:34:31	Plasma extinguished successfully	NAH	Analyst	
	08/23/2013 10:41:42	Plasma On	NAH	iTEVA Control Center	
	08/23/2013 10:41:47	Plasma ignition successful	NAH	Analyst	
	08/23/2013 10:42:34	D33534 - Debug:Wavelength check : x = -0.567, y =1.759	NAH	Analyst	
	08/23/2013 10:46:10	E9000 - : Plasma went out unexpectedly; please refer to error message	NAH	iTEVA Control Center	
	08/23/2013 10:47:05	Plasma On	NAH	iTEVA Control Center	
	08/23/2013 10:47:11	Plasma ignition successful	NAH	Analyst	
	08/23/2013 10:47:55	D33534 - Debug:Wavelength check : x = -0.533, y =1.856	NAH	Analyst	
	08/23/2013 11:00:02	E1133 - : Plasma went out during the exposure; please refer to error m	NAH	Analyst	
	08/23/2013 11:00:02	E9000 - : Plasma went out unexpectedly; please refer to error message	NAH	iTEVA Control Center	
	08/23/2013 11:03:54	Plasma On	NAH	iTEVA Control Center	
	08/23/2013 11:04:00	Plasma ignition successful	NAH	Analyst	

Type	Date/Time	Message	User name	Application	Sequence Name
	08/23/2013 11:04:47	D33534 - Debug:Wavelength check : x = -0.484, y =1.879	NAH	Analyst	
	08/23/2013 11:19:13	Torch alignment successfully completed.	NAH	Analyst	
	08/23/2013 11:20:05	E9000 - : Plasma went out unexpectedly; please refer to error message	NAH	iTEVA Control Center	
	08/23/2013 11:20:45	Plasma On	NAH	iTEVA Control Center	
	08/23/2013 11:20:51	Plasma ignition successful	NAH	Analyst	
	08/23/2013 11:21:37	D33534 - Debug:Wavelength check : x = -0.500, y =1.818	NAH	Analyst	
	08/23/2013 11:22:52	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:22:52	Autosampler Run Started	NAH	Analyst	
	08/23/2013 11:23:16	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:25:20	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:27:25	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:28:06	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:28:31	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:28:31	Autosampler Run Started	NAH	Analyst	
	08/23/2013 11:28:54	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:30:56	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:33:01	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:35:06	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:37:12	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:39:17	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:41:23	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:43:22	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:45:24	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:47:40	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:49:07	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:49:25	E9000 - : Plasma went out unexpectedly; please refer to error message	NAH	iTEVA Control Center	
	08/23/2013 11:50:06	Plasma On	NAH	iTEVA Control Center	
	08/23/2013 11:50:13	Plasma ignition successful	NAH	Analyst	
	08/23/2013 11:50:56	D33534 - Debug:Wavelength check : x = -0.493, y =1.772	NAH	Analyst	
	08/23/2013 11:54:37	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:54:37	Autosampler Run Started	NAH	Analyst	
	08/23/2013 11:55:00	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:57:04	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 11:59:09	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:01:14	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:03:19	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:05:24	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:06:39	Closing will close the method and all associated samples.	NAH	Analyst	
	08/23/2013 12:06:49	Closing will close the method and all associated samples.	NAH	Analyst	
	08/23/2013 12:07:31	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:09:33	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:11:34	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:13:44	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:16:03	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:18:07	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:20:12	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:22:17	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:24:22	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:26:27	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:28:39	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:30:49	Running idc mds1 (1)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/23/2013 12:32:52	Running idc mds2 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:34:54	Running idc mds3 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:36:56	Running idc mds4 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:38:59	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:41:04	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:43:08	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:45:13	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/23/2013 12:47:17	Plasma extinguished successfully	NAH	Analyst	
	08/23/2013 12:47:18	Plasma off	NAH	iTEVA Control Center	
	08/23/2013 12:47:19	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 09:20:12	Plasma On	NAH	iTEVA Control Center	
	08/24/2013 09:20:17	Plasma ignition successful	NAH	Analyst	
	08/24/2013 09:21:04	D33534 - Debug:Wavelength check : x = -1.199, y =2.420	NAH	Analyst	
	08/24/2013 10:56:44	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 10:56:44	Autosampler Run Started	NAH	Analyst	
	08/24/2013 10:57:08	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 10:59:12	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:01:16	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:03:22	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:05:27	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:07:33	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:09:39	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:11:41	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:13:43	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:15:54	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:18:12	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:20:16	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:22:21	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:24:26	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:26:31	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:28:37	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:30:47	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:32:57	Running 342494lcss 45587 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:35:01	Running 342493mbs 45587 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:37:06	Running 341806 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:39:05	Running l341806 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:41:07	Running dup341806 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:43:07	Running mss341806 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:45:05	Running msds341806 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:47:04	Running pdss341806 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:49:01	Running 341807 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:51:00	Running 341808 (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:53:08	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:55:11	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:57:17	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 11:59:22	Running 341809 (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:01:21	Running 341810 (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:03:20	Running 341811 (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:05:28	Running 341812 (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:07:28	Running 341813 (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:09:26	Running 341814 (16)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/24/2013 12:11:26	Running 341815 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:13:26	Running 341816 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:15:25	Running 341817 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:17:24	Running 341818 (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:19:23	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:21:27	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:23:32	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:25:37	Running 341819 (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:27:38	Running 341820 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:29:38	Running 341821 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:31:39	Running 341822 (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:33:38	Running 341823 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:35:37	Running 341824 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:37:35	Running 341825 (27)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:39:35	Running 342445lcss 45579 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:41:39	Running 342444mbs 45579 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:43:44	Running 341614 (30)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:45:42	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:47:46	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:49:51	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:51:56	Running 341619 (31)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:53:56	Running 341620 (32)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:56:05	Running 341621 (33)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 12:58:05	Running 341622 (34)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:00:05	Running 341623 (35)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:02:05	Running 341624 (36)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:04:06	Running 341625 (37)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:06:12	Running 341626 (38)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:08:17	Running 341627 (39)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:10:23	Running l341627 (40)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:12:28	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:14:34	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:16:39	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:18:44	Running dup341627 (41)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:20:49	Running mss341627 (42)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:22:54	Running msds341627 (43)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:25:00	Running pdss341627 (44)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:27:05	Running 341628 (45)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:29:11	Running 341629 (46)	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:29:29	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/24/2013 13:38:58	Plasma extinguished successfully	NAH	Analyst	
	08/24/2013 13:38:59	Plasma off	NAH	iTEVA Control Center	
	08/25/2013 07:37:14	Plasma On	NAH	iTEVA Control Center	
	08/25/2013 07:37:20	Plasma ignition successful	NAH	Analyst	
	08/25/2013 07:38:07	D33534 - Debug:Wavelength check : x = -1.232, y =2.442	NAH	Analyst	
	08/25/2013 07:52:37	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 07:52:37	Autosampler Run Started	NAH	Analyst	
	08/25/2013 07:53:00	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 07:53:50	Closing will close the method and all associated samples.	NAH	Analyst	
	08/25/2013 07:54:18	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 07:55:12	Autosampler Run Started	NAH	Analyst	

Type	Date/Time	Message	User name	Application	Sequence Name
	08/25/2013 07:55:12	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 07:55:34	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 07:55:41	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 07:57:14	E9006 - : Plasma went out unexpectedly; RF reported over current failu	NAH	iTEVA Control Center	
	08/25/2013 07:58:05	Plasma On	NAH	iTEVA Control Center	
	08/25/2013 07:58:11	Plasma ignition successful	NAH	Analyst	
	08/25/2013 07:58:58	D33534 - Debug:Wavelength check : x = -1.290, y =2.402	NAH	Analyst	
	08/25/2013 07:59:24	Autosampler Run Started	NAH	Analyst	
	08/25/2013 07:59:24	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 07:59:47	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:01:44	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:03:42	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:05:40	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:07:38	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:07:52	Closing will close the method and all associated samples.	NAH	Analyst	
	08/25/2013 08:08:00	Closing will close the method and all associated samples.	NAH	Analyst	
	08/25/2013 08:09:37	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:11:35	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:13:30	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:15:25	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:17:28	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:19:40	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:21:36	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:23:34	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:25:32	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:27:30	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:29:28	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:31:32	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:33:36	Running 341619 (31)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:35:29	Running 341620 (32)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:37:31	Running 341621 (33)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:39:25	Running 341622 (34)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:41:17	Running 341623 (35)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:43:11	Running 341624 (36)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:45:13	Running 341625 (37)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:47:05	Running 341626 (38)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:48:59	Running 341627 (39)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:50:54	Running l341627 (40)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:52:49	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:54:46	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:56:44	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 08:58:43	Running dup341627 (41)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:00:38	Running mss341627 (42)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:02:30	Running msds341627 (43)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:04:20	Running pdss341627 (44)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:06:11	Running 341628 (45)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:08:04	Running 341629 (46)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:09:56	Running 341630 (47)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:11:50	Running 341631 (48)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:13:44	Running 341632 (49)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:15:37	Running 341633 (50)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/25/2013 09:17:30	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:19:26	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:21:25	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:23:23	Running 341634 (51)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:23:33	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:25:17	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:25:17	Autosampler Run Started	NAH	Analyst	
	08/25/2013 09:25:40	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:27:35	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:29:33	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:31:31	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:33:29	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:35:28	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:37:27	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:39:23	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:41:18	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:43:21	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:45:32	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:47:29	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:49:27	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:51:25	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:53:23	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:55:21	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:55:34	Closing will close the method and all associated samples.	NAH	Analyst	
	08/25/2013 09:57:25	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 09:59:29	Running 341634 (51)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:01:23	Running 341635 (52)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:03:18	Running 341636 (53)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:05:10	Running 341637 (54)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:07:06	Running l341637 (55)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:09:01	Running dup341637 (56)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:11:05	Running mss341637 (57)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:12:56	Running msds341637 (58)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:14:47	Running pdss341637 (59)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:16:38	Running 342453lcss 45580 (60)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:18:34	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:20:31	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:22:29	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:24:27	Running 342452mbs 45580 (61)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:26:26	Running 341638 (62)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:28:19	Running 341639 (63)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:30:14	Running 341640 (64)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:32:08	Running 341641 (65)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:34:00	Running 341642 (66)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:35:54	Running 341643 (67)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:37:49	Running 341644 (68)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:39:44	Running 341645 (69)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:41:37	Running 341646 (70)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:43:31	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:45:28	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:47:26	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/25/2013 10:49:25	Running 341647 (71)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:51:27	Running 341648 (72)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:53:20	Running 341649 (73)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:55:13	Running 341650 (74)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:57:08	Running 341651 (75)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 10:59:02	Running 341652 (76)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:00:54	Running 341653 (77)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:02:47	Running 341654 (78)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:04:40	Running 341655 (79)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:06:34	Running 341656 (80)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:08:28	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:10:25	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:12:23	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:14:21	Running 341657 (81)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:16:15	Running l341657 (82)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:18:12	Running dup341657 (83)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:20:07	Running mss341657 (84)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:21:58	Running msds341657 (85)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:23:49	Running pdss341657 (86)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:25:39	Running 342458lcss 45581 (87)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:27:36	Running 342457mbs 45581 (88)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:29:35	Running 341658 (89)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:31:28	Running l341658 (90)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:33:23	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:35:20	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:37:18	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:39:17	Running dup341658 (91)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:41:09	Running mss341658 (92)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:43:01	Running msds341658 (93)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:44:53	Running pdss341658 (94)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:46:43	Running 341659 (95)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:48:36	Running 341660 (96)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:50:30	Running 341661 (97)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:52:32	Running 341662 (98)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:54:26	Running 341663 (99)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:56:30	Running 341664 (100)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 11:58:24	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:00:19	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:02:17	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:04:16	Running 341665 (101)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:06:11	Running 341666 (102)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:08:03	Running 341667 (103)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:09:56	Running 341668 (104)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:11:51	Running 341669 (105)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:13:54	Running 341670 (106)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:15:58	Running 341671 (107)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:17:58	Running 341672 (108)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:19:54	Running 341673 (109)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:21:58	Running 341674 (110)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:23:51	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:25:47	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/25/2013 12:27:45	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:29:45	Running 341675 (111)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:31:40	Running 341676 (112)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:33:35	Running 341677 (113)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:35:29	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:37:26	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:39:22	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:41:21	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/25/2013 12:43:19	Plasma off	NAH	iTEVA Control Center	
	08/25/2013 12:43:19	Plasma extinguished successfully	NAH	Analyst	
	08/25/2013 12:43:21	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/26/2013 06:39:30	Plasma On	NAH	iTEVA Control Center	
	08/26/2013 06:39:36	Plasma ignition successful	NAH	Analyst	
	08/26/2013 06:40:22	D33534 - Debug:Wavelength check : x = -1.283, y =2.520	NAH	Analyst	
	08/26/2013 09:33:03	Sequence Started	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:33:03	Autosampler Run Started	NAH	Analyst	
	08/26/2013 09:33:26	Running Blank (1)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:34:26	Running CalibStd-0.5 (2)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:35:25	Running CalibStd-1.0 (3)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:36:23	Running CalibStd-5 (4)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:37:20	Running CalibStd-10 (5)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:38:18	Running CalibStd-50 (6)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:39:16	Running CalibStd-100 (7)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:40:14	Running CalibStd-200 (8)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:41:11	Running CalibStd-500 (9)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:42:14	Running icv (10)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:43:11	Running icvLL (17)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:44:08	Running icb (11)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:45:07	Running mrl (16)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:46:05	Running icsa (12)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:47:08	Running icsab (13)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:48:11	Running 340803lcsw 45555 (1)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:49:14	Running 340802mbw 45555 (2)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:50:12	Running 340167 (3)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:51:08	Running l340167 (4)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:52:04	Running dup340167 (5)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:53:00	Running msw340167 (6)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:54:05	Running msdw340167 (7)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:55:09	Running pdsw340167 (8)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:56:05	Running 340965 (9)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:57:02	Running 340983 (10)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:57:59	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:58:56	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 09:59:55	Running 340989 (11)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 10:00:53	Running 340995 (12)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 10:01:49	Running 340997 (13)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 10:02:48	Running 340999 (14)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 10:03:43	Running mrl (16)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 10:04:42	Running ccv (14)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 10:05:38	Running ccb (15)	NAH	Analyst	S_Sodium and Pota
	08/26/2013 10:06:33	Autosampler Run Completed	NAH	Analyst	S_Sodium and Pota

Type	Date/Time	Message	User name	Application	Sequence Name
	08/26/2013 11:39:34	Plasma off	NAH	iTEVA Control Center	
	08/26/2013 11:39:34	Plasma extinguished successfully	NAH	Analyst	
	08/27/2013 08:48:02	E2209 - : Plasma ignition failed; low ignition current. If the condition per	NAH	Analyst	
	08/27/2013 08:48:51	Plasma On	NAH	iTEVA Control Center	
	08/27/2013 08:48:57	Plasma ignition successful	NAH	Analyst	
	08/27/2013 08:49:44	D33534 - Debug:Wavelength check : x = -1.052, y =2.272	NAH	Analyst	
	08/27/2013 13:53:21	Autosampler Run Started	NAH	Analyst	
	08/27/2013 13:53:21	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 13:53:44	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 13:55:36	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 13:57:28	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 13:59:21	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:01:13	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:03:05	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:04:57	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:06:47	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:08:33	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:10:30	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:12:36	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:14:27	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:16:19	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:18:11	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:20:03	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:21:55	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:23:51	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:25:48	Running 342519lcss 45592 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:27:39	Running 342518mbs 45592 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:29:31	Running 341927 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:31:18	Running 341928 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:33:12	Running 341929 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:34:58	Running 341986 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:36:46	Running 341988 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:38:32	Running 341989 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:40:19	Running 341990 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:42:14	Running 341991 (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:44:02	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:45:51	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:47:44	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:49:36	Running 341992 (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:51:22	Running 341993 (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:53:10	Running 341994 (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:54:59	Running l341994 (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:56:47	Running dup341994 (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 14:58:36	Running mss341994 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:00:20	Running msds341994 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:02:05	Running pdss341994 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:03:49	Running 341995 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:05:37	Running 341996 (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:07:25	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:09:15	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:11:07	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/27/2013 15:13:00	Running 341997 (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:14:46	Running 341998 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:16:34	Running 341999 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:18:21	Running 342000 (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:20:07	Running 342001 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:21:54	Running 342002 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:23:42	Running 342003 (27)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:25:30	Running 342524lcss 45593 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:27:21	Running 342523mbs 45593 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:29:13	Running 342004 (30)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:31:00	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:32:51	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:34:42	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:36:35	Running l342004 (31)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:38:25	Running dup342004 (32)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:40:20	Running mss342004 (33)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:42:04	Running msds342004 (34)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:43:48	Running pdss342004 (35)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:45:32	Running 342005 (36)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:47:25	Running 342006 (37)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:49:19	Running 342007 (38)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:51:15	Running 342008 (39)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:53:10	Running 342009 (40)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:54:56	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:56:47	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 15:58:39	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:00:31	Running 342010 (41)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:02:16	Running 342011 (42)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:04:03	Running 342012 (43)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:05:49	Running 342013 (44)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:07:35	Running 342014 (45)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:09:21	Running 342015 (46)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:11:07	Running 342016 (47)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:12:53	Running 342017 (48)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:14:39	Running 342018 (49)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:16:25	Running 342019 (50)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:18:12	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:20:02	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:21:54	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:23:46	Running 342020 (51)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:25:41	Running 342021 (52)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:27:26	Running 342022 (53)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:29:12	Running 342023 (54)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:31:09	Running 342529lcss 45594 (55)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:32:59	Running 342528mbs 45594 (56)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:34:51	Running 342024 (57)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:36:48	Running 342025 (58)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:38:44	Running 342026 (59)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:40:41	Running 342027 (60)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:42:38	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:44:28	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/27/2013 16:46:20	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:48:12	Running 342028 (61)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:50:08	Running 342029 (62)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:51:56	Running l342029 (63)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:53:47	Running dup342029 (64)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:55:34	Running mss342029 (65)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:57:19	Running msds342029 (66)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 16:59:04	Running pdss342029 (67)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:00:48	Running 342030 (68)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:02:36	Running 342031 (69)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:04:23	Running 342032 (70)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:06:11	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:08:01	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:09:53	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:11:45	Running 342033 (71)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:13:32	Running 342034 (72)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:15:19	Running 342035 (73)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:17:04	Running 342036 (74)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:18:49	Running 342037 (75)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:20:34	Running 342038 (76)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:22:20	Running 342039 (77)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:24:14	Running 342040 (78)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:26:00	Running 342041 (79)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:27:54	Running 342042 (80)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:29:42	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:31:32	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:33:24	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:35:16	Running 342043 (81)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:37:01	Running 343095lcss 45599 (82)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:38:52	Running 343094mbs 45599 (83)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:40:44	Running 342044 (84)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:42:30	Running 342045 (85)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:44:26	Running 342046 (86)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:46:11	Running 342047 (87)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:47:59	Running 342048 (88)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:49:45	Running 342049 (89)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:51:30	Running 342050 (90)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:53:17	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:55:07	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:56:59	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 17:58:51	Running 342051 (91)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:00:39	Running 342052 (92)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:02:26	Running l342052 (93)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:04:17	Running dup342052 (94)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:06:04	Running mss342052 (95)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:07:49	Running msds342052 (96)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:09:33	Running pdss342052 (97)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:11:18	Running 342563 (98)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:13:04	Running 342564 (99)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:14:49	Running 342565 (100)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:16:36	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/27/2013 18:18:27	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:20:18	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:22:11	Running 342566 (101)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:23:56	Running 342567 (102)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:25:42	Running 342568 (103)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:27:28	Running 342569 (104)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:29:13	Running 342570 (105)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:31:00	Running 342571 (106)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:32:48	Running 342572 (107)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:34:36	Running 342573 (108)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:36:21	Running 343100lcss 45600 (109)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:38:12	Running 343099mbs 45600 (110)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:40:04	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:41:54	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:43:46	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:45:38	Running 342574 (111)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:47:23	Running 342575 (112)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:49:10	Running 342576 (113)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:50:55	Running 342577 (114)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:52:40	Running 342578 (115)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:54:25	Running 342579 (116)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:56:19	Running 342580 (117)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:58:10	Running 342581 (118)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 18:59:56	Running 342582 (119)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:01:42	Running l342582 (120)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:03:33	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:05:23	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:07:15	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:09:07	Running dup342582 (121)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:10:54	Running mss342582 (122)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:12:39	Running msds342582 (123)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:14:23	Running pdss342582 (124)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:16:08	Running 342583 (125)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:17:55	Running 342584 (126)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:19:40	Running 342585 (127)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:21:27	Running 342586 (128)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:23:14	Running 342587 (129)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:25:01	Running 342588 (130)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:26:48	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:28:38	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:30:30	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:32:22	Running l342588 (131)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:34:13	Running dup342588 (132)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:36:00	Running mss342588 (133)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:37:44	Running msds342588 (134)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:39:29	Running pdss342588 (135)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:41:13	Running 342589 (136)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:42:59	Running 342590 (137)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:44:46	Running 342591 (138)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:46:31	Running 342592 (139)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:48:17	Running 342593 (140)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/27/2013 19:50:02	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:51:52	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:53:44	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:55:36	Running 343109lcss 45601 (141)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:57:27	Running 343108mbs 45601 (142)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 19:59:19	Running 342594 (143)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:01:04	Running 342595 (144)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:02:51	Running 342596 (145)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:04:38	Running 342597 (146)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:06:24	Running 342598 (147)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:08:11	Running 342599 (148)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:09:57	Running 342600 (149)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:11:43	Running 342601 (150)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:13:28	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:15:17	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:17:09	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:19:01	Running 342602 (151)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:20:47	Running 342603 (152)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:22:33	Running 342604 (153)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:24:27	Running 342605 (154)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:26:18	Running 342606 (155)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:28:03	Running 342607 (156)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:29:50	Running 342608 (157)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:31:35	Running 342609 (158)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:33:21	Running l342609 (159)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:35:08	Running dup342609 (160)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:36:53	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:38:42	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:40:35	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:42:27	Running mss342609 (161)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:44:11	Running msds342609 (162)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:45:55	Running pdss342609 (163)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:47:40	Running 342610 (164)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:49:26	Running 342611 (165)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:51:20	Running 342612 (166)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:53:06	Running 342613 (167)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:54:54	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:56:47	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 20:58:37	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 21:00:29	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	08/27/2013 21:02:21	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:30:00	Autosampler Run Started	NAH	Analyst	
	08/28/2013 09:30:00	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:30:18	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:32:10	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:34:02	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:35:54	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:37:46	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:39:38	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:41:30	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:43:18	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/28/2013 09:45:06	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:47:03	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:49:08	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:51:00	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:52:50	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:54:41	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:56:33	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 09:58:25	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:00:22	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:02:19	Running 342602 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:04:05	Running 342603 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:05:52	Running 342604 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:07:47	Running 342605 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:09:42	Running 342606 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:11:28	Running 342607 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:13:15	Running 342608 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:15:00	Running 342609 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:16:47	Running l342609 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:18:34	Running dup342609 (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:20:26	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:22:16	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:24:08	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:26:00	Running mss342609 (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:27:44	Running msds342609 (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:29:28	Running pdss342609 (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:31:12	Running 342610 (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:32:58	Running 342611 (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:34:52	Running 342612 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:36:38	Running 342613 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:38:26	Running 343175lcss 45608 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:40:16	Running 343174mbs 45608 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:42:08	Running 342734 (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:43:55	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:45:45	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:47:37	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:49:29	Running 342735 (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:51:16	Running 342736 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:53:04	Running 342737 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:54:52	Running l342737 (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:56:41	Running dup342737 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 10:58:27	Running mss342737 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:00:11	Running msds342737 (27)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:01:55	Running pdss342737 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:03:39	Running 342738 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:05:26	Running l342738 (30)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:07:16	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:09:06	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:10:58	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:12:51	Running dup342738 (31)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:14:37	Running mss342738 (32)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:16:21	Running msds342738 (33)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/28/2013 11:18:05	Running pdss342738 (34)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:19:49	Running 342739 (35)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:21:36	Running 342740 (36)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:23:21	Running 342741 (37)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:25:09	Running 342742 (38)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:26:56	Running 342743 (39)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:28:42	Running 342744 (40)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:30:37	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:32:27	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:34:20	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:36:12	Running 342745 (41)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:38:07	Running 342746 (42)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:39:53	Running 342747 (43)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:41:41	Running 342748 (44)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:43:36	Running 342749 (45)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:45:24	Running 342750 (46)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:47:12	Running 342751 (47)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:48:59	Running 342752 (48)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:50:46	Running 342753 (49)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:52:42	Running 343183lcss 45609 (50)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:54:33	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:56:23	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 11:58:15	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:00:07	Running 343182mbs 45609 (51)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:01:59	Running 342754 (52)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:03:46	Running l342754 (53)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:05:36	Running dup342754 (54)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:07:24	Running mss342754 (55)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:09:08	Running msds342754 (56)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:10:52	Running pdss342754 (57)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:12:36	Running 342755 (58)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:14:23	Running 342756 (59)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:16:10	Running 342757 (60)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:17:56	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:19:47	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:21:38	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:23:30	Running 342758 (61)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:23:45	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:50:42	Autosampler Run Started	NAH	Analyst	
	08/28/2013 12:50:42	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:51:00	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:52:50	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:54:42	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:56:34	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 12:58:26	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:00:19	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:02:10	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:03:58	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:05:45	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:07:42	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:09:48	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/28/2013 13:11:39	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:13:29	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:15:21	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:17:14	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:19:06	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:21:03	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:23:00	Running 342758 (61)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:24:48	Running 342759 (62)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:26:35	Running 342788 (63)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:28:23	Running 342789 (64)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:30:09	Running 342790 (65)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:31:56	Running 342791 (66)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:33:51	Running 342792 (67)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:35:46	Running 342793 (68)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:37:40	Running 342794 (69)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:39:27	Running 342795 (70)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:41:14	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:43:04	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:44:56	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:46:48	Running 342796 (71)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:48:35	Running 342797 (72)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:50:30	Running 342798 (73)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:52:16	Running 342799 (74)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:54:04	Running 342800 (75)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:56:00	Running 342801 (76)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:57:46	Running 343188lcss 45610 (77)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 13:59:37	Running 343187mbs 45610 (78)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:01:29	Running 342802 (79)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:03:16	Running 342803 (80)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:05:01	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:06:51	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:08:44	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:10:36	Running 342804 (81)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:12:31	Running 342805 (82)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:14:17	Running 342806 (83)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:16:04	Running 342807 (84)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:17:51	Running 342808 (85)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:19:37	Running 342809 (86)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:21:23	Running l342809 (87)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:23:12	Running dup342809 (88)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:24:59	Running mss342809 (89)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:26:43	Running msds342809 (90)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:28:27	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:30:17	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:32:09	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:34:01	Running pdss342809 (91)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:35:45	Running 342810 (92)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:37:30	Running 342811 (93)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:39:15	Running 342812 (94)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:41:01	Running 342813 (95)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:42:46	Running 342814 (96)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/28/2013 14:44:33	Running 342815 (97)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:46:19	Running 342816 (98)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:48:05	Running 342817 (99)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:49:51	Running 342818 (100)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:51:37	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:53:28	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:55:20	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:57:12	Running 342819 (101)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 14:58:58	Running 342820 (102)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:00:46	Running 342821 (103)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:02:41	Running 343193lcss 45611 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:04:32	Running 343192mbs 45611 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:06:24	Running 342822 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:08:19	Running 342823 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:10:08	Running l342823 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:11:57	Running dup342823 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:13:49	Running mss342823 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:15:33	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:17:23	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:19:15	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:21:07	Running msds342823 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:22:57	Running pdss342823 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:24:41	Running 342824 (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:26:36	Running 342825 (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:28:31	Running 342826 (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:30:26	Running 342827 (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:32:12	Running 342828 (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:33:59	Running 342829 (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:35:47	Running 342830 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:37:34	Running 342831 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:39:20	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:41:10	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:43:02	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:44:54	Running 342832 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:46:39	Running 342833 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:48:25	Running 342834 (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:50:13	Running 342835 (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:51:58	Running 342836 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:53:43	Running 342837 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:55:36	Running 342838 (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:57:21	Running 342839 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 15:59:08	Running 342840 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:01:03	Running 342841 (27)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:02:48	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:04:38	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:06:31	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:08:23	Running 343691lcss 45614 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:10:13	Running 343690mbs 45614 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:12:06	Running 342842 (30)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:13:51	Running 342843 (31)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:15:37	Running 342844 (32)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/28/2013 16:17:22	Running 342845 (33)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:19:07	Running 342846 (34)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:20:52	Running 342847 (35)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:22:37	Running 342848 (36)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:24:22	Running 342849 (37)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:26:07	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:27:57	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:29:49	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:31:41	Running 342850 (38)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:33:28	Running 342851 (39)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:35:13	Running 342852 (40)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:37:08	Running 342853 (41)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:39:00	Running l342853 (42)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:40:48	Running dup342853 (43)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:42:34	Running mss342853 (44)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:44:26	Running msds342853 (45)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:46:10	Running pdss342853 (46)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:47:54	Running 343288 (47)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:49:42	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:51:32	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:53:24	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:55:17	Running 343289 (48)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:57:02	Running 343290 (49)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 16:58:47	Running 343291 (50)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:00:32	Running 343292 (51)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:02:17	Running 343293 (52)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:04:02	Running 343294 (53)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:05:56	Running 343295 (54)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:07:51	Running 343701lcss 45615 (55)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:09:42	Running 343700mbs 45615 (56)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:11:34	Running 343296 (57)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:13:29	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:15:19	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:17:11	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:19:03	Running 343297 (58)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:20:50	Running 343298 (59)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:22:45	Running 343299 (60)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:24:39	Running 343300 (104)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:26:27	Running 343301 (105)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:28:13	Running 343302 (106)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:29:59	Running 343303 (107)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:31:46	Running 343304 (108)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:33:32	Running 343305 (109)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:35:18	Running 343306 (110)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:37:05	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:38:55	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:40:47	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:42:39	Running 343307 (111)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:44:26	Running 343308 (112)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:46:12	Running l343308 (113)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:48:03	Running dup343308 (114)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/28/2013 17:49:50	Running mss343308 (115)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:51:34	Running msds343308 (116)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:53:17	Running pdss343308 (117)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:55:01	Running 343309 (118)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:56:48	Running 343310 (119)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 17:58:34	Running 343311 (120)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:00:22	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:02:12	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:04:05	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:05:57	Running 343312 (121)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:07:42	Running 343313 (122)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:09:29	Running 343314 (123)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:11:17	Running 343315 (124)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:13:04	Running lcss45616 (125)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:14:55	Running mbs45616 (126)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:16:47	Running 343316 (127)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:18:35	Running 343317 (128)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:20:23	Running 343318 (129)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:22:08	Running 343319 (130)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:23:56	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:25:46	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:27:38	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:29:31	Running 343320 (131)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:31:17	Running 343321 (132)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:33:05	Running 343322 (133)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:34:52	Running 343323 (134)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:36:40	Running 343324 (135)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:38:28	Running 343325 (136)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:40:13	Running 343326 (137)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:41:58	Running 343327 (138)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:43:45	Running 343328 (139)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:45:30	Running 343329 (140)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:47:16	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:49:06	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:50:59	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:52:51	Running 343330 (141)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:54:37	Running l343330 (142)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:56:26	Running dup343330 (143)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:58:12	Running mss343330 (144)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 18:59:56	Running msds343330 (145)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:01:40	Running pdss343330 (146)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:03:24	Running 343331 (147)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:05:11	Unable to Set Check Table, 1	NAH	Analyst	
	08/28/2013 19:05:11	Running 343332 (148)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:07:08	Running 343333 (149)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:09:04	Running 343334 (150)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:10:50	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:12:40	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:14:32	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:16:24	Running 343335 (151)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:18:09	Running lcss45617 (152)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/28/2013 19:20:00	Running mbs45617 (153)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:21:52	Running 343336 (154)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:23:40	Running 343337 (155)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:25:25	Running 343338 (156)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:27:19	Running 343339 (157)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:29:11	Running 343340 (158)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:30:59	Running 343341 (159)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:32:54	Running 343342 (160)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:34:49	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:36:39	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:38:32	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:40:24	Running 343343 (161)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:42:18	Running 343344 (162)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:44:12	Running 343345 (163)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:46:07	Running 343346 (164)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:47:54	Running 343347 (165)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:49:39	Running 343348 (166)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:51:25	Running 343349 (167)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:53:12	Running 343350 (168)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:54:57	Running 343351 (169)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:56:42	Running 343352 (170)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 19:58:29	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 20:00:19	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 20:02:11	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 20:04:03	Running l343352 (171)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 20:05:52	Running dup343352 (172)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 20:07:38	Running mss343352 (173)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 20:09:22	Running msds343352 (174)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 20:11:06	Running pdss343352 (175)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 20:12:50	Running 343353 (176)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 20:14:38	Running 343356 (177)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 20:16:24	Running 343357 (178)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 20:18:09	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 20:20:01	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 20:21:51	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 20:23:43	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	08/28/2013 20:25:35	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 11:32:07	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 11:32:07	Autosampler Run Started	NAH	Analyst	
	08/29/2013 11:32:30	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 11:34:27	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 11:36:25	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 11:38:24	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 11:40:22	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 11:42:20	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 11:44:20	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 11:46:12	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 11:48:03	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 11:50:06	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 11:52:17	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 11:54:14	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/29/2013 11:56:10	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 11:58:09	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:00:07	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:02:05	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:04:10	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:06:12	Running 343716lcss 45618 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:08:09	Running 343715mbs 45618 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:10:07	Running 343358 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:12:08	Running 343359 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:14:00	Running 343360 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:15:51	Running 343361 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:17:44	Running l343361 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:19:38	Running dup343361 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:21:31	Running mss343361 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:23:21	Running msds343361 (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:25:11	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:27:07	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:29:05	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:31:04	Running pdss343361 (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:32:55	Running 343362 (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:34:48	Running 343363 (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:36:39	Running 343364 (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:38:31	Running 343365 (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:40:24	Running 343366 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:42:15	Running 343367 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:44:07	Running 343368 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:45:57	Running 343369 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:47:50	Running 343370 (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:49:41	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:51:38	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:53:36	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:55:35	Running 343371 (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:57:28	Running 343372 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 12:59:20	Running 343373 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:01:13	Running 343374 (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:03:05	Running l343374 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:05:02	Running dup343374 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:06:55	Running mss343374 (27)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:08:45	Running msds343374 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:10:35	Running pdss343374 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:12:25	Running 343375 (30)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:14:17	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:16:14	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:18:12	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:20:11	Running 343376 (31)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:22:04	Running 343377 (32)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:23:57	Running 343724lcss 45619 (33)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:25:55	Running 343723mbs 45619 (34)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:27:54	Running 343378 (35)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:29:54	Running 343379 (36)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:31:45	Running 343380 (37)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/29/2013 13:33:38	Running 343381 (38)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:35:29	Running 343382 (39)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:37:22	Running 343383 (40)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:39:14	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:41:11	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:43:09	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:45:07	Running l343383 (41)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:47:02	Running dup343383 (42)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:48:55	Running mss343383 (43)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:50:45	Running msds343383 (44)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:52:35	Running pdss343383 (45)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:54:25	Running 343384 (46)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:56:17	Running 343385 (47)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 13:58:10	Running 343386 (48)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:00:03	Running 343387 (49)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:01:56	Running 343388 (50)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:03:57	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:05:53	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:07:52	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:09:50	Running 343389 (51)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:11:50	Running 343390 (52)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:13:51	Running 343391 (53)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:15:43	Running 343392 (54)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:17:34	Running 343393 (55)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:19:27	Running 343394 (56)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:21:19	Running 343395 (57)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:23:11	Running 343396 (58)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:25:04	Running 343397 (59)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:27:06	Running 343729lcss 45620 (60)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:29:02	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:30:58	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:32:57	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:34:56	Running 343728mbs 45620 (61)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:36:55	Running 343398 (62)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:38:47	Running 343399 (63)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:40:39	Running 343400 (64)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:42:32	Running l343400 (65)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:44:30	Running dup343400 (66)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:46:23	Running mss343400 (67)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:48:14	Running msds343400 (68)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:50:04	Running pdss343400 (69)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:51:55	Running 343401 (70)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:53:46	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:55:41	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:57:40	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 14:59:39	Running 343402 (71)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:01:31	Running 343403 (72)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:03:25	Running 343404 (73)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:05:19	Running 343405 (74)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:07:11	Running 343406 (75)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:09:03	Running 343407 (76)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/29/2013 15:10:56	Running 343408 (77)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:12:47	Running 343409 (78)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:14:40	Running 343410 (79)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:16:34	Running 343411 (80)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:18:25	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:20:21	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:22:20	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:24:19	Running 343412 (81)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:26:20	Running 343413 (82)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:28:13	Running 343414 (83)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:30:07	Running 343415 (84)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:32:01	Running 343416 (85)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:33:56	Running 343417 (86)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:35:51	Running 343734lcss 45621 (87)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:37:49	Running 343733mbs 45621 (88)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:39:49	Running 343418 (89)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:41:44	Running l343418 (90)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:43:40	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:45:35	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:47:34	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:49:34	Running dup343418 (91)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:51:29	Running mss343418 (92)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:53:20	Running msds343418 (93)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:55:10	Running pdss343418 (94)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:57:01	Running 343419 (95)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 15:58:56	Running 343420 (96)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:00:58	Running 343421 (97)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:02:50	Running 343422 (98)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:04:42	Running 343423 (99)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:06:34	Running 343424 (100)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:08:34	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:10:29	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:12:28	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:14:27	Running 343425 (101)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:16:20	Running 343426 (102)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:18:22	Running 343427 (103)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:20:15	Running 343428 (104)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:22:09	Running 343429 (105)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:24:04	Running 343430 (106)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:25:59	Running 343431 (107)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:27:52	Running 343432 (108)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:29:44	Running 343433 (109)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:31:36	Running 343434 (110)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:33:36	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:35:32	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:37:31	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:39:30	Running 343435 (111)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:41:23	Running 343436 (112)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:43:15	Running 343437 (113)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:45:10	Running 343747lcss 45623 (114)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:47:07	Running 343746mbs 45623 (115)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/29/2013 16:49:07	Running 343458 (116)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:51:09	Running 343459 (117)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:53:11	Running 343460 (118)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:55:12	Running 343461 (119)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:57:04	Running 343462 (120)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 16:59:04	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 17:01:01	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 17:02:59	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 17:04:59	Running 343463 (121)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 17:07:01	Running 343464 (122)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 17:08:54	Running 343465 (123)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 17:10:46	Running 343466 (124)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 17:12:39	Running 343467 (125)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 17:14:34	Running 343468 (126)	NAH	Analyst	S_As & Pb onlyasx(v
	08/29/2013 17:14:35	Failed to run the sample.	NAH	Analyst	
	08/29/2013 17:14:39	Plasma extinguished successfully	NAH	Analyst	
	08/29/2013 17:14:40	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 06:51:09	iTEVA loaded	NAH	iTEVA Control Center	
	08/30/2013 06:51:27	Connected to instrument 20070314	NAH	iTEVA Control Center	
	08/30/2013 06:55:58	Plasma On	NAH	iTEVA Control Center	
	08/30/2013 06:56:05	Plasma ignition successful	NAH	Analyst	
	08/30/2013 06:56:51	D33534 - Debug:Wavelength check : x = -1.311, y =2.560	NAH	Analyst	
	08/30/2013 07:15:26	Autosampler Run Started	NAH	Analyst	
	08/30/2013 07:15:26	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:15:49	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:16:13	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:17:24	Autosampler Run Started	NAH	Analyst	
	08/30/2013 07:17:24	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:17:47	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:19:11	Closing will close the method and all associated samples.	NAH	Analyst	
	08/30/2013 07:19:50	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:21:52	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:23:50	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:25:49	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:27:48	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:29:46	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:31:01	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:01	Unable to Set Check Table, mrl	NAH	Analyst	
	08/30/2013 07:31:01	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:01	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:01	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:02	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:02	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:02	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:02	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:02	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:02	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:03	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:03	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:03	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:03	Unable to Set Check Table, ccv1	NAH	Analyst	

Type	Date/Time	Message	User name	Application	Sequence Name
	08/30/2013 07:31:03	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:03	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:03	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:03	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:04	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:04	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:04	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:04	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:04	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:04	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:11	Unable to Set Check Table, mrl	NAH	Analyst	
	08/30/2013 07:31:11	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:11	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:11	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:11	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:12	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:12	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:12	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:12	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:12	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:12	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:13	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:13	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:13	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:13	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:13	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:13	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:14	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:14	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:14	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:14	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:14	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:14	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:15	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/30/2013 07:31:15	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/30/2013 07:31:38	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:33:30	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:35:33	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:37:47	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:39:43	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:41:40	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:43:38	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:45:36	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:47:35	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:49:44	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:51:49	Running 343463 (121)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:53:50	Running 343464 (122)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:55:42	Running 343465 (123)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:57:35	Running 343466 (124)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 07:59:36	Running 343467 (125)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:01:29	Running 343468 (126)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/30/2013 08:03:22	Running l343468 (127)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:05:17	Running dup343468 (128)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:07:10	Running mss343468 (129)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:09:01	Running msds343468 (130)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:10:50	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:12:45	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:14:44	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:16:43	Running pdss343468 (131)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:18:34	Running 343469 (132)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:20:26	Running 343470 (133)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:22:20	Running 343471 (134)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:24:13	Running 343472 (135)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:26:06	Running 343473 (136)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:28:00	Running 343474 (137)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:29:53	Running 343475 (138)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:31:47	Running 343476 (139)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:33:40	Running 343477 (140)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:35:33	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:37:29	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:39:28	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:41:28	Running 343739lcss 45622 (141)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:43:26	Running 343738mbs 45622 (142)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:45:26	Running 343438 (143)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:47:21	Running 343439 (144)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:49:24	Running 343440 (145)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:51:17	Running 343441 (146)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:53:10	Running l343441 (147)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:55:06	Running dup343441 (148)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:56:59	Running mss343441 (149)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 08:58:50	Running msds343441 (150)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:00:39	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:02:36	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:04:34	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:06:34	Running pdss343441 (151)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:08:26	Running 343442 (152)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:10:20	Running 343443 (153)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:12:13	Running 343444 (154)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:14:05	Running 343445 (155)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:15:57	Running 343446 (156)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:18:00	Running 343447 (157)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:19:55	Running l343447 (158)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:21:51	Running dup343447 (159)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:23:44	Running mss343447 (160)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:25:33	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:27:30	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:29:28	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:31:28	Running msds343447 (161)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:33:20	Running pdss343447 (162)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:35:12	Running 343448 (163)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:37:06	Running 343449 (164)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:39:01	Running 343450 (165)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/30/2013 09:40:55	Running 343451 (166)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:42:49	Running 343452 (167)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:44:42	Running 343453 (168)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:46:36	Running 343454 (169)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:48:29	Running 343455 (170)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:50:21	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:52:18	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:54:17	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:56:17	Running 343456 (171)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 09:58:12	Running 343457 (172)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 10:00:03	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 10:02:00	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 10:03:56	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 10:05:55	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 10:07:49	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:10:59	Autosampler Run Started	NAH	Analyst	
	08/30/2013 11:10:59	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:11:23	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:13:21	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:15:19	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:17:18	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:19:17	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:21:16	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:23:15	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:25:08	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:27:01	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:29:04	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:31:15	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:33:13	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:35:10	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:37:09	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:39:08	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:41:07	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:43:11	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:45:11	Running 343809lcss 45628 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:47:09	Running 343808mbs 45628 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:49:08	Running 343559 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:51:10	Running 343560 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:53:12	Running 343561 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:55:06	Running 343562 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:57:00	Running 343563 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 11:59:00	Running 343564 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:01:01	Running 343565 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:02:55	Running l343565 (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:04:52	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:06:49	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:08:48	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:10:47	Running dup343565 (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:12:42	Running mss343565 (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:14:31	Running msds343565 (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:16:21	Running pdss343565 (14)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/30/2013 12:18:11	Running 343566 (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:20:13	Running 343567 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:22:14	Running 343568 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:24:15	Running 343569 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:26:17	Running 343570 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:28:10	Running 343571 (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:30:02	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:31:59	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:33:58	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:35:57	Running l343571 (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:37:53	Running dup343571 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:39:46	Running mss343571 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:41:37	Running msds343571 (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:43:27	Running pdss343571 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:45:17	Running 343572 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:47:11	Running 343573 (27)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:49:05	Running l343573 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:51:02	Running dup343573 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:52:56	Running mss343573 (30)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:54:46	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:56:44	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 12:58:44	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:00:42	Running msds343573 (31)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:02:32	Running pdss343573 (32)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:04:22	Running 343574 (33)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:06:15	Running 343575 (34)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:08:10	Running ccv1 (151)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:10:08	Running ccv2 (152)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:12:09	Running ccb1 (153)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:14:08	Running 343576 (35)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:16:03	Running 343577 (36)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:17:57	Running 343578 (37)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:19:51	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:21:48	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:23:47	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:25:46	Running 343799lcss 45626 (38)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:27:44	Running 343798mbs 45626 (39)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:29:44	Running 343518 (40)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:31:36	Running l343518 (41)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:33:34	Running dup343518 (42)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:35:27	Running mss343518 (43)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:37:17	Running msds343518 (44)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:39:07	Running pdss343518 (45)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:40:57	Running 343519 (46)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:42:49	Running 343520 (47)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:44:40	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:46:36	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:48:35	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:50:34	Running 343521 (48)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:52:27	Running 343522 (49)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:54:19	Running 343523 (50)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/30/2013 13:56:10	Running 343524 (51)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:58:02	Running 343525 (52)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 13:59:53	Running 343526 (53)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:01:47	Running 343527 (54)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:03:41	Running 343528 (55)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:05:33	Running 343529 (56)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:07:24	Running 343530 (57)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:09:15	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:11:11	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:13:11	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:15:10	Running 343531 (58)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:17:05	Running 343532 (59)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:18:57	Running 343533 (60)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:20:48	Running 343534 (61)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:22:41	Running 343535 (62)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:24:33	Running 343536 (63)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:26:25	Running 343537 (64)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:28:18	Running 343804lcss 45627 (65)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:30:16	Running 343803mbs 45627 (66)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:32:16	Running 343538 (67)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:34:07	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:36:02	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:38:01	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:40:01	Running 343539 (68)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:40:08	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:42:12	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:42:12	Autosampler Run Started	NAH	Analyst	
	08/30/2013 14:42:35	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:44:56	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:46:55	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:48:54	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:50:53	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:51:40	Closing will close the method and all associated samples.	NAH	Analyst	
	08/30/2013 14:52:52	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:54:51	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:56:44	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 14:58:37	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:00:40	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:02:51	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:04:49	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:06:46	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:08:45	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:10:43	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:12:42	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:14:46	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:16:50	Running 343539 (68)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:18:42	Running 343540 (69)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:20:35	Running 343541 (70)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:22:27	Running 343542 (71)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:24:20	Running 343543 (72)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:26:13	Running 343544 (73)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/30/2013 15:28:05	Running 343545 (74)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:30:05	Running 343546 (75)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:31:57	Running 343547 (76)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:33:50	Running 343548 (77)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:35:50	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:37:46	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:39:45	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:41:44	Running 343549 (78)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:43:37	Running 343550 (79)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:45:38	Running l343550 (80)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:47:32	Running dup343550 (81)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:49:33	Running mss343550 (82)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:51:30	Running msds343550 (83)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:53:21	Running pdss343550 (84)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:55:21	Running 343552 (85)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:57:14	Running 343553 (86)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 15:59:08	Running 343554 (87)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:01:08	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:03:04	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:05:04	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:07:03	Running 343555 (88)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:09:06	Running 343556 (89)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:11:00	Running 343557 (90)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:12:53	Running 343558 (91)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:14:48	Running 343752lcss 45624 (92)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:16:46	Running 343751mbs 45624 (93)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:18:46	Running 343478 (94)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:20:47	Running l343478 (95)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:22:41	Running dup343478 (96)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:24:42	Running mss343478 (97)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:26:41	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:28:37	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:30:37	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:32:36	Running msds343478 (98)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:34:37	Running pdss343478 (99)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:36:35	E9013 - : Plasma went out due to the water flow from chiller falling sinc	NAH	iTEVA Control Center	
	08/30/2013 16:36:37	Failed to run the sample.	NAH	Analyst	
	08/30/2013 16:36:37	Running 343479 (100)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 16:36:41	Plasma extinguished successfully	NAH	Analyst	
	08/30/2013 16:36:42	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 18:33:38	Plasma On	NAH	iTEVA Control Center	
	08/30/2013 18:33:44	Plasma ignition successful	NAH	Analyst	
	08/30/2013 18:34:30	D33534 - Debug:Wavelength check : x = -0.893, y =2.477	NAH	Analyst	
	08/30/2013 18:51:15	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 18:51:15	Autosampler Run Started	NAH	Analyst	
	08/30/2013 18:51:38	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 18:51:46	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 18:55:54	Autosampler Run Started	NAH	Analyst	
	08/30/2013 18:55:54	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 18:56:17	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 18:58:13	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/30/2013 19:00:10	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:02:08	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:04:07	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:06:05	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:08:04	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:09:57	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:11:48	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:13:51	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:16:03	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:18:00	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:19:56	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:21:55	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:23:53	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:25:51	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:27:55	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:30:00	Running msds343478 (98)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:31:55	Running pdss343478 (99)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:33:58	Running 343479 (100)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:35:54	Running 343480 (101)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:37:56	Running 343481 (102)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:39:57	Running 343482 (103)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:41:50	Running 343483 (104)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:43:43	Running 343484 (105)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:45:37	Running 343485 (106)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:47:40	Running 343486 (107)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:49:31	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:51:27	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:53:25	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:55:24	Running 343487 (108)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:57:18	Running 343488 (109)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 19:59:11	Running 343489 (110)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:01:05	Running 343490 (111)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:02:58	Running 343491 (112)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:04:59	Running 343492 (113)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:07:00	Running 343493 (114)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:08:53	Running 343494 (115)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:10:45	Running 343495 (116)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:12:38	Running 343496 (117)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:14:29	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:16:25	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:18:23	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:20:23	Running 343497 (118)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:22:18	Running 343791lcss 45625 (119)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:24:16	Running 343790mbs 45625 (120)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:26:16	Running 343498 (121)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:28:17	Running 343499 (122)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:30:19	Running 343500 (123)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:32:12	Running 343501 (124)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:34:05	Running 343502 (125)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:35:57	Running 343503 (126)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:37:50	Running 343504 (127)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/30/2013 20:39:41	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:41:38	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:43:36	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:45:36	Running 343505 (128)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:47:28	Running 343506 (129)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:49:20	Running l343506 (130)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:51:16	Running dup343506 (131)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:53:09	Running mss343506 (132)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:55:01	Running msds343506 (133)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:56:52	Running pdss343506 (134)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 20:58:43	Running 343507 (135)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:00:36	Running 343508 (136)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:02:28	Running 343509 (137)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:04:20	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:06:16	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:08:15	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:10:15	Running 343510 (138)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:12:09	Running 343511 (139)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:14:02	Running 343512 (140)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:15:54	Running l343512 (141)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:17:49	Running dup343512 (142)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:19:42	Running mss343512 (143)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:21:34	Running msds343512 (144)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:23:27	Running pdss343512 (145)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:25:18	Running 343513 (146)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:27:10	Running 343514 (147)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:29:03	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:30:59	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:32:58	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:34:57	Running 343515 (148)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:36:50	Running 343516 (149)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:38:43	Running 343517 (150)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:40:43	Running 343571 (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:42:39	Running l343571 (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:44:36	Running dup343571 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:46:32	Running mss343571 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:48:27	Running msds343571 (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:50:21	Running pdss343571 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:52:15	Running 343572 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:54:09	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:56:05	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 21:58:04	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 22:00:02	Running 343573 (27)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 22:01:58	Running l343573 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 22:03:55	Running dup343573 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 22:05:50	Running mss343573 (30)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 22:07:44	Running msds343573 (31)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 22:09:38	Running pdss343573 (32)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 22:11:32	Running 343574 (33)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 22:13:28	Running 343575 (34)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 22:15:24	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/30/2013 22:17:21	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 22:19:16	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 22:21:15	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/30/2013 22:23:12	Plasma extinguished successfully	NAH	Analyst	
	08/30/2013 22:23:13	Plasma off	NAH	iTEVA Control Center	
	08/30/2013 22:23:15	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 11:18:55	Plasma On	NAH	iTEVA Control Center	
	08/31/2013 11:19:00	Plasma ignition successful	NAH	Analyst	
	08/31/2013 11:19:47	D33534 - Debug:Wavelength check : x = -1.202, y =2.372	NAH	Analyst	
	08/31/2013 13:25:52	Autosampler Run Started	NAH	Analyst	
	08/31/2013 13:25:52	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:26:15	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:28:13	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:30:11	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:32:09	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:34:08	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:36:06	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:38:06	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:39:59	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:41:51	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:43:54	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:46:05	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:48:01	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:49:59	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:51:57	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:53:55	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:55:54	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 13:57:58	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:00:01	Running 344869lcss 45643 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:01:58	Running 344868mbs 45643 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:03:56	Running 343686 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:05:48	Running 343687 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:07:40	Running 344102 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:09:34	Running 344103 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:11:28	Running 344104 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:13:20	Running 344105 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:15:11	Running l344105 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:17:06	Running dup344105 (10)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:18:58	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:20:54	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:22:52	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:24:51	Running mss344105 (11)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:26:42	Running msds344105 (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:28:31	Running pdss344105 (13)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:30:21	Running 344106 (14)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:32:15	Running 344107 (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:34:06	Running 344108 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:35:58	Running 344109 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:37:51	Running 344110 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:39:45	Running 344111 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:41:37	Running 344112 (20)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/31/2013 14:43:28	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:45:24	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:47:22	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:49:21	Running 344113 (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:51:13	Running 344114 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:53:05	Running 344115 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:54:56	Running 344116 (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:56:48	Running 344117 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 14:58:40	Running 344118 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:00:32	Running 344119 (27)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:02:23	Running 343840lcss 45633 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:04:20	Running 343839mbs 45633 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:06:19	Running 343666 (30)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:08:19	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:10:15	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:12:14	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:14:12	Running 343667 (31)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:16:15	Running 343668 (32)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:18:09	Running 343669 (33)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:20:12	Running 343670 (34)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:22:16	Running 343671 (35)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:24:09	Running 343672 (36)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:26:10	Running 343673 (37)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:28:04	Running 343674 (38)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:29:58	Running 343675 (39)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:31:51	Running 343676 (40)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:33:52	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:35:49	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:37:47	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:39:46	Running 343677 (41)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:41:47	Running 343678 (42)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:43:40	Running 343679 (43)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:45:31	Running 343680 (44)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:47:23	Running 343681 (45)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:49:15	Running 343682 (46)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:51:08	Running 343683 (47)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:53:00	Running 343684 (48)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:54:51	Running 343685 (49)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:56:42	Running l343685 (50)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 15:58:38	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:00:35	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:02:33	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:04:32	Running dup343685 (51)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:06:24	Running mss343685 (52)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:08:14	Running msds343685 (53)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:10:04	Running pdss343685 (54)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:11:54	Running 343835lcss 45632 (55)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:13:51	Running 343834mbs 45632 (56)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:15:50	Running 343646 (57)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:17:42	Running 343647 (58)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:19:35	Running 343648 (59)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/31/2013 16:21:27	Running 343649 (60)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:23:17	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:25:12	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:27:11	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:29:10	Running 343650 (61)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:31:03	Running 343651 (62)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:33:05	Running 343652 (63)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:34:58	Running 343653 (64)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:36:52	Running 343654 (65)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:38:46	Running 343655 (66)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:40:41	Running 343656 (67)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:42:34	Running 343657 (68)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:44:26	Running 343658 (69)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:46:19	Running 343659 (70)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:48:10	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:50:05	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:52:04	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:54:03	Running 343660 (71)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:55:57	Running 343661 (72)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:57:51	Running 343662 (73)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 16:59:44	Running 343663 (74)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:01:38	Running l343663 (75)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:03:35	Running dup343663 (76)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:05:28	Running mss343663 (77)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:07:19	Running msds343663 (78)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:09:10	Running pdss343663 (79)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:11:00	Running 343664 (80)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:12:52	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:14:48	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:16:47	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:18:46	Running 343665 (81)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:20:40	Running 343830lcss 45631 (82)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:22:38	Running 343829mbs 45631 (83)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:24:37	Running 343626 (84)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:26:30	Running 343627 (85)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:28:23	Running 343628 (86)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:30:18	Running 343629 (87)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:32:10	Running 343630 (88)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:34:12	Running 343631 (89)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:36:05	Running 343632 (90)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:38:05	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:40:01	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:42:00	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:43:59	Running 343633 (91)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:45:52	Running 343634 (92)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:47:54	Running 343635 (93)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:49:48	Running 343636 (94)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:51:48	Running 343637 (95)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:53:49	Running 343638 (96)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:55:44	Running 343639 (97)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 17:57:44	Running 343640 (98)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/31/2013 17:59:46	Running 343641 (99)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:01:48	Running 343642 (100)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:03:39	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:05:35	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:07:33	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:09:32	Running l343642 (101)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:11:29	Running dup343642 (102)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:13:23	Running mss343642 (103)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:15:14	Running msds343642 (104)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:17:05	Running pdss343642 (105)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:18:55	Running 343643 (106)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:20:48	Running 343644 (107)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:22:42	Running 343645 (108)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:24:36	Running 343825lcss 45630 (109)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:26:34	Running 343824mbs 45630 (110)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:28:33	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:30:29	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:32:28	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:34:27	Running 343599 (111)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:36:21	Running l343599 (112)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:38:19	Running dup343599 (113)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:40:13	Running mss343599 (114)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:42:04	Running msds343599 (115)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:43:55	Running pdss343599 (116)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:45:46	Running 343600 (117)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:47:39	Running 343601 (118)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:49:40	Running 343602 (119)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:51:33	Running 343603 (120)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:53:33	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:55:30	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:57:28	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 18:59:27	Running 343604 (121)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:01:20	Running 343605 (122)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:03:14	Running 343606 (123)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:05:09	Running 343607 (124)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:07:03	Running 343608 (125)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:08:56	Running 343609 (126)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:10:50	Running 343610 (127)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:12:45	Running 343611 (128)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:14:41	Running 343612 (129)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:16:36	Running 343613 (130)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:18:29	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:20:26	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:22:24	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:24:24	Running 343614 (131)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:26:19	Running 343615 (132)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:28:14	Running 343623 (133)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:30:06	Running 343624 (134)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:32:00	Running 343625 (135)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:33:55	Running 343820lcss 45629 (136)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:35:54	Running 343819mbs 45629 (137)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	08/31/2013 19:37:54	Running 343579 (138)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:39:47	Running l343579 (139)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:41:45	Running dup343579 (140)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:43:41	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:45:37	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:47:36	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:49:36	Running mss343579 (141)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:51:36	Running msds343579 (142)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:53:35	Running pdss343579 (143)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:55:26	Running 343580 (144)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:57:22	Running 343581 (145)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 19:59:17	Running 343582 (146)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:01:11	Running 343583 (147)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:03:15	Running 343584 (148)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:05:11	Running 343585 (149)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:07:13	Running 343586 (150)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:09:14	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:11:10	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:13:08	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:15:08	Running 343587 (151)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:17:05	Running 343588 (152)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:19:00	Running 343589 (153)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:20:55	Running 343590 (154)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:22:51	Running 343591 (155)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:24:45	Running 343592 (156)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:26:41	Running 343593 (157)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:28:37	Running 343594 (158)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:30:32	Running 343595 (159)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:32:27	Running 343596 (160)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:34:23	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:36:20	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:38:19	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:40:19	Running 343597 (161)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:42:15	Running 343598 (162)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:44:08	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:46:08	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:48:05	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:50:04	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	08/31/2013 20:52:02	Plasma off	NAH	iTEVA Control Center	
	08/31/2013 20:52:03	Plasma extinguished successfully	NAH	Analyst	
	08/31/2013 20:52:05	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 07:11:59	Plasma On	NAH	iTEVA Control Center	
	09/01/2013 07:12:04	Plasma ignition successful	NAH	Analyst	
	09/01/2013 07:12:51	D33534 - Debug:Wavelength check : x = -1.273, y =2.518	NAH	Analyst	
	09/01/2013 09:24:48	Autosampler Run Started	NAH	Analyst	
	09/01/2013 09:24:48	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:25:11	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:27:09	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:29:07	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:31:06	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:33:05	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/01/2013 09:35:04	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:37:03	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:38:56	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:40:48	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:42:50	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:45:02	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:46:58	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:48:56	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:50:53	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:52:52	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:54:51	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:56:55	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 09:58:57	Running lcss45644 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:00:55	Running mbs45644 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:02:54	Running 344120 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:04:48	Running l344120 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:06:44	Running dup344120 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:08:38	Running mss344120 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:10:29	Running msds344120 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:12:18	Running pdss344120 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:14:09	Running 344121 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:16:01	Running 344122 (10)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:17:52	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:19:48	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:21:47	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:23:47	Running 344123 (11)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:25:40	Running 344124 (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:27:32	Running 344125 (13)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:29:23	Running 344126 (14)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:31:16	Running 344127 (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:33:07	Running 344128 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:35:07	Running 344129 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:37:07	Running 344130 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:38:58	Running 344131 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:40:49	Running 344132 (20)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:42:40	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:44:36	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:46:35	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:48:34	Running 344133 (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:50:27	Running 344134 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:52:20	Running 344135 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:54:15	Running 344136 (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:56:09	Running 344137 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 10:58:09	Running 344138 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:00:02	Running 344139 (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:01:56	Running lcss45645 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:03:54	Running mbs45645 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:05:53	Running 344140 (30)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:07:46	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:09:42	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:11:41	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/01/2013 11:13:40	Running 344141 (31)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:15:33	Running 344142 (32)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:17:26	Running 344143 (33)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:19:26	Running 344144 (34)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:21:18	Running l344144 (35)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:23:15	Running dup344140 (36)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:25:08	Running mss344140 (37)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:26:59	Running msds344140 (38)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:28:48	Running pdss344140 (39)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:30:39	Running 344145 (40)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:32:30	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:34:26	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:36:25	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:38:23	Running 344146 (41)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:40:16	Running 344147 (42)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:42:16	Running 344148 (43)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:44:10	Running 344149 (44)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:46:04	Running 344150 (45)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:48:07	Running 344151 (46)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:50:10	Running 344152 (47)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:52:14	Running 344153 (48)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:54:17	Running 344154 (49)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:56:08	Running 344155 (50)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:58:00	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 11:59:57	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:01:55	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:03:54	Running 344156 (51)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:05:47	Running 344157 (52)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:07:50	Running 344158 (53)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:09:52	Running 344159 (54)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:11:46	Running lcss45646 (55)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:13:44	Running mbs45646 (56)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:15:42	Running 344160 (57)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:17:35	Running 344161 (58)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:19:27	Running 344162 (59)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:21:19	Running 344163 (60)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:23:17	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:25:13	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:27:12	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:29:11	Running 344164 (61)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:31:12	Running 344165 (62)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:33:05	Running 344166 (63)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:34:58	Running l344166 (64)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:36:53	Running dup344166 (65)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:38:54	Running mss344166 (66)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:40:53	Running msds344166 (67)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:42:52	Running pdss344166 (68)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:44:51	Running 344167 (69)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:46:53	Running 344168 (70)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:48:45	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:50:41	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/01/2013 12:52:40	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:54:39	Running 344169 (71)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:56:33	Running 344170 (72)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 12:58:34	Running 344171 (73)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:00:36	Running 344172 (74)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:02:30	Running 344173 (75)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:04:22	Running 344174 (76)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:06:24	Running 344175 (77)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:08:16	Running 344176 (78)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:10:07	Running 344177 (79)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:11:59	Running 344178 (80)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:13:51	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:15:47	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:17:47	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:19:46	Running 344179 (81)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:21:39	Running lcss45647 (82)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:23:38	Running mbs45647 (83)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:25:37	Running 344180 (84)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:27:31	Running 344181 (85)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:29:25	Running 344182 (86)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:31:26	Running 344183 (87)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:33:27	Running 344184 (88)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:35:20	Running 344185 (89)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:37:12	Running 344186 (90)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:39:03	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:40:58	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:42:58	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:44:57	Running l344186 (91)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:46:55	Running dup344186 (92)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:48:48	Running mss344186 (93)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:50:39	Running msds344186 (94)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:52:29	Running pdss344186 (95)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:54:20	Running 344187 (96)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:56:13	Running 344188 (97)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 13:58:07	Running 344189 (98)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:00:02	Running 344190 (99)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:01:54	Running 344191 (100)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:03:46	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:05:42	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:07:41	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:09:40	Running 344192 (101)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:11:34	Running 344193 (102)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:13:27	Running 344194 (103)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:15:19	Running 344195 (104)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:17:13	Running 344196 (105)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:19:06	Running 344197 (106)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:20:59	Running 344198 (107)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:22:55	Running 344199 (108)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:24:48	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:26:47	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:28:43	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/01/2013 14:30:42	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/01/2013 14:32:40	Plasma extinguished successfully	NAH	Analyst	
	09/01/2013 14:32:40	Plasma off	NAH	iTEVA Control Center	
	09/01/2013 14:32:42	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 06:40:29	Plasma On	NAH	iTEVA Control Center	
	09/03/2013 06:40:35	Plasma ignition successful	NAH	Analyst	
	09/03/2013 06:41:22	D33534 - Debug:Wavelength check : x = -1.220, y =2.472	NAH	Analyst	
	09/03/2013 07:29:33	E9000 - : Plasma went out unexpectedly; please refer to error message	NAH	iTEVA Control Center	
	09/03/2013 07:35:27	Plasma ignition successful	NAH	Analyst	
	09/03/2013 07:36:10	Plasma On	NAH	iTEVA Control Center	
	09/03/2013 07:36:13	D33534 - Debug:Wavelength check : x = -1.290, y =2.034	NAH	Analyst	
	09/03/2013 08:06:28	E9000 - : Plasma went out unexpectedly; please refer to error message	NAH	iTEVA Control Center	
	09/03/2013 08:07:31	Plasma On	NAH	iTEVA Control Center	
	09/03/2013 08:07:37	Plasma ignition successful	NAH	Analyst	
	09/03/2013 08:08:23	D33534 - Debug:Wavelength check : x = -1.260, y =1.960	NAH	Analyst	
	09/03/2013 12:22:38	iTEVA loaded	NAH	iTEVA Control Center	
	09/03/2013 12:22:56	Connected to instrument 20070314	NAH	iTEVA Control Center	
	09/03/2013 12:23:33	Plasma On	NAH	iTEVA Control Center	
	09/03/2013 13:21:47	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:21:47	Autosampler Run Started	NAH	Analyst	
	09/03/2013 13:22:10	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:24:08	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:26:06	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:28:04	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:30:03	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:32:02	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:34:01	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:35:55	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:37:46	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:39:49	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:42:01	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:43:57	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:45:55	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:47:53	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:49:52	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:51:51	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:53:55	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:55:58	Running 344141 (31)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:57:51	Running 344142 (32)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 13:59:46	Running 344143 (33)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:01:39	Running 344144 (34)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:03:36	Running l344144 (35)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:05:33	Running dup344140 (36)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:07:29	Running mss344140 (37)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:09:24	Running msds344140 (38)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:11:18	Running pdss344140 (39)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:13:13	Running 344145 (40)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:15:08	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:17:05	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:19:03	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:21:02	Running 344146 (41)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/03/2013 14:22:56	Running 344147 (42)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:24:50	Running 344148 (43)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:26:45	Running 344149 (44)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:28:39	Running 344150 (45)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:30:35	Running 344151 (46)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:32:31	Running 344152 (47)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:34:26	Running 344153 (48)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:36:21	Running 344154 (49)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:38:15	Running 344155 (50)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:40:09	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:42:05	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:44:03	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:46:02	Running 344156 (51)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:47:57	Running 344157 (52)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:50:00	Running 344158 (53)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:52:04	Running 344159 (54)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:54:00	Running lcss45646 (55)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:55:57	Running mbs45646 (56)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:57:57	Running 344160 (57)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 14:59:50	Running 344161 (58)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:01:44	Running 344162 (59)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:03:38	Running 344163 (60)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:05:40	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:07:37	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:09:35	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:11:33	Running 344904lcss 45650 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:13:31	Running 344903mbs 45650 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:15:30	Running 344266 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:17:31	Running 344267 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:19:31	Running 344268 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:21:31	Running 344269 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:23:31	Running 344270 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:25:33	Running 344271 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:27:24	Running 344272 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:29:17	Running 344273 (10)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:31:08	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:33:04	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:35:03	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:37:02	Running 344274 (11)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:38:55	Running 344275 (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:40:47	Running 344276 (13)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:42:38	Running 344277 (14)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:44:30	Running 344278 (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:46:22	Running 344279 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:48:14	Running 344280 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:50:07	Running l344280 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:52:02	Running dup344280 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:53:55	Running mss344280 (20)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:55:45	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:57:42	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 15:59:40	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/03/2013 16:01:40	Running msds344280 (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:03:31	Running pdss344280 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:05:21	Running 344281 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:07:13	Running 344282 (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:09:05	Running 344283 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:10:58	Running 344284 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:12:51	Running 344285 (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:14:44	Running 344909lcss 45651 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:16:42	Running 344908mbs 45651 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:18:41	Running 344286 (30)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:20:32	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:22:28	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:24:27	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:26:27	Running 344287 (61)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:28:18	Running 344288 (62)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:30:10	Running 344289 (63)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:32:12	Running 344290 (64)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:34:14	Running 344291 (65)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:36:17	Running 344292 (66)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:38:20	Running 344293 (67)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:40:15	Running 344294 (68)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:42:08	Running 344295 (69)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:44:02	Running 344296 (70)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:45:56	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:47:51	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:49:50	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:51:50	Running 344297 (71)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:53:41	Running 344298 (72)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:55:34	Running 344299 (73)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:57:28	Running 344300 (74)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 16:59:20	Running 344301 (75)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:01:20	Running 344302 (76)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:03:21	Running l344302 (77)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:05:16	Running dup344302 (78)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:07:11	Running mss344302 (79)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:09:02	Running msds344302 (80)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:11:00	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:12:55	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:14:54	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:16:53	Running pdss344302 (81)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:18:44	Running 344303 (82)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:20:46	Running 344304 (83)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:22:38	Running 344305 (84)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:24:31	Running 344899lcss 45649 (85)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:26:30	Running 344898mbs 45649 (86)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:28:29	Running 344220 (87)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:30:22	Running 344221 (88)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:32:16	Running 344222 (89)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:34:16	Running 344223 (90)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:36:15	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:38:10	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/03/2013 17:40:09	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:42:08	Running 344224 (91)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:44:11	Running 344225 (92)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:46:10	Running 344226 (93)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:48:04	Running 344227 (94)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:49:59	Running 344228 (95)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:51:52	Running 344229 (96)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:53:47	Running 344230 (97)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:55:43	Running 344231 (98)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:57:44	Running 344232 (99)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 17:59:40	Running l344232 (100)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:01:39	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:03:35	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:05:34	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:07:33	Running dup344232 (101)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:09:33	Running mss344232 (102)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:11:32	Running msds344232 (103)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:13:32	Running pdss344232 (104)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:15:34	Running 344257 (105)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:17:36	Running 344260 (106)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:19:39	Running 344261 (107)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:21:41	Running 344262 (108)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:23:34	Running 344263 (109)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:25:38	Running 344264 (110)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:27:32	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:29:29	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:31:27	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:33:27	Running 344265 (111)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:35:30	Running 344894lcss 45648 (112)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:37:28	Running 344893mbs 45648 (113)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:39:28	Running 344200 (114)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:41:19	Running 344201 (115)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:43:11	Running 344202 (116)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:45:05	Running 344203 (117)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:46:58	Running 344204 (118)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:48:52	Running 344205 (119)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:50:44	Running 344206 (120)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:52:37	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:54:33	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:56:32	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 18:58:32	Running 344207 (121)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:00:28	Running 344208 (122)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:02:22	Running l344208 (123)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:04:20	Running dup344208 (124)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:06:14	Running mss344208 (125)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:08:06	Running msds344208 (126)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:09:57	Running pdss344208 (127)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:11:48	Running 344209 (128)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:13:43	Running 344210 (129)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:15:36	Running 344211 (130)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:17:30	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/03/2013 19:19:27	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:21:25	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:23:26	Running 344212 (131)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:25:28	Running 344213 (132)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:27:22	Running 344214 (133)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:29:25	Running 344215 (134)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:31:27	Running 344216 (135)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:33:30	Running 344217 (136)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:35:26	Running 344218 (137)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:37:19	Running 344219 (138)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:39:12	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:41:10	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:43:07	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:45:05	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/03/2013 19:47:04	Plasma off	NAH	iTEVA Control Center	
	09/03/2013 19:47:04	Plasma extinguished successfully	NAH	Analyst	
	09/03/2013 19:47:06	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 06:39:58	Plasma On	NAH	iTEVA Control Center	
	09/04/2013 06:40:03	Plasma ignition successful	NAH	Analyst	
	09/04/2013 06:40:49	D33534 - Debug:Wavelength check : x = -1.286, y =2.441	NAH	Analyst	
	09/04/2013 11:31:52	Autosampler Run Started	NAH	Analyst	
	09/04/2013 11:31:52	Sequence Started	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 11:32:15	Running Blank (1)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 11:34:12	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 11:36:11	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 11:38:09	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 11:40:08	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 11:42:07	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 11:44:06	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 11:45:59	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 11:47:52	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 11:49:54	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 11:52:06	Running ICV1 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 11:54:03	Running ICV2 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 11:56:01	Running icvLL (20)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 11:57:59	Running icb (11)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 11:59:58	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:01:56	Running icsa (13)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:04:00	Running icsab (14)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:06:03	Running 344914lcss 45652 (1)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:08:00	Running 344913mbs 45652 (2)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:09:59	Running 344306 (3)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:11:52	Running 344307 (4)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:13:42	Running 344308 (5)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:15:34	Running 344309 (6)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:17:28	Running 344310 (7)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:19:20	Running 344311 (8)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:21:11	Running 344312 (9)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:23:04	Running 344313 (10)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:24:56	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:26:52	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/04/2013 12:28:51	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:30:50	Running 344314 (11)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:32:43	Running 344315 (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:34:34	Running 344316 (13)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:36:25	Running 344317 (14)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:38:17	Running 344318 (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:40:10	Running 344319 (16)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:42:03	Running 344320 (17)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:43:55	Running 344321 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:45:46	Running 344322 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:47:45	Running 344323 (20)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:49:45	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:51:41	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:53:39	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:55:38	Running 344324 (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:57:39	Running 344325 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 12:59:39	Running l344325 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:01:34	Running dup344325 (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:03:34	Running mss344325 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:05:33	Running msds344325 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:07:31	Running pdss344325 (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:09:30	Running 344919lcss 45653 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:11:27	Running 344918mbs 45653 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:13:26	Running 344326 (30)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:15:27	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:17:23	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:19:21	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:21:21	Running l344326 (31)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:23:18	Running dup344326 (32)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:25:11	Running mss344326 (33)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:27:02	Running msds344326 (34)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:28:52	Running pdss344326 (35)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:30:52	Running 344336 (36)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:32:44	Running 344337 (37)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:34:37	Running 344338 (38)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:36:28	Running 344339 (39)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:38:10	Unable to Set Check Table, mrl	NAH	Analyst	
	09/04/2013 13:38:20	Running 344340 (40)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:40:11	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:42:08	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:44:06	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:46:05	Running 344341 (41)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:47:56	Running 344342 (42)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:49:48	Running 344343 (43)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:51:42	Running 344344 (44)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:53:41	Running 344345 (45)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:55:42	Running 344346 (46)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:57:43	Running 344347 (47)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 13:59:45	Running 344348 (48)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:01:45	Running 344349 (49)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:03:46	Running 344350 (50)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/04/2013 14:05:37	Running CCV1 (18)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:07:33	Running CCV2 (19)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:09:31	Running ccb (12)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:11:30	Running 344351 (51)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:13:22	Running 344352 (52)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:15:14	Running 344353 (53)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:17:14	Running 344354 (54)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:19:15	Running 344924lcss 45654 (55)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:21:13	Running 344923mbs 45654 (56)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:23:12	Running 344355 (57)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:25:06	Running 344356 (58)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:26:59	Running l344356 (59)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:28:57	Running dup344356 (60)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:30:49	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:32:45	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:34:43	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:36:42	Running mss344356 (61)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:38:33	Running msds344356 (62)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:40:24	Running pdss344356 (63)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:42:14	Running 344357 (64)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:44:07	Running 344358 (65)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:45:59	Running 344359 (66)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:47:51	Running 344360 (67)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:49:44	Running 344361 (68)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:51:36	Running 344362 (69)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:53:28	Running 344363 (70)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:55:18	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:57:13	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 14:59:12	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:01:11	Running 344364 (71)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:03:05	Running 344365 (72)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:04:58	Running 344366 (73)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:06:52	Running 344367 (74)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:08:44	Running 344368 (75)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:10:37	Running 344369 (76)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:12:31	Running 344370 (77)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:14:22	Running 344371 (78)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:16:15	Running 344372 (79)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:18:09	Running 344373 (80)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:20:02	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:21:58	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:23:56	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:25:56	Running 344374 (81)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:27:49	Running 344929lcss 45655 (82)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:29:47	Running 344928mbs 45655 (83)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:31:46	Running 344375 (84)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:33:44	Running 344376 (85)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:35:36	Running 344377 (86)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:37:28	Running 344378 (87)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:39:19	Running l344378 (88)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:41:13	Running dup344378 (89)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/04/2013 15:43:05	Running mss344378 (90)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:44:54	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:46:49	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:48:48	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:50:47	Running msds344378 (91)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:52:38	Running pdss344378 (92)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:54:29	Running 344379 (93)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:56:20	Running 344380 (94)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 15:58:12	Running 344381 (95)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:00:04	Running 344382 (96)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:01:57	Running 344383 (97)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:03:51	Running 344384 (98)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:05:45	Running 344385 (99)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:07:37	Running 344386 (100)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:09:29	Running CCV1 (22)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:11:25	Running CCV2 (23)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:13:24	Running ccb (21)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:15:23	Running 344387 (101)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:17:17	Running 344388 (102)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:19:11	Running 344389 (103)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:21:05	Running 344390 (104)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:22:57	Running 344391 (105)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:24:49	Running 344392 (106)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:26:41	Running 344393 (107)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:28:34	Running 344394 (108)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:30:27	Running 344934lcss 45656 (109)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:32:26	Running 344933mbs 45656 (110)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:34:24	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:36:21	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:38:19	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:40:19	Running 344395 (111)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:42:12	Running 344396 (112)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:44:04	Running l344396 (113)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:46:00	Running dup344396 (114)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:47:53	Running mss344396 (115)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:49:44	Running msds344396 (116)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:51:35	Running pdss344396 (117)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:53:26	Running 344397 (118)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:55:20	Running 344398 (119)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:57:14	Running 344399 (120)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 16:59:06	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:01:03	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:03:02	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:05:01	Running 344400 (121)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:06:54	Running 344401 (122)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:08:48	Running 344403 (123)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:10:41	Running 344404 (124)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:12:42	Running 344405 (125)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:14:43	Running 344406 (126)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:16:44	Running 344407 (127)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:18:38	Running 344408 (128)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/04/2013 17:20:31	Running 344409 (129)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:22:32	Running 344410 (130)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:24:25	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:26:22	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:28:20	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:30:20	Running 344411 (131)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:32:12	Running 344412 (132)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:34:06	Running 344413 (133)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:36:01	Running 344414 (134)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:37:55	Running 344415 (135)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:39:51	Running 344939lcss 45657 (136)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:41:49	Running 344938mbs 45657 (137)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:43:49	Running 344416 (138)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:45:45	Running 344417 (139)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:47:40	Running 344418 (140)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:49:34	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:51:31	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:53:28	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:55:28	Running 344419 (141)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:57:21	Running 344420 (142)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 17:59:16	Running l344420 (143)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:01:14	Running dup344420 (144)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:03:10	Running mss344420 (145)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:05:02	Running msds344420 (146)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:06:53	Running pdss344420 (147)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:08:45	Running 344421 (148)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:10:39	Running 344422 (149)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:12:41	Running 344423 (150)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:14:33	Running CCV1 (25)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:16:30	Running CCV2 (26)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:18:28	Running ccb (24)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:20:28	Running 344424 (151)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:22:23	Running 344425 (152)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:24:16	Running 344426 (153)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:26:10	Running 344427 (154)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:28:05	Running l344427 (155)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:30:04	Running dup344427 (156)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:31:59	Running mss344427 (157)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:33:50	Running msds344427 (158)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:35:42	Running pdss344427 (159)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:37:34	Running 344428 (160)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:39:26	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:41:23	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:43:22	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:45:22	Running 344429 (161)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:47:25	Running 344430 (162)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:49:18	Running 344431 (163)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:51:13	Running 344432 (164)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:53:07	Running 344433 (165)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:55:00	Running 344434 (166)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 18:56:56	Running 344435 (167)	NAH	Analyst	S_As & Pb onlyasx(v

Type	Date/Time	Message	User name	Application	Sequence Name
	09/04/2013 18:58:47	Running MRL (15)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 19:00:46	Running CCV1 (28)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 19:02:43	Running CCV2 (29)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 19:04:42	Running ccb (27)	NAH	Analyst	S_As & Pb onlyasx(v
	09/04/2013 19:06:39	Plasma off	NAH	iTEVA Control Center	
	09/04/2013 19:06:39	Plasma extinguished successfully	NAH	Analyst	
	09/04/2013 19:06:41	Autosampler Run Completed	NAH	Analyst	S_As & Pb onlyasx(v
	09/05/2013 07:17:40	Plasma On	NAH	iTEVA Control Center	
	09/05/2013 07:17:47	Plasma ignition successful	NAH	Analyst	
	09/05/2013 07:18:42	D33534 - Debug:Wavelength check : x = -1.413, y =2.451	NAH	Analyst	

CT Laboratories Instrument Run Log

Instrument ID: ICP 6500

Date	Time (Start/End)	Analyst	Analytes	LIMS run or Samples Analyzed	Sequence ID	Cal Std ID	Neb Pressure	Comments
8-20-13	1104* / 2229*		DOD Cal	96874, 96872, 96878	D082013	m11605	120	V1394, V1395, V1397
8-20-13	1502 / 2243		DOD Cal	96878 96874	D082013	m11605	120	V1393
8-21-13	1215 / 1604		DOD Cal	96853, 96897	D082013	m11605	120	V1396, V1398
8-22-13	0700 / 1900		DOD Cal	96851, 96874	D082013	m11605	120	V1399
8-23-13	0851 / 1850		DOD Cal	97049, 97082, 97066, 97041, 97053, 97064	D082313	m11605	120	~~V1403~~ V1401
8-25-13	0907 / 1424		DOD Cal	97111, 97109, 97107	D082513	m11605	120	V56, V58
8-26-13	0948 / 1820		DOD Cal As/Pb	97108, 97110, 97112, 97113, 97164, 97165, 97184, 9786, 97196, 97199	AsPb082613	m11605	120	V62, V1404, V1405
8-27-13	1130 / 1639		DOD Cal		AsPb082713	m11605	120	V1410, V1411
8-28-13	1036 / 1914		DOD Cal	97184, 97186, 97300, 97165, 97186, 97199	Asbb082813	m11605	120	V1406
8-29-13	1431 / 0459		DOD Cal	97300, 97364, 97365, 67, 97356, 97326, 97301, 97358, 97357, 97360, 97362, 97305, 97306, 97476	D082913	m11605	120	V1409, V1412, V1413
8-30-13	0830 / 1229		DOD Cal	97378, 97329, 97579, 80, 22, 23, 84, 85	D083013	m11605	120	V64
9-4-13	1715 / 0047		As+Pb		D090413	m11605	120	
9-5-13	/		DOD Cal		D090513	m11605	120	

Change Data Base

#4 8-28-13

Type	Date/Time	Message	User name	Application	Sequence Name
	08/09/2013 20:32:56	Running lcsw45416/17 (99)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 20:36:47	Running mbw45416/17 (100)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 20:40:36	Running ccv1 (27)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 20:43:55	Running ccv2 (25)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 20:47:18	Running ccb (26)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 20:51:10	Running 335314 (101)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 20:55:12	Running 335476 (102)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 20:59:13	Running 335477 (103)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 21:03:10	Running 335478 (104)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 21:07:08	Running 335479 (105)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 21:11:05	Running 335718 (106)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 21:15:09	Running msw335718 (107)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 21:19:03	Running msdw335718 (108)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 21:22:59	Running pdsw335718 (109)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 21:26:33	Running 335303 (110)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 21:30:27	Running ccv1 (27)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 21:33:46	Running ccv2 (25)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 21:37:10	Running ccb (26)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 21:41:01	Running 335764 (111)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 21:45:09	Running lcsw45415 (112)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 21:48:50	Running mbw45415 (113)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 21:52:39	Running 335760 (114)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 21:56:42	Running l335760 (115)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 22:00:46	Running dup335760 (116)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 22:04:50	Running msw335760 (117)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 22:08:30	Running msdw335760 (118)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 22:12:09	Running pdsw335760 (119)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 22:15:50	Running lcsw45393 (120)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 22:19:29	Running ccv1 (27)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 22:22:49	Running ccv2 (25)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 22:26:12	Running ccb (26)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 22:30:03	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 22:33:52	Running ccv1 (30)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 22:37:15	Running ccv2 (28)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 22:40:39	Running ccb (29)	NAH	Analyst	S_DOD Calibration 1
	08/09/2013 22:44:28	Plasma off	NAH	iTEVA Control Center	
	08/09/2013 22:44:28	Plasma extinguished successfully	NAH	Analyst	
	08/09/2013 22:44:30	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/12/2013 06:54:25	Plasma On	NAH	iTEVA Control Center	
	08/12/2013 06:54:29	Plasma ignition successful	NAH	Analyst	
	08/12/2013 06:55:08	D33534 - Debug:Wavelength check : x = 1.709, y =-0.357	NAH	Analyst	
	08/12/2013 13:16:27	Plasma off	NAH	iTEVA Control Center	
	08/12/2013 13:16:28	Plasma extinguished successfully	NAH	Analyst	
	08/13/2013 08:20:30	Plasma On	NAH	iTEVA Control Center	
	08/13/2013 08:20:37	Plasma ignition successful	NAH	Analyst	
	08/13/2013 08:21:16	D33534 - Debug:Wavelength check : x = 1.561, y =-0.420	NAH	Analyst	
	08/13/2013 08:21:32	Plasma extinguished successfully	NAH	Analyst	
	08/13/2013 08:21:33	Plasma off	NAH	iTEVA Control Center	
	08/13/2013 08:22:11	Plasma On	NAH	iTEVA Control Center	
	08/13/2013 08:22:16	Plasma ignition successful	NAH	Analyst	
	08/13/2013 08:22:54	D33534 - Debug:Wavelength check : x = 1.588, y =-0.363	NAH	Analyst	

Type	Date/Time	Message	User name	Application	Sequence Name
	08/13/2013 12:03:24	Autosampler Run Started	NAH	Analyst	
	08/13/2013 12:03:24	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:03:48	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:06:03	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:17:48	Autosampler Run Started	NAH	Analyst	
	08/13/2013 12:17:48	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:18:12	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:21:59	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:25:50	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:29:41	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:33:30	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:37:21	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:41:11	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:44:58	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:48:41	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:52:14	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:55:31	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:59:34	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 12:59:57	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:00:50	Autosampler Run Started	NAH	Analyst	
	08/13/2013 13:00:50	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:01:14	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:04:58	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:07:04	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:12:02	Autosampler Run Started	NAH	Analyst	
	08/13/2013 13:12:02	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:12:26	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:12:51	Closing will close the method and all associated samples.	NAH	Analyst	
	08/13/2013 13:16:08	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:19:59	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:23:50	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:27:40	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:31:30	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:35:21	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:39:08	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:42:50	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:46:23	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:49:37	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:53:35	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 13:57:42	Running CalibStd-100000 (13)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 14:01:31	E33539 - : Error Updating Method with standard: Standard saturated.	NAH	Analyst	
	08/13/2013 14:01:38	Running CalibStd=500000 (14)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 14:05:35	Running CalibStd-1000k (15)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 14:09:47	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 14:13:38	Running icv (16)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 14:17:09	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 14:20:58	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 14:24:49	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 14:28:37	Running icsa (20)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 14:32:34	Running icsab (21)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 14:36:10	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/13/2013 14:39:58	Running mbw45398 (1)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 14:43:47	Running 335427 (2)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 14:47:36	Running lcsw45423 (3)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 14:51:18	Running mbw45423 (4)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 14:55:09	Running 336364 (5)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 14:59:07	Running l336364 (6)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 15:03:17	Running dup336364 (7)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 15:07:15	Running msw336364 (8)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 15:11:05	Running msdw336364 (9)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 15:14:54	Running pdsw336364 (10)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 15:18:32	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 15:21:59	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 15:25:23	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 15:29:15	Running 336365 (11)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 15:33:15	Running 336366 (12)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 15:37:13	Running 336367 (13)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 15:41:15	Running lcsw45422/24 (14)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 15:45:07	Running mbw45422/24 (15)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 15:48:56	Running 336362 (16)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 15:52:57	Running 336373 (17)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 15:56:56	Running 336376 (18)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:00:55	Running l336376 (19)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:04:58	Running dup336376 (20)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:08:55	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:12:24	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:15:47	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:19:40	Running msw336376 (21)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:23:38	Running msdw336376 (22)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:27:37	Running pdsw336376 (23)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:31:18	Running 336378 (24)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:35:20	Running 336380 (25)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:39:22	Running 336382 (26)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:43:24	Running 336384 (27)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:47:26	Running 336386 (28)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:51:28	Running 336388 (29)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:55:30	Running 336390 (30)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 16:59:31	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 17:03:01	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 17:06:23	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 17:10:16	Running 336392 (31)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 17:14:19	Running 336394 (32)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 17:18:46	Running 336396 (33)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 17:22:36	Running 336398 (34)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 17:26:39	Running 336400 (35)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 17:30:42	Running 336402 (36)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 17:34:39	Running 336404 (37)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 17:38:37	Running lcss45430 (38)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 17:42:13	Running mbs45430 (39)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 17:46:02	Running 335708 (40)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 17:49:48	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 17:53:16	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/13/2013 17:56:39	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 18:00:30	Running l335708 (41)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 18:03:56	Running dup335708 (42)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 18:07:22	Running mss335708 (43)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 18:10:58	Running msds335708 (44)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 18:14:39	Running pdss335708 (45)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 18:18:31	Running 335709 (46)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 18:22:23	Running 335710 (47)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 18:26:14	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 18:30:02	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 18:33:30	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 18:36:53	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/13/2013 18:40:46	Plasma extinguished successfully	NAH	Analyst	
	08/13/2013 18:40:46	Plasma off	NAH	iTEVA Control Center	
	08/13/2013 18:40:48	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 07:44:32	Plasma On	NAH	iTEVA Control Center	
	08/14/2013 07:44:36	Plasma ignition successful	NAH	Analyst	
	08/14/2013 07:45:16	D33534 - Debug:Wavelength check : x = 1.600, y =-0.376	NAH	Analyst	
	08/14/2013 11:54:03	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 11:54:03	Autosampler Run Started	NAH	Analyst	
	08/14/2013 11:54:26	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 11:58:12	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:02:03	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:05:55	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:09:45	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:13:36	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:17:28	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:21:15	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:24:58	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:28:32	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:31:46	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:35:49	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:39:56	Running CalibStd-100000 (13)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:43:46	E33539 - : Error Updating Method with standard: Standard saturated.	NAH	Analyst	
	08/14/2013 12:43:53	Running CalibStd=500000 (14)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:47:51	Running CalibStd-1000k (15)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:51:59	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:55:51	Running icv (16)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 12:59:22	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 13:03:12	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 13:07:01	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 13:10:50	Running icsa (20)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 13:14:48	Running icsab (21)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 13:18:24	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 13:22:12	Running mbw453922 (1)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 13:26:03	Running 336396 (2)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 13:29:54	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 13:33:41	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 13:37:18	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 13:40:42	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/14/2013 13:44:35	Plasma off	NAH	iTEVA Control Center	

