



ALS Environmental
ALS Group USA, Corp.
1317 South 13th Avenue
Kelso, WA 98626
T: +1 360 577 7222
F: +1 360 636 1068
www.alsglobal.com

June 23, 2014

Analytical Report for Service Request No: K1405572

Paul Berman
Anamar Environmental Consulting, Inc.
2106 NW 67th Place, Suite 5
Gainesville, FL 32653

RE: Shipyard Creek MPRSA S103

Dear Paul:

Enclosed are the results of the sample submitted to our laboratory on June 04, 2014. For your reference, these analyses have been assigned our service request number K1405572.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current NELAP standards, where applicable, and except as noted in the laboratory case narrative provided. For a specific list of NELAP-accredited analytes, refer to the certifications section at www.alsglobal.com. All results are intended to be considered in their entirety, and ALS Group USA Corp. dba ALS Environmental (ALS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3293. You may also contact me via Email at Shar.Samy@alsglobal.com.

Respectfully submitted,

ALS Group USA Corp. dba ALS Environmental

Shar Samy, Ph.D.
Project Manager

SS/mj

Page 1 of 593

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LOD	Limit of Detection
LOQ	Limit of Quantitation
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- E The result is an estimate amount because the value exceeded the instrument calibration range.
- J The result is an estimated value.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.
- H The holding time for this test is immediately following sample collection. The samples were analyzed as soon as possible after receipt by the laboratory.

Metals Data Qualifiers

- # The control limit criteria is not applicable. See case narrative.
- J The result is an estimated value.
- E The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
- M The duplicate injection precision was not met.
- N The Matrix Spike sample recovery is not within control limits. See case narrative.
- S The reported value was determined by the Method of Standard Additions (MSA).
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
- W The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
 - i The MRL/MDL or LOQ/LOD is elevated due to a matrix interference.
- X See case narrative.
- + The correlation coefficient for the MSA is less than 0.995.
- Q See case narrative. One or more quality control criteria was outside the limits.

Organic Data Qualifiers

- * The result is an outlier. See case narrative.
- # The control limit criteria is not applicable. See case narrative.
- A A tentatively identified compound, a suspected aldol-condensation product.
- B The analyte was found in the associated method blank at a level that is significant relative to the sample result as defined by the DOD or NELAC standards.
- C The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
- D The reported result is from a dilution.
- E The result is an estimated value.
- J The result is an estimated value.
- N The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
- P The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results.
- U The analyte was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
DOD-QSM 4.2 definition : Analyte was not detected and is reported as less than the LOD or as defined by the project. The detection limit is adjusted for dilution.
 - i The MRL/MDL or LOQ/LOD is elevated due to a chromatographic interference.
- X See case narrative.
- Q See case narrative. One or more quality control criteria was outside the limits.

Additional Petroleum Hydrocarbon Specific Qualifiers

- F The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
- L The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
- H The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
- O The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
- Y The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
- Z The chromatographic fingerprint does not resemble a petroleum product.

**ALS Group USA Corp. dba ALS Environmental (ALS) - Kelso
State Certifications, Accreditations, and Licenses**

Agency	Web Site	Number
Alaska DEC UST	http://dec.alaska.gov/applications/eh/ehllabreports/USTLabs.aspx	UST-040
Arizona DHS	http://www.azdhs.gov/lab/license/env.htm	AZ0339
Arkansas - DEQ	http://www.adeq.state.ar.us/techsvs/labcert.htm	88-0637
California DHS (ELAP)	http://www.cdph.ca.gov/certlic/labs/Pages/ELAP.aspx	2286
DOD ELAP	http://www.denix.osd.mil/edqw/Accreditation/AccreditedLabs.cfm	L12-28
Florida DOH	http://www.doh.state.fl.us/lab/EnvLabCert/WaterCert.htm	E87412
Georgia DNR	http://www.gaepd.org/Documents/techguide_pcb.html#cel	881
Hawaii DOH	Not available	-
Idaho DHW	http://www.healthandwelfare.idaho.gov/Health/Labs/CertificationDrinkingWaterLabs/tabid/1833/Default.aspx	-
ISO 17025	http://www.pjlabs.com/	L12-27
Louisiana DEQ	http://www.deq.louisiana.gov/portal/DIVISIONS/PublicParticipationandPermitSupport/LouisianaLaboratoryAccreditationProgram.aspx	3016
Maine DHS	Not available	WA0035
Michigan DEQ	http://www.michigan.gov/deq/0,1607,7-135-3307_4131_4156---,00.html	9949
Minnesota DOH	http://www.health.state.mn.us/accreditation	053-999-457
Montana DPHHS	http://www.dphhs.mt.gov/publichealth/	CERT0047
Nevada DEP	http://ndep.nv.gov/bsdw/labservice.htm	WA35
New Jersey DEP	http://www.nj.gov/dep/oqa/	WA005
North Carolina DWQ	http://www.dwqlab.org/	605
Oklahoma DEQ	http://www.deq.state.ok.us/CSDnew/labcert.htm	9801
Oregon – DEQ (NELAP)	http://public.health.oregon.gov/LaboratoryServices/EnvironmentalLaboratoryAccreditation/Pages/index.aspx	WA200001
South Carolina DHEC	http://www.scdhec.gov/environment/envserv/	61002
Texas CEQ	http://www.tceq.texas.gov/field/qa/env_lab_accreditation.html	4704427-08-TX
Washington DOE	http://www.ecy.wa.gov/programs/eap/labs/lab-accreditation.html	C1203
Wisconsin DNR	http://dnr.wi.gov/	998386840
Wyoming (EPA Region 8)	http://www.epa.gov/region8/water/dwhome/wyomingdi.html	-
Kelso Laboratory Website	www.alsglobal.com	NA

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. A complete listing of specific NELAP-certified analytes, can be found in the certification section at www.ALSGlobal.com or at the accreditation bodies web site.

Please refer to the certification and/or accreditation body's web site if samples are submitted for compliance purposes. The states highlighted above, require the analysis be listed on the state certification if used for compliance purposes and if the method/analyte is offered by that state.



Case Narrative

ALS Environmental—Kelso Laboratory
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Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

ALS ENVIRONMENTAL

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request No.: K1405572
Date Received: 06/04/14

Case Narrative

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier IV validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

One water sample was received for analysis at ALS Environmental on 06/04/14. The sample was received in good condition and consistent with the accompanying chain of custody form. The sample was stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters

No anomalies associated with the analysis of this sample were observed.

Total Metals

No anomalies associated with the analysis of this sample were observed.

Organochlorine Pesticides by EPA Method 8081

Matrix Spike Recovery Exceptions:

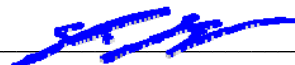
Insufficient sample volume was received to perform a Matrix Spike/Matrix Spike Duplicate (MS/MSD). A Laboratory Control Sample/Duplicate Laboratory Control Sample (LCS/DLCS) was analyzed and reported in lieu of the MS/MSD for these samples.

Elevated Detection Limits:

The detection limit was elevated for a couple analytes in this sample. The chromatogram indicated the presence of non-target background components. The matrix interference prevented adequate resolution of the target compounds at the normal limit. The results were flagged to indicate the matrix interference.

No other anomalies associated with the analysis of this sample were observed.

Approved by _____





Chain of Custody

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1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com



PC Shar

Cooler Receipt and Preservation Form

Client / Project: Anamar Service Request K14 05572
 Received: 6-4-14 Opened: 6-4-14 By: beu Unloaded: 6-4-14 By: beu

1. Samples were received via? *Mail* Fed Ex *UPS* *DHL* *PDX* *Courier* *Hand Delivered*
 2. Samples were received in: (circle) Cooler *Box* *Envelope* *Other* NA
 3. Were custody seals on coolers? *NA* *Y* N If yes, how many and where? _____
 If present, were custody seals intact? *Y* N If present, were they signed and dated? *Y* N

Raw Cooler Temp	Corrected Cooler Temp	Raw Temp Blank	Corrected Temp Blank	Corr. Factor	Thermometer ID	Cooler/COC ID	Tracking Number	NA	Filed
-03	-03	40	40	0.0	333	NA	7701-2367 0603		

4. Packing material: *Inserts* *Baggies* *Bubble Wrap* Gel Packs Wet Ice *Dry Ice* *Sleeves* _____
 5. Were custody papers properly filled out (ink, signed, etc.)? *NA* *Y* N
 6. Did all bottles arrive in good condition (unbroken)? *Indicate in the table below.* *NA* Y *N*
 7. Were all sample labels complete (i.e analysis, preservation, etc.)? *NA* Y *N*
 8. Did all sample labels and tags agree with custody papers? *Indicate major discrepancies in the table on page 2.* *NA* Y *N*
 9. Were appropriate bottles/containers and volumes received for the tests indicated? *NA* Y *N*
 10. Were the pH-preserved bottles (*see SMO GEN SOP*) received at the appropriate pH? *Indicate in the table below* *NA* Y *N*
 11. Were VOA vials received without headspace? *Indicate in the table below.* NA *Y* *N*
 12. Was C12/Res negative? *NA* Y *N*

Sample ID on Bottle	Sample ID on COC	Identified by:

Sample ID	Bottle Count Bottle Type	Out of Temp	Head- space	Broke	pH	Reagent	Volume added	Reagent Lot Number	Initials	Time

Notes, Discrepancies, & Resolutions: _____



General Chemistry

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water
Analysis Method: SM 4500-NH3 G
Prep Method: Method

Service Request: K1405572
Date Collected: 06/3/14
Date Received: 06/4/14
Units: mg/L
Basis: NA

Ammonium

Sample Name	Lab Code	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
SYC14-ODMDS-SW	K1405572-001	ND U	0.050	0.020	1	06/13/14 08:57	6/13/14	
Method Blank	K1405572-MB	ND U	0.050	0.020	1	06/13/14 08:57	6/13/14	

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request: K1405572
Date Collected: 06/03/14
Date Received: 06/04/14
Date Analyzed: 06/13/14

Replicate Sample Summary
General Chemistry Parameters

Sample Name: SYC14-ODMDS-SW
Lab Code: K1405572-001

Units: mg/L
Basis: NA

<u>Analyte Name</u>	<u>Analysis Method</u>	<u>MRL</u>	<u>MDL</u>	<u>Sample Result</u>	<u>Duplicate Sample K1405572-001DUP Result</u>	<u>Average</u>	<u>RPD</u>	<u>RPD Limit</u>
Ammonium	SM 4500-NH3 G	0.050	0.020	ND	ND	NC	NC	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request: K1405572
Date Collected: 06/03/14
Date Received: 06/04/14
Date Analyzed: 06/13/14
Date Extracted: 06/13/14

Duplicate Matrix Spike Summary
Ammonium

Sample Name: SYC14-ODMDS-SW
Lab Code: K1405572-001
Analysis Method: SM 4500-NH3 G
Prep Method: Method

Units: mg/L
Basis: NA

Analyte Name	Sample Result	Result	Matrix Spike K1405572-001MS		Duplicate Matrix Spike K1405572-001DMS		% Rec Limits	RPD	RPD Limit	
			Spike Amount	% Rec	Result	Spike Amount				% Rec
Ammonium	ND U	2.12	2.00	106	2.12	2.00	106	90-110	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request: K1405572
Date Analyzed: 06/13/14
Date Extracted: 06/13/14

Lab Control Sample Summary
Ammonium

Analysis Method: SM 4500-NH3 G
Prep Method: Method

Units: mg/L
Basis: NA
Analysis Lot: 397097

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	K1405572-LCS	11.2	10.8	104	90-110

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572

Continuing Calibration Verification (CCV) Summary

Ammonium

Analysis Method: SM 4500-NH3 G

Units: mg/L

	Analysis		Date	True	Measured	Percent	Acceptance
	Lot	Lab Code	Analyzed	Value	Value	Recovery	Limits
CCV1	397097	KQ1406572-01	06/13/14 08:57	2.00	2.00	100	90-110
CCV2	397097	KQ1406572-02	06/13/14 08:57	2.00	2.00	100	90-110
CCV3	397097	KQ1406572-03	06/13/14 08:57	2.00	1.96	98	90-110
CCV4	397097	KQ1406572-04	06/13/14 08:57	2.00	1.98	99	90-110
CCV5	397097	KQ1406572-05	06/13/14 08:57	2.00	1.95	98	90-110
CCV6	397097	KQ1406572-06	06/13/14 08:57	2.00	1.97	99	90-110
CCV7	397097	KQ1406572-07	06/13/14 08:57	2.00	1.98	99	90-110
CCV8	397097	KQ1406572-08	06/13/14 08:57	2.00	1.98	99	90-110
CCV9	397097	KQ1406572-09	06/13/14 08:57	2.00	1.96	98	90-110
CCV10	397097	KQ1406572-10	06/13/14 08:57	2.00	1.97	99	90-110
CCV11	397097	KQ1406572-11	06/13/14 08:57	2.00	1.95	97	90-110

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request:K1405572

Continuing Calibration Blank (CCB) Summary
Ammonium

Analysis Method: SM 4500-NH3 G

Units:mg/L

	Analysis Lot	Lab Code	Date Analyzed	MRL	MDL	Result	Q
CCB1	397097	KQ1406572-12	06/13/14 08:57	0.050	0.020	ND	U
CCB2	397097	KQ1406572-13	06/13/14 08:57	0.050	0.020	0.021	J
CCB3	397097	KQ1406572-14	06/13/14 08:57	0.050	0.020	0.033	J
CCB4	397097	KQ1406572-15	06/13/14 08:57	0.050	0.020	ND	U
CCB5	397097	KQ1406572-16	06/13/14 08:57	0.050	0.020	ND	U
CCB6	397097	KQ1406572-17	06/13/14 08:57	0.050	0.020	0.022	J
CCB7	397097	KQ1406572-18	06/13/14 08:57	0.050	0.020	ND	U
CCB8	397097	KQ1406572-19	06/13/14 08:57	0.050	0.020	ND	U
CCB9	397097	KQ1406572-20	06/13/14 08:57	0.050	0.020	0.023	J
CCB10	397097	KQ1406572-21	06/13/14 08:57	0.050	0.020	ND	U
CCB11	397097	KQ1406572-22	06/13/14 08:57	0.050	0.020	0.022	J



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- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: Anamar Environmental Consulting, Inc.
Project Name: Shipyard Creek MPRSA S103
Project No.:

Service Request: K1405572

<u>Sample Name:</u>	<u>Lab Code:</u>
<u>SYC14-ODMDS-SW</u>	<u>K1405572-001</u>
<u>SYC14-ODMDS-SWD</u>	<u>K1405572-001D</u>
<u>SYC14-ODMDS-SWS</u>	<u>K1405572-001S</u>
<u>SYC14-ODMDS-SWSD</u>	<u>K1405572-001SD</u>
<u>Method Blank</u>	<u>K1405572-MB</u>
<u>Batch QC1D</u>	<u>K1405818-002D</u>
<u>Batch QC1S</u>	<u>K1405818-002S</u>
<u>Batch QC1SD</u>	<u>K1405818-002SD</u>

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Anamar Environmental Consulting Service Request: K1405572
 Project No.: NA Date Collected: 06/03/14
 Project Name: Shipyard Creek MPRSA S103 Date Received: 06/04/14
 Matrix: WATER Units: ug/L
 Basis: NA

Sample Name: SYC14-ODMDS-SW Lab Code: K1405572-001

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	200.8	1.00	0.100	1.0	06/16/14	06/18/14	0.756	J	
Arsenic	200.8	0.50	0.03	1.0	06/18/14	06/19/14	0.98		
Beryllium	200.8	0.020	0.001	1.0	06/18/14	06/19/14	0.001	J	
Cadmium	200.8	0.020	0.001	1.0	06/18/14	06/19/14	0.012	J	
Chromium	200.8	0.20	0.02	1.0	06/18/14	06/19/14	0.16	J	
Copper	200.8	0.100	0.003	1.0	06/18/14	06/19/14	0.194		
Lead	200.8	0.02	0.01	1.0	06/18/14	06/19/14	0.01	J	
Mercury	7470A	0.20	0.02	1.0	06/05/14	06/06/14	0.02	U	
Nickel	200.8	0.20	0.04	1.0	06/18/14	06/19/14	0.20		
Selenium	7742	1.00	0.20	2.0	06/17/14	06/20/14	0.26	J	
Silver	200.8	0.020	0.002	1.0	06/18/14	06/19/14	0.002	U	
Thallium	200.8	0.020	0.004	1.0	06/18/14	06/19/14	0.012	J	
Zinc	200.8	0.5	0.1	1.0	06/18/14	06/19/14	0.2	J	

Comments:

Metals

- 1 -

INORGANIC ANALYSIS DATA PACKAGE

Client: Anamar Environmental Consulting **Service Request:** K1405572
Project No.: NA **Date Collected:**
Project Name: Shipyard Creek MPRSA S103 **Date Received:**
Matrix: WATER **Units:** ug/L
Basis: NA

Sample Name: Method Blank **Lab Code:** K1405572-MB

Analyte	Analysis Method	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Antimony	200.8	0.050	0.005	1.0	06/16/14	06/18/14	0.005	U	
Arsenic	200.8	0.50	0.03	1.0	06/18/14	06/19/14	0.03	U	
Beryllium	200.8	0.020	0.001	1.0	06/18/14	06/19/14	0.001	J	
Cadmium	200.8	0.020	0.001	1.0	06/18/14	06/19/14	0.001	U	
Chromium	200.8	0.20	0.02	1.0	06/18/14	06/19/14	0.02	U	
Copper	200.8	0.100	0.003	1.0	06/18/14	06/19/14	0.004	J	
Lead	200.8	0.02	0.01	1.0	06/18/14	06/19/14	0.01	U	
Mercury	7470A	0.20	0.02	1.0	06/05/14	06/06/14	0.02	U	
Nickel	200.8	0.20	0.04	1.0	06/18/14	06/19/14	0.04	U	
Selenium	7742	1.00	0.20	2.0	06/17/14	06/20/14	0.20	U	
Silver	200.8	0.020	0.002	1.0	06/18/14	06/19/14	0.002	U	
Thallium	200.8	0.020	0.004	1.0	06/18/14	06/19/14	0.004	U	
Zinc	200.8	0.5	0.1	1.0	06/18/14	06/19/14	0.1	J	

Comments:

Metals
- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Anamar Environmental Consulting **Service Request:** K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

ICV Source: Inorganic Ventures

CCV Source: ALS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony	25.0	26.9	108	25.0	24.6	98	25.0	100	200.8
Arsenic	25.0	25.4	102	25.0	24.7	99	25.6	102	200.8
Beryllium	2.5	2.4	96	25.0	24.9	100	25.9	104	200.8
Cadmium	12.5	12.9	103	25.0	25.0	100	25.7	103	200.8
Chromium	10.0	9.6	96	25.0	24.7	99	25.7	103	200.8
Copper	12.5	12.0	96	25.0	24.9	100	25.8	103	200.8
Lead	25.0	24.5	98	25.0	24.9	100	25.6	102	200.8
Mercury	5.00	5.00	100	5.00	5.10	102	5.00	100	7470A
Nickel	25.0	24.7	99	25.0	25.1	100	25.2	101	200.8
Selenium	7.50	7.48	100	7.50	8.05	107	8.24	110	7742
Silver	12.5	12.4	99	25.0	24.9	100	25.6	102	200.8
Thallium	25.0	24.9	100	25.0	24.9	100	25.7	103	200.8
Zinc	25.0	24.8	99	25.0	25.0	100	25.7	103	200.8

Metals
 - 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Anamar Environmental Consulting **Service Request:** K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

ICV Source: Inorganic Ventures

CCV Source: ALS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony				25.0	25.1	100	24.8	99	200.8
Arsenic				25.0	25.3	101			200.8
Beryllium				25.0	26.4	106			200.8
Cadmium				25.0	25.0	100			200.8
Chromium				25.0	25.2	101			200.8
Copper				25.0	25.6	102			200.8
Lead				25.0	25.0	100			200.8
Nickel				25.0	24.9	100			200.8
Selenium				7.50	7.13	95			7742
Silver				25.0	24.9	100			200.8
Thallium				25.0	25.0	100			200.8
Zinc				25.0	25.3	101			200.8

Metals
- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Anamar Environmental Consulting **Service Request:** K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

ICV Source: Inorganic Ventures

CCV Source: ALS MIXED

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony				25.0	24.5	98			200.8

Metals

- 2b -

CRDL STANDARD FOR AA AND ICP

Client: Anamar Environmental Consulting

Service Request: K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
	True	Found	%R	Initial True	Initial Found	Initial %R	Final Found	Final %R
Antimony				0.05	0.06	120		
Arsenic				5.0	5.15	103		
Beryllium				0.20	0.203	102		
Cadmium				0.200	0.206	103		
Chromium				2.00	1.96	98		
Copper				1.00	1.02	102		
Lead				0.20	0.220	110		
Mercury	0.20	0.21	105					
Nickel				2.00	2.15	108		
Selenium	0.50	0.49	98					
Silver				0.20	0.157	78		
Thallium				0.20	0.20	100		
Zinc				5.00	5.05	101		

Metals

- 3 -

BLANKS

Client: Anamar Environmental Consulting

Service Request: K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method
		C	1	C	2	C	3	C	
Antimony	0.026	J	0.013	J	0.026	J	0.026	J	200.8
Arsenic	0.3	U	0.3	U	0.3	U	0.3	U	200.8
Beryllium	0.007	U	0.007	U	0.007	U	0.007	U	200.8
Cadmium	0.01	U	0.01	J	0.01	J	0.01	U	200.8
Chromium	0.2	U	0.2	U	0.2	U	0.2	U	200.8
Copper	0.03	U	0.03	U	0.03	U	0.03	U	200.8
Lead	0.08	U	0.08	U	0.08	U	0.08	U	200.8
Mercury	0.02	U	0.02	U	0.02	U			7470A
Nickel	0.4	U	0.4	U	0.4	U	0.4	U	200.8
Selenium	0.10	U	0.10	U	0.10	U	0.10	U	7742
Silver	0.03	J	0.02	U	0.02	U	0.02	U	200.8
Thallium	0.04	U	0.04	U	0.04	U	0.04	U	200.8
Zinc	0.5	U	0.5	U	0.5	U	0.5	U	200.8

Metals

- 3 -

BLANKS

Client: Anamar Environmental Consulting

Service Request: K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	Continuing Calibration Blank (ug/L)						Method	
		C	1	C	2	C	3		C
Antimony			0.029	J	0.026	J			200.8

Metals
- 5A -
SPIKE SAMPLE RECOVERY

Client: Anamar Environmental Consulting **Service Request:** K1405572
Project No.: NA **Units:** UG/L
Project Name: Shipyard Creek MPRSA S103 **Basis:** NA
Matrix: WATER

Sample Name: SYC14-ODMDS-SWS

Lab Code: K1405572-001S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Mercury	80 - 120	1.00		0.02	U	1.00	100.0		7470A

An empty field in the Control Limit column indicates the control limit is not applicable

Metals
- 5A -
SPIKE SAMPLE RECOVERY

Client: Anamar Environmental Consulting **Service Request:** K1405572
Project No.: NA **Units:** UG/L
Project Name: Shipyard Creek MPRSA S103 **Basis:** NA
Matrix: WATER

Sample Name: SYC14-ODMDS-SWSD **Lab Code:** K1405572-001SD

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Mercury	80 - 120	0.97		0.02	U	1.00	97.0		7470A

An empty field in the Control Limit column indicates the control limit is not applicable

Metals
- 5A -
SPIKE SAMPLE RECOVERY

Client: Anamar Environmental Consulting **Service Request:** K1405572
Project No.: NA **Units:** UG/L
Project Name: Shipyard Creek MPRSA S103 **Basis:** NA
Matrix: WATER

Sample Name: Batch QC1S

Lab Code: K1405818-002S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Antimony	70 - 130	1020		1.45		1000.00	101.9		200.8
Arsenic		20.7		18.9		2.00	90.0		200.8
Beryllium	50 - 123	1.80		0.006	J	2.00	89.7		200.8
Cadmium	65 - 114	1.80		0.010	J	2.00	89.5		200.8
Chromium	50 - 130	2.20		0.30		2.00	95.0		200.8
Copper	50 - 120	2.03		0.243		2.00	89.4		200.8
Lead	55 - 118	2.06		0.25		2.00	90.5		200.8
Nickel	60 - 126	2.37		0.35		2.00	101.0		200.8
Selenium	75 - 125	16.0		0.20	U	16.00	100.0		7742
Silver	67 - 103	1.70		0.003	J	2.00	84.8		200.8
Thallium	63 - 111	1.73		0.004	U	2.00	86.5		200.8
Zinc	50 - 133	2.5		0.7		2.00	90.0		200.8

An empty field in the Control Limit column indicates the control limit is not applicable

Metals
- 5A -
SPIKE SAMPLE RECOVERY

Client: Anamar Environmental Consulting **Service Request:** K1405572
Project No.: NA **Units:** UG/L
Project Name: Shipyard Creek MPRSA S103 **Basis:** NA
Matrix: WATER

Sample Name: Batch QC1SD

Lab Code: K1405818-002SD

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Antimony	70 - 130	1050		1.45		1000.00	104.9		200.8
Arsenic		19.8		18.9		2.00	45.0		200.8
Beryllium	50 - 123	1.80		0.006	J	2.00	89.7		200.8
Cadmium	65 - 114	1.80		0.010	J	2.00	89.5		200.8
Chromium	50 - 130	2.10		0.30		2.00	90.0		200.8
Copper	50 - 120	1.97		0.243		2.00	86.4		200.8
Lead	55 - 118	1.97		0.25		2.00	86.0		200.8
Nickel	60 - 126	2.38		0.35		2.00	101.5		200.8
Selenium	75 - 125	15.0		0.20	U	16.00	93.8		7742
Silver	67 - 103	1.70		0.003	J	2.00	84.8		200.8
Thallium	63 - 111	1.68		0.004	U	2.00	84.0		200.8
Zinc	50 - 133	2.4		0.7		2.00	85.0		200.8

An empty field in the Control Limit column indicates the control limit is not applicable

Metals

- 5B -

POST SPIKE SAMPLE RECOVERY

Client: Anamar Environmental Consulting **Service Request:** K1405572
Project No.: NA **Units:** UG/L
Project Name: Shipyard Creek MPRSA S103 **Basis:** NA
Matrix: WATER

Sample Name: SYC14-ODMDS-SWA

Lab Code: K1405572-001A

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Mercury	80 - 120	1.01		0.02		1.0	101		7470A

Metals

- 5B -

POST SPIKE SAMPLE RECOVERY

Client: Anamar Environmental Consulting **Service Request:** K1405572
Project No.: NA **Units:** UG/L
Project Name: Shipyard Creek MPRSA S103 **Basis:** NA
Matrix: WATER

Sample Name: Batch QC2A

Lab Code: K1405721-002A

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Selenium	80 - 120	4.88		0.17		5.0	94		7742

Metals
- 6 -
DUPLICATES

Client: Anamar Environmental Consulting **Service Request:** K1405572
Project No.: NA **Units:** UG/L
Project Name: Shipyard Creek MPRSA S103 **Basis:** NA
Matrix: WATER

Sample Name: SYC14-ODMDS-SWD **Lab Code:** K1405572-001D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury		0.02	U	0.02	U			7470A

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals
- 6 -
DUPLICATES

Client: Anamar Environmental Consulting **Service Request:** K1405572
Project No.: NA **Units:** UG/L
Project Name: Shipyard Creek MPRSA S103 **Basis:** NA
Matrix: WATER

Sample Name: SYC14-ODMDS-SWSD **Lab Code:** K1405572-001SD

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	20	1.00		0.97		3.0		7470A

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals
- 6 -
DUPLICATES

Client: Anamar Environmental Consulting **Service Request:** K1405572
Project No.: NA **Units:** UG/L
Project Name: Shipyard Creek MPRSA S103 **Basis:** NA
Matrix: WATER

Sample Name: Batch QC1D

Lab Code: K1405818-002D

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Antimony		1.45		1.63		11.7		200.8
Arsenic	20	18.9		19.6		3.6		200.8
Beryllium		0.006	J	0.007	J	15.4		200.8
Cadmium		0.010	J	0.011	J	9.5		200.8
Chromium		0.30		0.31		3.3		200.8
Copper		0.243		0.251		3.2		200.8
Lead	20	0.25		0.26		3.9		200.8
Nickel		0.35		0.38		8.2		200.8
Selenium		0.20	U	0.20	U			7742
Silver		0.003	J	0.002	U	200.0		200.8
Thallium		0.004	U	0.004	U			200.8
Zinc		0.7		0.6		15.4		200.8

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals
- 6 -
DUPLICATES

Client: Anamar Environmental Consulting **Service Request:** K1405572
Project No.: NA **Units:** UG/L
Project Name: Shipyard Creek MPRSA S103 **Basis:** NA
Matrix: WATER

Sample Name: Batch QC1SD **Lab Code:** K1405818-002SD

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Antimony	20	1020		1050		2.9		200.8
Arsenic	20	20.7		19.8		4.4		200.8
Beryllium	20	1.80		1.80		0.0		200.8
Cadmium	20	1.80		1.80		0.0		200.8
Chromium	20	2.20		2.10		4.7		200.8
Copper	20	2.03		1.97		3.0		200.8
Lead	20	2.06		1.97		4.5		200.8
Nickel	20	2.37		2.38		0.4		200.8
Selenium	20	16.0		15.0		6.5		7742
Silver	20	1.70		1.70		0.0		200.8
Thallium	20	1.73		1.68		2.9		200.8
Zinc	20	2.5		2.4		4.1		200.8

An empty field in the Control Limit column indicates the control limit is not applicable.

Metals

- 7 -

LABORATORY CONTROL SAMPLE

Client: Anamar Environmental Consulting

Service Request: K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

Aqueous LCS Source: ALS MIXED

Solid LCS Source:

Analyte	Aqueous (ug/L)			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Antimony	50	49.1	98.2					
Arsenic	2	2.00	100.0					
Beryllium	2	1.40	70.0					
Cadmium	2	2.00	100.0					
Chromium	2	2.00	100.0					
Copper	2	1.94	97.0					
Lead	2	1.95	97.5					
Mercury	5	4.91	98.2					
Nickel	2	2.03	101.5					
Selenium	10	10.1	101.0					
Silver	2	1.90	95.0					
Thallium	2	1.92	96.0					
Zinc	2	2.2	110.0					

Metals

- 10 -

DETECTION LIMITS

Client: Anamar Environmental Consulting **Service Request:** K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

ICP/ICP-MS ID #:

GFAA ID #: K-FLAA-02

AA ID #:

Analyte	Wave-length (nm)	Back-ground	MRL ug/L	MDL ug/L	M
Selenium	196.0		0.50	0.10	H

Comments:

Metals

- 10 -

DETECTION LIMITS

Client: Anamar Environmental Consulting **Service Request:** K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

ICP/ICP-MS ID #:

GFAA ID #:

AA ID #:

Analyte	Wave-length (nm)	Back-ground	MRL ug/L	MDL ug/L	M
Mercury	253.7		0.20	0.02	CV

Comments:

Metals

- 10 -

DETECTION LIMITS

Client: Anamar Environmental Consulting **Service Request:** K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

ICP/ICP-MS ID #: K-ICP-MS-03

GFAA ID #:

AA ID #:

Analyte	Isotope	Back-ground	MRL ug/L	MDL ug/L	M
Antimony	123		0.050	0.005	MS
Arsenic	75		5.0	0.3	MS
Beryllium	9		0.20	0.007	MS
Cadmium	111		0.20	0.01	MS
Chromium	52		2.0	0.2	MS
Copper	65		1.00	0.03	MS
Lead	208		0.20	0.08	MS
Nickel	60		2.0	0.4	MS
Silver	107		0.20	0.02	MS
Thallium	205		0.20	0.040	MS
Zinc	66		5.0	0.5	MS

Comments:

Metals

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: Anamar Environmental Consulting **Service Request:** K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

ICP ID Number: **K-ICP-MS-03**

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony	15.000	2000	200.8

Comments:

Metals

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: Anamar Environmental Consulting **Service Request:** K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

ICP ID Number: **K-ICP-MS-03**

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic	15.000	2000	200.8
Beryllium	15.000	2000	200.8
Cadmium	15.000	2000	200.8
Chromium	15.000	2000	200.8
Copper	15.000	2000	200.8
Lead	15.000	2000	200.8
Nickel	15.000	2000	200.8
Silver	15.000	900	200.8
Thallium	15.000	2000	200.8
Zinc	15.000	2000	200.8

Comments:

Metals
-13-
PREPARATION LOG

Client: Anamar Environmental Consulting

Service Request: K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

Method: F

Sample ID	Preparation Date	Initial Volume	Final Volume(mL)
K1405572-001	06/17/14	50.0	50.0
K1405572-MB	06/17/14	50.0	50.0
K1405818-002D	06/17/14	50.0	50.0
K1405818-002S	06/17/14	50.0	50.0
K1405818-002SD	06/17/14	50.0	50.0
LCSW	06/17/14	50.0	50.0

Metals
-13-
PREPARATION LOG

Client: Anamar Environmental Consulting

Service Request: K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

Method: CV

Sample ID	Preparation Date	Initial Volume	Final Volume(mL)
K1405572-001	06/05/14	20.0	20.0
K1405572-001D	06/05/14	20.0	20.0
K1405572-001S	06/05/14	20.0	20.0
K1405572-001SD	06/05/14	20.0	20.0
K1405572-MB	06/05/14	20.0	20.0
LCSW	06/05/14	20.0	20.0

Metals
-13-
PREPARATION LOG

Client: Anamar Environmental Consulting

Service Request: K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

Method: MS

Sample ID	Preparation Date	Initial Volume	Final Volume(mL)
K1405572-001	06/16/14	2.5	50.0
K1405572-MB	06/16/14	50.0	50.0
K1405818-002D	06/16/14	2.5	50.0
K1405818-002S	06/16/14	2.5	50.0
K1405818-002SD	06/16/14	2.5	50.0
LCSW	06/16/14	50.0	50.0