Type	Date/Time	Message	User name	Application	Sequence Name
	08/14/2013 13:44:35	Plasma extinguished successfully	NAH	Analyst	
	08/14/2013 13:44:37	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 09:02:54	iTEVA loaded	NAH	iTEVA Control Center	
	08/19/2013 09:03:12	Connected to instrument 20082101	NAH	iTEVA Control Center	
	08/19/2013 09:11:27	Plasma On	NAH	iTEVA Control Center	
	08/19/2013 09:11:33	Plasma ignition successful	NAH	iTEVA Control Center	
	08/19/2013 09:12:12	D33534 - Debug:Wavelength check : x = 1.532, y =-0.402	NAH	iTEVA Control Center	
	08/19/2013 10:22:26	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:22:26	Autosampler Run Started	NAH	Analyst	
	08/19/2013 10:22:50	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:26:32	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:26:49	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:27:17	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:27:17	Autosampler Run Started	NAH	Analyst	
	08/19/2013 10:27:40	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:30:28	Closing will close the method and all associated samples.	NAH	Analyst	
	08/19/2013 10:31:27	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:31:43	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:35:55	Autosampler Run Started	NAH	Analyst	
	08/19/2013 10:35:55	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:36:19	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:40:01	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:40:34	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:45:52	Autosampler Run Started	NAH	Analyst	
	08/19/2013 10:45:52	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:46:16	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:49:15	Closing will close the method and all associated samples.	NAH	Analyst	
	08/19/2013 10:49:17	Closing will close the method and all associated samples.	NAH	Analyst	
	08/19/2013 10:49:58	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:50:12	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:51:39	Autosampler Run Started	NAH	Analyst	
	08/19/2013 10:51:39	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:52:03	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:54:45	Closing will close the method and all associated samples.	NAH	Analyst	
	08/19/2013 10:55:45	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 10:56:05	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 11:04:03	Autosampler Run Started	NAH	Analyst	
	08/19/2013 11:04:03	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 11:04:27	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 11:08:08	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 11:11:58	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 11:12:22	Closing will close the method and all associated samples.	NAH	Analyst	
	08/19/2013 11:15:50	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 11:19:39	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 11:23:30	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 11:27:21	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 11:31:10	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 11:34:53	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 11:38:31	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 11:41:46	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 11:45:53	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/19/2013 11:50:05	Running CalibStd-100000 (13)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 11:54:03	Running CalibStd=500000 (14)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 11:58:02	Running CalibStd-1000k (15)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:02:15	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:06:07	Running icv (16)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:09:39	Running ICVLL (25)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:13:23	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:17:15	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:21:07	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:24:57	Running icsa (20)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:28:56	Running icsab (21)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:32:32	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:36:20	Running lcsw45496/95 (1)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:40:12	Running mbw45496/95 (2)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:44:01	Running 339554 (3)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:47:47	Running msw339554 (4)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:51:37	Running msdw339554 (5)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:55:28	Running pdsw339554 (6)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 12:59:10	Running 339365 (7)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 13:03:16	Running msw339365 (8)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 13:07:09	Running msdw339365 (9)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 13:11:04	Running pdsw339365 (10)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 13:14:47	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 13:18:19	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 13:21:43	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 13:25:38	Running 339445 (11)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 13:29:42	Running msw339445 (12)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 13:33:41	Running msdw339445 (13)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 13:37:36	Running pdsw339445 (14)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 13:41:18	Running 339447 (15)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 13:45:21	Running 339448 (16)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 13:49:23	Running 339449 (17)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 13:53:26	Running 339458 (18)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 13:57:32	Running lcsw45498 (19)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:01:24	Running mbw45498 (20)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:05:14	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:08:44	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:12:08	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:16:00	Running 339570 (21)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:20:07	Running l339570 (22)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:24:05	Running dup339570 (23)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:28:11	Running msw339570 (24)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:32:01	Running msdw339570 (25)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:35:53	Running pdsw339570 (26)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:39:40	Running lcsw45497 (27)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:43:32	Running mbw45497 (28)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:47:23	Running 339561 (29)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:51:13	Running l339561 (30)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:55:05	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 14:58:35	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 15:01:59	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/19/2013 15:05:51	Running dup339561 (31)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 15:09:43	Running msw339561 (32)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 15:13:34	Running msdw339561 (33)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 15:17:27	Running pdsw339561 (34)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 15:21:11	Running lcswtclp (35)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 15:24:55	Running mbwtclp (36)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 15:28:45	Running 336989 (37)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 15:32:50	Running msw336989 (38)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 15:36:45	Running 339382 (39)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 15:41:07	Running msw339382 (40)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 15:45:06	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 15:48:36	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 15:52:00	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 15:55:52	Running msdw339382 (41)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 15:59:49	Running 339536 (42)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 16:03:36	Running 339537 (43)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 16:07:24	Running 339538 (44)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 16:11:15	Running 339539 (45)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 16:15:04	Running msw339539 (46)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 16:18:47	Running msdw339539 (47)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 16:22:30	Running 338910 (48)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 16:26:33	Running 338911 (49)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 16:30:26	Running 338912 (50)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 16:34:29	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 16:37:57	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 16:41:22	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 16:45:14	Running 338913 (51)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 16:49:15	Running msw338913 (52)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 16:52:57	Running msdw338913 (53)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 16:56:38	Running lcsw45479 (54)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:00:16	Running mbw45479 (55)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:04:07	Running 336370 (56)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:08:08	Running l336370 (57)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:12:11	Running dup336370 (58)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:16:12	Running msw336370 (59)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:20:01	Running msdw336370 (60)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:23:50	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:27:20	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:30:44	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:34:37	Running pdsw336370 (61)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:38:18	Running lcsw45478/77 (62)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:42:11	Running mbw45478/77 (63)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:46:02	Running 338280 (64)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:50:05	Running 338281 (65)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:54:10	Running 338283 (66)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 17:58:20	Running 338771 (67)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 18:02:29	Running msw338771 (68)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 18:06:27	Running msdw338771 (69)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 18:10:26	Running pdsw338771 (70)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 18:14:08	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 18:17:38	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/19/2013 18:21:02	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 18:24:54	Running 337837 (71)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 18:28:57	Running 338440 (72)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 18:32:54	Running msw338440 (73)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 18:36:52	Running msdw338440 (74)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 18:40:49	Running pdsw338440 (75)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 18:44:27	Running 338483 (76)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 18:48:31	Running lcsw45480/83 (77)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 18:52:25	Running mbw45480/83 (78)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 18:56:16	Running 338540 (79)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:00:25	Running l338540 (80)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:04:29	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:07:53	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:11:19	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:15:12	Running dup338540 (81)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:19:22	Running msw338540 (82)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:23:12	Running msdw338540 (83)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:27:02	Running pdsw338540 (84)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:30:44	Running lcsw45481/82 (85)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:34:37	Running mbw45481/82 (86)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:38:29	Running 339932 (87)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:42:38	Running l339932 (88)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:46:42	Running dup339932 (89)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:50:52	Running msw339932 (90)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:54:42	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 19:58:05	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:01:30	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:05:23	Running msdw339932 (91)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:09:13	Running pdsw339932 (92)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:12:56	Running lcsw45492 (93)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:16:36	Running mbw45492 (94)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:20:29	Running 338795 (95)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:24:33	Running l338795 (96)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:28:38	Running dup338795 (97)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:32:42	Running msw338795 (98)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:36:33	Running msdw338795 (99)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:40:25	Running pdsw338795 (100)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:44:08	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:47:31	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:50:58	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:54:51	Running 338797 (101)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 20:58:56	Running 338799 (102)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 21:02:58	Running 338801 (103)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 21:06:58	Running lcsw45491 (104)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 21:10:40	Running mbw45491 (105)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 21:14:32	Running 338796 (106)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 21:18:37	Running l338796 (107)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 21:22:43	Running dup338796 (108)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 21:26:47	Running msw338796 (109)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 21:30:39	Running msdw338796 (110)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 21:34:31	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/19/2013 21:37:55	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 21:41:21	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 21:45:14	Running pdsw338796 (111)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 21:48:58	Running 338798 (112)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 21:53:02	Running 338800 (113)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 21:57:07	Running 338802 (114)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 22:01:11	Running lcss45471 (115)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 22:04:30	Running mbs45471 (116)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 22:08:24	Running 338447 (117)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 22:12:22	Running mss338447 (118)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 22:15:53	Running msds338447 (119)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 22:19:24	Running pdss338447 (120)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 22:23:07	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 22:26:28	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 22:29:55	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 22:33:47	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 22:37:38	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 22:41:02	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 22:44:30	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 22:48:21	Plasma off	NAH	iTEVA Control Center	
	08/19/2013 22:48:22	Plasma extinguished successfully	NAH	Analyst	
	08/19/2013 22:48:24	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/19/2013 22:48:26		NAH	iTEVA Control Center	
	08/19/2013 22:51:42	D33100 - Debug:IIO Internal software error.	NAH	iTEVA Control Center	
	08/20/2013 06:58:36	iTEVA loaded	NAH	iTEVA Control Center	
	08/20/2013 06:59:22	Connected to instrument 20082101	NAH	iTEVA Control Center	
	08/20/2013 07:20:26	Plasma On	NAH	iTEVA Control Center	
	08/20/2013 07:20:31	Plasma ignition successful	NAH	iTEVA Control Center	
	08/20/2013 07:20:45	E1251 - : Firmware not ready to process command - operation aborted.	NAH	iTEVA Control Center	
	08/20/2013 07:25:25	iTEVA loaded	NAH	iTEVA Control Center	
	08/20/2013 07:25:43	Connected to instrument 20082101	NAH	iTEVA Control Center	
	08/20/2013 07:26:25	Plasma On	NAH	iTEVA Control Center	
	08/20/2013 07:27:40	Plasma extinguished successfully	NAH	Analyst	
	08/20/2013 07:27:40	Plasma off	NAH	iTEVA Control Center	
	08/20/2013 07:28:49	iTEVA loaded	NAH	iTEVA Control Center	
	08/20/2013 07:30:13	Connected to instrument 20082101	NAH	iTEVA Control Center	
	08/20/2013 07:31:29	Plasma On	NAH	iTEVA Control Center	
	08/20/2013 07:31:34	Plasma ignition successful	NAH	iTEVA Control Center	
	08/20/2013 07:32:21	D33534 - Debug:Wavelength check : x = 1.138, y =-0.496	NAH	iTEVA Control Center	
	08/20/2013 07:48:26	Autosampler Run Started	NAH	Analyst	
	08/20/2013 07:48:26	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 07:48:49	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 07:52:35	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 07:56:27	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:00:20	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:04:13	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:08:06	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:11:58	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:13:40	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:16:59	Autosampler Run Started	NAH	Analyst	
	08/20/2013 08:16:59	Sequence Started	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/20/2013 08:17:23	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:17:45	Closing will close the method and all associated samples.	NAH	Analyst	
	08/20/2013 08:21:07	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:22:42	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:23:57	Autosampler Run Started	NAH	Analyst	
	08/20/2013 08:23:57	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:24:21	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:26:31	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:28:16	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:28:16	Autosampler Run Started	NAH	Analyst	
	08/20/2013 08:28:41	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:28:57	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:29:45	Autosampler Run Started	NAH	Analyst	
	08/20/2013 08:29:45	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:30:08	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:32:26	Closing will close the method and all associated samples.	NAH	Analyst	
	08/20/2013 08:32:28	Closing will close the method and all associated samples.	NAH	Analyst	
	08/20/2013 08:33:51	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:34:16	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:36:14	D33534 - Debug:Wavelength check : x = 1.710, y =0.757	NAH	Analyst	
	08/20/2013 08:38:09	Auto Peak	NAH	Analyst	
	08/20/2013 08:40:28	Auto Peak	NAH	Analyst	
	08/20/2013 08:44:21	Auto Peak	NAH	Analyst	
	08/20/2013 08:45:57	Auto Peak	NAH	Analyst	
	08/20/2013 08:48:16	Auto Peak	NAH	Analyst	
	08/20/2013 08:51:29	Auto Peak	NAH	Analyst	
	08/20/2013 08:56:20	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 08:56:20	Autosampler Run Started	NAH	Analyst	
	08/20/2013 08:56:44	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:00:25	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:04:18	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:08:11	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:12:02	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:15:54	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:19:46	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:23:35	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:27:20	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:30:57	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:34:13	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:38:09	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:42:16	Running CalibStd-100000 (13)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:46:38	Running CalibStd=500000 (14)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:50:39	Running CalibStd-1000k (15)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:54:50	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 09:58:44	Running icv (16)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 10:02:24	Running ICVLL (25)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 10:06:09	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 10:10:06	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 10:13:59	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 10:17:56	Running icsa (20)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 10:21:59	Running icsab (21)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/20/2013 10:25:43	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 10:29:32	Running lod check1 (1)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 10:33:38	Running lcss44510 (2)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 10:37:27	Running mbs44510 (3)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 10:41:17	Running 337811 (4)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 10:45:11	Running 337812 (5)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 10:49:05	Running 337813 (6)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 10:53:03	Running 337815 (7)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 10:57:00	Running l337815 (8)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:00:50	Running dup337815 (9)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:04:41	Running mss337815 (10)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:08:31	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:11:55	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:12:21	Cannot update method with modified line positions following an Auto Pe	NAH	Analyst	
	08/20/2013 11:15:24	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:19:17	Running msds337815 (11)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:23:12	Running pdss337815 (12)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:27:03	Running 337818 (13)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:30:53	Running 337820 (14)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:34:44	Running 337822 (15)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:38:37	Running 337824 (16)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:42:28	Running 337826 (17)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:46:22	Running 337828 (18)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:50:23	Running 337830 (19)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:54:21	Running 337832 (20)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:58:09	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 11:59:36	Cannot update method with modified line positions following an Auto Pe	NAH	Analyst	
	08/20/2013 12:01:31	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 12:05:00	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 12:08:53	Running 337835 (21)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 12:12:44	Running lcss45512 (22)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 12:16:28	Running mbs45512 (23)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 12:20:21	Running 338286 (24)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 12:24:12	Running 338351 (25)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 12:27:54	Running 338353 (26)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 12:31:45	Running l338353 (27)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 12:35:29	Running dup338353 (28)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 12:39:21	Running mss338353 (29)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 12:43:07	Running msds338353 (30)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 12:46:54	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 12:50:16	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 12:53:44	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 12:57:38	Running pdss338353 (31)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 13:01:42	Running 338357 (32)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 13:05:26	Running 338359 (33)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 13:09:25	Running 338361 (34)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 13:13:08	Running 338363 (35)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 13:16:50	Running 338367 (36)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 13:20:32	Running 338369 (37)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 13:24:14	Running l338369 (38)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 13:28:05	Running dup338369 (39)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/20/2013 13:31:48	Running mss338369 (40)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 13:35:31	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 13:38:54	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 13:42:24	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 13:46:18	Running msds338369 (41)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 13:49:55	Running pdss338369 (42)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 13:53:42	Running pdss338369 (43)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 13:57:24	Running 338373 (44)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 14:01:08	Running 338375 (45)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 14:04:59	Running 338377 (46)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 14:08:41	Running 338379 (47)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 14:12:23	Running 338381 (48)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 14:16:14	Running 338383 (49)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 14:19:47	Running 338387 (50)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 14:23:23	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 14:26:40	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 14:30:11	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 14:34:06	Running 338487 (51)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 14:35:08	iTEVA loaded	NAH	iTEVA Control Center	
	08/20/2013 14:35:27	Connected to instrument 20082101	NAH	iTEVA Control Center	
	08/20/2013 14:36:08	Plasma On	NAH	iTEVA Control Center	
	08/20/2013 14:56:47	Autosampler Run Started	NAH	Analyst	
	08/20/2013 14:56:47	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 14:57:11	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 14:59:20	Closing will close the method and all associated samples.	NAH	Analyst	
	08/20/2013 15:00:57	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:01:27	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:01:48	Autosampler Run Started	NAH	Analyst	
	08/20/2013 15:01:48	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:02:12	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:05:55	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:09:49	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:13:43	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:17:36	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:21:30	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:25:23	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:29:14	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:33:01	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:36:38	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:39:56	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:43:51	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:47:45	Running CalibStd-100000 (13)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:51:44	Running CalibStd=500000 (14)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:55:40	Running CalibStd-1000k (15)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 15:59:48	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 16:03:43	Running icv (16)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 16:07:20	Running ICVLL (25)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 16:11:13	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 16:15:07	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 16:19:01	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 16:22:53	Running icsa (20)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/20/2013 16:26:50	Running icsab (21)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 16:30:21	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 16:34:12	Running lod check1 (1)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 16:38:06	Running 338387 (50)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 16:41:50	Running 338407 (51)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 16:45:40	Running lcss45511 (54)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 16:49:07	Running mbs45511 (55)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 16:53:00	Running 339622 (56)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 16:56:48	Running mss339622 (57)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:00:29	Running msds339622 (58)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:04:09	Running pdss339622 (59)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:07:46	Running 339623 (60)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:11:43	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:15:12	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:18:41	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:22:37	Running 339624 (61)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:26:28	Running 339625 (62)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:30:19	Running 339626 (63)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:34:17	Running 339627 (64)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:38:09	Running 339628 (63)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:42:01	Running 339881 (64)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:45:55	Running 339882 (65)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:50:00	Running 339892 (66)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:53:57	Running 339893 (67)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 17:58:18	Running 339894 (68)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 18:02:38	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 18:06:03	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 18:09:33	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 18:13:28	Running 339895 (69)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 18:17:50	Running 339896 (70)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 18:22:12	Running 339897 (71)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 18:26:33	Running msw339897 (72)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 18:30:36	Running msdw339897 (73)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 18:34:38	Running 337811 (4)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 18:38:23	Running 337812 (5)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 18:42:08	Running 337813 (6)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 18:45:49	Running 337815 (7)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 18:49:34	Running l337815 (8)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 18:53:30	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 18:56:55	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 19:00:25	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 19:04:20	Running dup337815 (9)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 19:08:05	Running mss337815 (10)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 19:11:49	Running msds337815 (11)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 19:15:33	Running pdss337815 (12)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 19:19:16	Running 337818 (13)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 19:23:02	Running 337820 (14)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 19:26:47	Running 337822 (15)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 19:30:32	Running 337824 (16)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 19:34:17	Running 337826 (17)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 19:38:02	Running 337828 (18)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/20/2013 19:41:48	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 19:45:12	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 19:48:41	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 19:52:35	Running 337830 (19)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 19:56:21	Running 337832 (20)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:00:07	Running 337835 (21)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:03:53	Running 338286 (24)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:07:39	Running 338351 (25)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:11:23	Running 338353 (26)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:15:07	Running l338353 (27)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:19:00	Running dup338353 (28)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:22:44	Running mss338353 (29)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:26:25	Running msds338353 (30)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:30:07	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:33:32	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:37:02	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:40:58	Running pdss338353 (31)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:44:39	Running 338355 (32)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:48:25	Running 338357 (33)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:52:10	Running 338359 (34)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:55:57	Running 338361 (35)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 20:59:43	Running 338363 (36)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:03:28	Running 338367 (37)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:07:11	Running 338369 (38)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:10:55	Running l338369 (39)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:14:50	Running dup338369 (40)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:18:36	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:22:00	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:25:31	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:29:24	Running mss338369 (41)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:33:07	Running msds338369 (42)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:36:50	Running pdss338369 (43)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:40:32	Running 338371 (44)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:44:16	Running 338373 (45)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:48:00	Running 338375 (46)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:51:47	Running 338377 (47)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:55:34	Running 338379 (48)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 21:59:19	Running 338381 (49)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 22:03:04	Running 338383 (50)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 22:06:58	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 22:10:23	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 22:13:54	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 22:17:49	Running 338387 (77)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 22:21:34	Running 338407 (78)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 22:25:18	Running lod chk2 (52)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 22:29:01	Running 338911 (74)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 22:33:06	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 22:36:59	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 22:40:24	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 22:43:55	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/20/2013 22:47:49	Plasma off	NAH	iTEVA Control Center	

Type	Date/Time	Message	User name	Application	Sequence Name
	08/20/2013 22:47:49	Plasma extinguished successfully	NAH	Analyst	
	08/20/2013 22:47:51	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 06:44:57	Plasma On	NAH	iTEVA Control Center	
	08/21/2013 06:45:03	Plasma ignition successful	NAH	Analyst	
	08/21/2013 06:45:42	D33534 - Debug:Wavelength check : x = 2.106, y =0.711	NAH	Analyst	
	08/21/2013 12:03:54	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:03:54	Autosampler Run Started	NAH	Analyst	
	08/21/2013 12:04:18	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:08:04	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:12:01	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:14:11	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:14:52	Autosampler Run Started	NAH	Analyst	
	08/21/2013 12:14:52	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:15:16	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:19:02	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:22:57	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:26:51	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:30:46	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:34:40	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:38:35	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:42:27	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:46:15	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:49:54	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:53:16	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 12:57:13	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:01:08	Running CalibStd-100000 (13)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:05:07	Running CalibStd=500000 (14)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:08:58	Running CalibStd-1000k (15)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:13:06	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:17:05	Running icv (16)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:20:43	Running ICVLL (25)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:24:29	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:28:24	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:28:44	Closing will close the method and all associated samples.	NAH	Analyst	
	08/21/2013 13:32:20	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:36:16	Running icsa (20)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:40:13	Running icsab (21)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:43:41	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:47:33	Running blk1 (1)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:51:28	Running mbw45497 (2)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:55:24	Running 339561 (3)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 13:59:20	Running l339561 (4)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 14:03:14	Running dup339561 (5)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 14:07:15	Running 339881 (6)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 14:11:11	Running 339882 (7)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 14:15:04	Running 339892 (8)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 14:19:36	Running 339893 (9)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 14:23:59	Running 339894 (10)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 14:28:21	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 14:31:55	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 14:35:26	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/21/2013 14:39:21	Running 339895 (11)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 14:43:43	Running 339896 (12)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 14:48:04	Running 339897 (13)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 14:52:25	Running msw339897 (14)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 14:56:21	Running msdw339897 (15)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:00:14	Running 338387 (16)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:04:04	Running 338407 (17)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:07:48	Running 338387 (18)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:11:32	Running 338407 (19)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:15:19	Running 338375 (20)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:19:03	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:22:31	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:26:03	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:29:59	Running 338369 (21)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:33:50	Running L338369 (22)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:37:36	Running DUP338369 (23)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:41:27	Running MSS338369 (24)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:45:25	Running MSDS338369 (25)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:49:19	Running PDSS338369 (26)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:53:21	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 15:57:13	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 16:00:39	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 16:04:10	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/21/2013 16:08:06	Plasma extinguished successfully	NAH	Analyst	
	08/21/2013 16:08:06	Plasma off	NAH	iTEVA Control Center	
	08/21/2013 16:08:09	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 09:07:50	Plasma On	NAH	iTEVA Control Center	
	08/22/2013 09:07:56	Plasma ignition successful	NAH	Analyst	
	08/22/2013 09:08:34	D33534 - Debug:Wavelength check : x = 1.994, y =0.743	NAH	Analyst	
	08/22/2013 12:55:52	Autosampler Run Started	NAH	Analyst	
	08/22/2013 12:55:52	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 12:56:15	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 12:59:59	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 13:03:55	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 13:07:51	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 13:11:47	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 13:15:42	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 13:19:38	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 13:23:40	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 13:27:30	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 13:31:10	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 13:34:32	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 13:38:31	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 13:42:28	Running CalibStd-100000 (13)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 13:46:29	Running CalibStd=500000 (14)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 13:50:19	Running CalibStd-1000k (15)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 13:54:33	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 13:58:29	Running icv (16)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 14:02:08	Running ICVLL (25)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 14:05:55	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 14:09:51	Running icb (17)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/22/2013 14:13:49	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 14:17:46	Running icsa (20)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 14:21:34	Running icsab (21)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 14:25:05	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 14:28:58	Running 338383 (1)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 14:32:42	Running 338911 (2)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 14:36:49	Running lcss45512 (3)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 14:40:32	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 14:44:24	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 14:47:47	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 14:47:57	Closing will close the method and all associated samples.	NAH	Analyst	
	08/22/2013 14:51:20	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/22/2013 14:55:15	Plasma off	NAH	iTEVA Control Center	
	08/22/2013 14:55:15	Plasma extinguished successfully	NAH	Analyst	
	08/22/2013 14:55:17	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 09:45:04	iTEVA loaded	NAH	iTEVA Control Center	
	08/23/2013 09:45:22	Connected to instrument 20082101	NAH	iTEVA Control Center	
	08/23/2013 09:54:37	iTEVA loaded	NAH	iTEVA Control Center	
	08/23/2013 09:54:55	Connected to instrument 20082101	NAH	iTEVA Control Center	
	08/23/2013 09:55:58	Plasma On	NAH	iTEVA Control Center	
	08/23/2013 09:56:02	Plasma ignition successful	NAH	iTEVA Control Center	
	08/23/2013 09:56:41	D33534 - Debug:Wavelength check : x = 1.950, y =0.758	NAH	iTEVA Control Center	
	08/23/2013 10:45:27	E9000 - : Plasma went out unexpectedly; please refer to error message	NAH	iTEVA Control Center	
	08/23/2013 10:46:34	Plasma ignition successful	NAH	iTEVA Control Center	
	08/23/2013 10:47:11	D33534 - Debug:Wavelength check : x = 1.710, y =0.716	NAH	iTEVA Control Center	
	08/23/2013 11:07:47	Plasma On	NAH	iTEVA Control Center	
	08/23/2013 12:35:19	Autosampler Run Started	NAH	Analyst	
	08/23/2013 12:35:19	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 12:35:43	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 12:39:23	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 12:42:55	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 12:46:18	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 12:49:41	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 12:50:02	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 12:50:39	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 12:50:39	Autosampler Run Started	NAH	Analyst	
	08/23/2013 12:51:02	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 12:53:35	Closing will close the method and all associated samples.	NAH	Analyst	
	08/23/2013 12:54:22	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 12:57:45	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:01:07	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:04:30	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:07:51	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:11:12	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:14:32	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:17:48	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:20:54	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:23:40	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:27:04	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:30:27	Running CalibStd-100000 (13)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:33:58	Running CalibStd=500000 (14)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/23/2013 13:37:15	Running CalibStd-1000k (15)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:40:50	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:44:09	Running icv (16)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:47:16	Running ICVLL (25)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:50:30	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:53:52	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 13:57:14	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:00:33	Running icsa (20)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:03:49	Running icsab (21)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:06:46	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:10:06	Running lcsw tclp (1)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:13:11	Running mbw tclp (2)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:16:32	Running 340104 (3)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:20:06	Running 340948 (4)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:24:04	Running 340949 (5)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:27:33	Running 341863 (6)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:31:03	Running 341968 (7)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:34:52	Running 341972 (8)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:38:39	Running 341974 (9)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:42:10	Running 342400 (10)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:45:34	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:48:19	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:51:16	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:54:39	Running msw342400 (11)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 14:57:43	Running 341308 (12)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:01:26	Running msw341308 (13)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:04:31	Running msdw341308 (14)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:07:37	Running 342073 (15)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:11:20	Running 342074 (16)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:15:02	Running 342075 (17)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:18:44	Running 342076 (18)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:22:22	Running 342077 (19)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:26:04	Running 342078 (20)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:29:45	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:32:30	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:35:28	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:38:52	Running 342079 (21)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:42:13	Running msw342079 (22)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:45:20	Running msdw342079 (23)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:48:28	Running lcsw45555/56 (24)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:51:52	Running mbw45555/56 (25)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:55:13	Running 340167 (26)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 15:58:49	Running l340167 (27)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:02:23	Running dup340167 (28)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:05:59	Running msw340167 (29)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:09:22	Running msdw340167 (30)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:12:44	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:15:30	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:18:28	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:21:52	Running pdsw340167 (31)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:24:58	Running 340965 (32)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/23/2013 16:28:32	Running 340983 (33)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:32:07	Running 340989 (34)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:35:41	Running 340995 (35)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:39:13	Running 340997 (36)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:42:33	Running 340999 (37)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:46:05	Running 940953 (38)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:49:39	Running 940955 (39)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:53:12	Running 940957 (40)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:56:43	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 16:59:28	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:02:27	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:05:50	Running 940959 (41)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:09:24	Running 940961 (42)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:12:58	Running 940963 (43)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:16:33	Running 940967 (44)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:20:07	Running 940973 (45)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:23:41	Running 940975 (46)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:27:15	Running 940977 (47)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:30:50	Running 940979 (48)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:34:25	Running 940981 (49)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:38:00	Running 940985 (50)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:41:33	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:44:18	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:47:17	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:50:41	Running 940987 (51)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:54:15	Running 940991 (52)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 17:57:49	Running 940993 (53)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:01:21	Running lcsw45554 (54)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:04:32	Running mbw45554 (55)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:07:57	Running 339578 (56)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:11:27	Running 339580 (57)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:15:01	Running l339580 (58)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:18:33	Running dup339580 (59)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:22:08	Running msw339580 (60)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:25:35	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:28:20	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:31:19	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:34:43	Running msdw339580 (61)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:38:10	Running pdsw339580 (62)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:41:21	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:44:42	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:47:28	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:50:26	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/23/2013 18:53:47	Plasma off	NAH	iTEVA Control Center	
	08/23/2013 18:53:48	Plasma extinguished successfully	NAH	Analyst	
	08/23/2013 18:53:50	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/25/2013 08:16:27	Plasma On	NAH	iTEVA Control Center	
	08/25/2013 08:16:33	Plasma ignition successful	NAH	Analyst	
	08/25/2013 08:17:12	D33534 - Debug:Wavelength check : x = 1.989, y =0.743	NAH	Analyst	
	08/25/2013 09:07:05	Autosampler Run Started	NAH	Analyst	
	08/25/2013 09:07:05	Sequence Started	NAH	Analyst	S_As & Pb only(v54)

Type	Date/Time	Message	User name	Application	Sequence Name
	08/25/2013 09:07:28	Running Blank (1)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:09:29	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:11:30	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:13:32	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:15:34	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:17:36	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:19:34	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:21:27	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:23:24	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:25:19	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:27:39	Running ICV1 (16)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:29:35	Running ICV2 (17)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:31:31	Running icvLL (20)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:33:31	Running icb (11)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:35:33	Running MRL (15)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:37:36	Running icsa (13)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:39:31	Running icsab (14)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:41:24	Running lcss45582 (1)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:43:22	Running mbs45582 (2)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:45:23	Running 341678 (3)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:47:21	Running 341679 (4)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:49:18	Running 341780 (5)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:51:13	Running l341680 (6)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:53:11	Running dup341680 (7)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:55:08	Running mss341680 (8)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:57:10	Running msds341680 (9)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 09:59:03	Running pdss341680 (10)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:00:55	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:02:50	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:04:50	Running ccb (12)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:06:53	Running 341696 (11)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:08:49	Running 341700 (12)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:10:53	Running 341701 (13)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:12:47	Running 341702 (14)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:14:42	Running 341703 (15)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:16:36	Running 341704 (16)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:18:32	Running 341705 (17)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:20:27	Running 341706 (18)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:28:08	iTEVA loaded	NAH	iTEVA Control Center	
	08/25/2013 10:28:26	Connected to instrument 20082101	NAH	iTEVA Control Center	
	08/25/2013 10:29:08	Plasma On	NAH	iTEVA Control Center	
	08/25/2013 10:33:48	Autosampler Run Started	NAH	Analyst	
	08/25/2013 10:33:48	Sequence Started	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:34:11	Running Blank (1)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:34:19	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/25/2013 10:34:19	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/25/2013 10:34:19	Unable to Set Check Table, ICVLL	NAH	Analyst	
	08/25/2013 10:36:33	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:37:13	Autosampler Run Completed	NAH	Analyst	S_As & Pb only(v54)
	08/25/2013 10:39:22	Autosampler Run Started	NAH	Analyst	
	08/25/2013 10:39:22	Sequence Started	NAH	Analyst	S_As & Pb only(v55)

Type	Date/Time	Message	User name	Application	Sequence Name
	08/25/2013 10:39:45	Running Blank (1)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 10:41:42	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 10:43:54	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 10:45:54	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 10:47:54	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 10:49:54	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 10:51:51	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 10:53:42	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 10:55:37	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 10:57:29	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 10:59:51	Running ICV1 (16)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:01:46	Running ICV2 (17)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:03:41	Running icvLL (20)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:05:39	Running icb (11)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:07:39	Running MRL (15)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:09:39	Running icsa (13)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:11:33	Running icsab (14)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:13:25	Running 341696 (11)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:15:20	Running 341700 (12)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:17:21	Running 341701 (13)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:19:14	Running 341702 (14)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:21:07	Running 341703 (15)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:22:59	Running 341704 (16)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:24:51	Running 341705 (17)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:26:43	Running 341706 (18)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:28:44	Running 341707 (19)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:30:45	Running 341708 (20)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:32:38	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:34:31	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:36:30	Running ccb (12)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:38:30	Running 341709 (21)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:40:23	Running 341710 (22)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:42:16	Running 341711 (23)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:44:10	Running 341712 (24)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:46:03	Running 341713 (25)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:47:55	Running 341714 (26)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:49:47	Running 341715 (27)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:51:40	Running lcss45583 (28)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:53:36	Running mbs45583 (29)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:55:35	Running 341716 (30)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:57:26	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 11:59:19	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:01:17	Running ccb (12)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:03:18	Running 341717 (31)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:05:11	Running 341718 (32)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:07:03	Running 341719 (33)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:08:56	Running l341719 (34)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:10:50	Running dup341719 (35)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:12:43	Running mss341919 (36)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:14:35	Running msds341719 (37)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:16:25	Running pdss341719 (38)	NAH	Analyst	S_As & Pb only(v55)

Type	Date/Time	Message	User name	Application	Sequence Name
	08/25/2013 12:18:16	Running 341720 (39)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:20:08	Running 341721 (40)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:22:00	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:23:54	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:25:52	Running ccb (12)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:27:53	Running 341722 (41)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:29:58	Running 341723 (42)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:32:01	Running 341724 (43)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:33:54	Running 341725 (44)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:35:48	Running 341726 (45)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:37:50	Running 341727 (46)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:39:53	Running 341728 (47)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:41:46	Running 341729 (48)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:43:48	Running 341730 (49)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:45:50	Running 341731 (50)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:47:42	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:49:35	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:51:34	Running ccb (12)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:53:35	Running 341732 (51)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:55:27	Running 341733 (52)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:57:21	Running 341734 (53)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 12:59:15	Running 341735 (54)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:01:09	Running lcss45586 (55)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:03:05	Running mbs45586 (56)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:05:05	Running 341786 (57)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:06:58	Running 341787 (58)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:08:51	Running 341788 (59)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:10:44	Running 341789 (60)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:12:36	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:14:29	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:16:28	Running ccb (12)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:18:28	Running 341790 (61)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:20:20	Running 341791 (62)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:22:12	Running 341792 (63)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:24:07	Running 341793 (64)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:26:00	Running 341794 (65)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:27:52	Running 341795 (66)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:29:44	Running l341795 (67)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:31:39	Running dup341795 (68)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:33:31	Running mss341795 (69)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:35:22	Running msd341795 (70)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:37:12	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:39:04	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:41:03	Running ccb (12)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:43:04	Running pdss341795 (71)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:44:54	Running 341796 (72)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:46:46	Running 341797 (73)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:48:39	Running 341798 (74)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:50:32	Running l341798 (75)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:52:25	Running dup341798 (76)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:54:18	Running mss341798 (77)	NAH	Analyst	S_As & Pb only(v55)

Type	Date/Time	Message	User name	Application	Sequence Name
	08/25/2013 13:56:08	Running msds341798 (78)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:58:04	Running pdss341798 (79)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 13:59:54	Running 341799 (80)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 14:01:46	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 14:03:38	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 14:05:37	Running ccb (12)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 14:07:38	Running 341800 (81)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 14:09:31	Running 341801 (82)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 14:11:23	Running 341802 (83)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 14:13:16	Running 341803 (84)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 14:15:10	Running 341804 (85)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 14:17:03	Running 341805 (86)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 14:18:54	Running MRL (15)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 14:20:53	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 14:22:45	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 14:24:44	Running ccb (21)	NAH	Analyst	S_As & Pb only(v55)
	08/25/2013 14:26:45	Plasma extinguished successfully	NAH	Analyst	
	08/25/2013 14:26:45	Plasma off	NAH	iTEVA Control Center	
	08/25/2013 14:26:47	Autosampler Run Completed	NAH	Analyst	S_As & Pb only(v55)
	08/26/2013 06:38:12	Plasma On	NAH	iTEVA Control Center	
	08/26/2013 06:38:17	Plasma ignition successful	NAH	Analyst	
	08/26/2013 06:38:56	D33534 - Debug:Wavelength check : x = 2.024, y =0.738	NAH	Analyst	
	08/26/2013 09:47:48	Autosampler Run Started	NAH	Analyst	
	08/26/2013 09:47:48	Sequence Started	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 09:48:11	Running Blank (1)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 09:50:10	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 09:52:09	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 09:54:09	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 09:56:09	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 09:58:10	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:00:06	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:01:56	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:03:49	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:05:41	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:07:59	Running ICV1 (16)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:09:55	Running ICV2 (17)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:11:49	Running icvLL (20)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:13:47	Running icb (11)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:15:47	Running MRL (15)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:17:47	Running icsa (13)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:19:40	Running icsab (14)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:21:32	Running lcss45584 (1)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:23:27	Running mbs45584 (2)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:25:27	Running 341736 (3)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:27:20	Running 341737 (4)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:29:13	Running 341738 (5)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:31:07	Running 341739 (6)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:32:59	Running 341740 (7)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:34:52	Running 341741 (8)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:36:44	Running 341742 (9)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:38:37	Running l341742 (10)	NAH	Analyst	S_As & Pb only(v59)

Type	Date/Time	Message	User name	Application	Sequence Name
	08/26/2013 10:40:33	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:42:26	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:42:45	Autosampler Run Completed	NAH	Analyst	S_As & Pb only(v59)
	08/26/2013 10:48:25	Autosampler Run Started	NAH	Analyst	
	08/26/2013 10:48:25	Sequence Started	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 10:48:48	Running Blank (1)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 10:50:45	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 10:52:44	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 10:54:44	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 10:56:44	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 10:58:45	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:00:42	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:02:33	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:04:26	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:06:19	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:08:37	Running ICV1 (16)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:10:32	Running ICV2 (17)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:12:27	Running icvLL (20)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:14:25	Running icb (11)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:16:24	Running MRL (15)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:18:24	Running icsa (13)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:20:18	Running icsab (14)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:22:10	Running lcss45584 (1)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:24:05	Running mbs45584 (2)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:26:05	Running 341736 (3)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:27:57	Running 341737 (4)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:29:50	Running 341738 (5)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:31:42	Running 341739 (6)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:33:35	Running 341740 (7)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:35:27	Running 341741 (8)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:37:20	Running 341742 (9)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:39:12	Running l341742 (10)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:41:08	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:43:01	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:45:00	Running ccb (12)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:47:00	Running dup341742 (11)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:48:52	Running mss341742 (12)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:50:43	Running msds341742 (13)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:52:33	Running pdss341742 (14)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:54:23	Running 341743 (15)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:56:15	Running 341744 (16)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:58:07	Running 341745 (17)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 11:59:59	Running 341746 (18)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:01:51	Running 341747 (19)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:03:43	Running 341748 (20)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:05:35	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:07:28	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:09:26	Running ccb (12)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:11:26	Running 341749 (21)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:13:19	Running 341750 (22)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:15:11	Running 341751 (23)	NAH	Analyst	S_As & Pb only(v61)

Type	Date/Time	Message	User name	Application	Sequence Name
	08/26/2013 12:17:04	Running 341752 (24)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:18:56	Running 341753 (25)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:20:49	Running 341754 (26)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:22:41	Running l341754 (27)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:24:35	Running dup341754 (28)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:26:27	Running mss341754 (29)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:28:17	Running msds341754 (30)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:30:07	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:31:59	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:33:44	Closing will close the method and all associated samples.	NAH	Analyst	
	08/26/2013 12:33:58	Running ccb (12)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:35:58	Running pdss341754 (31)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:37:49	Running 341755 (32)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:39:42	Running lcss45585 (33)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:41:38	Running mbs45585 (34)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:43:38	Running 341756 (35)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:45:31	Running l341756 (36)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:47:26	Running dup341756 (37)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:49:19	Running mss341756 (38)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:51:10	Running msds341756 (39)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:51:52	Closing will close the method and all associated samples.	NAH	Analyst	
	08/26/2013 12:53:01	Running pdss341756 (40)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:54:51	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:56:54	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 12:58:52	Running ccb (12)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:00:52	Running 341757 (41)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:02:45	Running 341758 (42)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:04:37	Running 341759 (43)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:06:30	Running 341760 (44)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:08:23	Running 341761 (45)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:10:16	Running 341762 (46)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:12:09	Running 341763 (47)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:14:03	Running 341764 (48)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:15:56	Running 341765 (49)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:17:48	Running 341775 (50)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:19:41	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:21:34	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:23:33	Running ccb (12)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:25:33	Running 341777 (51)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:27:25	Running 341778 (52)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:29:18	Running 341779 (53)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:31:12	Running 341780 (54)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:33:05	Running 341781 (55)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:34:58	Running 341782 (56)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:36:50	Running 341783 (57)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:38:43	Running 341784 (58)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:40:36	Running 341785 (59)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:42:29	Running lcss45588 (60)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:44:25	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:45:11	Closing will close the method and all associated samples.	NAH	Analyst	
	08/26/2013 13:46:07	Unable to Set Check Table, ICVLL	NAH	Analyst	

Type	Date/Time	Message	User name	Application	Sequence Name
	08/26/2013 13:46:08	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/26/2013 13:46:08	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/26/2013 13:46:09	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/26/2013 13:46:09	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/26/2013 13:46:09	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/26/2013 13:46:09	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/26/2013 13:46:10	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/26/2013 13:46:10	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/26/2013 13:46:11	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/26/2013 13:46:11	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/26/2013 13:46:12	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/26/2013 13:46:12	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/26/2013 13:46:12	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/26/2013 13:46:13	Unable to Set Check Table, ccv1	NAH	Analyst	
	08/26/2013 13:46:13	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/26/2013 13:46:13	Unable to Set Check Table, ccv2	NAH	Analyst	
	08/26/2013 13:46:20	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:48:19	Running ccb (12)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:50:20	Running mbs45588 (61)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:52:20	Running 341826 (62)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:54:14	Running 341827 (63)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:56:06	Running 341828 (64)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:58:01	Running 341829 (65)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 13:59:53	Running 341830 (66)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:01:45	Running 341831 (67)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:03:37	Running 341832 (68)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:05:30	Running 341833 (69)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:07:22	Running 341834 (70)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:09:15	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:11:08	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:13:06	Running ccb (12)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:15:05	Running 341835 (71)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:17:00	Running 341836 (72)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:19:01	Running 341837 (73)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:19:31	Closing will close the method and all associated samples.	NAH	Analyst	
	08/26/2013 14:20:55	Running 341838 (74)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:22:49	Running 341839 (75)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:24:42	Running 341840 (76)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:26:36	Running 341841 (77)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:28:30	Running 341842 (78)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:30:23	Running 341843 (79)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:32:17	Running 341862 (80)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:34:10	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:36:02	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:38:00	Running ccb (21)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:40:00	Running l341862 (81)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:41:55	Running dup341862 (82)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:43:49	Running mss341862 (83)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:45:41	Running msds341862 (84)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:47:33	Running pdsw341862 (85)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:49:24	Running 341866 (86)	NAH	Analyst	S_As & Pb only(v61)

Type	Date/Time	Message	User name	Application	Sequence Name
	08/26/2013 14:51:18	Running lcss45589 (87)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:53:15	Running mbs45589 (88)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:55:15	Running 341867 (89)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:57:18	Running l341867 (90)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 14:59:20	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:01:13	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:03:13	Running ccb (21)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:05:14	Running dup341867 (91)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:07:17	Running mss341867 (92)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:09:08	Running msds341867 (93)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:11:00	Running pdss341867 (94)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:13:00	Running 341868 (95)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:15:03	Running 341869 (96)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:16:58	Running 341870 (97)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:18:51	Running 341871 (98)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:20:46	Running 341872 (99)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:22:39	Running 341873 (100)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:24:30	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:26:22	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:28:21	Running ccb (21)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:30:22	Running 341874 (101)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:32:16	Running 341875 (102)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:34:09	Running 341876 (103)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:36:02	Running 341877 (104)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:37:55	Running 341878 (105)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:39:48	Running 341879 (106)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:41:41	Running 341880 (107)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:43:34	Running 341881 (108)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:45:27	Running 341882 (109)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:47:22	Running 341883 (110)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:49:13	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:51:06	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:53:05	Running ccb (21)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:55:07	Running 341884 (111)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:57:00	Running 341885 (112)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 15:58:54	Running 341886 (113)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:00:47	Running msds341798 (114)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:02:38	Running lcss45590 (115)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:04:34	Running mbs45590 (116)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:06:35	Running 341887 (117)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:08:28	Running 341888 (118)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:10:21	Running 341889 (119)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:12:15	Running 341890 (120)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:14:06	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:15:58	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:17:57	Running ccb (21)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:19:58	Running 341891 (121)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:21:52	Running l341891 (122)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:23:49	Running dup341891 (123)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:25:43	Running mss341891 (124)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:27:35	Running msds341891 (125)	NAH	Analyst	S_As & Pb only(v61)

Type	Date/Time	Message	User name	Application	Sequence Name
	08/26/2013 16:29:28	Running pdss341891 (126)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:31:19	Running 341892 (127)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:33:13	Running 341893 (128)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:35:07	Running 341894 (129)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:37:06	Running 341895 (130)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:38:57	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:40:50	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:42:49	Running ccb (21)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:44:50	Running 341896 (131)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:46:44	Running 341897 (132)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:48:38	Running 341898 (133)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:50:32	Running 341899 (134)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:52:26	Running 341900 (135)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:54:20	Running 341901 (136)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:56:14	Running 341902 (137)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 16:58:08	Running 341903 (138)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:00:02	Running 341904 (139)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:01:56	Running 341905 (140)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:03:48	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:05:40	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:07:39	Running ccb (21)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:09:41	Running 341906 (141)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:11:45	Running lcss45591 (142)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:13:42	Running mbs45591 (143)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:15:43	Running 341907 (144)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:17:38	Running 341908 (145)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:19:32	Running 341909 (146)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:21:28	Running 341910 (147)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:23:21	Running 341911 (148)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:25:16	Running 341912 (149)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:27:10	Running 341913 (150)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:29:04	Running CCV1 (25)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:30:57	Running CCV2 (26)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:32:56	Running ccb (24)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:34:57	Running l341913 (151)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:36:52	Running dup341913 (152)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:38:46	Running mss341913 (153)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:40:39	Running msds341913 (154)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:42:31	Running pdss341913 (155)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:44:23	Running 341914 (156)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:46:18	Running 341915 (157)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:48:14	Running 341916 (158)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:50:08	Running 341917 (159)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:52:02	Running 341918 (160)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:53:54	Running CCV1 (25)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:55:47	Running CCV2 (26)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:57:45	Running ccb (24)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 17:59:46	Running 341919 (161)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 18:01:40	Running 341920 (162)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 18:03:33	Running 341921 (163)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 18:05:27	Running 341922 (164)	NAH	Analyst	S_As & Pb only(v61)

Type	Date/Time	Message	User name	Application	Sequence Name
	08/26/2013 18:07:20	Running 341923 (165)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 18:09:14	Running 341924 (166)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 18:11:08	Running 341925 (167)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 18:13:01	Running 341926 (168)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 18:14:54	Running MRL (15)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 18:16:54	Running CCV1 (25)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 18:18:47	Running CCV2 (26)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 18:20:46	Running ccb (24)	NAH	Analyst	S_As & Pb only(v61)
	08/26/2013 18:22:45	Plasma off	NAH	iTEVA Control Center	
	08/26/2013 18:22:46	Plasma extinguished successfully	NAH	Analyst	
	08/26/2013 18:22:48	Autosampler Run Completed	NAH	Analyst	S_As & Pb only(v61)
	08/27/2013 06:58:14	Plasma On	NAH	iTEVA Control Center	
	08/27/2013 06:58:20	Plasma ignition successful	NAH	Analyst	
	08/27/2013 06:58:59	D33534 - Debug:Wavelength check : x = 2.068, y =0.739	NAH	Analyst	
	08/27/2013 08:03:26	E9000 - : Plasma went out unexpectedly; please refer to error message	NAH	iTEVA Control Center	
	08/27/2013 08:04:16	Plasma ignition successful	NAH	Analyst	
	08/27/2013 08:05:00	D33534 - Debug:Wavelength check : x = 1.750, y =0.723	NAH	Analyst	
	08/27/2013 09:24:17	Plasma On	NAH	iTEVA Control Center	
	08/27/2013 09:27:54	Database Copying	NAH	Analyst	
	08/27/2013 09:28:01	Database Copying	NAH	Analyst	
	08/27/2013 09:28:07	Database Copying	NAH	Analyst	
	08/27/2013 09:28:12	Database Copying	NAH	Analyst	
	08/27/2013 09:28:17	Database Copying	NAH	Analyst	
	08/27/2013 09:28:24	Database Copying	NAH	Analyst	
	08/27/2013 09:28:29	Database Copying	NAH	Analyst	
	08/27/2013 09:28:34	Database Copying	NAH	Analyst	
	08/27/2013 09:28:38	Database Copying	NAH	Analyst	
	08/27/2013 09:28:43	Database Copying	NAH	Analyst	
	08/27/2013 11:21:19	iTEVA loaded	NAH	iTEVA Control Center	
	08/27/2013 11:21:38	Connected to instrument 20082101	NAH	iTEVA Control Center	
	08/27/2013 11:22:19	Plasma On	NAH	iTEVA Control Center	
	08/27/2013 12:16:09	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:16:09	Autosampler Run Started	NAH	Analyst	
	08/27/2013 12:16:33	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:19:50	E33539 - : Error Updating Method with standard: Standard saturated.	NAH	Analyst	
	08/27/2013 12:19:55	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:23:18	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:26:42	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:30:06	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:32:17	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:34:31	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:34:31	Autosampler Run Started	NAH	Analyst	
	08/27/2013 12:34:55	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:35:30	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:36:19	Autosampler Run Started	NAH	Analyst	
	08/27/2013 12:36:19	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:36:43	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:37:11	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:37:46	Autosampler Run Started	NAH	Analyst	
	08/27/2013 12:37:46	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:38:09	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/27/2013 12:41:32	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:44:56	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:48:20	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:51:43	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:55:08	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 12:58:32	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:01:53	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:05:11	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:08:20	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:11:10	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:14:38	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:18:01	Running CalibStd-100000 (13)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:21:39	Running CalibStd=500000 (14)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:24:58	Running CalibStd-1000k (15)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:28:14	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:31:36	Running icv (16)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:34:44	Running ICVLL (25)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:38:01	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:41:25	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:44:50	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:48:12	Running icsa (20)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:51:31	Running icsab (21)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:54:29	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 13:57:51	Running icv1 (1)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:01:08	Running lcsw tclp (2)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:04:06	Running mbw tclp (3)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:07:30	Running 342959 (4)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:10:38	Running 342961 (5)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:13:42	Running 342963 (6)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:16:46	Running 343215 (7)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:20:08	Running 343218 (8)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:23:29	Running 343220 (9)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:27:01	Running msw343220 (10)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:30:19	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:32:58	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:35:58	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:39:22	Running lcss45602 (11)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:42:42	Running mbs45602 (12)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:46:05	Running 342614 (13)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:49:20	Running l342614 (14)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:52:35	Running dup342614 (15)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:55:50	Running mss342614 (16)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 14:58:52	Running msds342614 (17)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:02:04	Running pdss342614 (18)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:05:18	Running 342615 (19)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:08:34	Running 342616 (20)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:11:51	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:14:30	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:17:31	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:20:55	Running 342617 (21)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:24:13	Running 342618 (22)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/27/2013 15:27:31	Running 342619 (23)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:30:48	Running 342620 (24)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:34:00	Running 342621 (25)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:37:16	Running 342622 (26)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:40:23	Running 342623 (27)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:43:28	Running 342624 (28)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:46:33	Running 342625 (29)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:49:44	Running 342626 (30)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:52:50	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:55:30	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 15:58:29	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:01:54	Running 342627 (31)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:05:07	Running 342628 (32)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:08:19	Running 342629 (33)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:11:31	Running 342630 (34)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:14:42	Running 342631 (35)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:17:55	Running 342632 (36)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:21:06	Running 342633 (37)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:24:13	Running lcss45603 (38)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:27:30	Running mbs45603 (39)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:30:53	Running 342634 (40)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:33:58	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:36:39	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:39:42	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:43:07	Running 342635 (41)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:46:12	Running 342636 (42)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:49:18	Running 342637 (43)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:52:24	Running 342638 (44)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:55:30	Running 342639 (45)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 16:58:35	Running 342640 (46)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:01:44	Running 342641 (47)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:04:56	Running 342642 (48)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:08:08	Running 342643 (49)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:11:22	Running 342644 (50)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:14:38	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:17:51	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:21:10	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:24:35	Running 342645 (51)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:27:54	Running 342646 (52)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:31:12	Running 342647 (53)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:34:31	Running 342648 (54)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:37:51	Running 342649 (55)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:41:10	Running l342649 (56)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:44:32	Running dup342649 (57)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:47:51	Running mss342649 (58)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:51:09	Running msds342649 (59)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:54:28	Running pdss342649 (60)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 17:57:44	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:00:59	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:04:19	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:07:44	Running 342650 (61)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/27/2013 18:11:03	Running 342651 (62)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:14:22	Running 342652 (63)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:17:39	Running 342653 (64)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:20:59	Running lcss45604 (65)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:24:21	Running mbs45604 (66)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:27:45	Running 342654 (67)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:31:04	Running 342655 (68)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:34:23	Running 342656 (69)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:37:42	Running 342657 (70)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:41:00	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:44:15	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:47:35	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:50:59	Running 342658 (71)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:54:23	Running 342659 (72)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 18:57:47	Running 342660 (73)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:01:11	Running 342661 (74)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:04:37	Running 342662 (75)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:08:01	Running 342663 (76)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:11:25	Running 342664 (77)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:14:49	Running 342665 (78)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:18:14	Running 342666 (79)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:21:39	Running 342667 (80)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:25:03	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:28:26	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:31:51	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:35:15	Running 342668 (81)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:38:39	Running 342669 (82)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:42:03	Running 342670 (83)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:45:28	Running 342671 (84)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:48:19	Running l342671 (85)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:51:44	Running dup342671 (86)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:55:09	Running mss342671 (87)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 19:58:34	Running msds342671 (88)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:01:58	Running pdss342671 (89)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:05:22	Running 342672 (90)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:08:47	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:12:11	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:15:35	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:19:00	Running 342673 (91)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:22:25	Running lcss45605 (92)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:25:50	Running mbs45605 (93)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:29:15	Running 342674 (94)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:32:39	Running 342675 (95)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:36:07	Running 342676 (96)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:39:31	Running 342677 (97)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:42:56	Running 342678 (98)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:46:20	Running 342679 (99)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:49:45	Running 342680 (100)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:53:10	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:56:34	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 20:59:59	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/27/2013 21:03:24	Running 342681 (101)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:06:48	Running 342682 (102)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:10:13	Running 342683 (103)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:13:38	Running 342684 (104)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:17:03	Running 342685 (105)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:20:27	Running 342686 (106)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:23:52	Running 342687 (107)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:27:16	Running 342688 (108)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:30:40	Running 342689 (109)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:34:04	Running 342690 (110)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:37:30	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:40:54	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:44:19	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:47:43	Running 342691 (111)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:51:08	Running l342691 (112)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:54:32	Running dup342691 (113)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 21:57:58	Running mss342691 (114)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:01:23	Running msds342691 (115)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:04:48	Running pdss342691 (116)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:08:13	Running 342692 (117)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:11:38	Running 342693 (118)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:15:03	Running lcss45606 (119)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:18:28	Running mbs45606 (120)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:21:53	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:25:18	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:28:42	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:32:08	Running 342694 (121)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:35:33	Running 342695 (122)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:38:58	Running 342696 (123)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:42:23	Running 342697 (124)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:45:47	Running 342698 (125)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:49:13	Running 342699 (126)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:52:38	Running 342700 (127)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:56:04	Running 342701 (128)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 22:59:29	Running 342702 (129)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:02:54	Running 342703 (130)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:06:20	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:09:44	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:13:10	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:16:35	Running l342703 (131)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:20:00	Running dup342703 (132)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:23:26	Running mss342703 (133)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:26:51	Running msds342703 (134)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:30:16	Running pdss342703 (135)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:33:42	Running 342704 (136)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:37:07	Running 342705 (137)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:40:32	Running 342706 (138)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:43:57	Running 342707 (139)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:47:22	Running 342708 (140)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:50:47	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/27/2013 23:54:12	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/27/2013 23:57:38	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:01:03	Running 342709 (141)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:04:28	Running 342710 (142)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:07:53	Running 342711 (143)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:11:19	Running 342712 (144)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:14:45	Running 342713 (145)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:18:10	Running lcss45607 (146)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:21:35	Running mbs45607 (147)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:25:00	Running 342714 (148)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:28:26	Running l342714 (149)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:31:52	Running dup342714 (150)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:35:17	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:38:42	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:42:07	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:45:32	Running mss342714 (151)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:48:58	Running msds342714 (152)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:52:23	Running pdss342714 (153)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:55:48	Running 342715 (154)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 00:59:13	Running 342716 (155)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:02:38	Running 342717 (156)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:06:02	Running 342718 (157)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:09:28	Running 342719 (158)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:12:53	Running 342720 (159)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:16:18	Running 342721 (160)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:19:44	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:23:09	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:26:35	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:30:01	Running 342722 (161)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:33:27	Running 342723 (162)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:36:53	Running 342724 (163)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:40:19	Running 342725 (164)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:43:44	Running 342726 (165)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:47:08	Running 342727 (166)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:50:33	Running 342728 (167)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:54:00	Running 342729 (168)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 01:57:26	Running 342730 (169)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 02:00:52	Running 342731 (170)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 02:04:17	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 02:07:43	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 02:11:09	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 02:14:35	Running 342732 (171)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 02:18:01	Running 342733 (172)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 02:21:24	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 02:24:50	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 02:28:15	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 02:31:40	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 02:35:03	Plasma extinguished successfully	NAH	Analyst	
	08/28/2013 02:35:03	Plasma off	NAH	iTEVA Control Center	
	08/28/2013 02:35:05	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 07:04:06	Plasma On	NAH	iTEVA Control Center	
	08/28/2013 07:04:11	Plasma ignition successful	NAH	Analyst	

Type	Date/Time	Message	User name	Application	Sequence Name
	08/28/2013 07:04:50	D33534 - Debug:Wavelength check : x = 1.938, y =0.746	NAH	Analyst	
	08/28/2013 07:16:33	E9000 - : Plasma went out unexpectedly; please refer to error message	NAH	iTEVA Control Center	
	08/28/2013 07:17:15	Plasma ignition successful	NAH	Analyst	
	08/28/2013 07:17:59	D33534 - Debug:Wavelength check : x = 1.776, y =0.790	NAH	Analyst	
	08/28/2013 08:01:27	Plasma On	NAH	iTEVA Control Center	
	08/28/2013 08:08:39	E9006 - : Plasma went out unexpectedly; RF reported over current failu	NAH	iTEVA Control Center	
	08/28/2013 08:11:22	Plasma On	NAH	iTEVA Control Center	
	08/28/2013 08:11:27	Plasma ignition successful	NAH	Analyst	
	08/28/2013 08:12:13	D33534 - Debug:Wavelength check : x = 1.710, y =0.708	NAH	Analyst	
	08/28/2013 08:55:10	Autosampler Run Started	NAH	Analyst	
	08/28/2013 08:55:10	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 08:55:34	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 08:56:01	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:05:26	Autosampler Run Started	NAH	Analyst	
	08/28/2013 09:05:26	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:05:49	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:06:18	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:07:37	Autosampler Run Started	NAH	Analyst	
	08/28/2013 09:07:37	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:08:00	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:08:15	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:13:29	Autosampler Run Started	NAH	Analyst	
	08/28/2013 09:13:29	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:13:52	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:17:15	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:20:39	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:24:04	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:27:29	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:30:54	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:32:21	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:36:44	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:36:44	Autosampler Run Started	NAH	Analyst	
	08/28/2013 09:37:08	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:40:32	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:43:57	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:47:21	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:50:46	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:54:12	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 09:57:38	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:01:08	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:04:25	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:07:35	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:10:26	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:13:47	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:17:12	Running CalibStd-100000 (13)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:20:50	Running CalibStd=500000 (14)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:24:09	Running CalibStd-1000k (15)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:27:34	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:30:57	Running icv (16)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:34:06	Running ICVLL (25)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:37:28	Running icb (17)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/28/2013 10:40:53	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:44:18	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:47:40	Running icsa (20)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:51:00	Running icsab (21)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:53:58	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 10:57:21	Running icv2 (24)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:00:41	Running 342635 (41)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:03:56	Running 342636 (42)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:07:01	Running 342637 (43)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:10:14	Running 342638 (44)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:13:35	Running 342639 (45)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:16:56	Running 342640 (46)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:20:10	Running 342641 (47)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:23:24	Running 342642 (48)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:26:37	Running 342643 (49)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:29:49	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:32:53	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:36:06	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:39:29	Running 342644 (50)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:40:19	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:44:21	Autosampler Run Started	NAH	Analyst	
	08/28/2013 11:44:21	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:44:45	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:48:07	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:49:33	Closing will close the method and all associated samples.	NAH	Analyst	
	08/28/2013 11:51:31	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:54:56	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 11:58:21	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:01:46	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:05:10	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:08:33	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:11:51	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:15:01	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:17:53	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:21:03	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:24:27	Running CalibStd-100000 (13)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:28:06	Running CalibStd=500000 (14)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:31:24	Running CalibStd-1000k (15)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:34:50	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:38:12	Running icv (16)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:41:22	Running ICVLL (25)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:44:40	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:48:06	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:51:30	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:54:52	Running icsa (20)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 12:58:12	Running icsab (21)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:01:40	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:05:03	Running icv2 (24)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:08:24	Running 342635 (41)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:11:47	Running 342636 (42)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:15:12	Running 342637 (43)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/28/2013 13:18:35	Running 342638 (44)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:22:02	Running 342639 (45)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:25:27	Running 342640 (46)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:28:44	Running 342641 (47)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:32:09	Running 342642 (48)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:35:34	Running 342643 (49)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:38:52	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:41:33	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:44:34	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:47:59	Running 342644 (50)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:51:14	Running 342645 (51)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:54:25	Running 342646 (52)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:57:45	Running 342647 (53)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 13:59:07	Autosampler rack position 3839 does not exist.	NAH	Analyst	
	08/28/2013 14:00:58	Running 342648 (54)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:04:11	Running 342649 (55)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:07:24	Running l342649 (56)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:10:52	Running dup342649 (57)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:14:05	Running mss342649 (58)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:17:14	Running msds342649 (59)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:20:23	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:22:28	Closing will close the method and all associated samples.	NAH	Analyst	
	08/28/2013 14:22:36	Closing will close the method and all associated samples.	NAH	Analyst	
	08/28/2013 14:23:12	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:26:12	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:29:38	Running pdss342649 (60)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:32:47	Running 342650 (61)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:36:01	Running 342651 (62)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:39:09	Running 342652 (63)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:42:22	Running 342653 (64)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:45:36	Running lcss45604 (65)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:48:54	Running mbs45604 (66)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:52:19	Running 342654 (67)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:55:30	Running 342655 (68)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 14:58:43	Running 342656 (69)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:01:59	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:04:40	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:07:40	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:11:06	Running 342657 (70)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:14:10	Running 342658 (71)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:17:12	Running 342659 (72)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:20:23	Running 342660 (73)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:23:32	Running 342661 (74)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:26:44	Running 342662 (75)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:29:58	Running 342663 (76)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:33:10	Running 342664 (77)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:36:21	Running 342665 (78)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:39:32	Running 342666 (79)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:42:41	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:45:22	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:48:21	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/28/2013 15:51:47	Running 342667 (80)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:55:02	Running 342668 (81)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 15:58:21	Running 342669 (82)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:01:31	Running 342670 (83)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:04:49	Running 342671 (84)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:08:10	Running l342671 (85)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:11:39	Running dup342671 (86)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:14:51	Running mss342671 (87)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:18:06	Running msds342671 (88)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:21:16	Running pdss342671 (89)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:24:33	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:27:15	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:30:15	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:33:41	Running 342672 (90)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:36:55	Running 342673 (91)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:40:07	Running lcss45605 (92)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:43:27	Running mbs45605 (93)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:46:52	Running 342674 (94)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:50:03	Running 342675 (95)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:53:07	Running 342676 (96)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:56:19	Running 342677 (97)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 16:59:29	Running 342678 (98)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:02:36	Running 342679 (99)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:05:45	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:08:25	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:11:26	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:14:52	Running 342680 (100)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:18:03	Running 342681 (101)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:21:14	Running 342682 (102)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:24:25	Running 342683 (103)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:27:36	Running 342684 (104)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:30:49	Running 342685 (105)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:34:00	Running 342686 (106)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:37:02	Running 342687 (107)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:40:09	Running 342688 (108)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:43:12	Running 342689 (109)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:46:22	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:49:04	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:52:05	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:55:31	Running 342690 (110)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 17:58:40	Running 342691 (111)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:01:53	Running l342691 (112)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:05:03	Running dup342691 (113)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:08:14	Running mss342691 (114)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:11:21	Running msds342691 (115)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:14:28	Running pdss342691 (116)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:17:35	Running 342692 (117)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:20:43	Running 342693 (118)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:23:52	Running lcss45606 (119)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:27:12	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:29:59	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/28/2013 18:33:02	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:36:29	Running mbs45606 (120)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:39:55	Running 342694 (121)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:43:05	Running 342695 (122)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:46:14	Running 342696 (123)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:49:23	Running 342697 (124)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:52:32	Running 342698 (125)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:55:42	Running 342699 (126)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 18:58:53	Running 342700 (127)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:02:05	Running 342701 (128)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:05:18	Running 342702 (129)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:08:32	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:11:18	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:14:21	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:17:48	Running 342703 (130)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:20:59	Running l342703 (131)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:24:21	Running dup342703 (132)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:27:33	Running mss342703 (133)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:30:41	Running msds342703 (134)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:33:48	Running pdss342703 (135)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:36:56	Running 342704 (136)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:40:05	Running 342705 (137)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:43:13	Running 342706 (138)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:46:21	Running 342707 (139)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:49:29	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:52:23	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:55:30	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 19:58:56	Running 342708 (140)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:02:06	Running 342709 (141)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:05:15	Running 342710 (142)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:08:24	Running 342711 (143)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:11:32	Running 342712 (144)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:14:41	Running 342713 (145)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:17:52	Running lcss45607 (146)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:21:13	Running mbs45607 (147)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:24:40	Running 342714 (148)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:27:46	Running l342714 (149)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:31:02	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:33:56	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:37:02	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:40:29	Running dup342714 (150)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:43:36	Running mss342714 (151)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:46:42	Running msds342714 (152)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:49:48	Running pdss342714 (153)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:52:52	Running 342715 (154)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:56:00	Running 342716 (155)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 20:59:11	Running 342717 (156)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:02:20	Running 342718 (157)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:05:31	Running 342719 (158)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:08:40	Running 342720 (159)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:11:51	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/28/2013 21:14:45	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:17:52	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:21:19	Running 342721 (160)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:24:30	Running 342722 (161)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:27:40	Running 342723 (162)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:30:51	Running 342724 (163)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:34:01	Running 342725 (164)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:37:09	Running 342726 (165)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:40:19	Running 342727 (166)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:43:28	Running 342728 (167)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:46:36	Running 342729 (168)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:49:45	Running 342730 (169)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:52:55	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:55:48	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 21:58:54	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:02:21	Running 342731 (170)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:05:30	Running 342732 (171)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:08:40	Running 342733 (172)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:11:49	Running lcsw45668,67 (1)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:15:04	Running mbw45668,67 (2)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:18:29	Running 339815 (3)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:21:44	Running msw339815 (4)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:24:57	Running msdw339815 (5)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:28:10	Running pdsw339815 (6)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:31:07	Running 339816 (7)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:34:31	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:37:20	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:40:26	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:43:51	Running 342072 (8)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:47:15	Running msw342072 (9)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:50:30	Running msdw342072 (10)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:53:45	Running pdsw342072 (11)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 22:56:46	Running 340892 (12)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:00:07	Running 340893 (13)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:03:28	Running 341967 (14)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:06:48	Running lcsw45675 (15)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:10:13	Running mbw45675 (16)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:13:38	Running 340714 (17)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:17:05	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:20:00	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:23:07	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:26:32	Running l340714 (18)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:29:57	Running dup340714 (19)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:33:22	Running msw340714 (20)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:36:47	Running pdsw340714 (21)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:40:13	Running old pt 267856 (22)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:43:38	Running ab 572 hcl1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:47:03	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:50:30	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:53:24	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/28/2013 23:56:32	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/28/2013 23:59:57	Plasma extinguished successfully	NAH	Analyst	
	08/28/2013 23:59:57	Plasma off	NAH	iTEVA Control Center	
	08/28/2013 23:59:59	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 07:02:40	Plasma On	NAH	iTEVA Control Center	
	08/29/2013 07:02:45	Plasma ignition successful	NAH	Analyst	
	08/29/2013 07:03:25	D33534 - Debug:Wavelength check : x = 1.977, y =0.754	NAH	Analyst	
	08/29/2013 14:00:53	Autosampler rack position 240 does not exist.	NAH	Analyst	
	08/29/2013 14:20:07	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 14:20:07	Autosampler Run Started	NAH	Analyst	
	08/29/2013 14:20:30	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 14:23:54	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 14:26:38	Closing will close the method and all associated samples.	NAH	Analyst	
	08/29/2013 14:27:01	Closing will close the method and all associated samples.	NAH	Analyst	
	08/29/2013 14:28:09	iTEVA loaded	NAH	iTEVA Control Center	
	08/29/2013 14:28:27	Connected to instrument 20082101	NAH	iTEVA Control Center	
	08/29/2013 14:29:09	Plasma On	NAH	iTEVA Control Center	
	08/29/2013 14:31:20	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 14:31:20	Autosampler Run Started	NAH	Analyst	
	08/29/2013 14:31:44	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 14:35:09	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 14:38:35	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 14:42:01	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 14:45:27	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 14:48:54	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 14:52:20	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 14:55:44	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 14:59:06	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:02:16	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:05:10	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:08:00	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:11:26	Running CalibStd-100000 (13)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:15:05	Running CalibStd=500000 (14)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:18:27	Running CalibStd-1000k (15)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:21:39	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:25:01	Running icv (16)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:28:06	Running ICVLL (25)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:31:27	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:34:53	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:38:19	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:41:42	Running icsa (20)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:45:05	Running icsab (21)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:48:04	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:51:27	Running icv1 (24)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:54:48	Running lcsw45668,67 (1)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 15:58:25	Running mbw45668,67 (2)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:01:48	Running 339815 (3)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:05:13	Running msw339815 (4)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:08:35	Running msdw339815 (5)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:11:59	Running pdsw339815 (6)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:15:30	Running 339816 (7)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:19:04	Running 342072 (8)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/29/2013 16:22:42	Running msw342072 (9)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:26:06	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:28:50	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:31:53	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:35:20	Running msdw342072 (10)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:38:46	Running pdsw342072 (11)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:42:20	Running 340892 (12)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:45:55	Running 340893 (13)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:49:31	Running 341967 (14)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:53:04	Running lcsw45675 (15)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:56:28	Running mbw45675 (16)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 16:59:54	Running 340714 (17)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:03:20	Running l340714 (18)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:06:46	Running dup340714 (19)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:10:11	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:12:55	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:15:58	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:19:25	Running msw340714 (20)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:22:50	Running pdsw340714 (21)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:26:16	Running old pt 267856 (22)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:29:40	Running ab 572 hcl1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:33:06	Running lcsw45740 (25)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:36:24	Running mbw45740 (26)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:39:50	Running 340182 (27)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:43:28	Running msw340182 (28)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:46:56	Running msdw340182 (29)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:50:25	Running pdsw340182 (30)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:54:01	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:56:45	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 17:59:47	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:03:13	Running 340183 (31)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:06:29	Running 340184 (32)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:10:05	Running 340185 (33)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:13:39	Running 340186 (34)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:17:14	Running 340187 (35)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:20:51	Running 340188 (36)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:24:27	Running 340929 (37)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:28:03	Running 340936 (38)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:31:37	Running 340937 (39)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:35:13	Running 340939 (40)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:38:48	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:41:36	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:44:38	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:48:04	Running 340941 (41)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:51:41	Running 340955 (42)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:55:17	Running 340957 (43)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 18:58:53	Running 340959 (44)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:02:29	Running 340960 (45)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:06:06	Running 340962 (46)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:09:43	Running 340964 (47)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:13:19	Running lcsw45731 (48)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/29/2013 19:16:33	Running mbw45731 (49)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:20:00	Running 344016 (50)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:23:31	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:26:15	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:29:17	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:32:43	Running l344016 (51)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:36:18	Running dup344016 (52)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:39:50	Running msw344016 (53)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:43:16	Running msdw344016 (54)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:46:41	Running pdsw344016 (55)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:49:51	Running 344017 (56)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:53:28	Running lcsw45735/33 (57)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 19:57:04	Running mbw45735/33 (58)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:00:30	Running 343159 (59)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:04:07	Running l343159 (60)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:07:30	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:10:14	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:13:16	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:16:42	Running dup343159 (61)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:20:20	Running msw343159 (62)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:23:55	Running msdw343159 (63)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:27:29	Running pdsw343159 (64)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:30:42	Running 343161 (65)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:34:07	Running 343163 (66)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:37:42	Running 343172 (67)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:41:18	Running 340995 (68)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:44:55	Running 341997 (69)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:48:21	Running 340999 (70)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:51:58	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:54:41	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 20:57:43	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:01:10	Running 343142 (71)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:04:47	Running 343149 (72)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:08:25	Running 343151 (73)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:12:03	Running 343155 (74)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:15:41	Running 343157 (75)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:19:20	Running 343168 (76)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:22:58	Running 343170 (77)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:26:37	Running 347842 (78)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:30:14	Running 347851 (79)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:33:52	Running 347855 (80)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:37:30	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:40:14	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:43:15	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:46:42	Running 347858 (81)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:50:20	Running 347860 (82)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:53:58	Running 347864 (83)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 21:57:35	Running lcsw45739/29 (84)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:00:43	Running mbw45739/29 (85)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:04:09	Running 342985 (86)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:07:50	Running msw342985 (87)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/29/2013 22:11:19	Running msdw342985 (88)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:14:47	Running pdsw342985 (89)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:17:56	Running lcsw45734 (90)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:21:11	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:23:55	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:26:57	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:30:25	Running mbw45734 (91)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:33:52	Running 343068 (92)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:37:28	Running l343068 (93)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:40:52	Running dup343068 (94)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:44:28	Running msw343068 (95)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:47:58	Running msdw343068 (96)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:51:27	Running pdsw343068 (97)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:54:46	Running lcsw45730 (98)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 22:58:24	Running mbw45730 (99)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:01:49	Running 341966 (100)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:05:15	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:07:59	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:11:02	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:14:29	Running l341966 (101)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:17:56	Running dup341966 (102)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:21:23	Running msw341966 (103)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:25:01	Running msdw341966 (104)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:28:39	Running pdsw341966 (105)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:31:55	Running 346395 (106)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:35:35	Running msw346395 (107)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:38:51	Running msdw346395 (108)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:42:07	Running 346396 (109)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:45:47	Running 346397 (110)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:49:25	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:52:09	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:55:12	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/29/2013 23:58:40	Running 346398 (111)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:02:19	Running 348227 (112)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:05:55	Running 344533 (113)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:09:33	Running 344534 (114)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:13:11	Running 344535 (115)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:16:47	Running 344536 (116)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:20:23	Running 344537 (117)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:24:02	Running 344538 (118)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:27:41	Running 344539 (119)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:31:16	Running 344540 (120)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:34:51	Running ccv1 (28)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:37:35	Running ccv2 (26)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:40:38	Running ccb (27)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:44:06	Running 344541 (121)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:47:45	Running 344542 (122)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:51:22	Running 347560 (123)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:55:01	Running 347561 (124)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 00:58:39	Running 347562 (125)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:02:15	Running 347563 (126)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/30/2013 01:05:50	Running 347564 (127)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:09:28	Running 347565 (128)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:13:04	Running 347566 (129)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:16:43	Running 347567 (173)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:20:22	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:23:07	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:26:10	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:29:38	Running 347568 (174)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:33:15	Running 347599 (175)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:36:54	Running msw347569 (176)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:40:13	Running msdw347569 (177)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:43:32	Running 346394 (178)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:47:12	Running 342703 (130)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:50:30	Running l342703 (131)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:54:00	Running dup342703 (132)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 01:57:19	Running mss342703 (133)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:00:35	Running msds342703 (134)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:03:51	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:06:43	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:09:46	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:13:12	Running pdss342703 (135)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:16:27	Running 342704 (136)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:19:45	Running 342705 (137)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:23:03	Running 342706 (138)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:26:21	Running 342707 (139)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:29:45	Running 342708 (140)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:33:00	Running 342709 (141)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:36:18	Running 342710 (142)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:39:34	Running 342711 (143)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:42:51	Running 342712 (144)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:46:09	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:49:00	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:52:03	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:55:29	Running 342713 (145)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 02:58:49	Running lcss45607 (146)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:02:08	Running mbs45607 (147)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:05:36	Running 342714 (148)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:08:36	Running l342714 (149)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:12:03	Running dup342714 (150)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:15:18	Running mss342714 (151)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:18:32	Running msds342714 (152)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:21:44	Running pdss342714 (153)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:24:57	Running 342715 (154)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:28:15	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:31:13	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:34:14	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:37:41	Running 342716 (155)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:40:58	Running 342717 (156)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:44:19	Running 342718 (157)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:47:40	Running 342719 (158)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:50:58	Running 342720 (159)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/30/2013 03:54:21	Running 342721 (160)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 03:57:39	Running 342722 (161)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:00:58	Running 342723 (162)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:04:13	Running 342724 (163)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:07:24	Running 342725 (164)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:10:42	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:13:39	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:16:41	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:20:08	Running 342726 (165)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:23:27	Running 342727 (166)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:26:46	Running 342728 (167)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:30:02	Running 342729 (168)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:33:25	Running 342730 (169)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:36:43	Running 342731 (170)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:40:00	Running 342732 (171)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:43:17	Running 342733 (172)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:46:36	Running ab573 (179)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:49:57	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:53:22	Running ccv1 (31)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:56:08	Running ccv2 (29)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 04:59:09	Running ccb (30)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 05:02:34	Plasma extinguished successfully	NAH	Analyst	
	08/30/2013 05:02:35	Plasma off	NAH	iTEVA Control Center	
	08/30/2013 05:02:36	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 08:10:10	Plasma On	NAH	iTEVA Control Center	
	08/30/2013 08:10:16	Plasma ignition successful	NAH	Analyst	
	08/30/2013 08:10:55	D33534 - Debug:Wavelength check : x = 2.028, y =0.756	NAH	Analyst	
	08/30/2013 08:30:04	Sequence Started	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 08:30:04	Autosampler Run Started	NAH	Analyst	
	08/30/2013 08:30:28	Running Blank (1)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 08:33:53	Running CalibStd=0.25 (2)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 08:37:19	Running CalibStd=0.5 (3)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 08:40:50	Running CalibStd=1 (4)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 08:44:17	Running CalibStd=5 (5)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 08:47:44	Running CalibStd=10 (6)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 08:51:21	Running CalibStd=20 (7)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 08:54:46	Running CalibStd=50 (8)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 08:58:08	Running CalibStd=100 (9)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:01:20	Running CalibStd=1000 (10)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:04:13	Running CalibStd=10000 (11)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:07:10	Running CalibStd-100k (12)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:10:36	Running CalibStd-100000 (13)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:14:20	Running CalibStd=500000 (14)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:17:41	Running CalibStd-1000k (15)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:21:01	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:24:25	Running icv (16)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:29:05	Running ICVLL (25)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:32:26	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:35:53	Running icb (17)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:39:19	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:42:42	Running icsa (20)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/30/2013 09:45:55	Running icsab (21)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:49:04	Running blkrinse (22)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:51:51	Closing will close the method and all associated samples.	NAH	Analyst	
	08/30/2013 09:52:29	Running lcss45745 (1)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:55:53	Running mbs45745 (2)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 09:59:17	Running 340876 (3)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:02:33	Running mss340876 (4)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:05:51	Running msds340876 (5)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:09:05	Running pdss340876 (6)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:12:11	Running 340877 (7)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:15:24	Running 342958 (8)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:18:24	Running 342960 (9)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:21:27	Running 342962 (10)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:24:31	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:27:15	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:30:17	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:33:45	Running 347584 (11)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:37:07	Running 347585 (12)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:40:24	Running 347586 (13)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:43:42	Running 347587 (14)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:46:59	Running 347588 (15)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:50:16	Running 347589 (16)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:53:31	Running 347590 (17)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 10:56:48	Running 347591 (18)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:00:03	Running 347592 (19)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:03:22	Running 347593 (20)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:06:42	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:09:26	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:12:29	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:15:56	Running 347594 (21)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:19:17	Running 348223 (22)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:22:34	Running lcss45744 (23)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:25:57	Running mbs45744 (24)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:29:23	Running 341949 (25)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:32:36	Running 341958 (26)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:35:51	Running 341959 (27)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:39:07	Running 341960 (28)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:42:18	Running 341961 (29)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:45:28	Running l341961 (30)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:48:40	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:51:25	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:54:28	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 11:57:55	Running dup341961 (31)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 12:01:06	Running mss341961 (32)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 12:04:09	Running msds341961 (33)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 12:07:12	Running pdss341961 (34)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 12:10:16	Running blk1 (35)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 12:13:42	Running icsa1 (36)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 12:17:10	Running icsab1 (37)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 12:20:16	Running MRL (24)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 12:23:39	Running ccv1 (23)	NAH	Analyst	S_DOD Calibration 1

Type	Date/Time	Message	User name	Application	Sequence Name
	08/30/2013 12:26:23	Running ccv2 (18)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 12:29:26	Running ccb (19)	NAH	Analyst	S_DOD Calibration 1
	08/30/2013 12:32:52	Plasma off	NAH	iTEVA Control Center	
	08/30/2013 12:32:52	Plasma extinguished successfully	NAH	Analyst	
	08/30/2013 12:32:54	Autosampler Run Completed	NAH	Analyst	S_DOD Calibration 1
	09/04/2013 14:21:49	Plasma On	NAH	iTEVA Control Center	
	09/04/2013 14:21:55	Plasma ignition successful	NAH	Analyst	
	09/04/2013 14:22:37	D33534 - Debug:Wavelength check : x = 1.921, y =0.753	NAH	Analyst	
	09/04/2013 17:15:17	Autosampler Run Started	NAH	Analyst	
	09/04/2013 17:15:17	Sequence Started	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:15:30	Running Blank (1)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:17:31	Running CalibStd=5 (2)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:19:34	Running CalibStd=10 (3)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:21:37	Running CalibStd=50 (4)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:23:40	Running CalibStd=100 (5)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:25:43	Running CalibStd=1000 (6)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:27:43	Running CalibStd=10000 (7)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:29:36	Running CalibStd-100k (8)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:31:31	Running CalibStd=500000 (9)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:33:27	Running CalibStd-1000k (10)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:35:31	Running ICV1 (16)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:37:30	Running ICV2 (17)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:39:28	Running icvLL (20)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:41:29	Running icb (11)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:43:32	Running MRL (15)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:45:36	Running icsa (13)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:47:33	Running icsab (14)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:49:27	Running lcss45658 (1)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:51:26	Running mbs45658 (2)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:53:28	Running 344436 (3)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:55:25	Running 344437 (4)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:57:20	Running 344438 (5)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 17:59:15	Running 344439 (6)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:01:10	Running 344440 (7)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:03:06	Running 344441 (8)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:05:02	Running 344442 (9)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:06:59	Running 344443 (10)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:08:55	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:10:53	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:12:54	Running ccb (12)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:14:58	Running 344444 (11)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:16:54	Running 344445 (12)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:18:50	Running 344446 (13)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:20:47	Running 344447 (14)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:22:42	Running 344448 (15)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:24:39	Running 344449 (16)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:26:35	Running 344450 (17)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:28:31	Running l344450 (18)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:30:30	Running dup344450 (19)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:32:26	Running mss344450 (20)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:34:20	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v63)

Type	Date/Time	Message	User name	Application	Sequence Name
	09/04/2013 18:36:18	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:38:19	Running ccb (12)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:40:22	Running msds344450 (21)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:42:17	Running pdss344450 (22)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:44:11	Running 344451 (23)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:46:07	Running 344452 (24)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:48:03	Running 344453 (25)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:49:58	Running 344454 (26)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:51:55	Running 344455 (27)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:53:50	Running lcss45676 (28)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:55:49	Running mbs45676 (29)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:57:52	Running 344456 (30)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 18:59:48	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:01:45	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:03:47	Running ccb (12)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:05:50	Running l344456 (31)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:07:47	Running dup344456 (32)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:09:52	Running mss344456 (33)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:11:46	Running msds344456 (34)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:13:40	Running pdss344456 (35)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:15:44	Running 344457 (36)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:17:40	Running 344458 (37)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:19:37	Running 344459 (38)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:21:34	Running 344460 (39)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:23:29	Running 344461 (40)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:25:25	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:27:23	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:29:25	Running ccb (12)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:31:28	Running 344462 (41)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:33:24	Running 344463 (42)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:35:20	Running 344464 (43)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:37:18	Running 344465 (44)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:39:13	Running 344466 (45)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:41:10	Running 344467 (46)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:43:06	Running 344468 (47)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:45:03	Running 344954 (48)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:46:59	Running 344955 (49)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:48:55	Running 344956 (50)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:50:50	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:52:48	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:54:49	Running ccb (12)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:56:52	Running 344957 (51)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 19:58:50	Running 344958 (52)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:00:46	Running 344959 (53)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:02:42	Running 344960 (54)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:04:39	Running lcss45677 (55)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:06:38	Running mbs45677 (56)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:08:41	Running 344961 (57)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:10:38	Running 344962 (58)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:12:34	Running 344963 (59)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:14:31	Running 344964 (60)	NAH	Analyst	S_As & Pb only(v63)

Type	Date/Time	Message	User name	Application	Sequence Name
	09/04/2013 20:16:27	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:18:24	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:20:26	Running ccb (12)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:22:30	Running 344965 (61)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:24:26	Running 344966 (62)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:26:22	Running 344967 (63)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:28:18	Running 344968 (64)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:30:15	Running 344969 (65)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:32:10	Running 344970 (66)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:34:08	Running 344971 (67)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:36:04	Running 344972 (68)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:38:00	Running 344973 (69)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:39:56	Running 344974 (70)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:41:51	Running CCV1 (18)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:43:48	Running CCV2 (19)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:45:50	Running ccb (12)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:47:54	Running l344974 (71)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:49:52	Running dup344974 (72)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:51:47	Running mss344974 (73)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:53:41	Running msds344974 (74)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:55:35	Running pdss344974 (75)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:57:28	Running 344975 (76)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 20:59:24	Running 344976 (77)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:01:20	Running 344977 (78)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:03:16	Running 344978 (79)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:05:13	Running 344979 (80)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:07:08	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:09:05	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:11:07	Running ccb (21)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:13:11	Running 344980 (81)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:15:07	Running lcss45678 (82)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:17:06	Running mbs45678 (83)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:19:10	Running 344981 (84)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:21:07	Running 344982 (85)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:23:04	Running 344983 (86)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:25:00	Running 344984 (87)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:26:56	Running 344985 (88)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:28:53	Running 344986 (89)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:30:49	Running 344987 (90)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:32:44	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:34:40	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:36:43	Running ccb (21)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:38:47	Running 344988 (91)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:40:44	Running 344989 (92)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:42:40	Running 344990 (93)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:44:38	Running 344991 (94)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:46:35	Running 344992 (95)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:48:33	Running 344993 (96)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:50:29	Running 344994 (97)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:52:26	Running 344995 (98)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:54:23	Running l344995 (99)	NAH	Analyst	S_As & Pb only(v63)

Type	Date/Time	Message	User name	Application	Sequence Name
	09/04/2013 21:56:21	Running dup344995 (100)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 21:58:16	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:00:11	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:02:14	Running ccb (21)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:04:18	Running mss344995 (101)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:06:13	Running msds344995 (102)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:08:08	Running pdss344995 (103)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:10:03	Running 344996 (104)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:12:00	Running 344997 (105)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:13:56	Running 344998 (106)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:15:53	Running 344999 (107)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:17:49	Running 345000 (108)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:19:46	Running lcss45679 (109)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:21:46	Running mbs45679 (110)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:23:48	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:25:45	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:27:47	Running ccb (21)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:29:51	Running 345001 (111)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:31:48	Running 345002 (112)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:33:44	Running 345003 (113)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:35:41	Running 345004 (114)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:37:38	Running 345005 (115)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:39:34	Running 345006 (116)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:41:31	Running 345007 (117)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:43:27	Running 345008 (118)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:45:24	Running 345009 (119)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:47:22	Running 345010 (120)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:49:17	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:51:13	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:53:16	Running ccb (21)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:55:20	Running 345011 (121)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:57:17	Running 345012 (122)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 22:59:14	Running 345013 (123)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:01:12	Running 345014 (124)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:03:10	Running 345015 (125)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:05:08	Running 345016 (126)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:07:06	Running 345017 (127)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:09:03	Running l345017 (128)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:11:01	Running dup345017 (129)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:12:58	Running mss345017 (130)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:14:52	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:16:48	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:18:51	Running ccb (21)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:20:56	Running msds345017 (131)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:22:51	Running pdss345017 (132)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:24:47	Running 345018 (133)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:26:44	Running 345020 (134)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:28:41	Running 345021 (135)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:30:38	Running lcss45680 (136)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:32:38	Running mbs45680 (137)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:34:43	Running 345022 (138)	NAH	Analyst	S_As & Pb only(v63)

Type	Date/Time	Message	User name	Application	Sequence Name
	09/04/2013 23:36:40	Running 345023 (139)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:38:37	Running l345023 (140)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:40:33	Running CCV1 (22)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:42:30	Running CCV2 (23)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:44:32	Running ccb (21)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:46:37	Running dup345023 (141)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:48:34	Running mss345023 (142)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:50:30	Running msds345023 (143)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:52:26	Running pdss345023 (144)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:54:21	Running 345024 (145)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:56:19	Running 345025 (146)	NAH	Analyst	S_As & Pb only(v63)
	09/04/2013 23:58:16	Running 345026 (147)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:00:13	Running 345027 (148)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:02:10	Running 345028 (149)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:04:07	Running 345029 (150)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:06:04	Running CCV1 (25)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:08:02	Running CCV2 (26)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:10:03	Running ccb (24)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:12:08	Running 345030 (151)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:14:05	Running 345031 (152)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:16:03	Running 345032 (153)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:18:01	Running 345033 (154)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:20:00	Running 345034 (155)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:21:58	Running 345035 (156)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:23:56	Running 345036 (157)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:25:55	Running 345037 (158)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:27:54	Running 345038 (159)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:29:52	Running 345039 (160)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:31:48	Running CCV1 (25)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:33:47	Running CCV2 (26)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:35:49	Running ccb (24)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:37:54	Running 345040 (161)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:39:53	Running 345041 (162)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:41:49	Running MRL (15)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:43:53	Running CCV1 (25)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:45:51	Running CCV2 (26)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:47:53	Running ccb (24)	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 00:49:56	Plasma extinguished successfully	NAH	Analyst	
	09/05/2013 00:49:56	Plasma off	NAH	iTEVA Control Center	
	09/05/2013 00:49:58	Autosampler Run Completed	NAH	Analyst	S_As & Pb only(v63)
	09/05/2013 07:42:45	Plasma On	NAH	iTEVA Control Center	
	09/05/2013 07:42:49	Plasma ignition successful	NAH	Analyst	
	09/05/2013 07:43:29	D33534 - Debug:Wavelength check : x = 1.966, y =0.746	NAH	Analyst	

CT Laboratories

Mercury Analyzer Instrument Run Log

Instrument ID: Cetac M-6000A

Analysis Date	Start Time	End Time	Analyst	LIMS Run # (s)	Method File ID #	Cal. Std. ID #	Lamp Current (mA)	Analysis Tube Lot #	Comments
08/01/13	07:54	11:00	LSF	96330,96326,96325, 96324,96323	13080100	M111586	12.2	215207	sncl2:M11592
08/01/13	11:54	12:38	LSF	96337	13080101	M111586	12.2	215207	sncl2:M11592
08/06/13	07:52	12:55	LSF	96443,96441,96454,96442, 96456,96455,96445	13080600	M111597	12.2	215207	sncl2:M11603
08/07/13	08:21	09:58	LSF	96461	13080700	M111597	12.2	215207	sncl2:M11603
08/14/13	07:56	10:32	LSF	96705,96706,96691, 96701	13081400	M111611	12.2	215207	sncl2:M11617
08/14/13	11:44	13:29	LSF	96709,96713	13081401	M111611	12.2	215207	sncl2:M11617
08/21/13	08:04	11:32	LSF	96902,96920,96919,96918, 96913,96917,96915,96909,96908	13082100	M111611	12.3	215207	sncl2:M11617
08/22/13	07:31	10:58	LSF	96931,96930,96929	13082200	M111611	12.3	215207	sncl2:M11617
08/28/13	08:18	08:46	LSF	97218	13082800	M111611	12.5	215207	sncl2:M11614
08/31/13	06:02	09:37	LSF	97438,97454,97455,97458, 97462,97463,97434	13083100	M111685	12.5	215207	sncl2:M11691
08/31/13	09:52	12:13	LSF	97475,97478	13083101	M111685	12.5	215207	sncl2:M11691
09/07/13	08:08	11:19	LSF	97679,97680,97681,97682, 97685,97694,97695,97696,97697	13090700	M111685	12.5	215207	sncl2:M11691

Reviewed By/Date:_____

#M116692 09/04/13 As 1000mg/L SPEX certiprep Lot# 18-131ASY ex. 8/30/14
MDS

#M116693 09/04/13 Pb 1000mg/L SPEX certiprep Lot# 19-01PBY ex. 8/30/14
MDS

#M11677 8-20-13 As 1000mg/L Spex Certiprep Lot # 18-13IAS0. ex 8/30/14

#M11678 8-20-13 Pb 1000 mg/L Spex Certiprep Lot# 19-01PBY ex: 8/30/14

#M11679 8-20-13 S 10,000 mg/L SPC Science Lot# S13072402I exp 5/15

#M11680 08/22/13SF (Fisher) Hydroxylamine Sulfate Lot#1274466 Exp: 08/22/14

#M11681 8-22-13 Spex Certiprep Lot# 4-20NP ex 8/14 (Custom Iss. Std)

#M11682 8-22-13 CPI Pb, 10,000 mg/L Lot# 11J007 ex 2/15

#M11683 08/22/13SF TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H2O. Add 114mL Glacial Acetic Acid (AB: 565) and 128.6mL 10N NaOH (#M10507). Dilute to 20L with D.I. H2O and mix. pH = 4.93±0.05

Exp: 08/22/14

#M11684 08/22/13SF TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H2O. Add 114mL Glacial Acetic Acid (AB: 565) and 128.6mL 10N NaOH (#M10507). Dilute to 20L with D.I. H2O and mix. pH = 4.93±0.05

Exp: 08/22/14

set 10mls
w/ DI H2O

8-29-13

pipet 50mls
flask w/ DI H2O.