Metals
-13-
PREPARATION LOG

Client: Anamar Environmental Consulting

Service Request: K1405572

Project No.: NA

Project Name: Shipyard Creek MPRSA S103

Method: MS

Sample ID	Preparation Date	Initial Volume	Final Volume(mL)
K1405572-001	06/18/14	1,000.0	100.0
K1405572-MB	06/18/14	1,000.0	100.0
K1405818-002D	06/18/14	1,000.0	100.0
K1405818-002S	06/18/14	1,000.0	100.0
K1405818-002SD	06/18/14	1,000.0	100.0
LCSW	06/18/14	1,000.0	100.0

Metals
- 14 -

ANALYSIS RUN LOG

Client: Anamar Environmental Consulting

Service Request: K1405572

Project No.: NA

Run Number: 062014-Set1

Project Name: Shipyard Creek MPRSA S103

Instrument ID Number: K-FLAA-02

Method: H

Start Date: 06/20/14

End Date: 06/20/14

Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N
CAL BLK	1.0	09:09																		X							
STD 0.5	1.0	09:11																		X							
STD 1.0	1.0	09:14																		X							
STD 5.0	1.0	09:16																		X							
STD 7.5	1.0	09:19																		X							
STD 10.0	1.0	09:21																		X							
ICV1	1.0	09:23																		X							
ICB1	1.0	09:26																		X							
CRA1	1.0	09:28																		X							
ZZZZZZ	1.0	09:31																									
CCV1	1.0	09:37																		X							
CCB1	1.0	09:39																		X							
K1405572-MB	2.0	09:41																		X							
LCSW	2.0	09:44																		X							
K1405572-001	2.0	09:46																		X							
ZZZZZZ	2.0	09:48																									
ZZZZZZ	2.0	09:51																									
K1405721-002A	2.0	09:53																		X							
ZZZZZZ	2.0	09:56																									
ZZZZZZ	2.0	09:58																									
ZZZZZZ	2.0	10:00																									
ZZZZZZ	2.0	10:03																									
CCV2	1.0	10:05																		X							
CCB2	1.0	10:08																		X							
ZZZZZZ	2.0	10:10																									
ZZZZZZ	2.0	10:12																									
ZZZZZZ	2.0	10:15																									
ZZZZZZ	2.0	10:17																									
K1405818-002D	2.0	10:19																		X							
K1405818-002S	2.0	10:22																		X							
K1405818-002SD	2.0	10:24																		X							
ZZZZZZ	2.0	10:26																									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
 - 14 -

ANALYSIS RUN LOG

Client: Anamar Environmental Consulting

Service Request: K1405572

Project No.: NA

Run Number: 062014-Set1

Project Name: Shipyard Creek MPRSA S103

Instrument ID Number: K-FLAA-02

Method: H

Start Date: 06/20/14

End Date: 06/20/14

Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N
ZZZZZZ	2.0	10:29																									
ZZZZZZ	1.0	10:31																									
CCV3	1.0	10:34																		X							
CCB3	1.0	10:36																		X							

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals

- 14 -

ANALYSIS RUN LOG

Client: Anamar Environmental Consulting

Service Request: K1405572

Project No.: NA

Run Number: 060614B-HG2

Project Name: Shipyard Creek MPRSA S103

Instrument ID Number: K-CVAA-02

Method: CV

Start Date: 06/06/14

End Date: 06/06/14

Sample No.	D/F	Time	% R	Analytes																								
				A	S	A	B	B	C	C	C	C	F	P	M	M	H	N	K	S	A	N	T	V	Z	C		
				L	B	S	A	E	D	A	R	O	U	E	B	G	N	G	I	E	G	A	L	N	N			
Calibration Blank	1.0	10:54																	X									
Standard #1	1.0	10:56																	X									
Standard #2	1.0	10:57																	X									
Standard #3	1.0	10:59																	X									
Standard #4	1.0	11:01																	X									
Standard #5	1.0	11:02																	X									
ICV1	1.0	11:04																	X									
ICB1	1.0	11:06																	X									
CRA1	1.0	11:07																	X									
CCV1	1.0	11:09																	X									
CCB1	1.0	11:10																	X									
K1405572-MB	1.0	11:12																	X									
LCSW	1.0	11:14																	X									
K1405572-001	1.0	11:15																	X									
K1405572-001A	1.0	11:17																	X									
K1405572-001D	1.0	11:18																	X									
K1405572-001S	1.0	11:20																	X									
K1405572-001SD	1.0	11:22																	X									
ZZZZZZ	1.0	11:23																										
ZZZZZZ	1.0	11:25																										
ZZZZZZ	1.0	11:27																										
CCV2	1.0	11:28																	X									
CCB2	1.0	11:30																	X									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -

ANALYSIS RUN LOG

Client: Anamar Environmental Consulting

Service Request: K1405572

Project No.: NA

Run Number: 061814AMS03

Project Name: Shipyard Creek MPRSA S103

Instrument ID Number: K-ICP-MS-03

Method: MS

Start Date: 06/18/14

End Date: 06/18/14

Sample No.	D/F	Time	% R	Analytes																					
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S G	A A	N L	T V	Z N
Cal. Blk	1.0	06:40			X																				
Cal. Stn	1.0	06:43			X																				
ICV1	1.0	06:46			X																				
CCV1	1.0	06:49			X																				
ICB1	1.0	06:55			X																				
CCB1	1.0	07:00			X																				
CRA1	1.0	07:02			X																				
ZZZZZZ	1.0	07:06																							
ZZZZZZ	1.0	07:08																							
ZZZZZZ	1.0	07:11																							
ZZZZZZ	1.0	07:15																							
ZZZZZZ	1.0	07:17																							
ZZZZZZ	2.0	07:20																							
ZZZZZZ	2.0	07:23																							
ZZZZZZ	10.0	07:26																							
ZZZZZZ	2.0	07:29																							
ZZZZZZ	2.0	07:33																							
ZZZZZZ	2.0	07:36																							
ZZZZZZ	1.0	07:48																							
ZZZZZZ	5.0	07:51																							
CCV2	1.0	07:54			X																				
CCB2	1.0	08:00			X																				
ZZZZZZ	1.0	08:03																							
ZZZZZZ	1.0	08:08																							
ZZZZZZ	1.0	08:12																							
ZZZZZZ	1.0	08:16																							
ZZZZZZ	1.0	08:26																							
ZZZZZZ	1.0	08:28																							
ZZZZZZ	1.0	08:31																							
ZZZZZZ	5.0	08:34																							
ZZZZZZ	1.0	08:37																							
ZZZZZZ	1.0	08:40																							

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals

- 14 -

ANALYSIS RUN LOG

Client: Anamar Environmental Consulting

Service Request: K1405572

Project No.: NA

Run Number: 061814AMS03

Project Name: Shipyard Creek MPRSA S103

Instrument ID Number: K-ICP-MS-03

Method: MS

Start Date: 06/18/14

End Date: 06/18/14

Sample No.	D/F	Time	% R	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S G	A A	N L	T L	V	Z N	C N
ZZZZZZ	1.0	08:43																									
ZZZZZZ	1.0	08:46																									
CCV3	1.0	08:53		X																							
CCB3	1.0	09:00		X																							
ZZZZZZ	1.0	09:03																									
ZZZZZZ	1.0	09:06																									
ZZZZZZ	1.0	09:09																									
ZZZZZZ	1.0	09:12																									
ZZZZZZ	1.0	09:15																									
ZZZZZZ	1.0	09:18																									
K1405572-MB	1.0	09:21		X																							
LCSW	1.0	09:24		X																							
K1405572-001	1.0	09:30		X																							
ZZZZZZ	1.0	09:33																									
CCV4	1.0	09:36		X																							
CCB4	1.0	09:43		X																							
ZZZZZZ	1.0	09:49																									
ZZZZZZ	1.0	09:52																									
K1405818-002D	1.0	09:55		X																							
K1405818-002S	1.0	09:58		X																							
K1405818-002SD	1.0	10:02		X																							
ZZZZZZ	1.0	10:05																									
ZZZZZZ	1.0	10:08																									
ZZZZZZ	1.0	10:11																									
ZZZZZZ	1.0	10:14																									
CCV5	1.0	10:17		X																							
CCB5	1.0	10:24		X																							

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals
- 14 -

ANALYSIS RUN LOG

Client: Anamar Environmental Consulting

Service Request: K1405572

Project No.: NA

Run Number: 061914EMS03

Project Name: Shipyard Creek MPRSA S103

Instrument ID Number: K-ICP-MS-03

Method: MS

Start Date: 06/19/14

End Date: 06/19/14

Sample No.	D/F	Time	% R	Analytes																						
				A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K E	S E	A G	N A	T L	V	Z N
Cal. Blk	1.0	14:20				X		X	X	X	X	X					X		X		X		X			
Cal. Stn.	1.0	14:25				X		X	X	X	X	X					X		X		X		X			
ICV1	1.0	14:29				X		X	X	X	X	X					X		X		X		X			
CCV1	1.0	14:33				X		X	X	X	X	X					X		X		X		X			
ICB1	1.0	14:41				X		X	X	X	X	X					X		X		X		X			
CCB1	1.0	14:46				X		X	X	X	X	X					X		X		X		X			
CRA1	1.0	14:51				X		X	X	X	X	X					X		X		X		X			
ZZZZZZ	1.0	14:55																								
ZZZZZZ	1.0	15:00																								
K1405572-MB	1.0	15:06				X		X	X	X	X	X					X		X		X		X			
LCSW	1.0	15:11				X		X	X	X	X	X					X		X		X		X			
ZZZZZZ	1.0	15:18																								
K1405818-002D	1.0	15:23				X		X	X	X	X	X					X		X		X		X			
ZZZZZZ	5.0	15:27																								
ZZZZZZ	1.0	15:31																								
K1405818-002S	1.0	15:38				X		X	X	X	X	X					X		X		X		X			
K1405818-002SD	1.0	15:44				X		X	X	X	X	X					X		X		X		X			
CCV2	1.0	15:51				X		X	X	X	X	X					X		X		X		X			
CCB2	1.0	15:58				X		X	X	X	X	X					X		X		X		X			
ZZZZZZ	1.0	16:03																								
ZZZZZZ	1.0	16:07																								
ZZZZZZ	1.0	16:12																								
ZZZZZZ	1.0	16:17																								
K1405572-001	1.0	16:21				X		X	X	X	X	X					X		X		X		X			
ZZZZZZ	1.0	16:25																								
ZZZZZZ	1.0	16:29																								
ZZZZZZ	1.0	16:33																								
ZZZZZZ	1.0	16:38																								
ZZZZZZ	1.0	16:42																								
ZZZZZZ	1.0	16:46																								
CCV3	1.0	16:50				X		X	X	X	X	X					X		X		X		X			
CCB3	1.0	16:56				X		X	X	X	X	X					X		X		X		X			

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: ALS Group USA, Corp. Contract: _____

Lab Code: ALSK Case No.: _____ NRAS No.: _____ SDG NO.: K1405572

ICP-MS Instrument ID: K-ICP-MS-03 Start Date: 06/18/2014 End Date: 06/18/2014

Sample No.	Client ID	Time	Internal Standards %RI For:											
			Element Ga 71	Q	Element Rh 103	Q	Element In 115	Q	Element Lu 175	Q	Element Th 232	Q		
Cal. Blk	Cal. Blk	0640	100		100		100		100					
Cal. Stn	Cal. Stn	0643	100		100		100		101					
ICV1	ICV1	0646	102		102		103		104					
CCV1	CCV1	0649	103		104		104		103					
ICB1	ICB1	0655	99		100		100		101					
CCB1	CCB1	0700	100		100		100		101					
CRA1	LLICVW	0702	100		101		101		101					
ZZZZZZ	ZZZZZZ	0706												
ZZZZZZ	ZZZZZZ	0708												
ZZZZZZ	ZZZZZZ	0711												
ZZZZZZ	ZZZZZZ	0715												
ZZZZZZ	ZZZZZZ	0717												
ZZZZZZ	ZZZZZZ	0720												
ZZZZZZ	ZZZZZZ	0723												
ZZZZZZ	ZZZZZZ	0726												
ZZZZZZ	ZZZZZZ	0729												
ZZZZZZ	ZZZZZZ	0733												
ZZZZZZ	ZZZZZZ	0736												
ZZZZZZ	ZZZZZZ	0748												
ZZZZZZ	ZZZZZZ	0751												
CCV2	CCV2	0754	96		96		97		98					
CCB2	CCB2	0800	92		92		93		95					
ZZZZZZ	ZZZZZZ	0803												
ZZZZZZ	ZZZZZZ	0808												
ZZZZZZ	ZZZZZZ	0812												
ZZZZZZ	ZZZZZZ	0816												
ZZZZZZ	ZZZZZZ	0826												
ZZZZZZ	ZZZZZZ	0828												
ZZZZZZ	ZZZZZZ	0831												
ZZZZZZ	ZZZZZZ	0834												
ZZZZZZ	ZZZZZZ	0837												
ZZZZZZ	ZZZZZZ	0840												
ZZZZZZ	ZZZZZZ	0843												
ZZZZZZ	ZZZZZZ	0846												
CCV3	CCV3	0853	99		99		99		98					
CCB3	CCB3	0900	99		100		100		99					
ZZZZZZ	ZZZZZZ	0903												
ZZZZZZ	ZZZZZZ	0906												
ZZZZZZ	ZZZZZZ	0909												
ZZZZZZ	ZZZZZZ	0912												
ZZZZZZ	ZZZZZZ	0915												
ZZZZZZ	ZZZZZZ	0918												
K1405572-MB	Method Blank	0921	108		111		111		105					
LCSW	LCSW	0924	108		110		111		108					

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: ALS Group USA, Corp. Contract: _____
 Lab Code: ALSK Case No.: _____ NRAS No.: _____ SDG NO.: K1405572
 ICP-MS Instrument ID: K-ICP-MS-03 Start Date: 06/18/2014 End Date: 06/18/2014

Sample No.	Client ID	Time	Internal Standards %RI For:											
			Element Ga 71	Q	Element Rh 103	Q	Element In 115	Q	Element Lu 175	Q	Element Th 232	Q		
K1405572-001	SYC14-ODMDS-SW	0930	93		91		97		97					
ZZZZZZ	ZZZZZZ	0933												
CCV4	CCV4	0936	110		113		113		107					
CCB4	CCB4	0943	103		105		105		101					
ZZZZZZ	ZZZZZZ	0949												
ZZZZZZ	ZZZZZZ	0952												
K1405818-002D	Batch QC1D	0955	96		95		100		100					
K1405818-002S	Batch QC1S	0958	98		97		102		102					
K1405818-002SD	Batch QC1SD	1002	94		94		98		98					
ZZZZZZ	ZZZZZZ	1005												
ZZZZZZ	ZZZZZZ	1008												
ZZZZZZ	ZZZZZZ	1011												
ZZZZZZ	ZZZZZZ	1014												
CCV5	CCV5	1017	109		113		113		109					
CCB5	CCB5	1024	102		105		106		103					

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: ALS Group USA, Corp. Contract: _____

Lab Code: ALSK Case No.: _____ NRAS No.: _____ SDG NO.: K1405572

ICP-MS Instrument ID: K-ICP-MS-03 Start Date: 06/19/2014 End Date: 06/19/2014

Sample No.	Client ID	Time	Internal Standards %RI For:											
			Element Li 6	Q	Element Ga 71	Q	Element In 115	Q	Element Lu 175	Q	Element	Q		
Cal. Blk	Cal. Blk	1420	100		100		100		100					
Cal. Stn.	Cal. Stn.	1425	99		97		98		100					
ICV1	ICV1	1429	98		95		96		101					
CCV1	CCV1	1433	97		93		95		99					
ICB1	ICB1	1441	95		92		93		97					
CCB1	CCB1	1446	96		93		94		98					
CRA1	LLICV1	1451	96		91		92		96					
ZZZZZZ	ZZZZZZ	1455												
ZZZZZZ	ZZZZZZ	1500												
K1405572-MB	Method Blank	1506	92		93		95		98					
LCSW	LCSW	1511	92		91		93		98					
ZZZZZZ	ZZZZZZ	1518												
K1405818-002D	Batch QC1D	1523	86		89		90		95					
ZZZZZZ	ZZZZZZ	1527												
ZZZZZZ	ZZZZZZ	1531												
K1405818-002S	Batch QC1S	1538	86		87		88		93					
K1405818-002SD	Batch QC1SD	1544	87		87		88		93					
CCV2	CCV2	1551	92		88		90		94					
CCB2	CCB2	1558	93		87		89		93					
ZZZZZZ	ZZZZZZ	1603												
ZZZZZZ	ZZZZZZ	1607												
ZZZZZZ	ZZZZZZ	1612												
ZZZZZZ	ZZZZZZ	1617												
K1405572-001	SYC14-ODMDS-SW	1621	89		82		83		88					
ZZZZZZ	ZZZZZZ	1625												
ZZZZZZ	ZZZZZZ	1629												
ZZZZZZ	ZZZZZZ	1633												
ZZZZZZ	ZZZZZZ	1638												
ZZZZZZ	ZZZZZZ	1642												
ZZZZZZ	ZZZZZZ	1646												
CCV3	CCV3	1650	93		83		86		89					
CCB3	CCB3	1656	93		83		84		88					



Organochlorine Pesticides

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572

**Cover Page - Organic Analysis Data Package
Organochlorine Pesticides**

Sample Name	Lab Code	Date Collected	Date Received
SYC14-ODMDS-SW	K1405572-001	06/03/2014	06/04/2014

Analytical Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request: K1405572
Date Collected: 06/03/2014
Date Received: 06/04/2014

Organochlorine Pesticides

Sample Name: SYC14-ODMDS-SW
Lab Code: K1405572-001
Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	0.011	0.00041	1	06/09/14	06/11/14	KWG1405470	
Chlordane	ND	U	0.21	0.023	1	06/09/14	06/11/14	KWG1405470	
alpha-Chlordane	ND	U	0.011	0.0041	1	06/09/14	06/11/14	KWG1405470	
gamma-Chlordane†	ND	U	0.011	0.00033	1	06/09/14	06/11/14	KWG1405470	
Oxychlordane	ND	U	0.011	0.0011	1	06/09/14	06/11/14	KWG1405470	
cis-Nonachlor	ND	U	0.011	0.00062	1	06/09/14	06/11/14	KWG1405470	
trans-Nonachlor	ND	U	0.011	0.00094	1	06/09/14	06/11/14	KWG1405470	
2,4'-DDD	ND	U	0.011	0.00059	1	06/09/14	06/11/14	KWG1405470	
4,4'-DDD	ND	U	0.011	0.0016	1	06/09/14	06/11/14	KWG1405470	
2,4'-DDE	ND	U	0.011	0.00052	1	06/09/14	06/11/14	KWG1405470	
4,4'-DDE	0.00058	J	0.011	0.00037	1	06/09/14	06/11/14	KWG1405470	
2,4'-DDT	ND	U	0.011	0.00061	1	06/09/14	06/11/14	KWG1405470	
4,4'-DDT	ND	U	0.011	0.00060	1	06/09/14	06/11/14	KWG1405470	
Dieldrin	ND	U	0.011	0.00036	1	06/09/14	06/11/14	KWG1405470	
Endosulfan I	ND	U	0.011	0.00045	1	06/09/14	06/11/14	KWG1405470	
Endosulfan II	0.00079	JP	0.011	0.00041	1	06/09/14	06/11/14	KWG1405470	
Endrin	ND	U	0.011	0.00070	1	06/09/14	06/11/14	KWG1405470	
Endrin Aldehyde	ND	U	0.011	0.00047	1	06/09/14	06/11/14	KWG1405470	
Endrin Ketone	ND	U	0.011	0.00068	1	06/09/14	06/11/14	KWG1405470	
Heptachlor	ND	U	0.011	0.00037	1	06/09/14	06/11/14	KWG1405470	
Heptachlor Epoxide	ND	U	0.011	0.00033	1	06/09/14	06/11/14	KWG1405470	
alpha-BHC	ND	U	0.011	0.00034	1	06/09/14	06/11/14	KWG1405470	
beta-BHC	ND	U	0.011	0.00085	1	06/09/14	06/11/14	KWG1405470	
delta-BHC	ND	U	0.011	0.00059	1	06/09/14	06/11/14	KWG1405470	
gamma-BHC (Lindane)	ND	U	0.011	0.00045	1	06/09/14	06/11/14	KWG1405470	
Methoxychlor	ND	Ui	0.011	0.0013	1	06/09/14	06/11/14	KWG1405470	
Mirex	ND	U	0.011	0.00083	1	06/09/14	06/11/14	KWG1405470	
Toxaphene	ND	Ui	0.52	0.057	1	06/09/14	06/11/14	KWG1405470	

Comments: _____

Analytical Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request: K1405572
Date Collected: 06/03/2014
Date Received: 06/04/2014

Organochlorine Pesticides

Sample Name: SYC14-ODMDS-SW
Lab Code: K1405572-001

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	76	20-106	06/11/14	Acceptable
Decachlorobiphenyl	86	19-127	06/11/14	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments: _____

Analytical Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request: K1405572
Date Collected: NA
Date Received: NA

Organochlorine Pesticides

Sample Name: Method Blank
Lab Code: KWG1405470-9
Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aldrin	ND	U	0.010	0.00040	1	06/09/14	06/12/14	KWG1405470	
Chlordane	ND	U	0.20	0.022	1	06/09/14	06/12/14	KWG1405470	
alpha-Chlordane	ND	U	0.010	0.0040	1	06/09/14	06/12/14	KWG1405470	
gamma-Chlordane†	ND	U	0.010	0.00032	1	06/09/14	06/12/14	KWG1405470	
Oxychlordane	ND	U	0.010	0.0010	1	06/09/14	06/12/14	KWG1405470	
cis-Nonachlor	ND	U	0.010	0.00060	1	06/09/14	06/12/14	KWG1405470	
trans-Nonachlor	ND	U	0.010	0.00092	1	06/09/14	06/12/14	KWG1405470	
2,4'-DDD	ND	U	0.010	0.00057	1	06/09/14	06/12/14	KWG1405470	
4,4'-DDD	ND	U	0.010	0.0015	1	06/09/14	06/12/14	KWG1405470	
2,4'-DDE	ND	U	0.010	0.00050	1	06/09/14	06/12/14	KWG1405470	
4,4'-DDE	ND	U	0.010	0.00036	1	06/09/14	06/12/14	KWG1405470	
2,4'-DDT	ND	U	0.010	0.00059	1	06/09/14	06/12/14	KWG1405470	
4,4'-DDT	ND	U	0.010	0.00058	1	06/09/14	06/12/14	KWG1405470	
Dieldrin	ND	U	0.010	0.00035	1	06/09/14	06/12/14	KWG1405470	
Endosulfan I	ND	U	0.010	0.00044	1	06/09/14	06/12/14	KWG1405470	
Endosulfan II	ND	U	0.010	0.00040	1	06/09/14	06/12/14	KWG1405470	
Endrin	ND	U	0.010	0.00068	1	06/09/14	06/12/14	KWG1405470	
Endrin Aldehyde	ND	U	0.010	0.00046	1	06/09/14	06/12/14	KWG1405470	
Endrin Ketone	ND	U	0.010	0.00066	1	06/09/14	06/12/14	KWG1405470	
Heptachlor	ND	U	0.010	0.00036	1	06/09/14	06/12/14	KWG1405470	
Heptachlor Epoxide	ND	U	0.010	0.00032	1	06/09/14	06/12/14	KWG1405470	
alpha-BHC	ND	U	0.010	0.00033	1	06/09/14	06/12/14	KWG1405470	
beta-BHC	ND	U	0.010	0.00083	1	06/09/14	06/12/14	KWG1405470	
delta-BHC	ND	U	0.010	0.00057	1	06/09/14	06/12/14	KWG1405470	
gamma-BHC (Lindane)	ND	U	0.010	0.00044	1	06/09/14	06/12/14	KWG1405470	
Methoxychlor	ND	U	0.010	0.00093	1	06/09/14	06/12/14	KWG1405470	
Mirex	ND	U	0.010	0.00081	1	06/09/14	06/12/14	KWG1405470	
Toxaphene	ND	U	0.50	0.051	1	06/09/14	06/12/14	KWG1405470	

Comments: _____

Analytical Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request: K1405572
Date Collected: NA
Date Received: NA

Organochlorine Pesticides

Sample Name: Method Blank
Lab Code: KWG1405470-9

Units: ug/L
Basis: NA

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Tetrachloro-m-xylene	74	20-106	06/12/14	Acceptable
Decachlorobiphenyl	81	19-127	06/12/14	Acceptable

† Analyte Comments

gamma-Chlordane For this analyte (CAS Registry No. 5103-74-2), USEPA has corrected the name to be beta-Chlordane, also known as trans-Chlordane.

Comments: _____

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request: K1405572

**Surrogate Recovery Summary
 Organochlorine Pesticides**

Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: Percent
Level: Low

<u>Sample Name</u>	<u>Lab Code</u>	<u>Sur1</u>	<u>Sur2</u>
SYC14-ODMDS-SW	K1405572-001	76	86
Method Blank	KWG1405470-9	74	81
Lab Control Sample	KWG1405470-1	69	79
Duplicate Lab Control Sample	KWG1405470-2	71	77

Surrogate Recovery Control Limits (%)

Sur1 = Tetrachloro-m-xylene	20-106
Sur2 = Decachlorobiphenyl	19-127

Results flagged with an asterisk (*) indicate values outside control criteria.
 Results flagged with a pound (#) indicate the control criteria is not applicable.

QA/QC Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Date Analyzed: 06/11/2014
Time Analyzed: 17:13

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID: J:\GC23\DATA\061114\0611F073.D
Instrument ID: GC23
Analysis Method: 8081B

Lab Code: KWG1405590-3
Analysis Lot: KWG1405590
Column : DB XLB

	1-Bromo-2-nitrobenzene	
	<u>Area</u>	<u>RT</u>
ICAL Average ==>	1,827,328	6.16
Upper Limit ==>	3,654,656	6.66
Lower Limit ==>	913,664	5.66

Associated Analyses

Continuing Calibration Verification	CCV	KWG1405590-3	2,197,519 6.06
SYC14-ODMDS-SW		K1405572-001	2,013,357 6.06
Lab Control Sample		KWG1405470-1	2,189,573 6.06
Duplicate Lab Control Sample		KWG1405470-2	2,246,233 6.05
Lab Control Sample		KWG1405470-1	2,142,775 6.06
Duplicate Lab Control Sample		KWG1405470-2	2,234,875 6.06
Method Blank		KWG1405470-9	2,105,998 6.05

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Date Analyzed: 06/11/2014
Time Analyzed: 17:13

**Internal Standard Area and RT Summary
 Organochlorine Pesticides**

File ID: J:\GC23\DATA\061114\0611F073.D\0611F073C.D
Instrument ID: GC23
Analysis Method: 8081B

Lab Code: KWG1405590-3
Analysis Lot: KWG1405590
Column : DB-35MS

	1-Bromo-2-nitrobenzene	
	<u>Area</u>	<u>RT</u>
ICAL Average ==>	703,371	5.56
Upper Limit ==>	1,406,741	6.06
Lower Limit ==>	351,685	5.06

Associated Analyses

		<u>Area</u>	<u>RT</u>
Continuing Calibration Verification	CCV KWG1405590-3	872,871	5.48
SYC14-ODMDS-SW	K1405572-001	834,307	5.48
Lab Control Sample	KWG1405470-1	874,271	5.48
Duplicate Lab Control Sample	KWG1405470-2	901,185	5.48
Lab Control Sample	KWG1405470-1	832,409	5.48
Duplicate Lab Control Sample	KWG1405470-2	867,889	5.48
Method Blank	KWG1405470-9	834,221	5.47

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Date Analyzed: 06/11/2014
Time Analyzed: 17:43

**Internal Standard Area and RT Summary
 Organochlorine Pesticides**

File ID: J:\GC23\DATA\061114\0611F074.D
Instrument ID: GC23
Analysis Method: 8081B

Lab Code: KWG1405590-3
Analysis Lot: KWG1405590
Column : DB XLB

1-Bromo-2-nitrobenzene {2}

	<u>Area</u>	<u>RT</u>
ICAL Average ==>	1,718,923	5.92
Upper Limit ==>	3,437,846	6.42
Lower Limit ==>	859,462	5.42

Associated Analyses

Continuing Calibration Verification	CCV	KWG1405590-3	2,302,016 6.06
SYC14-ODMDS-SW		K1405572-001	2,013,357 6.06
Lab Control Sample		KWG1405470-1	2,171,006 6.05
Duplicate Lab Control Sample		KWG1405470-2	2,137,086 6.06
Method Blank		KWG1405470-9	2,105,998 6.05

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Date Analyzed: 06/11/2014
Time Analyzed: 17:43

**Internal Standard Area and RT Summary
 Organochlorine Pesticides**

File ID: J:\GC23\DATA\061114\0611F074.D\0611F074C.D
Instrument ID: GC23
Analysis Method: 8081B

Lab Code: KWG1405590-3
Analysis Lot: KWG1405590
Column : DB-35MS

1-Bromo-2-nitrobenzene {2}

	<u>Area</u>	<u>RT</u>
ICAL Average ==>	635,268	5.39
Upper Limit ==>	1,270,536	5.89
Lower Limit ==>	317,634	4.89

Associated Analyses

Continuing Calibration Verification	CCV	KWG1405590-3	909,614	5.48
SYC14-ODMDS-SW		K1405572-001	834,307	5.48
Lab Control Sample		KWG1405470-1	849,951	5.47
Duplicate Lab Control Sample		KWG1405470-2	841,897	5.48
Method Blank		KWG1405470-9	834,221	5.47

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Date Analyzed: 06/11/2014
Time Analyzed: 18:12

**Internal Standard Area and RT Summary
 Organochlorine Pesticides**

File ID: J:\GC23\DATA\061114\0611F075.D
Instrument ID: GC23
Analysis Method: 8081B

Lab Code: KWG1405590-3
Analysis Lot: KWG1405590
Column : DB XLB

1-Bromo-2-nitrobenzene {3}

	<u>Area</u>	<u>RT</u>
ICAL Average ==>	1,745,160	6.00
Upper Limit ==>	3,490,320	6.50
Lower Limit ==>	872,580	5.50

Associated Analyses

Continuing Calibration Verification	CCV KWG1405590-3	2,078,420	6.06
SYC14-ODMDS-SW	K1405572-001	2,013,357	6.06
Lab Control Sample	KWG1405470-1	2,171,006	6.05
Duplicate Lab Control Sample	KWG1405470-2	2,137,086	6.06
Method Blank	KWG1405470-9	2,105,998	6.05

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Date Analyzed: 06/11/2014
Time Analyzed: 18:12

Internal Standard Area and RT Summary
Organochlorine Pesticides

File ID: J:\GC23\DATA\061114\0611F075.D\0611F075C.D
Instrument ID: GC23
Analysis Method: 8081B

Lab Code: KWG1405590-3
Analysis Lot: KWG1405590
Column : DB-35MS

1-Bromo-2-nitrobenzene {3}

	<u>Area</u>	<u>RT</u>
ICAL Average ==>	643,983	5.44
Upper Limit ==>	1,287,966	5.94
Lower Limit ==>	321,992	4.94

Associated Analyses

Continuing Calibration Verification	CCV	KWG1405590-3	822,551	5.48
SYC14-ODMDS-SW		K1405572-001	834,307	5.48
Lab Control Sample		KWG1405470-1	849,951	5.47
Duplicate Lab Control Sample		KWG1405470-2	841,897	5.48
Method Blank		KWG1405470-9	834,221	5.47

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Date Analyzed: 06/11/2014
Time Analyzed: 18:42

**Internal Standard Area and RT Summary
 Organochlorine Pesticides**

File ID: J:\GC23\DATA\061114\0611F076.D
Instrument ID: GC23
Analysis Method: 8081B

Lab Code: KWG1405590-3
Analysis Lot: KWG1405590
Column : DB XLB

1-Bromo-2-nitrobenzene {4}

	<u>Area</u>	<u>RT</u>
ICAL Average ==>	1,647,413	5.92
Upper Limit ==>	3,294,826	6.42
Lower Limit ==>	823,707	5.42

Associated Analyses

Continuing Calibration Verification	CCV	KWG1405590-3	2,075,402 6.06
SYC14-ODMDS-SW		K1405572-001	2,013,357 6.06
Lab Control Sample		KWG1405470-1	2,189,573 6.06
Duplicate Lab Control Sample		KWG1405470-2	2,246,233 6.05
Method Blank		KWG1405470-9	2,105,998 6.05

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Date Analyzed: 06/11/2014
Time Analyzed: 18:42

**Internal Standard Area and RT Summary
 Organochlorine Pesticides**

File ID: J:\GC23\DATA\061114\0611F076.D\0611F076C.D
Instrument ID: GC23
Analysis Method: 8081B

Lab Code: KWG1405590-3
Analysis Lot: KWG1405590
Column : DB-35MS

1-Bromo-2-nitrobenzene {4}

	<u>Area</u>	<u>RT</u>
ICAL Average ==>	612,378	5.39
Upper Limit ==>	1,224,756	5.89
Lower Limit ==>	306,189	4.89

Associated Analyses

Continuing Calibration Verification	CCV	KWG1405590-3	824,821	5.48
SYC14-ODMDS-SW		K1405572-001	834,307	5.48
Lab Control Sample		KWG1405470-1	874,271	5.48
Duplicate Lab Control Sample		KWG1405470-2	901,185	5.48
Method Blank		KWG1405470-9	834,221	5.47

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request: K1405572
Date Extracted: 06/09/2014
Date Analyzed: 06/11/2014