2/15

2/15

2/15

2/15

made (#M11285)
& D.I. H2O.

(#M11493) and
M11376) in 50ml

#M11685 08/29/13SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11686 08/29/13SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11687 08/29/13SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11686) into 100ml = 3.0ug/L Hg
#M11688 08/29/13SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11689 08/29/13SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11686) into 100ml = 0.2ug/L Hg
#M11690 08/29/13SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11691 08/29/13SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11558) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11618 8-13-13 MRL/ICV LL onto 1000 ml vol flask pipet the following master standard =>

.5% HCl, HNO3

Bring upto mark with DI H2O.

8/12/13

Analyte	(ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag	20	M11170	1000	1
Al	400	M11537	10000	2
Ba	10	M11052	1000	0.5
Be	4	M11239	1000	0.2
Cd	5	M11242	1000	0.25
Co	10	M11355	1000	0.5
Cr	10	M11053	10000	0.05
Cu	10	M11051	10000	0.05
Mg	500	M11536	10000	2.5
Mn	10	M11054	10000	0.05
Mo	10	M11357	1000	0.5
Ni	10	M11358	1000	0.5
Pb	10	M11400	1000	0.5
Sb	20	M11172	1000	1
V	10	M11241	1000	0.5
Zn	10	M11240	10000	0.05
K	1000	M11243	10000	5
Na	1000	M11366	10000	5
As	20	M11173	1000	1.
Ca	500	M11539	10000	2.5
Fe	300	M11535	10000	1.5
Se	20	M11171	10000	0.1
Tl	20	M11361	1000	1
Si	100	M11356	1000	5
B	20	M11205	1000	1
Li	20	M11362	1000	1
W	50	M11365	1000	2.5
Tl	10	M11364	1000	0.5
Sr	10	M11360	1000	0.5
Sn	50	M11359	1000	2.5
S	100	M11343	1000	5

#M11677 8-20-1

#M11678 8

#M11679

#M11680 08/12/13

#M11681 8-2

#M11682 8-2

#M11683 08/22/1

#M11684 8/22/13

#M11619 8-13-13 MRL onto 500 ml vol flask pipet 10mls .5% HCl, HNO3 of Master Std #M11618. Bring upto mark with DI H2O

#M11620 8-13-13 ICV LL onto 500 ml vol flask pipet 50mls 0.5% HCl, HNO3 of Master Std #M11618. Bring up to mark with DI H2O. 8-19-13

#M11621 8-19-13 Na 1000 mg/L CPI Lot 13E226 ex 2/15

#M11622 8-19-13 Fe 10,000 mg/L CPI Lot 13H100 ex 2/15

#M11623 8-19-13 K 10,000 mg/L CPI Lot 13H099 ex 2/15

#M11624 8-19-13 K 1000 mg/L CPI Lot 13E108 ex 2/15

#M11675 08/20/13 5F Potassium permanganate Soln: 50g potassium permanganate (#M11285) dissolve into 1000ml of D.I. H2O. Exp: 02/20/14

#M11676 08/20/13 5F NaCl Hydroxylamine Sulfate Reagent: Dissolve into 60g NaCl (#M11493) and 60g hydroxylamine sulfate (#M11336) in 500ml Milli-Q H2O. Exp: 02/20/14

[redacted]

#M11606 Continuing Calibration Standard 1(CCV1)

8-7-13 JA

5% HCl
5% HNO3

Into a one liter volmetric flask pipet 50mls of # M11584b (ex 07/14)
and 5 ml of #M11585 (ex 07/14).
ex. 07/14
Bring up to mark with DI H2O

#M11607 Continuing Calibration Standard 2(CCV2)

8-7-13 JA

5% HCl+HNO3

Into a one liter volmetric flask pipet 5 mls of # M11584b (ex 7/14)
and 0.5 ml of #M11585 (ex 07/14).
ex. 7/14
Bring up to mark with DI H2O

#M11608 Initial Calibration Standard (ICV)

8-7-13 JA

5% HCl
+ HNO3

Into one liter volumetric flask pipet 10 mls of M11542 (ex 6/14)
2.0 mls of #m11399 (ex 03/14) and 0.5 mls #M11357 Mo (ex 08/14) and 0.5 mls
of #M11205 B (ex 5/14) bring up to mark with DI H2O

HNO3 (AB: 554)

Chloride (#M11558) in

3-19SNY

#M11609 ICSAB (DODcal) into 500 ml vol flask pipet 50 mls #M11399
5% HCl 8-7-13 2.5 mls #M11584b, 2.5 mls #M11585, 15mls #M11535. Bring up to mark
5% HNO3 JA w/ DI H_2O. ex 3/14.

#M11610 ICSA (DODcal) into 500 ml vol flask pipet 50 mls #M11399
5% HCl 8-7-13 15 mls #M11535 bring up to mark with DI H_2O ex 3/14
5% HNO3 JA

#M11611 08/13/13SF Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11612 08/13/13SF Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11613 08/13/13SF Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 11612) into 100ml = 3.0ug/L Hg

#M11614 08/13/13SF Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11615 08/13/13SF Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M 11612) into 100ml = 0.2ug/L Hg

#M11616 08/13/13SF Hg Aqua Regia Reagent:
"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554) ,.

#M11617 08/13/13 SF Stannous Chloride Reagent:
Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11558) in
70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

ug/L std
tric flask= 1000 ug/L std

l0 mls #M11400 Pb (ex 3-14),

,10 mls #M11537 AL (ex 12/14)

), 50 mls #M11537 AL (ex 12/14)

2/14),100 mls #M11537 AL (ex 12/14)

ex 2-14

#M11597 08/05/13/5F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11598 08/05/13/5F	Hg All Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11599 08/05/13/5F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11598) into 100ml = 3.0ug/L Hg
#M11600 08/05/13/5F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11601 08/05/13/5F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11598) into 100ml = 0.2ug/L Hg
#M11602 08/05/13/5F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11603 08/05/13/5F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11558) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11604 8-6-13 JA Spex CertiPrep Custom Assurance Std Lot # 3-195NY ex Aug 2014.

#M11605 8-7-13 JA

ICAP Working Standards

5% HNO3 5%HCL

Standard name	Pipet the following respectively:
0.25	0.25 mls of standard 100 ug/L into 1000 ml volumetric flask = 0.25 ug/L std
0.5	0.50 mls of standard 100 ug/L into 1000ml volumentric flask= 0.50 ug/L std
1	1.0 mls of standard 100ug/L into 1000 ml volumentrc flask =1.00 ug/L std
5	5.0 mls of standard 100ug/L into 1000 ml volumentrc flask =5.00 ug/L std
10	10.0 mls of standard 100ug/L into 1000 ml volumentrc flask =10.0 ug/L std
20	20.0 mls of standard 100ug/L into 1000 ml volumentrc flask =20.0 ug/L std
50	50.0 mls of standard 100ug/L into 1000 ml volumentrc flask =50.0 ug/L std
100	1.0 mls of #M11584b(ex 07/14) and 1.0 mls of #M11585 (ex 07/14) into 1000 ml volumectric flask= 100 ug/L std
1000	10.0 mls of #M11584b(ex 07/14) and #M11585 (ex 07/14) and 1 mL of #M11356 Si into 1000 ml volumetric flask= 1000 ug/L std
10,000	100 mls #M11584b (ex 07/14),100 mls #M11585 (ex 07/14),
100k	10 mls of #M11051 Cu (ex 2/14) , 10 mls of #M11054 Mn (ex 2/14) , 10 mls of #M11053 Cr (ex 2/14), 100 mls #M11400 Pb (ex 3-14), 10 mls zn #M11240(ex 6-14), 10 mls #M11366 Na (ex 8/14)= 100,000 ug/L 10 mls #11607 AS (ex 8/14)
100,000	10 mls of #M11536 Mg (ex 12/14) , 10 mls of #M11535 Fe (ex 12/14) ,10 mls of #M11539 Ca (ex 12/14),10 mls #M11537 AL (ex 12/14) , into 1000 ml vol flask = 100,000 ug/l std
500,000	50 mls of #M11536 Mg (ex 12/14) , 50 mls of #M11535 Fe (ex 12/14) ,50 mls of #M11539 Ca (ex 12/14), 50 mls #M11537 AL (ex 12/14) into 1000 ml vol flask = 500,000 ug/l std
1000k	100 mls of #M11536 Mg (ex 12/14) , 100 mls of #M11535 Fe (ex 12/14) ,100 mls of #M11539 Ca (ex 12/14),100 mls #M11537 AL (ex 12/14) into 1000 ml vol flask = 1,000,000 ug/l std
	Bring the 1000 ml volumetric up to mark with DI H2O

ex 2-14

#M11606 C
8-7-13 JA
5% HCL
5% HNO3

#M11607 C
8-7-13 JA
5% HCL + HNO3

#M11608 I
8-7-13 JA
5% HCL
+ HNO3

#M11609 I
5% HCL 8-7-13
5% HNO3 JA

#M11610
5% HCL 8-7-13
5% HNO3 JA

#M11611 08/13/13/5F

#M11612 08/13/13/5F

#M11613 08/13/13/5F

#M11614 08/13/13/5F

#M11615 08/13/13/5F

#M11616 08/13/13/5F

#M11617 08/13/13/5F

H2O. Add 114mL
and 128.6mL
dilute to 2L with H2O
0.05

1938, product # 39043

#10-70YP

spec 20 mls
11573 & M11585.
9/13

H2O. Add 114mL
10N NaOH
H2O and mix.

#M11584b 7-29-13 Custum Assurance std 100mg/L(22) Spex Certiprep Lot# 20-105CR.
7A ex 7/14.

#M11585 7-29-13 Custum Assurance std 100mg/L(3) Spex Certiprep Lot# 20-104CR.
7A ex 7/14

#M11586 07/30/13SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11587 07/30/13SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11588 07/30/13SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11587) into 100ml = 3.0ug/L Hg
#M11589 07/30/13SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11590 07/30/13SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11587) into 100ml = 0.2ug/L Hg
#M11591 07/30/13SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11592 07/30/13SF 07/30/13SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11492) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11593 07/31/13SF NaCl Hydroxylamine Sulfate Reagent: Dissolve into 60g NaCl (#M11493) and 60g hydroxylamine Sulfate (#M11376) in 500mL Milli-Q H2O.
Exp: 01/31/13

#M11594 07/31/13 MDS TCLP Extraction Fluid #1: Fill a 20L Carboy with 19L D.I. H2O. Add 114mL Glacial Acetic (AB.565) and 128.6mL 10N NaOH (M11507). Dilute to 20L with D.I. H2O + mix. pH = 4.93±0.05

#M11595 07/31/13 MDS TCLP Extraction Fluid #1: Fill a 20L Carboy with 19L D.I H2O. Add 114ml Glacial Acetic (AB.565) and 128.6mL 10N NaOH (M11507). Dilute to 20L with D.I H2O. pH = 4.93±0.05

#M11596 08/02/13SF Potassium permanganate Soln: 50g Potassium permanganate (#M11285) dissolve into 1000mL of D.I. H2O.
Exp: 02/02/14

(AB: 554)

#M11492 in

w/ D.I H2O.

with DI H2O.

#M11571 07/16/13(5F TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H_2O. Add 114 mL Glacial Acetic Acid (AB: 565) and 128.6 mL 10 N NaOH (#M11507). ~~Dilute~~ 07/16/13(5F Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05

Exp: 07/16/14

#M11572 07/16/13 mds Nickel Nitrate Matrix Modifier Sol'n Alfa Aesar - Specpure Lot # 32-441193E, product # 39043

exp. 07/14

M11573 07/16/13 JH Spex Certiprep Custom Assurance std Lot # 10-70YP

ex. 7/30/14

M11574 7-17-13 JH ICSAB into 500 mL Vol flask pipet 50 mL of #M11399 15mL #M11535 2.5mL of #M11573 & M11085

ex 8/13 Bring up to mark with DI H_2O ex 9/13

#M11575 07/23/13(5F TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H_2O. Add 114 mL Glacial Acetic (AB: 565) and 128.6 mL 10 N NaOH (#M11507). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05

Exp: 07/23/14

M11576 07/24/13(5F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
M11577 07/24/13(5F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
M11578 07/24/13(5F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11577) into 100ml = 3.0ug/L Hg
M11579 07/24/13(5F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
M11580 07/24/13(5F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11577) into 100ml = 0.2ug/L Hg
M11581 07/24/13(5F	Hg Aqua Regia Reagent:	"Carefully" in hood; mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
M11582 07/24/13(5F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11492) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

M11583 07/25/13 mds GFAA Base Std. Into a Liter vol. Flask, pipet 0.25mL #M11430. Bring up to volume w/ D.I. H_2O.

exp: 05/14

M11584 07/25/13 mds GFAA ICV (alt source) - Into a Liter vol Flask, pipet 1mL #M11431. Bring up to volume with D.I. H_2O.

M11584 7-29-13 JH Custum Assurance std 100mg/L(22) Spex Certiprep ex 7/14

M11585 7-29-13 JH Custum Assurance std 100mg/L(3) Spex Certiprep ex 7/14

#M11586 07/30/13(5F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10m 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11587 07/30/13(5F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10m 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11588 07/30/13(5F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11587) into 100ml = 3.0
#M11589 07/30/13(5F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11590 07/30/13(5F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11587) into 100ml = 0.2
#M11591 07/30/13(5F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) wit
#M11592 07/30/13(5F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g S 70 mL HCl (AB: 553). Bring up to volume with D

#M11593 07/31/13(5F Diacl Hydroxylamine Sulfate Reagent: Dissolve into 600g NaCl (= hydroxylamine Sulfate (#M H_2O.

Exp: 01/31/13

#M11594 07/31/13 mds TCLP Extraction Fluid #1: Fill a 20L Carboy with 19L D.I. H_2O. Add and 128.6mL 10N NaOH (M11507). Dilute pH = 4.93 ± 0.05

#M11595 07/31/13 mds TCLP Extraction Fluid #1: Fill a 20L Carboy with 19L D.I. H_2O. Add 114ml and 128.6mL 10N NaOH (M11507). Dilut pH = 4.93 ± 0.05

#M11554 07/10/13 5F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11555 07/10/13 5F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11552) into 100ml = 0.2ug/L Hg
#M11556 07/10/13 5F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11557 07/10/13 5F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11558 07/08/13 5F Stannous Chloride (Macron) - Lot# 0000045932

#M11559 07/10/13 MOS GFAA Base Std. - Into a Liter vol. Flask, pipet 0.25ml #M11430. Bring up to volume with D.I water.
exp. 05/14

#M11560 07/10/13 MOS GFAA ICV (Alt. Source) - Into a 1-Liter vol. Flask, pipet 1ml #M11431 + bring up to volume with D.I water.

#M11561 07/10/13 MOS GFAA CCV - Into a 1-Liter vol. Flask, pipet 0.1ml #M11430 + bring up to volume with D.I water.

#M11562 07/10/13 5F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11563 07/10/13 5F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11564 07/10/13 5F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11563) into 100ml = 3.0ug/L Hg
#M11565 07/10/13 5F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11566 07/10/13 5F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11563) into 100ml = 0.2ug/L Hg
#M11567 07/10/13 5F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11568 07/10/13 5F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11492) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11569 07/15/13 5F Potassium permanganate soln: 50g Potassium permanganate (#M11485) dissolve into 1000ml of D.I. H2O.
Exp: 07/15/14

#M11570 07/16/13 5F TCLP Extraction Fluid #1: Fill a 20L carboy w/19L D.I. H2O. Add 114ml Glacial Acetic Acid (AB: 545) and 128.6ml 10N NaOH (#M11344). Dilute to 20L
07/16/13 5F
Exp: 07/16/14

#M11538 06/24/13 13F Na 1000mg/L CPI Lot#13E225 Exp: 12/14/14

#M11539 06/24/13 13F Ca 10,000mg/L CPI Lot#13B105 Exp: 12/14/14

M11540 06/24/13 13F K 1000mg/L CPI Lot#13E108 Exp: 12/14/14

M11541 06/25/13 13F potassium permanganate soln: 50g Potassium permanganate (#M11285) dissolve into 1,000mL of DI. H2O. Exp: 12/25/13

M11542 06/26/13 Custom Assurance std Spex CertiPrep Lot # 3-8[illegible] ex 6/14.

#M11543 06/26/13 13F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11544 06/26/13 13F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11545 06/26/13 13F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11544) into 100ml = 3.0ug/L Hg
#M11546 06/26/13 13F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11547 06/26/13 13F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11544) into 100ml = 0.2ug/L Hg
#M11548 06/26/13 13F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11549 06/26/13 13F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11675 in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11550 6-26-1322 10,000 µg/mL Env Express Lot #1311349 e. 12/14

#M11551 07/02/13 13F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11552 07/02/13 13F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11553 07/02/13 13F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11552) into 100ml = 3.0ug/L Hg

#M11523 06/13/13 MDS GFAA LOD/LOQ Water Spiking Soln: Into a 1L vol. Flask, pipet 10mL of #M11522 (1% HNO_3) and bring up to volume with D.I water.

#M11524 06/13/13 LSF Potassium persulfate: 50g potassium persulfate (#M9903) dissolve into 1,000mL D.I. H_2O. Exp: 12/13/13

#M11525 06/14/13 MDS GFAA LOD/LOQ Soil Working Std: Into a 200mL vol. Flask partially filled with D.I H_2O, pipet the Following and bring up to volume with D.I H_2O.

1.2mL Sb 1000mg/L (#M11172) = 6,000ug/L Sb
3.2mL As 1000mg/L (#M11173) = 16,000ug/L As
3.2mL Se 1000mg/L (#M11171) = 16,000ug/L Se
0.08mL Pb 10000mg/L (#M10637A) = 4,000ug/L Pb
1.0mL Tl 1000mg/L (#M11361) = 5,000ug/L Tl

#M11526 06/14/13 MDS GFAA LOD/LOQ Soil Spiking Std: Into a 1L vol. Flask, pipet 10mL of #M11525 + bring up to volume with DI H_2O.

#M11527 06/17/13 LSF — Hg Working Stds: (0.2% HNO_3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11528 06/17/13 LSF — Hg Alt Source Working Std: (0.2% HNO_3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg.

#M11529 06/17/13 LSF — Hg ICV / LCSW (0.2% HNO_3, HCl)
3.0ml of 100ug/L Hg (#M11528) into 100ml = 3.0ug/L Hg

#M11530 06/17/13 LSF — Hg CCV (0.2% HNO_3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11531 06/17/13 LSF — Hg MRL: (0.2% HNO_3, HCl)
0.2ml of 100ug/L Hg (#M11528) into 100ml = 0.2ug/L Hg

#M11532 06/17/13 LSF — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO_3 (AB: 554)

#M11533 06/17/13 LSF — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11534 06/20/13 LSF NaCl Hydroxylamine Sulfate Reagent: Dissolve into 60g NaCl (#M11493) and 60g hydroxylamine sulfate (#M11376) in 500mL Milli-Q H_2O. Exp: 12/20/13

#M11535 06/24/13 LSF Fe 10,000 mg/L CPI Lot# 13D184 Exp: 12/14/14

#M11536 06/24/13 LSF Mg 10,000 mg/L CPI Lot# 13B063 Exp: 12/14/14

#M11537 06/24/13 LSF Al 10,000 mg/L CPI Lot# 13D129 Exp: 12/14/14

#M11511 06/10/13 JF NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M11493) and 60g hydroxylamine Sulfate (#M11376) in 500ml Milli-a H_2O.
Exp: 12/10/13

#M11512 06/10/13 JF Hg Working Stds: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
- 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
- 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
- 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
- 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
- 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11513 06/10/13 JF Hg Alt Source Working Std: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
- 1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11514 06/10/13 JF Hg ICV / LCSW (0.2% HNO3, HCl)
- 3.0ml of 100ug/L Hg (#M11573) into 100ml = 3.0ug/L Hg

#M11515 06/10/13 JF Hg CCV (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11516 06/10/13 JF Hg MRL: (0.2% HNO3, HCl)
- 0.2ml of 100ug/L Hg (#M11573) into 100ml = 0.2ug/L Hg

#M11517 06/10/13 JF Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11518 06/10/13 JF Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11519 06/12/13 MDS Pd/Mg Modifier- Into a 50mL vol. flask, pipet 15mL #M11411 and 5mL #M10551. Bring up to volume with milli-Q H_2O.

#M11520 06/13/13 MDS GFAA LOD/LOQ Soil Ag Spiking Sol'n: (1% HNO_3) exp 04/24/14 Into a 1L vol. Flask, pipet 10mL of #M11521 and bring up to volume w/ D.I water.

#M11521 06/13/13 MDS GFAA LOD/LOQ Soil Ag Working Std: (1% HNO_3) exp. 04/24/14 Into a 200mL vol. flask, partially filled w/ D.I water, pipet the following and bring up to volume w/ D.I H_2O.
- 0.12 mL Ag 1000mg/L (#M11170) = 600 ug/L Ag

#M11522 06/13/13 MDS GFAA LOD/LOQ Water Working Std: (1% HNO_3) Into a 100mL vol. Flask, partially filled with D.I H_2O, pipet the following + bring up to volume w/ D.I H_2O.
- 1.5mL Sb 1000mg/L (#M11172) = 15,000 ug/L Sb
- 1.0 mL As 1000mg/L (#M11173) = 10,000 ug/L As
- 2.0mL Se 1000mg/L (#M11171) = 20,000 ug/L Se
- 0.045mL Pb 10,000 mg/L (#M10839) = 4500 ug/L Pb
- 0.4mL Tl 1000 mg/L (#M11361) = 4000 ug/L Tl
- 0.1mL Ag 1000 mg/L (#M11170) = 1000 ug/L Ag

#M11523 06/13/13 MDS

#M11524 06/13/13 JF
Exp

#M11497 05/28/13 JSF TCLP Extraction Fluid #1: Fill a 20L Carboy w/ 19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 10N NaOH (#M11344). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05

Exp: 05/28/14

#M11498 05/31/13 JSF Potassium permanganate Soln: 50g potassium permanganate (#M11285) dissolve into 1,000mL of D.I. H_2O.

Exp: 11/05/13 12/05/13 JSF

#M11499 06/03/13/JSF Hg Working Stds: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
- 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
- 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
- 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
- 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
- 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11500 06/03/13/JSF Hg Alt Source Working Std: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M9063) into 100ml =10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg

#M11501 06/03/13/JSF Hg ICV / LCSW (0.2% HNO3, HCl)
- 3.0ml of 100ug/L Hg (#M11500) into 100ml = 3.0ug/L Hg

#M11502 06/03/13/JSF Hg CCV (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11503 06/03/13/JSF Hg MRL: (0.2% HNO3, HCl)
- 0.2ml of 100ug/L Hg (#M11500) into 100ml = 0.2ug/L Hg

#M11504 06/03/13/JSF Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11505 06/03/13/JSF Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11506 06/04/13 MDS TCLP Extraction Fluid #1: Fill a 20L Carboy w/ 19L D.I H_2O. Add 114mL Glacial/Acetic Acid (AB: 565) and 128.6mL 10N NaOH (#M11469) MDS 06/04/13. Dilute to 20L w/ D.I H_2O and mix. pH = 4.93 ± 0.05

#M11507 06/04/13 MDS 10N NaOH: Into a 1L Flask, add 400g NaOH (#M11145) and bring to volume w/ D.I H_2O.

#M11508 06/04/13 MDS TCLP Extraction Fluid #1: Fill a 20L Carboy w/ 19L D.I H_2O. Add 114mL Glacial Acetic Acid (AB: 565) and add 128.6mL 10N NaOH (#M11969). Dilute to 20L w/ D.I H_2O and mix. pH = 4.93 ± 0.05

#M11509 06/04/13 MDS TCLP Extraction Fluid #1: Fill a 20L Carboy w/ 19L D.I H_2O. Add 114mL Glacial Acetic Acid (AB: 565) and add 128.6mL 10N NaOH (#M11507). Dilute to 20L w/ D.I H_2O and mix. pH = 4.93 ± 0.05

#M11510 06/04/13 JSF Potassium permanganate soln: 50g potassium permanganate (#M11285) dissolve into 1,000mL of D.I. H_2O.

Exp: 11/04/14 12/04/13 JSF

#M11483 05/17/13 I5F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11484 05/17/13I5F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11485 05/17/13I5F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11484) into 100ml = 3.0ug/L Hg
#M11486 05/17/13I5F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11487 05/17/13I5F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11484) into 100ml = 0.2ug/L Hg
#M11488 05/17/13I5F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11489 05/17/13I5F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11015) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11490 05/20/13I5F TCLP Extraction Fluid #1: Fill a 20L carboy w/ ~19L D.I. H2O. Add 114ml Glacial Acetic Acid (AB534) and 128.6ml 10N NaOH (#M11344). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05

Exp: 05/20/14

#M11491 05/21/13I5F NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9574) and 6g hydroxylamine sulfate (#M11039) in 50mL Milli-Q H2O.

Exp: 11/21/13

#M11492 05/28/13I5F Stannous Chloride (Macron) - Lot #0000040028

#M11493 05/28/13 I5F Sodium Chloride Fisher Lot NO. 126180 F.W. 58.44

#M11494 05/28/13I5F TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H2O. Add 114ml Glacial Acetic Acid (AB534) and 128.6ml 10N NaOH (#M11344). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05

Exp: 05/28/14

#M11495 05/28/13I5F TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H2O. Add 114ml Glacial Acetic Acid (AB534) and 128.6ml 10N NaOH (#M11344). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05

Exp: 05/28/14

#M11496 05/28/13I5F TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H2O. Add 114ml Glacial Acetic Acid (AB534) and 128.6ml 10N NaOH (#M11344). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05

Exp: 05/28/13

#M11497 05/28/13 I5F

#M11498 05/31/13 I5F

#M11499 06/03/13I5F

#M11500 06/03/13I5F

#M11501 06/03/13I5F

#M11502 06/03/13I5F

#M11503 06/03/13I5F

#M11504 06/03/13I5F

#M11505 06/03/13I5F

#M11506 06/04/13 mos

#M11507 06/04/13 mos

#M11508 06/04/13 mos

#M11509 06/04/13 mos

#M11510 06/07/13

4mL Glacial
#M11344).
4.93± 0.05

114mL Glacial
(#M11344).
4.93± 0.05

gacetate
)mL of DI. H2O.

): 554)

(#M1675) in

405/10/13 SF
) and 60g
500mL Milli-Q H2O

to volume with

pipet 5mLs
DEI H2O.
/2014

#M11474
5-1-13 Boron + Silicon ICV onto 200 mL vol flask piped 0.2mLs
10% HCl #M11205 of #M11356. Bring up to mark with DI
Exp 6-7-13 H2O. ex 5/14.

5-1-13
#M11472 ICS A List 2 into 500 mL vol flask piped 50mLs #M11225
of 0.25mLs of #M11359, #M11362, #M11364, #M11056, #M11360
Bring up to mark with DI H2O. ex 12/13

#M11473 05/09/13 SF

Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11474 05/09/13 SF Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11475 05/09/13 SF Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11474) into 100ml = 3.0ug/L Hg
#M11476 05/09/13 SF Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11477 05/09/13 SF Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11474) into 100ml = 0.2ug/L Hg
#M11478 05/09/13 SF Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11479 05/09/13 SF Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11675) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11480 05/10/13 SF Potassium Persulfate: 50g potassium persulfate (#M10573) dissolve into 1,000mL of
Exp: 11/10/13 D.I. H2O.

#M11481 05/13/13 SF Potassium permanganate Soln: 50g potassium permanganate (#M9903) dissolve into
Exp: 11/13/13 1000mL of D.I. H2O.

#M11482 05/15/13 SF TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H2O. Add 114mL Glacial Acetic Acid
Exp: 05/15/14 (AB.534) and 128.6mL 10N NaOH (#M11468). Dilute to 20L with D.I. H2O
and mix. pH: 4.93± 0.05.

04/24/13 5F
#M11458 TCLP Extraction Fluid #1: Fill a 20L Carboy w/ 19L D.I. H2O. Add 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 10N NaOH (#M11344). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05
Exp: 04/24/14

#M11459 04/30/13 5F TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H2O. Add 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 10N NaOH (#M11344). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05
Exp: 04/30/14

05/01/13 5F
#M11460 ~~5F~~ 05/01/13 5F Potassium permanganate soln: 50g potassium permanganate (#M9903) dissolve into 4000mL of D.I. H2O.
Exp: 11/01/13

#M11461 05/01/13 5F Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11462 05/01/13 5F Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11463 05/01/13 5F Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M11462) into 100ml = 3.0ug/L Hg

#M11464 05/01/13 5F Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11465 05/01/13 5F Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M11462) into 100ml = 0.2ug/L Hg

#M11466 05/01/13 5F Hg Aqua Regia Reagent:
"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11467 05/01/13 5F Stannous Chloride Reagent:
Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M1675) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11468 05/01/13 5F NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9903) ~~#5774~~ 05/01/13 5F and 60g hydroxylamine sulfate (#M10391) in 500mL Milli-QH2O
Exp: 11/01/13

#M11469 05/03/13 5F 10N NaOH: Into a 1L flask add 400g NaOH (#M11345) and bring up to volume with D.I. H2O.
Exp: 11/03/13

#M11470 - 20 5-1-13 10% HNO3, 1% HCl
ICV Sodium & Potassium: Add to 500 mL vol flask piped 5mL of #M11463 & 5mL M11361e Bring up to mark with DI H2O.
exp Jun/2014

#M11471 5-1-13 ZA Boron 1% HCl 1% HNO3 5-1-13

5-1-13 ZA #M11472

#M11473 05/09/13 5F

#M11474 05/09/13 5F

#M11475 05/09/13 5F

#M11476 05/09/13 5F

#M11477 05/09/13 5F

#M11478 05/09/13 5F

#M11479 05/09/13 5F

#M11480 05/10/13 5F

#M11481 05/13/13

#M11482 05/15/13 5F Exp: 0

#M11442 04/09/13SF TCLP Extraction Fluid #1: Fill a 20L carboy w/19L D.I. H2O. Add 114ml Glacial Acetic Acid (AB: 534) and 1286ml 10N NaOH (#M11344) Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05
Exp: 04/09/14

(AB: 554)

de (#M 10675) in

#M11443 04/12/13SF — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

xp: 04/01/14

2: 04/01/14

#M11444 04/12/13SF — Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

ject
- H2O.

#M11445 04/12/13SF — Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 11444) into 100ml = 3.0ug/L Hg

Vol flask
ask DI H2O

#M11446 04/12/13SF — Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11447 04/12/13SF — Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M 11444) into 100ml = 0.2ug/L Hg

ask: pipet
t with DI H2O

#M11448 04/12/13SF — Hg Aqua Regia Reagent:
"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11449 04/12/13SF — Stannous Chloride Reagent:
Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 10675) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11450 04/12/13SF Potassium Permanganate Soln: 50g Potassium permanganate (#M9903) dissolve into 1liter of D.I. H2O.
Exp: 10/12/13

#M11451 04/22/13SF — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11452 04/22/13SF — Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11453 04/22/13SF — Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 11452) into 100ml = 3.0ug/L Hg

#M11454 04/22/13SF — Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

lO3 (AB: 554)

nloride (#M 10675) in

#M11455 04/22/13SF — Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M 11452) into 100ml = 0.2ug/L Hg

#M11456 04/22/13SF — Hg Aqua Regia Reagent:
"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11457 04/22/13SF — Stannous Chloride Reagent:
Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 10675) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11427 04/01/13 5F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11434) into 100ml = 0.2ug/L Hg
#M11428 04/01/13 5F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11429 04/01/13 5F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11675) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.
#M11430 04/01/13 5F	Custom Solution 04/01/13 5F	Inorganic Ventures lot# G2-MEB471044 Exp: 04/01/14
#M11431 04/01/13 5F	Custom Solution	Inorganic Ventures lot# G2-MEB471043 Exp: 04/01/14
#M11432 04-02-13	GFAA Base Std. Into 1 Liter Vol flask pipet 2% 0.5% HNO3 0.25 mls of #M11430	bring up to mark with DI H_2O. ex 5/14.
#M11433 4-2-13	GFAA ICV (Alt Source) 2% 0.5% HNO3	Into 1 Liter Vol flask pipet 1ml #M11431. Bring up to mark w/ DI H_2O. ex 5/14
#M11434 4-2-13	GFAA CCV - 2% 0.5% HNO3	Into 1 Liter Vol flask pipet 0.1mls M11430. Bring up to mark with DI H_2O ex 5/14
#M11435 04/05/13 5F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11436 04/05/13 5F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11437 04/05/13 5F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11436) into 100ml = 3.0ug/L Hg
#M11438 04/05/13 5F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11439 04/05/13 5F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11436) into 100ml = 0.2ug/L Hg
#M11440 04/05/13 5F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11441 04/05/13 5F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11675) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11442 04/09/13 5F ex

#M11443 04/12/13 5F

#M11444 04/12/13 5F

#M11445 04/12/13 5F

#M11446 04/12/13 5F

#M11447 04/12/13 5F

#M11448 04/12/13 5F

#M11449 04/12/13 5F

#M11450 04/12/13 5F ex

#M11451 04/22/13 5F

#M11452 04/22/13 5F

#M11453 04/22/13 5F

#M11454 04/22/13 5F

#M11455 04/22/13 5F

#M11456 04/22/13 5F

#M11457 04/22/13 5F

03/21/13 SF

#M11413 #M11413 03/21/13 SF

Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11414 03/21/13 SF

#M11415 03/21/13 SF — Hg ICV / LCSW (0.2% HNO3, HCl): 3.0ml of 100ug/L Hg (#M 11414) into 100ml = 3.0ug/L Hg

#M11416 03/21/13 SF — Hg CCV (0.2% HNO3, HCl):
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11417 03/21/13 SF — Hg MRL: (0.2% HNO3, HCl): 0.2ml of 100ug/L Hg (#M 11414) into 100ml = 0.2ug/L Hg

#M11418 03/21/13 SF — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11419 03/21/13 SF — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11015) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11420 03/25/13 SF Potassium Permanganate Soln: 50g Potassium permanganate (#M9783) dissolve into 1,000ml of D.I. H2O
Exp: 09/25/13

#M11421 03/29/13 SF Potassium Persulfate: 50g Potassium persulfate (#M10573) dissolve into 1,000ml D.I. H2O.
Exp: 09/29/13

#M11422 03/29/13 SF NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine sulfate (#M11039) in 500ml Milli-Q H2O.
Exp: 09/29/13

#M11423 04/01/13 SF

Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11401 3/14 Acetic to 7pl

#M11424 04/01/13 SF

Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11425 04/01/13 SF — Hg ICV / LCSW (0.2% HNO3, HCl): 3.0ml of 100ug/L Hg (#M 11424) into 100ml = 3.0ug/L Hg

#M11426 04/01/13 SF — Hg CCV (0.2% HNO3, HCl):
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M113098 03/15/13 15F Custom Assurance Standard · spex certiprep lot# 1-222XL Exp: 03/30/14 03/15/13
Cat#: XCTW7-5-500

#M113399 03/15/13 25F Interferents A Standard · Spex CertiPrep Lot# 6-126YP Exp: 03/30/14

#M11400 03/15/13 25F Pb 1,000 mg/L Spex CertiPrep Lot# 18-129PBY Exp: 03/30/14

#M11401 03/15/13 15F As 1,000 mg/L spex CertiPrep Lot# 18-131ASY Exp: 03/30/14

#M11402 03/18/13 15F Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11403 03/18/13 15F Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11404 03/18/13 15F Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 11403) into 100ml = 3.0ug/L Hg

#M11405 03/18/13 15F Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11406 03/18/13 15F Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M 11403) into 100ml = 0.2ug/L Hg

#M11407 03/18/13 15F Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11408 03/18/13 25F Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11675) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11409 03/19/13 15F Hg 1,000 mg/L CPI Lot# 12H328 Exp: 09/13/14

#M11410 3/21/13 21 ICV 2 ICP-DO Cal Dnto 1 Liter Vol flask pipet 5mls #M
5% HCl + #M 11400. Bring up to mark with DI H2O ex 3/14
5% HNO3 = 5000 ug/L As + Pb

#M11411 3-21-13 21 Pd NO3 Env. Express Lot# 1234818. ex 3/14

#M11412 03/21/13 15F TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H2O. Add 114ml Glacial Acetic Acid (AB: 534) and 128.6ml 1N NaOH (#M11314). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05 03/21/13 15F

#M11388 03/08/13 JF GFAA H2O LOQ Spiking Solution

Spiking Solution calc
Base SPIKE PREPARATION 50x Exp: 04/13

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	(ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag water	0.4	M11170	1000	0.02
As water	4	M11173	1000	0.2
Pb water	1.8	M10839	1000	0.09
Sb water	6	M11172	1000	0.3
Se water	8	M11171	1000	0.4
Tl water	1.6	M10566	1000	0.08

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

#M11389 03/08/13 JF GFAA Soil LOQ Spiking Solution

Spiking Solution calc
Base SPIKE PREPARATION 50x Exp: 4/13

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	(ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag soil	0.48	M11170	1000	0.024
As soil	6.4	M11173	1000	0.32
Pb soil	1.6	M10839	1000	0.08
Sb soil	2.4	M11172	1000	0.12
Se soil	6.4	M11171	1000	0.32
Tl soil	2	M10566	1000	0.1

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

#M11390 03/11/13 JF

Hg Working Stds: (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11391 03/11/13 JF

Hg Alt Source Working Std: (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11392 03/11/13 JF

Hg ICV / LCSW (0.2% HNO3, HCl)

3.0ml of 100ug/L Hg (#M11391 03/11/13 JF) into 100ml = 3.0ug/L Hg

#M11393 03/11/13 JF

Hg CCV (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11394 03/11/13 JF

Hg MRL: (0.2% HNO3, HCl)

0.2ml of 100ug/L Hg (#M11391 03/11/13 JF) into 100ml = 0.2ug/L Hg

#M11395 03/11/13 JF

Hg Aqua Regia Reagent:

"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11396 03/11/13 JF

Stannous Chloride Reagent:

Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M10757) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11397 03/14/13 JF TCLP Extraction Fluid #1: Fill a 20L carboy w/19L DI H2O. Add 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 1N NaOH (#M11344). Dilute to 20L with DI H2O and mix. pH = 4.93 ± 0.05

Exp: 03/14/14

#M11381 03/04/13 SF TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L DI H_2O. Add 114 mL Glacial Acetic Acid (AB, 5354) and 128.6 mL 1N NaOH (#M11344). Dilute to 20L with DI H_2O and mix. pH = 4.93 ± 0.05

Exp: 03/04/14

#M11382 Working Stds 1 & 2 Into 4 200 mL vol flasks pipet

3-5-13 JD

1% HNO_3
1% HCl

10	0.02 mls #M11203 & .002 mls #M11365
100 ug/L	0.2 mls #M11203 & .02 mls #M11365
1000 ug/L	2 mls #M11203 & .2 mls #M11365
10,000 ug/L	20 mls #M11203 & 2 mls M11365

Bringing to mark with DI H_2O ex Nov 2013

#M11383 3-5-13 JD ICV L2 Into a 200 mL vol flask pipet 0.2 mls of #M11356, #M11365, #M11359, #M11360 and #M11356

1% HNO_3
1% HNCl

Bring up to mark with DI H_2O 4-12-13

#M11384 03/07/13 SF LOD, LOQ check (3050) Into 1 liter volumetric flask pipet 1 mL M11343. Bring up to mark with DI H_2O x50 dilution use 1mL in 50 ~~for~~ 03/07/13 SF 10 into 500 mL for = 240 ug/L or 6 mg/kg. (3060)

Exp: 02/28/14

#M11385 03/07/13 SF LOD, LOQ Check 5 H_2O. Into a 1 Liter volumetric flask pipet 1mL M11343. Bring up to mark with DI H_2O x50 dilution use 1mL in 50 or 10 into 500mL for = 240 ug/L or 6 mg/kg.

Exp: 02/28/14

#M11386 03/08/13 SF Hg H_2O LOQ Spiking Solution

Spiking Solution calc
Base SPIKE PREPARATION 50x Exp: 04/13

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	(ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Hg water	0.12	M10563	1000	0.006

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

#M11387 03/08/13 SF Hg soil LOQ Spiking Solution

Spiking Solution calc
Base SPIKE PREPARATION 50x Exp: 04/13

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	(ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Hg soil	0.2	M10563	1000	0.01

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

#M11368 02/26/13 SF Fe 10,000mg/L ODI Lot# 13B029 Exp: 08/20/14

#M11369 02/28/13 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11370 02/28/13 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11371 02/28/13 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 1370) into 100ml = 3.0ug/L Hg
#M11372 02/28/13 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11373 02/28/13 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 1370) into 100ml = 0.2ug/L Hg
#M11374 02/28/13 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11375 02/28/13 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M[illegible]) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11376 03/01/13 SF (Fisher) Hydroxylamine Sulfate Lot#111678A Exp: 03/01/14

#M11377 3-1-13 5 working stds. into 4 100 ml vol. flask pipet Respectively from #M 11343 10,000 mg/L S spex Certiprep Lot# AG14-1755 Y std
0.01 mls -> = 1000ug/L S
0.1 mls -> = 10,000 ug/L S
1.0 mls -> = 100,000ug/L S
10 mls -> = 1000 kug/L S
Bring up & mark w/ DI H2O ex 2/14

#M11378 3-1-13 5 ICV (Alt) into 1 100 vol flask pipet from #M10773 Plasma Cal lot 5120116017 0.01 mls = 1000ug/L S. ex 10/13
Bring up to mark w/DI.

#M11379 03/04/13 SF Stannous Chloride (Macron) - Lot #0000017703

#M11380 3/4/13 ICV into 1 Liter vol flask Pipet 10mls #M11342, 2mls #M11225, 0.5mls #M11357. Bring up to mark with DI H2O. ex NOV. 2013.

#M11349 02/19/13 5F — Hg MRL: (0.2% HNO3, HCl) — 0.2ml of 100ug/L Hg (#M11346) into 100ml = 0.2ug/L Hg

#M11350 02/19/13 5F — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554).

#M11351 02/19/13 5F — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11615) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11352 02/22/13 5F Potassium permanganate Soln: 50g potassium permanganate (#M9703) dissolve into 1000mL of D.I. H2O.
Exp: 08/22/13

#M11353 02/22/13 5F NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine sulfate (#M11
in 500mL Milli-Q H2O.
Exp: 08/22/13

#M11354 02/22/13 5F TCLP Extraction Fluid #1: Fill a 2L carboy w/1.9L D.I. H2O. Add 11.4mL Glacial Acetic Acid (AB.534) and 128.6mL 2.0N NaOH (#M11344). Dilute to 2L with D.I. H2O and mix. pH=4.93 ± 0.05
Exp: 02/22/14

#M11355 2-22-13 ~~CPI~~ Co 1000mg/L CPI Lot # 12H067 ex. 8/20/14
N

#M11356 02/26/13 5F Si 1000 mg/L CPI Lot#13A214 Exp: 08/20/14

#M11357 02/26/13 5F Mo 1000 mg/L CPI Lot#12K060 Exp: 08/20/14

#M11358 02/26/13 5F Ni 1000 mg/L CPI Lot#13A215 Exp: 08/20/14

#M11359 02/26/13 5F Sn 1000 mg/L CPI Lot#12J125 Exp: 08/20/14

#M11360 02/26/13 5F Sr 1000 mg/L CPI Lot#12L094 Exp: 08/20/14

#M11361 02/26/13 5F Tl 1000mg/L CPI Lot#12G229 Exp: 08/20/14

#M11362 02/26/13 5F Li 1000mg/L CPI Lot#12A008 Exp: 08/20/14

#M11363 02/26/13 5F Al 10,000mg/L CPI Lot#12K049 Exp: 08/20/14

#M11364 02/26/13 5F Ti 1000mg/L CPI Lot#12K061 Exp: 08/20/14

#M11365 02/26/13 5F W 1000mg/L CPI Lot#12H257 Exp: 08/20/14

#M11366 02/26/13 5F Na 10,000mg/L CPI Lot#13A194 Exp: 08/20/14

#M11367 02/26/13 5F Ca 10,000mg/L CPI Lot#12L059 Exp: 08/20/14

#M11336 02/07/13 I5F TCLP Extraction Fluid #1: Fill a 20L carboy with 19L D.I. H2O. Add 114ml Glacial Acetic Acid (AB.534) and 128.6ml 10N NaOH (#M10910). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05
Exp: 02/07/14

#M11337 02/08/13 I5F Potassium permanganate soln: 50g potassium permanganate (#M9905) dissolve into 1,000mL of D.I. H2O.
Exp: 08/08/13

#M11338 02/11/13 I5F TCLP Extraction Fluid #1: Fill a 20L carboy with 19L D.I. H2O. Add 114ml Glacial Acetic Acid (AB534) and 128.6ml 10N NaOH (#M0910). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05
Exp: 02/11/14

#M11339 2-13-13 TCLP Extraction Fluid #1: fill a 20 Liter w 19L DI H2O. Add 114 ml Glacial Acetic Acid (AB:534) and 128.6 ml 10N NaOH (#M10910) Dilute to 20L with DI H2O & Mix. pH = 4.93 ± .05
(Exp 2-13-13)

#M11340 02/16/13 I5F SPLP Extraction Fluid #1: Into a 20L carboy, add D.I. H2O to mark and adjust pH to 4.20 ± 0.05 with M10857.
Exp: 08/16/13

#M11341 02/16/13 I5F TCLP Extraction Fluid #1: Fill a 20L carboy with 19L D.I. H2O. Add 114ml Glacial Acetic Acid (AB.534) and 128.6ml 10N NaOH (#M10910). Dilute to 20L with D.I. H2O and mix.
Exp: 02/16/14 pH = 4.93 ± 0.05

#M11342 2-18-13 Custom Assurance Std. Xspike-1-250. Spex Certiprep lot# 18-157CR.

#M11343 2-18-13 Sulfur 10,000mg/L Spex Certiprep Lot# A614-177SU

#M11344 02/18/13 I5F 10N NaOH: Into a 1L flask add 400g NaOH (#M11145) and bring up to volume with D.I. H2O.
Exp: 08/18/13

#M11345 02/19/13 I5F Hg Working Stds: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
- 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
- 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
- 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
- 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
- 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11346 02/19/13 I5F Hg Alt Source Working Std: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
- 1.0ml of 10mg/L Into 100ml = 100ug/L Hg

#M11347 02/19/13 I5F Hg ICV / LCSW (0.2% HNO3, HCl)
- 3.0ml of 100ug/L Hg (#M11346) into 100ml = 3.0ug/L Hg

#M11348 02/19/13 I5F Hg CCV (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11321 01/29/13 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11320) into 100ml = 3.0ug/L Hg
#M11322 01/29/13 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11323 01/29/13 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11320) into 100ml = 0.2ug/L Hg
#M11324 01/29/13 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11325 01/29/13 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11045) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11326 01/30/13 SF TCLP Extraction Fluid #1: Fill a 20L carboy w/ 11.9L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB:534) and 128.6mL 1ON NaOH (#M10910). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05

Exp: 01/30/14

#M11327 #M11328 02/05/13 SF 02/05/13 SF 02/05/13 SF 1N HCL for TCLP: Into a 1L Vol. flask, partially filled with Milli-Q H_2O, add 83mL of Conc. HCl (AB:560) and bring up to volume with Milli-Q H_2O.

Exp: 02/05/14

#M11328 02/06/13 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11329 02/06/13 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11330 02/06/13 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11329) into 100ml = 3.0ug/L Hg
#M11331 02/06/13 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11332 02/06/13 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11329) into 100ml = 0.2ug/L Hg
#M11333 02/06/13 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11334 02/06/13 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11045) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11335 02/07/13 SF NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9549) and 60g hydroxylamine Sulfate (#M10139 M11043 04/13 SF) in 500mL Milli-Q H_2O.

Exp: 08/07/13

#M11308 01/17/13SF TCLP Extraction Fluid #1: Fill a 20L carboy w/19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB:534) and 128.6mL 10N NaOH (#M11296). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05

Exp: 01/17/14

#M11309 01/21/13SF TCLP Extraction Fluid #1: Fill a 20L carboy w/19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB:534) and 128.6mL 10N NaOH (#M11296). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05

Exp: 01/21/14

#M11310 1-22-13 Custom Assurance Standard Spex CertiPrep Lot 18-068CR exp 1/14

N

#M11311 01/22/13 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11312 01/22/13 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11313 01/22/13 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11312) into 100ml = 3.0ug/L Hg
#M11314 01/22/13 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11315 01/22/13 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11312) into 100ml = 0.2ug/L Hg
#M11316 01/22/13 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11317 01/22/13 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11318 01/23/13SF Potassium permanganate soln: 50g Potassium permanganate (#M9908) dissolve into 1,000ml of D.I. H_2O.

Exp: ~~01/23/13SF~~ 07/23/13

#M11319 01/29/13 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11320 01/29/13 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg

114mL

H_2O

2/1/13

#M11305 01/15/13 SF

MDL Spiking soln all 50X into 1 liter vol flask pipet the following:

Bring up to volume with D.I. H_2O. Use 1mL into 50mls or 10mls into 500.

3050 MDL Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	MDL (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag	5	M11170	1000	0.25
Al	10	M10870	10000	0.05
As	20	M11173	1000	1
Ba	2	M11052	1000	0.1
Be	0.5	M11239	1000	0.025
Ca	50	M10898	10000	0.25
Cd	0.5	M11242	1000	0.025
Co	2.5	M10561	1000	0.125
Cr	5	M11053	10000	0.025
Cu	10	M11051	10000	0.05
Fe	20	M11228	10000	0.1
Mg	25	M10868	10000	0.125
Mn	5	M11054	10000	0.025
Mo	2.5	M10560	1000	0.125
Ni	5	M10565	1000	0.25
Pb	10	M10839	10000	0.05
Sb	20	M11172	1000	1
Se	20	M11171	1000	1
Tl	20	M10566	1000	1
V	5	M11241	1000	0.25
Zn	5	M11240	10000	0.025

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

EXPIRES 04/02/13

#M11306 01/15/13 SF

MDL Spiking Soln B, Si into 1L Vol flask pipet the following:

Bring up to volume with D.I. H_2O. Use 1mL into 5mls or 10mL into 500mls.

3050 MDL Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	MDL (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
B	20	M11205	1000	1
Si	100	M10860	1000	5

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

EXPIRES 04/02/13

#M11307 01/16/13 SF TCLP Extraction Fluid #1: 01/16/13 SF Into a 20L carboy w/ 11.9L D.I. H_2O. Add 11.4mL Glacial Acetic Acid (AB534) and 128.6mL 1N NaOH (#M11796). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05

Exp: 01/16/14

#M11292 01/07/13 CF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11293 01/07/13 CF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11290) into 100ml = 0.2ug/L Hg
#M11294 01/07/13 CF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11295 01/07/13 CF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11015) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11296 01/08/13 CF 10N NaOH: Into a 1L flask add 400g NaOH (#M10570) and bring up to Exp: 01/08/14 Volume with D.I. H_2O.

#M11297 01/10/13 CF Potassium persulfate: 50g potassium persulfate (#M10573) dissolve into 400mL Exp: 07/10/13 D.I. H_2O.

#M11298 01/11/13 CF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11299 01/11/13 CF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11300 01/11/13 CF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11299) into 100ml = 3.0ug/L Hg
#M11301 01/11/13 CF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11302 01/11/13 CF 01/14/13 CF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11299) into 100ml = 0.2ug/L Hg
#M11303 01/11/13 CF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11304 01/11/13 CF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11015) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

2/24/13

#M11284 A
5% HCL 1-4-13
5% HNO3

3050 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Al	14.4	M10567	1000	0.72
Sn	20	M10562	1000	1
Sr	3.2	M10569	1000	0.16
Tl	9.6	M10709	1000	0.48
W	24	M10559	1000	1.2

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 4/13

#M11285 01/04/13 I5F ~~Shammas Chloride (Macron) - Lot. No.~~

#M11285 Potassium Permanganate (Fisher) - Lot. No. 123302
01/04/13 I5F

#M11286 01/07/13 I5F NaCl Hydroxylamine ~~Sulfate~~ Sulfate 01/07/13 I5F Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine sulfate (#M1026)
Exp 07/07/13 in 500mL Milli-Q H2O.

ICAP Working Standards Boron & Silicon

#M11287 2
1-7-13

Standard name — Into 1 liter Pipet the following respectively:

50	0.5 mls of #M11203 and .05mls #M10860 = 50 ug/L
100	1 mls of #M11203 and 0.1mls #M10860 = 100 ug/L
1000	10 mls of #M11203 and 1.0mls #M10860 = 1000 ug/L
2000	20 mls of #M11203 and 2.0mls #M10860 = 1000 ug/L
10000	100 mls of #M11203 and 10mls #M10860 = 10000 ug/L

ex 12-13

#M11288 2
1-7-13

Initial Calibration Standard (ICV) B, Si
Into 1 liter vol flsk pipet 1 ml of #M11205 & M10564
bring up to mark with DI H2O ex 4/13

#M11289 01/07/13 I5F

Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11290 01/07/13 I5F

Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11291 01/07/13 I5F

Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M11290) into 100ml = 3.0ug/L Hg

#M11280 1-4-13
5% HCl 5% HNO3

3050 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
K	2640	M11243	10000	13.2
Na	960	M10570	10000	4.8

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 4/13

#M11281 1-4-13
5% HCl, 5% HNO3

3050 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
B	52	M11205	1000	2.6
Si	192	M10564	1000	9.6

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 4/13

#M11282 1-4-13
5% HCl, 5% HNO3

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
B	10	M11205	1000	0.8
Si	200	M10564	1000	10

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 13-Apr

#M11283 1-4-13
5% HCl
5% HNO3

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Li	10	M10567	1000	0.5
Sn	10	M10562	1000	0.5
Sr	2	M10569	1000	0.1
Tl	8	M10709	1000	0.4
W	36	M10559	1000	1.8

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 13-Apr

2-4-13

#M11278 1-4-13
5% HCL 5% HNO3
JH

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag	4	M11170	1000	0.2
Al	38	M11228	10000	0.18
As	24	M11173	1000	1.2
Ba	1.8	M11052	1000	0.09
Be	0.6	M11239	1000	0.03
Ca	100	M11227	10000	0.5
Cd	2	M11242	1000	0.1
Co	4	M10561	1000	0.2
Cr	4	M11053	10000	0.02
Cu	7	M11051	10000	0.035
Fe	100	M11228	10000	0.5
Mg	40	M11228	10000	0.2
Mn	4	M11054	10000	0.02
Mo	7	M10560	1000	0.35
Ni	6	M10565	1000	0.3
Pb	4	M10869	10000	0.02
Sb	12	M11172	1000	0.6
Se	13	M11171	1000	0.65
Tl	15	M10566	1000	0.75
V	5	M11241	1000	0.25
Zn	10	M11240	10000	0.05

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 13-Apr

#M11279 1-4-13 JH
5% HCL, 5% HNO3

3050 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag	4	M11170	1000	0.2
Al	9.6	M11226	10000	0.048
As	32	M11173	1000	1.6
Ba	2	M11052	1000	0.1
Be	1.6	M11239	1000	0.08
Ca	56	M11227	10000	0.28
Cd	1.6	M11242	1000	0.08
Co	9.6	M10561	1000	0.48
Cr	5.6	M11053	10000	0.028
Cu	16	M11051	10000	0.08
Fe	72	M11228	10000	0.36
Mg	32	M11228	10000	0.16
Mn	6	M11054	10000	0.03
Mo	9.6	M10560	1000	0.48
Ni	4.8	M10565	1000	0.24
Pb	10	M10869	10000	0.05
Sb	32	M11172	1000	1.6
Se	16	M11171	1000	0.8
Tl	19	M10566	1000	0.95
V	3.2	M11241	1000	0.16
Zn	12	M11240	10000	0.06

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 4/13

#M11268 ✍
1-2-13
ICV Na, K
5% HCL 5% HNO3
dissolved

Initial Calibration Standard (ICV) Into 500 ml volumetric pipette 5 mls of #M10570 and #M11243 and bring up to mark with DI H2O. expires april 2013.

#M11269 01/03/13 LSF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11270 01/03/13 LSF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9083) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11271 01/03/13 LSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11270) into 100ml = 3.0ug/L Hg
#M11272 01/03/13 LSF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11273 01/03/13 LSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11270) into 100ml = 0.2ug/L Hg
#M11274 01/06/13 LSF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11275 01/08/13 LSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11015) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11276 01/03/13 LSF TCLP Extraction Fluid #1: 01/03/13 LSF Fill a 20L carboy w/ 19L D.I. H2O. ~~Into a 20L carboy add D.I. H2O.~~ Add 114mL Glacial Acetic Acid CAB:534) and 128.6mL 10N NaOH (#M10910). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05

Exp: 01/03/14

#M11277 1-4-13 ✍
5% HCL, 5% HNO3

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
K	500	M11243	10000	2.5
Na	600	M10570	10000	3

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 13-Apr

1-2-13

#M11263 12/27/12 15F — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11264 12/27/12 13F — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11065) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11265 12/28/12 13F Potassium Permanganate Soln: 50g potassium permanganate (#M9703) dissolved into 1,000mL of D.I. H2O.
Exp: 06/28/13

#M11266 12-13
2%
5% HNO3
5% HCl

MRL Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	MRL (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag	20	M11170	1000	1
Al	400	M11228	10000	2
Ba	10	M11052	1000	0.5
Be	4	M11239	1000	0.2
Cd	5	M11242	1000	0.25
Co	10	M10561	1000	0.5
Cr	10	M11053	10000	0.05
Cu	10	M11051	10000	0.05
Mg	500	M11228	10000	2.5
Mn	10	M11054	10000	0.05
Mo	10	M10560	1000	0.5
Ni	10	M10585	1000	0.5
Pb	10	M10839	10000	0.05
Sb	20	M11172	1000	1
V	10	M11241	1000	0.5
Zn	10	M11240	10000	0.05
K	5000	M11243	10000	25
Na	1000	M10570	10000	5
As	20	M11173	1000	1
Ca	500	M11227	10000	2.5
Fe	300	M11228	10000	1.5
Se	20	M11171	1000	1
Tl	20	M10566	1000	1
Si	100	M10564	1000	5
B	20	M11205	1000	1
Li	20	M10567	1000	1
W	50	M10559	1000	2.5
Ti	10	M10709	1000	0.5
Sr	10	M10569	1000	0.5
Sn	50	M10562	1000	2.5
S	100	M10773	1000	5

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard. EX 4-13

#M11267 1-2-13 NAK working std

Working Standards for Sodium and Potassium; into seven, 200 ml volumetric flasks pipette from #M11245 and #M11244.

For the 0.5 mg/L std– 0.1 mls of each
1.0 mg/L std – 0.2 mls of each
5.0 mg/L std – 1.0 mls of each
10.0 mg/L std – 2.0 mls of each
50.0 mg/L std - 10.0 mls of each
100 mg/L std -20.0 mls each also used for Continuing Calibration Standard (CCV)
200 mg/L std -40.0 mls of each
Bring up to mark with DI H2O. Expires June 5 2014.

12/13/12 LSF

#M11249 12/13/12 LSF — Hg Working Stds: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
- 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
- 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
- 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
- 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
- 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11250 12/13/12 LSF — Hg Alt Source Working Std: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
- 1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11251 12/13/12 LSF — Hg ICV / LCSW (0.2% HNO3, HCl)
- 3.0ml of 100ug/L Hg (#M11250) into 100ml = 3.0ug/L Hg

#M11252 12/13/12 LSF — Hg CCV (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11253 12/13/12 LSF — Hg MRL: (0.2% HNO3, HCl)
- 0.2ml of 100ug/L Hg (#M11250) into 100ml = 0.2ug/L Hg

#M11254 12/13/12 LSF — Hg Aqua Regia Reagent:
- "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11255 12/13/12 LSF — Stannous Chloride Reagent:
- Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M10175) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11256 12/14/12 LSF NaCl Hydroxylamine sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine sulfate (#M10210) in 500ml Milli-Q H2O.

Exp: 06/14/13

#M11257 12/17/12 LSF TCLP Extraction Fluid #1: Fill a 20L carboy w/ 11.92L D.I. H2O. Add 114mL Glacial Acetic Acid (AB:534) and 128.6mL 10N NaOH (#M10910). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05.

Exp: 12/17/13

#M11258 12/27/12 LSF — Hg Working Stds: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
- 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
- 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
- 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
- 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
- 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11259 12/27/12 LSF — Hg Alt Source Working Std: (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
- 1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11260 12/27/12 LSF — Hg ICV / LCSW (0.2% HNO3, HCl)
- 3.0ml of 100ug/L Hg (#M11259) into 100ml = 3.0ug/L Hg

#M11261 12/27/12 LSF — Hg CCV (0.2% HNO3, HCl)
- 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
- 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
- 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11262 12/27/12 LSF — Hg MRL: (0.2% HNO3, HCl)
- 0.2ml of 100ug/L Hg (#M11259) into 100ml = 0.2ug/L Hg

#M11241 12-10-12 ZA V 1000 mg/L CPI Lot # 12F1116 ex 6/14.

#M11242 12-10-12 ZA ca 1000 mg/L CPI Lot # 126063 ex 6/14.

#M11243 12-10-12 ZA K ~~10000~~ 1000 mg/L CPI Lot # 12C112 ex 6/14.

#M11244 12-10-12 ZA K 1000 mg/L CPI Lot # 11G006 ex 6/14.

#M11245 12-10-12 ZA Na 10,000 mg/L CPI Lot # 12C263 ex 6/14.

#M11246 ZA 12-10-12 100,000 ug/L cal std Remade with ZA 1000 mg/L std #12-10-12

ICAP Working Standards

5% HNO3 . 5%HCL

Standard name	Pipet the following respectively:
0.25	0.25 mls of standard 100 ug/L into 1000 ml volumetric flask = 0.25 ug/L std
0.5	0.50 mls of standard 100 ug/L into 1000ml volumentric flask= 0.50 ug/L std
1	1.0 mls of standard 100ug/L into 1000 ml volumentrc flask =1.00 ug/L std
5	5.0 mls of standard 100ug/L into 1000 ml volumentrc flask =5.00 ug/L std
10	10.0 mls of standard 100ug/L into 1000 ml volumentrc flask =10.0 ug/L std
20	20.0 mls of standard 100ug/L into 1000 ml volumentrc flask =20.0 ug/L std
50	50.0 mls of standard 100ug/L into 1000 ml volumentrc flask =50.0 ug/L std
100	1.0 mls of #M11031(ex 8/13) and 1.0 mls of #M11085 (ex 09/13) into 1000 ml volumectric flask= 100 ug/L std
1000	10.0 mls of #M11031(ex 8/13) and #M11085 (ex 9/13) and 1 mL of #M10860 Si into 1000 ml volumetric flask= 1000 ug/L std
10,000	100 mls #M11031 (ex 8/13),100 mls #M11085 (ex 9/13),
100k	10 mls of #M11051 Cu (ex 2/14) , 10 mls of #M11054 Mn (ex 2/14) , 10 mls of #M11053 Cr (ex 2/14), 10 mls #M10839 Pb (ex 10/13) 10 mls zn #M11240(ex 8-14 = 100,000 ug/L
100,000	10 mls of #M10899 Mg (ex 06/13) , 10 mls of #M10896 Fe (ex 11/13) ,10 mls of #M10898 Ca (ex 11/13),10 mls #M10897 AL (ex 11/13) , into 1000 ml vol flask = 100,000 ug/l std
500,000	50 mls of #M10899 Mg (ex 11/13) , 50 mls of #M10896 Fe (ex 11/13) ,50 mls of #M10898 Ca (ex 11/13), 50 mls #M10897 AL (ex 2/13) into 1000 ml vol flask = 500,000 ug/l std
1000k	100 mls of #M10899 Mg (ex 06/13) , 100 mls of #M10896 Fe (ex 11/13) ,100 mls of #M10898 Ca (ex 11/13),100 mls #M10897 AL (ex 11/13) into 1000 ml vol flask = 1,000,000 ug/l std Bring the 1000 ml volumetric up to mark with DI H2O

ex 8-13

#M11247 12-10-12 ZA

ICAP Working Standards Boron & Silicon

Standard name	Into 1 liter Pipet the following respectively:
10	0.1 mls of #M11031 and .01mls #M10860 = 10 ug/L
50	0.5 mls of #M11031 and .05mls #M10860 = 50 ug/L
100	1 mls of #M11031 and 0.1mls #M10860 = 100 ug/L
1000	10 mls of #M11031 and 1.0mls #M10860 = 1000 ug/L
10000	100 mls of #M11031 and 10mls #M10860 = 10000 ug/L

ex 8-13

#M11248 ZA 12-10-12 ZA

Initial Calibration Standard (ICV) B, Si

Into 1 liter vol fisk pipet 1 ml of #M11205 & M10564

bring up to mark with DI H2O ex 4/13

*M11247

Continuing Calibration Standard (CCV)

Into 1 liter vol flask pipet 10 mls of #M11205 and 1.0mls #M10860 = 1000 ug/L

bring up to mark with DI H20 ex 8-13

#M11224 12-3-12 Ames tumb std. Lot # C254646 ex 11/13

#M11225 12-3-12 Interferents A std 5 pk Custom prep lot # 6-126 YP ex 11/13

#M11226 12-3-12 Al metal 10,000 ug/ml CPI Lot 12E211 AL190-1 ex 5/14.

#M11227 12-3-12 Ca 10,000 ug/ml CPI Lot # 12J240 ex 5/14

#M11228 12-3-12 Fe 10,000 ug/ml CPI Lot # 12J195 ex 5/14

#M11229 12-3-12 Mg 10,000 ug/ml CPI Lot # 12F144 ex 5/14.

#M11230 12/03/12 5F TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H2O. Add 114mL Glacial Acetic Acid (AB534), and 128.6mL 10N NaOH (#M10910). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05

Exp: 12/03/13

#M11231 12/05/12 5F Potassium permanganate Soln: 50g Potassium permanganate (#M9903) dissolve into 1,000 mL of D.I. H2O.

Exp: 06/05/13

#M11232 12/05/12 5F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11233 12/05/12 5F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11234 12/05/12 5F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11233) into 100ml = 3.0ug/L Hg
#M11235 12/05/12 5F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11236 12/05/12 5F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11233) into 100ml = 0.2ug/L Hg
#M11237 12/05/12 5F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11238 12/05/12 5F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M10657) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11239 12-10-12 Be 1000 mg/L CPI Lot 12K091. ex 6/14.

#M11240 12-10-12 Zn 10,000 mg/L CPI Lot 12F097 ex 6/14.

2443

#M11212 11/21/12SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11209) into 100ml = 0.2ug/L Hg
#M11213 11/21/12SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11214 11/21/12SF	Stannous Chloride Reagent:	into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11045) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11215 11/21/12 Nickel Nitrate Matrix Modifier (10,000 µg/mL) LOT # 24-196450H, Alfa Aesar
AM4 Exp. 11-2013

#M11216 11/28/12SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg into 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11217 11/28/12SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11218 11/28/12SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11217) into 100ml = 3.0ug/L Hg
#M11219 11/28/12SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11220 11/28/12SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11217) into 100ml = 0.2ug/L Hg
#M11221 11/28/12SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11222 11/28/12SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11045 in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11223 12-3-12 ICP Working Stds.

Pipet the following respectively:

0.25	0.25 mls of standard 100 ug/L into 1000 ml volumetric flask = 0.25 ug/L std
0.5	0.50 mls of standard 100 ug/L into 1000ml volumentric flask= 0.50 ug/L std
1	1.0 mls of standard 100ug/L into 1000 ml volumentrc flask =1.00 ug/L std
5	5.0 mls of standard 100ug/L into 1000 ml volumentrc flask =5.00 ug/L std
10	10.0 mls of standard 100ug/L into 1000 ml volumentrc flask =10.0 ug/L std
20	20.0 mls of standard 100ug/L into 1000 ml volumentrc flask =20.0 ug/L std
50	50.0 mls of standard 100ug/L into 1000 ml volumentrc flask =50.0 ug/L std
100	1.0 mls of #M11031(ex 8/13) and 1.0 mls of #M11085 (ex 09/13) into 1000 ml volumectric flask= 100 ug/L std
1000	10.0 mls of #M11031(ex 8/13) and #M11085 (ex 9/13) and 1 mL of #M10860 SI into 1000 ml volumetric flask= 1000 ug/L std
10,000	100 mls #M11031 (ex 8/13),100 mls #M11085 (ex 9/13),
100k	10 mls of #M11051 Cu (ex 2/14) , 10 mls of #M11054 Mn (ex 2/14) , 10 mls of #M11053 Cr (ex 2/14), 10 mls #M10839 Pb (ex 10/13) = 100,000 ug/L
100,000	10 mls of #M10899 Mg (ex 06/13) , 10 mls of #M10896 Fe (ex 11/13) ,10 mls of #M10898 Ca (ex 11/13),10 mls #M10897 AL (ex 11/13) , into 1000 ml vol flask = 100,000 ug/l std
500,000	50 mls of #M10899 Mg (ex 11/13) , 50 mls of #M10896 Fe (ex 11/13) ,50 mls of #M10898 Ca (ex 11/13), 50 mls #M10897 AL (ex 2/13) into 1000 ml vol flask = 500,000 ug/l std
1000k	100 mls of #M10899 Mg (ex 06/13) , 100 mls of #M10896 Fe (ex 11/13) ,100 mls of #M10898 Ca (ex 11/13),100 mls #M10897 AL (ex 11/13) into 1000 ml vol flask = 1,000,000 ug/l std
	Bring the 1000 ml volumetric up to mark with DI H2O

12-3-12

#M11194 11/13/12 SF — Hg CCV (0.2% HNO3, HCl): 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg; 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg; 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11198 11/13/12 SF — Hg MRL: (0.2% HNO3, HCl): 0.2ml of 100ug/L Hg (#M 11195) into 100ml = 0.2ug/L Hg

#M11199 11/13/12 SF — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11200 11/13/12 SF — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11201 11/13/12 SF NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9594) and 60g hydroxylamine sulfate (#M10210) in 500ml Milli-Q H2O.
Exp: 05/13/13

#M11202 11/16/12 SF Potassium permanganate Stn: 50g potassium permanganate (#M9903) dissolve into 1000mL of D.I. H2O.
Exp: 05/16/13

#M11203 11-19-12 JA — Custom Assurance Std. Spex Certiprep Lot# 16-236CR. ex 11/13 X-CTWI-5-500

#M11204 11-19-12 JA — Custom Assurance Std. Spex Certiprep Lot 16-237CR - ex 11/13 XSpike-1-250

#M11205 11-19-12 — Boron 1000mg/L CPI Lot# B6092

#M11206 11-19-12 — Y 10,000 mg/L Env. Exp. Lot# 1208040 ex 5/2014

#M11207 11/20/12 SF — TCLP Extraction Fluid #1: Fill a 20L carboy w/ 19L D.I. H2O. Add 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 1.0N NaOH (#M10910). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05
Exp: 11/20/13

#M11208 11/21/12 SF — Hg Working Stds: (0.2% HNO3, HCl): 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg; 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg; 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg; 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg; 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg; 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg; 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg; 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11209 11/21/12 SF — Hg Alt Source Working Std: (0.2% HNO3, HCl): 1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg; 1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11210 11/21/12 SF — Hg ICV / LCSW (0.2% HNO3, HCl): 3.0ml of 100ug/L Hg (#M 11209) into 100ml = 3.0ug/L Hg

#M11211 11/21/12 SF — Hg CCV (0.2% HNO3, HCl): 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg; 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg; 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11183 11-9-12 ZA Env. Express ~ 10,000 mg/L ex May 6 2014
Lot# 1208040

#M11184 11-09-12 AMA Magnesium Nitrate Matrix Modifier solution (10,000 mg/L Mg)
Environmental Express Lot No. 1214232, Expires 11-06-13

#M11185 11/08/12SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11186 11/08/12SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11187 11/08/12SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11186) into 100ml = 3.0ug/L Hg
#M11188 11/08/12SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11189 11/08/12SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11186) into 100ml = 0.2ug/L Hg
#M11190 11/08/12SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11191 11/08/12SF	Stannous Chloride Reagent:	into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11192 ZA 11-12-12 ICSA 5% HNO3 5% HCl Into 500ml vol pipet 50mls #M10868 & 15 mls #M10896 Bring up to mark w/ DI H2O. ex- 4/13.

#M11193 ZA 5% HNO3, 5% HCl ICSAB Na, K into 500ml vol pipet 50mls #M10868 & #M10896 5mls #M10887 & 5mls #M10570 Bring up to mark w/ DI H2O ex 1/13.

#M11194 11/13/12SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11195 11/13/12SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11196 11/13/12SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11195) into 100ml = 3.0ug/L Hg

#M11197 11/13/12SF
#M11198 11/13/12SF
#M11199 11/13/12SF
#M11200 11/13/12SF
#M11201 11/13/12SF
Exp'd
#M11202 11/16/12SF
#M11203 11-19 ZA
#M11204 11- ZA
#M11205 11-1
#M11206 11-1

#M11169 11/01/13F TCLP Extraction Fluid #1: Fill a 20L Carboy w/19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 10N NaOH (#M11136). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05
Exp: 11/01/13

#M11170 11/02/12 Ag 1000µg/mL CPI LOT NO. 11E160 EXP. 04/24/2014
AMA

#M11171 11/02/12 Se 1000µg/mL CPI LOT NO. 123054 EXP. 04/24/2014
AMA

#M11172 11/02/12 Sb 1000µg/mL CPI LOT NO. 12E115 EXP. 04/24/2014
AMA

#M11173 11/02/12 As 1000µg/mL CPI LOT NO. 121084 EXP. 04/24/2014
AMA

#M11174 11/06/13F to 11/06/17F	Hg Working Stds: (0.2% HNO_3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11175 11/06/17F	Hg Alt Source Working Std: (0.2% HNO_3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11176 11/06/17F	Hg ICV / LCSW (0.2% HNO_3, HCl)	3.0ml of 100ug/L Hg (#M11175) into 100ml = 3.0ug/L Hg
#M11177 11/06/17F	Hg CCV (0.2% HNO_3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11178 11/06/17F	Hg MRL: (0.2% HNO_3, HCl)	0.2ml of 100ug/L Hg (#M11175) into 100ml = 0.2ug/L Hg
#M11179 11/06/17F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO_3 (AB: 554)
#M11180 11/06/17F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11181 11/07/17F Potassium permanganate Soln: 50g potassium permanganate (#M9903) dissolve into 1,000mL of D.I. H_2O.
Exp: 05/07/13

#M11182 11/07/17F Potassium persulfate: 50g potassium persulfate (#M10573) dissolve into 1000mL D.I. H_2O.
Exp: 05/07/13

INO3 (AB: 554)

Chloride (#M11075) in

0. Add 114mL
and 128.6mL
L with D.I. H_2O

. H_2O to mark
5 with M10857.

IO3 (AB: 554)

hloride (#M 11075 in

(#M 9574)
e Sulfate (#M10210)
20.

#M11156 10/24/12 JSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11155) into 100ml = 3.0ug/L Hg
#M11157 10/24/12 JSF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11156 10/24/12 JSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11155) into 100ml = 0.2ug/L Hg
#M11157 10/24/12 JSF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11158 10/24/12 JSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 1075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Watar.

#M11158 10/25/12 JSF 10/25/12 JSF TCLP Extraction Fluid #1: Fill a 20L carboy w/ 8L D.I. H2O. Add 114mL Glacial Acetic Acid (AB.534) and 128.6mL 6N NaOH (#M10910). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05

Exp: 10/25/13

#M11160 10/25/12 JSF SPLP Extraction Fluid #1: Into a 20L carboy add D.I. H2O to mark and adjust pH to 4.20 ± 0.05 with M1057.

Exp: 04/25/13

#M11161 10/31/12 JSF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml = 5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11162 10/31/12 JSF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11163 10/31/12 JSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11162) into 100ml = 3.0ug/L Hg
#M11164 10/31/12 JSF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11165 10/31/12 JSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11162) into 100ml = 0.2ug/L Hg
#M11166 10/31/12 JSF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11167 10/31/12 JSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 1165) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11168 10/31/12 JSF NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine Sulfate (#M6710) in 500mL Milli-Q H2O.

Exp: 04/31/13

#M11169 11/02/12 JS

#M11170 11/02/12 AA AMA

#M11171 11/02/12 SC AMA

#M11172 11/02/12 SD AMA

#M11173 11/02/12 AS AMA

#M11174 11/06/12 JSF 11/06/12 JSF

#M11175 11/06/12 JSF

#M11176 11/06/12 JSF

#M11177 11/06/12 JSF

#M11178 11/06/12 JSF

#M11179 11/06/12 JSF

#M11180 11/06/12 JSF

#M11181 11/07/12 JSF

Exp: 0

#M11182 11/07/12 JSF

Exp: 0

#M11144 10/18/12 SF NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine sulfate (#M10210) in 500mL Milli-Q H_2O.
Exp: 04/18/13

#M11145 10/19/12 SF Sodium Hydroxide - Fisher Scientific lot#122989 3kg

#M11146 10/23/12 AMA GFAA Base Std. (25µg/L) - Pipet 25mL of #M10818 into a 1L vol. flask and bring (1% HNO_3) up to volume with Milli-Q H_2O. Exp. 04/01/13

#M11147 10/23/12 AMA GFAA Alt. Source Std. (10µg/L) - Pipet 50mL of #M10819 into a 1L vol. flask and (1% HNO_3) bring up to volume with Milli-Q H_2O. Exp. 04/01/13

#M11148 10/23/12 AMA GFAA CCV Std. (10µg/L) - Pipet 10mL of #M10818 into a 1L vol flask and bring (1% HNO_3) up to volume with Milli-Q H_2O. Exp. 04/01/13

#M11149 10/23/12 AMA GFAA Stability check working standard - Into a 250mL vol. flask, pipet the (1% HNO_3) following and bring up to volume with 1% D.I. H_2O. Exp. 11/25/12

0.6mL of 1000mg/L As (#M10281)
0.04mL of 10,000mg/L Pb (#M10839)
1.7mL of 1000mg/L Se (#M10277)
0.9mL of 1000mg/L Sb (#M10280)
0.4mL of 1000mg/L Tl (#M10506)
0.07mL of 1000mg/L Ag (#M10310)

#M11150 10/23/12 AMA GFAA Stability check standard - Pipet 5mL of #M11149 into a 1L vol. flask and bring (1% HNO_3) up to volume with D.I. H_2O. Exp. 11/25/12

#M11151 10/23/12 AMA Pd/Mg Modifier - Into a 50mL vol. flask, pipet 15mL #M10726 and 5mL #M10551. Bring up to volume with Milli-Q H_2O. Exp. 10/30/12

#M11152 10/23/12 AMA $NiNO_3$ Modifier - Into a 100mL vol. flask, pipet 20mL $NiNO_3$ (#M9853) and bring up to volume with Milli-Q H_2O.

#M11153 10/24/12 SF Potassium permanganate Soln: 50g potassium permanganate (#M9803) dissolve into 1000mL of D.I. H_2O.
Exp: 04/24/13

#M11154 10/24/12 SF

Hg Working Stds: (0.2% HNO_3, HCl)
1.0mL of 1000mg/L Hg (#M10563) into 100mL=10mg/L Hg
1.0mL of 10mg/L Hg into 100mL = 100ug/L Hg
0.5mL of 100ug/L Hg into 100mL = 0.5ug/L Hg
1.0mL of 100ug/L Hg into 100mL = 1.0ug/L Hg
2.0mL of 100ug/L Hg into 100mL = 2.0ug/L Hg
4.0mL of 100ug/L Hg into 100mL = 4.0ug/L Hg
5.0mL of 100ug/L Hg ino 100mL =5.0ug/L Hg
10.0mL of 100ug/L Hg into 100mL = 10.0ug/L Hg

#M11155 10/24/12 SF

Hg Alt Source Working Std: (0.2% HNO_3, HCl)
1.0mL of 1000mg/L Hg (#M9063) into 100mL = 10mg/L Hg
1.0mL of 10mg/L into 100mL = 100ug/L Hg

#M11129 10/10/12 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11128) into 100ml = 3.0ug/L Hg
#M11130 10/10/12 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11131 10/10/12 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11128) into 100ml = 0.2ug/L Hg
#M11132 10/10/12 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11133 10/10/12 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11134 10/10/12 SF Potassium permanganate Soln: 50g Potassium permanganate (#M9903) dissolve into 1,000ml of D.I. H_2O.
Exp: 04/10/13

#M11135 10/15/12 SF TCLP Extraction Fluid #1: Fill a 20L Carboy w/ 11.9L D.I. H_2O. Add 11.4ml Glacial Acetic Acid (AB.534) and 128.6ml 10N NaOH (#M10910). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05
Exp: 10/15/13

#M11136 10/17/12 SF 10N NaOH: Into a 1L vol. flask add 400g NaOH (#M10571) and bring up to volume with DI H_2O.
Exp: 10/17/13

#M11137 10/18/12 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11138 10/18/12 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11139 10/18/12 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11138) into 100ml = 3.0ug/L Hg
#M11140 10/18/12 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11141 10/18/12 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11138) into 100ml = 0.2ug/L Hg
#M11142 10/18/12 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11143 10/19/12 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11075) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11144 10/18/12 SF
Exp
#M11145 10/19/12 SF
#M11146 10/23/12 GFA AMA
#M11147 10/23/12 GFA AMA
#M11148 10/23/12 GFA AMA
#M11149 10/23/12 GFA AMA
#M11150 10/23/12 GFA AMA
#M11151 10/23/12 PA/N AMA
#M11152 10/23/12 NaNO AMA
#M11153 10/24/12 SF PC Exp:
#M11154 10/24/12 SF
#M11155 10/24/12 SF

Page

#M11117 10-2-12 Turbidity working stds into 20mls pipet from #M11115 A (200 NTU)

6el Std =
4.00 NTU — 2.0 mL into 18 mL D.I. H_2O = 20 NTU
48.9 NTU — 10 mL into 10 mL D.I. H_2O = 100 NTU
525 NTU — 20 mL into 0 mL D.I. H_2O = 200 NTU
(Exp Aug 2014).

#M11118 10/02/12 SF — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11119 10/02/12 SF — Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11120 10/02/12 SF — Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 11119) into 100ml = 3.0ug/L Hg

#M11121 10/02/12 SF — Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11122 10/02/12 SF — Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M11119) into 100ml = 0.2ug/L Hg

#M11123 10/02/12 SF — Hg Aqua Regia Reagent:
"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11124 10/04/12 SF — Stannous Chloride Reagent:
Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 11015) in ~70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11125 10/04/12 SF — Potassium persulfate: 50g potassium persulfate (#M10573) dissolve into 1000mL D.I. H_2O.
Exp: 04/04/13

#M11126 10/09/12 SF — TCLP Extraction Fluid #1: Fill a 20L Carboy w/ 19L D.I. H_2O, Add 114mL Glacial Acetic Acid (AB534) and 128.6mL 16N NaOH (#M10910). Dilute to 20L with DI H_2O and mix. pH 4.93 ± 0.05
Exp: 10/09/13

#M11127 10/10/12 SF — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11128 10/10/12 SF — Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M111047 09/24/12 LSF TCLP Extraction Fluid #1: 7 L to a 20 L carboy [illegible] Glacial Acetic Acid (AB: [illegible]) 128.6 mL 10 N NaOH (#M10910). Dilute to 20 L with D.I. H_2O [illegible] pH = 4.93 ± 0.05

Exp: 09/24/13

#M111105 09/25/12 LSF NaCl Hydroxylamine Sulfate Reagent: Dissolve 60 g NaCl (#[illegible]) and 60 g hydroxylamine [illegible] (#M10210) in 500 mL [illegible]

Exp: 03/25/13

#M111106 09/26/12 LSF Potassium Permanganate Soln: 50 g potassium permanganate (#[illegible]) dissolve into 1,000 mL of D.I. H_2O

Exp: 03/26/13

#M111107 09/26/12 LSF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M111108 09/26/12 LSF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M111109 09/26/12 LSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11108) into 100ml = 3.0ug/L Hg
#M111110 09/26/12 LSF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M111111 09/26/12 LSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11108) into 100ml = 0.2ug/L Hg
#M111112 09/26/12 LSF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: [illegible])
#M111113 09/26/12 LSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#[illegible]) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water

#M11114 09/28/12 LSF Stannous Chloride (Macron) ~ Lot NO. 0000017703 Exp 11/2[illegible]

#M111115 9-28-12 Stabl Cal Standard, 200 NTU Lot AZ216 of Aug 2014

#M111116 09/28/12 LSF TCLP Extraction Fluid #1: Into a 20 L carboy [illegible] Acetic Acid (AB: 553) [illegible] (#M10910). Dilute to 20 L with D.I. [illegible] mix. pH = 4.93 ± 0.05

Exp: 09/28/13

#M111093

>b (ex 10/13)

)7 AL (ex 11/13),
,000 ug/l std
97 AL (ex 2/13)

v110897 AL (ex 11/13)

#M11094 09/19/12 (3F) — Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11095 09/19/12 (3F) — Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M11092) into 100ml = 0.2ug/L Hg

#M11096 09/19/12 (5F) — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11097 09/19/12 (5F) — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M10567) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11098 09-21-12 AMA — GFAA LOD/LOQ soil working std: Into a 200mL vol. flask, partially filled with D.I. H_2O, pipet the following and bring up to volume with D.I. H_2O.
(1% HNO_3) Exp. 11-25-12
1.2 mL Sb 1000 mg/L (#M10280) = 6,000 µg/L Sb
3.2 mL As 1000 mg/L (#M10281) = 16,000 µg/L As
3.2 mL Se 1000 mg/L (#M10277) = 16,000 µg/L Se
0.08 mL Pb 10,000 mg/L (#M10839) = 4,000 µg/L Pb
1.0 mL Tl 1000 mg/L (#M10566) = 5,000 µg/L Tl

#M11099 09-21-12 AMA — GFAA LOD/LOQ soil spiking soln: Into a 1L vol. flask, pipet 10mL of #M11098 and bring up to volume with D.I. H_2O.
(1% HNO_3) Exp. 11-25-12

Lo. #M10868 & dc mark with DI

#M11100 09-21-12 AMA — GFAA LOD/LOQ soil Ag working std: Into a 200mL vol. flask, partially filled with D.I. H_2O, pipet the following and bring up to volume with D.I. H_2O.
(1% HNO_3) Exp. 12-8-12
0.12mL Ag 1000 mg/L (#M10310) = 600 µg/L Ag

Glacial Acetic Acid (#M10910) Dilute to # = 4.93 ± 0.05

#M11101 09-21-12 AMA — GFAA LOD/LOQ soil Ag spiking soln: Into a 1L vol. flask, pipet 10mL of #M11100 and bring up to volume with D.I. H_2O.
(1% HNO_3) Exp. 12-8-12

pipet 114 mL of ...H (#M10910). ... = 4.93 ± .05.

#M11102 09-21-12 AMA — GFAA LOD/LOQ water working std: Into a 100mL vol. flask, partially filled with D.I. H_2O, pipet the following and bring up to volume with D.I. H_2O.
(1% HNO_3) Exp. 11-25-12
1.5mL Sb 1000 mg/L (#M10280) = 15,000 µg/L Sb
1.0mL As 1000 mg/L (#M10281) = 10,000 µg/L As
2.0mL Se 1000 mg/L (#M10277) = 20,000 µg/L Se
0.045mL Pb 10,000 mg/L (#M10839) = 4500 µg/L Pb
0.4mL Tl 1000 mg/L (#M10566) = 4000 µg/L Tl
0.1mL Ag 1000 mg/L (#M10310) = 1000 µg/L Ag

#M11103 09-21-12 AMA — GFAA LOD/LOQ water spiking soln: Into a 1L vol. flask, pipet 10mL of #M11102 and bring up to volume with D.I. H_2O.
(1% HNO_3) Exp. 11-25-12

nl=10mg/L Hg
ig
ig
ig
ig
ig
l
- Hg
l = 10mg/L Hg
nl = 3.0ug/L Hg

#M11086 cont...

100k	10 mls of #M11051 Cu (ex 2/14) , 10 mls of #M11054 Mn (ex 2/14) , 10 mls of #M11053 Cr (ex 2/14), 10 mls #M10839 Pb (ex 10/13) 10 mls #M10284 Zn (ex 11/12) = 100,000 ug/L
100,000	10 mls of #M10899 Mg (ex 06/13) , 10 mls of #M10896 Fe (ex 11/13) ,10 mls of #M10898 Ca (ex 11/13),10 mls #M10897 AL (ex 11/13) 10 mls #M10570 Na (ex 4/13),10 mls #m10570 Na (ex 3/13), 10 mls #m10667 K (ex 6/13) into 1000 ml vol flask = 100,000 ug/l std
500,000	50 mls of #M10899 Mg (ex 11/13) , 50 mls of #M10896 Fe (ex 11/13) ,50 mls of #M10898 Ca (ex 11/13), 50 mls #M10897 AL (ex 2/13) into 1000 ml vol flask = 500,000 ug/l std
1000k	100 mls of #M10899 Mg (ex 06/13) , 100 mls of #M10896 Fe (ex 11/13) ,100 mls of #M10898 Ca (ex 11/13),100 mls #M10897 AL (ex into 1000 ml vol flask = 1,000,000 ug/l std Bring the 1000 ml volumetric up to mark with DI H2O

#M11087
9-17-12 ZA
5% HCl
5% HNO3

Continuing Calibration Standard 1(CCV1)

Into a one liter volmetric flask pipet 50mls of # M11031 (ex 8/13) and 5 ml of #M11085 (ex 09/13).
ex.nov 8/13
Bring up to mark with DI H2O

Continuing Calibration Standard 2(CCV2)

Into a one liter volmetric flask pipet 5 mls of # M11031 (ex 8/13) and 0.5 ml of #M11085 (ex 09-13).
ex.nov 8/13
Bring up to mark with DI H2O

#M11088 JCSAB into 500 ml vol flask pipet 50mls #M1108[illegible]
9-17-12 ZA 2.5mls #M11031 & #M11085. Bring up to mark with H_2O ex 4/13.

#M11089 09/17/12 SF TCLP Extraction Fluid #1: Into a 20L carboy pipet 11.4mL Glacial Acetic (AB534) and 128.6mL 10N NaOH (#M10910). Dilute
Exp: 09/17/13 20L with DI H_2O and mix pH = 4.93 ± 0.05

#M11090 9-18-12 ZA TCLP Extraction fluid #1 into 20L carboy pipet 11.4mL Glacial Acetic Acid (AB-534) & 128.6 ml 10N NaOH (#M10910)
ox 9/18/13 Dilute to 20L with DI H_2O and mix pH = 4.93 ± .05

#M11091 09/19/12 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11092 09/19/12 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11093 09/19/12 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M1092) into 100ml = 3.0ug/L Hg

#M11076 09/11/12 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11077 09/11/12 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11078 09/11/12 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11077) into 100ml = 3.0ug/L Hg
#M11079 09/11/12 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11080 09/11/12 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11077) into 100ml = 0.2ug/L Hg
#M11081 09/11/12 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11082 09/11/12 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M11045) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11083 09/11/12 SF NaCl Hydroxylamine sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine sulfate (#M10210) in 500mL Milli-Q H2O.
Exp: 03/11/13

#M11084 09/17/12 SF Potassium Permanganate Soln: 50g Potassium permanganate (#M9903) dissolve into 1,000mL of D.I. H2O.
Exp: 03/17/13

#M11085 9-17-12 Cesium Assurance std Spex Certiprep lot # ~~XE3919-12~~ # 15-182CR ex 9-15-13:

#M11086 9-17-12

ICAP Working Standards

5% HNO3 5%HCL

Standard name	Pipet the following respectively:
0.25	0.25 mls of standard 100 ug/L into 1000 ml volumetric flask = 0.25 ug/L std
0.5	0.50 mls of standard 100 ug/L into 1000ml volumentric flask= 0.50 ug/L std
1	1.0 mls of standard 100ug/L into 1000 ml volumentrc flask =1.00 ug/L std
5	5.0 mls of standard 100ug/L into 1000 ml volumentrc flask =5.00 ug/L std
10	10.0 mls of standard 100ug/L into 1000 ml volumentrc flask =10.0 ug/L std
20	20.0 mls of standard 100ug/L into 1000 ml volumentrc flask =20.0 ug/L std
50	50.0 mls of standard 100ug/L into 1000 ml volumentrc flask =50.0 ug/L std
100	1.0 mls of #M10837(ex 3/13) and 1.0 mls of #M11085 (ex 09/13) into 1000 ml volumectric flask= 100 ug/L std
1000	10.0 mls of #M10837(ex 4/13) and #M11085 (ex 9/13) and 1 mL of #M10564 Si into 1000 ml volumetric flask= 1000 ug/L std
10,000	100 mls #M10837 (ex 4/13),10 mls #M10568 Be (ex 4/13),10 mls #M10278 Cd (ex 11/12)

P

mL Glacial
8.6mL 10MNaOH
D.I. H2O and

6

#M11086 Cont....