Lab Control Spike/Duplicate Lab Control Spike Summary
Organochlorine Pesticides

Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low
Extraction Lot: KWG1405470

Analyte Name	Lab Control Sample KWG1405470-1 Lab Control Spike			Duplicate Lab Control Sample KWG1405470-2 Duplicate Lab Control Spike			%Rec Limits	RPD	RPD Limit
	Result	Spike Amount	%Rec	Result	Spike Amount	%Rec			
Aldrin	0.128	0.200	64	0.120	0.200	60	10-102	6	30
Chlordane	0.900	1.00	90	0.924	1.00	92	45-148	3	30
alpha-Chlordane	0.143	0.200	71	0.138	0.200	69	45-115	4	30
gamma-Chlordane	0.143	0.200	72	0.138	0.200	69	47-113	4	30
Oxychlordane	0.139	0.200	70	0.135	0.200	67	40-126	3	30
cis-Nonachlor	0.144	0.200	72	0.140	0.200	70	42-125	3	30
trans-Nonachlor	0.138	0.200	69	0.133	0.200	67	47-123	3	30
2,4'-DDD	0.160	0.200	80	0.151	0.200	76	51-112	5	30
4,4'-DDD	0.156	0.200	78	0.150	0.200	75	33-132	4	30
2,4'-DDE	0.162	0.200	81	0.151	0.200	75	29-126	7	30
4,4'-DDE	0.152	0.200	76	0.145	0.200	73	41-116	5	30
2,4'-DDT	0.171	0.200	85	0.159	0.200	80	51-117	7	30
4,4'-DDT	0.166	0.200	83	0.160	0.200	80	42-143	4	30
Dieldrin	0.147	0.200	74	0.144	0.200	72	50-115	2	30
Endosulfan I	0.128	0.200	64	0.126	0.200	63	35-115	2	30
Endosulfan II	0.138	0.200	69	0.137	0.200	68	28-128	1	30
Endrin	0.162	0.200	81	0.157	0.200	79	48-126	3	30
Endrin Aldehyde	0.161	0.200	80	0.166	0.200	83	27-104	3	30
Endrin Ketone	0.154	0.200	77	0.154	0.200	77	30-124	0	30
Heptachlor	0.147	0.200	74	0.140	0.200	70	40-115	5	30
Heptachlor Epoxide	0.144	0.200	72	0.142	0.200	71	49-109	1	30
alpha-BHC	0.156	0.200	78	0.157	0.200	78	36-122	0	30
beta-BHC	0.152	0.200	76	0.152	0.200	76	42-125	0	30
delta-BHC	0.168	0.200	84	0.167	0.200	83	48-123	1	30
gamma-BHC (Lindane)	0.153	0.200	77	0.155	0.200	77	44-117	1	30
Methoxychlor	0.181	0.200	90	0.176	0.200	88	43-143	2	30
Mirex	0.144	0.200	72	0.140	0.200	70	43-126	2	30
Toxaphene	0.940	1.00	94	0.970	1.00	97	36-137	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

QA/QC Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request: K1405572
Date Extracted: 06/09/2014
Date Analyzed: 06/12/2014
Time Analyzed: 00:07

Method Blank Summary
Organochlorine Pesticides

Sample Name: Method Blank **Instrument ID:** GC23
Lab Code: KWG1405470-9 **File ID:** J:\GC23\DATA\061114\0611F087.D
Extraction Method: EPA 3535A **Level:** Low
Analysis Method: 8081B **Extraction Lot:** KWG1405470

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
SYC14-ODMDS-SW	K1405572-001	J:\GC23\DATA\061114\0611F078.D	06/11/14	19:41
Lab Control Sample	KWG1405470-1	J:\GC23\DATA\061114\0611F081.D	06/11/14	21:10
Duplicate Lab Control Sample	KWG1405470-2	J:\GC23\DATA\061114\0611F082.D	06/11/14	21:39
Lab Control Sample	KWG1405470-1	J:\GC23\DATA\061114\0611F083.D	06/11/14	22:08
Duplicate Lab Control Sample	KWG1405470-2	J:\GC23\DATA\061114\0611F084.D	06/11/14	22:38
Lab Control Sample	KWG1405470-1	J:\GC23\DATA\061114\0611F085.D	06/11/14	23:07
Duplicate Lab Control Sample	KWG1405470-2	J:\GC23\DATA\061114\0611F086.D	06/11/14	23:37

QA/QC Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request: K1405572
Date Extracted: 06/09/2014
Date Analyzed: 06/11/2014
Time Analyzed: 21:10

Lab Control Sample Summary
Organochlorine Pesticides

Sample Name: Lab Control Sample
Lab Code: KWG1405470-1
Extraction Method: EPA 3535A
Analysis Method: 8081B

Instrument ID: GC23
File ID: J:\GC23\DATA\061114\0611F081.D
Level: Low
Extraction Lot: KWG1405470

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
SYC14-ODMDS-SW	K1405572-001	J:\GC23\DATA\061114\0611F078.D	06/11/14	19:41
Method Blank	KWG1405470-9	J:\GC23\DATA\061114\0611F087.D	06/12/14	00:07

QA/QC Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request: K1405572
Date Extracted: 06/09/2014
Date Analyzed: 06/11/2014
Time Analyzed: 22:08

Lab Control Sample Summary
Organochlorine Pesticides

Sample Name: Lab Control Sample
Lab Code: KWG1405470-1
Extraction Method: EPA 3535A
Analysis Method: 8081B

Instrument ID: GC23
File ID: J:\GC23\DATA\061114\0611F083.D
Level: Low
Extraction Lot: KWG1405470

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
SYC14-ODMDS-SW	K1405572-001	J:\GC23\DATA\061114\0611F078.D	06/11/14	19:41
Method Blank	KWG1405470-9	J:\GC23\DATA\061114\0611F087.D	06/12/14	00:07

QA/QC Report

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request: K1405572
Date Extracted: 06/09/2014
Date Analyzed: 06/11/2014
Time Analyzed: 23:07

Lab Control Sample Summary
Organochlorine Pesticides

Sample Name: Lab Control Sample
Lab Code: KWG1405470-1
Extraction Method: EPA 3535A
Analysis Method: 8081B

Instrument ID: GC23
File ID: J:\GC23\DATA\061114\0611F085.D
Level: Low
Extraction Lot: KWG1405470

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
SYC14-ODMDS-SW	K1405572-001	J:\GC23\DATA\061114\0611F078.D	06/11/14	19:41
Method Blank	KWG1405470-9	J:\GC23\DATA\061114\0611F087.D	06/12/14	00:07

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Calibration Date: 03/17/2014

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL13214
Instrument ID: GC23

Column: DB XLB

Level ID	File ID	Level ID	File ID
A	J:\GC23\DATA\031714ICAL\0317F012.D	N	J:\GC23\DATA\031714ICAL\0317F029.D
B	J:\GC23\DATA\031714ICAL\0317F013.D	O	J:\GC23\DATA\031714ICAL\0317F030.D
C	J:\GC23\DATA\031714ICAL\0317F014.D	P	J:\GC23\DATA\031714ICAL\0317F031.D
D	J:\GC23\DATA\031714ICAL\0317F015.D	Q	J:\GC23\DATA\031814C\0318F005.D
E	J:\GC23\DATA\031714ICAL\0317F016.D	R	J:\GC23\DATA\031814C\0318F006.D
F	J:\GC23\DATA\031714ICAL\0317F017.D	S	J:\GC23\DATA\031814C\0318F007.D
G	J:\GC23\DATA\031714ICAL\0317F020.D	T	J:\GC23\DATA\031814C\0318F008.D
H	J:\GC23\DATA\031714ICAL\0317F021.D	U	J:\GC23\DATA\031814C\0318F009.D
I	J:\GC23\DATA\031714ICAL\0317F023.D	V	J:\GC23\DATA\031814C\0318F010.D
J	J:\GC23\DATA\031714ICAL\0317F024.D	W	J:\GC23\DATA\031714ICAL\0319FX05.D
K	J:\GC23\DATA\031714ICAL\0317F026.D	X	J:\GC23\DATA\031714ICAL\0319FX06.D
L	J:\GC23\DATA\031714ICAL\0317F027.D		
M	J:\GC23\DATA\031714ICAL\0317F028.D		

Analyte Name	Level			Level			Level			Level			Level		
	ID	Amt	RRF	ID	Amt	RRF	ID	Amt	RRF	ID	Amt	RRF	ID	Amt	RRF
Tetrachloro-m-xylene				Q	2.0	1.76	R	5.0	1.39	S	20	1.25	T	50	1.16
	U	100	1.20	V	200	1.19									
Decachlorobiphenyl				Q	2.0	1.48	R	5.0	1.26	S	20	1.17	T	50	1.05
	U	100	1.03	V	200	0.957									
Aldrin				Q	2.0	1.70	R	5.0	1.40	S	20	1.32	T	50	1.29
	U	100	1.36	V	200	1.36									
Chlordane {1}				G	25	0.0534	H	50	0.0485	I	500	0.0406	J	1000	0.0397
							W	100	0.0453	X	2000	0.0384			
Chlordane {2}				G	25	0.0782	H	50	0.0696	I	500	0.0601	J	1000	0.0623
							W	100	0.0713	X	2000	0.0666			

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Calibration Date: 03/17/2014

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL13214
Instrument ID: GC23

Column: DB XLB

Analyte Name	Level			Level			Level			Level					
	ID	Amt	RRF	ID	Amt	RRF	ID	Amt	RRF	ID	Amt	RRF			
Chlordane {3}				G	25	0.0566	H	50	0.0523	I	500	0.0413	J	1000	0.0401
							W	100	0.0473	X	2000	0.0373			
Chlordane {4}				G	25	0.175	H	50	0.162	I	500	0.144	J	1000	0.151
							W	100	0.152	X	2000	0.155			
Chlordane {5}				G	25	0.137	H	50	0.123	I	500	0.105	J	1000	0.106
							W	100	0.113	X	2000	0.109			
Chlordane {6}				G	25	0.103	H	50	0.0927	I	500	0.0749	J	1000	0.0743
							W	100	0.0823	X	2000	0.0764			
alpha-Chlordane				Q	2.0	1.65	R	5.0	1.34	S	20	1.22	T	50	1.19
	U	100	1.18	V	200	1.18									
gamma-Chlordane				Q	2.0	1.67	R	5.0	1.34	S	20	1.23	T	50	1.21
	U	100	1.20	V	200	1.22									
Oxychlordane				K	2.0	1.28	L	5.0	1.18	M	20	1.04	N	50	0.988
	P	100	0.953										O	75	0.964
cis-Nonachlor				K	2.0	1.48	L	5.0	1.36	M	20	1.25	N	50	1.20
	P	100	1.21										O	75	1.20

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Calibration Date: 03/17/2014

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL13214
Instrument ID: GC23

Column: DB XLB

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
trans-Nonachlor	K	2.0	1.53	L	5.0	1.40	M	20	1.25	N	50	1.17	O	75	1.16
	P	100	1.16												
2,4'-DDD				Q	2.0	0.924	R	5.0	0.796	S	20	0.742	T	50	0.684
				V	200	0.657									
4,4'-DDD				Q	2.0	1.27	R	5.0	0.990	S	20	0.960	T	50	0.993
	U	100	0.951	V	200	1.00									
2,4'-DDE				Q	2.0	0.964	R	5.0	0.917	S	20	0.801	T	50	0.759
				V	200	0.739									
4,4'-DDE				Q	2.0	1.50	R	5.0	1.24	S	20	1.19	T	50	1.18
	U	100	1.21	V	200	1.23									
2,4'-DDT				Q	2.0	0.912	R	5.0	0.785	S	20	0.771	T	50	0.741
				V	200	0.753									
4,4'-DDT				Q	2.0	1.01	R	5.0	0.858	S	20	0.891	T	50	0.881
	U	100	0.894	V	200	0.945									
Dieldrin				Q	2.0	1.49	R	5.0	1.26	S	20	1.17	T	50	1.19
	U	100	1.19	V	200	1.22									

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Calibration Date: 03/17/2014

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL13214
Instrument ID: GC23

Column: DB XLB

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Endosulfan I				Q	2.0	1.50	R	5.0	1.23	S	20	1.09	T	50	1.09
	U	100	1.06	V	200	1.06									
Endosulfan II				Q	2.0	1.38	R	5.0	1.08	S	20	1.00	T	50	1.06
	U	100	0.962	V	200	0.994									
Endrin				Q	2.0	1.31	R	5.0	1.11	S	20	1.03	T	50	1.02
	U	100	1.01	V	200	1.04									
Endrin Aldehyde							R	5.0	0.760	S	20	0.708	T	50	0.764
	U	100	0.624	V	200	0.689									
Endrin Ketone				Q	2.0	1.50	R	5.0	1.20	S	20	1.13	T	50	1.20
	U	100	1.08	V	200	1.14									
Heptachlor				Q	2.0	1.69	R	5.0	1.42	S	20	1.28	T	50	1.26
	U	100	1.30	V	200	1.32									
Heptachlor Epoxide				Q	2.0	1.66	R	5.0	1.31	S	20	1.21	T	50	1.21
	U	100	1.18	V	200	1.20									
alpha-BHC				Q	2.0	1.83	R	5.0	1.47	S	20	1.39	T	50	1.50
	U	100	1.48	V	200	1.59									

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Calibration Date: 03/17/2014

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL13214
Instrument ID: GC23

Column: DB XLB

Analyte Name	Level			Level			Level			Level					
	ID	Amt	RRF	ID	Amt	RRF	ID	Amt	RRF	ID	Amt	RRF			
beta-BHC	U	100	0.570	V	200	0.590	R	5.0	0.719	S	20	0.649	T	50	0.665
delta-BHC	U	100	1.30	Q	2.0	1.63	R	5.0	1.31	S	20	1.25	T	50	1.38
				V	200	1.41									
gamma-BHC (Lindane)	U	100	1.33	Q	2.0	1.73	R	5.0	1.38	S	20	1.29	T	50	1.37
				V	200	1.42									
Methoxychlor	U	100	0.448	Q	2.0	0.557	R	5.0	0.478	S	20	0.481	T	50	0.481
				V	200	0.466									
Mirex	K	2.0	1.18	L	5.0	1.05	M	20	0.950	N	50	0.876	O	75	0.853
	P	100	0.837												
Toxaphene {1}	A	200	0.00747	B	250	0.00705	C	500	0.00613	D	1000	0.00633	E	2000	0.00621
	F	5000	0.00644												
Toxaphene {2}	A	200	0.0108	B	250	0.0107	C	500	0.00956	D	1000	0.00920	E	2000	0.00902
	F	5000	0.00922												
Toxaphene {3}	A	200	0.0231	B	250	0.0229	C	500	0.0223	D	1000	0.0206	E	1500	0.0276
	F	5000	0.0204												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Calibration Date: 03/17/2014

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL13214
Instrument ID: GC23

Column: DB XLB

Analyte Name	Level			Level			Level			Level					
	ID	Amt	RRF	ID	Amt	RRF	ID	Amt	RRF	ID	Amt	RRF			
Toxaphene {4}	A	200	0.0159	B	250	0.0157	C	500	0.0143	D	1000	0.0145	E	2000	0.0132
	F	5000	0.0136												
Toxaphene {5}	A	200	0.0161	B	250	0.0157	C	500	0.0146	D	1000	0.0145	E	2000	0.0141
	F	5000	0.0140												
Toxaphene {6}	A	200	0.0203	B	250	0.0198	C	500	0.0186	D	1000	0.0191	E	2000	0.0194
	F	5000	0.0204												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Anamar Environmental Consulting, Inc.
 Project: Shipyard Creek MPRSA S103

Service Request: K1405572
 Calibration Date: 03/17/2014

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL13214
 Instrument ID: GC23

Column: DB XLB

Analyte Name	Compound Type	Calibration Evaluation				RRF Evaluation			
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Tetrachloro-m-xylene	SURR	Quadratic	COD	1.000		≥ 0.990	1.33		
Decachlorobiphenyl	SURR	Quadratic	COD	1.000		≥ 0.990	1.16		
Aldrin	MS	AverageRF	% RSD	10.5		≤ 20	1.41		
Chlordane {1}	MULTI	Quadratic	COD	1.000		≥ 0.990	0.0443		
Chlordane {2}	MULTI	AverageRF	% RSD	9.7		≤ 20	0.0680		
Chlordane {3}	MULTI	Quadratic	COD	1.000		≥ 0.990	0.0458		
Chlordane {4}	MULTI	AverageRF	% RSD	6.8		≤ 20	0.156		
Chlordane {5}	MULTI	AverageRF	% RSD	10.8		≤ 20	0.116		
Chlordane {6}	MULTI	AverageRF	% RSD	13.7		≤ 20	0.0839		
alpha-Chlordane	MS	AverageRF	% RSD	14.2		≤ 20	1.29		
gamma-Chlordane	MS	AverageRF	% RSD	13.9		≤ 20	1.31		
Oxychlordane	MS	AverageRF	% RSD	12.5		≤ 20	1.07		
cis-Nonachlor	MS	AverageRF	% RSD	8.9		≤ 20	1.28		
trans-Nonachlor	MS	AverageRF	% RSD	12.0		≤ 20	1.28		
2,4'-DDD	MS	AverageRF	% RSD	13.9		≤ 20	0.761		
4,4'-DDD	MS	AverageRF	% RSD	11.7		≤ 20	1.03		
2,4'-DDE	MS	AverageRF	% RSD	11.9		≤ 20	0.836		
4,4'-DDE	MS	AverageRF	% RSD	9.7		≤ 20	1.26		
2,4'-DDT	MS	AverageRF	% RSD	8.7		≤ 20	0.792		
4,4'-DDT	MS	AverageRF	% RSD	6.2		≤ 20	0.914		
Dieldrin	MS	AverageRF	% RSD	9.7		≤ 20	1.25		
Endosulfan I	MS	AverageRF	% RSD	14.7		≤ 20	1.17		
Endosulfan II	MS	AverageRF	% RSD	14.3		≤ 20	1.08		
Endrin	MS	AverageRF	% RSD	10.4		≤ 20	1.09		
Endrin Aldehyde	MS	AverageRF	% RSD	8.1		≤ 20	0.709		
Endrin Ketone	MS	AverageRF	% RSD	12.5		≤ 20	1.21		
Heptachlor	MS	AverageRF	% RSD	11.8		≤ 20	1.38		
Heptachlor Epoxide	MS	AverageRF	% RSD	14.2		≤ 20	1.30		
alpha-BHC	MS	AverageRF	% RSD	9.9		≤ 20	1.54		
beta-BHC	MS	AverageRF	% RSD	9.4		≤ 20	0.638		
delta-BHC	MS	AverageRF	% RSD	9.7		≤ 20	1.38		
gamma-BHC (Lindane)	MS	AverageRF	% RSD	11.0		≤ 20	1.42		
Methoxychlor	MS	AverageRF	% RSD	7.7		≤ 20	0.485		
Mirex	MS	AverageRF	% RSD	13.8		≤ 20	0.956		
Toxaphene {1}	MULTI	AverageRF	% RSD	8.1		≤ 20	0.00661		
Toxaphene {2}	MULTI	AverageRF	% RSD	8.1		≤ 20	0.00974		
Toxaphene {3}	MULTI	AverageRF	% RSD	11.4		≤ 20	0.0228		
Toxaphene {4}	MULTI	AverageRF	% RSD	7.4		≤ 20	0.0145		
Toxaphene {5}	MULTI	AverageRF	% RSD	6.0		≤ 20	0.0148		
Toxaphene {6}	MULTI	AverageRF	% RSD	3.6		≤ 20	0.0196		

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Calibration Date: 03/17/2014
Date Analyzed: 03/17/2014 -
 03/19/2014

Second Source Calibration Verification
Organochlorine Pesticides

Calibration Type: Internal Standard
Analysis Method: 8081B

Calibration ID: CAL13214
Units: ug/L

File ID: J:\GC23\DATA\031714ICAL\0317F018.D
 J:\GC23\DATA\031714ICAL\0317F032.D
 J:\GC23\DATA\031714ICAL\0319FX07.D
 J:\GC23\DATA\031814C\0318F011.D
 J:\GC23\DATA\031814C\0318F012.D

Column ID: DB XLB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aldrin	40	39	1.41	1.36	-3	NA	± 20 %	AverageRF
Chlordane {1}	1000	980	0.0443	0.0391	NA	-2	± 100 %	Quadratic
Chlordane {2}	1000	1000	0.0680	0.0688	1	NA	± 100 %	AverageRF
Chlordane {3}	1000	930	0.0458	0.0375	NA	-7	± 100 %	Quadratic
Chlordane {4}	1000	1100	0.156	0.164	5	NA	± 100 %	AverageRF
Chlordane {5}	1000	910	0.116	0.105	-9	NA	± 100 %	AverageRF
Chlordane {6}	1000	1200	0.0839	0.103	23	NA	± 100 %	AverageRF
Chlordane	1000	1000	NA	NA	NA	2	± 20 %	NA
alpha-Chlordane	40	41	1.29	1.31	2	NA	± 20 %	AverageRF
gamma-Chlordane	40	41	1.31	1.33	1	NA	± 20 %	AverageRF
Oxychlordane	40	46	1.07	1.22	14	NA	± 20 %	AverageRF
cis-Nonachlor	40	42	1.28	1.36	6	NA	± 20 %	AverageRF
trans-Nonachlor	40	41	1.28	1.32	3	NA	± 20 %	AverageRF
2,4'-DDD	40	40	0.761	0.760	0	NA	± 20 %	AverageRF
4,4'-DDD	40	41	1.03	1.06	3	NA	± 20 %	AverageRF
2,4'-DDE	40	41	0.836	0.858	3	NA	± 20 %	AverageRF
4,4'-DDE	40	41	1.26	1.30	3	NA	± 20 %	AverageRF
2,4'-DDT	40	38	0.792	0.744	-6	NA	± 20 %	AverageRF
4,4'-DDT	40	39	0.914	0.897	-2	NA	± 20 %	AverageRF
Dieldrin	40	42	1.25	1.32	5	NA	± 20 %	AverageRF
Endosulfan I	40	41	1.17	1.21	4	NA	± 20 %	AverageRF
Endosulfan II	40	43	1.08	1.17	8	NA	± 20 %	AverageRF
Endrin	40	40	1.09	1.10	1	NA	± 20 %	AverageRF
Endrin Aldehyde	40	48	0.709	0.858	21	*	± 20 %	AverageRF
Endrin Ketone	40	43	1.21	1.29	7	NA	± 20 %	AverageRF
Heptachlor	40	40	1.38	1.38	0	NA	± 20 %	AverageRF
Heptachlor Epoxide	40	41	1.30	1.34	3	NA	± 20 %	AverageRF
alpha-BHC	40	41	1.54	1.60	3	NA	± 20 %	AverageRF
beta-BHC	40	46	0.638	0.736	15	NA	± 20 %	AverageRF
delta-BHC	40	43	1.38	1.49	8	NA	± 20 %	AverageRF
gamma-BHC (Lindane)	40	42	1.42	1.48	4	NA	± 20 %	AverageRF
Methoxychlor	40	42	0.485	0.511	5	NA	± 20 %	AverageRF
Mirex	40	42	0.956	1.01	6	NA	± 20 %	AverageRF
Toxaphene {1}	1000	970	0.00661	0.00643	-3	NA	± 100 %	AverageRF
Toxaphene {2}	1000	1000	0.00974	0.00978	0	NA	± 100 %	AverageRF
Toxaphene {3}	1000	940	0.0228	0.0214	-6	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Calibration Date: 03/17/2014
Date Analyzed: 03/17/2014 -
 03/19/2014

Second Source Calibration Verification
Organochlorine Pesticides

Calibration Type: Internal Standard
Analysis Method: 8081B

Calibration ID: CAL13214
Units: ug/L

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Toxaphene {4}	1000	1100	0.0145	0.0155	7	NA	± 100 %	AverageRF
Toxaphene {5}	1000	1000	0.0148	0.0152	3	NA	± 100 %	AverageRF
Toxaphene {6}	1000	1000	0.0196	0.0196	0	NA	± 100 %	AverageRF
Toxaphene	1000	1000	NA	NA	NA	0	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Calibration Date: 03/17/2014

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL13214
Instrument ID: GC23

Column: DB-35MS

Level ID	File ID	Level ID	File ID
A	J:\GC23\DATA\031714ICAL\0317F012.D\0317F012c.d	N	J:\GC23\DATA\031714ICAL\0317F029.D\0317F029c.d
B	J:\GC23\DATA\031714ICAL\0317F013.D\0317F013c.d	O	J:\GC23\DATA\031714ICAL\0317F030.D\0317F030c.d
C	J:\GC23\DATA\031714ICAL\0317F014.D\0317F014c.d	P	J:\GC23\DATA\031714ICAL\0317F031.D\0317F031c.d
D	J:\GC23\DATA\031714ICAL\0317F015.D\0317F015c.d	Q	J:\GC23\DATA\031814C\0318F005.D\0318F005c.d
E	J:\GC23\DATA\031714ICAL\0317F016.D\0317F016c.d	R	J:\GC23\DATA\031814C\0318F006.D\0318F006c.d
F	J:\GC23\DATA\031714ICAL\0317F017.D\0317F017c.d	S	J:\GC23\DATA\031814C\0318F007.D\0318F007c.d
G	J:\GC23\DATA\031714ICAL\0317F020.D\0317F020c.d	T	J:\GC23\DATA\031814C\0318F008.D\0318F008c.d
H	J:\GC23\DATA\031714ICAL\0317F021.D\0317F021c.d	U	J:\GC23\DATA\031814C\0318F009.D\0318F009c.d
I	J:\GC23\DATA\031714ICAL\0317F023.D\0317F023c.d	V	J:\GC23\DATA\031814C\0318F010.D\0318F010c.d
J	J:\GC23\DATA\031714ICAL\0317F024.D\0317F024c.d	W	J:\GC23\DATA\031714ICAL\0319FX05.D\0319FX05c.d
K	J:\GC23\DATA\031714ICAL\0317F026.D\0317F026c.d	X	J:\GC23\DATA\031714ICAL\0319FX06.D\0319FX06c.d
L	J:\GC23\DATA\031714ICAL\0317F027.D\0317F027c.d		
M	J:\GC23\DATA\031714ICAL\0317F028.D\0317F028c.d		

Analyte Name	Level ID			Level ID			Level ID			Level ID			Level ID		
	ID	Amt	RRF	ID	Amt	RRF	ID	Amt	RRF	ID	Amt	RRF	ID	Amt	RRF
Tetrachloro-m-xylene				Q	2.0	1.60	R	5.0	1.34	S	20	1.28	T	50	1.22
	U	100	1.23	V	200	1.24									
Decachlorobiphenyl				Q	2.0	1.37	R	5.0	1.17	S	20	1.13	T	50	1.02
	U	100	1.02	V	200	0.995									
Aldrin				Q	2.0	1.72	R	5.0	1.47	S	20	1.47	T	50	1.44
	U	100	1.48	V	200	1.51									
Chlordane {1}				G	25	0.0466	H	50	0.0439	I	500	0.0387	J	1000	0.0386
							W	100	0.0404	X	2000	0.0384			
Chlordane {2}				G	25	0.0720	H	50	0.0668	I	500	0.0621	J	1000	0.0630
							W	100	0.0652	X	2000	0.0636			

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Calibration Date: 03/17/2014

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL13214
Instrument ID: GC23

Column: DB-35MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
Chlordane {3}				G	25	0.157	H	50	0.148	I	500	0.143	J	1000	0.143
							W	100	0.143	X	2000	0.142			
Chlordane {4}				G	25	0.0990	H	50	0.0931	I	500	0.0835	J	1000	0.0840
							W	100	0.0847	X	2000	0.0813			
Chlordane {5}				G	25	0.0529	H	50	0.0504	I	500	0.0479	J	1000	0.0474
							W	100	0.0481	X	2000	0.0474			
Chlordane {6}				G	25	0.133	H	50	0.124	I	500	0.115	J	1000	0.114
							W	100	0.116	X	2000	0.112			
alpha-Chlordane															
	U	100	1.27	Q	2.0	1.72	R	5.0	1.36	S	20	1.32	T	50	1.29
gamma-Chlordane															
	U	100	1.32	Q	2.0	1.75	R	5.0	1.35	S	20	1.33	T	50	1.35
Oxychlordane															
	K	2.0	1.38	L	5.0	1.23	M	20	1.13	N	50	1.05	O	75	1.04
cis-Nonachlor															
	K	2.0	1.64	L	5.0	1.53	M	20	1.43	N	50	1.35	O	75	1.34
	P	100	1.34												

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
 Project: Shipyard Creek MPRSA S103

Service Request: K1405572
 Calibration Date: 03/17/2014

Initial Calibration Summary
 Organochlorine Pesticides

Calibration ID: CAL13214
 Instrument ID: GC23

Column: DB-35MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
trans-Nonachlor	K	2.0	1.63	L	5.0	1.47	M	20	1.40	N	50	1.31	O	75	1.30
	P	100	1.29												
2,4'-DDD				Q	2.0	1.00	R	5.0	0.818	S	20	0.775	T	50	0.729
				V	200	0.704									
4,4'-DDD				Q	2.0	1.22	R	5.0	1.05	S	20	1.02	T	50	1.05
	U	100	0.993	V	200	1.05									
2,4'-DDE				Q	2.0	1.05	R	5.0	0.895	S	20	0.857	T	50	0.791
				V	200	0.826									
4,4'-DDE				Q	2.0	1.52	R	5.0	1.36	S	20	1.31	T	50	1.30
	U	100	1.32	V	200	1.36									
2,4'-DDT				Q	2.0	1.03	R	5.0	0.848	S	20	0.833	T	50	0.793
				V	200	0.774									
4,4'-DDT				Q	2.0	1.23	R	5.0	1.01	S	20	0.967	T	50	0.951
	U	100	0.934	V	200	0.957									
Dieldrin				Q	2.0	1.68	R	5.0	1.37	S	20	1.30	T	50	1.30
	U	100	1.28	V	200	1.32									

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Calibration Date: 03/17/2014

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL13214
Instrument ID: GC23

Column: DB-35MS

Analyte Name	Level ID			Level ID			Level ID			Level ID			Level ID		
	U	Amt	RRF	V	Amt	RRF	R	Amt	RRF	S	Amt	RRF	T	Amt	RRF
Endosulfan I				Q	2.0	1.46	R	5.0	1.20	S	20	1.17	T	50	1.19
	U	100	1.13	V	200	1.15									
Endosulfan II				Q	2.0	1.38	R	5.0	1.12	S	20	1.07	T	50	1.13
	U	100	1.02	V	200	1.07									
Endrin				Q	2.0	1.40	R	5.0	1.25	S	20	1.13	T	50	1.11
	U	100	1.09	V	200	1.12									
Endrin Aldehyde				Q	2.0	1.09	R	5.0	0.864	S	20	0.812	T	50	0.889
	U	100	0.747	V	200	0.828									
Endrin Ketone				Q	2.0	1.61	R	5.0	1.28	S	20	1.25	T	50	1.29
	U	100	1.14	V	200	1.21									
Heptachlor				Q	2.0	1.68	R	5.0	1.36	S	20	1.32	T	50	1.28
	U	100	1.29	V	200	1.30									
Heptachlor Epoxide				Q	2.0	1.62	R	5.0	1.35	S	20	1.29	T	50	1.28
	U	100	1.24	V	200	1.29									
alpha-BHC				Q	2.0	1.73	R	5.0	1.46	S	20	1.49	T	50	1.61
	U	100	1.57	V	200	1.68									

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
 Project: Shipyard Creek MPRSA S103

Service Request: K1405572
 Calibration Date: 03/17/2014

Initial Calibration Summary
 Organochlorine Pesticides

Calibration ID: CAL13214
 Instrument ID: GC23

Column: DB-35MS

Analyte Name	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF	Level ID	Amt	RRF
beta-BHC				Q	2.0	0.931	R	5.0	0.750	S	20	0.693	T	50	0.718
	U	100	0.626	V	200	0.670									
delta-BHC				Q	2.0	1.59	R	5.0	1.37	S	20	1.33	T	50	1.48
	U	100	1.38	V	200	1.50									
gamma-BHC (Lindane)				Q	2.0	1.69	R	5.0	1.37	S	20	1.38	T	50	1.47
	U	100	1.40	V	200	1.50									
Methoxychlor				Q	2.0	0.645	R	5.0	0.525	S	20	0.523	T	50	0.499
	U	100	0.445	V	200	0.451									
Mirex	K	2.0	1.39	L	5.0	1.26	M	20	1.13	N	50	1.01	O	75	0.976
	P	100	0.955												
Toxaphene {1}	A	200	0.0213	B	250	0.0208	C	500	0.0199	D	1000	0.0185	E	2000	0.0184
	F	5000	0.0179												
Toxaphene {2}	A	200	0.00858	B	250	0.00844	C	500	0.00781	D	1000	0.00730	E	2000	0.00723
	F	5000	0.00665												
Toxaphene {3}	A	200	0.0118	B	250	0.0118	C	500	0.0101	D	1000	0.00971	E	2000	0.00947
	F	5000	0.00913												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Calibration Date: 03/17/2014

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL13214
Instrument ID: GC23

Column: DB-35MS

Analyte Name	Level			Level			Level			Level			Level		
	ID	Amt	RRF	ID	Amt	RRF	ID	Amt	RRF	ID	Amt	RRF	ID	Amt	RRF
Toxaphene {4}	A	200	0.0140	B	250	0.0136	C	500	0.0122	D	1000	0.0122	E	2000	0.0119
	F	5000	0.0116												
Toxaphene {5}	A	200	0.0252	B	250	0.0247	C	500	0.0231	D	1000	0.0229	E	2000	0.0223
	F	5000	0.0222												
Toxaphene {6}	A	200	0.0195	B	250	0.0190	C	500	0.0167	D	1000	0.0168	E	2000	0.0155
	F	5000	0.0148												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Calibration Date: 03/17/2014