#M11071 09/07/12 JSF

5% HNO_3
5% HCl

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Li	10	M10567	1000	0.5
Sn	10	M10562	1000	0.5
Sr	2	M10569	1000	0.1
Ti	8	M10709	1000	0.4
W	36	M10559	1000	1.8

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 04/20/13

#M11072 09/07/12 JSF

5% HNO_3
5% HCl

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
K	500	M10667	10000	2.5
Na	600	M10570	10000	3

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 04/20/13

#M11073 09/07/12 JSF

5% HNO_3
5% HCl

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
B	16	M10735	1000	0.8
Si	200	M10860	1000	10

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 11/25/12

#M11074 09/10/12 JSF TCLP Extraction Fluid #1: Into a 20L carboy pipet [illegible] mL Glacial Acetic Acid (AB5341) and [illegible] mL 50% NaOH (#M10910). Dilute to 20L with [illegible] Verify pH = 4.93 ± 0.05

Exp: 09/10/13

#M11075 09/10/12 JSF Stannous Chloride (JT Baker) – Lot NO. 000000 57796

Exp: 03/29/17

ous Chloride (#M\0485) in
'ater.

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L) to
1 L

eate a
rking

(mL) to
nto 1 L
72
16
48
2

create a
working

#M110670 09/07/12 LSF

5% HNO_3
5% HCl

3050 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
K	2640		10000	13.2
Na	960		10000	4.8

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 04/20/13

#M110668 @ 9-7-12
ICV List 2. Into 1 Liter volumetric flask →
5% HCl pipet 1 ml of #M10709 #M110516, #M105167, #M105162, #M105169
5% HNO_3 Bring up to mark with DI H_2O. = 1000ug/L List 2 ex. April 20, 2013.

#M11069 09/07/12 LSF

5% HNO_3
5% HCL

3050 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
B	52	M10735	1000	2.6
Si	192	M10860	1000	9.6

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 11/25/12

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag	4	M10310	1000	0.2
Al	36	M10630	10000	0.18
As	24	M10781	1000	1.2
Ba	1.8	M11052	1000	0.09
Be	0.6	M10568	1000	0.03
Ca	100	M10669	10000	0.5
Cd	2	M10278	1000	0.1
Co	4	M10561	1000	0.2
Cr	4	M11053	10000	0.02
Cu	7	M11051	10000	0.035
Fe	100	M10896	10000	0.5
Mg	40	M10663	10000	0.2
Mn	4	M11054	10000	0.02
Mo	7	M10560	1000	0.35
Ni	6	M10565	1000	0.3
Pb	4	M10829	10000	0.02
Sb	12	M10230	1000	0.6
Se	13	M10294	1000	0.65
Tl	15	M10566	1000	0.75
V	5	M10567	1000	0.25
Zn	10	M10569	10000	0.05

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 11/25/12

#M11663 09/04/12 LSF

Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11064 09/05/12 $NiNO_3$ Modifier - Into a 100mL vol. Flask, pipet 20mLs $NiNO_3$ (M9853) and bring up to volume with Milli-Q H_2O. AMA

#M11065 09/07/12 LSF 3050 LOQ ✓

5% HNO_3
5% HCl

3050 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into flask
Ag	4	M10310	1000	0.2
Al	9.6	M10678	10000	0.048
As	32	M10781	1000	1.6
Ba	2	M11052	1000	0.1
Be	1.6	M10562	1000	0.08
Ca	56	M10669	10000	0.28
Cd	1.6	M10778	1000	0.08
Co	9.6	M10561	1000	0.48
Cr	5.6	M11053	10000	0.028
Cu	16	M11051	10000	0.08
Fe	72	M10671	10000	0.36
Mg	32	M10668	10000	0.16
Mn	6	M11054	10000	0.03
Mo	9.6	M10560	1000	0.48
Ni	4.8	M10566	1000	0.24
Pb	10	M10839	10000	0.05
Sb	32	M10780	1000	1.6
Se	16	M10847	1000	0.8
Tl	19	M10566	1000	0.95
V	3.2	M10785	1000	0.16
Zn	12	M10681	10000	0.06

Of this Base standard, pipet 10 mls into 500 ml volumetric to create working std or 1 ml into 50 ml digestion tube for a digestion spike standard.

Expires: 11/25/12

M11066 ~~#M~~ 09/04/12 LSF 09/07/12 LSF 3050 LOQ ✓

5% HNO_3
5% HCl

3050 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into flask
Li	14.4	M10567	1000	0.72
Sn	20	M10562	1000	1
Sr	3.2	M10569	1000	0.16
Ti	9.6	M10909	1000	0.48
W	24	M10559	1000	1.2

Of this Base standard, pipet 10 mls into 500 ml volumetric to create working std or 1 ml into 50 ml digestion tube for a digestion spike standard.

Expires: 04/20/13

ertiprep Lot#

#M11047 08/24/12 5F

Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M10972) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

. Hg

#M11048 TCLP Soln #1: Into a 20L carboy pipet 114 mls Glacial Acetic Acid (AB.534) and 128.6 mL 10N NaOH (#M10910). Dilute to 20L with DI H_2O and mix pH = 4.93±.0

8-26-12 D

. Hg

#M11049 08/27/12 5F Potassium persulfate soln: 50g potassium persulfate (#M10573) dissolved into 1,000mL DI. H_2O

Exp: 02/27/13

L Hg

#M11050 08/27/12 5F Potassium permanganate soln: 50g potassium permanganate (#M9903) dissolved into 1,000mL of D.I. H_2O.

Exp: 02/27/13

- Hg

#M11051 08-29-12 CPI Cu 10,000mg/L Lot# 12G118 ex Feb 22, 2014.

D

L Hg

#M11052 08-28-12 CPI Ba, 1000mg/L Lot # 12G245 ex Feb 22, 2014.

D

#M11053 08-28-12 CPI Cr, 10,000 mg/L Lot # 11K059 ex Feb, 22 2014.

D

art HNO3 (AB: 554)

ous Chloride (#M 10985) in

Vater.

#M11054 8-28-12 CPI Mn 10,000mg/L Lot # 11L109 ex Feb 22, 2

D

#M11055 8-30-12 Spex Certiprep Custom Assurance Std Lot # 15-153CW ex Aug 30, 2013.

D

Glacial Acetic

10N NaOH (#M10910).

0 and mix

#M11056 8-30-12 SCP Science Tungsten 1000ug/L ex. 12/13

D

#M11057 09/04/12 5F

Hg Working Stds: (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

to 100ml=10mg/L Hg
)ug/L Hg
5ug/L Hg
)ug/L Hg
)ug/L Hg
)ug/L Hg
ug/L Hg
0.0ug/L Hg

#M11058 09/04/12 5F

Hg Alt Source Working Std: (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

) 100ml = 10mg/L Hg
/L Hg

#M11059 09/04/12 5F

Hg ICV / LCSW (0.2% HNO3, HCl)

3.0ml of 100ug/L Hg (#M 11058) into 100ml = 3.0ug/L Hg

o 100ml = 3.0ug/L Hg

#M11060 09/04/12 5F

Hg CCV (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

to 100ml=10mg/L Hg
)ug/L Hg
)ug/L Hg

#M11061 09/04/12 5F

Hg MRL: (0.2% HNO3, HCl)

0.2ml of 100ug/L Hg (#M 11058) into 100ml = 0.2ug/L Hg

o 100ml = 0.2ug/L Hg

#M11062 09/04/12 5F

Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)

#M11031 @ 8-17-12 Custom Assurance Std Spex
8-12224P - ex Aug 15, 2013

#M11032 08/20/12 5F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11033 08/20/12 5F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11034 08/20/12 5F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11033) into 100ml = 3.0ug/L Hg
#M11035 08/20/12 5F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11036 08/20/12 5F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11033) into 100ml = 0.2ug/L Hg
#M11037 08/20/12 5F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1 part HNO3 (AB:
#M11038 08/20/12 5F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11039 08/23/12 3F (Fisher) Hydroxylamine Sulfate Lot#111618 Exp: 08/23/13

#M11040 08/23/12 5F TCLP extraction fluid #1: Into a 20L carboy pipet 11.4mL Glacial Acetic Acid (AB:534) and 12.8mL 1.0N NaOH. Dilute to 20L with DI H2O. pH=4.93±0.05
Exp: 08/23/13

#M11041 08/24/12 5F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11042 08/24/12 5F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11043 08/24/12 5F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 11042) into 100ml = 3.0ug/L Hg
#M11044 08/24/12 5F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11045 08/24/12 5F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 11042) into 100ml = 0.2ug/L Hg

#M11016 08/06/12 AMA	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11013) into 100ml = 0.2ug/L Hg
#M11017 08/06/12 AMA	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11018 08/06/12 AMA	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M10985) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11019 08/07/12SF TCLP Extraction Fluid #1: Into a 2oL Carboy pipet 11.4mL Glacial Acetic Acid (A3,534) and 128.6mL 10N NaOH (#M10910). Dilute to 20L w/D.I. H_2O and mix. pH = 4.93 ± 0.05
Exp: 08/07/13

#M11020 8-8-12 JH Custom Assurance Std, Spex Certiprep Lot # 8-97HP Exp Aug 2013

#M11021 08/09/12SF Potassium Permanganate Soln: 50g potassium permanganate (#M9703) dissolve into 1,000mL of D.I. H_2O.
Exp: 02/09/13

#M11022 08/09/12 AMA Pd/Mg Modifier - Into a 50mL vol. flask, pipet 15mL #M10726 and 5mL #M10551. Bring up to volume with Milli-Q H_2O. Exp. 10-30-12

#M11023 08/10/12SF NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine sulfate (#M10210) in 500mL Milli-Q H_2O.
Exp: 02/10/13

#M11024 08/13/12SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M11025 08/13/12SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M11026 08/13/12SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M11025) into 100ml = 3.0ug/L Hg
#M11027 08/13/12SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M11028 08/13/12SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M11025) into 100ml = 0.2ug/L Hg
#M11029 08/13/12SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 553) with 1part HNO3 (AB: 554)
#M11030 08/13/12SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M10985) in 70 mL HCl (AB: 553). Bring up to volume with D.I. Water.

#M11002 07/23/12SF — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)

#M11003 07/23/12SF — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M[illegible]) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M11004 07/26/12SF TCLP Extraction Fluid #1: Into a 20L carboy Pipet 114ml Glacial Acetic Acid (AB 534) and 128.6 ml 10N NaOH (#10910). Dilute to 20L with DI and mix. pH = 4.93 ± 0.05

Exp: 07/26/13

#M11005 09/30/12SF — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11006 07/30/12SF — Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11007 07/30/12SF — Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M11006) into 100ml = 3.0ug/L Hg

#M11008 07/30/12SF — Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M11009 07/30/12SF — Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M11006) into 100ml = 0.2ug/L Hg

#M11010 07/30/12SF — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)

07/30/12SF
#M11011 07/30/12SF — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10985) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M11012 08/06/12 AMA — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M11013 08/06/12 AMA — Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M11014 08/06/12 AMA — Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M11013) into 100ml = 3.0ug/L Hg

#M11015 08/06/12 AMA — Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M10987 07/12/12 I5F Potassium Persulfate ~~5din: 50g potas~~ 07/12/12 I5F 07/12/12 I5F Lot NO: 117410 Exp: 07/12/13

#M10988 07/16/12 I5F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10989 07/16/12 I5F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10990 07/16/12 I5F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10989) into 100ml = 3.0ug/L Hg
#M10991 07/16/12 I5F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10992 07/16/12 I5F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M10989) into 100ml = 0.2ug/L Hg
#M10993 07/16/12 I5F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)
#M10994 07/16/12 I5F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10985) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10995 07/17/12 I5F TCLP Extraction Fluid #1: Into a 20L carboy pipet 11.4mL Glacial Acetic Acid (AB.534) and 128.6mL 10N NaOH (#M10910). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05
Exp: 07/17/13

#M10996 07/20/12 I5F potassium permanganate 5din: 50g potassium permanganate (#M9903) dissolve into 1,000mL of D.I. H2O.
Exp: 01/20/13

#M10997 07/23/12 I5F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
[illegible]	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
[illegible]	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10998) into 100ml = 3.0ug/L Hg
[illegible]	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
[illegible]	Hg MRL:	0.2ml of 100ug/L Hg (#M10998) into 100ml = 0.2ug/L Hg

#M10976 07/09/12 LSF — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)

#M10977 07/09/12 LSF — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M 10883) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10978 07/09/12 LSF Potassium persulfate soln: 50g potassium persulfate (#M10573) dissolve into 1000mL DI. H2O.
Exp: 01/09/13

#M10979
7-10-12
JA

ICAP Working Standards List 2

.5% HNO3 .5%HCL

Standard name	Pipet the following respectively:
1	0.01 mls of #M10837 and .001mls #M10559 = 1 ug/L
10	0.10 mls of #M10837 and .01mls #M10559 = 10 ug/L
100	1 mls of #M10334 and 0.1mls #M10559 = 100 ug/L
1000	10 mls of #M10334 and 1.0mls #M10559 = 1000 ug/L
10000	100 mls of #M10334 and 10mls #M10559 = 10000 ug/L

ex3-13

#M10980 7-10-12 JA — Initial Calibration Standard (ICV) List 2
Into 1 liter vol flsk pipet 1 ml of #M10567,M10562,M10569,M10709, and M9930
bring up to mark with DI H2O ex 8/12

#M10981 7-10-12 JA — Continuing Calibration Standard (CCV)
into 1 liter vol flask pipet 10 mls of #M10837 and 1.0mls #M10559 = 1000 ug/L
bring up to mark with DI H20 ex 3-13

#M10982 07-10-12 AMA — GFAA LOD/LOQ Soil Working Std: Into a 200mL vol. flask, partially filled with D.I. H_2O, pipet the following and bring up to volume with D.I. H_2O.
(1% HNO_3)
Exp. 11/25/12
1.2mL Sb 1000mg/L (#M10280) = 6,000 µg/L Sb
3.2mL As 1000mg/L (#M10281) = 16,000 µg/L As
3.2mL Se 1000mg/L (#M10277) = 16,000 µg/L Se
0.08mL Pb 10,000mg/L (#M10839) = 4,000 µg/L Pb
1.0mL Tl 1000mg/L (#M10566) = 5,000 µg/L Tl
0.12mL Ag 1000mg/L (#M10310) = 600 µg/L Ag

#M10983 07-10-12 AMA — GFAA LOD/LOQ Soil Spiking soln: Into a 1L vol. flask, pipet 10mL of #M10982 bring up to volume with D.I H_2O.
(1% HNO_3)
Exp. 11/25/12

#M10984 07/10/12 LSF Elektrolyte - Lot NO.: 1W350A Exp: 12/16/14

#M10985 07/11/12 LSF Stannous Chloride - Lot NO. K475588 Exp: 07/11/13

#M10986 07/12/12 LSF NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M10711) 20mL hydroxylamine sulfate (#M10

#M10962 06/29/12 13F Potassium permanganate Soln: 50g potassium permanganate (#M9903) dissolve into 1,000mL of D.I. H2O.
Exp: 12/29/12

#M10963 06/29/13 13F TCLP Extraction Fluid #1: 7nto a 20L carboy pipet 114ml Glacial Acetic Acid (AB.534) and 128.6mL 10N NaOH (#M10910). Dilute to 20L with D.I. H2O and mix. pH = 4.93±0.05
Exp: 06/29/13

#M10964 07/02/12 13F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10965 07/02/12 13F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10966 07/02/12 13F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10965) into 100ml = 3.0ug/L Hg
#M10967 07/02/12 13F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10968 07/02/12 13F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10965) into 100ml = 0.2ug/L Hg
#M10969 07/02/12 13F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)
#M10970 07/02/12 13F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M 10291) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.
#M10971 07/09/12 13F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10972 07/09/12 13F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10973 07/09/12 13F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10972) into 100ml = 3.0ug/L Hg
#M10974 07/09/12 13F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10975 07/09/12 13F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10972) into 100ml = 0.2ug/L Hg

#M10954 06/25/12SF — Hg MRL: (0.2% HNO3, HCl) — 0.2ml of 100ug/L Hg (#M [illegible]) into 100ml = 0.2ug/L Hg

#M10955 06/25/12SF — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 537) with 1 part HNO3 (AB: 536)

#M10956 06/25/12SF — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride in approx. 70 mL HCl (AB: 537). Bring up to volume with DI Water

#M10957 06/25/12SF NaCl Hydroxylamine Sulfate Reagent: Dissolve 6og NaCl (#M10957A) and 6og hydroxylamine sulfate (#M10961) in approx. Mill; -a H2O.

Exp: 12/25/12

#M10958 6-27-12

ICAP Working Standards

5% HNO3 5%HCL

Standard name	Pipet the following respectively:
0.25	0.25 mls of standard 100 ug/L into 1000 ml volumetric flask = 0.25 ug/L std
0.5	0.50 mls of standard 100 ug/L into 1000ml volumentric flask= 0.50 ug/L std
1	1.0 mls of standard 100ug/L into 1000 ml volumentrc flask =1.00 ug/L std
5	5.0 mls of standard 100ug/L into 1000 ml volumentrc flask =5.00 ug/L std
10	10.0 mls of standard 100ug/L into 1000 ml volumentrc flask =10.0 ug/L std
20	20.0 mls of standard 100ug/L into 1000 ml volumentrc flask =20.0 ug/L std
50	50.0 mls of standard 100ug/L into 1000 ml volumentrc flask =50.0 ug/L std
100	1.0 mls of #M10837(ex 3/13) and 1.0 mls of #M10470 (ex 09/12) into 1000 ml volumectric flask= 100 ug/L std
1000	10.0 mls of #M10837(ex 4/13) and 1.0 ml of #M10310 Ag, #M10568 Be,#M10278 Cd and #M10564 Si into 1000 ml volumetric flask = 1000 ug/L std
10,000	100 mls #M10837 (ex 4/13),10 mls #M10568 Be (ex 4/13),10 mls #M10278 Cd (ex 11/12)
100k	10 mls of #M10144 Cu (ex 9/12) , 10 mls of #M10141 Mn (ex 9/12) , 10 mls of #M10139 Cr (ex 9/12), 10 mls #M10899 Fe (ex 11/13) , 10 mls #M10898 Ca (ex 11/13), 10 mls #M10897 Al (ex 11/13) , 10 mls #M10284 Zn (ex 09/12) = 100,000 ug/L
100,000	10 mls of #M10899 Mg (ex 06/13) , 10 mls of #M10896 Fe (ex 11/13) ,10 mls of #M10898 Ca (ex 11/13),10 mls #M10897 Al (ex 11/13) , 10 mls #M10570 Na (ex 4/13),10 mls #m10570 Na (ex 3/13), 10 mls #m10667 K (ex 6/13) into 1000 ml vol flask = 100,000 ug/l std
500,000	50 mls of #M10899 Mg (ex 11/13) , 50 mls of #M10896 Fe (ex 11/13) ,50 mls of #M10898 Ca (ex 11/13), 50 mls #M10897 Al (ex 11/13) , 50 mls #M10570 Na (ex 4/13), 50 mls #m10570 Na (ex 3/13), 50 mls #m10667 K (ex 6/13) into 1000 ml vol flask = 500,000 ug/l std
1000k	100 mls of #M10899 Mg (ex 06/13) , 100 mls of #M10896 Fe (ex 11/13) ,100 mls of #M10898 Ca (ex 11/13),100 mls #M10897 Al (ex 11/13) , 100 mls #M10570 Na (ex 4/13),100 mls #m10570 Na (ex 3/13), 100 mls #m10667 K (ex 6/13) into 1000 ml vol flask = 1,000,000 ug/l std
	Bring the 1000 ml volumetric up to mark with DI H2O

#M10959 ICV/LCSW into 1 Liter vol flask pipet 10mls #M10837 and 10mls #M10837A, 0.5mls #M10560. Bring up to mark with DI H2O. a 6-27-12

#M10960 CCV1, CCV2. into 2 1 Liter volumetrics
5% HCL 6-27-12
5% HNO3
CCV1 → 50mls #M10837 and 50mls #M10837A with DI H2O
CCV2 → 5mls #M10837 and 5mls #M10837A mark with DI H2O. a 6-27-12

#M10961 CSAB into 500 ml vol flask pipet 5mls #M10837 and 5mls #M10470 Bring up to mark w/ DI H2O. a 6-27-12
5% HCL 6-27-12
5% HNO3

te HCl (AB.537)
538)

e, dissolve
41) in 70mL HCl
with D.I. H2O.

(AB: 538)

ide (# M 1641) in

#M 10563) into

=100ug/L Hg
0mL = 5.0ug/L Hg

100mL = 10mg/L Hg
ug/L Hg
= 10ug/L Hg

P ex June 15 2013

#M10940 06/19/12 LSF — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M10941 06/19/12 LSF — Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M10942 06/19/12 LSF — Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 10941) into 100ml = 3.0ug/L Hg

#M10943 06/19/12 LSF — Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M10944 06/19/12 LSF — Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M 10941) into 100ml = 0.2ug/L Hg

#M10945 06/19/12 LSF — Hg Aqua Regia Reagent:
"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 536)

#M10946 06/19/12 LSF — Stannous Chloride Reagent:
Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M 10941) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10947 06/19/12 LSF Potassium permanganate sol'n: 50g potassium permanganate (#M9903) dissolve into 1,000mL of D.I. H2O.
Exp: 12/19/12

#M10948 06/19/12 LSF TCLP Extraction Fluid #1: Into a 20L carboy pipet 11.4mL Glacial Acetic Acid (AB.539) and 128.6mL 10 N NaOH (#M10910). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05
Exp: 06/19/13

#M10949 06/24/12
AAA — Pd/Mg Modifier – Into a 50mL vol. Flask, pipet 15mL *M10726 and 5mL *M10551. Bring up to volume with Milli-Q water. Exp. 10-30-12

#M10950 06/25/12 LSF — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M10951 06/25/12 LSF — Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M10952 06/25/12 LSF — Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 10951) into 100ml = 3.0ug/L Hg

#M10953 06/25/12 LSF — Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M10928 06/04/12 SP Hg Aqua Regia Reagent: "Carefully in hood mix 3 parts HCl with one part #NO3 (AB 538)

#M10929 06/04/12 SF Stannous Chloride Reagent: Into a 100mL volumetric flask, dissolve 100g Stannous Chloride (#M10241) in some D.I. (AB 537). Bring up to volume with D.I.

#M10930 06/11/12 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10931 06/11/12 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10932 06/11/12 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 10931) into 100ml = 3.0ug/L Hg
#M10933 06/11/12 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10934 06/11/12 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10931) into 100ml = 0.2ug/L Hg
#M10935 06/11/12 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)
#M10936 06/11/12 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M 10241) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10937 06/11/12 SP Hg 06/10D Spiking soln (water) - 1.0mL of 1000mg/L Hg (#M10563) into 100mL = 10mg/L Hg
1.0mL of 10mg/L Hg into 100mL = 100ug/L Hg
5.0mL of 100ug/L Hg into 100mL = 5.0ug/L Hg

#M10938 06/11/12 SF Hg 06/10D Spiking soln (soil) - 1.0mL of 1000 mg/L Hg (#M10563) into 100mL = 10mg/L Hg
1.0mL of 10mg/L Hg into 100mL = 100ug/L Hg
10.0mL of 100ug/L Hg into 100mL = 10ug/L Hg

#M10939 6-18-12 Custom Assurance std. Spex CertiPrep lot # 7-188YP

#M10914 05/29/12 LSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10913) into 100ml = 3.0ug/L Hg
#M10915 05/29/12 LSF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10916 05/29/12 LSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M10913) into 100ml = 0.2ug/L Hg
#M10917 05/29/12 LSF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)
05/29/12 LSF #M10918 05/29/12 LSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M10241) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10919 05/29/12 LSF Potassium permanganate Soln: 50g potassium permanganate (#M9908) dissolve into 1000mL of D.I. H_2O.
Exp: 11/29/12

#M10920 05/29/12 LSF NaCl Hydroxylamine sulfate Reagent: Dissolve 100g NaCl (#M9574) and 100g hydroxylamine sulfate (#M10210) in 500mL Milli-Q H_2O.
Exp: 11/29/12

#M10921 05/30/12 LSF TCLP Extraction Fluid #1: Into a 20L Carboy pipet 11.4mL Glacial Acetic Acid (AB.534) and 128.6ml 10N NaOH (#M10910). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05
Exp. 05/30/13

#M10922 05/30/12 LSF 10N NaOH: Into a 1L vol. flask add 400g NaOH (#M10571) and bring up to volume with D.I. H_2O.
Exp: 05/30/13

#M10923 06/04/12 LSF Hg working stds: (0.2% HNO_3, HCl)
1.0mL of 1000mg/L Hg (#M10563) into 100mL = 10mg/L Hg
1.0 mL of 10mg/L Hg into 100mL = 100ug/L Hg
0.5 mL of 100ug/L Hg into 100mL = 0.5ug/L Hg
1.0mL of 100ug/L Hg into 100mL = 1.0ug/L Hg
2.0mL of 100ug/L Hg into 100mL = 2.0ug/L Hg
4.0mL of 100ug/L Hg into 100mL = 4.0ug/L Hg
5.0 mL of 100ug/L Hg into 100mL = 5.0ug/L Hg
10.0 mL of 100ug/L Hg into 100mL = 10.0ug/L Hg

#M10924 06/04/12 LSF Hg-Alt Source working std: (0.2% HNO_3, HCl) 1.0mL of 1000mg/L Hg (#M9063) into 100mL = 10mg/L Hg 1.0mL of 10mg/L into 100mL = 100ug/L Hg

#M10925 06/04/12 LSF Hg ICV LCSW (0.2% HNO_3, HCl) 3.0mL of 100ug/L Hg (#M10924) into 100mL = 3.0ug/L Hg

#M10926 06/04/12 LSF Hg CCV (0.2% HNO_3, HCl)
1.0mL of 1000mg/L Hg (#M9954) into 100mL = 10mg/L Hg
1.0mL of 10mg/L Hg into 100mL = 100ug/L Hg
3.0mL of 100ug/L Hg into 100mL = 3.0ug/L Hg

#M10927 06/04/12 LSF Hg MRL: (0.2% HNO_3, HCl) 0.2mL of 100ug/L Hg (#M10924) into 100mL = 0.2ug/L Hg

#M10901 05/21/12 15F — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M10902 05/21/12 15F — Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M10903 05/21/12 15F — Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 10902) into 100ml = 3.0ug/L Hg

#M10904 05/21/12 15F — Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M10905 05/21/12 15F — Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M 10902) into 100ml = 0.2ug/L Hg

#M10906 05/21/12 15F — Hg Aqua Regia Reagent:
"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 536)

#M10907 05/21/12 15F — Stannous Chloride Reagent:
Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M10911) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10908 05/21/12 15F NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M10915) and 60g hydroxylamine Sulfate (#M10917) in 500mL Milli-a H2O.
Exp: 11/21/12

#M10909 05/22/12 13F Potassium Persulfate Soln: 50g potassium persulfate (#M10918) dissolve into 1,000mL D.I. H2O.
Exp: 11/22/12

#M10910 05/24/12 13F 10N NaOH: Into a 1L Vol. flask add 400g NaOH (#M10519) and bring up to volume with D.I. H2O.
Exp: 05/24/13

#M10911 05/24/12 13F TCLP Extraction Fluid #1: Into a 20L carboy pipet 11.5mL Glacial Acetic Acid (AB.534) and 12.6mL 10N NaOH (#M10910). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05
Exp: 05/24/13

#M10912 05/29/12 15F — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml = 10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml = 5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M10913 05/29/12 15F — Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

permanganate
re into 1,000mL

#M10886 05-09-12 TCLP Extraction Fluid #2 - Into a 20L carboy, pipet 114mL Glacial Acetic Acid (AB:534). Dilute to 20L with D.I. H_2O and mix. pH= 2.88 ± 0.05. Exp. 05-09-13
AMA

#M10887 05/11/12 15F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10888 05/11/12 15F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10889 05/11/12 15F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 10888) into 100ml = 3.0ug/L Hg
#M10890 05/11/12 15F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10891 05/11/12 15F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10888) into 100ml = 0.2ug/L Hg
#M10892 05/11/12 15F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)
#M10893 05/11/12 15F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M 10894) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

3: 538)

(# M 10894) in

acial Acetic
aOH (#M10855).
mix.

#M10894 05/11/12 15F TCLP Extraction Fluid #1: Into a 20L carboy pipet 114mL Glacial Acetic Acid (AB:534) and 128.6mL 10N NaOH (#M10855). Dilute to 20L with D.I. H_2O and mix. (pH = 4.93 ± 0.05)
Exp: 05/11/13

etic Acid (AB:537)
2 to 20L with
5)

82

#M10895 Custom Assurance Std Spex lot# 7-110YP ex. May 15 2013.
ID 5-14-12

5 and 5mL
Exp. 10-30-12

#M10896 5-14-12 Fe 10,000mg/L CPI lot# 12C111 ex. NOV 2013
ID

8889

#M10897 5-14-12 Al 10,000 mg/L CPI lot # 11L100 ex NOV 2013
ID

#M10898 5-14-12 Ca 10,000mg/L CPI lot # 12D128 ex NOV 2013
ID

#M10899 5-14-12 Mg 10,000 mg/L CPI Lot # 12C187 ex NOV 2013
ID

#M10900 05/18/12 15F Potassium Permanganate soln: 50g potassium permanganate (#M9903) dissolve into 1,000mL of D.I. H_2O.
Exp: 11/18/12

#M10873 05/08/12 LSF Potassium permanganate solin: 50g Potassium permanganate (#M9803) dissolve into 1,000ml of D.I. H2O

Exp: 11/03/12 LSF

#M10874 05/04/12 LSF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10875 05/04/12 LSF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10876 05/04/12 LSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 10875) into 100ml = 3.0ug/L Hg
#M10877 05/04/12 LSF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10878 05/04/12 LSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10875) into 100ml = 0.2ug/L Hg
#M10879 05/04/12 LSF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)
#M10880 05/04/12 LSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M 10241) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10881 05/04/12 LSF TCLP Extraction Fluid #1: Into a 20L carboy pipet 114mL Glacial Acetic Acid (AB:534) and 128.6mL 10N NaOH (#M10855). Dilute to 20L with D.I. H2O and mix.

Exp: 05/04/13 (pH=4.93 ± 0.05)

#M10882 05/04/12 LSF TCLP Extraction Fluid #1: Into a 20L carboy pipet 114mL Glacial Acetic Acid (AB:534) and 128.6mL 10N NaOH (#M10855). Dilute to 20L with D.I. H2O and mix. (pH=4.93 ± 0.05)

Exp: 05/04/13 05/04/12 LSF

#M10883 05/07/12 GJE Stannous Chloride Crystal, Macron Chemicals Lot No. K40582

#M10884 05/08/12 GJE Pd/Mg Modifier: Into a 50 mL vol. flask, pipet 15mL #M10726 and 5mL #M10551. Bring up to volume with MilliQ water. Exp. 10-30-12

#M10885 05/08/12 GJE Turbidity Standard 2.0 NTU, GFS Chemicals Lot No. C148889 Expires: 05/13

#M

#M10861 04/27/12 LSF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10862 04/27/12 LSF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10863 04/27/12 LSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 10862) into 100ml = 3.0ug/L Hg
#M10864 04/27/12 LSF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10865 04/27/12 LSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10862) into 100ml = 0.2ug/L Hg
#M10866 04/27/12 LSF	Hg Aqua Regia Reagent	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)
#M10867 04/27/12 LSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M 10241) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10868 04/30/12 GAE Interferents A Spex CertiPrep Lot No. 7-32XP Exp. 04-30-13

#M10869 04/30/12 GAE TCLP #1 Extraction Fluid: Into a 20L carboy, pipet 114mL Glacial Acetic Acid (AB:534) and 128.6mL 10N NaOH (#M10855). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05
Exp. 04-30-13

#M10870
JA
5-2-12

ICAP Working Standards Boron & Silicon

Standard name	Into 1 liter Pipet the following respectively:
10	0.1 mls of #M10837 and .01mls #M10860 = 10 ug/L
50	0.5 mls of #M10837 and .05mls #M10860 = 50 ug/L
100	1 mls of #M10837 and 0.1mls #M10860 = 100 ug/L
1000	10 mls of #M10837 and 1.0mls #M10860 = 1000 ug/L
10000	100 mls of #M10837 and 10mls #M10860 = 10000 ug/L

ex 3-13

#10871
JA
5-2-12

Initial Calibration Standard (ICV) B, Si
Into 1 liter vol flsk pipet 1 ml of #M10275 & M10564
bring up to mark with DI H2O ex 11/12

#10872
JA
5-2-12

Continuing Calibration Standard (CCV)
Into 1 liter vol flask pipet 10 mls of #M10837 and 1.0mls #M10564 = 1000 ug/L
bring up to mark with DI H20 ex 12-12

#M10847 04/19/12 15F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10848 04/19/12 15F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10849 04/19/12 15F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10848) into 100ml = 3.0ug/L Hg
#M10850 04/19/12 15F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10851 04/19/12 15F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M10848) into 100ml = 0.2ug/L Hg
#M10852 04/19/12 15F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)
#M10853 04/19/12 15F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10241) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10854 04/19/12 15F Potassium Permanganate soln: 50g potassium permanganate (#M9903) dissolve into 1,000mL of D.I. H_2O.
Exp: 10/19/12

#M10855 04/24/12 15F 10N NaOH: Into a 1L vol. flask add 400g NaOH (#M10538) and bring up to volume with D.I. H_2O.
Exp: 04/24/13

#M10856 04/24/12 15F TCLP Extraction Fluid #1: Into 20L Carboy pipet 114mL Glacial Acetic Acid (AB:534) and 128.6mL 10N NaOH (#M10708). Dilute to 20L with D.I. H_2O and mix.
Exp: 04/24/13 (pH=4.93±0.05)

#M10857 04/25/12 SPLP Ext. Fluid Acid Mixture: Into a 200mL vol. flask, add 12g H_2SO_4 (AB:528) and 8g Conc. HNO_3 (AB:551). Bring up to volume with D.I. H_2O.
Exp. 04-25-13

#M10858 04/25/12 SPLP Extraction Fluid #1: Into a 20L carboy, add D.I. H_2O to mark and adjust pH to 4.20±0.05 with #M10857.

#M10859 04/26/12 15F NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g hydroxylamine Sulfate (#M10210) in 500mL Milli-a H_2O.
Exp: 10/26/12

#M10860 4-27-2012 Silicon 1000 mg/L FISHER lot # 116650 exp 12/13

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issolve

) in

hydroxylamine

H_2O.

7821

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#M10833 04/05/12 TCLP Extraction Fluid #1: Into a 20L carboy pipet 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 10N NaOH (#M10708). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05
13F Exp. 04/05/13

#M10834 04/09/12 GFAA Base Std (25µg/L) (5% HCL, 2% HNO_3) Pipet 25mL of #M10818 into a 1L vol. flask and bring up to volume with MilliQ H_2O. Exp. 04-01-13
GE

#M10835 04/09/12 GFAA CCV Std (10µg/L) (5% HCL, 2% HNO_3) Pipet 10mL of #M10818 into a 1L vol. flask and bring up to volume with MilliQ H_2O. Exp. 04-01-13.
GE

#M10836 04/09/12 GFAA Alt. Source Std (10µg/L) (5% HCL, 2% HNO_3) Pipet 50mL of #M10819 into a 1L vol. flask and bring up to volume with MilliQ H_2O. Exp. 04-01-13
GE

#M10837. 4-11-2012 Custom Assurance std 100µg/L Spex CertiPrep Lot # 11-189 CR ex 3/13.
A

#M10838 4-11-2012 Custom Assurance std x spike Spex CertiPrep Lot# 11-188Cr ex 3/13
A

#M10839 4-11-12 CPI Pb 10,000 mg/L Lot# 11J007 ex 10/13
A

#M10840 04/12/12 13F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10841 04/12/12 13F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10842 04/12/12 13F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10841) into 100ml = 3.0ug/L Hg
#M10843 04/12/12 13F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10844 04/12/12 13F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M10841) into 100ml = 0.2ug/L Hg
#M10845 04/12/12 13F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)
#M10846 04/12/12 13F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10241) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10820 04/02/12 GFAA Alt Source Std (10µg/L) (1% HNO_3) Pipet 50mL of #M10867 into 1L vol. flask and bring up to vol. with Milli-Q H_2O. Exp: 10/02/12

#M10821 04/02/12 GFAA CCV Std (10µg/L) (1% HNO_3) Pipet 10mL of #M10818 into 1L vol. flask and bring up to vol. with Milli-Q H_2O. Exp: 10/02/12

#M10822 04/02/12 GFAA Base Std (25µg/L) (1% HNO_3) Pipet 25mL of #M10818 into 1L vol. flask and bring up to vol. with Milli-Q H_2O. Exp: 10/02/12

#M10823 04/03/12 Potassium persulfate Soln: 50g Potassium persulfate (#M9444) dissolved into 1,000mL D.I. H_2O. Exp: 10/03/12 04/03/12 Perman 04/03/12

#M10824 04/03/12 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10825 04/03/12 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10826 04/03/12 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 10825) into 100ml = 3.0ug/L Hg
#M10827 04/03/12 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10828 04/03/12 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10825) into 100ml = 0.2ug/L Hg
#M10829 04/03/12 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)
#M10830 04/03/12 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10831 04/03/12 SF NaCl Hydroxylamine Sulfate Reagent: Dissolve 600g NaCl (#M9544) and Hydroxylamine Sulfate (#M10210) in 500mL Milli-Q H_2O. Exp: 10/03/12

#M10832 4-4-2012 Yttrium 10,000 Environmental Express Lot # [illegible] exp. [illegible]
JH

#M10809 03/22/12 I5F — Hg Alt Source working std: 1.0mL of 1000mg/L Hg (#M9063) into 100mL = 10 mg/L Hg (0.2%) HNO_3, HCl) 1.0mL of 10mg/L into 100mL = 100ug/L Hg

#M10810 03/22/12 I5F — Hg ICV/LCSW 3.0mL of 100ug/L Hg (#M10809) into 100mL = 3.0ug/L Hg (0.2%) HNO_3, HCl)

#M10811 03/22/12 I5F — Hg CCV 1.0mL of 100mg/L Hg (#M9954) into 100mL = 10mg/L Hg (0.2% HNO_3, HCl) 1.0mL of 10mg/L Hg into 100mL = 100ug/L Hg; 3.0mL of 100ug/L Hg into 100mL = 3.0ug/L Hg

#M10812 03/22/12 I5F — Hg MRL: 0.2mL of 100ug/L (#M10809) into 100mL = 0.2ug/L Hg (0.2% HNO_3, HCl)

#M10813 03/22/12 I5F — Hg Aqua Regia Reagent: Carefully in hood, mix 3 parts HCl (AB.537) with 1 part HNO_3 (AB.547)

#M10814 03/22/12 I5F — Stannous Chloride Reagent: Into a 1000mL volumetric flask, dissolve 100g Stannous Chloride (#M10572) in 70mL HCl (AB.537). Bring up to volume w/ D.I. H_2O.

#M10815 03/23/12 I5F — 3050 LOQ V; 10mL HCl; 10mL HNO_3

LOQ

3050 [redacted] Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	MDL (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Li	14.4		1000	0.72
Sn	20		1000	1
Sr	3.2		1000	0.16
Tl	9.6		1000	0.48
W	24		1000	1.2

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

EXPIRES 08/[illegible]/2013

#M10816 03/29/12 GE — Inorganic Ventures CTI-SPK-1 Lot no. F2-MEB417037 Exp. 04-01-2013

#M10817 03/29/12 GE — Inorganic Ventures CTI-GFCAL-1 Lot no. F2-MEB417036 Exp. 04-01-2013

#M10818 04/02/12 GE — GFAA Working Base Std. (1000µg/L): Pipet 10mL of #M10816 into a 1 L vol. flask & bring up to volume with MilliQ water. Exp. 04-01-13 (1% HNO_3)

#M10819 04/02/12 GE — GFAA Alt. Source Working Std (200µg/L): Pipet 20mL of #M10817 into a 1L vol flask and bring up to volume with MilliQ H_2O. Exp. 04-01-13. (1% HNO_3)

#M10801 03/12/12 GFAA Stability Check Working Standard: Into a 250mL vol. flask [illegible] and bring up to volume with DI H2O
GUE 1% HNO_3, Exp. 09-09-12
0.6mL of 1,000mg/L As (#M10781)
0.04mL of 10,000mg/L Pb (#M10142)
1.7mL of 1,000mg/L Se (#M10270)
0.9mL of 1,000mg/L Sb (#M10282)
0.4mL of 1,000mg/L Tl (#M10766)
0.07mL of 1,000mg/L Ag (#M10310)

#M10802 03/12/12 GFAA Stability Check Standard: Pipet 5mL of #M10801 [illegible] 1L vol. flask and bring up to volume with D.I. H_2O
GUE 1% HNO_3, Exp. 09-09-12

#M10803 03/13/12 TCLP Extraction Fluid #1: Into a 20L carboy pipet 11.4mL Glacial Acetic Acid (AB.534) and 128.6mL 1N NaOH (#M10703) Dilute to 20L with D.I. H_2O and mix.
(pH=4.93±0.05) Exp: 03/13/13

#M10804 03/13/12 1N HCl for TCLP: Into a 1L vol. flask, partially filled with Milli-Q H_2O, add 83mL of concentrated HCl (AB.543) and bring up to volume with Milli-Q water.
GUE Exp. 03/13/13

#M10805 3-20-2012 MDL, LOQ check (3010) 5% HNO_3 into 1 Liter Volumetric flask pipet 1ml M10762 bring up to mark with 5% HNO_3 x500 dilution - use 1ml into 50 or 10 into 500mL for = 200ug/L.
A

#M10805b 3-20-2012 LOD, LOQ Check (3050) into 1 Liter Volumetric flask pipet 1ml M10762. Bring up to mark with 5% HNO_3 x500 dilution - use 1ml into 50 or 10 into 500mL for = 240 mg/L or 6mg/kg.
A

#M10807 03/22/12 15F Potassium permanganate soln: 50g potassium permanganate (#M10651) dissolve into 1000mL of DI H_2O
Exp: 09/22/12 15F

#M10808 03/22/12 15F Hg working stds: (0.2% HNO_3, HCl)
1.6mL of 1000mg/L Hg (#M10683) into 100mL = 16mg/L Hg
1.0mL of 10mg/L Hg into 100mL = 100ug/L Hg
0.5mL of 10mg/L Hg into 100mL = 50ug/L Hg
1.0mL of 10mg/L Hg into 100mL = 100ug/L Hg
2.0mL of 10mg/L Hg into 100mL = 200ug/L Hg
4.0mL of 10mg/L Hg into 100mL = 400ug/L Hg
5.0mL of 10mg/L Hg into 100mL = 500ug/L Hg
10.0mL of 10mg/L Hg into 100mL = 1000ug/L Hg

#M10790 03/08/12 15F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 10789) into 100ml = 3.0ug/L Hg
#M10791 03/08/12 15F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10792 03/08/12 15F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10789) into 100ml = 0.2ug/L Hg
#M10793 03/08/12 15F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)
	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M 10572) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.
#M10794 03/09/12 15F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10795 03/09/12 15F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10796 03/09/12 15F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 10795) into 100ml = 3.0ug/L Hg
#M10797 03/09/12 15F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10798 03/09/12 15F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10795) into 100ml = 0.2ug/L Hg
#M10799 03/09/12 15F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)
#M10800 03/09/12 15F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10572) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

3-12-12

#M10777 02/28/12SF — Hg Alt Source Working Std: (0.2% HNO3, HCl) — 1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg; 1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M10778 02/28/12SF — Hg ICV / LCSW (0.2% HNO3, HCl) — 3.0ml of 100ug/L Hg (#M10777) into 100ml = 3.0ug/L Hg

#M10779 02/28/12SF — Hg CCV (0.2% HNO3, HCl) — 1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg; 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg; 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M10780 02/28/12SF — Hg MRL: (0.2% HNO3, HCl) — 0.2ml of 100ug/L Hg (#M10777) into 100ml = 0.2ug/L Hg

#M10781 02/28/12SF — Hg Aqua Regia Reagent: — "Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)

#M10782 02/28/12SF — Stannous Chloride Reagent: — Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10572) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10783 03/02/12 GJG — TCLP Extraction Fluid #1: (pH = 4.93 ± 0.05) — Into a 20L carboy, pipet 114mL Glacial Acetic Acid (AB-534) and 128.6 mL 10N NaOH (#M10708). Dilute to 20L with DI. H_2O and mix. Exp. 03/02/13

#M10784 3-2-2012 DJ — Sulfur Working Stds ICAP and CCV — Into 4 100 ml vol flasks, pipet respectfully from #M10773 10,000 mg/L Sulfur Std.
also CCV ← 1000 Std = .01 mls of #M10773 = 1000 ug/L
10,000 std = .1 mls of #M10773 10,000 ug/L
100,000 std = 1.0 mls of #M10773 100,000 ug/L
1000K Std = 10 mls of #M10773. 1000K ug/L
Bring up to Mark with DI H_2O. ex 10/13

#M10785 3-2-2012 DJ — Sulfur ICV — into 100 ml Vol flask pipet .01mls #M10767 10,000 mg/L Sulfur = 1000ug/L S.

#M10786 03/05/12 GJG — Pd/Mg Modifier: — Into a 50 ml vol. flask, pipet 15mL #M10726 and 5mL #M10551, Bring up to volume with MilliQ water. Exp. 10-30-12

#M10787 03/05/12 GJG — TCLP Extraction Fluid #2: — Into a 20 L carboy, pipet 114mL Glacial Acetic Acid (AB-534). Dilute to 20 L with DI H_2O. and mix. pH = 2.88 ± 0.05. Exp. 03-05-13

#M10788 03/06/12SF — Hg Working Stds: (0.2% HNO3, HCl) — 1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg; 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg; 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg; 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg; 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg; 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg; 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg; 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

3/12

#M10789 03/06/12SF — Hg Alt Source Working Std: (0.2% HNO3, HCl) — 1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg; 1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M10764 02/17/12 13F NaCl Hydroxylamine sulfate Reagent: Dissolve 60g NaCl (#M9574) and 60g Hydroxylamine sulfate (#M10210) in 500 mL milli-Q H2O.
Exp: 08/17/12 13F

#M10765 02/21/12 13F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10766 02/21/12 13F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10767 02/21/12 13F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10766) into 100ml = 3.0ug/L Hg
#M10768 02/21/12 13F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10769 02/21/12 13F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M10766) into 100ml = 0.2ug/L Hg
#M10770 02/21/12 15F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)
#M10771 02/21/12 13F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10572) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10772 02/21/12 15F Potassium permanganate: 50g potassium permanganate (#M9703) dissolve into 1000mL D.I H2O.
Exp: 08/21/12

#M10773 2-21-2012 Sulfur 10,000mg/ml SCP Science Lot #5120116017 ex 10/13

#M10774 02/26/12 TCLP Extraction Fluid #1: Into a 20L carboy pipet 114mL Glacial Acetic Acid (AB534) and 128.6mL 10N NaOH (#M10708) Dilute to 20L with D.I. H2O and mix. pH = 4.93±0.05
13F
Exp: 02/26/13

#M10775 02/27/12 TCLP Extraction Fluid #1: Into a 20L Carboy, pipet 114mL Glacial Acetic Acid (AB:534) and 128.6mL 10N NaOH (#M10708). Dilute to 20L with D.I. H2O and mix. pH = 4.93±0.05.
Exp: 02/27/13
02/27/13 GE

#M10776 02/28/12 15F — Hg Working Stds: (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M10748 02/07/12/15F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10749 02/07/12/15F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 10748) into 100ml = 3.0ug/L Hg
#M10750 02/07/12/15F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10751 02/07/12/15F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10748) into 100ml = 0.2ug/L Hg
#M10752 02/07/12/15F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)
#M10753 02/07/12/15F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M6572) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.
#M10754 02/14/12/15F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10755 02/14/12/15F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10756 02/14/12/15F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 10755) into 100ml = 3.0ug/L Hg
#M10757 02/14/12/15F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10758 02/14/12/15F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10755) into 100ml = 0.2ug/L Hg
#M10759 02/14/12/15F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)
#M10760 02/14/12/15F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M6572) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10761 2-15-12 Phosphorus 10,000 mg/L Spex Certiprep Lot # AC12-161P

#M10762 2-15-12 Sulfur 10,000 mg/L Spex Certiprep Lot # AC12-1635 (exp 2.15.12)

#M10763 02/16/12/15F TCLP Extraction Fluid #1: Into a 20L carboy pipet 11.4mL Glacial Acetic Acid (AB: 534) and 128.6mL 10N NaOH (#M10538) Dilute to 20L with D.I. #20 and mix. pH = 4.93 ± 0.05

Exp: 02/16/13

01-23-12 GME

#M10734 01-23-12 GME — Hg CCV (0.2% HNO3, HCl): 1.0ml of 1000mg/L Hg (#M9954 / 10563) into 100ml=10mg/L Hg; 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg; 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M10735 01-23-12 GME — Hg MRL: (0.2% HNO3, HCl): 0.2ml of 100ug/L Hg (#M10732) into 100ml = 0.2ug/L Hg

#M10736 01-23-12 GME — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)

#M10737 01-23-12 GME — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10572) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

0326 (aa)) in

#M10738 01-23-12 GME — Potassium Permanganate: 50g Potassium Permanganate (#M9903) dissolved into 1,000 mL D.I. H2O. Exp. 07-23-12

#M10739 01/26/12 ISF — TCLP Extraction Fluid #1: Into a 20L carboy pipet 11.4mL Glacial Acetic Acid (AB:539) and 128.6mL 10N NaOH (#M10708). Dilute to 20L with D.I. H2O and mix. pH = 4.93 ± 0.05

sCR

Exp: 01/26/13

#M10740 01/27/12 ISF — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

10726

3

#M10741 01/27/12 ISF — Hg Alt Source Working Std: (0.2% HNO3, HCl): 1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg; 1.0ml of 10mg/L into 100ml = 100ug/L Hg

flask,

12.

#M10742 01/27/12 ISF — Hg ICV / LCSW (0.2% HNO3, HCl): 3.0ml of 100ug/L Hg (#M10741) into 100ml = 3.0ug/L Hg

1. flask.

#M10743 01/27/12 ISF — Hg CCV (0.2% HNO3, HCl): 1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg; 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg; 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

04-01-12 GME

flask,

01-12

#M10744 01/27/12 ISF — Hg MRL: (0.2% HNO3, HCl): 0.2ml of 100ug/L Hg (#M10741) into 100ml = 0.2ug/L Hg

#M10745 01/27/12 ISF — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 538)

#M10746 01/27/12 ISF — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10572) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#10747 02/07/12 ISF — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M10720 01/17/12 GE	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 10719) into 100ml = 3.0ug/L Hg
#M10721 01/17/12 GE	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954 10563 01-23-12 GE) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10722 01/17/12 GE	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10719) into 100ml = 0.2ug/L Hg
#M10723 01/17/12 GE	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 536)
#M10724 01/17/12 GE	Stannous Chloride Reagent:	into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# MT0326 (a)) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10725 1-17-12 Spex Certiprep Custom Assurance Std lot # 10-170CR ox 1/15/2013.

#M10726 01-17-12 GE Matrix Modifier 1% Pd in 8% (wt/wt) HNO_3 + Tr HCl Env. Exp. Lot No. 1101221 Exp. 01-12-13

#M10727 01-17-12 GE Pd/Mg Matrix Modifier: Into a 50mL vol flask, pipet 15mL #M10726 and 5mL #M10551. Bring up to volume with Milli-Q water. Exp. 10-30-12

#M10728 01/20/12 GE GFAA Base Std (50 ug/L) (1% HNO_3) Pipet 12.5mL of #M10184 into a 250 mL vol. flask. Bring up to volume with Milli-Q H_2O. Exp. 04-01-12.

#M10729 01-20-12 GE GFAA Alt. Source Std. (25ug/L) (1% HNO_3) Pipet 31.25mL of #M10185 into a 250mL vol. flask. Bring up to volume with Milli-Q H_2O. Exp. 04-01-12.

#M10730 01-20-12 GE GFAA cal Std (25ug/L) (1% HNO_3) Pipet 50mL of #M10728 into a 100mL vol. flask. Bring up to volume with Milli-Q H_2O. Exp. 04-01-12.

#M10731 01-23-12 GE	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10732 01-23-12 GE	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10733 01-23-12 GE	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10732) into 100ml = 3.0ug/L Hg

#M10707 01/06/12 TCLP Extraction Fluid #1: Into a 20L carboy pipet 114mL glacial Acetic Acid (AB.534) and 128.6mL 10N NaOH (#M10538). Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05
CSF
Exp: 01/06/13

#M10708 01/06/12 10N NaOH: Into a 1L vol. flask add 400g NaOH (#M10571 01/06/12 CSF) and bring up to volume with D.I. H_2O
CSF
Exp: 01/06/13

#M10709 01/09/12 Titanium 1000 µg/mL CPI Lot No. 11E121 Exp. 04-20-13
GLE Rec'd 10-25-11

#M10710 01/10/12 CSF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10711 01/10/12 CSF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10712 01/10/12 CSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 6711) into 100ml = 3.0ug/L Hg
#M10713 01/10/12 CSF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954 10563 01-23-12 GLE) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10714 01/10/12 CSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 6711) into 100ml = 0.2ug/L Hg
#M10715 01/10/12 CSF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 536)
#M10716 01/10/12 CSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10328 (a)) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10717 01/16/12 Custom Assurance Standard 100mg/L As, Ar, B, Ba, Ca, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sn, Sr, Ti, Tl, V, Zn. Spex CertiPrep Lot No. ~~CFW1-5-500~~ 5-157YP
GLE 01-16-12 GLE
Exp. 01-15-13

#M10718 01/13/12 CSF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10719 01/13/12 CSF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M10703 1-4-12 MDL Spiking Soln' all. 50X
D into 1 Liter vol flask Pipet the following :-

Analyte	(ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag	5	M10310	1000	0.25
Al	10	M10870	10000	0.05
As	20	M10281	1000	1
Ba	2	M10143	1000	0.1
Be	0.5	M10568	1000	0.025
Ca	50	M10569	10000	0.25
Cd	0.5	M10278	1000	0.025
Co	2.5	M10561	1000	0.125
Cr	5	M10138	10000	0.025
Cu	10	M10144	10000	0.05
Fe	20	M10671	10000	0.1
Mg	25	M10668	10000	0.125
Mn	5	M10141	10000	0.025
Mo	2.5	M10560	1000	0.125
Ni	5	M10565	1000	0.25
Pb	10	M10142	10000	0.05
Sb	20	M10280	1000	1
Se	20	M10277	1000	1
Tl	20	M10566	1000	1
V	5	M10285	1000	0.25
Zn	5	M10284	10000	0.025

ex. 9-9-12

Bring up to mark with DI H2O. use 1ml into 50mls or 10.0mls into 500.

#M10704 1-4-12 MDL Spiking Soln' Na, K. Into One Liter Vol flask pipet the following =>

Analyte	(ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
K	500	M10567	10000	
Na	500	M10570	10000	

Bring up to mark with DI H_2O. use 1ml into 50mls or 10.0mls into 500. ex. 4-2-2013

#M10705 1-4-12 MDL Spiking Soln B, Si. Into 1 Liter vol flask pipet the following.

Analyte	(ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
B	20	M10225	1000	1
Si	100	M10584	1000	5

Bring up to mark with DI H_2O. Use 1ml into 50mls or 10.0mls into 500. ex. NOV 25, 2012

#10706 1-4-12 MDL Spiking Soln. Into 1 Liter vol flask pipet the following.

Analyte	(ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Li	5	M10567	1000	0.25
Sn	5	M10562	1000	0.25
Sr	5	M10569	1000	0.25
Ti	5	M10570	1000	0.25
W	10	M10559	1000	0.5

Bring up to mark with DI H_2O. Use 1ml into 50 mls or 10.0 mls into 500. ex. 4-20-2013

#M10677 12/19/11 GJE	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 10676) into 100ml = 3.0ug/L Hg
#M10678 12/19/11 GJE	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg (10563 01-23-12 GJE) 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10679 12/19/11 GJE	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10676) into 100ml = 0.2ug/L Hg.
#M10680 12/19/11 GJE	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 536)
#M10681 12/19/11 GJE	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10326 (a)) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10682 12/20/11 GJE — GFAA LOD/LOQ Soil Working Std (1% HNO_3)
Expires: 09/09/12

Into a 200 mL vol. flask, partially filled with DI H_2O, pipet the following and bring up to volume with D.I. H_2O.

1.2mL Sb 1000 mg/L (#M10280) = 6,000 µg/L Sb
3.2mL As 1000 mg/L (#M10281) = 16,000 µg/L As
3.2mL Se 1000 mg/L (#M10277) = 16,000 µg/L Se
0.08mL Pb 10,000 mg/L (#M10142) = 4,000 µg/L Pb
1.0mL Tl 1000 mg/L (#M10566) = 5,000 µg/L Tl
0.12mL Ag 1000 mg/L (#M10316) = 600 µg/L Ag

#M10683 12/20/11 GJE — GFAA LOD/LOQ Soil Spiking Solution (1% HNO_3)
Expires: 09/09/12

Into a 1L vol. flask, pipet 10mL of #M10682 and bring up to volume with D.I. H_2O.

#M10684 12/23/11 15F — Potassium Permanganate: 50g Potassium permanganate (#M9708) dissolved into 1,000mL D.I. H_2O.
Exp: 06/23/12

#M10685 12/23/11 15F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10686 12/23/11 15F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10684 12/23/11 15F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10686) into 100ml = 3.0ug/L Hg
#M10688 12/23/11 15F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg (10563 01-23-12 GJE) 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M10672 12/16/11 3F 3010 LOQ ✓

5% HNO_3
5% HCl

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Li	10	M10567	1000	0.5
Sn	10	M10540	1000	0.5
Sr	2	M10569	1000	0.1
Tl	8	M10709	1000	0.4
W	36	M10559	1000	1.8

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 09/09/12

#M10673 12/16/11 3F 3010 LOQ ✓

5% HNO_3
5% HCl

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
K	500	M10387	10000	2.5
Na	600	M10570	10000	3

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 9/12/12

#M10674 12/16/11 3F 3010 LOQ ✓

5% HNO_3
5% HCl

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
B	16	M10775	1000	0.8
Si	200	M9543	1000	10

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 04/12

10675 12/19/11 GG — Hg Working Stds: (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M10563) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

10676 12/19/11 GG — Hg Alt Source Working Std: (0.2% HNO3, HCl)

1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L Into 100ml = 100ug/L Hg

#M10666 12/15/11 GE 3010200 ✓

3010 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

5% HNO_3
5% HCl

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Ag	4	M10210	1000	0.2
Al	36	M10416	10000	0.18
As	24	M10281	1000	1.2
Ba	1.8	M10143	1000	0.09
Be	0.8	M10568	1000	0.08
Ca	100	M10415	10000	0.5
Cd	2	M10278	1000	0.1
Co	4	M10561	1000	0.2
Cr	4	M10239	10000	0.02
Cu	7	M10149	10000	0.035
Fe	100	M10417	10000	0.5
Mg	40	M10418	10000	0.2
Mn	4	M10141	10000	0.02
Mo	7	M10560	1000	0.35
Ni	6	M10565	1000	0.3
Pb	4	M10142	10000	0.02
Sb	12	M10280	1000	0.6
Se	13	M10277	1000	0.65
Tl	15	M10566	1000	0.75
V	5	M10285	1000	0.25
Zn	10	M10284	10000	0.05

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 09/09/12

#M10667 12/15/11 GE Potassium 10,000 ± 30 µg/mL CPI Lot No. 11J155 Expires: 06-09-13

#M10668 12/15/11 GE Magnesium 10,000 ± 30 µg/mL CPI Lot No. 11K178 Expires: 06-09-13

#M10669 12/15/11 GE Calcium 10,000 ± 30 µg/mL CPI Lot No. 11K228 Expires: 06-09-13

#M10670 12/15/11 GE Aluminum 10,000 ± 30 µg/mL CPI Lot No. 11J015 Expires: 06-09-13

#M10671 12/15/11 GE Iron 10,000 ± 30 µg/mL CPI Lot No. 11L009 Expires: 06-09-13

#M10663 12/15/11 SF 3050 LOQ ✓

5% HNO_3
5% HCl

3050 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
Li	14.4	M10547	1000	0.72
Sn	20	M10540	1000	1
Sr	3.2	M10554	1000	0.16
Tl	9.6	M10709	1000	0.48
W	24	M10554	1000	1.2

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 08/12

#M10664 12/15/11 SF 3050 LOQ ✓

5% HNO_3
5% HCl

3050 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
K	2640	M10554	10000	13.2
Na	960	M10570	10000	4.8

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 01/22/13

#M10665 12/15/11 SF 3050 LOQ ✓

5% HNO_3
5% HCl

3050 LOQ Spiking Solution
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	LOQ (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L
B	52	M10739	1000	2.6
Si	182	M4545	1000	9.6

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

Expires: 04/12

#M10626 11-21-11 GAE — Hg CCV (0.2% HNO3, HCl): 1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg; 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg; 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M10627 11-21-11 GAE — Hg MRL: (0.2% HNO3, HCl): 0.2ml of 100ug/L Hg (#M10624) into 100ml = 0.2ug/L Hg

#M10628 11-21-11 GAE — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 536)

#M10629 11-21-11 GAE — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10326 (a)) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10630 11-28-11 GAE — GFAA LOD/LOQ Water Spike Working Standard: Into a 100mL vol. flask, partially filled with D.I. H2O, pipet the following and bring up to volume with D.I. H2O. (1% HNO3) Exp. 09-09-12

- 1.5mL Sb (1,000 mg/L) #M10280 = 15,000 pg/L Sb
- 1.0mL As (1,000 mg/L) #M10281 = 10,000 pg/L As
- 2.0mL Se (1,000 mg/L) #M10277 = 20,000 pg/L Se
- 0.045mL Pb (10,000 mg/L) #M10142 = 4500 pg/L Pb
- 0.4mL Tl (1,000 mg/L) #M10566 = 4000 pg/L Tl
- ~~1.0mL Ag (1,000 mg/L) #M~~ = 10,000 pg/L Ag
- 0.1mL Ag (1,000 mg/L) #M10310 = 1,000 pg/L Ag

#M10631 11-28-11 GAE — GFAA LOD/LOQ Water Spiking Solution: Into a 1L vol. flask, pipet 10mL of #M10630 and bring up to volume with D.I. H2O. (1% HNO3) Exp. 09-09-12

#M10632 11/29/11 SF — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M10633 11/29/11 SF — Hg Alt Source Working Std: (0.2% HNO3, HCl): 1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg; 1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M10634 11/29/11 SF — Hg ICV / LCSW (0.2% HNO3, HCl): 3.0ml of 100ug/L Hg (#M10633) into 100ml = 3.0ug/L Hg

#M10635 11/29/11 SF — Hg CCV (0.2% HNO3, HCl): 1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg; 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg; 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M10636 11/29/11 SF — Hg MRL: (0.2% HNO3, HCl): 0.2ml of 100ug/L Hg (#M10633) into 100ml = 0.2ug/L Hg

#M10637 11/29/11 SF — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 536).

#M10638 11/29/11 SF — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10326 (a)) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10617
ICSAB, NAK. Into 500 ml Vol flask pipet 50 mls #M10550
11-16-11 15 mls #M10417, 5 mls #M10570 + 5 mls. #M10387.
.5% HCL+HNO3 Bring up to Mark with DI H_2O. ex 10/12

#M10618 Working Standards for Sodium and Potassium; into seven, 200 ml volumetric flasks
11-16-11 pipette from #M10315 and #M10313.
.5% HCL+HNO3

For the 0.5 mg/L std– 0.1 mls of each
1.0 mg/L std – 0.2 mls of each
5.0 mg/L std – 1.0 mls of each
10.0 mg/L std – 2.0 mls of each
50.0 mg/L std - 10.0 mls of each
100 mg/L std -20.0 mls each also used for Continuing Calibration Standard (CCV)
200 mg/L std -40.0 mls of each
Bring up to mark with DI H2O. expires December 2012.

#M10619
11-16-11
.5% mls HNO3+HCl
11-16-11

Initial Calibration Standard (ICV) Into 500 ml volumetric pipette 5 mls of #M10570 and #M10387 and bring up to mark with DI H2O. expires January 2013.

#M10620 ICSAB. List 2. Into 500 ml Vol flask pipet 50 mls
11-16-11 #M10550 15mls M10417 0.2mls of #M10566,
5 mls HNO3+HCl #M10567 #M10567 #M10559 #M10569 Bring up
to Mark with DI H_2O.

#M10621 GK Pd/Mg Matrix Modifier: Into a 50mL vol. flask, pipet 15mL #M10032
11-17-11 and 5mL #M10551. Bring up to volume with
MilliQ H_2O. Exp. 01-06-12

#M10622 Spex Custom Assurance Std Spex CertiPrep lot # 16-19CR.
11-18-11

#M10623 GK Hg Working Stds: (0.2% HNO3, HCl)
11-21-11
1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M10624 GK Hg Alt Source Working Std: (0.2% HNO3, HCl)
11-21-11
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M10625 GK Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M10624) into 100ml = 3.0ug/L Hg

#M106608 MRL Working Std.
11-16-11 — pipet from #10607 10 mls into 500ml
.5% HNO3+HCl Vol flask. Bring up to mark with DI H_2O

#M106609
11-16-11
.5% HNO3+HCl

ICAP Working Standards List 2

.5% HNO3 .5%HCL

Standard name — Pipet the following respectively: Into 1 liter.

1	0.01 mls of #M10334 and .001mls #M10559 = 1 ug/L
10	0.10 mls of #M10334 and .01mls #M10559 = 10 ug/L
100	1 mls of #M10334 and 0.1mls #M10559 = 100 ug/L
1000	10 mls of #M10334 and 1.0mls #M10559 = 1000 ug/L
10000	100 mls of #M10334 and 10mls #M10559 = 10000 ug/L ox 6/12

#M106610
11-16-11

Initial Calibration Standard (ICV) List 2
Into 1 liter vol flak pipet 1 ml of #M10569,M10562,M10567,M10566, and M9930
bring up to mark with DI H2O ex 6/12

#M106611
11-16-11

Continuing Calibration Standard (CCV)
into 1 liter vol flask pipet 10 mls of #M10334 and 1.0mls #M10559 = 1000 ug/L
bring up to mark with DI H20 ex 6-12

#M106612
11-16-11

ICAP Working Standards Boron & Silicon

Standard name — Into 1 liter Pipet the following respectively:

10	0.1 mls of #M10334 and .01mls #M99150 = 10 ug/L
50	0.5 mls of #M10334 and .05mls #M99150 = 50 ug/L
100	1 mls of #M10334 and 0.1mls #M99150 = 100 ug/L
1000	10 mls of #M10334 and 1.0mls #M99150 = 1000 ug/L
10000	100 mls of #M10334 and 10mls #M99150 = 10000 ug/L ox 6/12

#M106613
11-16-11

Initial Calibration Standard (ICV) B, Si
Into 1 liter vol flak pipet 1 ml of #M10564 & M10575
bring up to mark with DI H2O ex ~~6/12~~ 5/12
11-16-11

#M106614
11-16-11

Continuing Calibration Standard (CCV)
into 1 liter vol flask pipet 10 mls of #M10334 and 1.0mls #M99150 = 1000 ug/L
bring up to mark with DI H20 ex 6-12

#M106615
11-16-11
5% HNO3+HCl

ICSA Into 500 ml vol-flask pipet 50mls #M10550 and 15mls #M10477 Bring up to mark with DI H_2O. ox 10/12. ~~+0.5mls #M99150.~~

#M106616
11-16-11
.5% HNO3+HCl

ICSAB. Into 500ml vol flask pipet 50mls #M10550 +15mls #M10477 2.5mls #M10334 & 2.5mls M10470. Bring up to mark with H_2O ox 6/12 0.5mls #M99150

M10604
11-16-11
JA

Continuing Calibration Standard 1(CCV1) .5% HNO3 , 5% HCL

Into a one liter volmetric flask pipet 50mls of # M10334 (ex 6/12)
and 5 ml of #M10310 Ag (ex 12/12), #M10568 Be 4/13) and #M10278 Cd (ex 11/12).
ex.nov 6/12
Bring up to mark with DI H2O

M10605
11-16-11
JA

Continuing Calibration Standard 2(CCV2) 5% HNO3 + HCL

Into a one liter volmetric flask pipet 5 mls of # M10334 (ex 6/12)
and 0.5 ml of #M10310 Ag (ex 12/12), #M10568 Be 4/13) and #M10278 Cd (ex 11/12).
ex.nov 6/12
Bring up to mark with DI H2O

#M 10606
11-16-11
JA

Initial Calibration Standard (ICV)
Into one liter volumetric flask pipet 10 mls of M10503 (ex 9/12)
2.0 mls of #m10550 (ex 10/12) and 0.5 mls #M10560 Mo (ex 4/13) and 0.5 mls
of #M10275 B (ex 11/12) bring up to mark with DI H2O ex 4/12

3: 536)

(# M10326 (a)) in

#M10607
11-16-11
JA

MRL Std
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

pipet 1.14ml
#M10538
Mix

5% HNO3
&
HCL

Analyte	MRL (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L	Expiration Date
Ag	10	M10310	1000	0.5	12/08/12
Al	400	M10416	**10000**	2	02/10/13
Ba	10	M10143	1000	0.5	09/09/12
Be	4	M10568	1000	0.2	04/20/13
Cd	5	M10278	1000	0.25	11/25/12
Co	10	M10561	1000	0.5	04/20/13
Cr	10	M10139	**10000**	0.05	09/09/12
Cu	10	M10144	**10000**	0.05	09/09/12
Mg	500	M10418	**10000**	2.5	02/10/13
Mn	10	M10141	**10000**	0.05	09/09/12
Mo	10	M10560	1000	0.5	04/20/13
Ni	10	M10565	1000	0.5	04/20/13
Pb	10	M10142	**10000**	0.05	09/09/12
Sb	20	M10280	1000	1	11/25/12
V	10	M10285	1000	0.5	11/25/12
Zn	10	M10284	**10000**	0.05	11/25/12
K	5000	M10387	**10000**	25	01/22/13
Na	1000	M10570	**10000**	5	04/20/13
As	10	M10281	1000	0.5	11/25/12
Ca	500	M10415	**10000**	2.5	02/10/13
Fe	300	M10417	**10000**	1.5	02/10/13
Se	10	M10277	1000	0.5	11/25/12
Tl	20	M10566	1000	1	04/20/13
Sr	10	M10569	1000	0.5	04/20/13
Ti	10	M10566	1000	0.5	04/20/13
Li	20	M10567	1000	1	04/20/13
Sn	10	M10562	1000	0.5	04/20/13
B	10	M10275	1000	0.5	11/25/12
Si	30	M10564	1000	1.5	04/20/13
W	50	M10559	1000	2.5	04/20/13

= 1000 ug/L std

),

2/13)

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard

Bring up to mark w/ DI H2O

#M10596 11/11/11 SF — Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

#M10596 11/11/11 SF — Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

#M10597 11/11/11 SF — Hg ICV / LCSW (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 10596) into 100ml = 3.0ug/L Hg

#M10598 11/11/11 SF — Hg CCV (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg

#M10599 11/11/11 SF — Hg MRL: (0.2% HNO3, HCl)
0.2ml of 100ug/L Hg (#M 10596) into 100ml = 0.2ug/L Hg

#M10600 11/11/11 SF — Hg Aqua Regia Reagent:
"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 536)

#M10601 11/11/11 SF — Stannous Chloride Reagent:
Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10602 11/14/11: TCLP Extraction Fluid #1 Into 20 L Carboy pipet
Glacial Acetic Acid #AB-534, + 128.6 mL
ex 11-14-12 10N NaOH Dilute to 20L with DI H2O and
pH = 4.93 ± .05.

#M10603 11-16-11 DoD Cal Stds

ICAP Working Standards

.5% HNO3 .5%HCL

ex 6/12

Standerd name	Pipet the following respectively:
0.25	0.25 mls of standard 100 ug/L into 1000 ml volumetric flask = 0.25 ug/L std
0.5	0.50 mls of standard 100 ug/L into 1000ml volumentric flask= 0.50 ug/L std
1	1.0 mls of standard 100ug/L into 1000 ml volumentrc flask =1.00 ug/L std
5	5.0 mls of standard 100ug/L into 1000 ml volumentrc flask =5.00 ug/L std
10	10.0 mls of standard 100ug/L into 1000 ml volumentrc flask =10.0 ug/L std
20	20.0 mls of standard 100ug/L into 1000 ml volumentrc flask =20.0 ug/L std
50	50.0 mls of standard 100ug/L into 1000 ml volumentrc flask =50.0 ug/L std
100	1.0 mls of #M10334(ex 6/12) and 1.0 mls of #M10470 (ex 09/12) into 1000 ml volumectric flask= 100 ug/L std
1000	10.0 mls of #M10334(ex 6/12) and 1.0 ml of #M10310 Ag, #M10568 Be,#M10278 Cd and #M10584 Si into 1000 ml volumetric flask= 1000 ug/L
10,000	100 mls #M10334 (ex 6/12),10 mls #M10568 Be (ex 4/13),10 mls #M10278 Cd (ex 11/12)
100k	10 mls of #M10144 Cu (ex 9/12) , 10 mls of #M10141 Mn (ex 9/12) , 10 mls of #M10139 Cr (ex 9/12), 10 mls #M10142 Pb (ex 9/12)
	10 mls #M10284 Zn (ex 11/12) = 100,000 ug/L
100,000	10 mls of #M10418 Mg (ex 02/13) , 10 mls of #M10417 Fe (ex 02/13) ,10 mls of #M10415 Ca (ex 2/13),10 mls #M10416 AL (ex 2/13)
	10 mls #M10570 Na (ex 4/13) into 1000 ml vol flask = 100,000 ug/l std
500,000	50 mls of #M10418 Mg (ex 4/13) , 50 mls of #M10417 Fe (ex 02/13) ,50 mls of #M10415 Ca (ex 2/13), 50 mls #M10416 AL (ex 2/13)
	into 1000 ml vol flask = 500,000 ug/l std
1000k	100 mls of #M10418 Mg (ex 02/13) , 100 mls of #M10417 Fe (ex 2/13) ,100 mls of #M10415 Ca (ex 2/13),100 mls #M10416 AL (ex 2/13)
	into 1000 ml vol flask = 1,000,000 ug/l std
	Bring the 1000 ml volumetric up to mark with DI H2O

#M10604 11-16-11 24

#M10605 11-16-11 24

#M10606 11-16-11 24

#M10607 11-16-11 24

#M10608 11-16-11 24

#M10565 10-28-11 Nickel 1000mg/L CPI Lot # HG015 ex 4/13
ZA

#M10566 10-28-11 Thallium 1000 mg/L CPI lot # IIF194 ex 4/13
ZA

#M10567 10-28-11 Lithium 1000mg/L CPI Lot # IIE088 ex 4/13
ZA

#M10568 10-28-11 Beryllium 1000 mg/L CPI Lot #IIF239 ex 4/13
ZA

#M10569 10-28-11 Strontium 1000 mg/L CPI Lot # IID191 4/13
ZA

#M10570 10-28-11 Na 10,000 mg/L CPI Lot # 11103204/13
ZA

#M10571 10-28-11 NaOH Fisher Lot # 112665 ex 10-28-12
ZA

#M10572 Stannous Chloride fisher lot # 113509 ex 10-28-12
ZA 10-28-11

#M10573 10-28-11 Potassium Persulfate Lot # 111346 ex 10-28-12
ZA

#M10574 11/01/11 SF Potassium permanganate: 50g Potassium permanganate (#M9903) dissolved into 1000mL D.I. H2O. Exp: 05/01/12

#M10575 11/01/11 SF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10576 11/01/11 SF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10577 11/01/11 SF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 10576) into 100ml = 3.0ug/L Hg
#M10578 11/01/11 SF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10579 11/01/11 SF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10576) into 100ml = 0.2ug/L Hg
#M10580 11/07/11 SF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 536)
#M10591 11/01/11 SF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M10326) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10549 TCLP Extraction fluid #1 Into 20 Liter Carboy, pipet 114 ml
JA Glacial Acetic Acid (AB: 534) and 128.6 mls 10N. NaOH #M10538
10-26-11 Dilute to 20L with DI H_2O & mix. PH= 4.93 ± 0.05.

43-2AS
#M10550 - IN1-A. Spex Certiprep Lot# ~~1-1617MG~~ exp Oct 3, 2012
JA 10-26-11 JA 10-26-11

#M10551 Magnesium Nitrate Matrix Modifier Soln. 20,000 mg/L Mg
JA 10-26-11 Spex Certiprep Lot # 1-1609MG2.

#M10552 10/26/11 GE	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10553 10/26/11 GE	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10554 10/26/11 GE	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10553) into 100ml = 3.0ug/L Hg
#M10555 10/26/11 GE	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10556 10/26/11 GE	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M10553) into 100ml = 0.2ug/L Hg
#M10557 10/26/11 GE	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 536)
#M10558 10/26/11 GE	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10326 (a)) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10559 10-28-11 Tungsten 1000 mg/L CPI Lot# 11E122 exp 4/13
JA

#M10560 10-28-11 Molybdenum 1000 mg/L CPI Lot # 101090 exp 4/13
JA

#M10561 10-28-11 Cobalt 1000 mg/L CPI lot # 11H211 exp 4/13
JA

#M10562 10-28-11 Tin 1000 mg/L CPI Lot# 11E120 exp 4/13
JA

#M10563 10-28-11 Hg 1000 mg/L CPI Lot# 11J054 exp 4/13
JA

#M10564 10-28-11 Si 1000 mg/L CPI Lot# 11F032 exp 4/13

#M10493 09/23/11 GE	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
4ml L 2.7 H_2O. #M10494 09/23/11 GE	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
up to #M10495 09/23/11 GE 09/23/11 GE #M10497 09/23/11 GE	Hg ICV / LCSW (0.2% HNO3, HCl) Hg CCV (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 10494) into 100ml = 3.0ug/L Hg 1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
09/23/11 GE #M10496 09/23/11 GE 09/23/11 GE #M10499 09/23/11 GE 09/23/11 GE #M10498 09/23/11 GE	Hg MRL: (0.2% HNO3, HCl) Hg Aqua Regia Reagent: Stannous Chloride Reagent:	0.2ml of 100ug/L Hg (#M 10494) into 100ml = 0.2ug/L Hg "Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 536) Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10326 (a)) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10500 09/23/11 GE — Turbidity Working Standards: Into 20mls pipet from #M10200 (200 NTU) 09/23/11 GE
Gel Ex Stds.
3.88 — 2.0 mL into 18 mL D.I. H_2O = 20 NTU
50.7 — 10 mL into 10 mL D.I. H_2O = 100 NTU
521 — 20 mL into 0 mL D.I. H_2O = 200 NTU
(Exp. Sep-12)

#M10501 09/26/11 GE — NaCl Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9574(CE)) and 60g Hydroxylamine Sulfate (#M10210) in 500mL M.Q H_2O. Exp. 03-26-12

#M10502 09/28/11 AMA — Potassium Permanganate - 50g Potassium Permanganate (#M9903) dissolved into 1000mL of D.I. H_2O. Exp. 03/28/12

#M10503 9-30-11 — Customer Assurance Std SPex CertiPrep lot #9-84CR ex. Sept 30 2012.

#M10504 A 9-30-11 — (Fisher) Hydroxylamine Sulfate lot # 111789 ex. 9-30-12.

#M10505 10/03/11 AMA — TCLP Extraction Fluid #1 - Fill a 20L carboy with 19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB: 534) and 128.6mL 10N NaOH (#M10296). Dilute to 20L with D.I. H_2O and mix. The pH = 4.93 ± 0.05. Exp. 10/03/12

#M10469 09/07/11 XSPIKE-1-250 Spex CertiPrep Lot No. 4-42YP Exp. 09-15-2012
GLE

#M10470 09/07/11 XCTWI-4-500 Spex CertiPrep Lot No. 4-41YP Exp. 09-15-2012
GLE

#M10471 09/08/11 GFAA LOD/LOQ Water Spiking Sol'n: Into a 1 L vol. flask, pipet 10mL of
GLE (1% HNO_3) #M10286 and 1mL #M10472
Expires 11-15-11

#M10472 09/08/11 GFAA Ag Working Std. Into a 100mL vol. flask, partially filled with D.I.
GLE (1% HNO_3) H_2O, pipet the following and bring up to volume
Exp. 12-08-12 with D.I. H_2O.
1.0mL Ag (1000 mg/L) #M10310 = 10,000 µg/L Ag

#M10473 09/08/11 GFAA LOD/LOQ Soil Spiking Sol'n: Into a 1 L vol. flask, pipet 10mL of
GLE Exp. 11-15-11 #M10289 and 0.6mL #M10472. Bring
(1% HNO_3) up to volume with D.I. H_2O.

#M10474 09/12/11 AMA	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10475 09/12/11 AMA	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10476 09/12/11 AMA	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10475) into 100ml = 3.0ug/L Hg
#M10477 09/12/11 AMA	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10478 09/12/11 AMA	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M10475) into 100ml = 0.2ug/L Hg
#M10479 09/12/11 AMA	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 537) with 1part HNO3 (AB: 536)
#M10480 09/12/11 AMA	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10326 (a)) in 70 mL HCl (AB: 537). Bring up to volume with D.I. Water.

#M10481 09/12/11 Hg LOQ/LOD Spiking Soln (water) - 1.0mL of 1000mg/L Hg (#M9954) into 100mL = 10mg/L Hg
AMA 1.0mL of 10mg/L Hg into 100mL = 100µg/L Hg
5.0mL of 100µg/L Hg into 100mL = 5.0µg/L Hg

#M104661
9-6-11. JH

ICAP Working Standards

5% HNO3 5%HCL

Standard name	Pipet the following respectively:
0.25	0.25 mls of standard 100 ug/L into 1000 ml volumetric flask = 0.25 ug/L std
0.5	0.50 mls of standard 100 ug/L into 1000ml volumentric flask= 0.50 ug/L std
1	1.0 mls of standard 100ug/L into 1000 ml volumentrc flask =1.00 ug/L std
5	5.0 mls of standard 100ug/L into 1000 ml volumentrc flask =5.00 ug/L std
10	10.0 mls of standard 100ug/L into 1000 ml volumentrc flask =10.0 ug/L std
20	20.0 mls of standerd 100ug/L into 1000 ml volumentrc flask =20.0 ug/L std
50	50.0 mls of standard 100ug/L into 1000 ml volumentrc flask =50.0 ug/L std
100	1.0 mls of #M10334(ex 6/12) and 1.0 mls of #M9816 (ex 8/11) into 1000 ml volumectric flask= 100 ug/L std
~~500~~	~~5.0 mls of #M10334(ex 6/12) and 5.0 mls of #M9940 (ex 8/11) into 1000 ml volumetric flask= 500 ug/L std~~ # 9-6-11
1000	10.0 mls of #M10334(ex 6/12) and 1.0 ml of #M10310 Ag,#M9930 Be,#10278 Cd and #M9915 Si into 1000 ml volumetric flask= 1000 ug/L std
10,000	100 mls #M10334 (ex 6/12),10 mls #M9930 Be ex (11/15/11),10 mls #M10278 Cd ex 11/25/11
100k	10 mls of #M10144 (Cu) (ex 9/12) , 10 mls of #M10141 (Mn)(ex 9/12) , 10 mls of #M10139 (Cr)(ex 9/12), 10 mls #M10142 (Pb)(ex 9/12) 10 mls #M10284 (Zn)(ex 11/12) = 100,000 ug/L
100,000	10 mls of #M10312 (Mg) (ex 12/12) , 10 mls of #M10417 (Fe) (ex 02/13) ,10 mls of #M10415 (Ca)(ex 2/13),10 mls #M10416 (AL)(ex 2/13) 10 mls #M9932 Na ex 11/15/11 into 1000 ml vol flask = 100,000 ug/l std
500,000	50 mls of #M10312 (Mg) (ex 12/12) , 50 mls of #M10417 (Fe) (ex 02/13) ,50 mls of #M10415 (Ca)(ex 2/13),50 mls #M10416 (AL)(ex 2/13) into 1000 ml vol flask = 500,000 ug/l std
1000k	100 mls of #M10312 (Mg) (ex 12/12) , 100 mls of #M10417 (Fe) (ex 2/13) ,100 mls of #M10415 (Ca)(ex 2/13),100 mls #M10416 (AL)(ex 2/13) into 1000 ml vol flask = 1,000,000 ug/l std
	Bring the 1000 ml volumetric up to mark with DI H2O

#M10462 09/06/11 GE — NaCl Hydroxylamine Sulfate Reagent: Dissolve (eog NaCl (#M9574) and 6eg Hydroxylamine Sulfate (#M10210) in 500mL DI H2O
Exp: 03/06/12

#M10463 09/06/11 GE — Potassium Persulfate: 5og Potassium Persulfate (#M9814) dissolve in 1000 mL D.I. H2O.
Exp: 03/06/12

#M10465 09/07/11 GE — GFAA Base Std (25µg/L) 18% HNO3 6% HCL — Pipet 5.0mL of 1000µg/L Sb (#M10184) into a 200mL vol. flask and bring up to volume with MilliQ H2O
Exp. 04-01-12

#M10466 09/07/11 GE — GFAA Alt. Source (10µg/L) 18% HNO3 6% HCL — Pipet 10mL of 200µg/L Sb (#M10185) into a 200mL vol. flask and bring up to volume with MilliQ H2O
Exp. 04-01-12.

#M10467 09/07/11 GE — GFAA CCV Std. (10µg/L) 18% HNO3 6% HCL — Pipet 2mL of 1000µg/L Sb (#M10184) into a 200mL vol. flask and bring up to volume with MilliQ H2O. Exp. 04-01-12

#M10468 09/07/11 GE — GFAA Sb MDL ✓ 18% HNO3 6% HCL — Pipet 4mL of 10µg/L Sb (#M10467) into a 50mL vol. flask and bring up to volume with MilliQ H2O. Exp. 04-01-12

#M10418 08/16/11 Mg 10,000 µg/mL, CPI International Lot No. 11G018, Exp. 02-10-13 GAE

#M10419 08/17/11 SPLP Extraction Fluid #1: Into a 20L carboy, add D.I. H_2O to mark and adjust pH to 4.20±0.05 with #M10068 GAE

#M10420 08/18/11 SPLP Extraction Fluid #1: Into a 20L carboy, add D.I. H_2O to mark and adjust pH to 4.20±0.05 with #M10068 GAE

#M10421 08/21/11 TCLP Extraction Fluid #1: Fill a 20L carboy with 8L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB. 534) and 128.6mL 10N NaOH (#M10296). Dilute to 20L with D.I. H_2O and mix. pH=4.93±0.05. Exp. 08/21/12 GAE

#M10422 08/22/11 ISE NaCl Hydroxylamine Sulfate reagent: Dissolve 60g NaCl (#M9574) and 60g Hydroxylamine Sulfate (#M10210) in 500mL milli-Q H_2O. Exp: 02/22/12

#M10423 08/22/11 ISE	Hg Working Stds: (0.2% HNO_3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10424 08/22/11 ISE	Hg Alt Source Working Std: (0.2% HNO_3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10425 08/22/11 ISE	Hg ICV / LCSW (0.2% HNO_3, HCl)	3.0ml of 100ug/L Hg (#M10424) into 100ml = 3.0ug/L Hg
#M10426 08/22/11 ISE	Hg CCV (0.2% HNO_3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10427 08/22/11 ISE	Hg MRL: (0.2% HNO_3, HCl)	0.2ml of 100ug/L Hg (#M10424) into 100ml = 0.2ug/L Hg
#M10428 08/22/11 ISE	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 532) with 1part HNO_3 (AB: 533)
#M10429 08/22/11 ISE	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (#M10326 (e)) in 70 mL HCl (AB: 532). Bring up to volume with D.I. Water.

#M10430 8/24/11 ISE TCLP Extraction Fluid #1: Fill a 20L carboy with 18L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB. 534) and 128.6mL 10N NaOH (#M10296). Dilute to 20L with D.I. H_2O and mix. pH=4.93±0.05 8/24/11 ISE

Exp: 08/24/12

#M104040 8/08/11 BE	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10326 (a)) in 70 mL HCl (AB: 532). Bring up to volume with D.I. Water.

#M104105 08/08/11 BE Sodium Hydroxylamine Sulfate Reagent: Dissolve 60g NaCl (#M9574a) and 60g Hydroxylamine Sulfate (#M9831) in 500mL milli-Q H_2O.
Exp: 02/08/12

M104106 8-9-11 ZA Environmental Express Y 10,000 mg/L Lot# 1104607
ex Feb 2013

#M104107 08/15/11 BE	Hg Working Stds: (0.2% HNO_3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M104108 08/15/11 BE	Hg Alt Source Working Std: (0.2% HNO_3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M104109 08/15/11 BE	Hg ICV / LCSW (0.2% HNO_3, HCl)	3.0ml of 100ug/L Hg (#M 10408) into 100ml = 3.0ug/L Hg
#M104110 08/15/11 BE	Hg CCV (0.2% HNO_3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M104111 08/15/11 BE	Hg MRL: (0.2% HNO_3, HCl)	0.2ml of 100ug/L Hg (#M 10408) into 100ml = 0.2ug/L Hg
#M104112 08/15/11 BE	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 532) with 1part HNO_3 (AB: 533)
#M104113 08/15/11 BE	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10326 (a)) in 70 mL HCl (AB: 532). Bring up to volume with D.I. Water.

#M104114 08-16-11 GE Turbidity Working Stds; Into 20mL pipet from #M10200 (200 NTU)

Gel Ex Stds	
3.88	2.0mL into 18mL D.I. H_2O = 20 NTU
50.7	10 mL into 10mL D.I. H_2O = 100 NTU
521	20mL into 0mL D.I. H_2O = 200 NTU

(Exp. Sep-12)

#M104115 08-16-11 GE Cu 10,000 µg/mL, CPI International Lot No. 11F031, Exp. 02-10-13

#M104116 08-16-11 GE Al 10,000 µg/mL, CPI International Lot No. 11F262, Exp. 02-10-13

#M104117 08-16-11 GE Fe 10,000 µg/mL, CPI International Lot No. 11F186, Exp. 02-10-13

#M10379 07/26/11 BF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10380 07/26/11 BF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10381 07/26/11 BF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 10380) into 100ml = 3.0ug/L Hg
#M10382 07/26/11 BF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10383 07/26/11 BF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10380) into 100ml = 0.2ug/L Hg
#M10384 07/26/11 BF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 532) with 1part HNO3 (AB: 533)
#M10385 07/26/11 BF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M10326 (a)) in 70 mL HCl (AB: 532). Bring up to volume with D.I. Water.

#M10386 07/27/11 AMA — Tclp Extraction Fluid #1 – Fill a 20L carboy with 19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB-534) and 128.6mL 10N NaOH (#M10043). Dilute to 20L with D.I. H_2O and mix. pH=4.93 ± 0.05. Exp. 07/27/12

#M10387 07/28/11 GE — 10,000 ±30 µg/mL K. CPI International Lot No. 11G005 Expires: 01-22-13

#M10388 07/29/11 BF — Potassium Permanganate Sol'n: 50g potassium permanganate (#M9903) dissolve into 1,000 mL of D.I. H_2O. Exp: 01/29/12

#M10330 6-22-11 5000ug/L CCV1 Into 1 Liter Vol flask pipet 50mls #M10341
1% HNO3 AA #M10064, 5mls #M9930, 5mls #M10278 filling up to mark with
1% HCL DI H2O. ex 11/11.

#M10331 06/22/11 Stannous Chloride Reagent - Into a 1000 mL vol. flask, dissolve 100g Stannous #M10342
GuE Chloride (#M10326a) in 70 mL HCL (AB-532) AMA
Bring up to volume with D.I. H2O. Exp. 12-22-11

#M10332 6-23-11 working stds List 2. Into 5; One Liter Vol flasks pipet
AA Respectfully
1% HCL 1mg/L → .01mls M10064 & .001mls M9925 #M10343
1% HNO3 10ug/L → .1 mls M10064 & .01mls M9925 AMA
100ug/L → 1mls M10064 & .1mls M9925
also CCV → 1000ug/L → 10mls M10064 & 1mls M9925 #M10344
10,000 ug/L → 100mls M10064 & 10mls M9925 AMA
Bring up to Mark with DI H2O ex 11/11. #M10345
AMA

#M10333 AA ICV/LCSW List 2 Into 1 Liter Vol flask pipet 5mls 6-23-11 #M10346
1% HCL 6-23-11 5.0 mls of M9923, M9929, M9926, M10140, M9933. Bring AMA
1% HNO3 up to Mark with DI H2O ex 11/11 #M10347
AMA
#M10348
AMA

#M10334 AA CustomAssurance Std. 100ug/L Spex Lot # 3-61PP. #M10349
6-23-11

#M10335 06/23/11 AMA	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg	**Note: ALL Hg standards made up/prepped on 06/22/11. AMA
#M10336 06/23/11 AMA	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg	
#M10337 06/23/11 AMA	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10336) into 100ml = 3.0ug/L Hg	
#M10338 06/23/11 AMA	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg	
#M10339 06/23/11 AMA	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M10336) into 100ml = 0.2ug/L Hg	
#M10340 06/23/11 AMA	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 532) with 1part HNO3 (AB: 533)	

#M10350 GuE

#M10325 06/16/11 Working standards for Sodium and Potassium: Into 7, 200mL Volumetric flasks, pipet from #M10311 and #M10315.
AMA
2.5% HNO_3
2.5% HCL
- Bring up to mark with D.I. H_2O
- Exp. 12/08/12

for The 0.5mg/L std - 0.1mls each
1.0 mg/L std - 0.2mls each
5.0mg/L std - 1.0mls each
10.0 mg/L std - 2.0mls each
50.0mg/L std - 10.0mls each
100.0 mg/L std - 20mls each, also used for continuing calibration standard (ccv)
200.0 mg/L std - 40.0mls each

#M10326 06-16-11 Tin (II) Chloride Dihydrate Fisher Lot No. 108259
GE

#M10327 06/20/11
AMA
1% HNO_3
1% HCL

MRL Std
Base SPIKE PREPARATION 50x

Into a 1000 mL Volumetric Flask, pipet the following:

Analyte	MRL (ug/L)	Std ID #	Std Conc (mg/L)	Amount (mL) to pipet into 1 L	Expiration Date
Ag	10	M10310	1000	0.5	12/08/12
Al	400	M9866	10000	2	10/15/11
Ba	10	M10143	1000	0.5	09/09/12
Be	4	M9930	1000	0.2	11/15/11
Cd	5	M10278	1000	0.25	11/25/12
Co	10	M9928	1000	0.5	11/15/11
Cr	10	M10139	10000	0.05	09/09/12
Cu	10	M10144	10000	0.05	09/09/12
Mg	500	M10282	10000	2.5	11/25/12
Mn	10	M10141	10000	0.05	09/09/12
Mo	10	M9931	1000	0.5	11/15/11
Ni	10	M9927	1000	0.5	11/15/11
Pb	10	M10142	10000	0.05	09/09/12
Sb	20	M10280	1000	1	11/25/12
V	10	M10285	1000	0.5	11/25/12
Zn	10	M10284	10000	0.05	11/25/12
K	5000	M9863	10000	25	10/15/11
Na	1000	M9932	10000	5	11/15/11
As	10	M10281	1000	0.5	11/25/12
Ca	500	M9865	10000	2.5	10/15/11
Fe	300	M10276	10000	1.5	11/25/12
Se	10	M10277	1000	0.5	11/25/12
Tl	20	M9922	1000	1	11/15/11
Sr	10	M9926	1000	0.5	11/15/11
Ti	10	M9923	1000	0.5	11/15/11
Li	20	M9929	1000	1	11/15/11
Sn	10	M10140	1000	0.5	09/09/12
B	10	M10275	1000	0.5	11/25/12
Si	30	M9956	1000	1.5	11/30/11
W	50	M9924	1000	2.5	11/15/11

Of this Base standard, pipet 10 mls into 500 ml volumetric to create a working std or 1 ml into 50 ml digestion tube for a digested working standard.

#M10328 06/20/11 CCV 2: Jep DoD cal, Into a 1L volumetric flask, pipet 5mLs ~~#M9815~~ #M10064 6/20/11 AMA and
AMA
1% HNO_3
1% HCL
0.5mL #M9815. Bring up to mark with D.I. H_2O.
Exp. 08/30/11

#M10329 06-22-11 ICSAB. into 500ml vol. flask pipet 50mls of M9955, 25mls 10% HNO_3 #M10064, 2.5mls M9815, 5mls M9545, 0.5mls M9933. Bring up to Mark with DI H_2O. ex 8/11.
1% HCL

#M10302 06/13/11 3F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10304 06/13/11 5F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10305 06/13/11 5F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M 10304) into 100ml = 3.0ug/L Hg
#M10306 06/13/11 5F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10307 06/13/11 5F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M 10304) into 100ml = 0.2ug/L Hg
#M10308 06/13/11 5F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 529) with 1part HNO3 (AB: 527)
#M10309 06/13/11 5F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M9785C) in 70 mL HCl (AB: 529). Bring up to volume with D.I. Water.

#M10310 06/15/11 Ag 1000 µg/mL CPI Lot No. 11E160 Exp. 12/08/12
AMA

#M10311 06/15/11 K 1000 µg/mL CPI Lot No. 11D019 Exp. 12/08/12
AMA

#M10312 06/15/11 Mg 10,000 µg/mL CPI Lot No. 11B221 Exp. 12/08/12
AMA

#M10313 06/15/11 K 1000 µg/mL CPI Lot No. 11D019 Exp. 12/08/12
AMA

#M10314 06/15/11 Fe 10,000 µg/mL CPI Lot No. 11C277 Exp. 12/08/12
AMA

#M10315 06/15/11 Na 1000 µg/mL CPI Lot No. 11C114 Exp. 12/08/12
AMA

#M10316 06/15/11 Na 1000 µg/mL CPI Lot No. 11C114 Exp. 12/08/12
AMA

#M10317 c
AMA

#M10318 a
AMA

#M10319 c
AMA

#M10320 c
AMA

#M10283 06/03/11 Na 1,000 µg/mL CPI Lot No. 11C114 Exp. 11/25/12
AMA

#M10284 06/03/11 Zn 10,000 µg/mL CPI Lot No. 11D067 Exp. 11/25/12
AMA

#M10285 06/03/11 V 1,000 µg/mL CPI Lot No. 11B146 Exp. 11/25/12
AMA

#M10286 06/07/11 GFAA LOD/LOQ Water Working Std: Into a 100 mL vol. flask, partially filled with D.I. H_2O, pipet the following and bring up to volume with D.I. H_2O.
GJE (1% HNO_3)
Expires: 11-15-11
1.5 mL Sb (1000 mg/L) #M10280 = 15,000 µg/L Sb
1.0 mL As (1,000 mg/L) #M10281 = 10,000 µg/L As
2.0 mL Se (1,000 mg/L) #M10277 = 20,000 µg/L Se
0.045 mL Pb (10,000 mg/L) #M10142 = 4,500 µg/L Pb
0.4 mL Tl (1,000 mg/L) #M9922 = 4,000 µg/L Tl

#M10287 06/07/11 GFAA LOD/LOQ Water Ag Working Std: Into a 100 mL vol. flask, partially filled with D.I. H_2O, pipet the following and bring up to volume with D.I. H_2O.
GJE (1% HNO_3)
Expires: 06-15-11
1.0 mL Ag (1,000 mg/L) #M9608 = 10,000 µg/L Ag

#M10288 06/07/11 GFAA LOD/LOQ Water Spiking Sol'n: Into a 1 L vol. flask, pipet 10 mL of #M10286 and 1 mL #M10287.
GJE (1% HNO_3)
Expires: 06-15-11 (Ag only)

#M10289 06/07/11 GFAA LOD/LOQ Soil Working Std: Into a 200 mL vol. flask, partially filled with D.I. H_2O, pipet the following and bring up to volume with D.I. H_2O.
GJE (1% HNO_3)
Expires: 11-15-11
1.2 mL Sb (1000 mg/L) #M10280 = 6,000 µg/L Sb
3.2 mL As (1000 mg/L) #M10281 = 16,000 µg/L As
3.2 mL Se (1,000 mg/L) #M10277 = 16,000 µg/L Se
0.08 mL Pb (10,000 mg/L) #M10142 = 4,000 µg/L Pb
1.0 mL Tl (1,000 mg/L) #M9922 = 5,000 µg/L Tl

#M10290 06/07/11 GFAA LOD/LOQ Soil Ag Working Std: Into a 200 mL vol. flask, partially filled with D.I. H_2O, pipet the following and bring up to volume with D.I. H_2O.
GJE (1% HNO_3)
Expires: 06-15-11
1.2 mL Ag (1000 mg/L) #M9608 = 6,000 µg/L Ag

#M10291 06/07/11 GFAA LOD/LOQ Soil Spiking Sol'n: Into a 1 L vol. flask, pipet 10 mL of #M10289 and 1 mL #M10290. Bring up to volume with D.I. H_2O.
GJE Expires: 06-15-11 (Ag only)
(1% HNO_3)

#M10269 05/27/11 Hg Aqua Regia Reagent: "carefully" in hood, mix 3 parts HCL (AB:532) with 1 part HNO_3 (AB:533).
AMA

#M10270 05/27/11 Stannous chloride Reagent: Into a 1000mL volumetric flask, dissolve 100g Stannous chloride (#M9785F) in 70mL HCL (AB:532). Bring up to volume with D.I. H_2O.
AMA

#M10271 05/27/11 GF Potassium Persulfate: 50g potassium persulfate (#M9897) dissolved into 1000mL D.I. H_2O Exp: 10-27-11

#M10272 05/31/11 SF Potassium Permanganate sol'n: 50g potassium permanganate (#M9903) dissolved into 1000mL of D.I. H_2O. Exp: 11/31/11

#M10273 06/03/11 AMCO clear Turbidity standard 2.0 NTU Lot NO. C141288 Expires 05/2012
AMA

#M10274 06/03/11 Custom Assurance Standard 20,000mg/L Ca, 10,000mg/L Mg, Na SPEX certiPrep Lot NO. 3-30YP Exp. 05/30/2012
AMA

#M10275 06/03/11 B 1,000µg/mL CPI Lot NO. 11C049 Exp. 11/25/12
AMA

#M10276 06/03/11 Fe 10,000µg/mL CPI Lot NO. 11C277 Exp. 11/25/12
AMA

#M10277 06/03/11 Se 1,000µg/mL CPI Lot NO. 10L065 Exp. 11/25/12
AMA

#M10278 06/03/11 Cd 1,000µg/mL CPI Lot NO. 11B116 Exp. 11/25/12
AMA

#M10279 06/03/11 K 1,000µg/mL CPI Lot NO. 11D019 Exp. 11/25/12
AMA

#M10280 06/03/11 Sb 1,000µg/mL CPI Lot NO. 10K242 Exp. 11/25/12
AMA

#M10281 06/03/11 As 1,000µg/mL CPI Lot NO. 11E058 Exp. 11/25/12
AMA

#M10282 06/03/11 Mg 10,000µg/mL CPI Lot NO. 11B035 Exp. 11/25/12
AMA

#M10283 06/
AMA

#M10284 06/0
AMA

#M10285 06/0
AMA

#M10286 06/0
GVE

#M10287 06/
GVE

#M10288 0
GVE

#M10289 06/0
GVE

#M10290 0
GVE

#M10291 0
GVE

#M10240 05/10/11 TCLP Extraction Fluid #1: Fill a 20L carboy with 19L D.I. H_2O. Add 114mL Glacial
GVE Exp. 05-10-12 Acetic Acid (AB-516) and 128.6mL 10N NaOH (#M10043).
Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05

#M10241 05/11/11 Stannous Chloride, Ricca Chemical Company Lot No. 1104175
GVE Exp. April 2013

#M10242 05/13/11 Potassium Persulfate: 50g Potassium persulfate (#M9814) dissolved into
L3F 1000mL D.I. H_2O.
Exp. 11/13/11

#M10243 05/13/11 L3F	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10244 05/13/11 L3F	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10245 05/13/11 L3F	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10244) into 100ml = 3.0ug/L Hg
#M10246 05/13/11 L3F	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10247 05/13/11 L3F	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M10244) into 100ml = 0.2ug/L Hg
#M10248 05/13/11 L3F	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 529) with 1part HNO3 (AB: 527)
#M10249 05/13/11 L3F	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M9785C) in 70 mL HCl (AB: 529). Bring up to volume with D.I. Water.

#M10250 05/16/11 Potassium Permanganate soln – 50g Potassium Permanganate (#M9903)
AmA dissolved into 1000mL D.I. H_2O. Exp. 11/16/11

#M10251 05/16/11 NaCl Hydroxylamine Sulfate Reagent – Dissolve 60g NaCl (#M9574b) and
AmA 60g Hydroxylamine Sulfate (#M10210)
in 500mL Milli-Q H_2O. Exp. 11/16/11

#M10252 05/18/11 TCLP Extraction fluid #1: Fill a 20L carboy with 19L D.I. H_2O. Add 114mL Glacial
AmA Acetic Acid (AB-534) and 128.6mL 10N NaOH (#M10043).
Dilute to 20L with D.I. H_2O and mix. pH = 4.93 ± 0.05

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#M10225 05/02/11 LSF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10226 05/02/11 LSF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10227 05/02/11 LSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10226) into 100ml = 3.0ug/L Hg
#M10228 05/02/11 LSF	Hg CCV: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10229 05/02/11 LSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M10226) into 100ml = 0.2ug/L Hg
#M10230 05/02/11 LSF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 529) with 1part HNO3 (AB: 527)
#M10231 05/02/11 LSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M9785C) in 70 mL HCl (AB: 529). Bring up to volume with D.I. Water.

#M10232 05/06/11 : Custom Assurance Standard 20,000 mg/L Ca, 10000 mg/L Mg, Na
GAE Spex CertiPrep Lot No. 2-176YP Exp. 04-30-12

#M10233 05/09/11 LSF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10234 05/09/11 LSF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10235 05/09/11 LSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10234) into 100ml = 3.0ug/L Hg
#M10236 05/09/11 LSF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10237 05/09/11 LSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M10234) into 100ml = 0.2ug/L Hg
#M10238 05/09/11 LSF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 529) with 1part HNO3 (AB: 527)
#M10239 05/09/11 LSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M9785C) in 70 mL HCl (AB: 529). Bring up to volume with D.I. Water.

#M10196 04/12/11 AmA — Hg Aqua Regia Reagent: "Carefully" in hood, mix 3 parts HCl (AB: 524) with 1part HNO3 (AB: 527)

#M10197 04/12/11 AmA — Stannous Chloride Reagent: Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M9785D) in 70 mL HCl (AB: 524). Bring up to volume with D.I. Water. C 04/12/11 AmA

#M10198 04/12/11 AmA — Potassium Permanganate soln – 50g Potassium Permanganate (#M8969) dissolved into 1000mL D.I. H_2O. Exp. 10/12/11

#M10199 04/12/11 AmA — NaCl Hydroxylamine Sulfate ~~Soln~~ 04/12/11 AmA Reagent – Dissolve 60g NaCl (#M9574(A)) and 60g Hydroxylamine Sulfate (#M9831) in 500mL Milli-Q H_2O. Exp. 10/12/11

#M10200 04/13/11 GAE — Hach StablCal Std 200 NTU Lot No. A0260 Exp. Sep-12

#M10201 04/13/11 GAE — Turbidity Working Stds: Into 20 mL's pipet from #M10200 (200 NTU)

Gel Ex Stds:

4.31	2.0mL into 18mL D.I. H_2O = 20 NTU
51.1	10mL into 10mL D.I. H_2O = 100 NTU
522	20mL into 0mL D.I. H_2O = 200 NTU
	(Exp. Sep-12)

#M10202 04/14/11 GAE — TCLP Extraction Fluid #1: Fill a 20 L carboy with 19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB-516) and 128.6mL 10N NaOH (#M10043), Dilute to 20L with D.I. H_2O & mix, pH = 4.93 ± 0.05 Exp. 04/14/12

#M10131 03/14/11 LSF	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M10132 03/14/11 LSF	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M10133 03/14/11 LSF	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M10132) into 100ml = 3.0ug/L Hg
#M10134 03/14/11 LSF	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9954) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M10135 03/14/11 LSF	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M10132) into 100ml = 0.2ug/L Hg
#M10136 03/14/11 LSF	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 521) with 1part HNO3 (AB: 525)
#M10137 03/14/11 LSF	Stannous Chloride Reagent:	Into a 1000 mL volumetric flask, dissolve 100g Stannous Chloride (# M9785D) in 70 mL (AB-521). Bring up to volume with D.I. Water.

#M10138 3-17-11 ICV/LCSW (DOD cal) Ondo 1 Liter vol flask. pipet 1oml of #M10065, 3ml of #M9955, 0.5ml of #M9931 Bring up to mark with DI H_2O. exp NOV 2011.
TA

#M10139 03/21/11 Cr 10,000 µg/mL CPI Lot No. 10E013 Exp. 09-09-12
GLE

#M10140 03/21/11 Sn 1,000 µg/mL CPI Lot No. 10K034 Exp. 09-09-12
GLE

#M10141 03/21/11 Mn 10,000 µg/mL CPI Lot No. 11A002 Exp. 09-09-12
GLE

#M10142 03/21/11 Pb 10,000 µg/mL CPI Lot No. 10D176 Exp. 09-09-12
GLE

#M10143 03/21/11 Ba 1,000 µg/mL CPI Lot No. 11B128 Exp. 09-09-12
GLE

#M10144 03/21/11 Cu 10,000 µg/mL CPI Lot No. 10F007 Exp. 09-09-12
GLE

#M9930 11/23/10 Be 1000 mg/L Spex CertiPrep Lot No. 15-127BE Exp. 11-15-11
GvE

#M9931 11/23/10 Mo 1000 mg/L Spex CertiPrep Lot No. 15-110MO Exp. 11-15-11
GvE

#M9932 11/23/10 Na 10,000 mg/L Spex CertiPrep Lot No. AE12-119NA Exp. 11-15-11
GvE

#M9933 11/23/10 W 1000 µg/mL SCP Science Lot No. SC0301406 Exp. 08/2012
GvE

#M9934 11/28/10 Spike Sample Standard 1 Lot No. 42-80As Exp. 11-15-11
GvE

#M9935 11/23/10 AmA	Hg Working Stds: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9257) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg 1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg 2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg 4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg 5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg 10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg
#M9936 11/23/10 AmA	Hg Alt Source Working Std: (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9063) into 100ml = 10mg/L Hg 1.0ml of 10mg/L into 100ml = 100ug/L Hg
#M9937 11/23/10 AmA	Hg ICV / LCSW (0.2% HNO3, HCl)	3.0ml of 100ug/L Hg (#M9936) into 100ml = 3.0ug/L Hg
#M9938 11/23/10 AmA	Hg CCV (0.2% HNO3, HCl)	1.0ml of 1000mg/L Hg (#M9257) into 100ml=10mg/L Hg 1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg 3.0ml of 100ug/L Hg into 100ml = 3.0ug/L Hg
#M9939 11/23/10 AmA	Hg MRL: (0.2% HNO3, HCl)	0.2ml of 100ug/L Hg (#M9936) into 100ml = 0.2ug/L Hg
#M9940 11/23/10 AmA	Hg Aqua Regia Reagent:	"Carefully" in hood, mix 3 parts HCl (AB: 514) with 1part HNO3 (AB: 515)

#M9941 11/23/10 AmA Nacl Hydroxylamine Sulfate Reagent: Dissolve 60g Nacl (#M9574(1)) and 60g Hydroxylamine Sulfate (#M9831) in 500mL Milli-Q H_2O. Exp. 05/23/11

#9942 11/24/10 GvE Stannous Chloride Reagent: Into a 1000mL vol. flask, dissolve 100g Stannous Chloride (#M9785b) in 70mL HCL (AB.514). Bring up to volume with DI H_2O. Exp. 11-24-11

#M9943

#M9944 Gv

#M9945 11 GvE

#M9946 GvE

#M9947 GvE

#M9948 11 GvE

#M9949 11 GvE

#M9950 GvE 11/23/10 GvE

#M9951 Tc

#M9952 TCl

#M9953 TCl 12/01/10 GvE

#M9062 GLE 07/11/09 TCLP Extraction Fluid #1: Fill a 20L Carboy with 19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB:446) and 128.6mL 10N NaOH (#M9033) Dilute to 20L with D.I. H_2O and mix. The pH = 4.93 ± 0.05. Exp. 7-12 ~~Portland Cal~~

#M9063 GLE Mercury Standard (1mg/mL) in 10% HNO_3. ACROS Organics Lot No. A0254552 Exp. 07/28/14

190064 AMA 07/13/09 TCLP Extraction Fluid #1: Fill a 20L carboy with 19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB:446) and 128.6mL 10N NaOH (#M9033) Dilute to 20L with D.I. H_2O and mix. The pH = 4.93 ± 0.05. Exp. 7/13/10

190065 AMA 07/13/09 TCLP Extraction Fluid #1: Fill a 20L carboy with 19L D.I. H_2O. Add 114mL Glacial Acetic Acid (AB:446) and 128.6mL 10N NaOH (#M9033) Dilute to 20L with D.I. H_2O and mix. The pH = 4.93 ± 0.05. Exp. 7/13/10

#M9066 GLE 07/14/09 Potassium Persulfate: 50g Potassium Persulfate (#8228) dissolved into 1000mL D.I. H_2O. Exp. 01/14/10

19067 GLE 07/14/09 Hg Working Stds: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M8724) into 100ml = 10mg/L Hg
1.0ml of 10mg/L Hg into 100ml = 100ug/L Hg
0.5ml of 100ug/L Hg into 100ml = 0.5ug/L Hg
1.0ml of 100ug/L Hg into 100ml = 1.0ug/L Hg
2.0ml of 100ug/L Hg into 100ml = 2.0ug/L Hg
4.0ml of 100ug/L Hg into 100ml = 4.0ug/L Hg
5.0ml of 100ug/L Hg ino 100ml =5.0ug/L Hg
10.0ml of 100ug/L Hg into 100ml = 10.0ug/L Hg

19068 GLE 07/14/09 Hg Alt Source Working Std: (0.2% HNO3, HCl)
1.0ml of 1000mg/L Hg (#M8564) into 100ml = 10mg/L Hg
1.0ml of 10mg/L into 100ml = 100ug/L Hg

19069 GLE 07/14/09 Hg ICV/CCV/LCSW: (0.2% HNO3, HCl)
3.0ml of 100ug/L Hg (#M 9068) into 100ml = 3.0ug/L Hg

19070 GLE 07/14/09 Hg MRL:
0.2ml of 100ug/L Hg (#M 9068) into 100ml = 0.2ug/L Hg

19071 GLE 7/14/09 Hg Aqua Regia Reagent:
"Carefully" in hood, mix 3 parts HCl (AB: 439) with 1part HNO3 (AB: 440)

19072 GLE 07/14/09 Hg Water MDL ✓ (0.2% HNO_3, HCl)
0.04mL of 100 µg/L Hg (#M9068) into 100mL = 0.04 µg/L Hg

19073 GLE 07/14/09 Hg LOQ ✓ Water (0.2% HNO_3, HCl)
0.13mL of 100 µg/L Hg (#M9068) into 100mL = 0.13 µg/L Hg

#M9074 GLE 07/14/09 Soil Hg MDL ✓
0.03mL of 100 µg/L Hg (#M9068) into 100mL = 0.03 µg/L Hg

#M9075 GLE Soil Hg 07/14/09

#M9076 AMA 07/20/09 Hg (0.2

#M9077 AMA 07/20/09 Hg (0.2

#M9078 AMA 7/20/09 Hg (0.2

#M9079 AMA 7/20/09 Hg

#M9080 AMA 7/20/09 Hg

#M9081 AMA 7/20/09 NaCl Hyd

#M9082 GLE 07/20/09 Sodium C

#M9083 GLE 07/20/09 Tin (II) Ch

#M9084 AMA 07/21/09 Potassium

#M9085 AMA 7/21/09 TCLP Extrac Exp. 7

#M9086 AMA 7/21/09 10N NaOH

#M9087 AMA 7/21/09 TCLP Extra Exp. 7/21

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337811
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 12:40
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	33	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337811
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	97.5		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	85.1	Lab Sample ID:	338807
Analytical Method:	EPA 8000C	Date Received:	08/15/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96800	Analysis Date/Time	08/16/2013 14:10
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	85.1		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337812
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 12:58
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	33	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337812
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	97.5		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	85.2	Lab Sample ID:	338808
Analytical Method:	EPA 8000C	Date Received:	08/15/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96800	Analysis Date/Time	08/16/2013 14:10
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	85.2		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	84.3	Lab Sample ID:	337814
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	84.3		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.0	Lab Sample ID:	337813
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	96.0		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.0	Lab Sample ID:	337813
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 13:16
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	33	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	81.4	Lab Sample ID:	337816
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	81.4		0.1	0.1	0.1	0.1

CT LABORATORIES
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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.6	Lab Sample ID:	337815
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	95.6		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.6	Lab Sample ID:	337815
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 13:33
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers		DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	33	U	M	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	82.0	Lab Sample ID:	337819
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	82.0		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.1	Lab Sample ID:	337818
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	94.1		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.1	Lab Sample ID:	337818
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 14:27
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	33	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	83.1	Lab Sample ID:	337821
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	83.1		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.1	Lab Sample ID:	337820
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	97.1		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.1	Lab Sample ID:	337820
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 14:44
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	33	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	84.2	Lab Sample ID:	337823
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	84.2		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.9	Lab Sample ID:	337822
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	94.9		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.9	Lab Sample ID:	337822
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 15:02
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	33	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	85.3	Lab Sample ID:	337825
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	85.3		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.1	Lab Sample ID:	337824
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	96.1		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.1	Lab Sample ID:	337824
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 15:20
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	33	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	84.7	Lab Sample ID:	337827
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	84.7		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.2	Lab Sample ID:	337826
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	96.2		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.2	Lab Sample ID:	337826
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 16:13
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	33	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	84.7	Lab Sample ID:	337829
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	84.7		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.6	Lab Sample ID:	337828
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	96.6		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.6	Lab Sample ID:	337828
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 16:31
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	33	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	84.9	Lab Sample ID:	337831
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	84.9		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.4	Lab Sample ID:	337830
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	97.4		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.4	Lab Sample ID:	337830
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 16:49
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	33	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	83.3	Lab Sample ID:	337833
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	83.3		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.3	Lab Sample ID:	337832
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	95.3		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.3	Lab Sample ID:	337832
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 17:07
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	33	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.9	Lab Sample ID:	337834
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	96.9		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	81.5	Lab Sample ID:	338810
Analytical Method:	EPA 8000C	Date Received:	08/15/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96800	Analysis Date/Time	08/16/2013 14:10
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	81.5		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.9	Lab Sample ID:	337834
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 17:25
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	33	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337811
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 12:40
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	100	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337811
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	97.5		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0001M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	85.1	Lab Sample ID:	338807
Analytical Method:	EPA 8000C	Date Received:	08/15/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96800	Analysis Date/Time	08/16/2013 14:10
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	85.1		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337812
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 12:58
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	100	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.5	Lab Sample ID:	337812
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	97.5		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0002M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	85.2	Lab Sample ID:	338808
Analytical Method:	EPA 8000C	Date Received:	08/15/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96800	Analysis Date/Time	08/16/2013 14:10
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	85.2		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	84.3	Lab Sample ID:	337814
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	84.3		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.0	Lab Sample ID:	337813
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	96.0		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0003M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.0	Lab Sample ID:	337813
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 13:16
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	100	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	81.4	Lab Sample ID:	337816
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	81.4		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.6	Lab Sample ID:	337815
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	95.6		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.6	Lab Sample ID:	337815
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 13:33
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers		DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	100	U	M	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	82.0	Lab Sample ID:	337819
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	82.0		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.1	Lab Sample ID:	337818
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	94.1		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0005M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.1	Lab Sample ID:	337818
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 14:27
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	100	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	83.1	Lab Sample ID:	337821
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	83.1		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.1	Lab Sample ID:	337820
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	97.1		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0006M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.1	Lab Sample ID:	337820
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 14:44
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	100	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	84.2	Lab Sample ID:	337823
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	84.2		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.9	Lab Sample ID:	337822
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	94.9		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0008M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	94.9	Lab Sample ID:	337822
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 15:02
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	100	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	85.3	Lab Sample ID:	337825
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	85.3		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.1	Lab Sample ID:	337824
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	96.1		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0009M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.1	Lab Sample ID:	337824
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 15:20
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	100	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	84.7	Lab Sample ID:	337827
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	84.7		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.2	Lab Sample ID:	337826
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	96.2		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0011M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.2	Lab Sample ID:	337826
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 16:13
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	100	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	84.7	Lab Sample ID:	337829
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	84.7		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.6	Lab Sample ID:	337828
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	96.6		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0012M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.6	Lab Sample ID:	337828
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 16:31
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	100	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	84.9	Lab Sample ID:	337831
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	84.9		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.4	Lab Sample ID:	337830
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	97.4		0.1	0.1	0.1	0.1

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1

INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0013M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	97.4	Lab Sample ID:	337830
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 16:49
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	100	U	33	100	200	200

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	83.3	Lab Sample ID:	337833
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96718	Analysis Date/Time	08/14/2013 12:15
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	83.3		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.3	Lab Sample ID:	337832
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	95.3		0.1	0.1	0.1	0.1

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INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0014-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	95.3	Lab Sample ID:	337832
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 17:07
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	100	U	33	100	200	200

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1

INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.9	Lab Sample ID:	337834
Analytical Method:	EPA 8000C	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96720	Analysis Date/Time	08/20/2013 13:00
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	96.9		0.1	0.1	0.1	0.1

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1

INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	81.5	Lab Sample ID:	338810
Analytical Method:	EPA 8000C	Date Received:	08/15/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	96800	Analysis Date/Time	08/16/2013 14:10
Analytical Prep Batch #:		Prep. Date/Time:	
ICAL Calibration #:		Concentration Units:	%

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
SOLID	Solids, Percent	81.5		0.1	0.1	0.1	0.1

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1

INORGANIC ANALYSIS DATA SHEET

Sample Description

083SB-0015M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix (soil/water):	SOIL	SDG No.:	99211
% Solids:	96.9	Lab Sample ID:	337834
Analytical Method:	EPA 9056M	Date Received:	08/13/2013
Dilution Factor:	1.00	TCLP/SPLP Extraction Date/time:	
Analytical Run #:	97018	Analysis Date/Time	08/25/2013 17:25
Analytical Prep Batch #:	45577	Prep. Date/Time:	08/21/2013 09:00
ICAL Calibration #:		Concentration Units:	mg/kg

CAS #	Analyte	Concentration	Qualifiers	DL	LOD	LOQ	RL
9004-70-0	Nitrocellulose	100	U	33	100	200	200

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Sample No.

ICV

2A-1

INITIAL CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 97018 Lab Sample ID: 346239

ICAL Calibration #: Concentration Units: ug/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Nitrocellulose	8/16/13 19:52	7.000	6.695	96	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 97018 Lab Sample ID: 346234

ICAL Calibration #: Concentration Units: mg/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Nitrocellulose	8/25/13	10:59	7.000	6.641	95	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 97018 Lab Sample ID: 346235

ICAL Calibration #: Concentration Units: mg/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Nitrocellulose	8/25/13	15:38	7.000	6.684	95	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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Sample No.

CCV

2A-2

CONTINUING CALIBRATION VERIFICATION

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 97018 Lab Sample ID: 346237

ICAL Calibration #: Concentration Units: mg/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Nitrocellulose	8/25/13 19:47	7.000	6.740	96	90	110

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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Sample No.

MRL

2B

MRL STANDARD CHECK

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 97018 Lab Sample ID: 346225

ICAL Calibration #: Concentration Units: mg/kg

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Nitrocellulose	8/25/13	12:22	200	158	79	70	130

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

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Sample No.

MRL

2B

MRL STANDARD CHECK

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 97018 Lab Sample ID: 346226

ICAL Calibration #: Concentration Units: mg/kg

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time		Spiked Conc.	Measured Conc.	%R**	Lower Limit (1)	Upper Limit (1)
Nitrocellulose	8/25/13	18:36	200	161	80	70	130

Default Limits (not applicable to MDL Check) **No percent recovery is calculated for MDL checks. The check is simply whether the analyte is detected.

(1) Control Limits: 70-130

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Sample No

ICB

3-1

INITIAL CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 97018 Lab Sample ID: 346240

Analytical Prep Batch #: Preparation Date/Time:

ICAL Calibration #: Concentration Units: mg/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Nitrocellulose	08/16/2013 20:09	0			0.28

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
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Sample No

CCB

3-2

CONTINUING CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 97018 Lab Sample ID: 346236

Analytical Prep Batch #: Preparation Date/Time:

ICAL Calibration #: Concentration Units: mg/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Nitrocellulose	08/25/2013 15:56	0			0.28

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
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Sample No

CCB

3-2

CONTINUING CALIBRATION BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 97018 Lab Sample ID: 346238

Analytical Prep Batch #: Preparation Date/Time:

ICAL Calibration #: Concentration Units: mg/L

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Nitrocellulose	08/25/2013 20:05	0			0.28

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
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Sample No

MB

3-3

METHOD BLANKS

Lab Name: CT Laboratories Contract: ECC-RVAAP

SDG No.: 99211

Analytical Run #: 97018 Lab Sample ID: 342370

Analytical Prep Batch # 45577 Preparation Date/Time: 08/21/2013 09:00

ICAL Calibration #: Concentration Units: mg/kg

Analysis Type: Initial Analysis

Analyte	Analysis Date/Time	Measured Concentration	C***	Detection Limit**	Control Limit
Nitrocellulose	08/25/2013 12:04	0	U	33	100

** Detection Limit only reported if value was less than the control limit.
***A "U" indicates the analyte was not detected in the method blank at the detection limit or the Control Limit whichever was less.

CT LABORATORIES
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5A

SPIKE SAMPLE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOLID	SDG No.:	99211
% Solids for Sample:	95.6	Concentration Units:	mg/kg
Sample No	342372	Parent Sample No.:	337815
Analytical Prep Batch #	45577	Analytical Preparation Date/Time:	08/21/2013 09:00
Analytical Run #:	97018	ICAL Calibration #:	

Analysis Type *Initial Analysis* Analysis Date: ----- 08/25/2013 Analysis Time: -------- 13:51

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M	
Nitrocellulose	63-130	158	J	BDL	U	500	32		IC	*FAIL*

BDL = analyte concentration was below detection limit

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5C

SPIKE DUPLICATE SAMPLE RECOVERY

Sample Description

083SB-0004M-0001-SO

Lab Name:	CT Laboratories	Contract:	ECC-RVAAP
Matrix:	SOLID	SDG No.:	99211
% Solids for Sample:	95.6	Concentration Units:	mg/kg
Sample No	342373	Parent Sample No.:	342372
Analytical Prep Batch #	45577	Analytical Preparation Date/Time:	08/21/2013 09:00
Analytical Run #:	97018	ICAL Calibration #:	

Analysis Type *Initial Analysis* Analysis Date: ----- 08/25/2013 Analysis Time: -------- 14:09

Analyte	Control Limit (%R)	Spike Result	C (Spike)	Parent Result	C (Parent)	Spike Amount	%R	Q	M	
Nitrocellulose	63-130	159	J	BDL	U	500	32		IC	*FAIL*

BDL = analyte concentration was below detection limit

CT LABORATORIES
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6

DUPLICATES

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Matrix: SOLID | SDG No.: 99211

% Solid for Sample: 81.4 | Concentration Units: %

Analytical Prep Batch #: 1 | Analytical Preparation Date/Time: 0

Analytical Run #: 96718 | ICAL Calibration #:

Sample #: 338722 | Parent Sample #: 337816

Analysis Type *Initial Analysis*

Analyte	Analysis Date/Tim		RPD Limit	Original Parent Conc. (S)	C	Duplicate Conc. (D)	C	RPD	Q	M
Solids, Percent	08/14/2013	12:15	8	81.4		82.0		1		

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6

DUPLICATES

Sample Description

083SB-0015M-0001-SO

Lab Name: CT Laboratories
Contract: ECC-RVAAP
Matrix: SOLID
SDG No.: 99211
% Solid for Sample: 81.5
Concentration Units: %
Analytical Prep Batch # 1
Analytical Preparation Date/Time 0
Analytical Run #: 96800
ICAL Calibration #:
Sample #: 339813
Parent Sample #: 338810

Analysis Type *Initial Analysis*

Analyte	Analysis Date/Tim		RPD Limit	Original Parent Conc. (S)	C	Duplicate Conc. (D)	C	RPD	Q	M
Solids, Percent	08/16/2013	14:10	8	81.5		80.9		1		

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6

DUPLICATES

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Matrix: SOLID | SDG No.: 99211

% Solid for Sample: 95.6 | Concentration Units: %

Analytical Prep Batch # 1 | Analytical Preparation Date/Time 0

Analytical Run #: 96720 | ICAL Calibration #:

Sample #: 340971 | Parent Sample #: 337815

Analysis Type *Initial Analysis*

Analyte	Analysis Date/Tim		RPD Limit	Original Parent Conc. (S)	C	Duplicate Conc. (D)	C	RPD	Q	M
Solids, Percent	08/20/2013	13:00	8	95.6		95.6		0		

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6A

MATRIX SPIKE DUPLICATES

Sample Description

083SB-0004M-0001-SO

Lab Name: CT Laboratories | Contract: ECC-RVAAP

Matrix: SOLID | SDG No.: 99211

% Solid for Sample: 95.6 | Concentration Units: mg/kg

Analytical Prep Batch #: 45577 | Analytical Preparation Date/Time: 08/21/2013 09:00

Analytical Run #: 97018 | ICAL Calibration #:

Sample #: 342373 | Parent Sample #: 342372

Analysis Type *Initial Analysis*

Analyte	Analysis Date/Tim		RPD Limit	Matrix Spik Parent Conc. (S)	C	Matrix Spike Duplicate Conc. (D)	C	RPD	Q	M
Nitrocellulose	08/25/2013	14:09	20	158	J	159	J	1		IC

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7-2

Sample No:

LCS

LABORATORY CONTROL SAMPLE - SOLID

Lab Name: CT Laboratories Contract ECC-RVAAP

LCS Source: SPEX and Ultra SDG No.: 99211

Concentration Units: mg/kg

Analytical Run #: 97018 Sample No.:#: 342371

Analytical Prep Batch #: 45577 Preparation Date/Time: 08/21/2013 09:00

ICAL Calibration #:

Analysis Type ---------- Initial Analysis

Analyte	Analysis Date/Time	Control Limit (%R)	Spike Result	C	Spike Amount	%R	Q	M
Nitrocellulose	08/25/2013 11:47	63-130	368		500	74		IC

INORGANICS
RAW DATA
DOCUMENTS

SOIL HOMOGENIZATION - Multi-Incremental

Run #: 96788 Ambient Temp (°C): 21.0C

Sample #: 337811

Analyst: DAS

Date: 8/13/13

Time: 14:20

Initial Sample Wet Weight (g): _____

Observations:

_____

_____

_____

_____

_____

_____

Sieving:

Analyst: CHB Ambient Temp (°C): 21°

Date: 8/15/13

Time: 9:35

Weight Retained on #10 Sieve (g): _____

% Retained on #10 Sieve: #DIV/0!

% Passing #10 Sieve: #DIV/0!

Observations:

_____

_____

_____

_____

_____

_____

Milling:

Analyst: CHB

Date: 8/15/13

Time: 10:05

# of Grinds: 5

# of Bowls Used: 1

Reviewed By/Date: 8-15-13

SOIL HOMOGENIZATION - Multi-Incremental

Run #: 96782 Ambient Temp (°C): 21.0 C

Sample #: 337812

Analyst: DAB

Date: 8-13-13

Time: 14:24

Initial Sample Wet Weight (g): _____

Observations:

Sieving:

Analyst: MMS Ambient Temp (°C): 21

Date: 8/15/13

Time: 9:55

Weight Retained on #10 Sieve (g): _____

% Retained on #10 Sieve: #DIV/0!

% Passing #10 Sieve: #DIV/0!

Observations:

Milling:

Analyst: TPV

Date: 8/15/13

Time: 1030

# of Grinds: 5

# of Bowls Used: 1

Reviewed By/Date: 8-15-13

SOIL HOMOGENIZATION - Multi-Incremental

Run #: 61788 Ambient Temp (°C): 21.02

Sample #: 337813

Analyst: DAB

Date: 8-13-13

Time: 14:27

Initial Sample Wet Weight (g): _____

Observations:

Sieving:

Analyst: MMS Ambient Temp (°C): 21

Date: 8/15/13

Time: 9:58

Weight Retained on #10 Sieve (g): _____

% Retained on #10 Sieve: #DIV/0!

% Passing #10 Sieve: #DIV/0!

Observations:

Milling:

Analyst: TPV

Date: 8/15/13

Time: 1050

# of Grinds: 5

# of Bowls Used: 1

Reviewed By/Date: 8-15-13

SOIL HOMOGENIZATION - Multi-Incremental

Run #: 96788 Ambient Temp (°C): 21.02

Sample #: 337815

Analyst: DAB

Date: 8-13-13

Time: 14:30

Initial Sample Wet Weight (g): _____

Observations:

Sieving:

Analyst: NMS Ambient Temp (°C): 21.0

Date: 8/15/13

Time: 10:00

Weight Retained on #10 Sieve (g): _____

% Retained on #10 Sieve: #DIV/0!

% Passing #10 Sieve: #DIV/0!

Observations:

Milling:

Analyst: TPV

Date: 8/15/13

Time: 1110

# of Grinds: 10 ms/msd

# of Bowls Used: 2

Reviewed By/Date: 8-15-13

SOIL HOMOGENIZATION - Multi-Incremental

Run #: 96788 Ambient Temp (°C): 21.0

Sample #: 337848

Analyst: DAR

Date: 8/13-13

Time: 14:34

Initial Sample Wet Weight (g): _____

Observations:

_____

_____

_____

_____

_____

_____

Sieving:

Analyst: MMS Ambient Temp (°C): 21

Date: 8/15/13

Time: 10:10

Weight Retained on #10 Sieve (g): _____

% Retained on #10 Sieve: #DIV/0!

% Passing #10 Sieve: #DIV/0!

Observations:

_____

_____

_____

_____

_____

_____

Milling:

Analyst: CHB

Date: 8/15/13

Time: 11:55

# of Grinds: 5

# of Bowls Used: 1

Reviewed By/Date: 8-15-13

SOIL HOMOGENIZATION - Multi-Incremental

Run #: 96781 Ambient Temp (°C): 21.0°C

Sample #: 337820

Analyst: DAB

Date: 8-13-13

Time: 14:37

Initial Sample Wet Weight (g): _____

Observations:

_____

_____

_____

_____

_____

_____

Sieving:

Analyst: MMS Ambient Temp (°C): 21.0

Date: 8/15/13

Time: 10:12

Weight Retained on #10 Sieve (g): _____

% Retained on #10 Sieve: #DIV/0!

% Passing #10 Sieve: #DIV/0!

Observations:

_____

_____

_____

_____

_____

_____

Milling:

Analyst: TVS

Date: 8/15/13

Time: 1215

# of Grinds: 5

# of Bowls Used: 1

Reviewed By/Date: 8-15-13

SOIL HOMOGENIZATION - Multi-Incremental

Run #: 96788 Ambient Temp (°C): 21.0

Sample #: 337822
Analyst: DMR
Date: 8-13-13
Time: 14:41

Initial Sample Wet Weight (g): _____

Observations:

Sieving:

Analyst: MMS Ambient Temp (°C): 21
Date: 8/15/13
Time: 10:15

Weight Retained on #10 Sieve (g): _____
% Retained on #10 Sieve: #DIV/0!
% Passing #10 Sieve: #DIV/0!

Observations:

Milling:

Analyst: TPV
Date: 8/15/13
Time: 1230

# of Grinds: 5
# of Bowls Used: 1

Reviewed By/Date: _____

SOIL HOMOGENIZATION - Multi-Incremental

Run #: 96788 Ambient Temp (°C): 21.0

Sample #: 337824

Analyst: PAB

Date: 8-13-13

Time: 14:45

Initial Sample Wet Weight (g): _____

Observations:

Sieving:

Analyst: MMS Ambient Temp (°C): 21

Date: 8/15/13

Time: 16:17

Weight Retained on #10 Sieve (g): _____

% Retained on #10 Sieve: #DIV/0!

% Passing #10 Sieve: #DIV/0!

Observations:

Milling:

Analyst: TPU

Date: 8/15/13

Time: 1240

# of Grinds: 5

# of Bowls Used: 1

Reviewed By/Date: 8-8-13

SOIL HOMOGENIZATION - Multi-Incremental

Run #: 96788 Ambient Temp (°C): 21.0

Sample #: 337826

Analyst: DAB

Date: 8-13-13

Time: 14:47

Initial Sample Wet Weight (g): _____

Observations:

_____

_____

_____

_____

_____

_____

Sieving:

Analyst: MMS Ambient Temp (°C): 21

Date: 8/15/13

Time: 10:19

Weight Retained on #10 Sieve (g): _____

% Retained on #10 Sieve: #DIV/0!

% Passing #10 Sieve: #DIV/0!

Observations:

_____

_____

_____

_____

_____

_____

Milling:

Analyst: CHB

Date: 8/15/13

Time: 13:22

# of Grinds: 5

# of Bowls Used: 1

Reviewed By/Date: 8-15-13

SOIL HOMOGENIZATION - Multi-Incremental

Run #: 96788 Ambient Temp (°C): 21.02

Sample #: 337828

Analyst: DAB

Date: 8-13-13

Time: 14:50

Initial Sample Wet Weight (g): _____

Observations:

_____

_____

_____

_____

_____

_____

Sieving:

Analyst: MMS Ambient Temp (°C): 21

Date: 8/15/13

Time: 10:23

Weight Retained on #10 Sieve (g): _____

% Retained on #10 Sieve: #DIV/0!

% Passing #10 Sieve: #DIV/0!

Observations:

_____

_____

_____

_____

_____

_____

Milling:

Analyst: CHB

Date: 8/15/13

Time: 13:34

# of Grinds: 5

# of Bowls Used: 1

Reviewed By/Date: 8-15-13

SOIL HOMOGENIZATION - Multi-Incremental

Run #: 96788 Ambient Temp (°C): 21.0C

Sample #: 337830

Analyst: DAB

Date: 8-13-13

Time: 14:52

Initial Sample Wet Weight (g): _____

Observations:

Sieving:

Analyst: MM Ambient Temp (°C): 21

Date: 8/15/13

Time: 10:25

Weight Retained on #10 Sieve (g): _____

% Retained on #10 Sieve: #DIV/0!

% Passing #10 Sieve: #DIV/0!

Observations:

Milling:

Analyst: CHB

Date: 8/15/13

Time: 13:48

# of Grinds: _____

# of Bowls Used: _____

Reviewed By/Date: 8-15-13

SOIL HOMOGENIZATION - Multi-Incremental

Run #: E6785 Ambient Temp (°C): 21.0

Sample #: 337832
Analyst: DAS
Date: 8-13-13
Time: 14:55

Initial Sample Wet Weight (g): _____

Observations:

Sieving:

Analyst: MMS Ambient Temp (°C): 21.0
Date: 8/15/13
Time: 10:40

Weight Retained on #10 Sieve (g): _____
% Retained on #10 Sieve: #DIV/0!
% Passing #10 Sieve: #DIV/0!

Observations:

Milling:

Analyst: CHB
Date: 8/15/13
Time: 13:59

# of Grinds: 5
# of Bowls Used: 1

Reviewed By/Date: 8-15-13

SOIL HOMOGENIZATION - Multi-Incremental

Run #: G6788 Ambient Temp (°C): 21.0°C

Sample #: 337834

Analyst: DAR

Date: 8-13-13

Time: 14:57

Initial Sample Wet Weight (g): _____

Observations:

Sieving:

Analyst: MMS Ambient Temp (°C): 21.0

Date: 8/15/13

Time: 10:46

Weight Retained on #10 Sieve (g): _____

% Retained on #10 Sieve: #DIV/0!

% Passing #10 Sieve: #DIV/0!

Observations:

Milling:

Analyst: CHB

Date: 8/15/13

Time: 14:12

# of Grinds: 5

# of Bowls Used: 1

Reviewed By/Date: 8-15-13

Schedule File: C:\Instrument Archives\Sequences\System 2\081613B.sch

Line	Sample	Sample Type	Level	Method
26	LEVEL 1	Sample Calibration St	1	w32289.met
27	LEVEL 2	Calibration St	2	w32289.met
28	LEVEL 3	Calibration St	3	w32289.met
29	LEVEL 4	Calibration St	4	w32289.met
30	LEVEL 5	Calibration St	5	w32289.met
31	LEVEL 6	Calibration St	6	w32289.met
32	LEVEL 7	Calibration St	7	w32289.met
33	LEVEL 8	Calibration St	8	w32289.met
34	ICV	Sample		w32289.met
35	ICB	Sample		w32289.met

Calibration Update Report

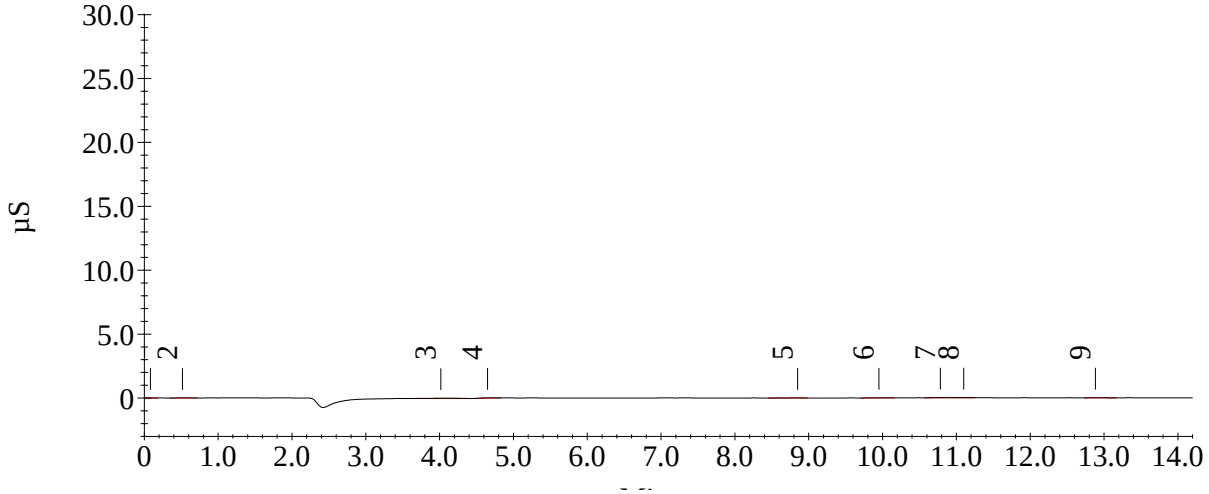
Sample Name : LEVEL 1
Data File Name : C:\INSTRUMENT ARCHIVES\DATA\SYSTEM 2\081613B\LEVEL 1_026.DXD

Schedule File Name : c:\instrument archives\sequences\system 2\081613b.sch
Date Time Collected : 08/16/2013 17:41:16
Calibration Date : 08/16/2013 17:55:29
System Operator : MDS

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
4	Chloride	4.65	0	3520	3520
6	O.Phos	9.95	0	1007	1007
9	Sulfate	12.88	0	1088	1088

LEVEL 1



Calibration Update Report

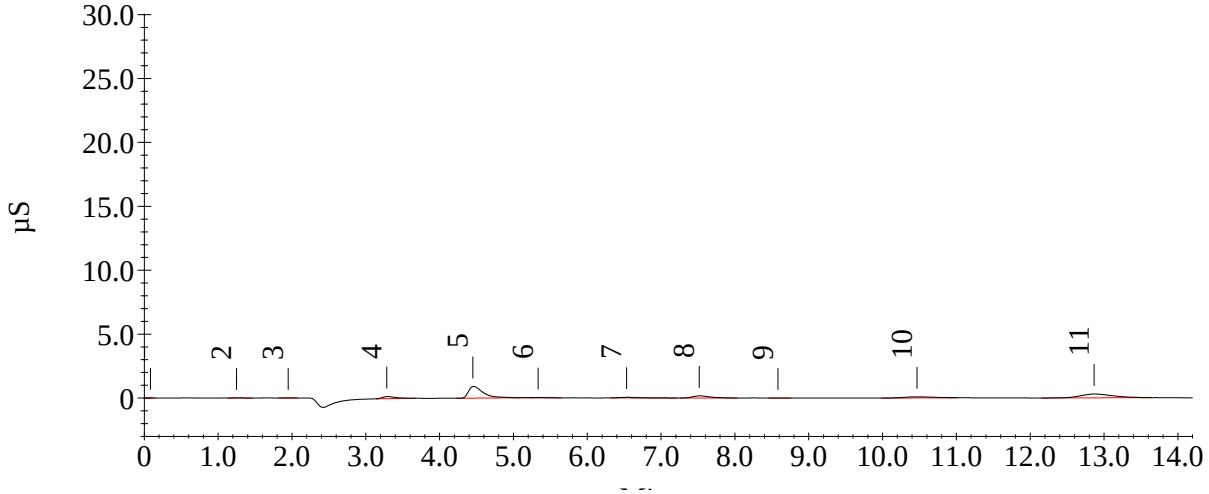
Sample Name : LEVEL 2
Data File Name : C:\INSTRUMENT ARCHIVES\DATA\SYSTEM 2\081613B\LEVEL 2_027.DXD

Schedule File Name : c:\instrument archives\sequences\system 2\081613b.sch
Date Time Collected : 08/16/2013 17:57:41
Calibration Date : 08/16/2013 18:11:55
System Operator : MDS

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
4	Fluoride	3.28	0	20872	212674
5	Chloride	4.45	0	128360	128360
6	Nitrite	5.33	0	3132	3132
7	Bromide	6.53	0	9771	9771
8	Nitrate	7.52	0	28115	28115
10	O.Phos	10.47	0	24261	24261
11	Sulfate	12.87	0	90921	90921

LEVEL 2



Calibration Update Report

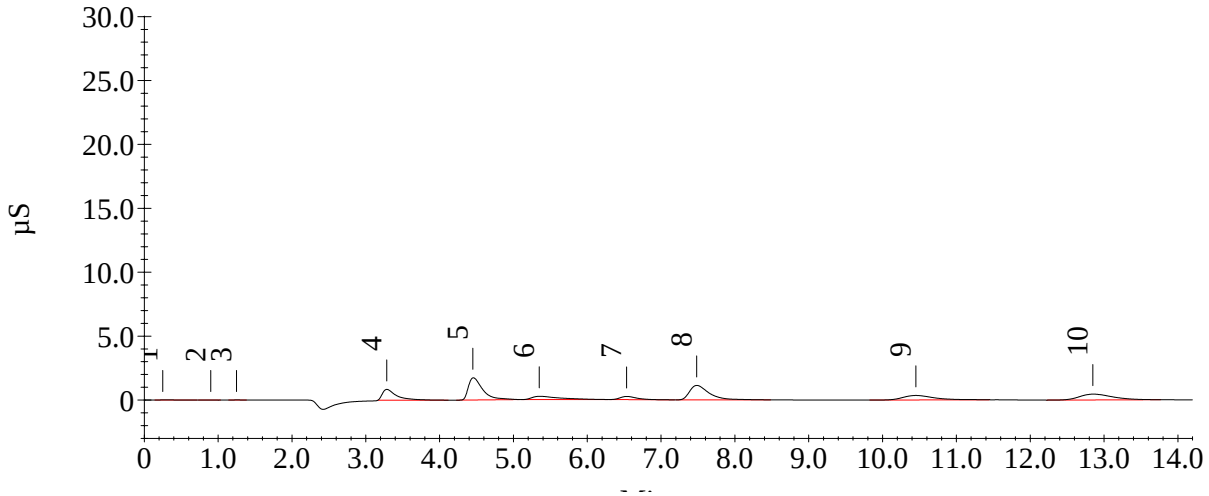
Sample Name : LEVEL 3
Data File Name : C:\INSTRUMENT ARCHIVES\DATA\SYSTEM 2\081613B\LEVEL 3_028.DXD

Schedule File Name : c:\instrument archives\sequences\system 2\081613b.sch
Date Time Collected : 08/16/2013 18:14:08
Calibration Date : 08/16/2013 18:28:22
System Operator : MDS

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
4	Fluoride	3.28	0	113837	113837
5	Chloride	4.45	0	235018	235018
6	Nitrite	5.35	0	68268	68268
7	Bromide	6.53	0	39760	39760
8	Nitrate	7.48	0	209777	209777
9	O.Phos	10.45	0	103761	103761
10	Sulfate	12.85	0	143043	143043

LEVEL 3



Calibration Update Report

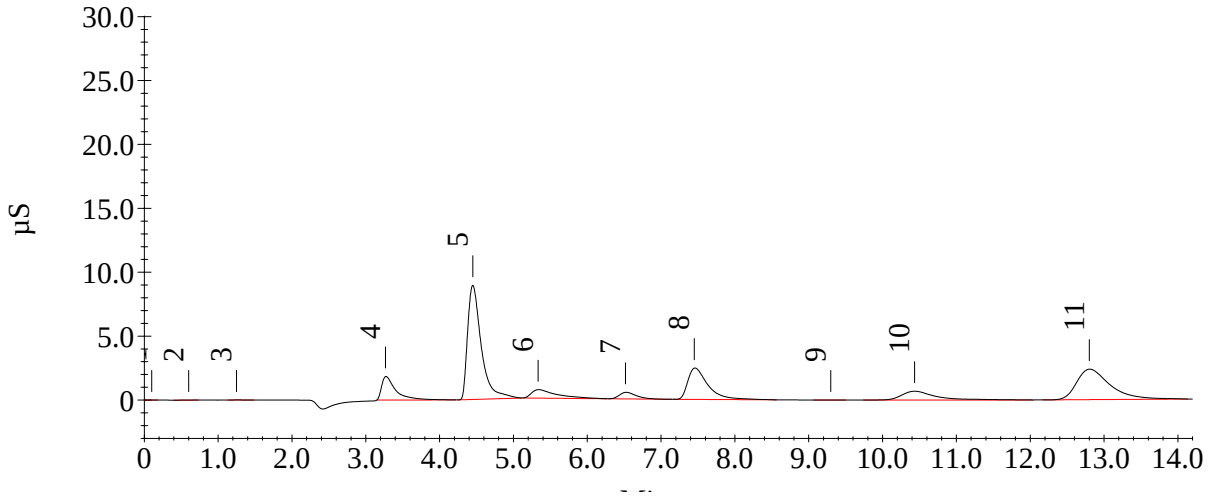
Sample Name : LEVEL 4
Data File Name : C:\INSTRUMENT ARCHIVES\DATA\SYSTEM 2\081613B\LEVEL 4_029.DXD

Schedule File Name : c:\instrument archives\sequences\system 2\081613b.sch
Date Time Collected : 08/16/2013 18:30:35
Calibration Date : 08/16/2013 18:44:48
System Operator : MDS

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
4	Fluoride	3.27	0	246157	246157
5	Chloride	4.45	0	1149655	1149655
6	Nitrite	5.33	0	157083	157083
7	Bromide	6.52	0	82469	82469
8	Nitrate	7.45	0	464915	464915
10	O.Phos	10.43	0	222874	222874
11	Sulfate	12.80	0	749657	749657

LEVEL 4



Calibration Update Report

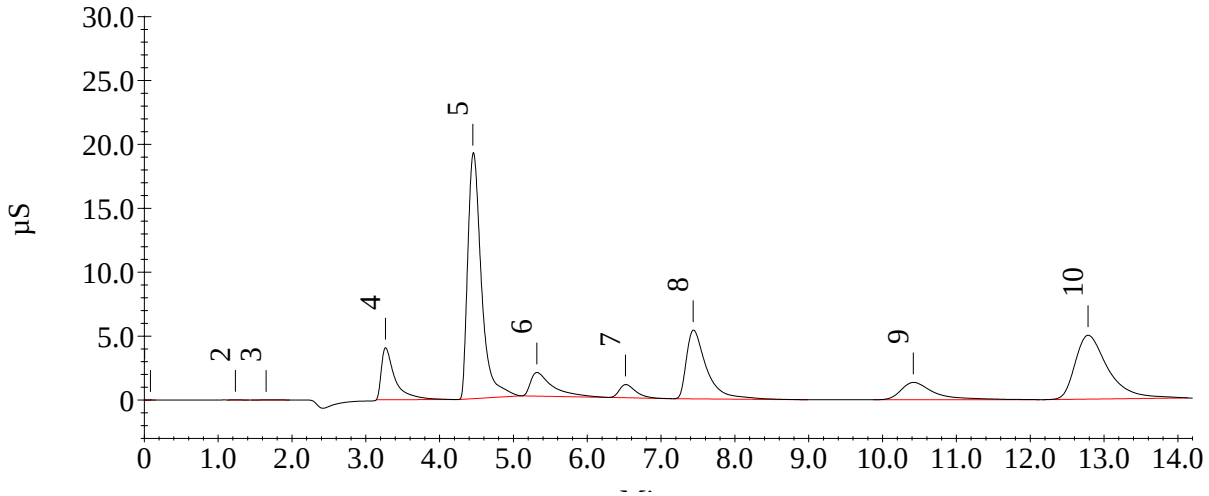
Sample Name : LEVEL 5
Data File Name : C:\INSTRUMENT ARCHIVES\DATA\SYSTEM 2\081613B\LEVEL 5_030.DXD

Schedule File Name : c:\instrument archives\sequences\system 2\081613b.sch
Date Time Collected : 08/16/2013 18:47:01
Calibration Date : 08/16/2013 19:01:14
System Operator : MDS

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
4	Fluoride	3.27	0	521129	521129
5	Chloride	4.45	0	2463474	2463474
6	Nitrite	5.32	0	382835	382835
7	Bromide	6.52	0	159460	159460
8	Nitrate	7.43	0	1019120	1019120
9	O.Phos	10.42	0	425277	425277
10	Sulfate	12.78	0	1541610	1541610

LEVEL 5



Calibration Update Report

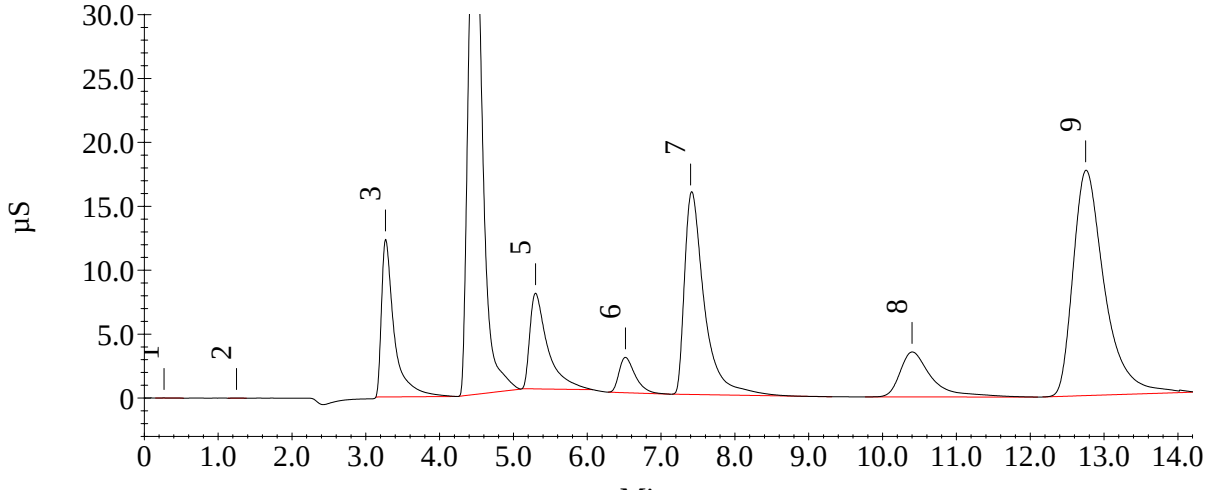
Sample Name : LEVEL 6
Data File Name : C:\INSTRUMENT ARCHIVES\DATA\SYSTEM 2\081613B\LEVEL 6_031.DXD

Schedule File Name : c:\instrument archives\sequences\system 2\081613b.sch
Date Time Collected : 08/16/2013 19:03:27
Calibration Date : 08/17/2013 09:02:59
System Operator : MDS

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
3	Fluoride	3.27	0	1479338	951099
4	Chloride	4.47	0	5569014	3025392
5	Nitrite Bromide	5.30	0	1257035	1329633
6	Nitrate	6.52	0	420053	1645484
8	O.Phos	10.40	0	1048400	549003
9	Sulfate	12.75	0	5215982	3040391

LEVEL 6



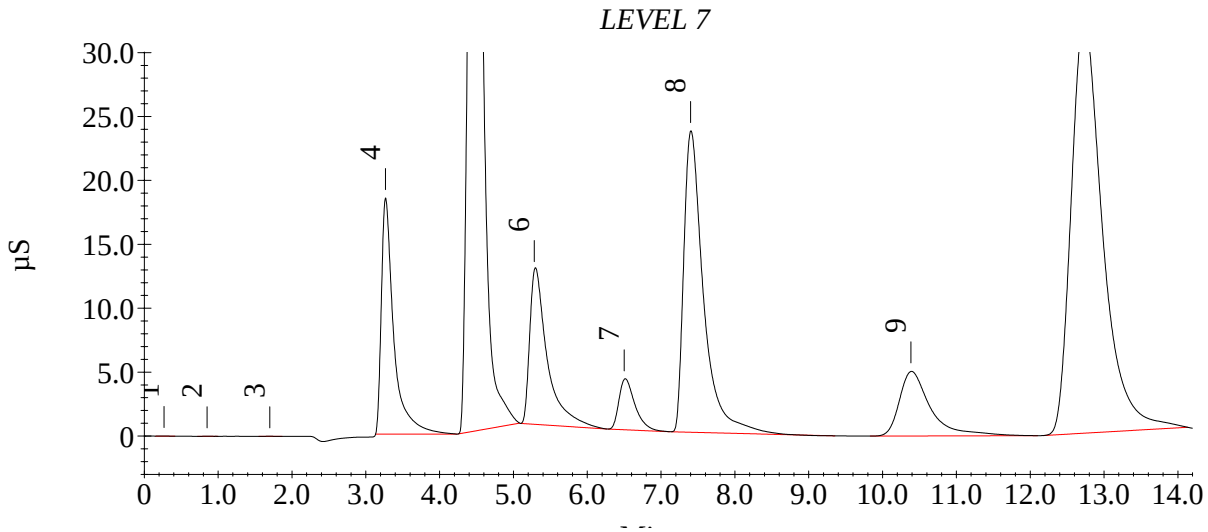
Calibration Update Report

Sample Name : LEVEL 7
Data File Name : C:\INSTRUMENT ARCHIVES\DATA\SYSTEM 2\081613B\LEVEL 7_032.DXD

Schedule File Name : c:\instrument archives\sequences\system 2\081613b.sch
Date Time Collected : 08/16/2013 19:19:57
Calibration Date : 08/16/2013 19:34:11
System Operator : MDS

Peak Information : All Components

Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
4	Fluoride	3.27		2159667	
5	Chloride	4.48	0	8676263	8676263
6	Nitrite	5.28		2020853	
7	Bromide	6.50		601584	
8	Nitrate	7.40	0	4386214	4386214
9	O.Phos	10.38		1475986	
10	Sulfate	12.72	0	9563275	9563275



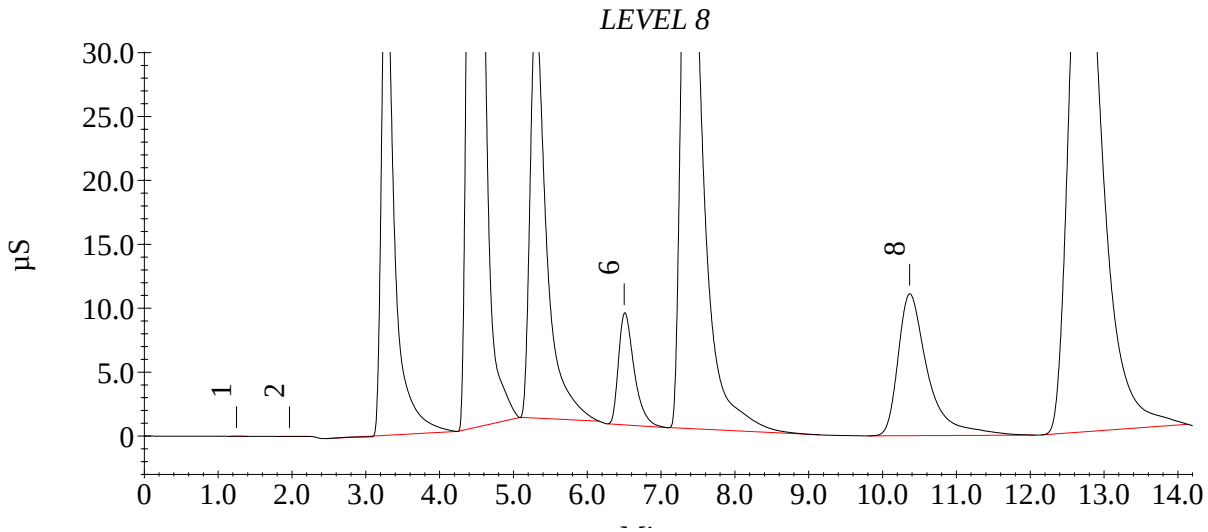
Calibration Update Report

Sample Name : LEVEL 8
Data File Name : C:\INSTRUMENT ARCHIVES\DATA\SYSTEM 2\081613B\LEVEL 8_033.DXD

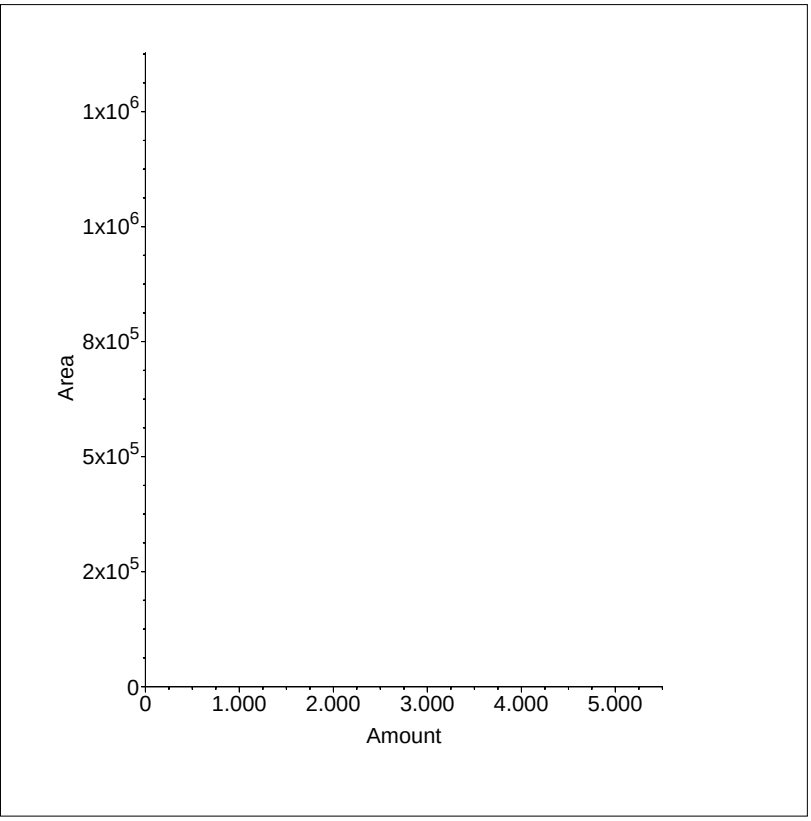
Schedule File Name : c:\instrument archives\sequences\system 2\081613b.sch
Date Time Collected : 08/16/2013 19:36:23
Calibration Date : 08/16/2013 19:50:37
System Operator : MDS

Peak Information : All Components

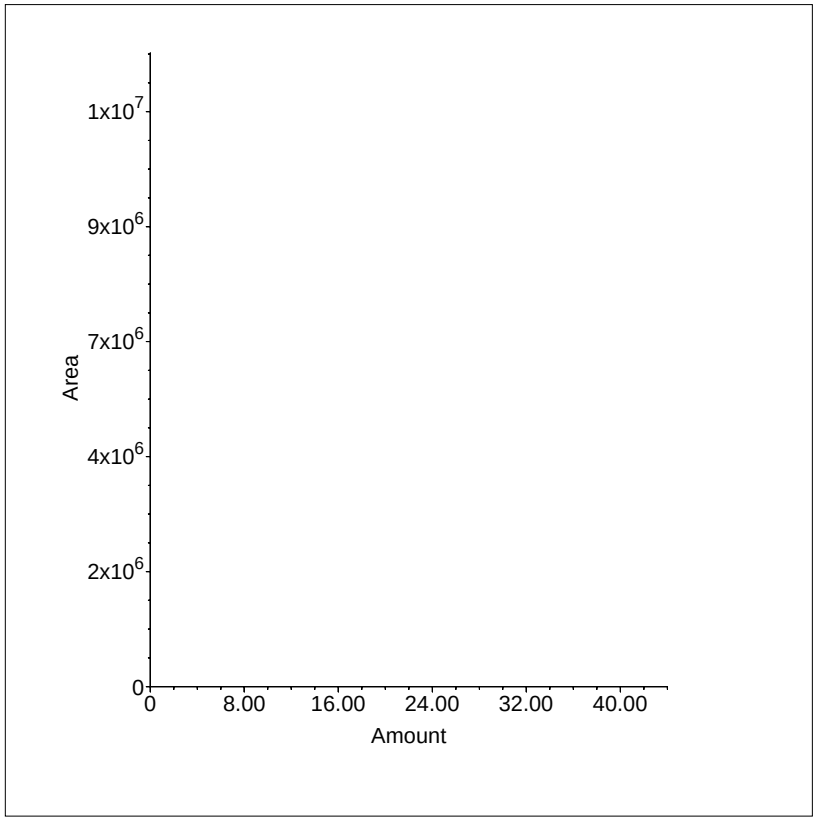
Peak #	Component Name	Retention Time	Cal Response (Previous)	Cal Response (Measured)	Cal Response (New)
3	Fluoride	3.27		4842644	
4	Chloride	4.48	0	12354670	12354670
5	Nitrite	5.30		4956253	
6	Bromide	6.50		1287740	
7	Nitrate	7.37		10022848	
8	O.Phos	10.37		3099608	
9	Sulfate	12.70	0	14141274	14141274



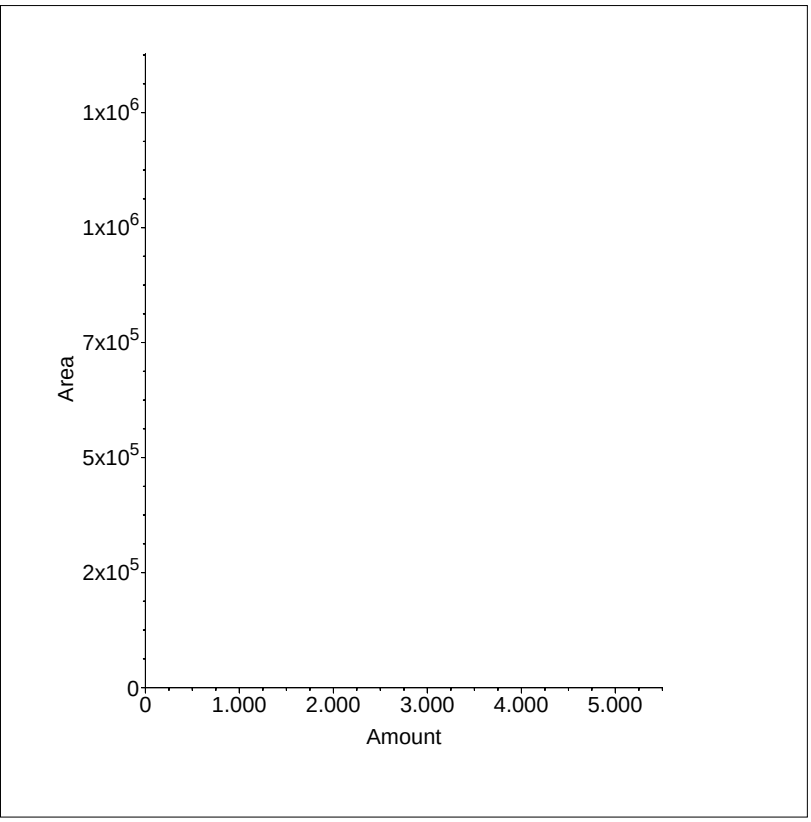
1. Component:Fluoride
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.997828
Amt=3.32e-006*Resp+0.1386



2. Component:Chloride
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.996205
Amt=3.274e-006*Resp+0.7982

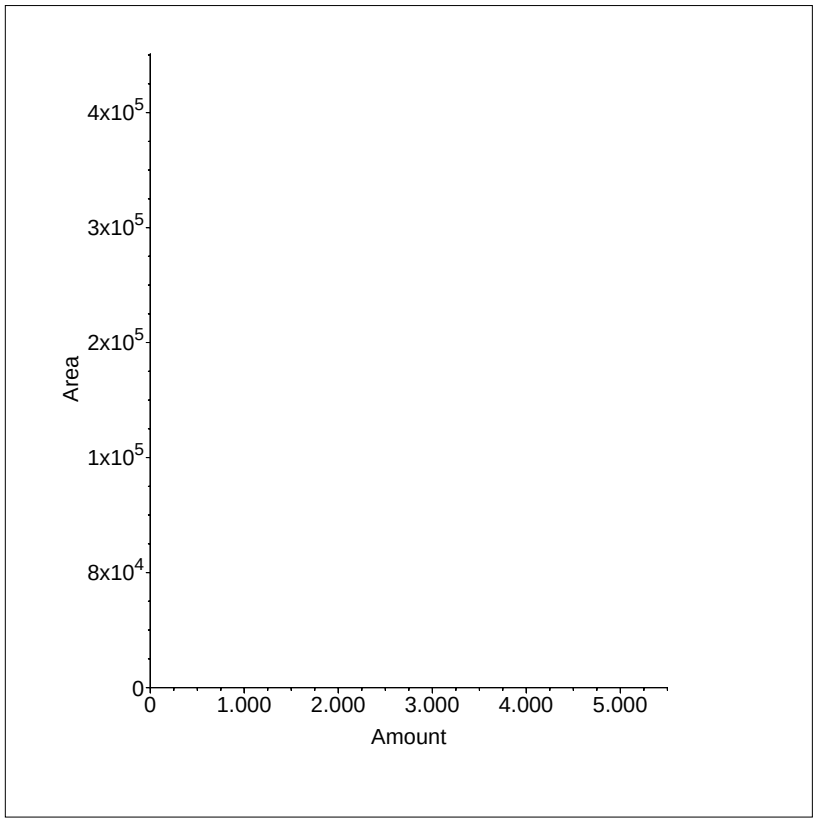


3. Component:Nitrite
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.991918
Amt=3.808e-006*Resp+0.2969

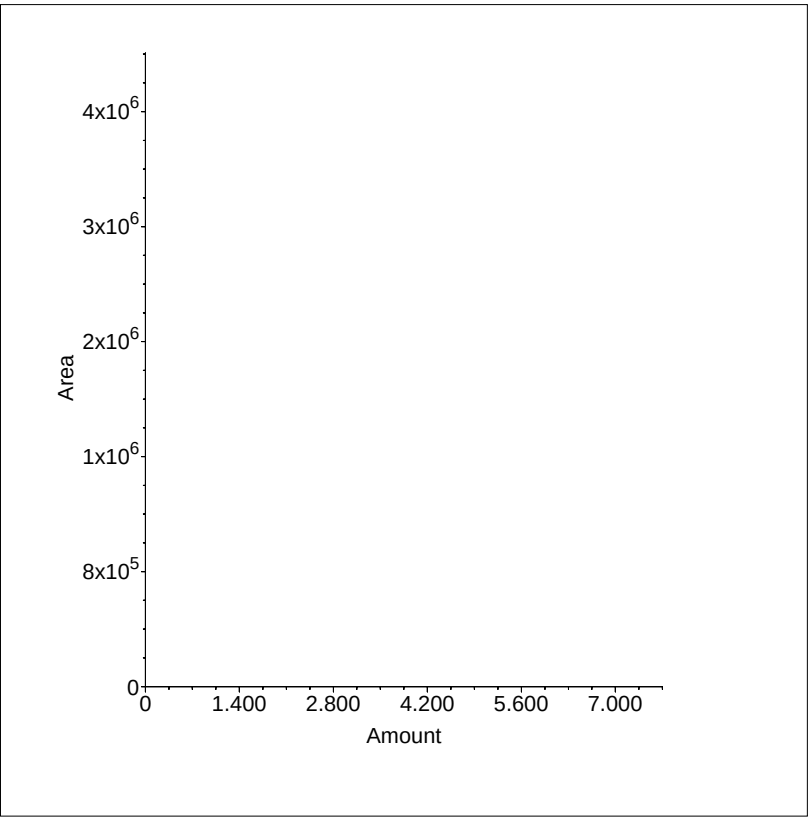


4. Component:Bromide
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area

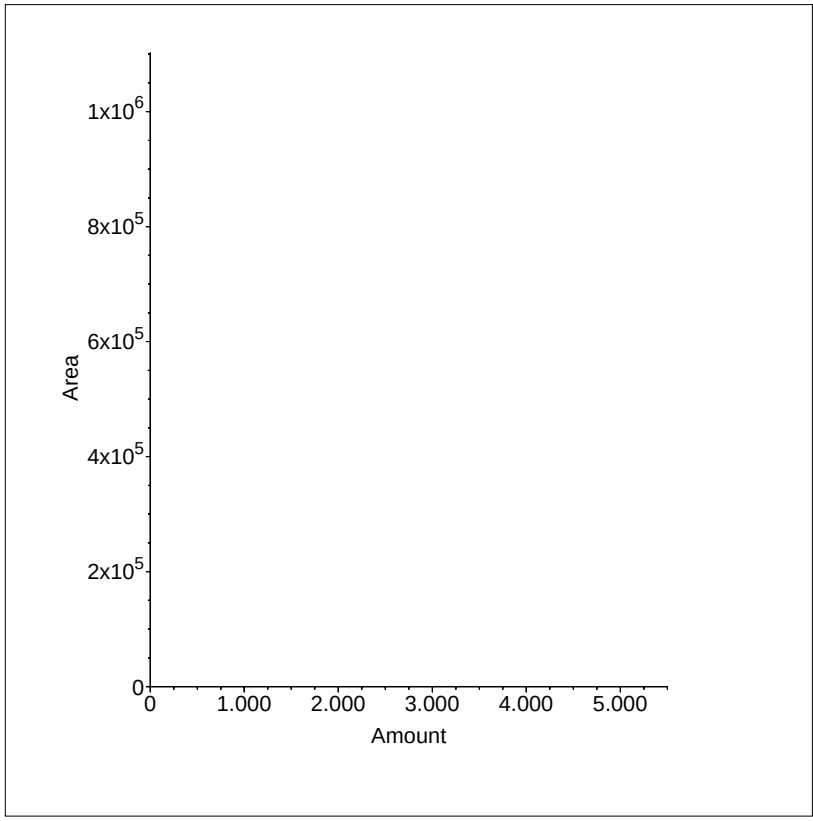
Amt=1.19e-005*Resp+0.02604



5. Component:Nitrate
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.997614
Amt=1.573e-006*Resp+0.2219

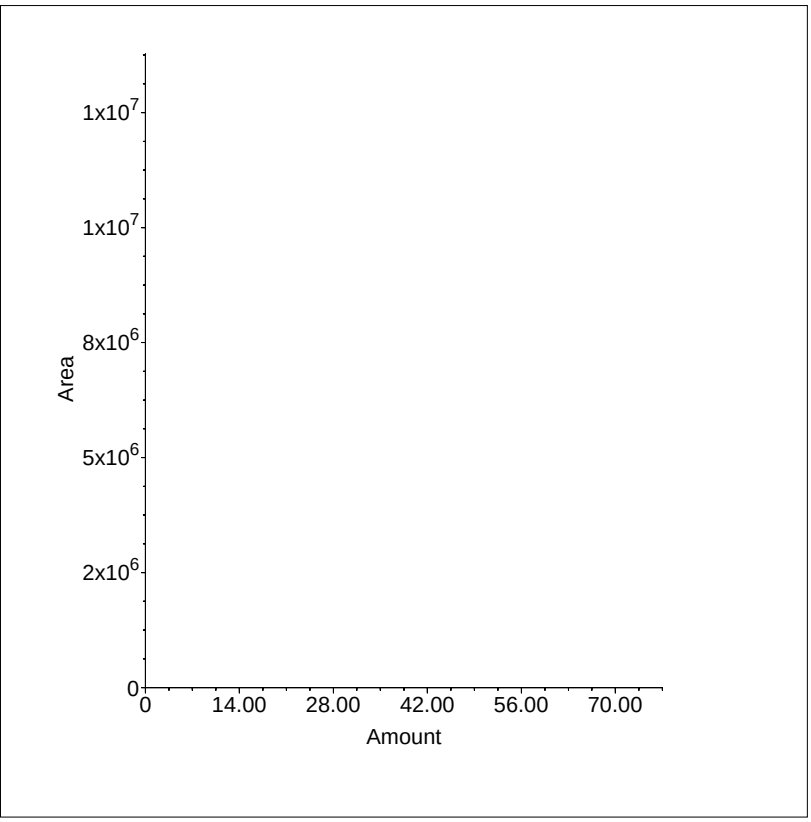


6. Component:O.Phos
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area
r^2=0.999827
Amt=4.777e-006*Resp+-0.02028



7. Component:Sulfate
Standard:External Fit Type:Linear
Origin:Ignore Calibration:Area

Amt=4.997e-006*Resp+1.169



Instrument: *DX-120, System 2*

Cal. File: *W32289*

ICV *W32097* W32202

Analyst: *MDS*

Date: *8/16/2013*

Calibration Concentrations

Analyte	Cal Level 1 Conc. (mg/L)	Cal Level 2 Conc. (mg/L)	Cal Level 3 Conc. (mg/L)	Cal Level 4 Conc. (mg/L)	Cal Level 5 Conc. (mg/L)	Cal Level 6 Conc. (mg/L)	Cal Level 7 Conc. (mg/L)	Cal Level 8 Conc. (mg/L)	ICV Conc. (mg/L)
Fluoride	0.0	0.1	0.5	1.0	2.0	5.0			3.5
Chloride	0.0	0.5	1.0	5.0	10.0	20.0	30.0	40.0	15.0
Nitrite	0.0	0.1	0.5	1.0	2.0	5.0			3.5
Bromide	0.0	0.1	0.5	1.0	2.0	5.0			3.5
Nitrate	0.0	0.1	0.5	1.0	2.0	5.0	7.0		3.5
O-Phoshorous	0.0	0.1	0.5	1.0	2.0	5.0			3.5
Sulfate	0.0	0.5	1.0	5.0	10.0	30.0	50.0	70.0	25.0

Level Not Used

Schedule File: C:\Instrument Archives\Sequences\System 2\97018.sch

Line	Sample	Sample Type	Level	Method
1	CCV W32151 W32277	Sample		w32289.met
2	LCSS X10 W32298	Sample		w32289.met
3	MBS X10	Sample		w32289.met
4	MRLS1-LOQ1 X10 200 mgkg	Sample		w32289.met
5	337811 X10	Sample		w32289.met
6	337812 X10	Sample		w32289.met
7	337813 X10	Sample		w32289.met
8	337815 X10	Sample		w32289.met
9	MSS337815 X10	Sample		w32289.met
10	MSDS337815 X10	Sample		w32289.met
11	337818 X10	Sample		w32289.met
12	337820 X10	Sample		w32289.met
13	337822 X10	Sample		w32289.met
14	337824 X10	Sample		w32289.met
15	CCV W32151 W32277	Sample		w32289.met
16	CCB	Sample		w32289.met
17	337826 X10	Sample		w32289.met
18	337828 X10	Sample		w32289.met
19	337830 X10	Sample		w32289.met
20	337832 X10	Sample		w32289.met
25	MRLS2-LOQ2 X10 200 mgkg	Sample		w32289.met
26	MDLS1-L0D1 X10 100 mgkg	Sample		w32289.met
29	CCV W32151 W32277	Sample		w32289.met
30	CCB	Sample		w32289.met

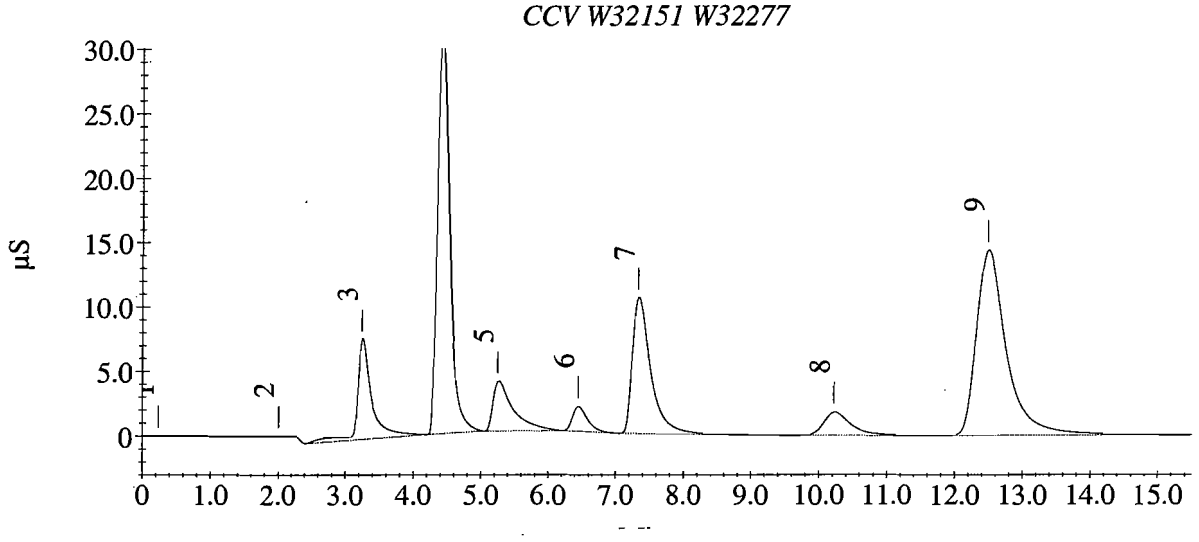
Sample Analysis Report

Sample Name : CCV W32151 W32277
Data File Name : c:\instrument archives\data\system 2\97018\CCV W32151 W32277_001.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 10:59:21
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
3	Fluoride	3.23	3.9424	1145561	76637	
4	Chloride	4.42	13.5535	3896114	308903	
5	Nitrite	5.25	3.3362	798045	38242	
6	Bromide	6.45	3.5271 6.6409	294106	19004	
7	Nitrate	7.33	3.3047	1959471	104590	
8	O.Phos	10.22	2.4751	522311	17850	
9	Sulfate	12.48	23.3474	4438129	143349	



Sample Analysis Report

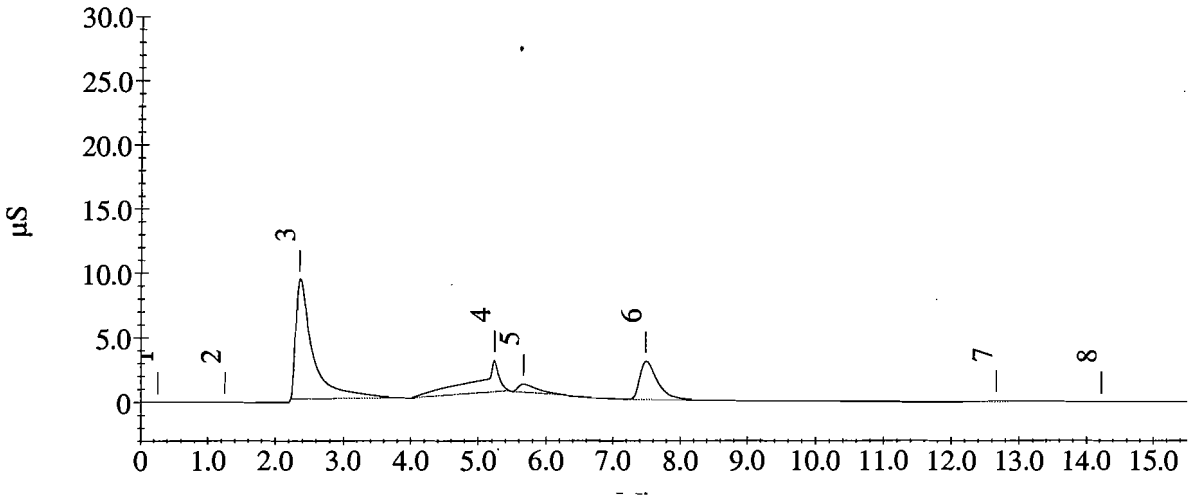
Sample Name : LCSS X10 W32298
Data File Name : C:\INSTRUMENT ARCHIVES\DATA\SYSTEM 2\97018\LCSS X10 W32298_002.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 11:47:11
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
5	Nitrite	5.67	0.7212 1.7972	111408	6214	
6	Nitrate	7.48	1.0760	542859	29336	
7	Sulfate	12.67	1.3572	37566	1068	