Initial Calibration Summary
Organochlorine Pesticides

Calibration ID: CAL13214
Instrument ID: GC23

Column: DB-35MS

Analyte Name	Compound Type	Calibration Evaluation					RRF Evaluation		
		Fit Type	Eval.	Eval. Result	Q	Control Criteria	Average RRF	Q	Minimum RRF
Tetrachloro-m-xylene	SURR	AverageRF	% RSD	11.0		≤20	1.32		
Decachlorobiphenyl	SURR	AverageRF	% RSD	12.8		≤20	1.12		
Aldrin	MS	AverageRF	% RSD	6.8		≤20	1.51		
Chlordane {1}	MULTI	AverageRF	% RSD	8.3		≤20	0.0411		
Chlordane {2}	MULTI	AverageRF	% RSD	5.5		≤20	0.0654		
Chlordane {3}	MULTI	AverageRF	% RSD	4.0		≤20	0.146		
Chlordane {4}	MULTI	AverageRF	% RSD	7.9		≤20	0.0876		
Chlordane {5}	MULTI	AverageRF	% RSD	4.5		≤20	0.0490		
Chlordane {6}	MULTI	AverageRF	% RSD	6.9		≤20	0.119		
alpha-Chlordane	MS	AverageRF	% RSD	12.5		≤20	1.38		
gamma-Chlordane	MS	AverageRF	% RSD	11.9		≤20	1.41		
Oxychlordane	MS	AverageRF	% RSD	12.1		≤20	1.14		
cis-Nonachlor	MS	AverageRF	% RSD	8.5		≤20	1.44		
trans-Nonachlor	MS	AverageRF	% RSD	9.5		≤20	1.40		
2,4'-DDD	MS	AverageRF	% RSD	14.6		≤20	0.805		
4,4'-DDD	MS	AverageRF	% RSD	7.5		≤20	1.06		
2,4'-DDE	MS	AverageRF	% RSD	11.4		≤20	0.884		
4,4'-DDE	MS	AverageRF	% RSD	5.8		≤20	1.36		
2,4'-DDT	MS	AverageRF	% RSD	11.9		≤20	0.855		
4,4'-DDT	MS	AverageRF	% RSD	11.0		≤20	1.01		
Dieldrin	MS	AverageRF	% RSD	11.1		≤20	1.37		
Endosulfan I	MS	AverageRF	% RSD	10.1		≤20	1.22		
Endosulfan II	MS	AverageRF	% RSD	11.4		≤20	1.13		
Endrin	MS	AverageRF	% RSD	10.4		≤20	1.18		
Endrin Aldehyde	MS	AverageRF	% RSD	13.4		≤20	0.871		
Endrin Ketone	MS	AverageRF	% RSD	12.5		≤20	1.30		
Heptachlor	MS	AverageRF	% RSD	11.1		≤20	1.37		
Heptachlor Epoxide	MS	AverageRF	% RSD	10.3		≤20	1.35		
alpha-BHC	MS	AverageRF	% RSD	6.6		≤20	1.59		
beta-BHC	MS	AverageRF	% RSD	14.6		≤20	0.732		
delta-BHC	MS	AverageRF	% RSD	6.8		≤20	1.44		
gamma-BHC (Lindane)	MS	AverageRF	% RSD	8.2		≤20	1.47		
Methoxychlor	MS	AverageRF	% RSD	14.1		≤20	0.515		
Mirex	MS	Quadratic	COD	1.000		≥0.990	1.12		
Toxaphene {1}	MULTI	AverageRF	% RSD	7.1		≤20	0.0195		
Toxaphene {2}	MULTI	AverageRF	% RSD	9.8		≤20	0.00767		
Toxaphene {3}	MULTI	AverageRF	% RSD	11.5		≤20	0.0103		
Toxaphene {4}	MULTI	AverageRF	% RSD	7.9		≤20	0.0126		
Toxaphene {5}	MULTI	AverageRF	% RSD	5.4		≤20	0.0234		
Toxaphene {6}	MULTI	AverageRF	% RSD	11.0		≤20	0.0171		

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Calibration Date: 03/17/2014
Date Analyzed: 03/17/2014 -
 03/19/2014

Second Source Calibration Verification
Organochlorine Pesticides

Calibration Type: Internal Standard
Analysis Method: 8081B

Calibration ID: CAL13214
Units: ug/L

File ID: J:\GC23\DATA\031714ICAL\0317F018.D\0317F018c.d
 J:\GC23\DATA\031714ICAL\0317F032.D\0317F032c.d
 J:\GC23\DATA\031714ICAL\0319FX07.D\0319FX07c.d
 J:\GC23\DATA\031814C\0318F011.D\0318F011c.d
 J:\GC23\DATA\031814C\0318F012.D\0318F012c.d

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aldrin	40	42	1.51	1.59	5	NA	± 20 %	AverageRF
Chlordane {1}	1000	890	0.0411	0.0367	-11	NA	± 100 %	AverageRF
Chlordane {2}	1000	1000	0.0654	0.0672	3	NA	± 100 %	AverageRF
Chlordane {3}	1000	990	0.146	0.144	-1	NA	± 100 %	AverageRF
Chlordane {4}	1000	1200	0.0876	0.110	25	NA	± 100 %	AverageRF
Chlordane {5}	1000	1000	0.0490	0.0500	2	NA	± 100 %	AverageRF
Chlordane {6}	1000	890	0.119	0.106	-11	NA	± 100 %	AverageRF
Chlordane	1000	1000	NA	NA	NA	1	± 20 %	NA
alpha-Chlordane	40	43	1.38	1.47	7	NA	± 20 %	AverageRF
gamma-Chlordane	40	42	1.41	1.49	6	NA	± 20 %	AverageRF
Oxychlordane	40	46	1.14	1.31	14	NA	± 20 %	AverageRF
cis-Nonachlor	40	42	1.44	1.53	6	NA	± 20 %	AverageRF
trans-Nonachlor	40	42	1.40	1.47	5	NA	± 20 %	AverageRF
2,4'-DDD	40	41	0.805	0.831	3	NA	± 20 %	AverageRF
4,4'-DDD	40	43	1.06	1.15	8	NA	± 20 %	AverageRF
2,4'-DDE	40	44	0.884	0.974	10	NA	± 20 %	AverageRF
4,4'-DDE	40	44	1.36	1.49	10	NA	± 20 %	AverageRF
2,4'-DDT	40	37	0.855	0.802	-6	NA	± 20 %	AverageRF
4,4'-DDT	40	39	1.01	0.983	-3	NA	± 20 %	AverageRF
Dieldrin	40	42	1.37	1.46	6	NA	± 20 %	AverageRF
Endosulfan I	40	44	1.22	1.35	11	NA	± 20 %	AverageRF
Endosulfan II	40	45	1.13	1.27	13	NA	± 20 %	AverageRF
Endrin	40	42	1.18	1.23	4	NA	± 20 %	AverageRF
Endrin Aldehyde	40	48	0.871	1.04	19	NA	± 20 %	AverageRF
Endrin Ketone	40	44	1.30	1.43	10	NA	± 20 %	AverageRF
Heptachlor	40	42	1.37	1.42	4	NA	± 20 %	AverageRF
Heptachlor Epoxide	40	43	1.35	1.46	9	NA	± 20 %	AverageRF
alpha-BHC	40	45	1.59	1.78	12	NA	± 20 %	AverageRF
beta-BHC	40	45	0.732	0.828	13	NA	± 20 %	AverageRF
delta-BHC	40	46	1.44	1.65	15	NA	± 20 %	AverageRF
gamma-BHC (Lindane)	40	44	1.47	1.63	11	NA	± 20 %	AverageRF
Methoxychlor	40	41	0.515	0.531	3	NA	± 20 %	AverageRF
Mirex	40	46	1.12	1.17	NA	14	± 20 %	Quadratic
Toxaphene {1}	1000	1100	0.0195	0.0206	6	NA	± 100 %	AverageRF
Toxaphene {2}	1000	1000	0.00767	0.00773	1	NA	± 100 %	AverageRF
Toxaphene {3}	1000	1100	0.0103	0.0110	7	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Calibration Date: 03/17/2014
Date Analyzed: 03/17/2014 -
 03/19/2014

Second Source Calibration Verification
Organochlorine Pesticides

Calibration Type: Internal Standard
Analysis Method: 8081B

Calibration ID: CAL13214
Units: ug/L

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Toxaphene {4}	1000	1000	0.0126	0.0125	0	NA	± 100 %	AverageRF
Toxaphene {5}	1000	1000	0.0234	0.0237	1	NA	± 100 %	AverageRF
Toxaphene {6}	1000	1100	0.0171	0.0181	6	NA	± 100 %	AverageRF
Toxaphene	1000	1000	NA	NA	NA	3	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound

‡ CCC Compound

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Date Analyzed: 06/11/2014

Continuing Calibration Verification Summary
Organochlorine Pesticides

Calibration Type: External Standard
Analysis Method: 8081B

Calibration Date: 03/17/2014
Calibration ID: CAL13214
Analysis Lot: KWG1405590
Units: ug/L
Column ID: DB XLB

File ID: J:\GC23\DATA\061114\0611F073.D
 J:\GC23\DATA\061114\0611F074.D
 J:\GC23\DATA\061114\0611F075.D
 J:\GC23\DATA\061114\0611F076.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Tetrachloro-m-xylene	50	44		1.33	1.05	NA	-13	± 20 %	Quadratic
Decachlorobiphenyl	50	47		1.16	1.01	NA	-6	± 20 %	Quadratic
Aldrin	50	45		1.41	1.26	-10	NA	± 20 %	AverageRF
Chlordane {1}	500	540		0.0443	0.0435	NA	7	± 100 %	Quadratic
Chlordane {2}	500	550		0.0680	0.0746	10	NA	± 100 %	AverageRF
Chlordane {3}	500	510		0.0458	0.0426	NA	2	± 100 %	Quadratic
Chlordane {4}	500	500		0.156	0.155	-1	NA	± 100 %	AverageRF
Chlordane {5}	500	480		0.116	0.111	-4	NA	± 100 %	AverageRF
Chlordane {6}	500	480		0.0839	0.0799	-5	NA	± 100 %	AverageRF
Chlordane	500	510		NA	NA	NA	2	± 20 %	NA
alpha-Chlordane	50	44		1.29	1.15	-11	NA	± 20 %	AverageRF
gamma-Chlordane	50	45		1.31	1.17	-11	NA	± 20 %	AverageRF
Oxychlordane	50	43		1.07	0.929	-13	NA	± 20 %	AverageRF
cis-Nonachlor	50	45		1.28	1.16	-9	NA	± 20 %	AverageRF
trans-Nonachlor	50	44		1.28	1.12	-12	NA	± 20 %	AverageRF
2,4'-DDD	50	44		0.761	0.666	-13	NA	± 20 %	AverageRF
4,4'-DDD	50	47		1.03	0.974	-5	NA	± 20 %	AverageRF
2,4'-DDE	50	44		0.836	0.730	-13	NA	± 20 %	AverageRF
4,4'-DDE	50	46		1.26	1.15	-8	NA	± 20 %	AverageRF
2,4'-DDT	50	51		0.792	0.808	2	NA	± 20 %	AverageRF
4,4'-DDT	50	58		0.914	1.05	15	NA	± 20 %	AverageRF
Dieldrin	50	46		1.25	1.15	-8	NA	± 20 %	AverageRF
Endosulfan I	50	45		1.17	1.06	-9	NA	± 20 %	AverageRF
Endosulfan II	50	48		1.08	1.04	-4	NA	± 20 %	AverageRF
Endrin	50	47		1.09	1.03	-6	NA	± 20 %	AverageRF
Endrin Aldehyde	50	59		0.709	0.835	18	NA	± 20 %	AverageRF
Endrin Ketone	50	53		1.21	1.27	5	NA	± 20 %	AverageRF
Heptachlor	50	47		1.38	1.30	-6	NA	± 20 %	AverageRF
Heptachlor Epoxide	50	45		1.30	1.17	-10	NA	± 20 %	AverageRF
alpha-BHC	50	48		1.54	1.48	-4	NA	± 20 %	AverageRF
beta-BHC	50	51		0.638	0.656	3	NA	± 20 %	AverageRF
delta-BHC	50	50		1.38	1.39	1	NA	± 20 %	AverageRF
gamma-BHC (Lindane)	50	49		1.42	1.39	-2	NA	± 20 %	AverageRF
Methoxychlor	50	60		0.485	0.582	20	NA	± 20 %	AverageRF
Mirex	50	46		0.956	0.885	-7	NA	± 20 %	AverageRF
Toxaphene {1}	1000	980		0.00661	0.00647	-2	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Date Analyzed: 06/11/2014

Continuing Calibration Verification Summary
Organochlorine Pesticides

Calibration Type: External Standard
Analysis Method: 8081B

Calibration Date: 03/17/2014
Calibration ID: CAL13214
Analysis Lot: KWG1405590
Units: ug/L

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Toxaphene {2}	1000	910		0.00974	0.00886	-9	NA	± 100 %	AverageRF
Toxaphene {3}	1000	990		0.0228	0.0225	-1	NA	± 100 %	AverageRF
Toxaphene {4}	1000	1000		0.0145	0.0147	1	NA	± 100 %	AverageRF
Toxaphene {5}	1000	1000		0.0148	0.0151	2	NA	± 100 %	AverageRF
Toxaphene {6}	1000	1300		0.0196	0.0253	29	NA	± 100 %	AverageRF
Toxaphene	1000	1000		NA	NA	NA	3	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Date Analyzed: 06/11/2014

Continuing Calibration Verification Summary
Organochlorine Pesticides

Calibration Type: External Standard
Analysis Method: 8081B

Calibration Date: 03/17/2014
Calibration ID: CAL13214
Analysis Lot: KWG1405590
Units: ug/L
Column ID: DB-35MS

File ID: J:\GC23\DATA\061114\0611F073.D\0611F073C.D
 J:\GC23\DATA\061114\0611F074.D\0611F074C.D
 J:\GC23\DATA\061114\0611F075.D\0611F075C.D
 J:\GC23\DATA\061114\0611F076.D\0611F076C.D

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Tetrachloro-m-xylene	50	44		1.32	1.17	-11	NA	± 20 %	AverageRF
Decachlorobiphenyl	50	45		1.12	1.01	-10	NA	± 20 %	AverageRF
Aldrin	50	46		1.51	1.40	-8	NA	± 20 %	AverageRF
Chlordane {1}	500	490		0.0411	0.0399	-3	NA	± 100 %	AverageRF
Chlordane {2}	500	550		0.0654	0.0718	10	NA	± 100 %	AverageRF
Chlordane {3}	500	500		0.146	0.145	-1	NA	± 100 %	AverageRF
Chlordane {4}	500	490		0.0876	0.0860	-2	NA	± 100 %	AverageRF
Chlordane {5}	500	480		0.0490	0.0472	-4	NA	± 100 %	AverageRF
Chlordane {6}	500	490		0.119	0.116	-3	NA	± 100 %	AverageRF
Chlordane	500	500		NA	NA	NA	0	± 20 %	NA
alpha-Chlordane	50	45		1.38	1.25	-9	NA	± 20 %	AverageRF
gamma-Chlordane	50	46		1.41	1.31	-7	NA	± 20 %	AverageRF
Oxychlordane	50	44		1.14	0.999	-13	NA	± 20 %	AverageRF
cis-Nonachlor	50	44		1.44	1.26	-12	NA	± 20 %	AverageRF
trans-Nonachlor	50	43		1.40	1.22	-13	NA	± 20 %	AverageRF
2,4'-DDD	50	44		0.805	0.711	-12	NA	± 20 %	AverageRF
4,4'-DDD	50	50		1.06	1.06	-1	NA	± 20 %	AverageRF
2,4'-DDE	50	45		0.884	0.799	-10	NA	± 20 %	AverageRF
4,4'-DDE	50	48		1.36	1.31	-4	NA	± 20 %	AverageRF
2,4'-DDT	50	50		0.855	0.854	0	NA	± 20 %	AverageRF
4,4'-DDT	50	54		1.01	1.09	9	NA	± 20 %	AverageRF
Dieldrin	50	46		1.37	1.25	-9	NA	± 20 %	AverageRF
Endosulfan I	50	47		1.22	1.15	-6	NA	± 20 %	AverageRF
Endosulfan II	50	49		1.13	1.10	-3	NA	± 20 %	AverageRF
Endrin	50	47		1.18	1.12	-5	NA	± 20 %	AverageRF
Endrin Aldehyde	50	52		0.871	0.913	5	NA	± 20 %	AverageRF
Endrin Ketone	50	51		1.30	1.33	2	NA	± 20 %	AverageRF
Heptachlor	50	49		1.37	1.35	-2	NA	± 20 %	AverageRF
Heptachlor Epoxide	50	46		1.35	1.24	-8	NA	± 20 %	AverageRF
alpha-BHC	50	50		1.59	1.59	0	NA	± 20 %	AverageRF
beta-BHC	50	47		0.732	0.691	-5	NA	± 20 %	AverageRF
delta-BHC	50	51		1.44	1.46	1	NA	± 20 %	AverageRF
gamma-BHC (Lindane)	50	49		1.47	1.45	-1	NA	± 20 %	AverageRF
Methoxychlor	50	56		0.515	0.578	12	NA	± 20 %	AverageRF
Mirex	50	46		1.12	0.945	NA	-7	± 20 %	Quadratic
Toxaphene {1}	1000	960		0.0195	0.0187	-4	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572
Date Analyzed: 06/11/2014