LCSS X10 W32298



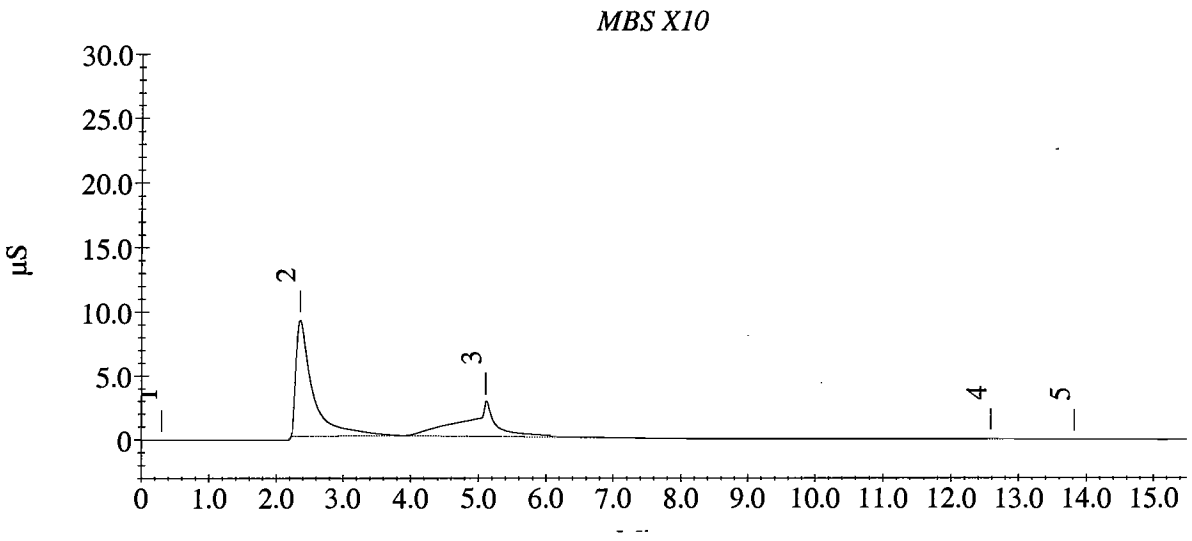
Sample Analysis Report

Sample Name : MBS X10
Data File Name : c:\instrument archives\data\system 2\97018\MBS X10_003.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 12:04:59
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
4	Sulfate	12.58	1.3567	37469	1046	



Sample Analysis Report

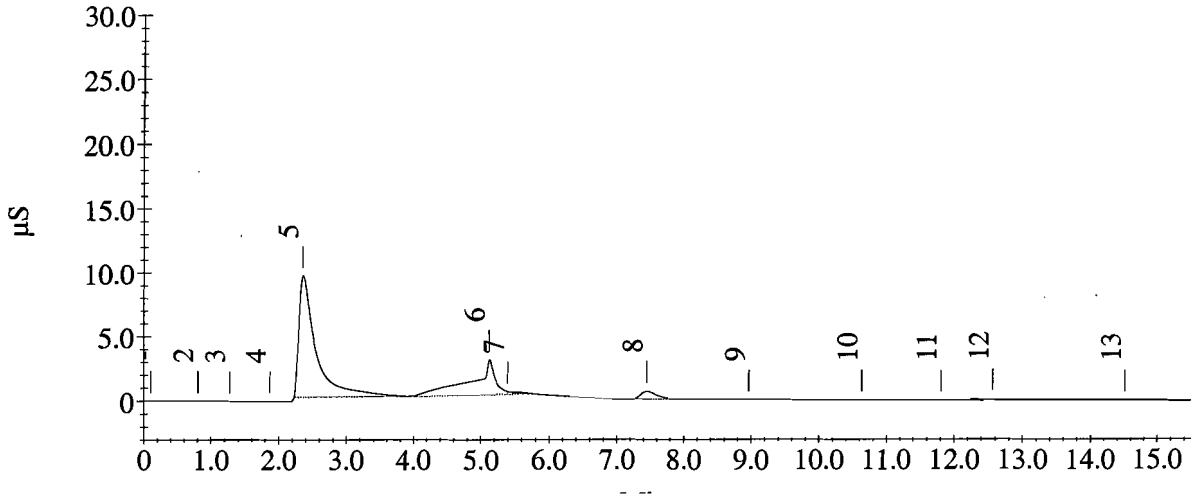
Sample Name : MRLS1-LOQ1 X10 200 mgkg
Data File Name : ...\MRL1-LOQ1 X10 200 MGKG_004.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 12:22:44
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
7	Nitrite	5.40	0.3881 \ 0.7698	23930	2110	
8	Nitrate	7.45	0.3817 /	101549	5983	
10	O.Phos	10.63	0.0035	4983	188	
12	Sulfate	12.57	1.3462	35368	1108	

MRLS1-LOQ1 X10 200 mgkg



157.746 mg/kg

Sample Analysis Report

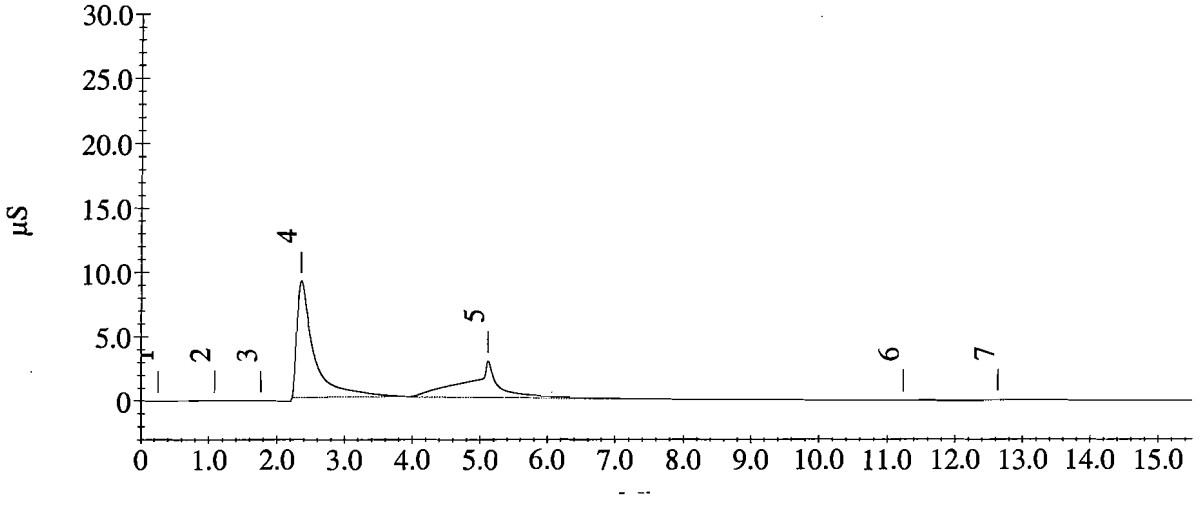
Sample Name : 337811 X10
Data File Name : c:\instrument archives\data\system 2\97018\337811 X10_005.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 12:40:33
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
6	O.Phos	11.23	-0.0122	1691	134	
7	Sulfate	12.63	1.3294	32010	934	

337811 X10



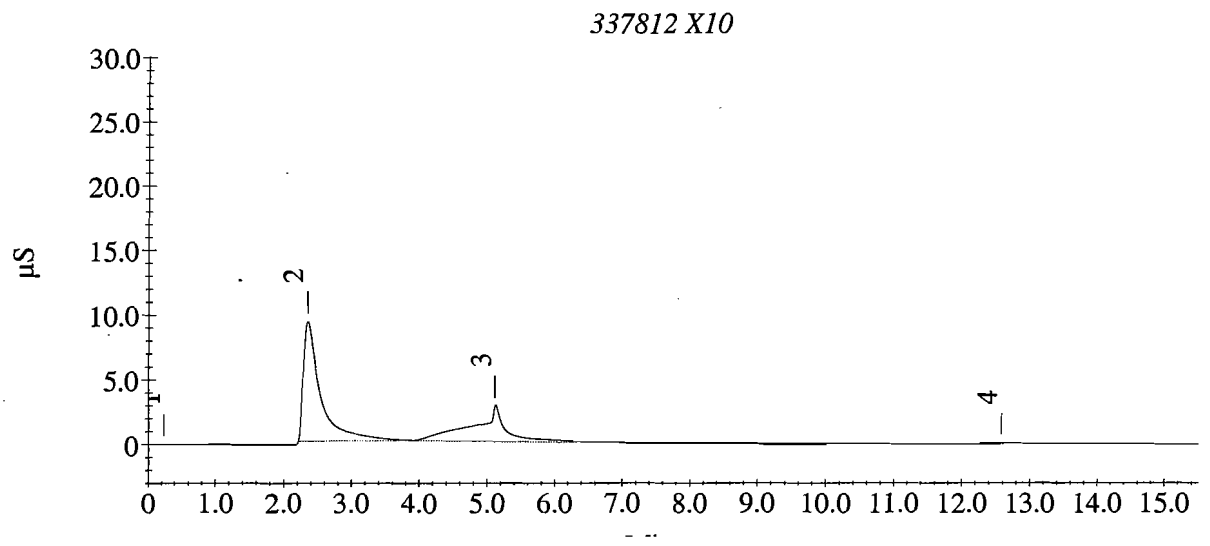
Sample Analysis Report

Sample Name : 337812 X10
Data File Name : c:\instrument archives\data\system 2\97018\337812 X10_006.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 12:58:18
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
4	Sulfate	12.58	1.3533	36786	948	



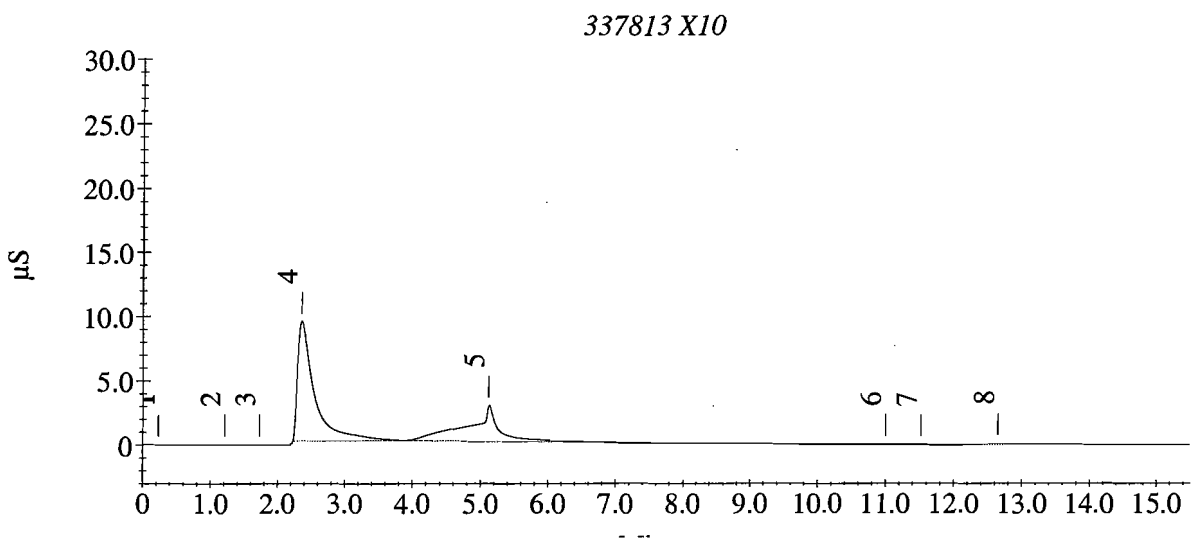
Sample Analysis Report

Sample Name : 337813 X10
Data File Name : c:\instrument archives\data\system 2\97018\337813 X10_007.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 13:16:05
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
8	Sulfate	12.65	1.3290	31937	858	



Sample Analysis Report

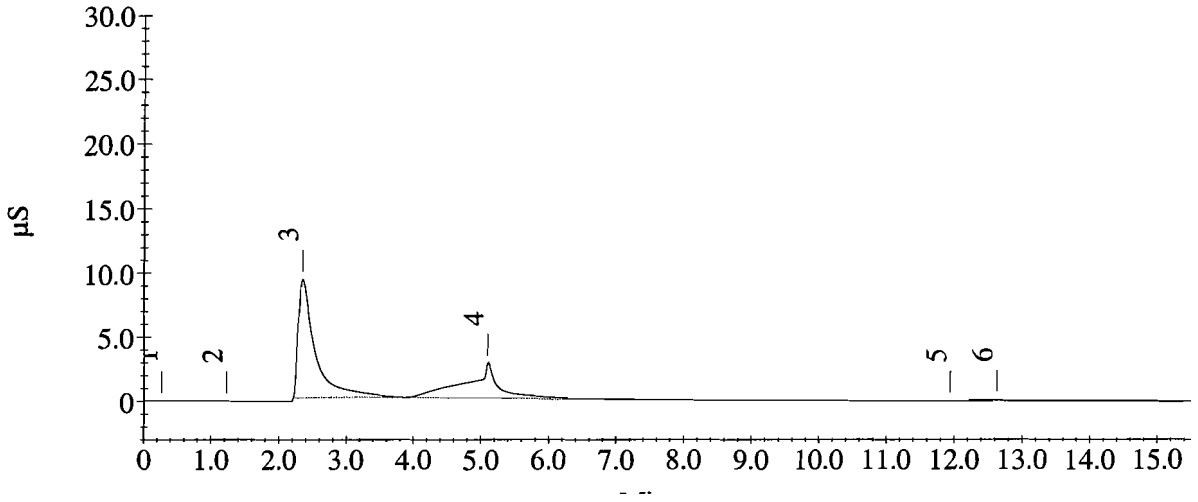
Sample Name : 337815 X10
Data File Name : c:\instrument archives\data\system 2\97018\337815 X10_008.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 13:33:52
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
6	Sulfate	12.63	1.3008	26296	818	

337815 X10



Sample Analysis Report

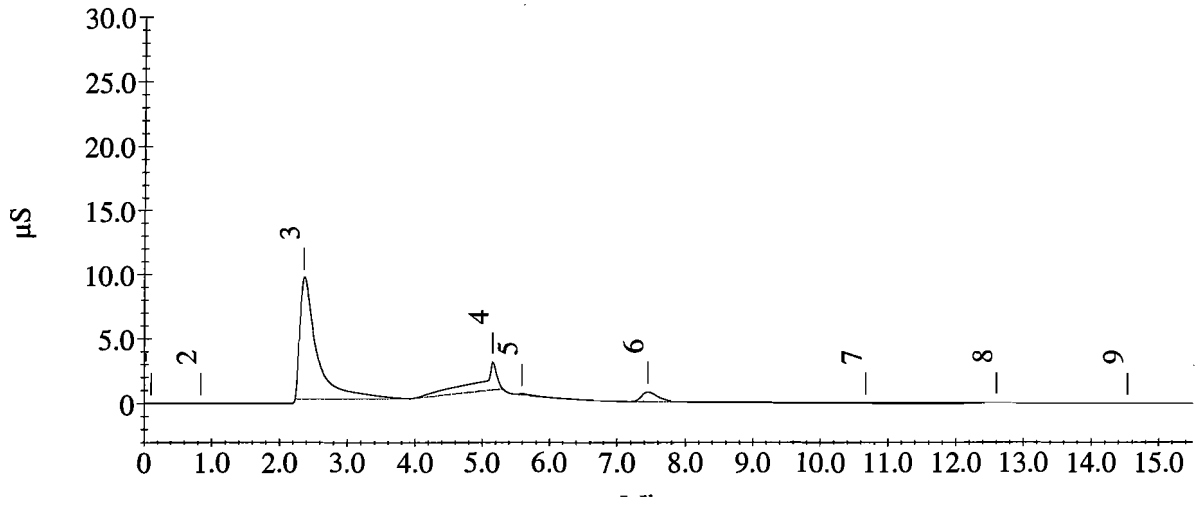
Sample Name : MSS337815 X10
Data File Name : C:\INSTRUMENT ARCHIVES\DATA\SYSTEM 2\97018\MSS337815 X10_009.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 13:51:39
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
5	Nitrite	5.58	0.3487 / 0.7772	13596	779	
6	Nitrate	7.45	0.4285	131293	7381	
7	O.Phos	10.67	0.0048	5248	193	
8	Sulfate	12.60	1.2749	21103	823	

MSS337815 X10



Sample Analysis Report

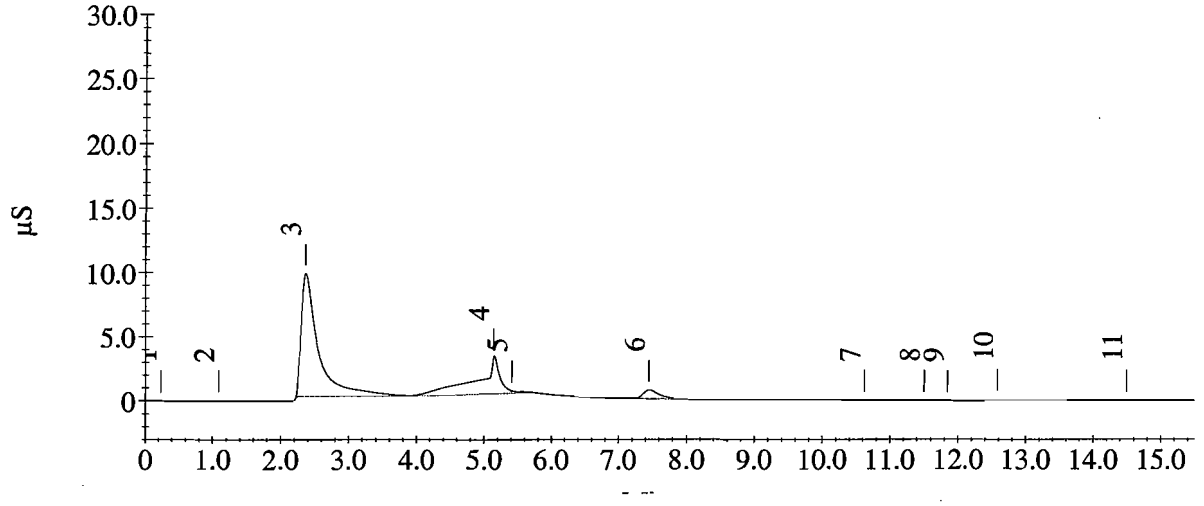
Sample Name : MSDS337815 X10
Data File Name : C:\INSTRUMENT ARCHIVES\DATA\SYSTEM 2\97018\MSDS337815 X10_010.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 14:09:25
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
5	Nitrite	5.41	0.3656 / 0.7767	18038	1912	
6	Nitrate	7.45	0.4111	120217	6760	
7	O.Phos	10.62	-0.0121	1720	101	
10	Sulfate	12.58	1.2826	22641	830	

MSDS337815 X10



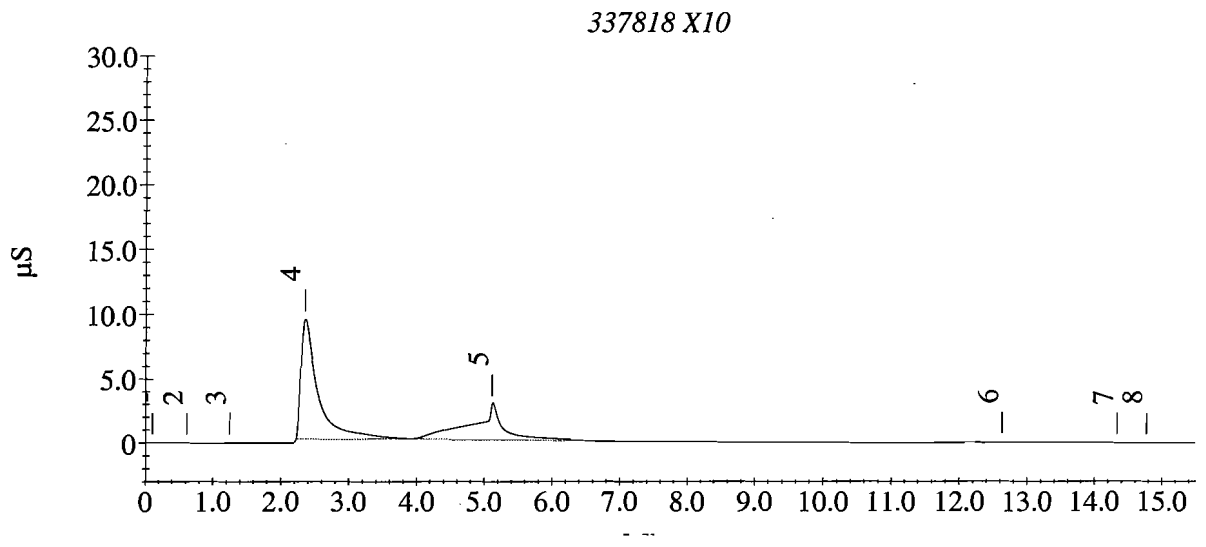
Sample Analysis Report

Sample Name : 337818 X10
Data File Name : c:\instrument archives\data\system 2\97018\337818 X10_011.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 14:27:12
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
6	Sulfate	12.63	1.2944	25011	867	



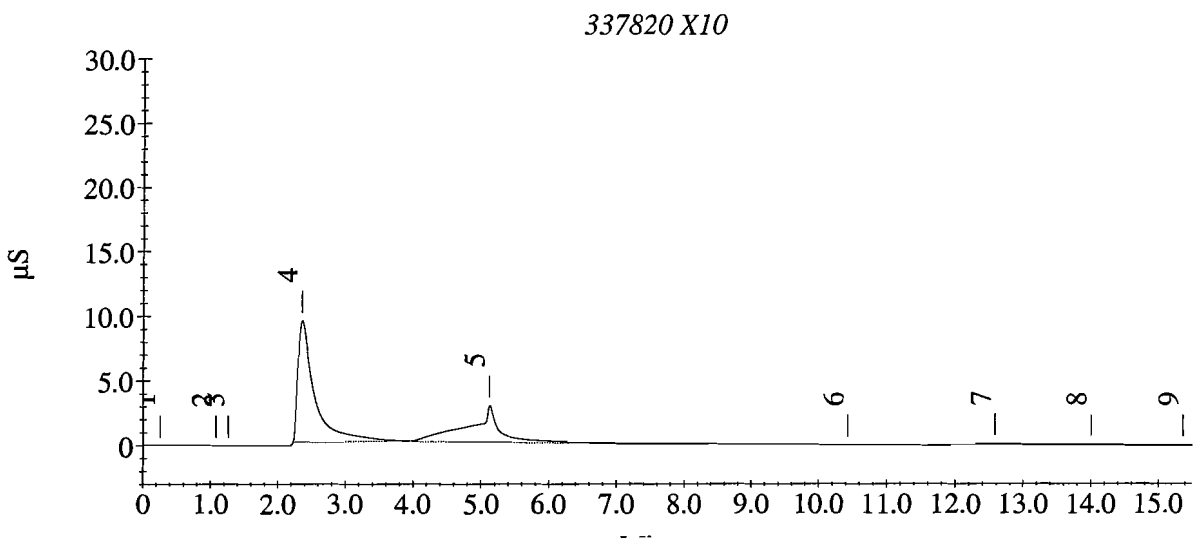
Sample Analysis Report

Sample Name : 337820 X10
Data File Name : c:\instrument archives\data\system 2\97018\337820 X10_012.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 14:44:59
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
7	Sulfate	12.58	1.2894	24005	811	



Sample Analysis Report

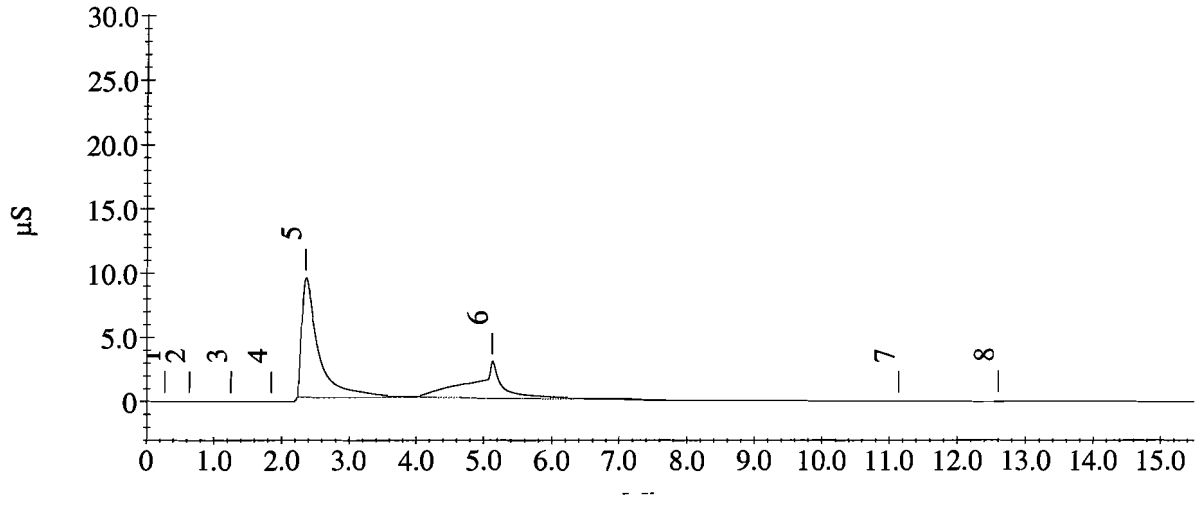
Sample Name : 337822 X10
Data File Name : c:\instrument archives\data\system 2\97018\337822 X10_013.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 15:02:46
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
7	O.Phos	11.13	-0.0041	3377	152	
8	Sulfate	12.60	1.3000	26134	846	

337822 X10



Sample Analysis Report

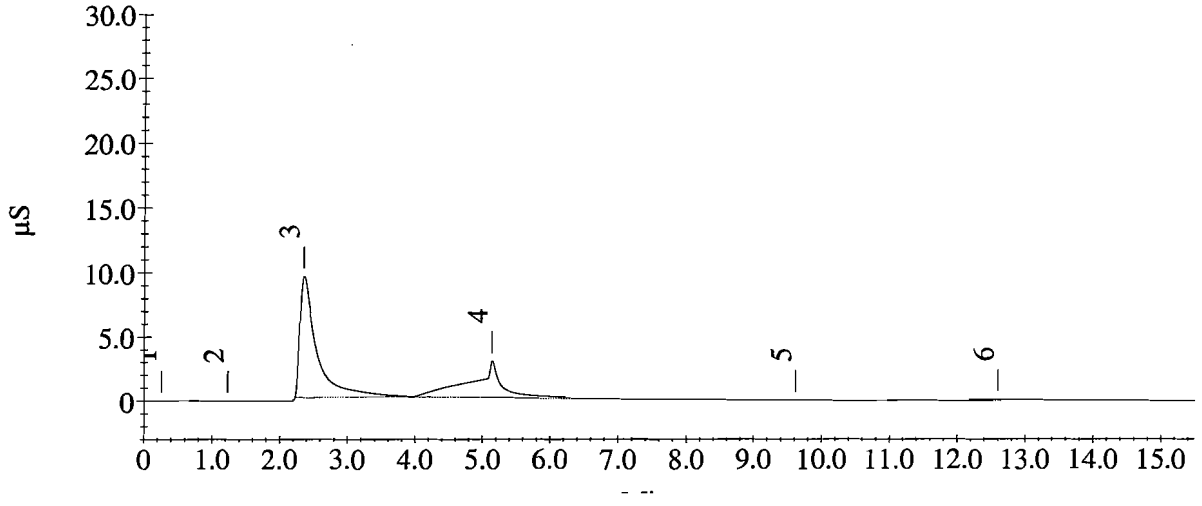
Sample Name : 337824 X10
Data File Name : c:\instrument archives\data\system 2\97018\337824 X10_014.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 15:20:32
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
5	O.Phos	9.62	-0.0150	1115	90	
6	Sulfate	12.60	1.3380	33733	885	

337824 X10



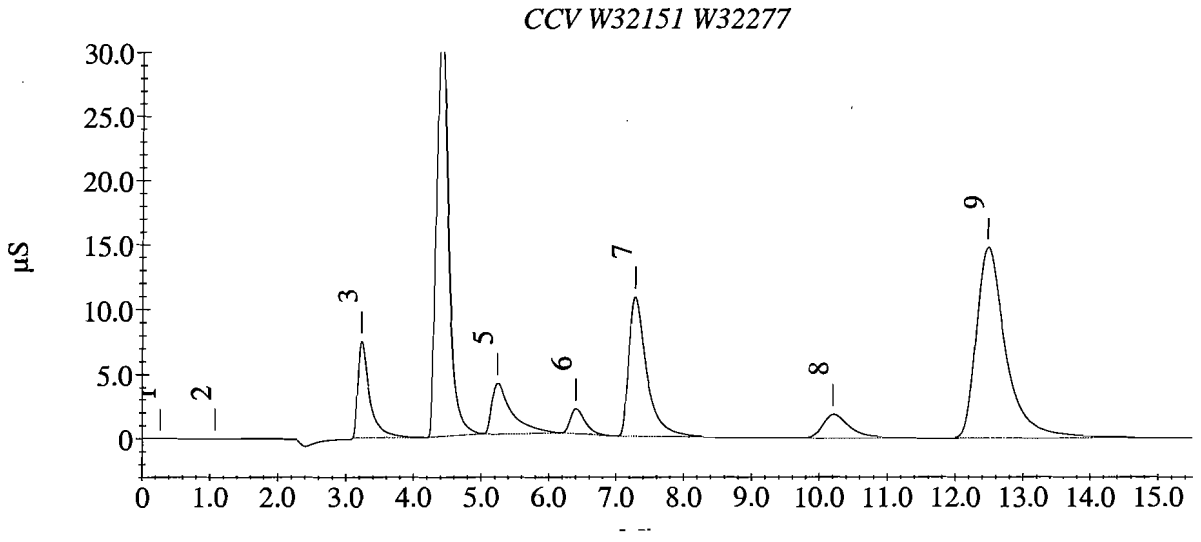
Sample Analysis Report

Sample Name : CCV W32151 W32277
Data File Name : C:\INSTRUMENT ARCHIVES\DATA\SYSTEM 2\97018\CCV W32151 W32277_015.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 15:38:19
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
3	Fluoride	3.23	3.1555	908573	74423	
4	Chloride	4.40	13.7218	3947529	314991	
5	Nitrite	5.23	3.3530	802468	39082	
6	Bromide	6.40	3.5495 / 6.6843	295991	19331	
7	Nitrate	7.28	3.3313	1976354	107455	
8	O.Phos	10.20	2.4840	524181	18441	
9	Sulfate	12.47	23.7170	4512081	147005	



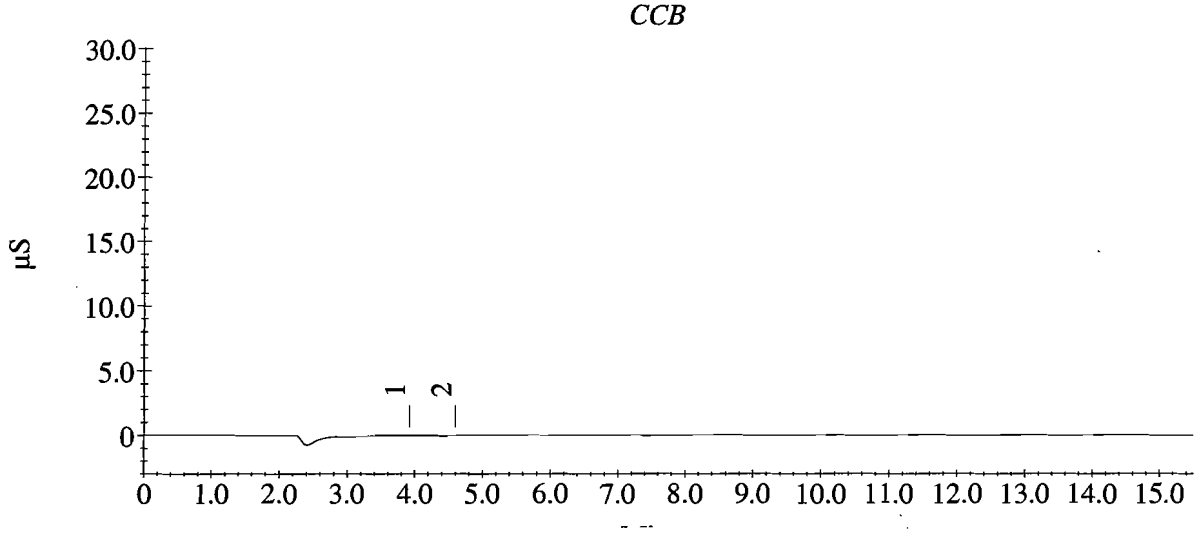
Sample Analysis Report

Sample Name : CCB
Data File Name : C:\INSTRUMENT ARCHIVES\DATA\SYSTEM 2\97018\CCB_016.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 15:56:06
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
2	Chloride	4.60	0.8203	6764	342	



Sample Analysis Report

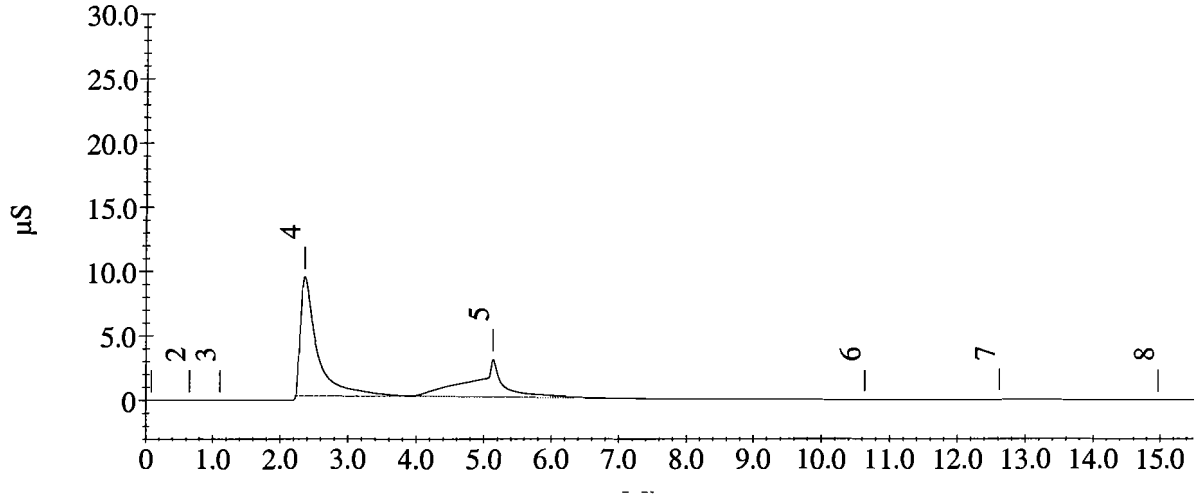
Sample Name : 337826 X10
Data File Name : c:\instrument archives\data\system 2\97018\337826 X10_017.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 16:13:54
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
6	O.Phos	10.63	-0.0135	1420	95	
7	Sulfate	12.62	1.3481	35743	960	

337826 X10



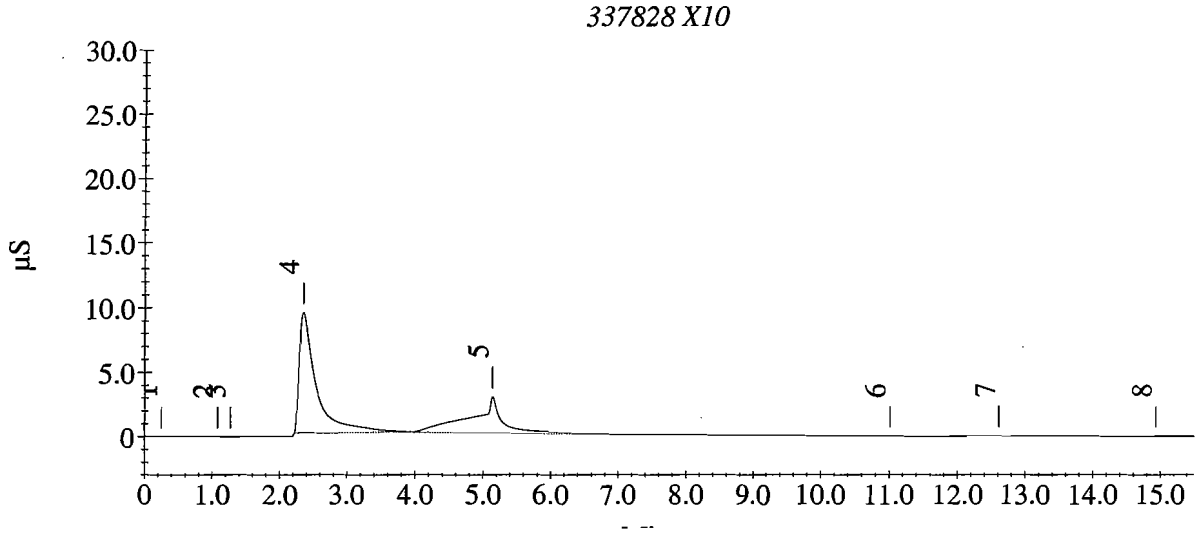
Sample Analysis Report

Sample Name : 337828 X10
Data File Name : c:\instrument archives\data\system 2\97018\337828 X10_018.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 16:31:41
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
7	Sulfate	12.62	1.2986	25849	857	



Sample Analysis Report

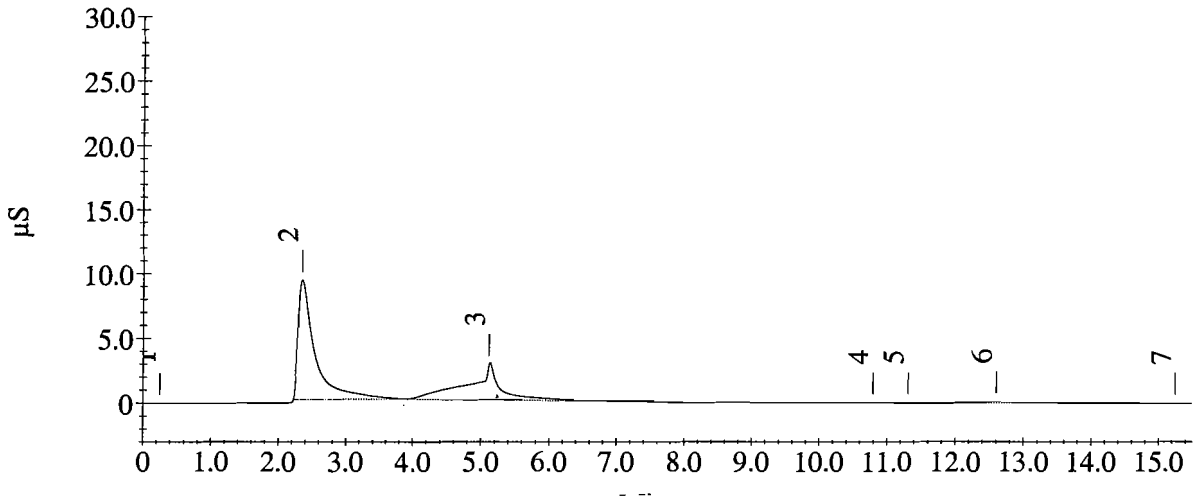
Sample Name : 337830 X10
Data File Name : c:\instrument archives\data\system 2\97018\337830 X10_019.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 16:49:27
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
4	O.Phos	10.80	-0.0148	1144	107	
6	Sulfate	12.60	1.3025	26630	902	

337830 X10



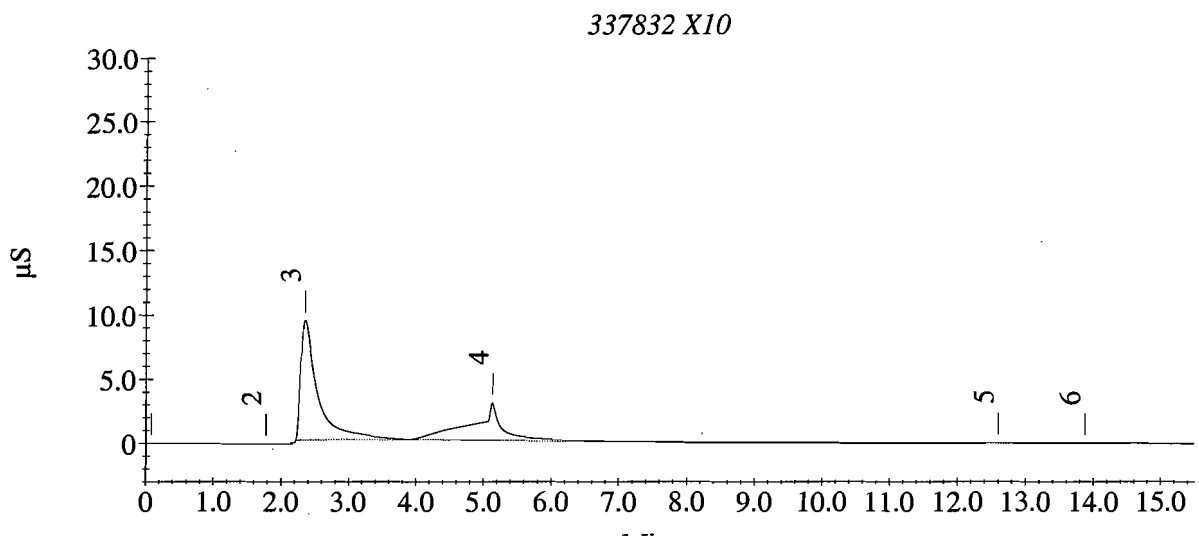
Sample Analysis Report

Sample Name : 337832 X10
Data File Name : c:\instrument archives\data\system 2\97018\337832 X10_020.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 17:07:14
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
5	Sulfate	12.60	1.3352	33168	993	



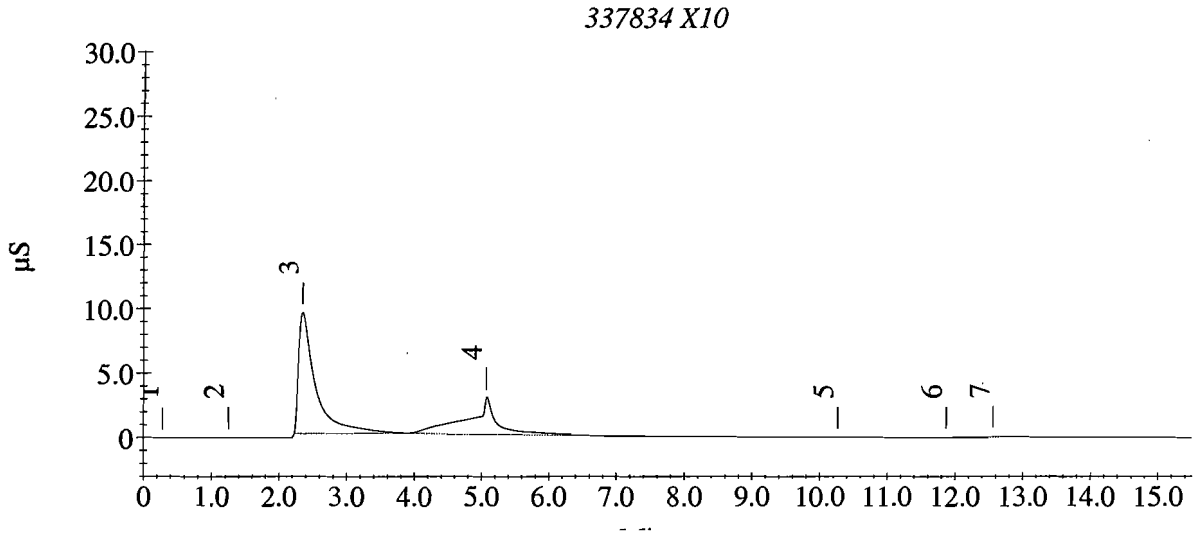
Sample Analysis Report

Sample Name : 337834 X10
Data File Name : c:\instrument archives\data\system 2\97018\337834 X10_021.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 17:25:01
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
7	Sulfate	12.57	1.3072	27560	849	



Sample Analysis Report

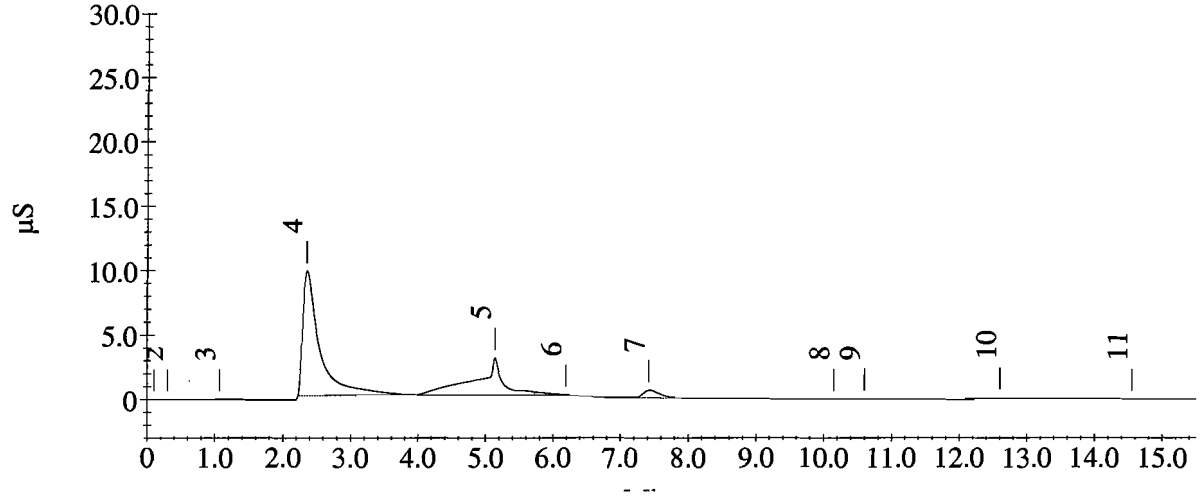
Sample Name : MRLS2-LOQ2 X10 200 mgkg
Data File Name : ...\MRL2-LOQ2 X10 200 MGKG_025.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 18:36:08
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
6	Nitrite	6.19	0.4013 / 0.7847	27401	13	
7	Nitrate	7.42	0.3834	102604	5945	
9	O.Phos	10.60	-0.0104	2075	117	
10	Sulfate	12.60	1.3060	27329	982	

MRLS2-LOQ2 X10 200 mgkg



160.7992 mg/kg

Sample Analysis Report

(311331)

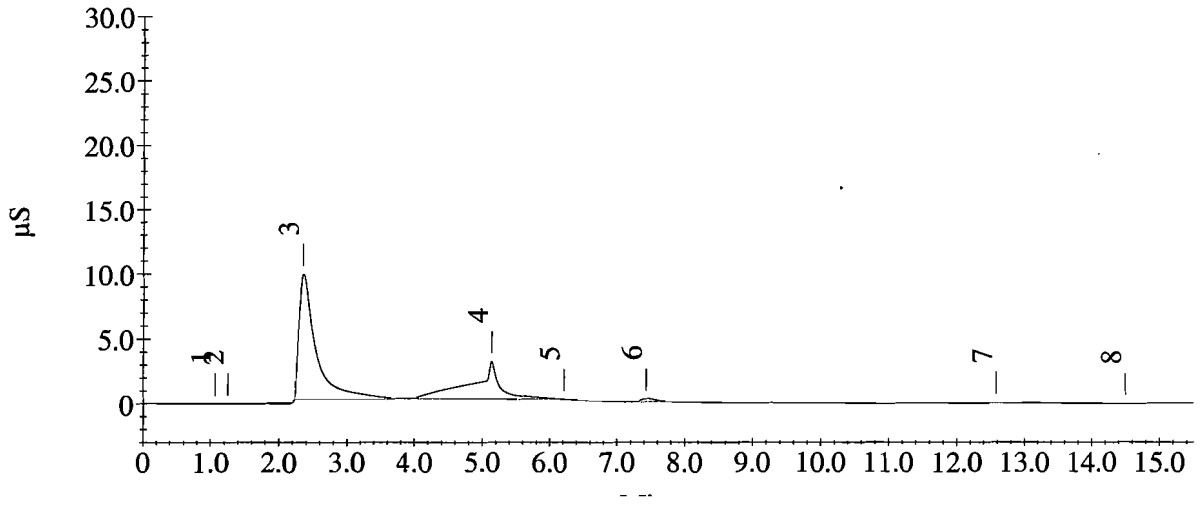
Sample Name : MDLS1-L0D1 X10 100 mgkg
Data File Name : ...\MDL1-L0D1 X10 100 MGKG_026.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 18:53:55
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
5	Nitrite	6.21	0.3168	5220	8	
6	Nitrate	7.43	0.2870 0.6038	41317	2460	
7	Sulfate	12.58	1.3198	30095	1019	

MDLS1-L0D1 X10 100 mgkg



123.7295 mg/kg

Sample Analysis Report

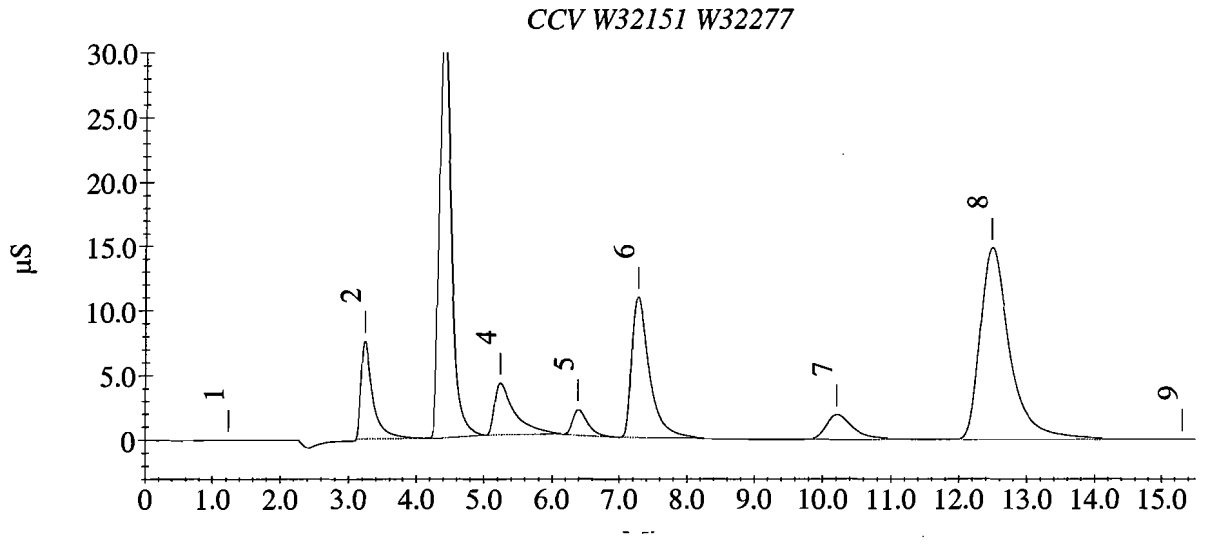
Sample Name : CCV W32151 W32277
Data File Name : C:\INSTRUMENT ARCHIVES\DATA\SYSTEM 2\97018\CCV W32151 W32277_029.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 19:47:14
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
2	Fluoride	3.23	3.1485	906458	75342	
3	Chloride	4.38	13.7842	3966578	312125	
4	Nitrite	5.23	3.4007	815006	39792	
5	Bromide	6.38	3.5645	297252	19475	
6	Nitrate	7.27	3.3397	1981715	108629	
7	O.Phos	10.20	2.6181	552257	19323	
8	Sulfate	12.47	23.8179	4532275	148627	

6.7404



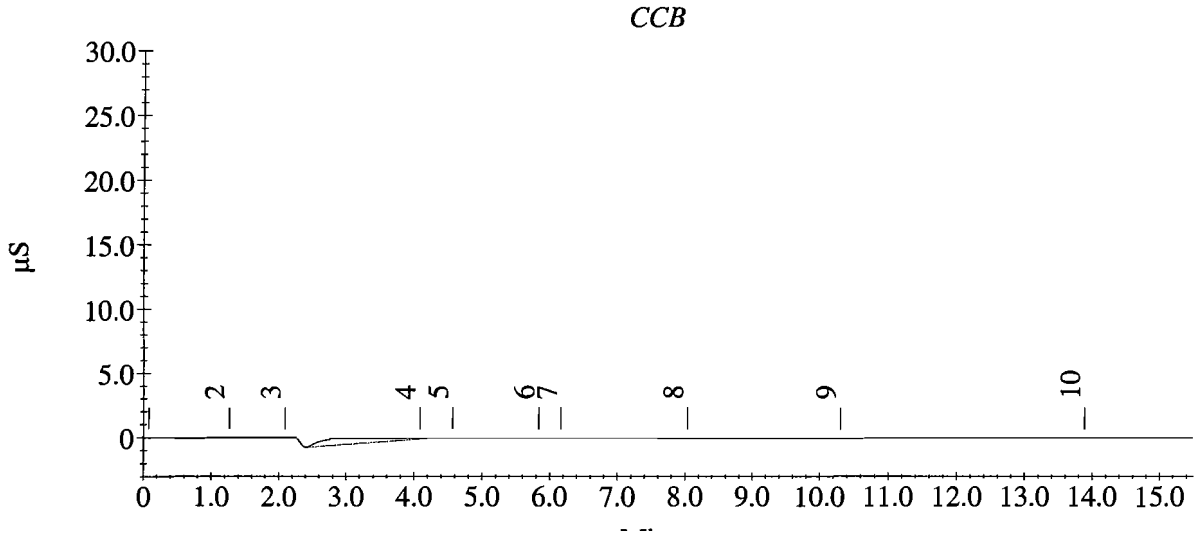
Sample Analysis Report

Sample Name : CCB
Data File Name : c:\instrument archives\data\system 2\97018\CCB_030.DXD

Method File Name : c:\instrument archives\methods\system 2\w32289.met
Date Time Collected : 08/25/2013 20:05:01
System Operator : RLD

Peak Information : Found Components

Peak #	Component Name	Retention Time	Amount	Peak Area	Peak Height	Limit Exceeded
5	Chloride	4.57	0.8042	1855	195	



TOTAL SOLIDS (PERCENT)

LIMS #: 96720

Start Date:	**08/20/2013**	**Start Time:**	13:00		**Analyst:**	TPV
	Sample ID#	**Dish#**	**Tared Weight g** *(D)*	**Wet Weight g** *(E)*	**Dry Weight g** *(F)*	**RESULTS % TOTAL SOLIDS**
1)	337811	P3097	2.65	13.41	13.14	97.5%
2)	337812	P3098	2.65	12.82	12.57	97.5%
3)	337813	P3069	2.66	16.63	16.07	96.0%
4)	337818	P4055	2.66	13.27	12.64	94.1%
5)	337820	P3071	2.66	14.92	14.56	97.1%
6)	337822	P3073	2.65	18.53	17.72	94.9%
7)	337824	P3074	2.65	19.77	19.10	96.1%
8)	337826	P3070	2.66	13.80	13.38	96.2%
9)	337828	P3076	2.64	14.92	14.50	96.6%
10)	337830	P3075	2.65	13.54	13.26	97.4%
11)	337832	P3072	2.66	16.35	15.71	95.3%
12)	337834	P3077	2.65	14.93	14.55	96.9%
13)						0.0%
14)						0.0%
15)						0.0%
16)						0.0%
17)						0.0%
18)						0.0%
19)						0.0%
*20)	337815	P3068	2.67	17.28	16.64	95.6%
Dup 20)	337815	P3095	2.66	14.27	13.76	95.6%

Dry Weight = Sample + Dish (gms)		* 2nd Reading,	16.64
Wet Weight = Sample + Dish (gms)			Set RPD: 0%
	Balance: BD-202		
			*mg Difference 0

Stop Date:	08/21/2013
Stop Time:	10:18

Calculations

*2nd reading must be within 50mg of the 1st

% Total Solids = ((*F-D*)/(*E-D*))*100

RPD, % = Absolute value of…((Sample-Dup % TS)/(Average%TS))*100

TOTAL SOLIDS (PERCENT)

LIMS #: 96718

Start Date:	**08/14/2013**	**Start Time:**	12:15		**Analyst:**	TPV
	Sample ID#	**Dish#**	**Tared Weight g** *(D)*	**Wet Weight g** *(E)*	**Dry Weight g** *(F)*	**RESULTS % TOTAL SOLIDS**
1)	337814	P9212	2.68	8.79	7.83	84.3%
2)	337819	P3377	2.65	9.10	7.94	82.0%
3)	337821	P4148	2.65	8.88	7.83	83.1%
4)	337823	P4150	2.65	7.59	6.81	84.2%
5)	337825	P4149	2.65	8.52	7.66	85.3%
6)	337827	P4043	2.67	14.87	13.00	84.7%
7)	337829	P4151	2.68	9.00	8.03	84.7%
8)	337831	P3378	2.65	9.35	8.34	84.9%
9)	337833	P3379	2.66	15.29	13.18	83.3%
10)						0.0%
11)						0.0%
12)						0.0%
13)						0.0%
14)						0.0%
15)						0.0%
16)						0.0%
17)						0.0%
18)						0.0%
19)						0.0%
*20)	337816	P4152	2.69	9.68	8.38	81.4%
Dup 20)	337816	P3381	2.68	8.95	7.82	82.0%

Dry Weight = Sample + Dish (gms)		* 2nd Reading,	8.38	
Wet Weight = Sample + Dish (gms)			Set RPD:	1%
	Balance: BD-202			
			*mg Difference	0

Stop Date:	08/15/2013
Stop Time:	08:32

Calculations

*2nd reading must be within 50mg of the 1st

% Total Solids = ((*F-D*)/(*E-D*))*100

RPD, % = Absolute value of…((Sample-Dup % TS)/(Average%TS))*100

TOTAL SOLIDS (PERCENT)

LIMS #: 96800

Start Date:	**08/16/2013**	**Start Time:**	14:10		**Analyst:**	TPV
	Sample ID#	**Dish#**	**Tared Weight g** *(D)*	**Wet Weight g** *(E)*	**Dry Weight g** *(F)*	**RESULTS % TOTAL SOLIDS**
1)	338707	P3081	2.70	12.43	9.88	73.8%
2)	338807	P4478	2.76	9.25	8.28	85.1%
3)	338808	P4464	2.71	8.45	7.60	85.2%
4)						0.0%
5)						0.0%
6)						0.0%
7)						0.0%
8)						0.0%
9)						0.0%
10)						0.0%
11)						0.0%
12)						0.0%
13)						0.0%
14)						0.0%
15)						0.0%
16)						0.0%
17)						0.0%
18)						0.0%
19)						0.0%
*20)	338810	P4466	2.74	6.04	5.43	81.5%
Dup 20)	338810	P3067	2.65	5.63	5.06	80.9%

Dry Weight = Sample + Dish (gms)		* **2nd Reading,**	5.43
Wet Weight = Sample + Dish (gms)			Set RPD: 1%
	Balance: BD-202		
			*mg Difference 0

Stop Date: 08/19/2013

Stop Time: 09:35

Calculations

*2nd reading must be within 50mg of the 1st

% Total Solids = ((*F-D*)/(*E-D*))*100

RPD, % = Absolute value of…((Sample-Dup % TS)/(Average%TS))*100

INORGANICS
LOGBOOK
DOCUMENTS

SOIL PREP/MIX KREJCI Analytical Run # 96788 on 08/15/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
99211	337811	083SB-0001M-0001-SO	08/12/2013 1512		ECC	RVAAP	HOMOGEN/M.I. PREP		S	**4**	
99211	337812	083SB-0002M-0001-SO	08/12/2013 1516		ECC	RVAAP	HOMOGEN/M.I. PREP		S	**4**	
99211	337813	083SB-0003M-0001-SO	08/12/2013 1141		ECC	RVAAP	HOMOGEN/M.I. PREP		S	**4**	
99211	337815	083SB-0004M-0001-SO	08/12/2013 1215		ECC	RVAAP	HOMOGEN/M.I. PREP		S	**4**	
99211	337818	083SB-0005M-0001-SO	08/12/2013 1245	Designated MS/MSD	ECC	RVAAP	HOMOGEN/M.I. PREP		S	**4**	
99211	337820	083SB-0006M-0001-SO	08/12/2013 1245		ECC	RVAAP	HOMOGEN/M.I. PREP		S	**4**	
99211	337822	083SB-0008M-0001-SO	08/12/2013 1315		ECC	RVAAP	HOMOGEN/M.I. PREP		S	**4**	
99211	337824	083SB-0009M-0001-SO	08/12/2013 1415		ECC	RVAAP	HOMOGEN/M.I. PREP		S	**4**	
99211	337826	083SB-0011M-0001-SO	08/12/2013 1440		ECC	RVAAP	HOMOGEN/M.I. PREP		S	**4**	
99211	337828	083SB-0012M-0001-SO	08/12/2013 1455		ECC	RVAAP	HOMOGEN/M.I. PREP		S	**4**	
99211	337830	083SB-0013M-0001-SO	08/12/2013 1510		ECC	RVAAP	HOMOGEN/M.I. PREP		S	**4**	
99211	337832	083SB-0014-0001-SO	08/12/2013 1415		ECC	RVAAP	HOMOGEN/M.I. PREP		S	**4**	
99211	337834	083SB-0015M-0001-SO	08/12/2013 1514		ECC	RVAAP	HOMOGEN/M.I. PREP		S	**4**	

13 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

WNITROCELLULOSE IC Analytical Run
97018 on 8/27/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	ANALYTE	SAMPLE DATE:		QC TYPE (Parent Sample)		CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
	346239								WNITROCELLULOSE IC				
		Nitrocellulose			ICV								
	346240								WNITROCELLULOSE IC				
		Nitrocellulose			ICB								
	342370								NITROCELLULOSE QSM				
		Nitrocellulose			MBS					45577			
	346234								WNITROCELLULOSE IC				
		Nitrocellulose			CCV								
	342371								NITROCELLULOSE QSM				
		Nitrocellulose			LCSS					45577			
	346225								WNITROCELLULOSE IC				
		Nitrocellulose			MRLS								
99211	337811		8/12/2013	1512		ECC		RVAAP	NITROCELLULOSE QSM		S		**4**
		Nitrocellulose								45577			
99211	337812		8/12/2013	1516		ECC		RVAAP	NITROCELLULOSE QSM		S		**4**
		Nitrocellulose								45577			
99211	337813		8/12/2013	1141		ECC		RVAAP	NITROCELLULOSE QSM		S		**4**
		Nitrocellulose								45577			
99211	337815		8/12/2013	1215		ECC		RVAAP	NITROCELLULOSE QSM		S		**4**
		Nitrocellulose			*					45577			
	342372		8/12/2013	1215					NITROCELLULOSE QSM				
		Nitrocellulose			MSS	337815				45577			
	342373		8/12/2013	1215					NITROCELLULOSE QSM				
		Nitrocellulose			MSDS	342372				45577			

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

WNITROCELLULOSE IC Analytical Run
97018 on 8/27/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	ANALYTE	SAMPLE DATE:		QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
99211	337818		8/12/2013	1245	ECC		RVAAP	NITROCELLULOSE QSM		S	**4**	
		Nitrocellulose							45577			
99211	337820		8/12/2013	1245	ECC		RVAAP	NITROCELLULOSE QSM		S	**4**	
		Nitrocellulose							45577			
99211	337822		8/12/2013	1315	ECC		RVAAP	NITROCELLULOSE QSM		S	**4**	
		Nitrocellulose							45577			
99211	337824		8/12/2013	1415	ECC		RVAAP	NITROCELLULOSE QSM		S	**4**	
		Nitrocellulose							45577			
	346235							WNITROCELLULOSE IC				
		Nitrocellulose			CCV							
	346236							WNITROCELLULOSE IC				
		Nitrocellulose			CCB							
99211	337826		8/12/2013	1440	ECC		RVAAP	NITROCELLULOSE QSM		S	**4**	
		Nitrocellulose							45577			
99211	337828		8/12/2013	1455	ECC		RVAAP	NITROCELLULOSE QSM		S	**4**	
		Nitrocellulose							45577			
99211	337830		8/12/2013	1510	ECC		RVAAP	NITROCELLULOSE QSM		S	**4**	
		Nitrocellulose							45577			
99211	337832		8/12/2013	1415	ECC		RVAAP	NITROCELLULOSE QSM		S	**4**	
		Nitrocellulose							45577			
99211	337834		8/12/2013	1514	ECC		RVAAP	NITROCELLULOSE QSM		S	**4**	
		Nitrocellulose							45577			
	338369		8/13/2013	1320				NITROCELLULOSE QSM		S	**4**	
		Nitrocellulose							45577			

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

WNITROCELLULOSE IC Analytical Run
97018 on 8/27/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	ANALYTE	SAMPLE DATE:		QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
	338375		8/13/2013	1250				NITROCELLULOSE QSM		S	**4**	
		Nitrocellulose							45577			
	340181		8/12/2013	1245				NITROCELLULOSE QSM		S	**4**	
		Nitrocellulose							45577			
	346226							WNITROCELLULOSE IC				
		Nitrocellulose			MRLS							
	311331		6/10/2013					NITROCELLULOSE QSM		S	**1**	
		Nitrocellulose							45577			
	346227							WNITROCELLULOSE IC				
		Nitrocellulose			MDLS							
	342374							NITROCELLULOSE QSM				
		Nitrocellulose							45577			
	346237							WNITROCELLULOSE IC				
		Nitrocellulose			CCV							
	346238							WNITROCELLULOSE IC				
		Nitrocellulose			CCB							

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Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

PREP WORKSHEET
on 08/22/2013

Prep Batch **45,577** Date Prepped: 08/21/2013 Prepped By BMS

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
	342370	MBS		NITROCELLULOSE	SOLID	25.0	10.00			
	342371	LCSS		NITROCELLULOSE	SOLID	25.0	10.00			
99211	337811			NITROCELLULOSE	SOIL	25.0	10.00		N	
	337812			NITROCELLULOSE	SOIL	25.0	10.00		N	
	337813			NITROCELLULOSE	SOIL	25.0	10.00		N	
	337815	*		NITROCELLULOSE	SOIL	25.0	10.00		N	
	337818			NITROCELLULOSE	SOIL	25.0	10.00		N	
	337820			NITROCELLULOSE	SOIL	25.0	10.00		N	
	337822			NITROCELLULOSE	SOIL	25.0	10.00		N	
	337824			NITROCELLULOSE	SOIL	25.0	10.00		N	
	337826			NITROCELLULOSE	SOIL	25.0	10.00		N	
	337828			NITROCELLULOSE	SOIL	25.0	10.00		N	
	337830			NITROCELLULOSE	SOIL	25.0	10.00		N	
	337832			NITROCELLULOSE	SOIL	25.0	10.00		N	
	337834			NITROCELLULOSE	SOIL	25.0	10.00		N	
	338369			NITROCELLULOSE	SOIL	25.0	10.00		N	

LCSS - Spiked 10g of silica sand with 1.0 mL of W32298

MS/MSD (337815) - Spiked 10.0g of sample with 1.0 mL of W32298

LODS/MDLSV (100 mg/kg) - Spiked 10g of silica sand with 0.2 mL of W32298

LOQS/MRLS (200 mg/kg) - Spiked 10g of silica sand with 0.4 mL of W32298

PREP WORKSHEET
on 08/22/2013

Folder #	Order	QC Type	Link	Test	Matrix	Volume	Weight	Initial Volume	Partial List	Notes
	338375			NITROCELLULOSE	SOIL	25.0	10.00		N	
	340181			NITROCELLULOSE	SOIL	25.0	10.00		N	
	342372	MSS	337815	NITROCELLULOSE	SOIL	25.0	10.00			
	342373	MSDS	342372	NITROCELLULOSE	SOIL	25.0	10.00			

Notes:_____

LIMS #: 97018, 97019	Method: Nitrocellulose by Ion Chromatography (Nitrite & Nitrate)			
Analysis Date	Analyst / Data Interpreter	Independent Reviewer	Date of Review	Approved
8/25/13	BMS/RLD	RLD	8/27/13	Yes ... No

Instructions: Complete one checklist per *analytical run.* Enter the appropriate response for each question. Each "No" response requires an explanation in the Comments section, and may require the initiation of a Nonconformance Report.

Requirement:	Acceptance Criteria	Analyst Review		Independent Review		Comments: (indicate reference to an attachment if necessary)
		Yes	No	Yes	No	
1. Was the calibration performed using the required number of standards?	Minimum three plus a blank	✓		✓		
2. Is the standard prep log number noted on the analytical report bench sheet?	---	✓		✓		
3. Was the correlation coefficient acceptable?	≥ .995	✓		✓		
4. Were the ICV and ICB run immediately after the calibration check standard?	---	✓		✓		
5. Was the ICV recovery acceptable?	90 – 110 % or contract/program specific	✓		✓		
6. Was the ICB result acceptable?	< LOD or contract/program specific	✓		✓		
7. Were the CCV's and the CCB's analyzed at the required frequency?	1 / 10 samples or contract/program specific	✓		✓		
8. Were the CCV recoveries acceptable?	90 – 110 % or contract/program specific	✓		✓		
9. Were the CCB results acceptable?	< LOD or program/project specific	✓		✓		
10. Was the MB analyzed at the required frequency?	1 / 20 samples or contract/program specific	✓		✓		
11. Were the MB results acceptable?	< LOD or contract/program specific	✓		✓		
12. Was a LCS run at the required frequency?	1 / 20 samples or contract/program specific	✓		✓		
13. Was the LCS recovery acceptable?	Within in-house or contract/program specific limits	✓		✓		
14. Was the MS and/or MSD (when required) prepared at the required frequency?	1per 20 samples per matrix or contract/program specific	✓		✓		

15. Was the MS (and/or MSD) recovery acceptable?	Within In-house or contract/program specific limits		✓		✓	
16. If applicable was the RPD between the MS and MSD acceptable?	Within in house or contract/program specific limits	✓		✓		
17. Was a sample duplicate prepared at the required frequency?	Contract/program specific or 1 per 20 samples (1 / 10 for SDWA samples)	NA		NA		
18. Was the duplicate within precision limits?	Within in-house or contract/program specific limits	↓		↓		
19. Were all chromatograms checked to ensure accurate peak identification?	---	✓		✓		
20. Are all samples on the job lists accounted for?	---	✓		✓		

W32365 mos 09/03/13 LL Ophos ICV/LCS (0.1 mg/L)
Into a 100 ml volumetric flask pipette 0.01ml Tphos ICV/LCS stock standard (1000mg/L) W 30897 and fill to volume with Milli Q H_2O.
Exp (One month): 10/03/13

W32366 CES 9/3/13 Phenolics ICAL Working (1000 µg/L)
Into a 100 mL volumetric flask pipette 0.1mL Phenol ICal/CCV Stock (1000mg/L) W 31972 and fill to volume with DI H_2O. Exp. (one week): 9/10/18

W32367CES 9/3/13 Phenolics CCV (250 µg/L)
Into a 200 mL volumetric flask pipette 0.05mL Phenol ICal/CCV Stock (1000mg/L) W 31972 and fill to volume with DI H_2O. Exp. (one week): 9/10/13

W32368CES 9/3/13-9/3/13 Phenolics LCS (250 µg/L)
Into a 200 mL volumetric flask pipette 0.05mL Phenol ICV/LCS Stock (1000mg/L) W 30886 and fill to volume with DI H_2O. Exp. (one week): 9/10/13

W32369 CES 9/3/13 TPhos 8500 Molybdate
Into a 1 L volumetric flask volumetrically add 213 mL Ammonium Molybdate W 32235 and 72 mL Antimony Potassium Tartrate W 32236 then dissolve 22.8g NaOH W 32029 and fill to volume with DI H_2O. Exp. (one month): 10/3/13

W32370CES 9/3/13 TPhos 8500 Ascorbic
Into a 1 L volumetric flask dissolve 70g ascorbic acid W 32326 and 1.0 g SDS W 32316 and fill to volume with DI H_2O. Exp. (two days): 9/5/13

W32371 9/3/13 mos IC Eluent
Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.
Exp: 9/22/13

W32372 CES 9/3/13 Sulfide LCS (5.0mg/L): Add 1 mL sodium sulfide stock W32273 into a 200mL vol. flask + bring to vol. w/ DI. Exp: 9/4/13

W32373 9/3/13 Rosalic Acid Into 4mL 1N NaOH W32195 dissolved 0.2g Rosalic Acid W23623 + 16mL Milli-Q H_2O exp 10/3/13

Continued on Page

Read and Understood By

Signed Date Signed Date

W32357 CCS 8/29/13 Ortho LCCS – Into a 50mL vol pipetted 2.5mL CW32571 & filled to vol w/ W32353. Final vol 100mL TV=250 µg/L exp 9/29/13

W32358 8/29/13 TKN/TPHOS LCS (10mg/L NH_3 as N and PO_4^{-3} as P)
Into a 1L volumetric flask pipetted 10mL TPHOS ICV/LCS Stock Standard 1000mg/L W 30897 and 10mL NH_3/TKN ICV/LCS Stock Standard 1000mg/L W 31928 and brought to volume with DI H_2O. EXP(1 month): 9/29/13

W32359 8/29/13 TKN/TPHOS Spiking Solution (200mg/L NH_3 as N and PO_4^{-3} as P)
Into a 100mL volumetric flask pipetted 20mL TPHOS ICV/LCS Stock Standard 1000mg/L W 30897 and 20mL NH_3/TKN ICV/LCS Stock Standard 1000mg/L W 31926 and brought to volume with DI H_2O. EXP(1 month): 9/29/13

W32360 CCS 8/30/13 Chloramine-T Reagent
Into a 500 mL volumetric flask dissolved 2 g chloramine-T W 30230 and brought to volume with DI H_2O. EXP (24hr): 8/31/13

W32361 8/30/13 Methyl Orange Reagent
Into a 1 L volumetric flask, volumetrically added 100 ml methyl orange solution W 31396 and brought to volume with CO_2-free DI H_2O.
EXP (1 month): 9/30/13

W32362 CCS 8/30/13 KHP Buffer (pH 3.1)
Into a large beaker dissolve 2.5g potassium hydrogen phthalate (KHP) W 29079 in 450 ml CO_2-free DI water. Add 42.5ml of 0.1 M HCL W 31851 and adjust pH to 3.1± 0.05.
EXP (one week): 9/6/13

W32363 MDS ~~09/03/13~~ 09/03/13
IC LCS/ICV Nitrite Standard (7 mg/L) *Diluted 1:1 daily with IC LCS/ICV Mixed Standard to equal a value of 3.5 mg/L Nitrite
Into a 500 mL volumetric flask pipetted 3.5 mL 1000 mg/L Nitrite W ~~30512~~ 31998 MDS 09/03/13 and brought to volume with Milli-Q DI H_2O. EXP (1 month): 10/3/13

W32364 MDS 09/03/13 LL Ophos Spike (30 mg/L)
Into a 100 ml volumetric flask pipette 3.0 ml Tphos ICV/LCS stock standard (1000mg/L) W 30897 and fill to volume with Milli Q H_2O.
Exp (One month): 10/03/13

Continued on Page

Read and Understood By

9/3/13 OK/

Signed Date Signed Date

W32326 CES Ascorbic - Fisher cat # BP351-500 lot # 127267
8/26/13

W32327 CES 8/26/13
TKN Hypochlorite
Into a 500 mL volumetric flask volumetrically add 30 mL 5.25% sodium hypochlorite bleach W 321910 and fill to volume with DI H_2O. Exp. (one day): 8/27/13

W32328 CES 8/26/13
TKN Buffer Reagent
Into a 2L volumetric flask dissolved 40g EDTA W 31186, 70g sodium phosphate dibasic heptahydrate W 32152, and 100g NaOH W 32024 and brought to volume with DI H_2O. EXP(1 month): 9/26/13

W32329 CES 8/26/13
Sodium Salicylate-Nitroprusside Color Reagent
Into a 1L volumetric flask dissolved 150g sodium salicylate W 32304 and 1g sodium nitroprusside W 31985 and brought to volume with DI H_2O.
EXP(1 month): 9/26/13

W32330 mos 08/26/13
IC Eluent
Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.
Exp: 9/22/13

W32331 CES 8/26/13
TPhos Cupric Ascorbic
Into a 250 mL volumetric flask dissolve 15g Ascorbic Acid W 323210 and 0.25g Sodium Dodecyl sulfate (SDS) W 323116 and fill to volume with DI H_2O.
Exp.(one day): 8/27/13

W32332 CES 8/26/13
TPhos Cupric Molybdate Color Reagent
Into a 500mL volumetric flask volumetrically add 17.5mL H_2SO_4 W 32253, 106.5 mL stock Ammonium Molybdate W 32236, and 36 mL stock Antimony Potassium Tartrate W 32231 and fill to volume with DI H_2O.
Exp (one month): 9/26/13

W32333 CES 8/27/13
NH_3 Sodium Hypochloride
Into a 500mL volumetric flask volumetrically added 250mL Bleach W 32186 and brought to volume with DI H_2O. EXP(24 hours): 8/28/13

CES 8/27/13

Continued on Page

Read and Understood By

8/27/13 CES

Signed | Date | Signed | Date

W32310 B.O.D. Standard, NCL, Lot# BKD1305288B1, Exp 5/2814
LJS 8/21/13

W32311
LJS/sel
8/21/13

Cupric Digestion Solution
Into a 2L volumetric flask dissolve 268g potassium sulfate W 29696 and 14.6g copper sulfate W 31625 and slowly volumetrically add 268 mL H_2SO_4 W 32253 and fill to volume with DI H_2O. Exp. (one month): 9/21/13

W32312
8/22/13
mal

Cr^{+6} Water DPC Color Reagent
Into a 1 L volumetric flask dissolve 0.40g s-diphenylcarbazide (DPC) W 31013 in 200mL 2-propalnol W 31499. Add 720mL DI H_2O and then 80 mL H_2SO_4 W 32253 and fill to volume with DI H_2O. Exp. (one month): 8/9/22/13
8-22-13 mal

W32313
8/22/13
mal

Cr^{+6} Water Color Correction Reagent
Into a 1 L volumetric flask volumetrically add 200mL 2-propalnol W 31499, 720mL DI H_2O, and 80 mL H_2SO_4 W 32253. Fill to volume with DI H_2O. Exp. (one ~~year~~ month): 9/22/13
8-22-13 mal

W32314
8/22/13
mal

TPhos 8500 Molybdate
Into a 1 L volumetric flask volumetrically add 213 mL Ammonium Molybdate W 32235 and 72 mL Antimony Potassium Tartrate W 32236 then dissolve 22.8g NaOH W 32029 and fill to volume with DI H_2O. Exp. (one month): 8/9/23/13
8/22-13 mal

W32315
8/22/13
mal

TPhos 8500 0.72N Sulfuric Acid Carrier
Into a 2L volumetric flask volumetrically add 76 mL trace metal grade H_2SO_4 W 32066 and dissolve 10g NaCl W 29369 and 2g SDS W _____ and fill to volume with DI H_2O. Exp. (one month): 9/22/13

W32316 mal Sodium Dodecyl Sulfate Fisher Cat# BP166-100
8-22-13 Lot# 134080

W32317
8-22-13
mal

$NO_2 + NO_3$ Buffer
Into a 1 L volumetric flask dissolve 85g ammonium chloride W 31507 and 1g EDTA W 31186 and fill to volume with DI H_2O and degas. Adjust pH to 8.5 with 15 N NaOH W 30231. Exp (one month): 9-22-13

W32318
8/26/13
MDS

IC CCV Nitrite Standard (7 mg/L) *Diluted 1:1 daily with IC CCV Mixed Standard to equal a value of 3.5 mg/L Nitrite
Into a 500 mL volumetric flask piepetted 3.5 mL 1000 mg/L Nitrite W 30512 and brought to volume with Milli-Q DI H_2O. EXP (1 month): 9/26/13

Continued on Page

Read and Understood By

9/27/13 CG

Signed Date Signed Date

W32292 08/19/13 mm

IC LCS/ICV Mixed Standard (7 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 50 n Sulfate, and 30 mg/L Chloride) *Diluted 1:1 daily with IC LCS/ICV Nitrite Standard t a value of 3.5 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 25 mg/L Sulfate, and 1 mg/L Chloride

Into a 500 mL volumetric flask pipetted 20 mL of Custom Mix Stock Standard (175 Fluoride, Bromide, Nitrate, and Phosphate, 1250 mg/L Sulfate, and 750 mg/L Chloride W 29804 and brought to volume with Milli-Q DI H_2O.
EXP (1 Month): 9/7/13

W32293 8-20-13 mm

TPhos 8500 ICal (20 mg/L)
Into a 100 mL volumetric flask pipette 2mL PO_4 ICal/CCV stock (1000 mg/L) W 30355 and fill to volume with H_2SO_4 diluent W 32231.
Exp. (one month): 9-20-13

W32294 8-20-13 mm

TPhos 8500 CCV (8 mg/L)
Into a 100 mL volumetric flask pipette 0.8mL PO_4 Ical/CCV stock (1000 mg/L) W 30355 and fill to volume with H_2SO_4 diluent W W32231.
Exp. (one month): 9-20-13

W32295 8-20-13 mm

TPhos 8500 ICV (8 mg/L)
Into a 100 mL volumetric flask pipette 0.8mL PO_4 ICV/LCS stock (1000 mg/L) W 30897 and fill to volume with H_2SO_4 diluent W W32231.
Exp. (one month): 9-20-13

W32296 8-20-13 mm

TPhos 8500 LCS (4 mg/L)
Into a 100 mL volumetric flask pipette 0.4mL PO_4 ICV/LCS stock (1000 mg/L) W 30897 and fill to volume with H_2SO_4 diluent W W32231.
Exp. (one month): 9-20-13

W32297 8-20-13 mm

TPhos 8500 Ascorbic
Into a 1 L volumetric flask dissolve 70g ascorbic acid W 32065 and 1.0 g SDS W 30340 and fill to volume with DI H_2O. Exp. (two days): 8-22-13

W32298 8/20/13

Nitrocellulose Spiking Std. - Into a 100 mL volumetric Flask, add 0.5007 g of W31626 (Dried Nitrocellulose) & brought to volume with acetone (JT Baker, Cat # 9254-03, Lot # 0000033264)
Exp. 8/20/14 Conc. = 5007 mg/L

W32299 VS 8/20/13

Phenolics ICAL Working (1000 µg/L)
Into a 100 mL volumetric flask pipette 0.1mL Phenol ICal/CCV Stock (1000mg/L) W 31872 and fill to volume with DI H_2O. Exp. (one week): 8/27/13

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8/27/13

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W32285 p-Xylene: Fisher Scientific C5082-500; Lot # 131175, 8/14/13 MS

W32286 08/16/13 mos

IC Nitrite and Fluoride Spike Standard (64 mg/L Nitrite and 32 mg/L Fluoride)
Into a 100 mL volumetric flask pipetted 6.4 mL 1000 mg/L Nitrite W 30512 and 3.2 mL 1000 mg/L Fluoride W 29818 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 9/10/13

W32287 08/16/13 mos

IC Mixed Spike Standard (64 mg/L Bromide, Nitrate, and Phosphate, 256 mg/L Chloride and Sulfate)
Into a 100 mL volumetric flask pipetted 6.4 mL 1000mg/L Bromide W 31339, Nitrate W 30659, and Phosphate W 30355 and 25.6 mL 1000 mg/L Chloride W 31340 and Sulfate W 30942 and brought to volume with Milli-Q DI H_20. EXP (1 Month): 9/16/13

W32288 08/16/13 mos

IC ICAL Mixed Standard (50 mg/L):
Into a 100 mL volumetric flask pipetted 5 mL of 1000 mg/L Nitrite W 30512, Fluoride W 29818, Bromide W 31339, Nitrate W 30659, and Phosphate W 30355 and brought to volume with Milli-Q DI H_20.
EXP (48 Hours): 9/18/13

W32289 08/16/13 mos

IC ICAL
Prepared in 100 mL volumetric flasks and brought to volume with Milli-Q DI H_20.

	1	2	3	4	5	6	7	8
mLs Mixed Std 50mg/L W	0	0.2	1.0	2.0	4.0	10.0	14.0	28.0
mLs Chloride 1000mg/L W	0	0.05	0.1	0.5	1.0	2.0	3.0	4.0
mLs Sulfate 1000mg/L W	0	0.05	0.1	0.5	1.0	3.0	5.0	7.0

EXP (48 Hours): 9/18/13

W32290 08/19/13 mos

IC Eluent
Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.
Exp: 9/22/13

W32291 08/19/13 mos

LL Ophos CCV (0.1 mg/L)
Into a 200 ml volumetric flask pipette 0.02ml Tphos CCV stock standard (1000mg/L) W 30355 and fill to volume with Milli Q H_2O.
Exp (One month): 9/19/13

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9/27/13 MS

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W32276 8/14/13 mml

TPhos 8500 Ascorbic

Into a 1 L volumetric flask dissolve 70g ascorbic acid W 32065 and 1.0 g SDS W 30340 and fill to volume with DI H_2O. Exp. (two days): 8/16/13

W32277 mmos 08/14/13

IC CCV Mixed Standard (7 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 50 mg/L Sulfate, and 30 mg/L Chloride) *Diluted 1:1 daily with IC CCV Nitrite Standard to equal a value of 3.5 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 25 mg/L Sulfate, and 15 mg/L Chloride

Into a 500 mL volumetric flask pipetted 3.5 mL 1000 mg/L Fluoride W 29818, Phosphate W 30355, Bromide W 31339, and Nitrate W 30659, 15 ml 1000 mg/L Chloride W 31340, and 25 ml 1000 mg/L Sulfate W 30942 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): ~~8/14/13~~ 9/10/13 mmos 08/14/13

W32278 mml 8-14-13

TPhos 8500 Molybdate

Into a 1 L volumetric flask volumetrically add 213 mL Ammonium Molybdate W 32235 and 72 mL Antimony Potassium Tartrate W 32236 then dissolve 22.8g NaOH W 32029 and fill to volume with DI H_2O. Exp. (one month): 9-14-13

W32279 US 8/15/13

Chloramine-T Reagent

Into a 500 mL volumetric flask dissolved 2 g chloramine-T W 30230 and brought to volume with DI H_2O. EXP (24hr): 8/16/13

W32280 US 8/15/13

TKN Hypochlorite

Into a 500 mL volumetric flask volumetrically add 30 mL 5.25% sodium hypochlorite bleach W 32186 and fill to volume with DI H_2O. Exp. (one day): 8/16/13

W32281 US 8/15/13

0.8M Sodium Hydroxide

Into a 1L volumetric flask dissolved 32g NaOH W 32029 and brought to volume with DI H_2O. EXP(1 month): 9/16/13

W32282 mml 8/15/13

TPhos 8500 0.72N Sulfuric Acid Carrier

Into a 2L volumetric flask volumetrically add 76 mL trace metal grade H_2SO_4 W 32066 and dissolve 10g NaCl W 29369 and 2g SDS W 30340 and fill to volume with DI H_2O. Exp. (one month): 9/15/13

W32283 mml 9/15/13

TPhos 8500 Digestion Solution #2

Into a 2L volumetric flask dissolve 52g potassium persulfate W 32116 and fill to volume with DI H_2O. Exp. (one month): 9/15/13

W32284 mml 8-15-13

TPhos 8500 Digestion Solution #1

Into a 2L volumetric flask volumetrically add 213mL trace metal grade H2SO4 W 32066 and fill to volume with DI H_2O. Exp. (one month): 9-15-13

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8/27/13 CG

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W32252
CES 8/12/13

Potassium Dichromate Digestion Solution
Into a 2L volumetric flask dissolve 66.6g mercuric sulfate W 29723 in about 500mL DI H_2O. Volumetrically add 334mL H_2SO_4 W 32253 and dissolve 20.42g potassium dichromate W 18802 then fill to volume with DI H_2O.
Exp (one year): 8/12/14

W32253 ~~Mercuric Sulfate - J.T Baker Cat~~
CES 8/12/13 95% 8/12/13

W32253CS Sulfuric Acid - Fisher Cat# A300C-212 lot #
8/12/13 127859

W32254 BMS 08/13/13 TOCW Ical./CCV Stock (1000mg/L): Into a 100mL vol., dissolved 0.2128g of KHP (W19521) and brought to volume with Milli Q H_2O. Exp. 02/13/14.

W32255 BMS 08/13/13 TOCW ICV/LCS Stock (1000mg/L): Into a 100mL vol., dissolved 0.2128g of KHP (W29079) and brought to volume with Milli Q H_2O. Exp. 02/13/14.

W32256 BMS 08/13/13 TOCW CCV Std. (50mg/L): Into a 100mL vol., pipetted 5.0mL of W32254 and brought to volume with Milli Q H_2O. Exp. 09/13/13.

W32257 BMS 08/13/13 TOCW LCS Std. (50mg/L): Into a 100mL vol., pipetted 5.0mL of W32255 and brought to volume with Milli Q H_2O. Exp. 09/13/13.

W32258 BMS 08/13/13
IC Eluent
Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.
Exp: 9/22/13

W32259 Ical 8/13/13
NH_3 IL Buffer
Into a 1L volumetric flask dissolve 30g NaOH W 32029, 25g EDTAW 31186 and 67g Sodium Phosphate Dibasic Heptahydrate W 52152 and fill to volume with DI H_2O. Exp (one month): 9/13/13

W32260 Ical 8/13/13
NH_3 IL Hypochlorite
Into a 1L volumetric flask volumetrically add 60 mL 5.25% sodium hypochlorite bleach W 32186 and fill to volume with DI H_2O. Exp (one day): 8/14/13

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W32220
8/6/13 BC

Cupric Digestion Solution
Into a 2L volumetric flask dissolve 268g potassium sulfate W 29696 and 14.6g copper sulfate W 31625 and slowly volumetrically add 268 mL H_2SO_4 W 31664 and fill to volume with DI H_2O. Exp. (one month): 9/6/13

W32221
08/06/13
TMDS

IC Eluent
Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.
Exp: 9/22/13

W32222
mal
8-8-13

TPhos 8500 Ascorbic
Into a 1 L volumetric flask dissolve 70g ascorbic acid W 32065 and 1.0 g SDS W 30340 and fill to volume with DI H_2O. Exp. (two days): 8-10-13

W32223
mal
8-8-13

TPhos 8500 Digestion Solution #1
Into a 2L volumetric flask volumetrically add 213mL trace metal grade H2SO4 W 31938 and fill to volume with DI H_2O. Exp. (one month): 9-8-13

W32224
mal
8-8-13

TPhos 8500 Molybdate
Into a 1 L volumetric flask volumetrically add 213 mL Ammonium Molybdate W 32117 and 72 mL Antimony Potassium Tartrate W 31984 then dissolve 22.8g NaOH W 32029 and fill to volume with DI H_2O. Exp. (one month): 9-8-13

8-8-13 mal
W32225
~~W32226~~

KHP Buffer (pH 3.1)
Into a large beaker dissolve 2.5g potassium hydrogen phthalate (KHP) W 29079 in 450 ml CO_2-free DI water. Add 42.5ml of 0.1 M HCL W 31851 and adjust pH to 3.1± 0.05.
EXP (one week): 8/15/13
US
8/8/13

W32226
mal
8/8/13

TPhos 8500 UV digestion check Stock (100mg/L)
Into a 500 mL volumetric flask dissolve 0.1980g sodium triphosphate W 26401 and fill to volume with DI H_2O. Exp. (one month): 9/8/13

W32227
mal
8/8/13

TPhos 8500 Digestion Check (8 mg/L)
Into a 100 mL volumetric flask pipette 8 mL TPhos UV digestion check stock (100mg/L) W 32226 and fill to volume with H_2SO_4 diluent W 32081.
Exp. (one month): 9/8/13

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W32195 MS 8/1/13 TPhos Cupric Molybdate Color Reagent
Into a 500mL volumetric flask volumetrically add 17.5mL H_2SO_4 W 31616, 106.5 mL stock Ammonium Molybdate W 31155, and 36 mL stock Antimony Potassium Tartrate W 31984 and fill to volume with DI H_2O.
Exp (one month): 9/1/13

W32196 MS 8/1/13 TKN Buffer Reagent
Into a 2L volumetric flask dissolved 40g EDTA W 31180, 70g sodium phosphate dibasic heptahydrate W 32152, and 100g NaOH W 32029 and brought to volume with DI H_2O. EXP(1 month): 9/1/13

W32197 MDS 08/01/13 LL Ophos ICAL Working (50 mg/L)
Into a 100 ml volumetric flask pipette 5ml TPhos ICAL/CCV stock standard (1000mg/L) W 30355 and fill to volume with MilliQ H_2O.
Exp (two days): 08/03/13

W32198 08/01/13 MDS IC LL Ophos ICal
Into 8 separate 100 ml volumetric flasks pipette 0, 0.01, 0.02, 0.04, 0.06, 0.1, 0.2, and 0.4ml LL Ophos ICal Working (50mg/L) W 32197 and fill to volume with MIlliQ H_2O. Exp (two days): 08/03/13

W32199 08/01/13 MDS IC NO_2 ICAL: Into 6 100mL vol. flasks, pipet ~~0, 0.01, 0.02~~ 08/02/13 MDS 0, 0.01, 0.05, 0.1, 0.2, 0.5mL NO_2 1000mg/mL stock W30512 & bring to volume with milliQ H_2O.
exp 08/03/13

W32200 mdl 8-1-13 TPhos 8500 Molybdate
Into a 1 L volumetric flask volumetrically add 213 mL Ammonium Molybdate W 32117 and 72 mL Antimony Potassium Tartrate W 31984 then dissolve 22.8g NaOH W 32029 and fill to volume with DI H_2O. Exp. (one month): 9-1-13

W32201 mdl 8-2-13 NH_3 IL Hypochlorite
Into a 1L volumetric flask volumetrically add 60 mL 5.25% sodium hypochlorite bleach W 32186 and fill to volume with DI H_2O. Exp (one day): 8-3-13

W32202 8/2/13 IC LCS/ICV Nitrite Standard (7 mg/L) *Diluted 1:1 daily with IC LCS/ICV Mixed Standard to equal a value of 3.5 mg/L Nitrite
Into a 500 mL volumetric flask pipetted 3.5 mL 1000 mg/L Nitrite W 31998 and brought to volume with Milli-Q DI H_2O. EXP (1 month): 09/02/13

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Read and Understood By

8/2/13 CM

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W32168 CES 7/30/13

Alkalinity ICV/LCS Stock (2500mg/L)
Into a 250mL volumetric flask dissolve 0.6625g Na_2CO_3 W 29305 and fill to volume with CO_2 free DI H_2O. Exp. (one month): 8/30/13

W32169 CES 7/30/13

Alkalinity ICV (75mg/L)
Into a 100mL volumetric flask pipette 3 mL LCS/ICV stock (2500mg/L) W 32168 and fill to volume with CO_2 free DI H_2O. Exp. (one month): 8/30/13

W32170 CES 7/30/13

Alkalinity LCS (375mg/L)
Into a 200mL volumetric flask pipette 30mL LCS/ICV stock (2500mg/L) W 32168 and fill to volume with CO_2 free DI H_2O. Exp. (one month): 8/30/13

W32171 CES 7/30/13

Alkalinity ICAL using Ical stock (2500 mg/L) W 32167 fill to final volume of 100ml with CO_2 free DI H_2O exp (one month): 8/30/13

	ICal Stock (mL)	True Value (mg/L)
A	30	750
B	25	625
C	20	500
D	15	375
E	10	250
F	5	125
G	3	75
H	1	25
I	0	0

CES 7/30/13

W32172 CES 7/30/13

Chloramine-T Reagent
Into a 500 mL volumetric flask dissolved 2 g chloramine-T W 30230 and brought to volume with DI H_2O. EXP (24hr): 7/31/13

W32173 07/30/13 MDS

LL Ophos ICV/LCS (0.1 mg/L)
Into a 100 ml volumetric flask pipette 0.01ml Tphos ICV/LCS stock standard (1000mg/L) W 30897 and fill to volume with Milli Q H_2O.
Exp (One month): ~~12/30/13~~ 8/30/13 MDS 07/30/13

W32174 07/30/13 MDS

LL Ophos Spike (30 mg/L)
Into a 100 ml volumetric flask pipette 3.0 ml Tphos ICV/LCS stock standard (1000mg/L) W 30897 and fill to volume with Milli Q H_2O.
Exp (One month): 8/30/13

Read and Understood By

8/2/13 CES

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W32153CB 7/27/13 $NO_2 + NO_3$ Buffer
Into a 1 L volumetric flask dissolve 85g ammonium chloride W 31507 and 1g EDTA W 31196 and fill to volume with DI H_2O and degas. Adjust pH to 8.5 with 15 N NaOH W 30231. Exp (one month): 8/27/13

W32154CB 7/27/13 $NO_2 + NO_3$ Color Reagent
Into a 1L volumetric flask volumetrically dissolve 40g sulfanilamide W 26417 and 1g N-(1-naphthyl)ethylenediamine dihydrochloride (NED) W 26416 volumetrically add 100mL phosphoric acid W 31790 and fill to volume with DI H_2O. Exp (one month): 8/27/13

W32155CB 7/29/13 NO_2+ NO_3 ICal (20 mg/L)
Into a 100 mL volumetric flask pipette 2mL NO_3 ICAL/CCV stock (1000 mg/L) W 30659 and fill to volume with H_2SO_4 diluent W 32082.
Exp (one month): 8/29/13

W32156CB 7/29/13 $NO_2 + NO_3$ ICV (5 mg/L)
Into a 100 mL volumetric flask pipette 0.5 mL NO_2 ICV/LCS stock (1000 mg/L) W 31998 and fill to volume with H_2SO_4 diluent W 32082.
Exp (one month): 8/29/13

W32157CB 7/29/13 $NO_2 + NO_3$ CCV (5 mg/L)
Into a 100 mL volumetric flask pipette 0.5 mL NO_3 ICal/ CCV stock (1000 mg/L) W 30659 and fill to volume with H_2SO_4 diluent W 32082.
Exp (one month): 8/29/13

W32158CB 7/29/13 $NO_2 + NO_3$ LCS (5 mg/L)
Into a 100 mL volumetric flask pipette 0.5 mL NO_3 ICV/LCS stock (1000 mg/L) W 31174 and fill to volume with H_2SO_4 diluent W 32082.
Exp (one month): 8/29/13

W32159mb 07/29/13 IC Eluent
Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.
Exp: 9/22/13

W32160 VS 7/30/13 0.25 M Sodium Hydroxide
Into a 2 L volumetric flask dissolved 20 g sodium hydroxide W 32029 and brought to volume with DI H_2O. EXP (1 Month): 8/30/13

Read and Understood By

8/2/13 CB
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W32145 mal 7-25-13

NH_3 IL Buffer

Into a 1L volumetric flask dissolve 30g NaOH W 32029, 25g EDTA W 31186 and 67g Sodium Phosphate Dibasic Heptahydrate W 31630 + W32152 and fill to volume with DI H_2O. Exp (one month): 8-25-13

W32146 mal 7-25-13

NH_3 IL Borate Buffer

Into a 1 L volumetric flask dissolve 5.0 g sodium tetraborate decahydrate W 23610 and 22g NaOH W 32029 and fill to volume with DI H_2O.
Exp (one month): 8/25/13

W32147 mal 7/26/13

NH_3 IL Hypochlorite

Into a 1L volumetric flask volumetrically add 60 mL 5.25% sodium hypochlorite bleach W 31307 and fill to volume with DI H_2O. Exp (one day): 7/27/13

NH_3 IL ICal using NH_3 CCV/ICAL1000mg/L stock W 31418 fill to volume with H_2SO_4 diluent W 32082 Exp. (two weeks): 8/9/13

W32148 mal 7/26/13

	ICal Stock (mL)	Final volume (mL)	True Value (mg/L)
A	1	100	10
B	0.5	100	5
C	0.25	100	2.5
D	0.125	100	1.25
E	0.05	100	0.5
F	0.025	100	0.25
G	0	100	0

W32149 mal 7/26/13

NH_3 IL CCV (4 mg/L)

Into a 100 mL volumetric flask pipette 0.4ml NH_3 1000mg/L CCV/ICal stock W 31418 and fill to volume with H_2SO_4 diluent W 32082.
Exp. (two weeks): 8/9/13

W32150 mal 7/26/13

NH_3 IL ICV/LCS (4mg/L)

Into a 100 mL volumetric flask pipette 0.4ml NH_3 1000mg/L ICV/LCS stock W 31926 and fill to volume with H_2SO_4 diluent W 32082.
Exp. (two weeks): 8/9/13

W32151 EJC 7/26/13

IC CCV Nitrite Standard (7 mg/L) *Diluted 1:1 daily with IC CCV Mixed Standard to equal a value of 3.5 mg/L Nitrite

Into a 500 mL volumetric flask piepetted 3.5 mL 1000 mg/L Nitrite W30512 and brought to volume with Milli-Q DI H_2O. EXP (1 month): 8/26/13

W32152 mal 7/26/13 Sodium phosphate Dibasic Heptahydrate Fisher cat # S373-500 ~~Exp~~ Lot # 130777

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7-26-13 mal

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8/2/13 GS

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W32101 EJC 7/19/13 TOCW CCV (50mg/L) Into a 200mL vol. pipetted 10mL TOCW CCV/ICA 1000mg/L stock W31403 & brought to vol. w/ Milli Q DI H_2O exp: 8/19/13

W32102 EJC 7/19/13 TOCW LCSW (50mg/L) Into a 200mL vol. pipetted 10mL TOCW ICV/LCS 1000mg/L stock W31404 & brought to vol. w/ Milli Q DI H_2O exp: 8/19/13

W32103 mul 7-19-13 Pyridine Color Reagent
Into a 500 mL volumetric flask dissolved 7.5 g barbituric acid W 31540, volumetrically added 37.5 mL pyridine W 29349, and pipetted 7.5 mL hydrochloric acid W 31365 and brought to volume with DI H_2O.
EXP (1 week): ~~7/26/13~~ 7/26/13 mul

W32104 mul 7-19-13 CN Buffer Reagent
Into a 500 mL volumetric flask dissolved 48.5 g potassium phosphate monobasic W 32106 and brought to volume with DI H_2O.
EXP (1 month): 8/19/13

W32105 mul 7-19-13 Chloramine-T Reagent
Into a 500 mL volumetric flask dissolved 2 g chloramine-T W 30230 and brought to volume with DI H_2O. EXP (24hr): 7/20/13

W32106 mul 7-19-13 Potassium Phosphate Monobasic Fisher lot# 130853 cat.# P285-500

W32107 EJC 7/19/13 IC Eluent
Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.
Exp: 9/22/13

W32108 EJC 7/22/13 1M NaCl: Into a 100mL vol. dissolved 5.85g NaCl W29369 & brought to vol. w/ Milli Q DI H_2O. & adjusted pH to 2.0 w/ HCl W31365 . exp: 8/22/13

W32109 EJC 7/22/13 pH 2.0 200mM NaCl in 80% acetonitrile: Into a 500mL vol. added 100mL 1M NaCl W32108 & brought to vol. w/ acetonitrile Macron Cat# H454-10 Lot# 0000034947. exp: 8/22/13

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Read and Understood By

8/2/13 CE

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W32093 mal 7-18-13 NH_3 Buffer

Into a 500mL volumetric flask dissolved 25g EDTA W 31186 and volumetrically added 112.5mL 1N NaOH W 31791 and brought to volume with DI H_2O. EXP(1 month): 8-18-13

W32094 mal 7-18-13 NH_3 Sodium Hypochloride

Into a 500mL volumetric flask volumetrically added 250mL Bleach W 31307 and brought to volume with DI H_2O. EXP(24 hours): 7-19-13

W32095 mal 7-18-13 Sodium Phenolate Color Reagent

Into a 500mL volumetric flask dissolved 16g NaOH W 30844 and volumetrically added 44mL phenol W 30049 and brought to volume with DI H_2O. EXP(1 week): 7-25-13

W32096EJC 7/18/13 IC CCV Nitrite Standard (7 mg/L) *Diluted 1:1 daily with IC CCV Mixed Standard to equal a value of 3.5 mg/L Nitrite

Into a 500 mL volumetric flask piepetted 3.5 mL 1000 mg/L Nitrite W 30512 and brought to volume with Milli-Q DI H_20. EXP (1 month): 8/18/13

WB2097EJC 7/18/13 IC LCS/ICV Mixed Standard (7 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 50 mg/L Sulfate, and 30 mg/L Chloride) *Diluted 1:1 daily with IC LCS/ICV Nitrite Standard to equal a value of 3.5 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 25 mg/L Sulfate, and 15 mg/L Chloride

Into a 500 mL volumetric flask pipetted 20 mL of Custom Mix Stock Standard (175 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 1250 mg/L Sulfate, and 750 mg/L Chloride) W 29804 and brought to volume with Milli-Q DI H_20.
EXP (1 Month): 8/18/13

W32098EJC 7/18/13 LL Ophos CCV (0.1 mg/L)

Into a 200 ml volumetric flask pipette 0.02ml Tphos CCV stock standard (1000mg/L) W 30355 and fill to volume with Milli Q H_2O.
Exp (One month): 8/18/13

W32099 mal 7/18/13 2N KCl Extraction Solution

Into a 1L volumetric flask dissolve 149g potassium chloride W 31166 and fill to volume with DI H_2O. Exp(one month): 8/18/13

W32100 mal 7/18/13 NH_3 LCS Into a 100mL Vol. pipetted 0.125ml NH_3 1000mg/L W31924 Brought to Vol. w/ KCL W32099

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8/2/13 EJ

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W32070 EJC 7/15/13 ESC 7/15/13
IC CCV Mixed Standard (7 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 50 mg/L Sulfate, and 30 mg/L Chloride) *Diluted 1:1 daily with IC CCV Nitrite Standard to equal a value of 3.5 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 25 mg/L Sulfate, and 15 mg/L Chloride
Into a 500 mL volumetric flask pipetted 3.5 mL 1000 mg/L Fluoride W 29818, Phosphate W 30355, Bromide W 31339, and Nitrate W 30659, 15 ml 1000 mg/L Chloride W 31340, and 25 ml 1000 mg/L Sulfate W 30942 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 8/15/13

W32071 EJC 7/15/13
IC Mixed Spike Standard (64 mg/L Bromide, Nitrate, and Phosphate, 256 mg/L Chloride and Sulfate)
Into a 100 mL volumetric flask pipetted 6.4 mL 1000mg/L Bromide W 31339, Nitrate W 30659, and Phosphate W 30355 and 25.6 mL 1000 mg/L Chloride W 31340 and Sulfate W 30942 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 8/15/13

W32072 EJC 7/15/13
IC Nitrite and Fluoride Spike Standard (64 mg/L Nitrite and 32 mg/L Fluoride)
Into a 100 mL volumetric flask pipetted 6.4 mL 1000 mg/L Nitrite W 30512 and 3.2 mL 1000 mg/L Fluoride W 29818 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 8/15/13

W32073 7/15/13
Sodium Salicylate - Fisher cat# S595-500 Lot # 130372

W32074 VS 7/16/13
0.25 M Sodium Hydroxide
Into a 2 L volumetric flask dissolved 20 g sodium hydroxide W 32029 and brought to volume with DI H_2O. EXP (1 Month): 8/16/13

W32075 7/16/13
NH_3 IL Hypochlorite
Into a 1L volumetric flask volumetrically add 60 mL 5.25% sodium hypochlorite bleach W 31507 and fill to volume with DI H_2O. Exp (one day): 7/18/13

W32076 VS 7/16/13
CN ICAL/CCV Working Standard (10mg/L)
Into a 100 mL volumetric flask pipetted 1 mL CN ICAL/CCV Stock Standard 1000 mg/L W 29755 and brought to volume with 0.25 M NaOH W 32074.
EXP (1 week): 7/23/13

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Read and Understood By

8/2/13 ESC

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W32052 CS 7/10/13 Sulfide LCS - Into a 200mL vol pipetted 1mL W32002 + filled to vol w/ DI H2O. TV= 5mL exp 7/11/13

W32053 CS 7/11/13 TPhos 8500 Molybdate

Into a 1 L volumetric flask volumetrically add 213 mL Ammonium Molybdate W 31655 and 72 mL Antimony Potassium Tartrate W 31984 then dissolve 22.8g NaOH W 32029 and fill to volume with DI H_2O. Exp. (one month): 8/11/13

W32054 CS 7/11/13 TPhos 8500 Ascorbic 7/11/13

Into a ~~1L~~ 500mL volumetric flask dissolve ~~70g~~ 35g ascorbic acid W ~~31805~~ 31824 and ~~1.0~~ 0.5g SDS W 30840 and fill to volume with DI H_2O. Exp. (two days): 7/13/13

W32055 WS 7/11/13 COD ICal Stock (1000mg/L)

Into a 200mL volumetric flask dissolve 0.17g Potassium Hydrogen Phthalate W 29079 and fill to volume with DI H_2O. Exp. (three months): 10/11/13

W32056 WS 7/11/13 COD CCV (400 mg/L)

Into a 250mL volumetric flask volumetrically added 100ml ICal Stock (1000mg/L) W 32055 and fill to volume with DI H_2O. Exp. (three months): 10/11/13

W32057 WS 7/11/13 DD Spike/LCS Stock (2000 mg/L)

Into a 500mL volumetric flask dissolve 0.85g Potassium Hydrogen Phthalate (KHP) W 29079 and fill to volume with DI H_2O. Exp. (three months): 10/11/13

W32058 WS 7/11/13 COD LCS (400 mg/L)

Into a 250mL volumetric flask pipette 50mL COD LCS Stock (2000mg/L) W 32057 and fill to volume with DI H_2O. Exp. (three months): 10/11/13

W32059 EJC 7/11/13 IC Eluent

Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.
Exp: 9/22/13

W32060 CS 7/15/13 TPhos 8500 0.72N Sulfuric Acid Carrier

Into a 2L volumetric flask volumetrically add 76 mL trace metal grade H_2SO_4 W 31293 _____ and dissolve 10g NaCl W 30481 and 2g SDS W 30340 and fill to volume with DI H_2O. Exp. (one month): 8/15/13

7/15/13

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8/2/13 CS

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W32035 TPhos 8500 LCS (4 mg/L)
QES 7/8/13 Into a 100 mL volumetric flask pipette 0.4mL PO_4 ICV/LCS stock (1000 mg/L) W 30897 and fill to volume with H_2SO_4 diluent W 31855.
Exp. (one month): 8/8/13

W32036 QES Nitrite PT - Into a 200mL vol pipetted 1mL 32777 & filled to vol w/ MilliQ H_2O. exp 7/10/13
7/8/13

W32037 QES Nitrite Known - Into a 200mL vol pipetted 1mL Nitrite cat # 770 lot # P213-770 - filled to vol w/ milliQ H_2O exp 7/10/13
7/8/13

W32038 QES Br PT - Into a 200mL vol pipetted 1mL 32768 & filled to vol w/ milliQ H_2O. exp ~~7/10/13~~ 8/8/13 QES 7/8/13
7/8/13

W32039 QES Br Known - Into a 200mL vol pipetted 1mL Br cat # 769 lot # P213-769 - filled to vol w/ milliQ H_2O exp 8/8/13
7/8/13

W32040 0.25 M Sodium Hydroxide
WS 7/9/13 Into a 2 L volumetric flask dissolved 20 g sodium hydroxide W 32029 and brought to volume with DI H_2O. EXP (1 Month): 8/9/13

W32041/42 Cr^{+6} Water DPC Color Reagent
7/9/13 Into a 1 L volumetric flask dissolve 0.40g s-diphenylcarbazide (DPC) W 31013 in 200mL 2-propalnol W 31499. Add 720mL DI H_2O and then 80 mL H_2SO_4 W 31664 and fill to volume with DI H_2O. Exp. (one month): 8/9/13

W32042 QES Methyl Orange Reagent
7/9/13 Into a 1 L volumetric flask, volumetrically added 100 ml methyl orange solution W 31396 and brought to volume with CO_2-free DI H_2O.
EXP (1 month): 8/9/13

W32043 KHP Buffer (pH 3.1)
7/9/13 Into a large beaker dissolve 2.5g potassium hydrogen phthalate (KHP) W 19521 in 450 ml CO_2-free DI water. Add 42.5ml of 0.1 M HCL W 31851 and adjust pH to 3.1± 0.05.
EXP (one week): 7/16/13

QES 7/9/13

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7/9/13 QES

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W32017 EJC 7/3/13 IC Eluent

Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.

Exp: ~~7/4/13~~ 9/20/13

EJC 7/3/13

W32018 BMS 07/04/13 TOCW CCV Std. (50mg/L): Into a 200mL vol., pipetted 10.0mL of W31403 and brought to volume with Milli Q H_2O. Exp. 08/04/13.

W32019 BMS 07/04/13 TOCW LCS Std. (50mg/L): Into a 100mL vol., pipetted 5.0mL of W31404 and brought to volume with Milli Q H_2O. Exp. 08/04/13.

W32020 7/4/13 WS Cupric Digestion Solution

Into a 2L volumetric flask dissolve 268g potassium sulfate W 29694 and 14.6g copper sulfate W 31625 and slowly volumetrically add 268 mL H_2SO_4 W 31604 and fill to volume with DI H_2O. Exp. (one month): 8/5/13

W32021 EJC 7/4/13 Sodium Phenolate Color Reagent

Into a 500mL volumetric flask dissolved 16g NaOH W 30844 and volumetrically added 44mL phenol W 30049 and brought to volume with DI H_2O.

EXP(1 week): 7/11/13

W32022 EJC 7/4/13 NH_3 Sodium Hypochloride

Into a 500mL volumetric flask volumetrically added 250mL Bleach W 31307 and brought to volume with DI H_2O. EXP(24 hours): 7/5/13

W32023 EJC 7/4/13 Pyridine Color Reagent

Into a 500 mL volumetric flask dissolved 7.5 g barbituric acid W 31540, volumetrically added 37.5 mL pyridine W 29349, and pipetted 7.5 mL hydrochloric acid W 31365 and brought to volume with DI H_2O.

EXP (1 week): 7/11/13

EJC 7/4/13

~~W32033~~

W32024 EJC 7/4/13 Chloramine-T Reagent

Into a 500 mL volumetric flask dissolved 2 g chloramine-T W 30230 and brought to volume with DI H_2O. EXP (24hr): 7/5/13

W32025 WS 7/8/13 TKN/ TPHOS Cupric Diluent

Into a 2L volumetric flask volumetrically add 800mL cupric digestion solution W 32020 and fill to volume with DI H_2O. Exp (one month): 8/4/13

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7/8/13 BMS

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W32003 TPhos Cupric Molybdate Color Reagent
OS 7/2/13 Into a 500mL volumetric flask volumetrically add 17.5mL H_2SO_4 W 31664, 106.5 mL stock Ammonium Molybdate W 31655, and 36 mL stock Antimony Potassium Tartrate W 31984 and fill to volume with DI H_2O.
Exp (one month): 7/29/13

W32004 TPhos Cupric Ascorbic
7/2/13 Into a 250 mL volumetric flask dissolve 15g Ascorbic Acid W 31809 and 0.25g Sodium Dodecyl sulfate (SDS) W 30340 and fill to volume with DI H_2O.
Exp.(one day): 7/3/13

W32005 IC Eluent
mm 7-2-13 Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.
Exp: 9-22-13

W32006 Sulfide LCS: (5.0mg/L): Add 1mL Sodium Sulfide
WS 7/2/13 stock W32002 into a 200mL vol. flask & bring to vol w/ DI

W32007 Sulfide LCS: (5.0mg/L): Add 1mL Sodium Sulfide
WS 7/2/13 stock W32002 into a 200mL vol. & bring to vol w/ DI.

W32008 TKN Hypochlorite
OS 7/2/13 Into a 500 mL volumetric flask volumetrically add 30 mL 5.25% sodium hypochlorite bleach W 31307 and fill to volume with DI H_2O. Exp. (one day): 7/3/13

W32009 $NO_2 + NO_3$ Buffer
7/3/13 Into a 1 L volumetric flask dissolve 85g ammonium chloride W 31507 and 1g EDTA W 31186 and fill to volume with DI H_2O and degas. Adjust pH to 8.5 with 15 N NaOH W 30221. Exp (one month): 8/3/13

W32010 $NO_2 + NO_3$ Color Reagent
7/3/13 Into a 1L volumetric flask volumetrically dissolve 40g sulfanilamide W 26417 and 1g N-(1-naphthyl)ethylenediamine dihydrochloride (NED) W 26416 volumetrically add 100mL phosphoric acid W 31790 and fill to volume with DI H_2O. Exp (one month): 8/3/13

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7/2/13 OS

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W31994 esc 7/1/13 TPhos 8500 Digestion Solution #1
Into a 2L volumetric flask volumetrically add 213mL trace metal grade H2SO4 W_____ 7/2/13 and fill to volume with DI H_2O. Exp. (one month): 8/1/13

W31995 esc 7/1/13 Phenolics CCV (250 µg/L)
Into a 200 mL volumetric flask pipette 0.05mL Phenol ICal/CCV Stock (1000mg/L) W 31872 and fill to volume with DI H_2O. Exp. (one week): 7/8/13

W31996 esc 7/1/13 Phenolics LCS (250 µg/L)
Into a 200 mL volumetric flask pipette 0.05mL Phenol ICV/LCS Stock (1000mg/L) W 30886 and fill to volume with DI H_2O. Exp. (one week): 7/8/13

W31997 esc 7/1/13 Phenolics ICAL Working (1000 µg/L)
Into a 100 mL volumetric flask pipette 0.1mL Phenol ICal/CCV Stock (1000mg/L) W 31872 and fill to volume with DI H_2O. Exp. (one week): 7/8/13

W31998 mcl 7/1/13 NO_2 Stock Std. 1000mg/L Spex Certiprep lot # 13-22 NO_2 N-24 exp: 6-30-14 cat # AS-NO_2 N9-24

W31999 mcl 7-1-13 IC LCS/ICV Nitrite Standard (7 mg/L) *Diluted 1:1 daily with IC LCS/ICV Mixed Standard to equal a value of 3.5 mg/L Nitrite
Into a 500 mL volumetric flask pipetted 3.5 mL 1000 mg/L Nitrite W 31998 and brought to volume with Milli-Q DI H_2O. EXP (1 month): 8-1-13

W32000 esc 7/1/13 TPhos 8500 Digestion Solution #2
Into a 2L volumetric flask dissolve 52g potassium persulfate W 31561 and fill to volume with DI H_2O. Exp. (one month): 8/1/13

W32001 esc 7/1/13 TPhos 8500 0.72N Sulfuric Acid Carrier
Into a 2L volumetric flask volumetrically add 76 mL trace metal grade H_2SO_4 W_____ 31293 and dissolve 10g NaCl W 30981 and 2g SDS W 30340 and fill to volume with DI H_2O. Exp. (one month): 8/1/13

W32002 esc 7/1/13 Sulfide 1000mg/L LCS stock: Into a 200mL vol. dissolved 1.5g Na Sulfide W22510 & brought to vol w/ 0.25N NaOH W31914 exp: 8/1/13

OES 7/2/13

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W3190 OES 6/19/13 NO_2 + HNO_3 MDL Study - Into 8 separate 100 mL vol pipetted 0.01 mL W30257 NO_2 ICS stock 1000 mg/L + filled to vol w/ H_2SO_4 diluent W31855 TV = 0.1 mg/L exp 7/19/13

W3191 mnl 6/20/13 IC NO_2 Ical into 6 100 mL Vol. pipetted 0, 0.01, 0.05 0.1, 0.2 & 0.5 mL NO_2 1000 mg/L Stock W30512 & brought to Vol. w/ milliQ H_2O exp 6/22/13

W3191 JS 6/20/13 NH_3 Sodium Hypochloride
Into a 500mL volumetric flask volumetrically added 250mL Bleach W 31307 and brought to volume with DI H_2O. EXP(24 hours): 6/24/13

W3191 JS 6/20/13 Sodium Phenolate Color Reagent
Into a 500mL volumetric flask dissolved 16g NaOH W 30844 and volumetrically added 44mL phenol W 30049 and brought to volume with DI H_2O. EXP(1 week): 6/24/13

W3191 mnl 6/20/13 0.25 M Sodium Hydroxide
Into a 2 L volumetric flask dissolved ~~20~~ 60 g sodium hydroxide W 30844 and brought to ~~volume~~ 6 L with DI H_2O. EXP (1 Month): 7/20/13

W3191 mnl 6/20/13 CN ICAL/CCV Working Standard (10mg/L)
Into a 100 mL volumetric flask pipetted 1 mL CN ICAL/CCV Stock Standard 1000 mg/L W 28755 and brought to volume with 0.25 M NaOH W 31914.
EXP (1 week): 6/27/13

W3191 mnl 6/20/13 CN ICAL
All levels pipetted into volumetric flasks and brought to volume with 0.25 M NaOH W 31914. EXP (1 Week): 6/27/13

Level	mLs ICAL/CCV Working Standard 10,000 µg/L W 31915	Final Volume (mL)	True Value (µg/L)
1	2	200	100
2	0.75	100	75
3	0.5	100	50
Level	mLs 100 µg/L standard (level 1)	Final Volume (mL)	True Value (µg/L)
4	15	50	30
5	20	100	20
6	5	50	10

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W31860 TKN LOD check Water: Into a dig tube pipetted 0.1mL
WS ~~W30700~~ W31503 TKN/TPhos spiking soln + filled to 20mL w/ DI
6/14/13 H20. EXP 7/14/13 TV = 1mg/L

W31861 TKN LOQ check Water: Into a dig tube pipetted 0.2mL
WS W31503 TKN/TPhos spiking soln + filled to 20 mL w/
6/14/13 DI H20. EXP: 7/14/13 TV = 2mg/L

W31862 EJC TPhos 8500 Ascorbic
6/17/13 Into a 1 L volumetric flask dissolve 70g ascorbic acid W 31809 and 1.0 g SDS W 30846 and fill to volume with DI H_2O. Exp. (two days): 6/19/13

W31863 EJC IC CCV Nitrite Standard (7 mg/L) *Diluted 1:1 daily with IC CCV Mixed Standard to equal a value of 3.5 mg/L Nitrite
6/17/13 Into a 500 mL volumetric flask piepetted 3.5 mL 1000 mg/L Nitrite W 30512 and brought to volume with Milli-Q DI H_2O. EXP (1 month): 7/17/13

W31864 EJC IC LCS/ICV Mixed Standard (7 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 50 mg/L Sulfate, and 30 mg/L Chloride) *Diluted 1:1 daily with IC LCS/ICV Nitrite Standard to equal a value of 3.5 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 25 mg/L Sulfate, and 15 mg/L Chloride
6/17/13 Into a 500 mL volumetric flask pipetted 20 mL of Custom Mix Stock Standard (175 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 1250 mg/L Sulfate, and 750 mg/L Chloride) W 29804 and brought to volume with Milli-Q DI H_2O.
EXP (1 Month): 7/17/13

W31865 CES Phenolics ICAL Working (1000 µg/L)
6/17/13 Into a 100 mL volumetric flask pipette 0.1mL Phenol ICal/CCV Stock (1000mg/L) W 31872 and fill to volume with DI H_2O. Exp. (one week): 6/24/13

W31866 CES Phenolics CCV (250 µg/L)
6/17/13 Into a 200 mL volumetric flask pipette 0.05mL Phenol ICal/CCV Stock (1000mg/L) W 31872 and fill to volume with DI H_2O. Exp. (one week): 6/24/13

W31867 CES Phenolics LCS (250 µg/L)
6/17/13 Into a 200 mL volumetric flask pipette 0.05mL Phenol ICV/LCS Stock (1000mg/L) W 30886 and fill to volume with DI H_2O. Exp. (one week): 6/24/13

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W31853 ESC 6/13/13 Alk LODWV (15mg/L) Into a 50mL pipetted 0.3m Alk ICV/LCS 2500mg/L stock W31598 & brought to vol w/ CO_2 free DI H_2O. exp. ~~7/13/13~~ 6/21/13 ESC 6/13/13

W31854 ESC 6/13/13 Alk LOQWV (30mg/L) Into a 50mL vol. pipetted 0.6m Alk ICV/LCS 2500mg/L stock W31598 & brought to vol w/ CO_2 free DI H_2O. exp: 6/21/13

W31855 6/13/13 H_2SO_4 Diluent

Into a large carboy volumetrically add 40mL trace metal grade H_2SO_4 W 31664 and fill to a final volume of 20L with DI H_2O.

Exp (~~one~~ Three month): 9/13/13 6/13/13

W31856 ESC 6/14/13 IC Mixed Spike Standard (64 mg/L Bromide, Nitrate, and Phosphate, 256 mg/L Chloride and Sulfate)

Into a 100 mL volumetric flask pipetted 6.4 mL 1000mg/L Bromide W 31339, Nitrate W 30659, and Phosphate W 30355 and 25.6 mL 1000 mg/L Chloride W 31340 and Sulfate W 30942 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 7/14/13

W31857 ESC 6/14/13 IC CCV Mixed Standard (7 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 50 mg/L Sulfate, and 30 mg/L Chloride) *Diluted 1:1 daily with IC CCV Nitrite Standard to equal a value of 3.5 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 25 mg/L Sulfate, and 15 mg/L Chloride

Into a 500 mL volumetric flask pipetted 3.5 mL 1000 mg/L Fluoride W 29818, Phosphate W 30355, Bromide W 31339, and Nitrate W 30659, 15 ml 1000 mg/L Chloride W 31340, and 25 ml 1000 mg/L Sulfate W 30942 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 7/14/13

W31858 WS 6/14/13 TKN/TP LOD check (1mg/L N & 1.2mg/L P) Into a 100mL vol. pipette 0.1mL NH_3 1000mg/L stock W30902 & 0.24mL PO_4 1000 stock W30897 & brought to vol w/ DI H_2O. exp: 7/14/13

W31859 WS 6/14/13 TKN/TP LOQ check (2mg/L N & 2.4mg/L P) Into a 100m vol pipetted 0.2mL NH_3 1000mg/L stock W30902 & 0.24mL PO_4 1000mg/L stock W30897 & brought to vol w/ DI H_2O. exp: 7/14/13

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W31845 VS 6/12/13 NH_3 Undistilled ICAL (2.5mg/L)
Into a 100mL volumetric flask pipetted 0.25mL NH_3/TKN CCV/ICAL Stock Standard 1000mg/L W 31418 and brought to volume with H_2SO_4 Diluent W 31520.
EXP. (two weeks): 6/25/13

W31846C VS 6/12/13 NH_3 Undistilled CCV (1.25mg/L)
Into a 100mL volumetric flask pipetted 0.125mL NH_3/TKN CCV/ICAL Stock Standard 1000mg/L W 31418 and brought to volume with H_2SO_4 Diluent W 31520. EXP. (two weeks): 6/25/13

W31847 6/12/13 VS NH_3 Undistilled ICV/LCS (1.25mg/L)
Into a 100mL volumetric flask pipetted 0.125mL NH_3/TKN ICV/LCS Stock Standard 1000mg/L W 30902 and brought to volume with H_2SO_4 Diluent W 31520. EXP. (two weeks): 6/25/13

W31848 6/13/13 IC Nitrite and Fluoride Spike Standard (64 mg/L Nitrite and 32 mg/L Fluoride)
Into a 100 mL volumetric flask pipetted 6.4 mL 1000 mg/L Nitrite W 30512 and 3.2 mL 1000 mg/L Fluoride W 29818 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 7/13/13

W31849 EJC 6/13/13 KHP Buffer (pH 3.1)
Into a large beaker dissolve 2.5g potassium hydrogen phthalate (KHP) W 19521 in 450 ml CO_2-free DI water. Add 42.5ml of 0.1 M HCL W 31851 and adjust pH to 3.1± 0.05.
EXP (one week): 6/20/13

W31850 EJC 6/13/13 Methyl Orange Reagent
Into a 1 L volumetric flask, volumetrically added 100 ml methyl orange solution W 28381 and brought to volume with CO_2-free DI H_2O.
EXP (1 month): 7/13/13

W31851 EJC 6/13/13 HCl Acid 0.1 M
Into a 500 ml volumetric flask containing about 400 ml of DI water add 4.15 ml concentrated hydrochloric acid W 31365 and brought to volume with DI H_2O.
EXP(1 year): 6/13/14

W31852 6/13/13 $NO_2 + NO_3$ Color Reagent
Into a 1L volumetric flask volumetrically dissolve 40g sulfanilamide W 26417 and 1g N-(1-naphthyl)ethylenediamine dihydrochloride (NED) W 26416 volumetrically add 100mL phosphoric acid W 31790 and fill to volume with DI H_2O. Exp (one month): ~~6/7~~ 7/13/13 6/14/13

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W31812 6/10/13 CBS

NH_3 IL Buffer

Into a 1L volumetric flask dissolve 30g NaOH W 30844, 25g EDTA W 31186 and 67g Sodium Phosphate Dibasic Heptahydrate W 31630 and fill to volume with DI H_2O. Exp (one month): 7/10/13

W31813 EJC 6/10/13

Iodine 0.0250 N Ricca Cat# 3975-32 Lot # 4303B12 exp: Feb 2014

W31814 EJC 6/10/13

Sulfide LCS (5mg/L) Into a 200mL Wt. pipetted 1mL Sulfide 1000mg/L stock W 31635 + brought to Wt. w/ DI H_2O. exp: 6/11/13

W31815 mxl 6/10/13

IC ICAL Mixed Standard (50 mg/L):

Into a 100 mL volumetric flask pipetted 5 mL of 1000 mg/L Nitrite W 30512, Fluoride W 29818, Bromide W 31339, Nitrate W 30659, and Phosphate W 30355 and brought to volume with Milli-Q DI H_2O.

EXP (48 Hours): 6/12/13

W31816 mxl 6/10/13

IC ICAL

Prepared in 100 mL volumetric flasks and brought to volume with Milli-Q DI H_2O.

	1	2	3	4	5	6	7	8
mLs Mixed Std 50mg/L W 31815	0	0.2	1.0	2.0	4.0	10.0	14.0	28.0
mLs Chloride 1000mg/L W 31340	0	0.05	0.1	0.5	1.0	2.0	3.0	4.0
mLs Sulfate 1000mg/L W 30942	0	0.05	0.1	0.5	1.0	3.0	5.0	7.0

EXP (48 Hours): 6/12/13

W31817 EJC 6/10/13

TPhos 8500 Molybdate

Into a 1 L volumetric flask volumetrically add 213 mL Ammonium Molybdate W 31655 and 72 mL Antimony Potassium Tartrate W 31477 then dissolve 22.8g NaOH W 30844 and fill to volume with DI H_2O. Exp. (one month): 6/30/13

W31818 CBS 6/11/13

0.8M Sodium Hydroxide

Into a 1L volumetric flask dissolved 32g NaOH W 30844 and brought to volume with DI H_2O. EXP(1 month): 7/11/13

W31819 CBS 6/11/13

TKN Hypochlorite

Into a 500 mL volumetric flask volumetrically add 30 mL 5.25% sodium hypochlorite bleach W 31307 and fill to volume with DI H_2O. Exp. (one day): 6/12/13

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W31795 CS 6/3/13 — CN-IL ICal working - Into a 100mL vol pipetted 1mL W31384 - fill to vol w/ 0.025 N NaOH W31792. Exp 6/10/13 W28755 CS 6/3/13

W31796 CS 6/3/13 — CN-IL ICV/CCS working - Into a 100mL vol pipetted 1mL CN Ion LCS stock W31384 + filled to vol w/ 0.025 N NaOH exp 6/10/13

W31797 95 6/5/13 — IC Eluent

Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.

Exp: 9/22/13

W31798 CS 6/5/13 — Manganous Sulfate - Ricca cat # 4620-32 lot # 4207649 exp 7/2014

W31799 CS 6/6/13 — Chloramine T - CN-IL - Into a 25.0mL vol dissolved 1.5g chloramine T W30030 + filled to vol w/ dI H_2O. exp 6/7/13

W31800 CS 6/7/13 — Pyridine Color Reagent

Into a 500 mL volumetric flask dissolved 7.5 g barbituric acid W 31540, volumetrically added 37.5 mL pyridine W 29341, and pipetted 7.5 mL hydrochloric acid W 31365 and brought to volume with DI H_2O.

EXP (1 week): 6/14/13

W31801 EJC 6/7/13 — Cupric Digestion Solution

Into a 2L volumetric flask dissolve 268g potassium sulfate W 29696 and 14.6g copper sulfate W 31625 and slowly volumetrically add 268 mL H_2SO_4 W 31664 and fill to volume with DI H_2O. Exp. (one month): 7/7/13

W31802 CS 6/7/13 — CN-IL - Ical - using W31795

pipetted 2mL into a 200mL vol = 100ug/L

0.5mL into a 100 mL = ~~50~~ 75 93S 6/7/13

0.1mL into 100 = 50 ug/L

using 100 ug/L

30mL 100mL = 30 ug/L

LEP 6/7/13 10 ~~5~~mL 50mL = 20mL

5mL 50mL = 10mL

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W31624 TKN/ TPHOS Cupric Diluent
US 5/23/13 Into a 2L volumetric flask volumetrically add 800mL cupric digestion solution W 31623 and fill to volume with DI H_2O. Exp (one month): 6/23/13

W31625 Cupric Sulfate Pentahydrate, C494-500, Fisher Chemical Lot #122980
US 5/23/13

W31626 Dried Nitrocellulose stock std. (Cellulose Nitrate, 70% in (W13325)
RA 5/23/13 IPA - dried overnight). Neat - Exp. 6/21/15

W31627 IC LCS/ICV Nitrite Standard (7 mg/L) *Diluted 1:1 daily with IC LCS/ICV Mixed
MM Standard to equal a value of 3.5 mg/L Nitrite
5/23/13 Into a 500 mL volumetric flask pipetted 3.5 mL 1000 mg/L Nitrite W_____ and brought to volume with Milli-Q DI H_2O. EXP (1 month): _____

W31628 TKN Buffer Reagent
5/23/13 US Into a 2L volumetric flask dissolved 40g EDTA W 31184, 70g sodium phosphate dibasic heptahydrate W 31630, and 100g NaOH W 30844 and brought to volume with DI H_2O. EXP(1 month): 6/23/13

W31629 0.8M Sodium Hydroxide
5/23/13 US Into a 1L volumetric flask dissolved 32g NaOH W 30844 and brought to volume with DI H_2O. EXP(1 month): 6/23/13

W31630 Sodium Phosphate, Dibasic, Heptahydrate
5/23/13 Cat # BDH0296-500G Lot # 122063, VWR
US

W31631 TKN Hypochlorite
5/24/13 Into a 500 mL volumetric flask volumetrically add 30 mL 5.25% sodium hypochlorite bleach W 31307 and fill to volume with DI H_2O. Exp. (one day): 5/8/13
US

W31632 EJC Cr^{+6} Soil Ical using ICal working W 31567 and fill to a final volume of 50mL with
5/24/13 digestion solution W 31420 Exp. (one month): 6/24/13

	Ical Working (mL)	True Value (µg/L)
A	0	0
B	1	100
C	2.5	250
D	5	500
E	10	1000

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W31617 TPhos 8500 Digestion Solution #1
GSD 5/22/13 Into a 2L volumetric flask volumetrically add 213mL trace metal grade H2SO4 W 31293 and fill to volume with DI H_2O. Exp. (one month): 6/22/13

W31616CE TPhos 8500 UV digestion check Stock (100mg/L)
5/22/13 Into a 500 mL volumetric flask dissolve 0.1980g sodium triphosphate W 26401 and fill to volume with DI H_2O. Exp. (one month): 6/22/13

W31617CE TPhos 8500 Digestion Check (8 mg/L)
5/22/13 Into a 100 mL volumetric flask pipette 8 mL TPhos UV digestion check stock (100mg/L) W 31616 and fill to volume with H_2SO_4 diluent W 31520. Exp. (one month): 6/22/13

W31618 mwl 5/22/13 LL ophos LCS/ICV into a 100ml Vol. pipetted 0.01ml pay 1000mg/L W30897 & brought to Vol. w/ Milli Q H_2O TV = 0.1 mg/L exp 6/22/13

W31619 mwl 5/22/13 LL ophos spike into a 100ml Vol. pipetted 3ml 1000mg/L W30897 & brought to Vol. w/ Milli Q H_2O exp 6/22/13 TV = 30 mg/L

W31620 mwl 5/22/13 LL ophos ICV into a 200ml Vol. pipetted 0.02ml pay 1000mg/L W30355 & brought to Vol. w/ Milli Q H_2O TV = 0.1 mg/L exp 6/22/13

W31621 EJC 5/22/13 NH_3 IL Sodium Salicylate-Nitroprusside Color Reagent
Into a 1L volumetric flask dissolved 144g sodium salicylate W 31379 and 3.5g sodium nitroprusside W 30504 and brought to volume with DI H_2O.
EXP(1 month): 6/22/13

W31622 mwl 5/22/13 IC Eluent
Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.
Exp: 9/22/13

W31623 EJC 5/22/13 Cupric Digestion Solution
Into a 2L volumetric flask dissolve 268g potassium sulfate W 29498 and 14.6g copper sulfate W 29442 and slowly volumetrically add 268 mL H_2SO_4 W 31099 and fill to volume with DI H_2O. Exp(one month): 6/23/13

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W31568 EJC 5/15/13
Cr^{+6} ICal (200mg/L)
Into a 250mL volumetric flask pipette 5mL Ical/CCV working (10.0 mg/L) W 31567 and fill to volume with DI H_2O. Exp. (one year): 5/15/14
EJC 5/15/13

W31569 EJC 5/15/13
Cr^{+6} CCV (100µg/L)
Into a 250mL volumetric flask pipette 2.5mL Ical/CCV working (10mg/L) W 31567 and fill to volume with DI H_2O. Exp. (one year): 5/15/14
EJC 5/15/13

W31570 EJC 5/15/13
Cr^{+6} ICV/LCS Stock (1000mg/L)
Into a 1 L volumetric flask dissolve 2.829g potassium dichromate W 18802 and fill to volume with DI H_2O. Exp. (one year): 5/15/14

W31571 EJC 5/15/13
Cr^{+6} ICV/LCS Working (10.0mg/L)
Into a 100 mL volumetric flask pipette 1 mL ICV/LCS Stock (1000mg/L) W 31570 and fill to volume with DI H_2O. Exp. (one year): 5/15/14

W31572 EJC 5/15/13
Cr^{+6} ICV/LCS (100µg/L)
Into a 250mL volumetric flask pipette 2.5mL ICV/LCS working (10mg/L) W 31571 and fill to volume with DI H_2O. Exp. (one year): 5/15/14

W31573 VJS 5/15/13
Sulfide LCS (50 mg/L): add 1 mL sodium sulfide stock into a 200ml vol. flask + bring to vol. w/ DI Exp 5/16/13

W31574 EJC 5/16/13
IC LCS/ICV Mixed Standard (7 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 50 mg/L Sulfate, and 30 mg/L Chloride) *Diluted 1:1 daily with IC LCS/ICV Nitrite Standard to equal a value of 3.5 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 25 mg/L Sulfate, and 15 mg/L Chloride
Into a 500 mL volumetric flask pipetted 20 mL of Custom Mix Stock Standard (175 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 1250 mg/L Sulfate, and 750 mg/L Chloride) W 29804 and brought to volume with Milli-Q DI H_2O.
EXP (1 Month): 6/16/13

W31575 EJC 5/16/13
IC CCV Nitrite Standard (7 mg/L) *Diluted 1:1 daily with IC CCV Mixed Standard to equal a value of 3.5 mg/L Nitrite
Into a 500 mL volumetric flask piepetted 3.5 mL 1000 mg/L Nitrite W 30512 and brought to volume with Milli-Q DI H_2O. EXP (1 month): 6/16/13

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W31559 CES 5/14/13 TPhos 8500 Ascorbic
Into a ~~1 L~~ 500 volumetric flask dissolve ~~70g~~ 35g ascorbic acid W 31417 and ~~1.0g~~ 0.5g SDS W 30340 and fill to volume with DI H_2O. Exp. (two days): 5/16/13

W31560 CES 5/14/13 TPhos 8500 Digestion Solution #2
Into a 2L volumetric flask dissolve 52g potassium persulfate W 31561 and fill to volume with DI H_2O. Exp. (one month): 6/14/13

W31561 CES 5/14/13 Potassium persulfate [potassium peroxodisulfate] Fluka cat # 60489-250G-F lot # BCBJ2296V

W31562 EJC 5/14/13 IC Eluent
Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.
Exp: 9-22-13

W31563 TKN/TPHOS Spiking Solution (200mg/L NH_3 as N and PO_4^{-3} as P)
Into a 100mL volumetric flask pipetted 20mL TPHOS ICV/LCS Stock Standard 1000mg/L W 30897 and 20mL NH_3/TKN ICV/LCS Stock Standard 1000mg/L W 30902 and brought to volume with DI H_2O. EXP(1 month): 6/15/13
WS 5/15/13

W31564 TKN/TPHOS LCS (10mg/L NH_3 as N and PO_4^{-3} as P)
Into a 1L volumetric flask pipetted 10mL TPHOS ICV/LCS Stock Standard 1000mg/L W 30897 and 10mL NH_3/TKN ICV/LCS Stock Standard 1000mg/L W 30902 and brought to volume with DI H_2O. EXP(1 month): 6/15/13
WS 5/15/13

W31565 Cupric Digestion Solution
Into a 2L volumetric flask dissolve 268g potassium sulfate W 29696 and 14.6g copper sulfate W 29442 and slowly volumetrically add 268 mL H_2SO_4 W _____ and fill to volume with DI H_2O. Exp(one month): 6/15/13
WS 5/15/13

W31566 EJC 5/15/13 Cr^{+6} Ical/ CCV Stock (1000mg/L)
Into a 1 L volumetric flask dissolve 2.829g potassium dichromate W 18819A and fill to volume with DI H_2O. Exp. (one year): 5/15/14

W31567 EJC 5/15/13 Cr^{+6} Ical/CCV Working (10.0mg/L)
Into a 100 mL volumetric flask pipette 1 mL ICal/CCV Stock (1000mg/L) W 31566 and fill to volume with DI H_2O. Exp. (one year): 5/15/14

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W31552 EJC 5/13/13
LL TPhos 8500 ICal/ CCV Working (10mg/L)
Into a 100 mL volumetric flask pipette 1mL PO_4 ICal/ CCV stock (1000 mg/L) W 30355 and fill to volume with LL TPhos 8500 Diluent W 31479.
Exp. (one month): 6/13/13

W31553 EJC 5/13/13
LL TPhos 8500 CCV (200ug/L)
Into a 50 mL volumetric flask pipette 1 mL LL TPhos ICal/ CCV working (10 mg/L) W 31552 and fill to volume with LL H_2SO_4 diluent W 31479.
Exp. (one month): 6/13/13

W31554 EJC 5/13/13
LL TPhos 8500 ICal (500µg/L)
Into a 100 mL volumetric flask pipette 5mL LL TPhos ICal working (10 mg/L) W 31552 and fill to volume with LL H_2SO_4 diluent W 31479.
Exp. (one month): 6/13/13

W31555 EJC 5/13/13
LL TPhos 8500 ICV/ LCS Working (10mg/L)
Into a 100 mL volumetric flask pipette 1mL PO_4 ICV/ LCS stock (1000 mg/L) W 30897 and fill to volume with LL TPhos 8500 Diluent W 31479.
Exp. (one month): 6/13/13

W31556 EJC 5/13/13
LL TPhos 8500 ICV/LCS (200µg/L)
Into a 50 mL volumetric flask pipette 1 mL LL TPhos ICV/ LCS working (10 mg/L) W 31555 and fill to volume with LL H_2SO_4 diluent W 31479.
Exp. (one month): 6/13/13

W31557 EJC 5/13/13
IC CCV Mixed Standard (7 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 50 mg/L Sulfate, and 30 mg/L Chloride) *Diluted 1:1 daily with IC CCV Nitrite Standard to equal a value of 3.5 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 25 mg/L Sulfate, and 15 mg/L Chloride
Into a 500 mL volumetric flask pipetted 3.5 mL 1000 mg/L Fluoride W 29818, Phosphate W 30355, Bromide W 31339, and Nitrate W 30659, 15 ml 1000 mg/L Chloride W 31340, and 25 ml 1000 mg/L Sulfate W 30942 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 6/13/13

W31558 EJC 5/13/13
IC Mixed Spike Standard (64 mg/L Bromide, Nitrate, and Phosphate, 256 mg/L Chloride and Sulfate)
Into a 100 mL volumetric flask pipetted 6.4 mL 1000mg/L Bromide W 31339, Nitrate W 30659, and Phosphate W 30355 and 25.6 mL 1000 mg/L Chloride W 31340 and Sulfate W 30942 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 6/13/13

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W31530 CES 5/8/13

CN LCS/ICV Working Standard & Spike (10mg/L)
Into a 100 mL volumetric flask pipetted 1 mL CN LCS/ICV Stock Standard 1000 mg/L W 31348 and brought to volume with 0.25 M NaOH W 31529.
EXP (1 week): 5/15/13

W31531 CES 5/8/13

CN LCS/ICV (50 µg/L)
Into a 200 mL volumetric flask pipetted 1 mL CN LCS/ICV Working Standard 10,000 µg/L W 31530 and brought to volume with 0.25 M NaOH W 31529.
EXP (1 week): 5/15/13

W31532 CES
W31530 5/8/13 CES
5/9/13

CN ICAL/CCV Working Standard (10mg/L)
Into a 100 mL volumetric flask pipetted 1 mL CN ICAL/CCV Stock Standard 1000 mg/L W 28758 and brought to volume with 0.25 M NaOH W 31529.
EXP (1 week): 5/15/13

W31533 CES 5/8/13

CN ICAL
All levels pipetted into volumetric flasks and brought to volume with 0.25 M NaOH W 31529. EXP (1 Week): 5/13/13

Level	mLs ICAL/CCV Working Standard 10,000 µg/L W31532	Final Volume (mL)	True Value (µg/L)
1	2	200	100
2	0.75	100	75
3	0.5	100	50
Level	mLs 100 µg/L standard (level 1)	Final Volume (mL)	True Value (µg/L)
4	15	50	30
5	20	100	20
6	5	50	10

W31534 CES 5/8/13

4-Aminoantipyrine Color Reagent CES 5/8/13 0.16g
Into a ~~500mL~~ 250mL volumetric flask dissolve ~~0.32g~~ 4-AAP W 21897 and fill to volume with DI H_2O. Exp. (one day): 5/9/13

W31535
W31454 CES
5/8/13

Phenol Buffer
Into a 500mL volumetric flask dissolve 1g $K_3Fe(CN)_6$ W 22607, 1.55g boric acid W 25121, 1.875g KCl W 30437, volumetrically add 23.5mL 1N NaOH W 31232 and fill to volume with DI H_2O. Exp. (one week): 5/15/13

W81536 EJC 5/9/13

IC Nitrite and Fluoride Spike Standard (64 mg/L Nitrite and 32 mg/L Fluoride)
Into a 100 mL volumetric flask pipetted 6.4 mL 1000 mg/L Nitrite W 30512 and 3.2 mL 1000 mg/L Fluoride W 29818 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 6/9/13

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W31513 ESC 5/7/13

NH_3 IL ICV/LCS (4mg/L)
Into a 100 mL volumetric flask pipette 0.4ml NH_3 1000mg/L ICV/LCS stock W 30902 and fill to volume with H_2SO_4 diluent W 31300.
Exp. (two weeks): 5/21/13

W31514 ESC 5/7/13

NH_3 IL CCV (4 mg/L)
Into a 100 mL volumetric flask pipette 0.4ml NH_3 1000mg/L CCV/ICal stock W 31148 and fill to volume with H_2SO_4 diluent W 31300.
Exp. (two weeks): 5/21/13

W31515 CALC 5/7/13

NO_2+ NO_3 ICal (20 mg/L)
Into a 100 mL volumetric flask pipette 2mL NO_3 ICAL/CCV stock (1000 mg/L) W 30659 and fill to volume with H_2SO_4 diluent W 31300.
Exp (one month): 6/7/13

W31516 CALC 5/7/13

NO_2 + NO_3 CCV (5 mg/L)
Into a 100 mL volumetric flask pipette 0.5 mL NO_3 ICal/ CCV stock (1000 mg/L) W 30659 and fill to volume with H_2SO_4 diluent W 31300.
Exp (one month): 6/7/13

W31517 CALC 5/7/13

~~NO_2~~ + NO_3 ICV (5 mg/L)
Into a 100 mL volumetric flask pipette 0.5 mL NO_2 ICV/LCS stock (1000 mg/L) W 30257 and fill to volume with H_2SO_4 diluent W 31300.
Exp (one month): 6/7/13

W31518 CALC 5/7/13

NO_2 + NO_3 LCS (5 mg/L)
Into a 100 mL volumetric flask pipette 0.5 mL NO_3 ICV/LCS stock (1000 mg/L) W 31174 and fill to volume with H_2SO_4 diluent W 31300.
Exp (one month): 6/7/13

W31519 CES 5/7/13

LL Ophos CCV- Into a 100mL vol pipette 0.01mL PO4 CCV/ICal 1000mg/L stock W30355 + fill to w/ milliQ H2O. TV = 0.1mg/L exp 6/7/13

W31520 CALC 5/7/13

H_2SO_4 Diluent CES 5/21/13
Into a large carboy volumetrically add 40mL ~~trace metal grade~~ H_2SO_4 W 31099 and fill to a final volume of 20L with DI H_2O.
Exp ~~(one month)~~ three: 8/7/13

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W31488 mwl 5-1-13

Cr^{+6} Water DPC Color Reagent
Into a 1 L volumetric flask dissolve 0.40g s-diphenylcarbazide (DPC) W 31403 in 200mL 2-propalnol W 31499. Add 720mL DI H_2O and then 80 mL H_2SO_4 W 31099 and fill to volume with DI H_2O. Exp. (one month): 6/1/13

W31489 mwl 5-1-13

Cr^{+6} Water Color Correction Reagent
Into a 1 L volumetric flask volumetrically add 200mL 2-propalnol W 31499, 720mL DI H_2O, and 80 mL H_2SO_4 W 3099. Fill to volume with DI H_2O. Exp. (one year): 5/1/14

W31490 ESC 5-1-13 IC PT 287900: Into a 200mL vol. pipetted 1mL PT concentrate + brought to vol. w/ Milli Q DI H_2O. exp: 6-1-13

W31491 ESC 5-1-13 IC PT 287896: Into a 200mL vol. pipetted 1mL PT concentrate + brought to vol. w/ Milli Q DI H_2O. exp: ~~6-1-13~~ 5-3-13 ESC 5-1-13

W31492 ESC 5-1-13 ESC 5-1-13

IC Eluent
Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.
Exp: 9-22-13

W31493 ESC 5/2/13 Cr^{+6} H_2O PT - Into a 200mL vol pipetted 1mL 287904 + filled to vol w/ DI H_2O. exp 6/2/13

W31494 ESC 5/2/13

TKN Hypochlorite
Into a 500 mL volumetric flask volumetrically add 30 mL 5.25% sodium hypochlorite bleach W 31307 and fill to volume with DI H_2O. Exp. (one day): 5/3/13

W31495 ESC 5/2/13

Sodium Salicylate-Nitroprusside Color Reagent
Into a 1L volumetric flask dissolved 150g sodium salicylate W 31379 and 1g sodium nitroprusside W 30504 and brought to volume with DI H_2O.
EXP(1 month): 6/2/13

W31496 ESC 5/2/13

TKN/ TPHOS Cupric Diluent
Into a 2L volumetric flask volumetrically add 800mL cupric digestion solution W 31483 and fill to volume with DI H_2O. Exp (one month): 6/2/13

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W31447 0.8M Sodium Hydroxide
Into a 1L volumetric flask dissolved 32g NaOH W 30844 and brought to volume with DI H_2O. EXP(1 month): 5/25/13
4/25/13

W31448 COD ICal Stock (1000mg/L)
mwl 4/25/13
Into a 200mL volumetric flask dissolve 0.17g Potassium Hydrogen Phthalate W 19521 and fill to volume with DI H_2O. Exp. (three months): 7/25/13

W31449 COD ICal using ICal Stock (1000mg/L) W 31448 and fill to a final volume of 100 mL with DI H_2O. Exp. (three months): 7/25/13
mwl 4/25/13

	ICal Stock (mLs)	True Value (mg/L)
A	0	0
B	1	10
C	2.5	25
D	5	50
E	10	100
F	50	500
G	75	750

W31450 COD CCV (~~400~~ 400 mg/L) 4-25-13 mwl
mwl 4/25/13
Into a ~~250mL~~ volumetric flask volumetrically added ~~100ml~~ 40ml ICal Stock (1000mg/L) W 31448 and fill to volume with DI H_2O. Exp. (three months): _____

W31451 IC Eluent
mwl 4-26-13
Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.
Exp: 9-22-13

W31452 EJC 2N KCl Extraction Solution
4/26/13
Into a 1L volumetric flask dissolve 149g potassium chloride W 30437 + W31166 and fill to volume with DI H_2O. Exp(one month): 5/26/13

W31453 EJC NH_3 LCSS (1.25 mg/L)
4/26/13
Into a 50mL volumetric flask pipetted 0.0625mL NH_3/TKN LCS/ICV Stock 1000mg/L W 30902 and brought to volume with 2N KCl W 31452.
EXP. (two weeks) 5/10/13

W31454 EJC Sodium Nitroprusside Reagent
4/26/13
Into a 500mL volumetric flask dissolved 1.75g sodium nitroprusside W 30504 and brought to volume with DI H_2O. EXP(1 month): 5/26/13

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W31402 CG 4/19/13 LL TPhos 8500 ICV/LCS (200µg/L)
Into a 50 mL volumetric flask pipette 1 mL LL TPhos ICV/ LCS working (10 mg/L) W 31288 and fill to volume with LL H_2SO_4 diluent W 31201.
Exp. (one month): 5/2/13

W31403 BMS 04/22/13 TOCW Ical./CCV Stock (1000 mg/L): Into a 100mL vol., dissolved 0.2128 g of KHP (W19521) and brought to volume with Milli Q H_2O Exp 10/22/13.

W31404 BMS 04/22/13 TOCW ICV/LCS Stock (1000mg/L): Into a 100mL vol, dissolved 0.2128 g of KHP (W29079) and brought to volume with Milli Q H_2O. Exp. 10/22/13.

W31405 BMS 04/22/13 TOCW CCV Std. (50mg/L): Into a 200 mL vol., pipetted 10.0 mL of W31403 and brought to volume with Milli Q H_2O. Exp 05/22/13.

W31406 BMS 04/22/13 TOCW LCS Std. (50mg/L): Into a 100mL vol, pipetted 5.0 mL of W31404 and brought to volume with Milli Q H_2O. Exp. 05/22/13.

W31407 CG 4/22/13 IC LCS/ICV Nitrite Standard (7 mg/L) *Diluted 1:1 daily with IC LCS/ICV Mixed Standard to equal a value of 3.5 mg/L Nitrite
Into a 500 mL volumetric flask pipetted 3.5 mL 1000 mg/L Nitrite W 30257 and brought to volume with Milli-Q DI H_2O. EXP (1 month): 5/22/13

W31408 EJC 4/22/13 Phenol Buffer
Into a 500mL volumetric flask dissolve 1g $K_3Fe(CN)_6$ W 22607, 1.55g boric acid W 25121, 1.875g KCl W 30437, volumetrically add 23.5mL 1N NaOH W 31232 and fill to volume with DI H_2O. Exp. (one week): 4/29/13

W31409 EJC 4/22/13 4-Aminoantipyrine Color Reagent
Into a 500mL volumetric flask dissolve 0.32g 4-AAP W 21897 and fill to volume with DI H_2O. Exp. (one day): 4/23/13

W31410 EJC 4/22/13 Cupric Digestion Solution
Into a 2L volumetric flask dissolve 268g potassium sulfate W 29696 and 14.6g copper sulfate W 29442 and slowly volumetrically add 268 mL H_2SO_4 W 31099 and fill to volume with DI H_2O. Exp(one month): 5/22/13

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W31361 4/15/13 CES — TPhos Cupric Molybdate Color Reagent 4/15/13 CES 17.7mL
Into a ~~1L~~ 500mL volumetric flask volumetrically add ~~35~~ 106.5mL H_2SO_4 W 31099, ~~213~~ mL stock Ammonium Molybdate W 31224, and ~~72~~ 38.4mL stock Antimony Potassium Tartrate W 31054 and fill to volume with DI H_2O. CES 4/15/13
Exp (one month): 4/26/13

W31362 EJC 4/15/13 — IC LCS/ICV Mixed Standard (7 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 50 mg/L Sulfate, and 30 mg/L Chloride) *Diluted 1:1 daily with IC LCS/ICV Nitrite Standard to equal a value of 3.5 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 25 mg/L Sulfate, and 15 mg/L Chloride
Into a 500 mL volumetric flask pipetted 20 mL of Custom Mix Stock Standard (175 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 1250 mg/L Sulfate, and 750 mg/L Chloride) W 29801 and brought to volume with Milli-Q DI H_2O.
EXP (1 Month): 5/15/13

W31363 EJC 4/15/13 — IC CCV Nitrite Standard (7 mg/L) *Diluted 1:1 daily with IC CCV Mixed Standard to equal a value of 3.5 mg/L Nitrite
Into a 500 mL volumetric flask piepetted 3.5 mL 1000 mg/L Nitrite W 30512 and brought to volume with Milli-Q DI H_2O. EXP (1 month): 5/15/13

W31364 EJC 4/15/13 — IC NO_2 DW PT 284500: Into a 200mL vol pipetted 1mL PT stock 284500 + brought to vol w/ Milli Q DI H_2O. exp: 4/16/13

W31365 CES 4/15/13 — Hydrochloric Acid - Fisher cat #A144C-212 lot# 123468

W31366 EJC 4/15/13 — Sulfide LCS 1000mg/L stock: Into a 200mL vol. dissolved 1.5g Na_2SO_3 W22510 + brought to vol. w/ 0.25N NaOH W31347 tv=1000mg/L exp: 5/15/13

W31367 EJC 4/15/13 — RSulfide LCS: Into a glass jar pipetted 0.05mL Sulfide LCS stock W31366 into 0.5g sand W23481 + added 10mL DI H_2O. tv=100mg/kg exp: 4/15/13

W31368 CES 4/16/13 — NH_3 IL Hypochlorite
Into a 1L volumetric flask volumetrically add 60 mL 5.25% sodium hypochlorite bleach W 31307 and fill to volume with DI H_2O. Exp (one day): 4/17/13

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W31354 EJC 4/12/13
IC CCV Mixed Standard (7 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 50 mg/L Sulfate, and 30 mg/L Chloride) *Diluted 1:1 daily with IC CCV Nitrite Standard to equal a value of 3.5 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 25 mg/L Sulfate, and 15 mg/L Chloride
Into a 500 mL volumetric flask pipetted 3.5 mL 1000 mg/L Fluoride W 29818, Phosphate W 30355, Bromide W 31339, and Nitrate W 30659, 15 ml 1000 mg/L Chloride W 31340, and 25 ml 1000 mg/L Sulfate W 30942 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 5/12/13

W31355 EJC 4/12/13
LL OPhos CCV: Into a 100mL vol. pipetted 0.01mL PO_4 CCV/ICAL 1000mg/L stock W30355 & brought to vol. w/ Milli Q DI H_2O. tv=0.1mg/L exp: 5/12/13

W31356 EJC 4/15/13
$NO_2 + NO_3$ Color Reagent
Into a 1L volumetric flask volumetrically dissolve 40g sulfanilamide W 26417 and 1g N-(1-naphthyl)ethylenediamine dihydrochloride (NED) W 26416 volumetrically add 100mL phosphoric acid W 29144 and fill to volume with DI H_2O. Exp (one month): 5/15/13

W31357 CES 4/15/13
Pyridine Color Reagent
Into a 500 mL volumetric flask dissolved 7.5 g barbituric acid W 29946, volumetrically added 37.5 mL pyridine W 29349, and pipetted 7.5 mL hydrochloric acid W 29947 and brought to volume with DI H_2O.
EXP (1 week): 4/22/13

W31358 CES 4/15/13
Chloramine-T Reagent CES 4/15/13 1g
Into a ~~500~~ 250mL volumetric flask dissolved ~~2~~ g chloramine-T W _____ and brought to volume with DI H_2O. EXP (24hr): 4/16/13

W31359 EJC 4/15/13
$NO_2 + NO_3$ ICV (5 mg/L)
Into a 100 mL volumetric flask pipette 0.5 mL NO_2 ICV/LCS stock (1000 mg/L) W 30257 and fill to volume with H_2SO_4 diluent W 31300.
Exp (~~one month~~): 4/22/13
EJC 4/15/13 week

W31360 CES 4/15/13
TPhos Cupric Ascorbic
Into a 250 mL volumetric flask dissolve 15g Ascorbic Acid W 31204 and 0.25g Sodium Dodecyl sulfate (SDS) W 30340 and fill to volume with DI H_2O.
Exp.(one day): 4/16/13

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W31347 0.25 M Sodium Hydroxide
US Into a 2 L volumetric flask dissolved 60 g sodium hydroxide W 30844 and
4/12/13 brought to volume with DI H20, then brought to final volume of 6 L in a large carboy with DI H20. EXP (1 Month): 5/12/13

W31348 Cyanide Std. Ricca Chemical Co, Cat # 2813-4, Lot # 4302373 Exp Aug2013
US
4/12/13

W31349 CN ICAL/CCV Working Standard (10mg/L)
4/12/13 Into a 100 mL volumetric flask pipetted 1 mL CN ICAL/CCV Stock Standard 1000
US mg/L W 31348 and brought to volume with 0.25 M NaOH W 31347.
EXP (1 week): 4/19/13

CN ICAL
All levels pipetted into volumetric flasks and brought to volume with 0.25 M NaOH W 31347. EXP (1 Week): 4/19/13

W31380
4/11/13
US

Level	mLs ICAL/CCV Working Standard 10,000 µg/L W31349	Final Volume (mL)	True Value (µg/L)
1	2	200	100
2	0.75	100	75
3	0.5	100	50
Level	mLs 100 µg/L standard (level 1)	Final Volume (mL)	True Value (µg/L)
4	15	50	30
5	20	100	20
6	5	50	10

W31351 CN LCS/ICV Working Standard& Spike (10mg/L)
4/12/13 Into a 100 mL volumetric flask pipetted 1 mL CN LCS/ICV Stock Standard 1000
US mg/L W 29155 and brought to volume with 0.25 M NaOH W 31347.
EXP (1 week): 4/19/13

W31352 CN LCS/ICV (50 µg/L)
4/12/13 Into a 200 mL volumetric flask pipetted 1 mL CN LCS/ICV Working Standard 10,000
US µg/L W 31351 and brought to volume with 0.25 M NaOH W 31347.
EXP (1 week): 4/19/13

W31353 EJC IC Eluent
4/12/13 Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.
Exp: 9/22/13

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W31340 Chloride Std - Accu Brea 1000 mg/L cat # 250-220-371
4/11/13 lot # S12090501D exp 4/11/14

TKN Buffer Reagent
W31341 Into a 2L volumetric flask dissolved 40g EDTA W 31186, 70g sodium phosphate dibasic heptahydrate W 31195, and 100g NaOH W 30844 and brought to volume with DI H_2O. EXP(1 month): 5/11/13
WS 4/11/13

0.8M Sodium Hydroxide
W31342 Into a 1L volumetric flask dissolved 32g NaOH W 30844 and brought to volume with DI H_2O. EXP(1 month): 5/11/13
WS 4/11/13

W31341 NH_3 Undistilled ICAL (2.5mg/L)
4-12-13 Into a 100mL volumetric flask pipetted 0.25mL NH_3/TKN CCV/ICAL Stock Standard 1000mg/L W 29537 and brought to volume with H_2SO_4 Diluent W 31300.
mwl EXP. (two weeks): 4-26-13

W31342 NH_3 Undistilled CCV (1.25mg/L)
4-12-13 Into a 100mL volumetric flask pipetted 0.125mL NH_3/TKN CCV/ICAL Stock Standard 1000mg/L W 29537 and brought to volume with H_2SO_4 Diluent W 31300. EXP. (two weeks): 4-26-13
mwl

W31343 NH_3 Undistilled ICV/LCS (1.25mg/L)
4-12-13 Into a 100mL volumetric flask pipetted 0.125mL NH_3/TKN ICV/LCS Stock Standard 1000mg/L W 30902 and brought to volume with H_2SO_4 Diluent W 31300. EXP. (two weeks): 4-26-12
mwl

W31344 Sodium Phenolate Color Reagent
mwl Into a 500mL volumetric flask dissolved 16g NaOH W 30844 and volumetrically added 44mL phenol W 30049 and brought to volume with DI H_2O.
4-12-13 EXP(1 week): 4-19-13

W31345 NH_3 Sodium Hypochloride
mwl Into a 500mL volumetric flask volumetrically added 250mL Bleach W 31307 and brought to volume with DI H_2O. EXP(24 hours): 4-13-13
4-12-13

W31346 NH_3 LCSS (1.25 mg/L)
mwl Into a 50mL volumetric flask pipetted 0.0625mL NH_3/TKN LCS/ICV Stock 1000mg/L W 30902 and brought to volume with 2N KCl W 31294.
4-12-13 EXP. (two weeks) 4-26-12

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W31333 CES 4/10/13
Alkalinity ICV/LCS Stock (2500mg/L)
Into a 250mL volumetric flask dissolve 0.6625g Na_2CO_3 W 28300 and fill to volume with CO_2 free DI H_2O. Exp. (one month): 5/14/13

W31334 CES 4/10/13
Alkalinity LCS (375mg/L)
Into a 200mL volumetric flask pipette 30mL LCS/ICV stock (2500mg/L) W 29 and fill to volume with CO_2 free DI H_2O. Exp. (one month): 5/10/13

W31335 EJC 4/10/13
TPhos 8500 0.72N Sulfuric Acid Carrier
Into a 2L volumetric flask volumetrically add 76 mL trace metal grade H_2SO_4 W_____ _____ and dissolve 10g NaCl W 30481 and 2g SDS W 30340 and fill to volume with DI H_2O. Exp. (one month): 5/10/13

W31336 EJC 4/10/13
TPhos 8500 Digestion Solution #1
Into a 2L volumetric flask volumetrically add 213mL trace metal grade H2SO4 W_____ 31293 and fill to volume with DI H_2O. Exp. (one month): 5/10/13

W31320 4/11/13 KS
TKN Hypochlorite
Into a 500 mL volumetric flask volumetrically add 30 mL 5.25% sodium hypochlorite bleach W 31307 and fill to volume with DI H_2O. Exp. (one day): 4/12/13

W31337 CES 4/11/13
IC Mixed Spike Standard (64 mg/L Bromide, Nitrate, and Phosphate, 256 mg/L Chloride and Sulfate)
Into a 100 mL volumetric flask pipetted 6.4 mL 1000mg/L Bromide W 31339, Nitrate W 30609 and Phosphate W 30355 and 25.6 mL 1000 mg/L Chloride W ~~25933~~ W31343 and Sulfate W 30942 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 5/11/13
CES 4/11/13

W31338 CES 4/11/13
6N HCl - Into a 500mL vol volumetrically add 250mL HCl W_____ & filled to vol w/ DI H_2O.
exp 4/11/14

W31339 CES 4/11/13
Bromide Std - AccuSpec cat # ~~22~~ 250-220-236 1,000 ug/mL
exp 4/11/14 lot # S21205026
CES 4/11/13

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W31310 mal 4-5-13

IC Eluent

Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.

Exp: 9-22-13

W31311 BMB 04/05/13 TOCS MDL Study (1000 mg/kg): Weighed up ~1.3mg of Dextrose (W23772). 8 reps analyzed.

W31312 CES 4/8/13

NO_2+ NO_3 ICal (20 mg/L)

Into a 100 mL volumetric flask pipette 2mL NO_3 ICAL/CCV stock (1000 mg/L) W 30659 and fill to volume with H_2SO_4 diluent W 31300.

Exp (one ~~month~~ week): 4/15/13 4/8/13 CES

W31313 CES 4/8/13

NO_2 + NO_3 ICV (5 mg/L)

Into a 100 mL volumetric flask pipette 0.5 mL NO_2 ICV/LCS stock (1000 mg/L) W 30257 and fill to volume with H_2SO_4 diluent W 31300.

Exp (one ~~month~~ week): 4/15/13 CES 4/8/13

W31314 CES 4/8/13

NO_2 + NO_3 CCV (5 mg/L)

Into a 100 mL volumetric flask pipette 0.5 mL NO_3 ICal/ CCV stock (1000 mg/L) W 30659 and fill to volume with H_2SO_4 diluent W 31300.

Exp (one ~~month~~ week): CES 4/8/13

W31315 CES 4/8/13

NO_2 + NO_3 LCS (5 mg/L)

Into a 100 mL volumetric flask pipette 0.5 mL NO_3 ICV/LCS stock (1000 mg/L) W 31174 and fill to volume with H_2SO_4 diluent W 31300.

Exp (one ~~month~~ week): ~~4/18/13~~ 4/15/13 CES 4/8/13

W31316 ESC 4/8/13

IC Nitrite and Fluoride Spike Standard (64 mg/L Nitrite and 32 mg/L Fluoride)

Into a 100 mL volumetric flask pipetted 6.4 mL 1000 mg/L Nitrite W 30512 and 3.2 mL 1000 mg/L Fluoride W 29818 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 5/8/13

W31317 ESC 4/8/13

VFA Eluent: Into a 2L vol. added 50mL Eluent stock W31129 & brought to vol. w/ Milli Q DI H_2O.

Exp: 5/8/13

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W31207 EJC 3/21/13
IC LCS/ICV Nitrite Standard (7 mg/L) *Diluted 1:1 daily with IC LCS/ICV Mixed Standard to equal a value of 3.5 mg/L Nitrite
Into a 500 mL volumetric flask pipetted 3.5 mL 1000 mg/L Nitrite W 30257 and brought to volume with Milli-Q DI H_2O. EXP (1 month): 4/21/13

W31208 EJC 3/21/13
IC Eluent
Into a large carboy, pipetted 20mL eluent concentrate W 29953 and filled to a final volume of 10L with Milli Q DI H_2O.
Exp: 9/22/13

W31209 EJC 3/21/13
IC ICAL Mixed Standard (50 mg/L):
Into a 100 mL volumetric flask pipetted 5 mL of 1000 mg/L Nitrite W 30512, Fluoride W 29818, Bromide W 28647, Nitrate W 30659, and Phosphate W 30355 and brought to volume with Milli-Q DI H_2O.
EXP (48 Hours): 3/23/13

W31210 EJC 3/21/13
IC ICAL
Prepared in 100 mL volumetric flasks and brought to volume with Milli-Q DI H_2O.

	1	2	3	4	5	6	7	8
mLs Mixed Std 50mg/L W 31209	0	0.2	1.0	2.0	4.0	10.0	14.0	28.0
mLs Chloride 1000mg/L W 28933	0	0.05	0.1	0.5	1.0	2.0	3.0	4.0
mLs Sulfate 1000mg/L W 30942	0	0.05	0.1	0.5	1.0	3.0	5.0	7.0

EXP (48 Hours): 3/23/13

W31211 EJC 3/21/13
TPhos Cupric Ascorbic
Into a 250 mL volumetric flask dissolve 15g Ascorbic Acid W 31004 and 0.25g Sodium Dodecyl sulfate (SDS) W 30340 and fill to volume with DI H_2O.
Exp(one day): 3/22/13

W31212 LTS 3/22/13
Phenolics ICAL Working (1000 µg/L)
Into a 100 mL volumetric flask pipette 0.1mL Phenol ICal/CCV Stock (1000mg/L) W 26909 and fill to volume with DI H_2O. Exp. (one week): 3/29/13

W31213 LTS 3/22/13
Phenolics CCV (250 µg/L)
Into a 200 mL volumetric flask pipette 0.05mL Phenol ICal/CCV Stock (1000mg/L) W 26909 and fill to volume with DI H_2O. Exp. (one week): 3/29/13

W31214 LTS 3/22/13
Phenolics LCS (250 µg/L)
Into a 200 mL volumetric flask pipette 0.05mL Phenol ICV/LCS Stock (1000mg/L) W 30826 and fill to volume with DI H_2O. Exp. (one week): 3/29/13

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W30936
2/7/13 EJC

NO_2+ NO_3 ICal (20 mg/L)
Into a 100 mL volumetric flask pipette 2mL NO_3 ICAL/CCV stock (1000 mg/L) W 30659 and fill to volume with H_2SO_4 diluent W 30836.
Exp ~~(one month)~~ Two weeks: 2/21/13

W30937
2/7/13 EJC

NO_2 + NO_3 CCV (5 mg/L)
Into a 100 mL volumetric flask pipette 0.5 mL NO_3 ICal/ CCV stock (1000 mg/L) W 30659 and fill to volume with H_2SO_4 diluent W 30836.
Exp ~~(one month)~~ Two weeks: 2/21/13

W30938 EJC
2/8/13

TPhos 8500 Digestion Solution #1
Into a 2L volumetric flask volumetrically add 213mL trace metal grade H2SO4 W W30343 and fill to volume with DI H_2O. Exp. (one month): 3/8/13

EJC 2/8/13

W30939
2/8/13 EJC

TPhos 8500 Digestion Solution #2
Into a 2L volumetric flask dissolve 52g potassium persulfate W 30366 and fill to volume with DI H_2O. Exp. (one month): 3-8-13

W30940 EJC
2/8/13

TPhos 8500 Ascorbic
Into a 500 mL volumetric flask dissolve 35g ascorbic acid W 30693 and 0.5 g SDS W 30340 and fill to volume with DI H_2O. Exp. (two days): 2/9/13

W30941 EJC
2/8/13

LL TPhos 8500 H_2SO_4 Diluent
Into a 2L volumetric flask pipette 4 mL trace metal grade H_2SO_4 W 30343 and fill to volume with DI H_2O. Exp. (three months): 5/8/13

W30942
LJS 2/8/13

Sulfate ICal-CCV Stock 1000mg/L, AccuSPEC, 250-220-701
Lot: S12090401 EXP: 06/14 or 12 mo; 2/8/14

W30943
LJS
2/8/13

IC CCV Mixed Standard (7 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 50 mg/L Sulfate, and 30 mg/L Chloride) *Diluted 1:1 daily with IC CCV Nitrite Standard to equal a value of 3.5 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 25 mg/L Sulfate, and 15 mg/L Chloride.
Into a 500 mL volumetric flask pipetted 3.5 mL 1000 mg/L Fluoride W 29818, Phosphate W 30355, Bromide W 28047, and Nitrate W 30659, 15 ml 1000 mg/L Chloride W 29933, and 25 ml 1000 mg/L Sulfate W 30942 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 3/8/13

W30655 CES 12/20/12

CN Buffer Reagent
Into a 500 mL volumetric flask dissolved 48.5 g potassium phosphate monobasic W 30657 and brought to volume with DI H_2O.
EXP (1 month): 1/20/13

W30656 CES 12/20/12

Pyridine Color Reagent
Into a 500 mL volumetric flask dissolved 7.5 g barbituric acid W 29946, volumetrically added 37.5 mL pyridine W 29349, and pipetted 7.5 mL hydrochloric acid W 29947 and brought to volume with DI H_2O.
EXP (1 week): 12/27/12

W30657 CES 12/20/12

Potassium Phosphate Monobasic – Fisher cat # P285-500
lot # 116029

W30658 CES 12/20/12 CES 12/21/12

IC Mixed Spike Standard (64 mg/L Bromide, Nitrate, and Phosphate, 256 mg/L Chloride and Sulfate)
Into a 100 mL volumetric flask pipetted 6.4 mL 1000mg/L Bromide W 28647, Nitrate W 30659, and Phosphate W 30355 and 25.6 mL 1000 mg/L Chloride W 28933 and Sulfate W 28930 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 1/21/13

W30659 CES 12/21/12

Nitrate std – Fisher cat # 250-220-521 – lot # 5120328049
exp 12/21/13

W30660 12/22/12 CES

TKN Buffer Reagent
Into a 2L volumetric flask dissolved 40g EDTA W 28198, 70g sodium phosphate dibasic heptahydrate W 28158, and 100g NaOH W 29942 and brought to volume with DI H_2O. EXP(1 month): 1/22/13

W30661 CES 12/22/12

NH_3 IL Borate Buffer
Into a 500 mL volumetric flask dissolve 2.5g sodium tetraborate decahydrate W 23610 and 11g NaOH W 29842 and fill to volume with DI H_2O.
Exp (one month): 1/22/13

W30661 CES 12/22/12

NH_3 IL Buffer
Into a 1L volumetric flask dissolve 30g NaOH W 29842, 25g EDTA W 28193 and 67g Sodium Phosphate Dibasic Heptahydrate W 28156 and fill to volume with DI H_2O. Exp (one month): 1/22/13

W30514 EJC 11-30-12

IC ICAL Mixed Standard (50 mg/L):
Into a 100 mL volumetric flask pipetted 5 mL of 1000 mg/L Nitrite W 30512, Fluoride W 29818, Bromide W 28647, Nitrate W 27863, and Phosphate W 30355 and brought to volume with Milli-Q DI H_2O.
EXP (48 Hours): 12-1-12

W30515 EJC 11-30-12

IC ICAL
Prepared in 100 mL volumetric flasks and brought to volume with Milli-Q DI H_2O.

	1	2	3	4	5	6	7	8
mLs Mixed Std 50mg/L W30514	0	0.2	1.0	2.0	4.0	10.0	14.0	28.0
mLs Chloride 1000mg/L W28933	0	0.05	0.1	0.5	1.0	2.0	3.0	4.0
mLs Sulfate 1000mg/L W28930	0	0.05	0.1	0.5	1.0	3.0	5.0	7.0

EXP (48 Hours): 12-1-12

W30516 CES 12/1/12

IC CCV Nitrite Standard (7 mg/L) *Diluted 1:1 daily with IC CCV Mixed Standard to equal a value of 3.5 mg/L Nitrite
Into a 500 mL volumetric flask piepetted 3.5 mL 1000 mg/L Nitrite W 30512 and brought to volume with Milli-Q DI H_2O. EXP (1 month): 1/1/13

W30517 CES 12/1/12

IC Nitrite and Fluoride Spike Standard (128 mg/L Nitrite and 32 mg/L Fluoride)
Into a 100 mL volumetric flask pipetted 12.8 mL 1000 mg/L Nitrite W 30512 and 3.2 mL 1000 mg/L Fluoride W 29818 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 1/1/13

W30518 CES 12/1/12

IC Eluent - Into a large carboy pipetted 20mL dense conc. W29853 & filled to a final vol of 10L w/ milli-Q H2O
exp 9/22/13

W30519 CES 12/3/12

NH_3 LCSS - Into a 50mL vol pipetted 0.0625mL NH_3/TKN LCS stock W30060 & filled to vol w/ 2M KCl soln W30436
exp 12/10/12 TV = 1.25 mg/L

W30520 CES 12/3/12

NH_3 MDLS study - Into 8 50mL vol pipetted 0.01mL W30060 & filled to vol w/ 2M KCl soln W30436
exp 12/10/12 TV = 0.2 mg/L

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W30505 CES 11/28/12 — TKN hypochlorite – Into a 500mL vol volumetrically added 30mL bleach W29883 + filled to vol w/ dI H2O. exp 11/29/12

W30506 CES 11/29/12 — NO2 + NO3 Ical (20mg/L) – Into a 100mL vol pipetted 2mL NO3 Ical/CCV stock W27863 + filled to volw/ H2SO4 diluent W30273 exp 12/6/12

W30507 CES 11/29/12 — NO2 + NO3 CCV (5mg/L) – Into a ~~5~~ CES 11/29/12 100mL vol pipetted 0.5mL NO3 Ical/CCV stock W27863 + filled to vol w/ H2SO4 diluent W30273. exp 12/6/12

W30508 CES 11/29/12 — NO2+NO3 ICV (5mg/kg/L) – Into a 100mL vol pipetted 0.5mL NO2 ICV/LCS Stock W30257 + filled to volw/ H2SO4 diluent W30273. exp 12/6/12

W30509 CES 11/29/12 — NO2 + NO3 LCS (5mg/L) – Into a 100mL vol pipetted 0.5mL NO3 ICV/LCS stock ~~W30~~ CES 11/29/12 W28693 + filled to volw/ ~~dI~~ H2SO4 diluent W30273. exp 12/6/12

W30510 CES 11/29/12 — LJS TSS IDC – Into a 250mL vol dissolved 0.1g Diatomaceous earth W24339 + filled to volw/ dI H2O. exp 12/28/12 TV = 400mg/L

W30511 CES 11/29/12 — Thios Soil Cuprik Ascorbic – Into a 250mL vol dissolved 11/29/12 5g ascorbic W29826 + 0.25g SDS ~~W25574~~ W30340 + filled to vol w/ dI H2O. exp 11/30/12

W30512 EJC ~~11/29/12~~ 11/30/12 EJC 11-30-12 — Nitrite as N 1000 mg/L : AccuSPEC Cat# 250-220-551 Lot # 5120308003 exp: 11/30/13

W30513 EJC 11/30/12 — ICNO2 ICAL : Into 6 seperate 100mL vol pipetted 0.5, 0.2, 0.1, 0.05, 0.01, +0 mL NO2 1000mg/L ICAL/CCV stock W30512 & brought to vol. w/ MilliQ DI H2O. exp: 12-1-12

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W30451 GES 11/20/12 — Alk LCS (375 mg/L) - Into a 200mL vol pipetted 30mL W30449 + filled to vol w/ CO_2 free dI H_2O exp 12/20/12

W30452 GES 11/20/12 — Alk ICV (75 mg/L) - Into a 100mL vol pipetted ea 3mL W30449 filled to vol w/ CO_2 free dI H_2O. exp 12/20/12

W30453 GES 11/20/12 — Alk Trace exp 12/20/12

mLs W30450	final vol CO_2 free dI H_2O
A 30	100
B 25	
C 20	
D 15	
E 10	
F 5	
G 3	
H 1	
I 0	

W30454 GES 11/20/12 — KHP Buffer - Into a beaker dissolved 2.5g KHP ~~W28~~ W29079 exp 11/22/12 in 450mL CO_2 free dI H_2O. + 42.5mL 0.1 M HCl + adj to 3.1 ± 0.05 exp 11/27/12

W30455 EJC 11/20/12 — IC Mixed Spike Standard (64 mg/L Bromide, Nitrate, and Phosphate, 256 mg/L Chloride and Sulfate)

Into a 100 mL volumetric flask pipetted 6.4 mL 1000mg/L Bromide W 28647, Nitrate W 27863, and Phosphate W 30355 and 25.6 mL 1000 mg/L Chloride W 28933 and Sulfate W 28930 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 12/20/12

W30456 EJC 11/20/12 — IC Elvent: Into a carboy pipetted 20mL Elvent Concentrate W29953 & brought to vol. w/ Milli-Q DI H_2O. exp: 9/22/13

W30457 GES 11/20/12 — Carb soil dig soln - Into a 2L vol dissolved 40g NaOH W29842 + 60g Sodium carbonate anhydrous W28225 + Filled to vol w/ dI H_2O. exp 11/20/13

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W30419
11-16-12
mm

0.25 M Sodium Hydroxide

Into a 2 L volumetric flask dissolved 60 g sodium hydroxide W 29842 and brought to volume with DI H20, then brought to final volume of 6 L in a large carboy with DI H20. EXP (1 Month): 12-16-12

W30420
11-16-12
mm

CN ICAL/CCV Working Standard (10mg/L)

Into a 100 mL volumetric flask pipetted 1 mL CN ICAL/CCV Stock Standard 1000 mg/L W 28755 and brought to volume with 0.25 M NaOH W 30419.
EXP (1 week): 11/23/12

W30421
11-16-12
mm

CN ICAL

All levels pipetted into volumetric flasks and brought to volume with 0.25 M NaOH W 30419. EXP (1 Week):

Level	mLs ICAL/CCV Working Standard 10,000 µg/L W30420	Final Volume (mL)	True Value (µg/L)
1	2	200	100
2	0.75	100	75
3	0.5	100	50
Level	mLs 100 µg/L standard (level 1)	Final Volume (mL)	True Value (µg/L)
4	15	50	30
5	20	100	20
6	5	50	10

W30422
11-16-12
mm

CN LCS/ICV Working Standard& Spike (10mg/L)

Into a 100 mL volumetric flask pipetted 1 mL CN LCS/ICV Stock Standard 1000 mg/L W 30258 and brought to volume with 0.25 M NaOH W 30419.
EXP (1 week): 11/23/12

W30423
11-16-12
mm

CN LCS/ICV (50 µg/L)

Into a 200 mL volumetric flask pipetted 1 mL CN LCS/ICV Working Standard 10,000 µg/L W 30422 and brought to volume with 0.25 M NaOH W 30419.
EXP (1 week): 11/23/12

W30424
11/16/12
mm

IC LCS/ICV Nitrite Standard (7 mg/L) *Diluted 1:1 daily with IC LCS/ICV Mixed Standard to equal a value of 3.5 mg/L Nitrite

Into a 500 mL volumetric flask pipetted 3.5 mL 1000 mg/L Nitrite W 30257 and brought to volume with Milli-Q DI H_20. EXP (1 month): 12/16/12

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W30368 ESC 11/8/12 — LJS TSS IDC: Into a 250mL vol. added 0.125g diatomaceous earth W24339 & brought to vol. w/ DI H_2O. exp: 12/8/12 tv = 500 mg/L

W30369 ESC 11/8/12 — LJS TSS BSW: Into a 100mL vol. added 0.125g diatomaceous earth W24339 & brought to vol. w/ DI H_2O. exp: 12/8/12 tv = 1250 mg/L

W30370 11/9/12 mcl

IC LCS/ICV Mixed Standard (7 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 50 mg/L Sulfate, and 30 mg/L Chloride) *Diluted 1:1 daily with IC LCS/ICV Nitrite Standard to equal a value of 3.5 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 25 mg/L Sulfate, and 15 mg/L Chloride

Into a 500 mL volumetric flask pipetted 20 mL of Custom Mix Stock Standard (175 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 1250 mg/L Sulfate, and 750 mg/L Chloride) W 29809 and brought to volume with Milli-Q DI H_2O.
EXP (1 Month): 12/9/12

W30371 ESC ~~11/8/12~~ 11/9/12 ESC 11-12-12 — Phenolics Buffer: Into a 500mL vol. dissolved 1g $K_3Fe(CN)_6$ W22607, 1.55g Boric Acid W25121, 1.875g pot. chloride W30205 & volumetrically added 23.5mL 1M NaOH W30124 & brought to vol. w/ DI H_2O exp: 11/18/12

W30372 ESC 11/9/12 — 4AAP: Into a 500mL vol. dissolved 0.32g 4AAP W21897 & brought to vol. w/ DI H_2O. exp: 11/10/12

W30373 ESC 11/9/12 — Ascorbic Acid TP 8500: Into a 1L vol. dissolved 70g ascorbic acid W29826 & 1g SDS W30340 & brought to vol. w/ DI H_2O. exp: 11/10/12

4 LJS 11/12/12

W30374 LJS 11/12/12 — SULFIDE LCS - Into 200mL vol pipetted 1mL W30275 and filled w/ DI H_2O Exp 11/13/12

W30375 ESC 11/12/12 — NH_3 1L Buffer: Into a 1L vol. dissolved 30g NaOH W29842, 25g EDTA W28198, & 67g sodium phosphate dibasic heptahydrate W28158 & brought to vol. w/ DI H_2O exp: 12-12-12

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W30352 GS 11/7/12 — TKN/TPhos Ical working (250 mg/L) - Into a 250mL vol pipetted 25mL TKN Ical stock W29537 exp 12/7/12 + 20mL phos Ical stock W28940 + filled to vol w/ dH2O. 11/7/12 GS

W30353 GS 11/7/12 — TKN/TPhos Ical - pipetted W30352 + filled to vol w/ cupric dilut W30297 exp 12/7/12

	mLs	into	IV	corrected val
A	8	100	20	21.0
B	~~32~~ 3.2	~~500~~ 50	16	16.8
C	10	250	10	10.5
D	0.8	50	4	4.2
E	0.4	50	2	2.1
F	0.2	50	1	1.05
G	0.04	50	0.2	0.21
H	0	50	0	0

GS 11/7/12

W30354 GS 11/7/12 — TKN/TPhos ICV - Into a ~~1000~~ 250mL vol pipetted 0.476mL Stock W 0.476mL TKN/TPhos ICV/ICCV w/ dilut W30297. exp 12/7/12 + filled to vol. GS 11/7/12 11/7/12

W30355 GS 11/7/12 — Phosphorous Std - Accu Trace Cat # 250.220.611 lot # S120329021 exp 11/7/13

W30356 ESC 11/7/12 — LL TP 8500 MDL Study: Into 8 separate 100mL vol. pipetted 0.35mL LL TP 8500 ICV/LCS working W30310 & brought to vol w/ Diluent W30308 tv=35mg/L exps: 11/14/12 ESC 11-7-12

W30357 ESC 11/7/12 — TP 8500 Molybdate: Into a 500mL vol. ~~pipetted~~ volumetrically added 106.5mL Moly stock W30108 & 36mL antimony stock W30299 & dissolved 11.1g NaOH W29842 & brought to vol. w/ DI H2O. exp: 12/7/12

W30358 ESC 11/7/12 — Molybdate Stock: Into a 1L vol. dissolved 40g Molybdate W28833 & brought to vol. w/ DI H2O & Stirred for 4 hours. exp: 1/7/13

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W30257 CB Nitrite Std - Spex CertiPrep cat # AS-NO2N9-2Y
10/30/12 lot # 3'-4NO2N-2

W30258 mwl CN Std. 1000 mg/L Ricca cat # 2543-4 lot # 4209480 exp 3/13
10/30/12

W30259 CN LCS/ICV Working Standard (10mg/L)
mwl Into a 100 mL volumetric flask pipetted 1 mL CN LCS/ICV Stock Standard 1000
10/30/12 mg/L W 30258 and brought to volume with 0.25 M NaOH W 30261.
EXP (1 week): 11/6/12

W30260 CN LCS/ICV (50 µg/L)
mwl Into a 200 mL volumetric flask pipetted 1 mL CN LCS/ICV Working Standard 10,000
10/30/12 µg/L W 30259 and brought to volume with 0.25 M NaOH W 30261.
EXP (1 week): 11/6/12

W30261 0.25 M Sodium Hydroxide
mwl Into a 2 L volumetric flask dissolved 60 g sodium hydroxide W 29842 and
10/30/12 brought to volume with DI H20, then brought to final volume of 6 L in a large carboy with DI H20. EXP (1 Month): 11/30/12

W30262 CN ICAL/CCV Working Standard (10mg/L)
mwl Into a 100 mL volumetric flask pipetted 1 mL CN ICAL/CCV Stock Standard 1000
10/30/12 mg/L W 28755 and brought to volume with 0.25 M NaOH W 30261.
EXP (1 week): 11/6/12

CN ICAL 10-30-12 mwl
W30263 All levels pipetted into volumetric flasks and brought to volume with 0.25 M NaOH
mwl W ~~30262~~ 30261 EXP (1 Week): 11/6/12
10/30/12

Level	mLs ICAL/CCV Working Standard 10,000 µg/L W30262	Final Volume (mL)	True Value (µg/L)
1	2	200	100
2	0.75	100	75
3	0.5	100	50
Level	mLs 100 µg/L standard (level 1)	Final Volume (mL)	True Value (µg/L)
4	15	50	30
5	20	100	20
6	5	50	10

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29950 mM 9/21/12 KHP Buffer into a beaker dissolved 2.5g KHP W29079 in 450mL Conf free DI H_2O volumetrically added 92.5mL of 1M HCl W29078 & adj pH to 8.1 ± 0.05 exp 9-28-12

29951 EJC 9/22/12 TP NaOH: Into a 500mL vol dissolved 52.5g NaOH W29842 & brought to vol w/ DI H_2O. Degassed & added ~ 4mL FFD6 W29018 exp: 9/29/12

29952 EJC 9/22/12 TP Sulfuric: Into a 500mL vol volumetrically added 67.5mL TMG H_2SO_4 W28718 & brought to vol w/ DI H_2O. Degassed & added ~0.25mL FFD6 W29018 exp: 9/29/12

29953 mM 9/22/12 IC eluent concentrate into a 1L vol. Slowly added 185.5g Sodium Carbonate W28395 & 42g Sodium Bicarbonate W25134 & brought to Vol. w/ DI H_2O exp 9/22/13

29954 EJC 9/22/12 TP ICAL (100 mg/L) Into a 200mL vol. pipetted 20mL IQC ICAL/CCV 1000 mg/L stock W28943 & brought to vol. w/ H_2SO_4 Dilvent ~~W28943~~ W29948. exp: 9/29/12 EJC 9/22/12

29955 EJC 9/22/12 TP SAN Ascorbic: Into a 1L vol. dissolved 11g ascorbic acid W29626 & brought to vol. w/ DI H_2O. exp. 9/23/12

29956 EJC 9/22/12 TP UV Dig V stock (100 mg/L) Into a 1L vol. dissolved 0.3959g sodium triphosphate W26401 & brought to vol. w/ DI H_2O. exp: 10/22/12

29957 EJC 9/22/12 TPhos (Cupric) Molybdate - Into a 500mL vol ~~dissolved~~ QS 9/22/12 volumetrically added 100.5mL moly stock W29931, 30mL antimony stock W29932, & 17.5mL sulfuric acid W28718 & filled to vol w/ DI H_2O. exp 10/22/12

29958 EJC 9/22/12 TPhos (Cupric) Ascorbic - Into a 250mL vol dissolved 15g ascorbic W29826 & 0.5g SDS W25574 & filled to Vol w/ DI H_2O. exp 9/23/12

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EJC 1-4-13
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W29813 BMS 09/10/12 — TOCW Ical: Into 7 50mL vol.) pipetted 0, 0.05, 0.25, 0.5, 1.25, 2.5, and 5.0 mL of 1000 mg/L Ical/CCV Stock (W29589) and brought to volume with Milli Q H_2O. Exp. 10/10/12

W29814 ESC 9/10/12 — TKN Buffer: Into a 2 L vol. dissolved 100g potassium sodium tartrate W28695 + W29817, 67.2g disodium hydrogen phosphate dihydrate W28421, +40g NaOH W28869 +brought to vol. w/DI H_2O. Degassed + added ≈4mL Brij W28801, exp: 10/10/12

W29815 ESD 9/10/12 — IC CCV Mixed Standard (7 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 50 mg/L Sulfate, and 30 mg/L Chloride) *Diluted 1:1 daily with IC CCV Nitrite Standard to equal a value of 3.5 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 25 mg/L Sulfate, and 15 mg/L Chloride
Into a 500 mL volumetric flask pipetted 3.5 mL 1000 mg/L Fluoride W 29818, Phosphate W 28943, Bromide W 28647, and Nitrate W 27863, 15 ml 1000 mg/L Chloride W 28933, and 25 ml 1000 mg/L Sulfate W 29030 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 10/10/12

W29816 CES 9/10/12 — IC Nitrite and Fluoride Spike Standard (128 mg/L Nitrite and 32 mg/L Fluoride)
Into a 100 mL volumetric flask pipetted 12.8 mL 1000 mg/L Nitrite W 27608 and 3.2 mL 1000 mg/L Fluoride W 29816 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 10/10/12

W29817 ESC 9/10/12 — Sodium Potassium Tartrate Tetrahydrate: Fisher Cat# S387-500 Lot# 120354 exp: 9/10/17

W29818 CES 9/10/12 — Fluoride Std- Aquapec Cat# 250-220-401 lot# 3120206004 exp 9/10/13

W29819 ESC 9/10/12 — NaCl Reagent: Into a 2L vol. dissolved 80g NaCl W29369 +brought to vol. w/DI H_2O. Degassed & added ≈1mL Brij W28801 exp: ~~9/10/12~~ 10/10/12 ESC 9/10/12

W29820 ESC 9/10/12 — Hypochlorite: Into a 1L vol. volumetrically added 570mL Bleach W29678 +brought to vol. w/DI H_2O. exp: 9/11/12

W29821 ESC 9/10/12 — TKN ICV (10mg/L) Into a 50mL vol. pipetted 0.476mL NH_3 ICV/CCS 1000mg/L stock W29098 +brought to vol. w/Cupric Nit W29811. exp: 9/17/12

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W29797 ESC 9/6/12 — 5.6 N H_2SO_4: Into a 500mL vol. pipetted 155mL TMG H_2SO_4 W28781 + brought to vol. w/DI H_2O. exp: 9/6/13

W29798 ESC 9/6/12 — Ammonium persulfate: Into a 200mL vol. dissolved 80g ammonium persulfate W29423 + brought to vol. w/DI H_2O. exp: 9/13/12

W29799 ESC 9/6/12 — LL TP LCS working (10mg/L) Into a 100mL vol. pipetted 1mL PO_4 ICV/LCS 1000mg/L stock W28063 + brought to vol. w/DI H_2O. exp: 9/13/12

W29800 ESC 9/6/12 — LL TP LCS (50ng/L) Into a 200mL vol. pipetted 1mL LL TP LCS working 10mg/L W29799 + brought to vol. w/DI H_2O. exp: 9/13/12

W29801 ESC 9/6/12 — LL TP LOQ WV (20ng/L) Into a 100mL vol. pipetted 0.2mL LL TP LCS working 10mg/L W29799 + brought to vol. w/DI H_2O. exp: 9/13/12

W29802 ESC 9/6/12 — LL TP LOQ WV (10ng/L) Into a 50mL vol. pipetted 0.25mL LL TP LOQ WV 20ng/L W29801 + brought to vol. w/DI H_2O exp: 9/13/12 ESC 9/6/12

W29803 ESC 9/7/12

IC LCS/ICV Mixed Standard (7 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 50 mg/L Sulfate, and 30 mg/L Chloride) *Diluted 1:1 daily with IC LCS/ICV Nitrite Standard to equal a value of 3.5 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 25 mg/L Sulfate, and 15 mg/L Chloride

Into a 500 mL volumetric flask pipetted 20 mL of Custom Mix Stock Standard (175 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 1250 mg/L Sulfate, and 750 mg/L Chloride) W27917 and brought to volume with Milli-Q DI H_2O.
EXP (1 Month): 10/7/12

W29804 ICS 9/7/12 — IC LCS/ICV mixed Custom Mix- Spex Certi Prep. cat # VCIWI-3-500 lot # 2-79 JKS 1250mg/L SO_4, 750mg/L Cl 175 mg/L Br, F, NO_3, PO_4 exp 9/7/13

9/7/12 MS

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W28929 RD 5/15/12 Nitrocellulose Spiking Std. - Into a 100 mL Volumetric Flask added 0.5006 g of VOC043537 & brought to Volume with Acetone (J.T Baker, Cat.# 9254-03, Lot# J14E52). Exp: 5/15/13 (5006 mg/L).

W28930 mL 5/15/12 Soy Std. 1000mg/L AccuSpec cat# 250-220-701 lot# S1120290009 exp 5/15/13

W28931 mL 5/15/12 IC ICAL Mixed Standard (50 mg/L):
Into a 100 mL volumetric flask pipetted 5 mL of 1000 mg/L Nitrite W 27602, Fluoride W 27048, Bromide W 28647, Nitrate W 27863, and Phosphate W 27453 and brought to volume with Milli-Q DI H_2O.
EXP (48 Hours): 5/17/12

W28932 mL 5/15/12 IC ICAL
Prepared in 100 mL volumetric flasks and brought to volume with Milli-Q DI H_2O.

	1	2	3	4	5	6	7	8
mLs Mixed Std 50mg/L W28931 W28933	0	0.2	1.0	2.0	4.0	10.0	14.0	28.0
mLs Chloride 1000mg/L ~~W26507~~ W28933	0	0.05	0.1	0.5	1.0	2.0	3.0	4.0
mLs Sulfate 1000mg/L W 28930	0	0.05	0.1	0.5	1.0	3.0	5.0	7.0

EXP (48 Hours): 5/17/12 5/15/12 mL

W28933 mL 5/15/12 CL Std. 1000 mg/L AccuSpec cat# 250-220-371 lot# S1202020001 exp 5/15/13

W28934 dem 5/15/12 TKN Cupric Dig. Soln: Into 2 seperate 2L vol. flasks dissolve 268g potassium Sulfate W28819, W28935 & 14.6g Copper Sulfate W26399 & vol. add 268mL H_2SO_4 W28872 & fill to vol. w/ DI H_2O. Combine in vessel to 4L X: 6/15/12

W28935 dem 5/15/12 Potassium Sulfate EMD cat# PX1595-6 lot: A0286921 120

W28936 EJC 5/15/12 Phenolics ~~CCK~~ ICAL 5/15/12 working: Into a 200mL vol. pipetted 2mL W26909 & brought to vol. w/ DI H_2O exp: 5/22/12 tv=10mg/L

W28937 EJC 5/15/12 Phenolics ICAL: Into a 100mL vol. pipetted 10mL W28936 & brought to vol. w/ DI H_2O. exp: 5/22/12 tv=1000mg/L

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W28646 mkm 4/10/12 IC Mixed Spike Standard (64 mg/L Bromide, Nitrate, and Phosphate, 256 mg/L Chloride and Sulfate)
Into a 100 mL volumetric flask pipetted 6.4 mL 1000mg/L Bromide W 28647, Nitrate W 27863, and Phosphate W 27453 and 25.6 mL 1000 mg/L Chloride W 26507 and Sulfate W 26573 and brought to volume with Milli-Q DI H_2O. EXP (1 Month): 5/10/12

W28647 mkm 4/10/12 Bromide std. 1000mg/L AccuSpec cat# 250-220-236 exp 4/2013

W28648 ESC 4/10/12 TKN Diluent: In a large carboy volumetrically added 8L TKN Dig Soln W28634 & brought to a final vol. of 7.5L w/DI H_2O. exp: 5/10/12

W28649 ESC 4/10/12 TKN ICAL (60mg/L): Into a 200mL vol. pipetted 12mL NH_3 ICAL/CCV 1000mg/L stock W28406 & brought to vol. w/ TKN Dilwt W28648 exp: 4/17/12

W28650 ESC 4/10/12 TKN ICV (10mg/L): Into a 50mL vol. pipetted 0.476mL NH_3 LCS/FCV 1000mg/L W28393 & brought to vol. w/TKN Dilwt W28648 exp: 4/17/12

W28651 ESC 4/10/12 NaCl: Into a 2L vol. dissolved 80g NaCl W25607 & brought to vol. w/DI H_2O. exp: 5/10/12

W28652 ESC 4/10/12 TKN Hypochlorite: Into a 1L vol. volumetrically added 570mL Bleach W28428 & brought to vol. w/DI H_2O exp: 4/11/12

W28653 Lan 4/10/12 0.25 M Sodium Hydroxide
Into a 2 L volumetric flask dissolved 60 g sodium hydroxide W 28199 and brought to volume with DI H20, then brought to final volume of 6 L in a large carboy with DI H20. EXP (1 Month): 5/10/12

W28654 W28653 Lan 4/10/12 CN Dist W high std: Into a 100mL vol. flask, pipet 0.75mL W28610 & bring to vol. w/ 0.25M NaOH W28653

W28655 Lan 4/10/12 CN Dist W low std: Into a 100mL vol. flask, pipet 20mL level 1 W28613 & bring to vol. w/ 0.25M NaOH W28653

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W28302 QES
3/1/12

0.25 M Sodium Hydroxide

Into a 2 L volumetric flask dissolved 60 g sodium hydroxide W 23199 and brought to volume with DI H20, then brought to final volume of 6 L in a large carboy with DI H20. EXP (1 Month): 4/1/12

W28303 JAM
3/1/12

IC LCS/ICV Mixed Standard (7 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 50 mg/L Sulfate, and 30 mg/L Chloride) *Diluted 1:1 daily with IC LCS/ICV Nitrite Standard to equal a value of 3.5 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 25 mg/L Sulfate, and 15 mg/L Chloride

Into a 500 mL volumetric flask pipetted 20 mL of Custom Mix Stock Standard (175 mg/L Fluoride, Bromide, Nitrate, and Phosphate, 1250 mg/L Sulfate, and 750 mg/L Chloride) W 27817 and brought to volume with Milli-Q DI H_20.
EXP (1 Month): 4/1/12

W28304 QES
3/1/12

Ascorbic Reagent - Into a 250mL vol dissolved 15g Ascorbic W27710 & 0.25g SDS W25582 & filled to vol w/ dI H_2O
exp 3/2/12

W28305 mml
3/8/12

Sodium Carbonate Anhydrous cat# BDH0284-500g
lot# 105576

W28306 ESC
3/6/12

Phenolics Buffer: Into a 500mL vol. dissolved 1g $K_3Fe(CN)_6$ W22607, 1.55g Boric Acid W25121, 1.875g KCl W28153, + volumetrically added 23.5ml 1N NaOH W27844 + brought to vol. w/ DI H_2O exp: 3-9-12

W28307 ESC
3/2/12

4AAP: Into a 250ml vol. dissolved 0.1g 4AAP W28997 & filled to vol. w/ DI H_2O exp: 3/3/12

W28308 Bms
03/02/12

TOCW Ical/CCV Stock (1000 mg/L): Into a 100mL vol., dissolved 0.2128g KHP W19521 and brought to volume with Milli Q H_2O. Exp. 09/02/12

W28309 Bms
03/02/12

TOCW ICV/LCS stock (1000 mg/L): Into a 100mL vol., dissolved 0.2128g KHP W23082 and brought to volume with Milli Q H_2O. Exp: 09/02/12

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W27862 ESC 1-4-12 — IC LL NO_3 CCV: Into a 200mL vol. pipetted 0.2mL NO_3 1000mg/L ICAL/CCV stock W27863 & brought to vol. w/ Milli Q DI H_2O. exp: 2-4-12

W27863 ESC 1-4-12 — NO_3 1000mg/L as N ICAL/CCV stock: ACCU SPEC Cat#250-220-521 Lot# 511060901O exp: 1-4-13

W27864 ESC 1-4-12 — LL NO_2 Spike: Into a 100mL vol. pipetted 5mL NO_2 1000mg/L ICV/LCS stock W27831 & brought to vol. w/ Milli Q DI H_2O. tv= 50mg/L exp: 2-4-12

0.02 ESC 1-4-12

W27865 ESC 1-4-12 — IC LL NO_2 + PO_4 LCS: Into a 100mL vol. pipetted ~~0.04~~ mL PO_4 1000mg/L ICV/LCS stock W25886 & 0.1mL NO_2 ICV/LCS 1000mg/L stock W27831 & brought to vol w/ Milli Q DI H_2O. tv= 1mg/L NO_2 & 0.2mg/L PO_4 exp: 2-4-12

W27866 dm 1/5/12 — Cr^{+6} S/CAL: Into 5 50mL vol. pipet 0, 1, 2.5, 5, 10mL W26141 & fill to vol w/ diluent W27869 x: 1/12/12

5mL ESC 1-5-12 11/5/12

W27867 dm 1/5/12 — Cr^{+6} S ICV/LCS: Into a 50mL vol. pipet ~~10~~ 5mL W26145 & filled to vol. w/ diluent W27869 x: 1/12/12

W27868 dm 1/5/12 — Cr^{+6} S DPC: Into a 100mL vol. dissolve 0.5g DPC W25133 & filled to vol w/ acetone baker cat: 9254-03 lot: J14E52 x: 1/6/12

W27869 dm 1/5/12 — Cr^{+6} S Dig Soln: Into a 2L vol. dissolve 40g NaOH W27608 & 60g sodium carbonate anhydrous W26912 & brought to vol w/ DI H_2O x: 1/5/13

W27870 dm 1/5/12 — Cr^{+6} S LOQ check: Into a 50mL vol pipet 2.5mL W26141 & bring to vol. w/ Dig Soln. W27869 tv=250µg/L

W27871 dm 1/5/12 — Cr^{+6} S LOD check: Into a 50mL vol. pipet 1.25mL W26141 & bring to vol w/ Dig Soln. W27869 tv=125µg/L

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W25124 KMB 11-22-10 — NH_3 Soil LCS- Prepped 11-17-10 Pipetted 0.25mL W24913 into 50mL KCl Ext. Soln-W25047. Exp. 11-24-10

W25125 JTB 11-23-10 — Cr^{+6} Dig soln: into a 2L vol. dissolved 60g sodium Carbonate anhydrous W20910 + 40g NaOH W24679 + BTV w/ DI H_2O. exp: 11-23-11

W25126 JTB 11-23-10 — Cr^{+6} Ical: into 5 50mL VF pipetted 0, 1, 2.5, 5, and 10mL W23661 + BTV w/ dig soln W25125 exp: 11-24-10

W25127 JTB 11-23-10 — Cr^{+6} ICV/LCS: into a 50mL VF pipetted 5mL W23663 + BTV w/ Dig soln W25125 exp: 11-24-10

W25128 JTB 11-23-10 — Cr^{+6} soil DPC: into a 20mL vol. dissolved 1g ~~W25127~~ JTB 11-23-10 W25133 in acetone JT Baker lot# H30E21 cat # 9254-03 + BTV w/ acetone. exp: 11-24-10

*W25129 CES 11/23/10 — IC Mixed LCS/ICV- Into a 500mL vol pipetted 20mL W23432 + filled to vol w/ milliQ H_2O exp 12/23/10

*W25130 CES 11/23/10 — IC NO_2 LCS- Into a 500mL vol pipetted 3.5mL W23500 + filled to vol w/ milliQ H_2O. exp 12/23/10

W25131 ESC 11/23/10 ESC 11/23/10 — Ascorbic Acid Reagent: Into a 500mL vol. dissolved 30g Ascorbic acid W24793 + 0.5g SDS W23748 + brought to vol. w/ DI H_2O exp: 11/24/10

*W25132 ESC 11/23/10 — TKN/TPhos ICV: Into a 100mL vol. pipetted 0.952mL W25114 + W23501 + brought to vol. w/ Dilvet W25039 exp: 12/22/10 w= 10mg/L

W25133 JTB 11-23-10 — 1,5-Diphenylcarbazide Lot # 096686 Fisher. cat # D85-25 exp: 11-23-15

W25134 CES 11/23/10 — Sodium Bicarbonate. Fisher cat# S233-500 lot # 104706 exp 11/23/15

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WSOLIDS Analytical Run
96718 on 08/15/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
99211	337814	083SB-0003M-0001-SO	08/12/2013 1141		ECC	RVAAP	SOLIDS,PERCENT		S	**4**	
99211	337816	083SB-0004M-0001-SO	08/12/2013 1215	Designated MS/MSD	ECC	RVAAP	SOLIDS,PERCENT		S	**4**	
99211	337819	083SB-0005M-0001-SO	08/12/2013 1245		ECC	RVAAP	SOLIDS,PERCENT		S	**4**	
99211	337821	083SB-0006M-0001-SO	08/12/2013 1315		ECC	RVAAP	SOLIDS,PERCENT		S	**4**	
99211	337823	083SB-0008M-0001-SO	08/12/2013 1415		ECC	RVAAP	SOLIDS,PERCENT		S	**4**	
99211	337825	083SB-0009M-0001-SO	08/12/2013 1440		ECC	RVAAP	SOLIDS,PERCENT		S	**4**	
99211	337827	083SB-0011M-0001-SO	08/12/2013 1455		ECC	RVAAP	SOLIDS,PERCENT		S	**4**	
99211	337829	083SB-0012M-0001-SO	08/12/2013 1510		ECC	RVAAP	SOLIDS,PERCENT		S	**4**	
99211	337831	083SB-0013M-0001-SO	08/12/2013 1415		ECC	RVAAP	SOLIDS,PERCENT		S	**4**	
99211	337833	083SB-0014-0001-SO	08/12/2013 1215		ECC	RVAAP	SOLIDS,PERCENT		S	**4**	
	338722	083SB-0004M-0001-SO		DUP 337816				0			

11 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

	Method: Total Solids SM2540B&G / Percent Solids SW846-5030A				
LIMS Run #(s)	**Analysis Date**	**Interpreter**	**Independent Reviewer**	**Date of Review**	**Approved? (Yes or No)**
96539, 96576, 96577, 96717, 96718	8/14/2013	TPV/BMS	RLD	8/15/2013	Yes

Instructions: Complete one checklist per *analytical run* . Enter the appropriate response for each question.
Each "No" response requires an explanation in the Comments section, and may require the initiation of a Nonconformance Report.

Requirement:	**Acceptance Criteria**	**Analyst Review**		**Independent Review**		**Comments:**
		Yes	No	Yes	No	(indicate reference to an attachment if necessary)
1. Were samples analyzed within hold time?	14 days or program/project specific	Yes		Yes		Qualify data prepared after hold time
2. Were samples dried overnight?	> 8hours	Yes		Yes		If No: place samples back into oven for mimium of 8 hours of total dry time.
3. Were drying start and stop times recorded?	---	Yes		Yes		If No: record times and temperatures
4. Were duplicates analyzed at the appropriate frequency?	1 per 20 of similar matrix or at program/project specific frequency	Yes		Yes		If No: reprep samples with appropreate frequency for a duplicate.
5. Were the duplicates within acceptable limits?	Within in-house or program/project specific QC limits	Yes		Yes		IF No: reprep and reanalyze samples or qualify parent sample result (Y).
6. Are all samples on the job lists accounted for?	---	Yes		Yes		If No: analyze samples that were were missed.

WSOLIDS Analytical Run
96720 on 08/21/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
99211	337811	083SB-0001M-0001-SO	08/12/2013 1512		ECC	RVAAP	SOLIDS,PERCENT		S	4	
99211	337812	083SB-0002M-0001-SO	08/12/2013 1516		ECC	RVAAP	SOLIDS,PERCENT		S	4	
99211	337813	083SB-0003M-0001-SO	08/12/2013 1141		ECC	RVAAP	SOLIDS,PERCENT		S	4	
99211	337815	083SB-0004M-0001-SO	08/12/2013 1215	Designated MS/MSD	ECC	RVAAP	SOLIDS,PERCENT		S	4	
99211	337818	083SB-0005M-0001-SO	08/12/2013 1245		ECC	RVAAP	SOLIDS,PERCENT		S	4	
99211	337820	083SB-0006M-0001-SO	08/12/2013 1245		ECC	RVAAP	SOLIDS,PERCENT		S	4	
99211	337822	083SB-0008M-0001-SO	08/12/2013 1315		ECC	RVAAP	SOLIDS,PERCENT		S	4	
99211	337824	083SB-0009M-0001-SO	08/12/2013 1415		ECC	RVAAP	SOLIDS,PERCENT		S	4	
99211	337826	083SB-0011M-0001-SO	08/12/2013 1440		ECC	RVAAP	SOLIDS,PERCENT		S	4	
99211	337828	083SB-0012M-0001-SO	08/12/2013 1455		ECC	RVAAP	SOLIDS,PERCENT		S	4	
99211	337830	083SB-0013M-0001-SO	08/12/2013 1510		ECC	RVAAP	SOLIDS,PERCENT		S	4	
99211	337832	083SB-0014-0001-SO	08/12/2013 1415		ECC	RVAAP	SOLIDS,PERCENT		S	4	
99211	337834	083SB-0015M-0001-SO	08/12/2013 1514		ECC	RVAAP	SOLIDS,PERCENT		S	4	
	340971	083SB-0004M-0001-SO	08/12/2013 1215	DUP 337815			SOLIDS,PERCENT	0			

14 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

	Method: Total Solids SM2540B&G / Percent Solids SW846-5030A				
LIMS Run #(s)	**Analysis Date**	**Interpreter**	**Independent Reviewer**	**Date of Review**	**Approved? (Yes or No)**
96720, 96910, 96911, 96912	8/20/2013	TPV/BMS	RLD	8/21/2013	Yes

Instructions: Complete one checklist per *analytical run* . Enter the appropriate response for each question.
Each "No" response requires an explanation in the Comments section, and may require the initiation of a Nonconformance Report.

Requirement:	**Acceptance Criteria**	**Analyst Review**		**Independent Review**		**Comments:**
		Yes	No	Yes	No	(indicate reference to an attachment if necessary)
1. Were samples analyzed within hold time?	14 days or program/project specific	Yes		Yes		Qualify data prepared after hold time
2. Were samples dried overnight?	> 8hours	Yes		Yes		If No: place samples back into oven for mimium of 8 hours of total dry time.
3. Were drying start and stop times recorded?	---	Yes		Yes		If No: record times and temperatures
4. Were duplicates analyzed at the appropriate frequency?	1 per 20 of similar matrix or at program/project specific frequency	Yes		Yes		If No: reprep samples with appropreate frequency for a duplicate.
5. Were the duplicates within acceptable limits?	Within in-house or program/project specific QC limits	Yes		Yes		IF No: reprep and reanalyze samples or qualify parent sample result (Y).
6. Are all samples on the job lists accounted for?	---	Yes		Yes		If No: analyze samples that were were missed.

WSOLIDS Analytical Run
96800 on 08/19/2013

Date Analyzed: _____ Date Reviewed: _____

Date Entered: _____ Date Validated: _____

COC	ORDER	SAMPLE DECRIPTION	SAMPLE DATE/ TIME	QC TYPE (Parent Sample)	CLIENT	PROJECT	TEST	PREP BATCH	MATRIX	DEL	RUSH
	338768		08/14/2013 0830				SOLIDS,PERCENT		S	**1**	Y
		N. YARD & RIVERBANK MW SO									
	338707		08/14/2013 1300				SOLIDS,PERCENT		S		
		RIPON SS									
99295	338807		08/14/2013 0900		ECC	RVAAP	SOLIDS,PERCENT		S	**4**	
		083SB-0001M-0001-SO									
99295	338808		08/14/2013 0905		ECC	RVAAP	SOLIDS,PERCENT		S	**4**	
		083SB-0002M-0001-SO									
99295	338810		08/14/2013 0910		ECC	RVAAP	SOLIDS,PERCENT		S	**4**	
		083SB-0015M-0001-SO									
	339813		08/14/2013 0910				SOLIDS,PERCENT				
		083SB-0015M-0001-SO		DUP 338810				0			

6 SAMPLE COUNT ON RUN, INCLUDING METHOD AND INSTRUMENT QC

Matrix: S-Soil Slg-Sludge GW-GroundWater M-Misc Waste SW-Surface Water A-Air WW-WasteWater DW-Drinking Water SD=Sediment Leachate=LE

	Method: Total Solids SM2540B&G / Percent Solids SW846-5030A				
LIMS Run #(s)	**Analysis Date**	**Interpreter**	**Independent Reviewer**	**Date of Review**	**Approved? (Yes or No)**
96799, 96800	8/16/2013	TPV/BMS	RLD	8/19/2013	Yes

Instructions: Complete one checklist per *analytical run* . Enter the appropriate response for each question.
Each "No" response requires an explanation in the Comments section, and may require the initiation of a Nonconformance Report.

Requirement:	**Acceptance Criteria**	**Analyst Review**		**Independent Review**		**Comments:**
		Yes	No	Yes	No	(indicate reference to an attachment if necessary)
1. Were samples analyzed within hold time?	14 days or program/project specific	Yes		Yes		Qualify data prepared after hold time
2. Were samples dried overnight?	> 8hours	Yes		Yes		If No: place samples back into oven for mimium of 8 hours of total dry time.
3. Were drying start and stop times recorded?	---	Yes		Yes		If No: record times and temperatures
4. Were duplicates analyzed at the appropriate frequency?	1 per 20 of similar matrix or at program/project specific frequency	Yes		Yes		If No: reprep samples with appropreate frequency for a duplicate.
5. Were the duplicates within acceptable limits?	Within in-house or program/project specific QC limits	Yes		Yes		IF No: reprep and reanalyze samples or qualify parent sample result (Y).
6. Are all samples on the job lists accounted for?	---	Yes		Yes		If No: analyze samples that were were missed.

CHAIN OF CUSTODY,
PM CONFIRMATION
AND
SAMPLE CONDITION FORMS
DOCUMENTS

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 99211
Client: ECC

Print Date / Time: 08/13/2013 10:50
Received Date / Time / By: 08/13/2013 0930 HHK

Project Name: RVAAP
Project Phase: LAB BLDG DV-1 CC83

Log-In Date / Time / By: 08/13/2013 1017 JLS
Project #: PM: ETK

Coolers: 4002,5355,5323
Custody Seals Present : **Y**

Temperature: 1.3,3.3,2.1 C On Ice: **Y**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: FEDEX EXPRESS
Adequate Packaging: **Y**

Numbers: DATED AND SIGNED
Tracking Number: 803277212636
Temp Blank Enclosed? **Y**

Notes: SAMPLES REC'D IN GOOD CONDITION ON ICE
1 CUSTODY INTACT ON EACH COOLER. ALL DATED 8/12/13 AND SIGNED
COC INDICATED A SEPARATE SAMPLE 083SB-0004M-0002-SO MARKED AS MS/MSD
ETK CONFIRMED WITH CLIENT THAT THIS IS NOT A SEPARATE SAMPLE IT IS AN MS/MSD OF 083SB-0004M-0001-SO

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337811 083SB-0001M-0001-SO				
	SOLIDS	1	/	%SOL,HG,ICP,K,NA
	Total # of Containers of Type	**(*SOLIDS*) = 1**		
337811 083SB-0001M-0001-SO				
	UNPRES GL	1	/	8270,EXPL,NC
	Total # of Containers of Type	**(*UNPRES GL*) = 1**		
337811 083SB-0001M-0001-SO				
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	Total # of Containers of Type	**(*FOR LABEL ONLY*) = 2**		

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337812 083SB-0002M-0001-SO				
	SOLIDS	1	/	%SOL,HG,ICP,K,NA
	Total # of Containers of Type	**(*SOLIDS*) = 1**		
337812 083SB-0002M-0001-SO				
	UNPRES GL	1	/	8270,EXPL,NC
	Total # of Containers of Type	**(*UNPRES GL*) = 1**		
337812 083SB-0002M-0001-SO				
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	Total # of Containers of Type	**(*FOR LABEL ONLY*) = 2**		

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

337813	083SB-0003M-0001-SO				
		SOLIDS	1	/	%SOL,HG,ICP,K,NA
		Total # of Containers of Type	**(*SOLIDS*) = 1**		
337813	083SB-0003M-0001-SO				
		UNPRES GL	1	/	8270,EXPL,NC
		Total # of Containers of Type	**(*UNPRES GL*) = 1**		
337813	083SB-0003M-0001-SO				
		FOR LABEL ONLY	1	/	SOIL PREP/MIX
		FOR LABEL ONLY	1	/	SOIL PREP/MIX
		Total # of Containers of Type	**(*FOR LABEL ONLY*) = 2**		

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337814 083SB-0003M-0001-SO				
	SOLIDS	1	/	%SOL
	Total # of Containers of Type	**(*SOLIDS*) = 1**		
337814 083SB-0003M-0001-SO				
	TERRA CORE KIT	1	/	VOC
	Total # of Containers of Type	**(*TERRA CORE KIT*) = 1**		
337814 083SB-0003M-0001-SO				
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	Total # of Containers of Type	**(*TERRA CORE LL*) = 3**		

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337815 083SB-0004M-0001-SO				
	SOLIDS	1	/	%SOL,HG,ICP,K,NA
	Total # of Containers of Type	**(*SOLIDS*) = 1**		
337815 083SB-0004M-0001-SO				
	UNPRES PL	1	/	8270,EXPL,NC
	UNPRES PL	1	/	8270,EXPL,NC
	Total # of Containers of Type	**(*UNPRES PL*) = 2**		
337815 083SB-0004M-0001-SO				
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	Total # of Containers of Type	**(*FOR LABEL ONLY*) = 2**		

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337816 083SB-0004M-0001-SO				
	SOLIDS	1	/	%SOL
	SOLIDS	1	/	%SOL
	Total # of Containers of Type	**(*SOLIDS*) = 2**		

337816 083SB-0004M-0001-SO

TERRA CORE KIT	1	/	VOC

Total # of Containers of Type (*TERRA CORE KIT*) = 1

337816 083SB-0004M-0001-SO

TERRA CORE LL	1	/	VOC
TERRA CORE LL	1	/	VOC
TERRA CORE LL	1	/	VOC
TERRA CORE LL	1	/	VOC
TERRA CORE LL	1	/	VOC
TERRA CORE LL	1	/	VOC
TERRA CORE LL	1	/	VOC

Total # of Containers of Type (*TERRA CORE LL*) = 7

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

337818 083SB-0005M-0001-SO

SOLIDS	1	/	%SOL,HG,ICP,K,NA

Total # of Containers of Type (*SOLIDS*) = 1

337818 083SB-0005M-0001-SO

UNPRES GL	1	/	8270,EXPL,NC

Total # of Containers of Type (*UNPRES GL*) = 1

337818 083SB-0005M-0001-SO

FOR LABEL ONLY	1	/	SOIL PREP/MIX
FOR LABEL ONLY	1	/	SOIL PREP/MIX

Total # of Containers of Type (*FOR LABEL ONLY*) = 2

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

337819 083SB-0005M-0001-SO

SOLIDS	1	/	%SOL

Total # of Containers of Type (*SOLIDS*) = 1

337819 083SB-0005M-0001-SO

TERRA CORE KIT	1	/	VOC
TERRA CORE KIT	1	/	VOC
TERRA CORE KIT	1	/	VOC

Total # of Containers of Type (*TERRA CORE KIT*) = 3

337819 083SB-0005M-0001-SO

TERRA CORE LL	1	/	VOC

Total # of Containers of Type (*TERRA CORE LL*) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

337820 083SB-0006M-0001-SO

SOLIDS	1	/	%SOL,HG,ICP,K,NA

Total # of Containers of Type (*SOLIDS*) = 1

337820 083SB-0006M-0001-SO

UNPRES GL	1	/	8270,EXPL,NC

Total # of Containers of Type (*UNPRES GL*) = 1

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337820 083SB-0006M-0001-SO				
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	Total # of Containers of Type	**(*FOR LABEL ONLY*) = 2**		
337821 083SB-0006M-0001-SO				
	SOLIDS	1	/	%SOL
	Total # of Containers of Type	**(*SOLIDS*) = 1**		
337821 083SB-0006M-0001-SO				
	TERRA CORE KIT	1	/	VOC
	TERRA CORE KIT	1	/	VOC
	TERRA CORE KIT	1	/	VOC
	Total # of Containers of Type	**(*TERRA CORE KIT*) = 3**		
337821 083SB-0006M-0001-SO				
	TERRA CORE LL	1	/	VOC
	Total # of Containers of Type	**(*TERRA CORE LL*) = 1**		

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337822 083SB-0008M-0001-SO				
	SOLIDS	1	/	%SOL,HG,ICP,K,NA
	Total # of Containers of Type	**(*SOLIDS*) = 1**		
337822 083SB-0008M-0001-SO				
	UNPRES GL	1	/	8270,EXPL,NC
	Total # of Containers of Type	**(*UNPRES GL*) = 1**		
337822 083SB-0008M-0001-SO				
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	Total # of Containers of Type	**(*FOR LABEL ONLY*) = 2**		

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337823 083SB-0008M-0001-SO				
	SOLIDS	1	/	%SOL
	Total # of Containers of Type	**(*SOLIDS*) = 1**		
337823 083SB-0008M-0001-SO				
	TERRA CORE KIT	1	/	VOC
	Total # of Containers of Type	**(*TERRA CORE KIT*) = 1**		
337823 083SB-0008M-0001-SO				
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	Total # of Containers of Type	**(*TERRA CORE LL*) = 3**		

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337824 083SB-0009M-0001-SO				
	SOLIDS	1	/	%SOL,HG,ICP,K,NA
	Total # of Containers of Type	**(*SOLIDS*) = 1**		
337824 083SB-0009M-0001-SO				
	UNPRES GL	1	/	8270,EXPL,NC
	Total # of Containers of Type	**(*UNPRES GL*) = 1**		
337824 083SB-0009M-0001-SO				
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	Total # of Containers of Type	**(*FOR LABEL ONLY*) = 2**		

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337825 083SB-0009M-0001-SO				
	SOLIDS	1	/	%SOL
	Total # of Containers of Type	**(*SOLIDS*) = 1**		
337825 083SB-0009M-0001-SO				
	TERRA CORE KIT	1	/	VOC
	Total # of Containers of Type	**(*TERRA CORE KIT*) = 1**		
337825 083SB-0009M-0001-SO				
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	Total # of Containers of Type	**(*TERRA CORE LL*) = 3**		

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337826 083SB-0011M-0001-SO				
	SOLIDS	1	/	%SOL,HG,ICP,K,NA
	Total # of Containers of Type	**(*SOLIDS*) = 1**		
337826 083SB-0011M-0001-SO				
	UNPRES GL	1	/	8270,EXPL,NC
	Total # of Containers of Type	**(*UNPRES GL*) = 1**		
337826 083SB-0011M-0001-SO				
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	Total # of Containers of Type	**(*FOR LABEL ONLY*) = 2**		

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337827 083SB-0011M-0001-SO				
	SOLIDS	1	/	%SOL
	Total # of Containers of Type	**(*SOLIDS*) = 1**		

99211

337827 083SB-0011M-0001-SO

TERRA CORE KIT	1	/	VOC

Total # of Containers of Type (*TERRA CORE KIT*) = 1

337827 083SB-0011M-0001-SO

TERRA CORE LL	1	/	VOC
TERRA CORE LL	1	/	VOC
TERRA CORE LL	1	/	VOC

Total # of Containers of Type (*TERRA CORE LL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

337828 083SB-0012M-0001-SO

SOLIDS	1	/	%SOL,HG,ICP,K,NA

Total # of Containers of Type (*SOLIDS*) = 1

337828 083SB-0012M-0001-SO

UNPRES GL	1	/	8270,EXPL,NC,PCB,PEST

Total # of Containers of Type (*UNPRES GL*) = 1

337828 083SB-0012M-0001-SO

FOR LABEL ONLY	1	/	SOIL PREP/MIX
FOR LABEL ONLY	1	/	SOIL PREP/MIX

Total # of Containers of Type (*FOR LABEL ONLY*) = 2

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

337829 083SB-0012M-0001-SO

SOLIDS	1	/	%SOL

Total # of Containers of Type (*SOLIDS*) = 1

337829 083SB-0012M-0001-SO

TERRA CORE KIT	1	/	VOC

Total # of Containers of Type (*TERRA CORE KIT*) = 1

337829 083SB-0012M-0001-SO

TERRA CORE LL	1	/	VOC
TERRA CORE LL	1	/	VOC
TERRA CORE LL	1	/	VOC

Total # of Containers of Type (*TERRA CORE LL*) = 3

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

337830 083SB-0013M-0001-SO

SOLIDS	1	/	%SOL,HG,ICP,K,NA

Total # of Containers of Type (*SOLIDS*) = 1

337830 083SB-0013M-0001-SO

UNPRES GL	1	/	8270,EXPL,NC

Total # of Containers of Type (*UNPRES GL*) = 1

337830 083SB-0013M-0001-SO

FOR LABEL ONLY	1	/	SOIL PREP/MIX
FOR LABEL ONLY	1	/	SOIL PREP/MIX

99211

Total # of Containers of Type (*FOR LABEL ONLY*) = 2

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337831 083SB-0013M-0001-SO				
	SOLIDS	1	/	%SOL
	Total # of Containers of Type (*SOLIDS*) = 1			
337831 083SB-0013M-0001-SO				
	TERRA CORE KIT	1	/	VOC
	Total # of Containers of Type (*TERRA CORE KIT*) = 1			
337831 083SB-0013M-0001-SO				
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	Total # of Containers of Type (*TERRA CORE LL*) = 3			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337832 083SB-0014M-0001-SO				
	SOLIDS	1	/	%SOL,HG,ICP,K,NA
	Total # of Containers of Type (*SOLIDS*) = 1			
337832 083SB-0014M-0001-SO				
	UNPRES GL	1	/	8270,EXPL,NC
	Total # of Containers of Type (*UNPRES GL*) = 1			
337832 083SB-0014M-0001-SO				
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	FOR LABEL ONLY	1	/	SOIL PREP/MIX
	Total # of Containers of Type (*FOR LABEL ONLY*) = 2			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337833 083SB-0014M-0001-SO				
	SOLIDS	1	/	%SOL
	Total # of Containers of Type (*SOLIDS*) = 1			
337833 083SB-0014M-0001-SO				
	TERRA CORE KIT	1	/	VOC
	Total # of Containers of Type (*TERRA CORE KIT*) = 1			
337833 083SB-0014M-0001-SO				
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	Total # of Containers of Type (*TERRA CORE LL*) = 3			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
337834 083SB-0015M-0001-SO				
	SOLIDS	1	/	%SOL,HG,ICP,K,NA

99211

Total # of Containers of Type (*SOLIDS*) = 1

337834 083SB-0015M-0001-SO

UNPRES GL	1	/	8270,EXPL,NC

Total # of Containers of Type (*UNPRES GL*) = 1

337834 083SB-0015M-0001-SO

FOR LABEL ONLY	1	/	SOIL PREP/MIX
FOR LABEL ONLY	1	/	SOIL PREP/MIX

Total # of Containers of Type (*FOR LABEL ONLY*) = 2

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

---

337835 083SB-0016-0001-TB

TRIP BLANK	1	/	VOC
TRIP BLANK	1	/	VOC
TRIP BLANK	1	/	VOC
TRIP BLANK	1	/	VOC

Total # of Containers of Type (*TRIP BLANK*) = 4

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests

---

337836 083SB-0018-0001-TB

TRIP BLANK	1	/	VOC
TRIP BLANK	1	/	VOC
TRIP BLANK	1	/	VOC

Total # of Containers of Type (*TRIP BLANK*) = 3

337836 083SB-0018-0001-TB

VOA HCL	1	/	VOC

Total # of Containers of Type (*VOA HCL*) = 1

Condition Code	*Condition Description*
1	Sample Received OK

99211

Korthals, Eric

From: Jeff Donovan <JDonovan@ecc.net>
Sent: Tuesday, August 13, 2013 01:04
To: Korthals, Eric
Cc: Jackson H Kiker
Subject: No MTBE for VOC samples coll on 8-12-13

Follow Up Flag: Follow up
Flag Status: Completed

Morning Eric, on the samples which were collected on 8-12-13 will be delivered to you today, please do not run MTBE on the VOC analysis. These are the samples listed on COC's "CT COC #0001 and #0002". MTBE was incorrectly added to the VOC analysis. Please send me a response so I'll know you received this (please copy Jackson).

Also, could you send me the bottle requirements for an equipment rinsate blank for the following analytes:

VOC, SVOC, TAL metals, Explosives, Propellants, Pesticides, and PCBs. I may have to have you ship additional bottles to my hotel depending on what you need and what I have in stock.

Thanks Eric

Jeff

Jeff Donovan
Senior Environmental Scientist
ECC
33 Boston Post Road West
Suite 420
Marlborough, MA 01752
Office: 508-229-2270 x22123
Mobile: 508-509-1784
Fax: 508-229-7737
Email: Jdonovan@ecc.net

Rev. 2/2013

CHAIN OF CUSTODY

Page 1 of 2

Company: ECC
Project Contact: Al Easterday
Telephone: 508-229-2270
Project Name: RVAAP
Project #:
Location: Lab Bldg DV-1 CC83
Sampled By: Jeff Donovan

Folder #: 99211
Company: ECC
Project: LAB BLDG DV-1 CC83
Logged By: JLS PM: ET

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

am:
RCRA SDWA NPDES
Waste Other _____

Report To:
EMAIL:
Company: CT COC #0001
Address:

Invoice To:*
EMAIL:
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

OB3SB-0004M-0002-SO = MS/MSD

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample # (1,2,3, etc)	Sample ID Description	Filtered? Y/N	VOC/MTBE	SVOC	TAL Metals	Explosives	Propellants	Hexavalent Chromium	PCBs	Pesticides								Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
					Fill in Spaces with Bottles per Test																			
8/12/13	1517	SOIL	X		OB3SB-0001M-0001-SO			X	X	X	X													337811
	1516				OB3SB-0002M-0001-SO			X	X	X	X													337812
	1141				OB3SB-0003M-0001-SO		X	X	X	X	X													337813/814
	1215				OB3SB-0004M-0001-SO		X	X	X	X	X													337815/816
	1215				OB3SB-0004M-0002-SO		X	X	X	X	X												X	337815/816
	1245				OB3SB-0005M-0001-SO		X	X	X	X	X													337818/819
	1255				OB3SB-0006M-0001-SO		X	X	X	X	X													337820/821
					~~OB3SB-0007M-0001-SO~~																			
	1315				OB3SB-0008M-0001-SO		X	X	X	X	X													337822/823
	1445				OB3SB-0009M-0001-SO		X	X	X	X	X													337824/825
	1440				OB3SB-0011M-0001-SO		X	X	X	X	X													337826/827
	1455				OB3SB-0012M-0001-SO		X	X	X	X	X	X	X	X										337828/829

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8-12-13 1800	FEDEX	
Received by:	Date/Time	Received for Laboratory by:	Date/Time
		[signature]	8/13/13 1017

Lab Use Only
Ice Present (Yes) No
Temperature 1.3 3.3, 2.4
Cooler # 4002, 5355, 5323

8/13/13 0930 HHK

Rev. 2/2013

CHAIN OF CUSTODY

Page 2 of 2

Company: ECC
Project Contact: Al Easterday
Telephone: 508-229-2270
Project Name: RVAAP
Project #:
Location: Lab Bldg DV-1 CC83
Sampled By: Jeff Donovan

CT LABORATORIES

1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Lab Use Only
Place Header Sticker Here:

9211

Program:
QSM RCRA SDWA NPDES
Solid Waste Other _____

PO #

Report To:
EMAIL: CT COC #0002
Company:
Address:

Invoice To:*
EMAIL:
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

0838B-0014-0001-SO AT 1415
IS A COMPOSITE - NOT 1GM

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample # (1,2,3, etc)	Sample ID Description	Filtered? Y/N	VOC/MTBE	SVOC	TAL Metals	Explosives	Propellants	Hexavalent Chromium										Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
8/12/13	1510	S	X		0838B-0013M-0001-SO		X	X	X	X	X													337830/831
	1415				0838B-0014-0001-SO		X	X	X	X	X													337832/833
	1514				0838B-0015M-0001-SO			X	X	X	X													337834
	0800	01			0838-0018-0001-TB		X																	TRIP BLK 337835
	0900	01			0838-0018-0001-TB		X																	TRIP BLK 337836

Fill in Spaces with Bottles per Test

Turnaround Time
Normal RUSH*
Date Needed: _____
Rush analysis requires prior CT Laboratories' approval
Surcharges:
24 hr 200%
2-3 days 100%
4-9 days 50%

Relinquished By:	Date/Time	Received By:	Date/Time
	8-12-13 1800	MODEL	
Received by:	Date/Time	Received for Laboratory by:	Date/Time
			8/13/13 1017

Lab Use Only
Ice Present (Yes) No
Temperature 1.3, 3.3, 2.1
Cooler # 4002, 5355, 5373

8/13/13 0530 HHC

ORIGIN ID:CAKA (508) 229-2270
ENVIRONMENTAL CHEM CORP GOV

MARLBOROUGH/GOVT ACCT
33 BOSTON POST RD W STE 420
MARLBOROUGH, MA 017521887
UNITED STATES US

SHIP DATE: 12AUG13
ACTWGT: 50.5 LB
CAD: /OFFC1400
DIMS: 26x15x14 IN

BILL SENDER

TO SAMPLE RECEIPT
CT LABORATORIES
1230 LANGE CT

BARABOO WI 53913
(608) 356-2760 REF:
INV:
PO: DEPT:

FedEx Express

1 of 3

TRK# 0200 8032 7721 2636

TUE - 13 AUG 10:30A
PRIORITY OVERNIGHT

MASTER

NA MSNA

53913
WI-US MSN

Official Sample Custody Seal

DATE: 8/12/13, ECC

SIGNATURE Kyana Williams

DO NOT BREAK OR OPEN

contact:

CT Laboratories LLC
1230 Lange Court - Baraboo, WI 53913
608-356-2760

HNK 8/13/13 0930
1.7°C on ice
4002

ORIGIN ID:CAKA (508) 228-2270
ENVIRONMENTAL CHEM CORP GOV

MARLBOROUGH/GOVT ACCT
33 BOSTON POST RD W STE 420
MARLBOROUGH, MA 01752
UNITED STATES US

SHIP DATE: 12AUG13
ACTWGT: 50.5 LB
CAD: /OFFC1400
DIMS: 26x14x14 IN

BILL SENDER

TO SAMPLE RECEIPT
CT LABORATORIES
1230 LANGE CT

BARABOO WI 53913
(608) 356-2760

INV:
PO: DEPT:

FedEx Express

3 of 3
MPS# 0681 7958 1076 3521
Metr# 8082 7721 2686 0200

TUE - 13 AUG 10:30A
PRIORITY OVERNIGHT

NA MSNA

53913
WI-US MSN

CUSTODY SEAL
DATE 8/12/13
SIGNATURE Pam Williams

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3900

HHK 8/13/13 @ 930
2.1° C on ice
5323

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8032 7721 2636

Form ID No. 0200

Recipient's Copy

1 From

Date 8-12-13

Sender's Name JEFF DONOVAN Phone 508-5091784

Company ECL

Address 33 BOSTON POST RD WEST #420

Dept/Floor/Suite/Room

City MARLBORO State MA ZIP 01752

2 Your Internal Billing Reference RAVENNA

3 To

Recipient's SAMPLE RECEIPT Phone 608 356-2760

Company CT LABORATORIES

Address 1230 LANGE COURT

We cannot deliver to P.O. boxes or P.O. ZIP codes

Dept/Floor/Suite/Room

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Address

Use this line for the HOLD location address or for continuation of your shipping address

City BARABOO State WI ZIP 53913

8032 7721 2636

4 Express Package Service * To most locations.

Packages up to 150 lbs.

NOTE: Service order has changed. Please select carefully.

For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day	2 or 3 Business Days
FedEx First Overnight Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.	FedEx 2Day A.M. Second business morning.* Saturday Delivery NOT available.
[X] FedEx Priority Overnight Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.	FedEx 2Day Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
FedEx Standard Overnight Next business afternoon.* Saturday Delivery NOT available.	FedEx Express Saver 3rd business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube [X] Other

6 Special Handling and Delivery Signature Options

SATURDAY Delivery NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver

No Signature Required Package may be left without obtaining a signature for delivery.

Direct Signature Someone at recipient's address may sign for delivery. Fee applies.

Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked

[X] No Yes As per attached Shipper's Declaration Yes Shipper's Declaration not required Dry Ice Dry Ice, 9, UN 1845 x kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box. Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip Acct. No

[X] Sender Acct. No. in Section 1 will be billed Recipient Third Party Credit Card Cash/Check

Total Packages 5 Total Weight 134 lbs Credit Card Auth.

†Our liability is limited to US$100 unless you declare a higher value. See the current FedEx Service Guide for details.

644

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fedex.com 1.800.GoFedEx 1.800.463.3339

fedex.com 1.800.GoFedEx 1.800.463.3339

Official Sample Custody Seal

DATE: 8/12/13 ECL

SIGNATURE Robin Williams

DO NOT BREAK OR OPEN

contact:

CT Laboratories LLC

1230 Lange Court - Baraboo, WI 53913

608-356-2760

HHK 8/13/13 0930

3.3 Conice

5355

Folder #: 99211

PM LOGIN CONFIRMATION

Contract #: 2622

Company: ECC **Project:** RVAAP **Proj #:**

Project Phase: LAB BLDG DV-1 CC83 **PO Number:** **Invoice #:** 99500

Project Manager: *ETK* **Date Received:** 08/13/13 **Log Date:** 08/13/2013 **Projected Sample Disposal Date:** 60 **days from receipt date**

Report To: AL EASTERDAY CC:
33 BOSTON POST RD
MARLBOROUGH, MA 01752
Phone: : Fax:
Rep. E-Mail aeasterday@ecc.net

Invoice To :ACCOUNTS PAYABLE CC:
1301 CONTINENTAL DR
SUITE 108
ABINGDON, MD 21009
Phone: Fax:
EMail:

Collected By: J DONOVAN
Collector's Phone:

Arrival Temperature: 3.3 oC

SAMPLE #: 337811 DESCR: 083SB-0001M-0001-SO MATRIX: SOIL SAMPLED: 08/12/2013 Time: 1512 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
780	SVOC 8270 QSM			*Y*		08/25/2013		NeedPrep
817	ICP QSM				02/08/2014	08/25/2013		NeedPrep
		Aluminum						
		Antimony						
		Arsenic						
		Barium						
		Beryllium						
		Cadmium						
		Calcium						
		Chromium						
		Cobalt						
		Copper						
		Iron						

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337811 **DESCR:** 083SB-0001M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1512 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
		Lead						
		Magnesium						
		Manganese						
		Nickel						
		Selenium						
		Silver						
		Thallium						
		Vanadium						
		Zinc						
827	ICP K QSM				02/08/2014	08/25/2013		NeedPrep
828	ICP NA QSM				02/08/2014	08/25/2013		NeedPrep
833	MERCURY QSM				09/09/2013	08/25/2013		NeedPrep
891	EXPLOSIVES NITROGUAN					08/25/2013		NeedPrep
906	8330B EXPLOSIVES QSM					08/25/2013		NeedPrep
946	HOMOGEN/M.I. PREP					08/25/2013		Logged
960	PAH SIM QSM			*Y*		08/25/2013		NeedPrep
1042	NITROCELLULOSE QSM					08/25/2013		NeedPrep

SAMPLE #: 337812 **DESCR:** 083SB-0002M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1516 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
780	SVOC 8270 QSM			*Y*		08/25/2013		NeedPrep
817	ICP QSM				02/08/2014	08/25/2013		NeedPrep
		Aluminum						
		Antimony						
		Arsenic						
		Barium						
		Beryllium						

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337812 **DESCR:** 083SB-0002M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1516 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
		Cadmium						
		Calcium						
		Chromium						
		Cobalt						
		Copper						
		Iron						
		Lead						
		Magnesium						
		Manganese						
		Nickel						
		Selenium						
		Silver						
		Thallium						
		Vanadium						
		Zinc						
827	ICP K QSM				02/08/2014	08/25/2013		NeedPrep
828	ICP NA QSM				02/08/2014	08/25/2013		NeedPrep
833	MERCURY QSM				09/09/2013	08/25/2013		NeedPrep
891	EXPLOSIVES NITROGUAN					08/25/2013		NeedPrep
906	8330B EXPLOSIVES QSM					08/25/2013		NeedPrep
946	HOMOGEN/M.I. PREP					08/25/2013		Logged
960	PAH SIM QSM			*Y*		08/25/2013		NeedPrep
1042	NITROCELLULOSE QSM					08/25/2013		NeedPrep

SAMPLE #: 337813 **DESCR:** 083SB-0003M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1141 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
780	SVOC 8270 QSM			*Y*		08/25/2013		NeedPrep

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337813 **DESCR:** 083SB-0003M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1141 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
817	ICP QSM				02/08/2014	08/25/2013		NeedPrep
		Aluminum						
		Antimony						
		Arsenic						
		Barium						
		Beryllium						
		Cadmium						
		Calcium						
		Chromium						
		Cobalt						
		Copper						
		Iron						
		Lead						
		Magnesium						
		Manganese						
		Nickel						
		Selenium						
		Silver						
		Thallium						
		Vanadium						
		Zinc						
827	ICP K QSM				02/08/2014	08/25/2013		NeedPrep
828	ICP NA QSM				02/08/2014	08/25/2013		NeedPrep
833	MERCURY QSM				09/09/2013	08/25/2013		NeedPrep
891	EXPLOSIVES NITROGUAN					08/25/2013		NeedPrep
906	8330B EXPLOSIVES QSM					08/25/2013		NeedPrep
946	HOMOGEN/M.I. PREP					08/25/2013		Logged
960	PAH SIM QSM			*Y*		08/25/2013		NeedPrep
1042	NITROCELLULOSE QSM					08/25/2013		NeedPrep

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337814 **DESCR:** 083SB-0003M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1141 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
863	VOC 8260 QSM LL			*Y*	08/26/2013	08/25/2013		NeedPrep
1100	VOC 8260 LL TXYL QSM				08/26/2013	08/25/2013		NeedPrep
1145	VOC 8260 LL TDCE QSM				08/26/2013	08/25/2013		NeedPrep

SAMPLE #: 337815 **DESCR:** 083SB-0004M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1215 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT			***DESIGNATED MATRIX SPIKE***	08/26/2013	08/25/2013		Logged
780	SVOC 8270 QSM			*Y* ***DESIGNATED MATRIX SPIKE***		08/25/2013		NeedPrep
817	ICP QSM			***DESIGNATED MATRIX SPIKE***	02/08/2014	08/25/2013		NeedPrep
		Aluminum						
		Antimony						
		Arsenic						
		Barium						
		Beryllium						
		Cadmium						
		Calcium						
		Chromium						
		Cobalt						
		Copper						
		Iron						
		Lead						
		Magnesium						
		Manganese						
		Nickel						
		Selenium						
		Silver						
		Thallium						

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337815 **DESCR:** 083SB-0004M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1215 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP		SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
		Vanadium							
		Zinc							
827	ICP K QSM				***DESIGNATED MATRIX SPIKE***	02/08/2014	08/25/2013		NeedPrep
828	ICP NA QSM				***DESIGNATED MATRIX SPIKE***	02/08/2014	08/25/2013		NeedPrep
833	MERCURY QSM				***DESIGNATED MATRIX SPIKE***	09/09/2013	08/25/2013		NeedPrep
891	EXPLOSIVES NITROGUAN				***DESIGNATED MATRIX SPIKE***		08/25/2013		NeedPrep
906	8330B EXPLOSIVES QSM				***DESIGNATED MATRIX SPIKE***		08/25/2013		NeedPrep
946	HOMOGEN/M.I. PREP				***DESIGNATED MATRIX SPIKE***		08/25/2013		Logged
960	PAH SIM QSM			***Y***	***DESIGNATED MATRIX SPIKE***		08/25/2013		NeedPrep
1042	NITROCELLULOSE QSM				***DESIGNATED MATRIX SPIKE***		08/25/2013		NeedPrep

SAMPLE #: 337816 **DESCR:** 083SB-0004M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1215 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP		SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				***DESIGNATED MATRIX SPIKE***	08/26/2013	08/25/2013		Logged
863	VOC 8260 QSM LL			***Y***	***DESIGNATED MATRIX SPIKE***	08/26/2013	08/25/2013		NeedPrep
1100	VOC 8260 LL TXYL QSM				***DESIGNATED MATRIX SPIKE***	08/26/2013	08/25/2013		NeedPrep
1145	VOC 8260 LL TDCE QSM				***DESIGNATED MATRIX SPIKE***	08/26/2013	08/25/2013		NeedPrep

SAMPLE #: 337818 **DESCR:** 083SB-0005M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1245 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP		SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT					08/26/2013	08/25/2013		Logged
780	SVOC 8270 QSM			***Y***			08/25/2013		NeedPrep
817	ICP QSM					02/08/2014	08/25/2013		NeedPrep
		Aluminum							
		Antimony							
		Arsenic							
		Barium							
		Beryllium							

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337818 **DESCR:** 083SB-0005M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1245 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
		Cadmium						
		Calcium						
		Chromium						
		Cobalt						
		Copper						
		Iron						
		Lead						
		Magnesium						
		Manganese						
		Nickel						
		Selenium						
		Silver						
		Thallium						
		Vanadium						
		Zinc						
827	ICP K QSM				02/08/2014	08/25/2013		NeedPrep
828	ICP NA QSM				02/08/2014	08/25/2013		NeedPrep
833	MERCURY QSM				09/09/2013	08/25/2013		NeedPrep
891	EXPLOSIVES NITROGUAN					08/25/2013		NeedPrep
906	8330B EXPLOSIVES QSM					08/25/2013		NeedPrep
946	HOMOGEN/M.I. PREP					08/25/2013		Logged
960	PAH SIM QSM			*Y*		08/25/2013		NeedPrep
1042	NITROCELLULOSE QSM					08/25/2013		NeedPrep

SAMPLE #: 337819 **DESCR:** 083SB-0005M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1245 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
863	VOC 8260 QSM LL			*Y*	08/26/2013	08/25/2013		NeedPrep

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337819 **DESCR:** 083SB-0005M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1245 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
1100	VOC 8260 LL TXYL QSM				08/26/2013	08/25/2013		NeedPrep
1145	VOC 8260 LL TDCE QSM				08/26/2013	08/25/2013		NeedPrep

SAMPLE #: 337820 **DESCR:** 083SB-0006M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1245 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
780	SVOC 8270 QSM			*Y*		08/25/2013		NeedPrep
817	ICP QSM				02/08/2014	08/25/2013		NeedPrep
		Aluminum						
		Antimony						
		Arsenic						
		Barium						
		Beryllium						
		Cadmium						
		Calcium						
		Chromium						
		Cobalt						
		Copper						
		Iron						
		Lead						
		Magnesium						
		Manganese						
		Nickel						
		Selenium						
		Silver						
		Thallium						
		Vanadium						
		Zinc						

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337820 **DESCR:** 083SB-0006M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1245 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
827	ICP K QSM				02/08/2014	08/25/2013		NeedPrep
828	ICP NA QSM				02/08/2014	08/25/2013		NeedPrep
833	MERCURY QSM				09/09/2013	08/25/2013		NeedPrep
891	EXPLOSIVES NITROGUAN					08/25/2013		NeedPrep
906	8330B EXPLOSIVES QSM					08/25/2013		NeedPrep
946	HOMOGEN/M.I. PREP					08/25/2013		Logged
960	PAH SIM QSM			*Y*		08/25/2013		NeedPrep
1042	NITROCELLULOSE QSM					08/25/2013		NeedPrep

SAMPLE #: 337821 **DESCR:** 083SB-0006M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1245 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
863	VOC 8260 QSM LL			*Y*	08/26/2013	08/25/2013		NeedPrep
1100	VOC 8260 LL TXYL QSM				08/26/2013	08/25/2013		NeedPrep
1145	VOC 8260 LL TDCE QSM				08/26/2013	08/25/2013		NeedPrep

SAMPLE #: 337822 **DESCR:** 083SB-0008M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1315 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
780	SVOC 8270 QSM			*Y*		08/25/2013		NeedPrep
817	ICP QSM				02/08/2014	08/25/2013		NeedPrep
		Aluminum						
		Antimony						
		Arsenic						
		Barium						
		Beryllium						
		Cadmium						
		Calcium						

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337822 **DESCR:** 083SB-0008M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1315 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
		Chromium						
		Cobalt						
		Copper						
		Iron						
		Lead						
		Magnesium						
		Manganese						
		Nickel						
		Selenium						
		Silver						
		Thallium						
		Vanadium						
		Zinc						
827	ICP K QSM				02/08/2014	08/25/2013		NeedPrep
828	ICP NA QSM				02/08/2014	08/25/2013		NeedPrep
833	MERCURY QSM				09/09/2013	08/25/2013		NeedPrep
891	EXPLOSIVES NITROGUAN					08/25/2013		NeedPrep
906	8330B EXPLOSIVES QSM					08/25/2013		NeedPrep
946	HOMOGEN/M.I. PREP					08/25/2013		Logged
960	PAH SIM QSM			*Y*		08/25/2013		NeedPrep
1042	NITROCELLULOSE QSM					08/25/2013		NeedPrep

SAMPLE #: 337823 **DESCR:** 083SB-0008M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1315 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
863	VOC 8260 QSM LL			*Y*	08/26/2013	08/25/2013		NeedPrep
1100	VOC 8260 LL TXYL QSM				08/26/2013	08/25/2013		NeedPrep
1145	VOC 8260 LL TDCE QSM				08/26/2013	08/25/2013		NeedPrep

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337824 **DESCR:** 083SB-0009M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1415 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
780	SVOC 8270 QSM			*Y*		08/25/2013		NeedPrep
817	ICP QSM				02/08/2014	08/25/2013		NeedPrep
		Aluminum						
		Antimony						
		Arsenic						
		Barium						
		Beryllium						
		Cadmium						
		Calcium						
		Chromium						
		Cobalt						
		Copper						
		Iron						
		Lead						
		Magnesium						
		Manganese						
		Nickel						
		Selenium						
		Silver						
		Thallium						
		Vanadium						
		Zinc						
827	ICP K QSM				02/08/2014	08/25/2013		NeedPrep
828	ICP NA QSM				02/08/2014	08/25/2013		NeedPrep
833	MERCURY QSM				09/09/2013	08/25/2013		NeedPrep
891	EXPLOSIVES NITROGUAN					08/25/2013		NeedPrep
906	8330B EXPLOSIVES QSM					08/25/2013		NeedPrep
946	HOMOGEN/M.I. PREP					08/25/2013		Logged

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337824 **DESCR:** 083SB-0009M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1415 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
960	PAH SIM QSM			*Y*		08/25/2013		NeedPrep
1042	NITROCELLULOSE QSM					08/25/2013		NeedPrep

SAMPLE #: 337825 **DESCR:** 083SB-0009M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1415 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
863	VOC 8260 QSM LL			*Y*	08/26/2013	08/25/2013		NeedPrep
1100	VOC 8260 LL TXYL QSM				08/26/2013	08/25/2013		NeedPrep
1145	VOC 8260 LL TDCE QSM				08/26/2013	08/25/2013		NeedPrep

SAMPLE #: 337826 **DESCR:** 083SB-0011M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1440 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
780	SVOC 8270 QSM			*Y*		08/25/2013		NeedPrep
817	ICP QSM				02/08/2014	08/25/2013		NeedPrep
		Aluminum						
		Antimony						
		Arsenic						
		Barium						
		Beryllium						
		Cadmium						
		Calcium						
		Chromium						
		Cobalt						
		Copper						
		Iron						
		Lead						
		Magnesium						

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337826 **DESCR:** 083SB-0011M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1440 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
		Manganese						
		Nickel						
		Selenium						
		Silver						
		Thallium						
		Vanadium						
		Zinc						
827	ICP K QSM				02/08/2014	08/25/2013		NeedPrep
828	ICP NA QSM				02/08/2014	08/25/2013		NeedPrep
833	MERCURY QSM				09/09/2013	08/25/2013		NeedPrep
891	EXPLOSIVES NITROGUAN					08/25/2013		NeedPrep
906	8330B EXPLOSIVES QSM					08/25/2013		NeedPrep
946	HOMOGEN/M.I. PREP					08/25/2013		Logged
960	PAH SIM QSM			*Y*		08/25/2013		NeedPrep
1042	NITROCELLULOSE QSM					08/25/2013		NeedPrep

SAMPLE #: 337827 **DESCR:** 083SB-0011M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1440 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
863	VOC 8260 QSM LL			*Y*	08/26/2013	08/25/2013		NeedPrep
1100	VOC 8260 LL TXYL QSM				08/26/2013	08/25/2013		NeedPrep
1145	VOC 8260 LL TDCE QSM				08/26/2013	08/25/2013		NeedPrep

SAMPLE #: 337828 **DESCR:** 083SB-0012M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1455 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
780	SVOC 8270 QSM			*Y*		08/25/2013		NeedPrep
817	ICP QSM				02/08/2014	08/25/2013		NeedPrep

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337828 **DESCR:** 083SB-0012M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1455 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
		Aluminum						
		Antimony						
		Arsenic						
		Barium						
		Beryllium						
		Cadmium						
		Calcium						
		Chromium						
		Cobalt						
		Copper						
		Iron						
		Lead						
		Magnesium						
		Manganese						
		Nickel						
		Selenium						
		Silver						
		Thallium						
		Vanadium						
		Zinc						
827	ICP K QSM				02/08/2014	08/25/2013		NeedPrep
828	ICP NA QSM				02/08/2014	08/25/2013		NeedPrep
833	MERCURY QSM				09/09/2013	08/25/2013		NeedPrep
855	PCB QSM					08/25/2013		NeedPrep
859	PESTICIDES QSM			*Y*		08/25/2013		NeedPrep
891	EXPLOSIVES NITROGUAN					08/25/2013		NeedPrep
906	8330B EXPLOSIVES QSM					08/25/2013		NeedPrep
946	HOMOGEN/M.I. PREP					08/25/2013		Logged
960	PAH SIM QSM			*Y*		08/25/2013		NeedPrep

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337828 **DESCR:** 083SB-0012M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1455 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
1042	NITROCELLULOSE QSM					08/25/2013		NeedPrep

SAMPLE #: 337829 **DESCR:** 083SB-0012M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1455 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
863	VOC 8260 QSM LL			*Y*	08/26/2013	08/25/2013		NeedPrep
1100	VOC 8260 LL TXYL QSM				08/26/2013	08/25/2013		NeedPrep
1145	VOC 8260 LL TDCE QSM				08/26/2013	08/25/2013		NeedPrep

SAMPLE #: 337830 **DESCR:** 083SB-0013M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1510 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
780	SVOC 8270 QSM			*Y*		08/25/2013		NeedPrep
817	ICP QSM				02/08/2014	08/25/2013		NeedPrep
		Aluminum						
		Antimony						
		Arsenic						
		Barium						
		Beryllium						
		Cadmium						
		Calcium						
		Chromium						
		Cobalt						
		Copper						
		Iron						
		Lead						
		Magnesium						
		Manganese						

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337830 **DESCR:** 083SB-0013M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1510 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
		Nickel						
		Selenium						
		Silver						
		Thallium						
		Vanadium						
		Zinc						
827	ICP K QSM				02/08/2014	08/25/2013		NeedPrep
828	ICP NA QSM				02/08/2014	08/25/2013		NeedPrep
833	MERCURY QSM				09/09/2013	08/25/2013		NeedPrep
891	EXPLOSIVES NITROGUAN					08/25/2013		NeedPrep
906	8330B EXPLOSIVES QSM					08/25/2013		NeedPrep
946	HOMOGEN/M.I. PREP					08/25/2013		Logged
960	PAH SIM QSM			*Y*		08/25/2013		NeedPrep
1042	NITROCELLULOSE QSM					08/25/2013		NeedPrep

SAMPLE #: 337831 **DESCR:** 083SB-0013M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1510 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
863	VOC 8260 QSM LL			*Y*	08/26/2013	08/25/2013		NeedPrep
1100	VOC 8260 LL TXYL QSM				08/26/2013	08/25/2013		NeedPrep
1145	VOC 8260 LL TDCE QSM				08/26/2013	08/25/2013		NeedPrep

SAMPLE #: 337832 **DESCR:** 083SB-0014-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1415 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
780	SVOC 8270 QSM			*Y*		08/25/2013		NeedPrep
817	ICP QSM				02/08/2014	08/25/2013		NeedPrep
		Aluminum						

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SAMPLE #: 337832 **DESCR:** 083SB-0014-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1415 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
		Antimony						
		Arsenic						
		Barium						
		Beryllium						
		Cadmium						
		Calcium						
		Chromium						
		Cobalt						
		Copper						
		Iron						
		Lead						
		Magnesium						
		Manganese						
		Nickel						
		Selenium						
		Silver						
		Thallium						
		Vanadium						
		Zinc						
827	ICP K QSM				02/08/2014	08/25/2013		NeedPrep
828	ICP NA QSM				02/08/2014	08/25/2013		NeedPrep
833	MERCURY QSM				09/09/2013	08/25/2013		NeedPrep
891	EXPLOSIVES NITROGUAN					08/25/2013		NeedPrep
906	8330B EXPLOSIVES QSM					08/25/2013		NeedPrep
946	HOMOGEN/M.I. PREP					08/25/2013		Logged
960	PAH SIM QSM			*Y*		08/25/2013		NeedPrep
1042	NITROCELLULOSE QSM					08/25/2013		NeedPrep

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337833 **DESCR:** 083SB-0014-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1415 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
863	VOC 8260 QSM LL			*Y*	08/26/2013	08/25/2013		NeedPrep
1100	VOC 8260 LL TXYL QSM				08/26/2013	08/25/2013		NeedPrep
1145	VOC 8260 LL TDCE QSM				08/26/2013	08/25/2013		NeedPrep

SAMPLE #: 337834 **DESCR:** 083SB-0015M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1514 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/26/2013	08/25/2013		Logged
780	SVOC 8270 QSM			*Y*		08/25/2013		NeedPrep
817	ICP QSM				02/08/2014	08/25/2013		NeedPrep
		Aluminum						
		Antimony						
		Arsenic						
		Barium						
		Beryllium						
		Cadmium						
		Calcium						
		Chromium						
		Cobalt						
		Copper						
		Iron						
		Lead						
		Magnesium						
		Manganese						
		Nickel						
		Selenium						
		Silver						
		Thallium						

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 337834 **DESCR:** 083SB-0015M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/12/2013 **Time:** 1514 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
		Vanadium						
		Zinc						
827	ICP K QSM				02/08/2014	08/25/2013		NeedPrep
828	ICP NA QSM				02/08/2014	08/25/2013		NeedPrep
833	MERCURY QSM				09/09/2013	08/25/2013		NeedPrep
891	EXPLOSIVES NITROGUAN					08/25/2013		NeedPrep
906	8330B EXPLOSIVES QSM					08/25/2013		NeedPrep
946	HOMOGEN/M.I. PREP					08/25/2013		Logged
960	PAH SIM QSM			*Y*		08/25/2013		NeedPrep
1042	NITROCELLULOSE QSM					08/25/2013		NeedPrep

SAMPLE #: 337835 **DESCR:** 083SB-0016-0001-TB **MATRIX:** TRIP BLANK **SAMPLED:** 08/12/2013 **Time:** 0800 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
863	VOC 8260 QSM LL				08/26/2013	08/25/2013		Logged
1100	VOC 8260 LL TXYL QSM				08/26/2013	08/25/2013		Logged
1145	VOC 8260 LL TDCE QSM				08/26/2013	08/25/2013		Logged

SAMPLE #: 337836 **DESCR:** 083SB-0018-0001-TB **MATRIX:** TRIP BLANK **SAMPLED:** 08/12/2013 **Time:** 0800 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
863	VOC 8260 QSM LL				08/26/2013	08/25/2013		Logged
1100	VOC 8260 LL TXYL QSM				08/26/2013	08/25/2013		Logged
1145	VOC 8260 LL TDCE QSM				08/26/2013	08/25/2013		Logged

Folder #: 99211 **Company:** *ECC* **Project:** RVAAP

Invoice Number: 99500 **Preliminary Invoice Estimate:** $ 8,498.00

Item	Matrix	Quantity	Price	Expedited TAT Surcharge	Total
8330B EXPLOSIVES QSM	SOIL	13	$ 85.00	0.00	$ 1105.00
EXPLOSIVES NITROGUAN	SOIL	13	$ 70.00	0.00	$ 910.00
HOMOGEN/M.I. PREP	SOIL	13	$ 50.00	0.00	$ 650.00
ICP K QSM	SOIL	13	$ 7.00	0.00	$ 91.00
ICP NA QSM	SOIL	13	$ 7.00	0.00	$ 91.00
ICP QSM Aluminum	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Antimony	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Arsenic	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Barium	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Beryllium	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Cadmium	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Calcium	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Chromium	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Cobalt	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Copper	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Iron	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Lead	SOIL	13	$ 12.00	0.00	$ 156.00
ICP QSM Magnesium	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Manganese	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Nickel	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Selenium	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Silver	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Thallium	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Vanadium	SOIL	13	$ 3.00	0.00	$ 39.00
ICP QSM Zinc	SOIL	13	$ 3.00	0.00	$ 39.00
MERCURY QSM	SOIL	13	$ 15.00	0.00	$ 195.00
NITROCELLULOSE QSM	SOIL	13	$ 50.00	0.00	$ 650.00
PAH SIM QSM	SOIL	13	$ 77.00	0.00	$ 1001.00
PCB QSM	SOIL	1	$ 55.00	0.00	$ 55.00

PESTICIDES QSM	SOIL	1	$ 75.00	0.00	$ 75.00
SOLIDS,PERCENT	SOIL	23	$ 0.00	0.00	$ 0.00
SVOC 8270 QSM	SOIL	13	$ 150.00	0.00	$ 1950.00
VOC 8260 LL TDCE QSM	SOIL	10	$ 0.00	0.00	$ 0.00
VOC 8260 LL TDCE QSM	TRIP BLANK	2	$ 0.00	0.00	$ 0.00
VOC 8260 LL TXYL QSM	SOIL	10	$ 0.00	0.00	$ 0.00
VOC 8260 LL TXYL QSM	TRIP BLANK	2	$ 0.00	0.00	$ 0.00
VOC 8260 QSM LL	SOIL	10	$ 69.00	0.00	$ 690.00
VOC 8260 QSM LL	TRIP BLANK	2	$ 69.00	0.00	$ 138.00
Temporary Fuel Surcharge on lab supplies and services (if applicable):					$ 0.00

Bottle Information

Container	# Containers	Tests
FOR LABEL ONLY	**26**	SOIL PREP/MIX
SOLIDS	**24**	%SOL,HG,ICP,K,NA
TERRA CORE KIT	**14**	VOC
TERRA CORE LL	**30**	VOC
TRIP BLANK	**7**	VOC
UNPRES GL	**12**	8270,EXPL,NC
UNPRES PL	**2**	8270,EXPL,NC
VOA HCL	**1**	VOC

CT LABORATORIES
delivering more than data from your environmental analyses

Sample Condition Report

Folder #: 99295
Client: ECC

Print Date / Time: 08/15/2013 10:42
Received Date / Time / By: 08/15/2013 1000 JLS

Project Name: RVAAP
Project Phase: LAB BLDG DV-1 CC83

Log-In Date / Time / By: 08/15/2013 1042 JLS
Project #: PM: ETK

Coolers: UNMARKED
Custody Seals Present : **Y**

Temperature: 2.9 C On Ice: **Y**
COC Present:? **Y** Complete? **Y**

Seal Intact? **Y**
Ship Method: FEDEX EXPRESS
Adequate Packaging: **Y**

Numbers: DATED AND SIGNED
Tracking Number: 803277212603
Temp Blank Enclosed? **Y**

Notes: SAMPLES REC'D IN GOOD CONDITION ON ICE
1 CUSTODY SEAL PRESENT AND INTACT. DATED 8/14/13 AND SIGNED BY JEFF DONOVAN

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
338807 083SB-0001M-0001-SO				
	SOLIDS	1	/	%SOL
	Total # of Containers of Type (*SOLIDS*) = 1			
338807 083SB-0001M-0001-SO				
	TERRA CORE	1	/	VOC
	Total # of Containers of Type (*TERRA CORE*) = 1			
338807 083SB-0001M-0001-SO				
	TERRA CORE KIT	1	/	VOC
	Total # of Containers of Type (*TERRA CORE KIT*) = 1			
338807 083SB-0001M-0001-SO				
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	Total # of Containers of Type (*TERRA CORE LL*) = 3			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
338808 083SB-0002M-0001-SO				
	SOLIDS	1	/	%SOL
	Total # of Containers of Type (*SOLIDS*) = 1			
338808 083SB-0002M-0001-SO				
	TERRA CORE KIT	1	/	VOC
	TERRA CORE KIT	1	/	VOC
	Total # of Containers of Type (*TERRA CORE KIT*) = 2			
338808 083SB-0002M-0001-SO				
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	Total # of Containers of Type (*TERRA CORE LL*) = 3			

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
338809 083SB-0020-0001-TB				
	TERRA CORE	1	/	VOC
	TERRA CORE	1	/	VOC
	Total # of Containers of Type		**(*TERRA CORE*) = 2**	
338809 083SB-0020-0001-TB				
	TERRA CORE KIT	1	/	VOC
	Total # of Containers of Type		**(*TERRA CORE KIT*) = 1**	
338809 083SB-0020-0001-TB				
	TERRA CORE LL	1	/	VOC
	Total # of Containers of Type		**(*TERRA CORE LL*) = 1**	

Sample ID / Description	Container Type	Cond. Code	pH OK?/Filtered?	Tests
338810 083SB-0015M-0001-SO				
	SOLIDS	1	/	%SOL
	Total # of Containers of Type		**(*SOLIDS*) = 1**	
338810 083SB-0015M-0001-SO				
	TERRA CORE KIT	1	/	VOC
	TERRA CORE KIT	1	/	VOC
	Total # of Containers of Type		**(*TERRA CORE KIT*) = 2**	
338810 083SB-0015M-0001-SO				
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	TERRA CORE LL	1	/	VOC
	Total # of Containers of Type		**(*TERRA CORE LL*) = 3**	

Condition Code	*Condition Description*
1	Sample Received OK

Rev. 2/2013

CHAIN OF CUSTODY

Page 1 of 1

Company: ECC
Project Contact: J. KIKER
Telephone:
Project Name: RAVENNA
Project #:
Location: CC 73
Sampled By: RW, JS, CB

CT LABORATORIES
1230 Lange Court, Baraboo, WI 53913
608-356-2760 Fax 608-356-2766
www.ctlaboratories.com

Folder #: 99295
Company: ECC
Project: RVAAP
Logged By: JLS PM: ET

am:
RCRA SDWA NPDES
Vaste Other _____

Report To:
EMAIL: ECC
Company: CT
Address: COC # 0005

Invoice To:*
EMAIL: ECC
Company:
Address:

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions
THESE SAMPLES ARE DISCRETE VOC GRABS ASSOC. W/SAME SAMPLE ID'S/SAMPLES COLL. ON 8-12-13 AND LISTED ON COC #0001 AND 0002. ~~THESE~~ VOC'S WERE MISSED ON OR 16, COLL. DATE.

Matrix:
GW – groundwater SW - surface water WW - wastewater DW - drinking water
S - soil/sediment SL - sludge A - air M - misc/waste

Collection Date	Collection Time	Matrix	Grab/ Comp	Sample # (1,2,3, etc)	Sample ID Description	Filtered? Y/N	ANALYSES REQUESTED: VOC	Total # Containers	Designated MS/MSD	CT Lab ID # (Lab use only)
8-14-13	0900	SOIL	GRB		0835B-0001M-COMP-A		X			338807
	0905				40 -0002M-11		X			338808
	0910				~~EB1 -0003M-11~~		~~X~~			
	0800	WATER	—		0835B-0020-COMP-TB		X			TRIP BLK. 338809
	0910	SOIL			0835B-0015M-0001-SC		X			338810

Relinquished By: [signature] Date/Time 8/14/13 1800
Received by: Date/Time

Received By: FEDEX Date/Time
Received for Laboratory by: [signature] Date/Time 8/15/13 1010

Lab Use Only
Ice Present (Yes) No
Temperature 2.9
Cooler # undertyd

8/15/13 1000

FedEx Express **NEW** Package US Airbill

FedEx Tracking Number 8032 7721 2603

Form ID No. 0208

Recipient's Copy

1 From

Date 8-14-13

Sender's Name JEFF DONOVAN Phone 508 [redacted] 1784

Company ECC

Address 33 BOSTON POST RD WEST # 420 Dept/Floor/Suite/Room

City MARLBORO State MA ZIP 01752

2 Your Internal Billing Reference RAVENNA

3 To

Recipient's Name SAMPLE RECEIPT Phone 608 356-2760

Company CT LABORATORIES LLC

Address 1230 LANGE COURT Dept/Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City BARABOO State WI ZIP 53913

4 Express Package Service * To most locations.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

NOTE: Service order has changed. Please select carefully.

Next Business Day	2 or 3 Business Days
☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.	☐ FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.	☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.	☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

☒ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration ☐ Yes Shipper's Declaration not required ☐ Dry Ice Dry Ice, 9, UN 1845 — x — kg ☐ Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below. Obtain recip Acct. No ☐

☒ Sender Acct. No. in Section 1 will be billed ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Total Packages 1 Total Weight 3 lbs. Credit Card Auth.

*Our liability is limited to US$500 unless you declare a higher value. See the current FedEx Service Guide for details.

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fedex.com 1.800.GoFedEx 1.800.463.3339

8032 7721 2603

Official Sample Custody Seal

DATE 8-14-13

SIGNATURE [redacted] Jeff Donovan Rec

DO NOT BREAK OR OPEN

contact:

CT Laboratories LLC

1230 Lange Court Baraboo, WI 53913

608-356-2760

Unmarked cooler 8/15/13 $ 1000 2.90

3 3 8.00

3 3 8 8 0

3 3 8

Folder #: 99295

PM LOGIN CONFIRMATION

Contract #: 2622

Company: ECC **Project:** RVAAP **Proj #:**

Project Phase: LAB BLDG DV-1 CC83 **PO Number:** **Invoice #:** 99584

Project Manager: *ETK* **Date Received:** 08/15/13 **Log Date:** 08/15/2013 **Projected Sample Disposal Date:** 60 **days from receipt date**

Report To: AL EASTERDAY CC:
33 BOSTON POST RD
MARLBOROUGH, MA 01752
Phone: : Fax:
Rep. E-Mail aeasterday@ecc.net

Invoice To :ACCOUNTS PAYABLE CC:
1301 CONTINENTAL DR
SUITE 108
ABINGDON, MD 21009
Phone: Fax:
EMail:

Collected By: rw, js, cg
Collector's Phone:

Arrival Temperature: 2.9 oC

SAMPLE #: 338807 DESCR: 083SB-0001M-0001-SO MATRIX: SOIL SAMPLED: 08/14/2013 Time: 0900 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/28/2013	08/27/2013		Logged
863	VOC 8260 QSM LL			*Y*	08/28/2013	08/27/2013		NeedPrep
1100	VOC 8260 LL TXYL QSM				08/28/2013	08/27/2013		NeedPrep
1145	VOC 8260 LL TDCE QSM				08/28/2013	08/27/2013		NeedPrep

SAMPLE #: 338808 DESCR: 083SB-0002M-0001-SO MATRIX: SOIL SAMPLED: 08/14/2013 Time: 0905 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/28/2013	08/27/2013		Logged
863	VOC 8260 QSM LL			*Y*	08/28/2013	08/27/2013		NeedPrep
1100	VOC 8260 LL TXYL QSM				08/28/2013	08/27/2013		NeedPrep
1145	VOC 8260 LL TDCE QSM				08/28/2013	08/27/2013		NeedPrep

SAMPLE #: 338809 DESCR: 083SB-0020-0001-TB MATRIX: LL TRIP BLANK SAMPLED: 08/14/2013 Time: 0800 CLIENT SAMPLE #:

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS

Folder #: 99295 **Company:** *ECC* **Project:** RVAAP

SAMPLE #: 338809 **DESCR:** 083SB-0020-0001-TB **MATRIX:** LL TRIP BLANK **SAMPLED:** 08/14/2013 **Time:** 0800 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
863	VOC 8260 QSM LL			*Y*	08/28/2013	08/27/2013		NeedPrep
1100	VOC 8260 LL TXYL QSM				08/28/2013	08/27/2013		NeedPrep
1145	VOC 8260 LL TDCE QSM				08/28/2013	08/27/2013		NeedPrep

SAMPLE #: 338810 **DESCR:** 083SB-0015M-0001-SO **MATRIX:** SOIL **SAMPLED:** 08/14/2013 **Time:** 0910 **CLIENT SAMPLE #:**

TEST#	TEST	ANALYTE	TEST GROUP	SPECIAL REQUIREMENTS	HOLD DATE	ANALYSIS DUE	RUSH	STATUS
8	SOLIDS,PERCENT				08/28/2013	08/27/2013		Logged
863	VOC 8260 QSM LL			*Y*	08/28/2013	08/27/2013		NeedPrep
1100	VOC 8260 LL TXYL QSM				08/28/2013	08/27/2013		NeedPrep
1145	VOC 8260 LL TDCE QSM				08/28/2013	08/27/2013		NeedPrep

Invoice Number: 99584 **Preliminary Invoice Estimate:** $ 458.00

Item	Matrix	Quantity	Price	Expedited TAT Surcharge	Total
SOLIDS,PERCENT	SOIL	3	$ 0.00	0.00	$ 0.00
Terra Core NU		14	$ 13.00	0.00	$ 182.00
VOC 8260 LL TDCE QSM	LL TRIP BLANK	1	$ 0.00	0.00	$ 0.00
VOC 8260 LL TDCE QSM	SOIL	3	$ 0.00	0.00	$ 0.00
VOC 8260 LL TXYL QSM	LL TRIP BLANK	1	$ 0.00	0.00	$ 0.00
VOC 8260 LL TXYL QSM	SOIL	3	$ 0.00	0.00	$ 0.00
VOC 8260 QSM LL	LL TRIP BLANK	1	$ 69.00	0.00	$ 69.00
VOC 8260 QSM LL	SOIL	3	$ 69.00	0.00	$ 207.00
Temporary Fuel Surcharge on lab supplies and services (if applicable):					$ 0.00

Bottle Information

Container	# Containers	Tests
SOLIDS	**3**	%SOL
TERRA CORE	**3**	VOC
TERRA CORE KIT	**6**	VOC
TERRA CORE LL	**10**	VOC