Continuing Calibration Verification Summary
Organochlorine Pesticides

Calibration Type: External Standard
Analysis Method: 8081B

Calibration Date: 03/17/2014
Calibration ID: CAL13214
Analysis Lot: KWG1405590
Units: ug/L

Analyte Name	Expected	Result	Min RF	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Toxaphene {2}	1000	990		0.00767	0.00760	-1	NA	± 100 %	AverageRF
Toxaphene {3}	1000	1000		0.0103	0.0105	1	NA	± 100 %	AverageRF
Toxaphene {4}	1000	960		0.0126	0.0120	-4	NA	± 100 %	AverageRF
Toxaphene {5}	1000	1100		0.0234	0.0251	7	NA	± 100 %	AverageRF
Toxaphene {6}	1000	1100		0.0171	0.0189	11	NA	± 100 %	AverageRF
Toxaphene	1000	1000		NA	NA	NA	2	± 20 %	NA

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
 Project: Shipyard Creek MPRSA S103

Service Request: K1405572

Analysis Run Log
 Organochlorine Pesticides

Analysis Method: 8081B

Analysis Lot: KWG1405590
 Instrument ID: GC23
 Column: DB XLB

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0611F072.D	Performance Evaluation Mixture	KWG1405590-2	6/11/2014	16:43		6/11/2014	17:05
0611F073.D	Continuing Calibration Verification	KWG1405590-3	6/11/2014	17:13		6/11/2014	17:35
0611F074.D	Continuing Calibration Verification	KWG1405590-3	6/11/2014	17:43		6/11/2014	18:05
0611F075.D	Continuing Calibration Verification	KWG1405590-3	6/11/2014	18:12		6/11/2014	18:34
0611F076.D	Continuing Calibration Verification	KWG1405590-3	6/11/2014	18:42		6/11/2014	19:04
0611F077.D	Instrument Blank	KWG1405590-1	6/11/2014	19:12		6/11/2014	19:34
0611F078.D	SYC14-ODMDS-SW	K1405572-001	6/11/2014	19:41		6/11/2014	20:03
0611F079.D	ZZZZZZ	ZZZZZZ	6/11/2014	20:11		6/11/2014	20:33
0611F080.D	ZZZZZZ	ZZZZZZ	6/11/2014	20:40		6/11/2014	21:02
0611F081.D	Lab Control Sample	KWG1405470-1	6/11/2014	21:10		6/11/2014	21:32
0611F082.D	Duplicate Lab Control Sample	KWG1405470-2	6/11/2014	21:39		6/11/2014	22:01
0611F083.D	Lab Control Sample	KWG1405470-1	6/11/2014	22:08		6/11/2014	22:30
0611F084.D	Duplicate Lab Control Sample	KWG1405470-2	6/11/2014	22:38		6/11/2014	23:00
0611F085.D	Lab Control Sample	KWG1405470-1	6/11/2014	23:07		6/11/2014	23:29
0611F086.D	Duplicate Lab Control Sample	KWG1405470-2	6/11/2014	23:37		6/11/2014	23:59
0611F087.D	Method Blank	KWG1405470-9	6/12/2014	00:07		6/12/2014	00:29
0611F088.D	ZZZZZZ	ZZZZZZ	6/12/2014	00:36		6/12/2014	00:58
0611F089.D	ZZZZZZ	ZZZZZZ	6/12/2014	01:06		6/12/2014	01:28
0611F090.D	ZZZZZZ	ZZZZZZ	6/12/2014	01:35		6/12/2014	01:57
0611F091.D	ZZZZZZ	ZZZZZZ	6/12/2014	02:05		6/12/2014	02:27
0611F092.D	ZZZZZZ	ZZZZZZ	6/12/2014	02:34		6/12/2014	02:56
0611F093.D	ZZZZZZ	ZZZZZZ	6/12/2014	03:04		6/12/2014	03:26
0611F094.D	ZZZZZZ	ZZZZZZ	6/12/2014	03:33		6/12/2014	03:55
0611F095.D	ZZZZZZ	ZZZZZZ	6/12/2014	04:03		6/12/2014	04:25
0611F096.D	ZZZZZZ	ZZZZZZ	6/12/2014	04:33		6/12/2014	04:55
0611F097.D	ZZZZZZ	ZZZZZZ	6/12/2014	05:02		6/12/2014	05:24
0611F098.D	ZZZZZZ	ZZZZZZ	6/12/2014	05:32		6/12/2014	05:54
0611F099.D	Performance Evaluation Mixture	KWG1405590-5	6/12/2014	06:01		6/12/2014	06:23
0611F100.D	Continuing Calibration Verification	KWG1405590-6	6/12/2014	06:31		6/12/2014	06:53
0611F101.D	Continuing Calibration Verification	KWG1405590-6	6/12/2014	07:00		6/12/2014	07:22
0611F102.D	Continuing Calibration Verification	KWG1405590-6	6/12/2014	07:30		6/12/2014	07:52
0611F103.D	Continuing Calibration Verification	KWG1405590-6	6/12/2014	08:00		6/12/2014	08:22
0611F104.D	Instrument Blank	KWG1405590-4	6/12/2014	08:29		6/12/2014	08:51
0611F105.D	ZZZZZZ	ZZZZZZ	6/12/2014	08:59		6/12/2014	09:21

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103

Service Request: K1405572

Analysis Run Log
Organochlorine Pesticides

Analysis Method: 8081B

Analysis Lot: KWG1405590
Instrument ID: GC23
Column: DB XLB

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
0611F106.D	ZZZZZZ	ZZZZZZ	6/12/2014	09:29		6/12/2014	09:51
0611F107.D	ZZZZZZ	ZZZZZZ	6/12/2014	09:58		6/12/2014	10:20
0611F108.D	ZZZZZZ	ZZZZZZ	6/12/2014	10:28		6/12/2014	10:50
0611F109.D	ZZZZZZ	ZZZZZZ	6/12/2014	10:57		6/12/2014	11:19
0611F110.D	ZZZZZZ	ZZZZZZ	6/12/2014	11:26		6/12/2014	11:48
0611F111.D	ZZZZZZ	ZZZZZZ	6/12/2014	11:55		6/12/2014	12:17
0611F112.D	ZZZZZZ	ZZZZZZ	6/12/2014	12:25		6/12/2014	12:47
0611F113.D	ZZZZZZ	ZZZZZZ	6/12/2014	12:55		6/12/2014	13:17
0611F116.D	ZZZZZZ	ZZZZZZ	6/12/2014	14:23		6/12/2014	14:45
0611F117.D	ZZZZZZ	ZZZZZZ	6/12/2014	14:53		6/12/2014	15:15
0611F119.D	ZZZZZZ	ZZZZZZ	6/12/2014	15:51		6/12/2014	16:13

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

QA/QC Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request: K1405572
Date Extracted: 06/09/2014

Extraction Prep Log
Organochlorine Pesticides

Extraction Method: EPA 3535A
Analysis Method: 8081B

Extraction Lot: KWG1405470
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
SYC14-ODMDS-SW	K1405572-001	06/03/14	06/04/14	980mL	2mL	NA	
Method Blank	KWG1405470-9	NA	NA	1000mL	2mL	NA	
Lab Control Sample	KWG1405470-1	NA	NA	1000mL	2mL	NA	
Duplicate Lab Control Sample	KWG1405470-2	NA	NA	1000mL	2mL	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Confirmation Results

Client: Anamar Environmental Consulting, Inc.
Project: Shipyard Creek MPRSA S103
Sample Matrix: Water

Service Request: K1405572
Date Collected: 06/03/2014
Date Received: 06/04/2014
Date Extracted: 06/09/2014

Organochlorine Pesticides

Sample Name: SYC14-ODMDS-SW
Lab Code: K1405572-001
Extraction Method: EPA 3535A
Analysis Method: 8081B

Units: ug/L
Basis: NA
Level: Low

Analyte Name	MRL	MDL	Primary Result	Confirmation Result	RPD	Q	Dilution Factor	Date Analyzed
4,4'-DDE	0.011	0.00037	0.00058	0.00060	3.4	J	1	06/11/14
Endosulfan II	0.011	0.00041	0.00079	0.0013	48.8	JP	1	06/11/14



Raw Data

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com



General Chemistry

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Original
 Work Request # (K5359) K5449 K5509 K5519 K5526 K5530 K5572
 Tier: II IV II II II I ID
 Date Analyzed: 06/13/14 K5644 K5652 K5653 K5655 K5662
 Analyst: Howyer II IA II IA IA IA
 Analysis: NH₃-N-9M4500-NH₃G I K5788 IV K5827 I K5842 IA K5851 IA
 IA IA II I

DATA QUALITY REPORT
 INORGANICS

397097

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

1. Is the method name and number correct and appropriate? yes/no/NA
2. Holding times met for all analyses and for all samples? yes/no/NA
3. Are calculations correct? yes/no/NA
4. Is the reporting basis correct? (Dry Weight) yes/no/ NA
5. All quality control criteria met? yes/no
6. Is the calibration curve correlation coefficient ≥ 0.995 ? yes/no/NA
7. MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency? yes/no/NA
8. Are ICVs, CCVs, and CCBs all within acceptance limits? yes/no/NA
9. Are results for methods blanks all ND? yes/no/NA
10. Are all QC samples within acceptance criteria? (LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.) yes/no/NA
11. Are all exceptions explained? yes/no/ NA
12. Have all applicable service requests been reviewed? yes/no/NA
13. Are all samples labeled correctly? yes/no/NA
14. Have all instructions on the service request been followed? (e.g. Special MRLs, QC on a specific sample, Form V) yes/no/NA
15. Are detection limits and units reported correctly? yes/no/NA
16. Is the unused space on the benchsheet crossed out? yes/no/ NA
17. Was analysis turned in by the due date? (n-2) (If not record SR#) yes/no/NA

COMMENTS:

Final Approved by: _____

[Signature]

Date: _____

6/13/14
 REPORT

Analytical Results Summary

Instrument Name: K-FIA-01 Analyst: THIANGANU Analysis Lot: 397097 Method/Testcode: SM 4500-NH3 G/Ammonia

Ab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	POL	% Rec	% RSD	Date Analyzed	QC? Tier
1405359-001	Ammonia as Nitrogen	N/A	Water	Surface Water	0.03 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N II
1405359-002	Ammonia as Nitrogen	N/A	Water	Surface Water	0.02 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N II
1405359-003	Ammonia as Nitrogen	N/A	Water	Surface Water	0.03 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N II
1405359-004	Ammonia as Nitrogen	N/A	Water	Surface Water	0.03 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N II
1405359-005	Ammonia as Nitrogen	N/A	Water	Surface Water	0.01 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N II
1405449-001	Ammonia as Nitrogen	N/A	Water	Ground Water	0.04 mg/L	5 mL	0.036 mg/L J	1	0.020	0.050			6/13/14 08:57:00	Y IV
1405449-002	Ammonia as Nitrogen	N/A	Water	Ground Water	0.05 mg/L	5 mL	0.047 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N IV
1405449-003	Ammonia as Nitrogen	N/A	Water	Ground Water	0.02 mg/L	5 mL	0.023 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N IV
1405449-004	Ammonia as Nitrogen	N/A	Water	Ground Water	0.02 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
1405449-005	Ammonia as Nitrogen	N/A	Water	Ground Water	0.07 mg/L	5 mL	0.066 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N IV
1405449-006	Ammonia as Nitrogen	N/A	Water	Ground Water	0.02 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
1405449-007	Ammonia as Nitrogen	N/A	Water	Ground Water	0.03 mg/L	5 mL	0.025 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N IV
1405449-008	Ammonia as Nitrogen	N/A	Water	Ground Water	0.02 mg/L	5 mL	0.023 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N IV
1405449-009	Ammonia as Nitrogen	N/A	Water	Ground Water	0.01 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
1405449-010	Ammonia as Nitrogen	N/A	Water	Ground Water	0.01 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
1405449-011	Ammonia as Nitrogen	N/A	Water	Ground Water	0.02 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
1405509-002	Ammonia as Nitrogen	N/A	Water	Water	0.10 mg/L	5 mL	0.100 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N II
1405509-004	Ammonia as Nitrogen	N/A	Water	Water	0.02 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N II
1405519-001	Ammonia as Nitrogen	N/A	Water	Water	0.02 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N II
1405519-002	Ammonia as Nitrogen	N/A	Water	Water	0.01 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N II
1405519-003	Ammonia as Nitrogen	N/A	Water	Water	0.91 mg/L	5 mL	0.906 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N II
1405519-004	Ammonia as Nitrogen	N/A	Water	Water	0.58 mg/L	5 mL	0.576 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N II
1405519-005	Ammonia as Nitrogen	N/A	Water	Water	0.05 mg/L	5 mL	0.048 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N II
1405526-001	Ammonia as Nitrogen	N/A	Water	Water	0.48 mg/L	5 mL	0.481 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N II
1405526-002	Ammonia as Nitrogen	N/A	Water	Water	0.01 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N II
1405526-003	Ammonia as Nitrogen	N/A	Water	Water	2.14 mg/L	5 mL	10.7 mg/L J	5	0.10	0.25			6/13/14 08:57:00	N II
1405526-004	Ammonia as Nitrogen	N/A	Water	Water	0.01 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N II
1405530-001	Ammonia as Nitrogen	N/A	Water	Water	0.09 mg/L	5 mL	0.094 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N I

Indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

06/13/14
Thompson

Analytical Results Summary

Instrument Name: K-FIA-01

Analyst: THANGANU

Analysis Lot: 397097

Method/Testcode: SM 4500-NH3 G/Ammonium T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt.	Final Result	Dil	MDL	POI	% Rec	% RSD	Date Analyzed	QC? Tier
1405572-001	Ammonium	N/A		Water	0.01 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N V
1405644-002	Ammonia as Nitrogen	N/A		Water	2.96 mg/L	5 mL	14.8 mg/L	5	0.10	0.25			6/13/14 08:57:00	N II
1405652-001	Ammonia as Nitrogen	N/A		Water	2.12 mg/L	5 mL	2.12 mg/L	1	0.02	0.10			6/13/14 08:57:00	N V
1405653-001	Ammonium	N/A		Water	0.02 mg/L	5 mL	0.020 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N II
1405655-003	Ammonia as Nitrogen	N/A		Water	1.65 mg/L	5 mL	1.65 mg/L	1	0.02	0.10			6/13/14 08:57:00	N V
1405662-001	Ammonia as Nitrogen	N/A		Water	1.44 mg/L	5 mL	1.44 mg/L	1	0.02	0.10			6/13/14 08:57:00	N V
1405681-001	Ammonia as Nitrogen	N/A		Wastewater	0.68 mg/L	5 mL	0.682 mg/L	1	0.020	0.050			6/13/14 08:57:00	N I
1405682-001	Ammonia as Nitrogen	N/A		Ground Water	0.03 mg/L	5 mL	0.033 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N IV
1405682-002	Ammonia as Nitrogen	N/A		Ground Water	0.07 mg/L	5 mL	0.067 mg/L	1	0.020	0.050			6/13/14 08:57:00	N IV
1405682-003	Ammonia as Nitrogen	N/A		Ground Water	0.04 mg/L	5 mL	0.042 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N IV
1405682-004	Ammonia as Nitrogen	N/A		Ground Water	0.03 mg/L	5 mL	0.034 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N IV
1405730-002	Ammonia as Nitrogen	N/A		Water	0.96 mg/L	5 mL	23.9 mg/L	25	0.5	1.3			6/13/14 08:57:00	N I
1405781-001	Ammonia as Nitrogen	N/A		Water	0.02 mg/L	5 mL	0.10 mg/L U	1	0.02	0.10			6/13/14 08:57:00	N V
1405781-002	Ammonia as Nitrogen	N/A		Water	0.44 mg/L	5 mL	0.44 mg/L	1	0.02	0.10			6/13/14 08:57:00	N V
1405781-003	Ammonia as Nitrogen	N/A		Water	0.08 mg/L	5 mL	0.10 mg/L U	1	0.02	0.10			6/13/14 08:57:00	N V
1405781-004	Ammonia as Nitrogen	N/A		Water	0.01 mg/L	5 mL	0.10 mg/L U	1	0.02	0.10			6/13/14 08:57:00	N V
1405781-005	Ammonia as Nitrogen	N/A		Water	0.01 mg/L	5 mL	0.10 mg/L U	1	0.02	0.10			6/13/14 08:57:00	N V
1405781-006	Ammonia as Nitrogen	N/A		Water	0.09 mg/L	5 mL	0.10 mg/L U	1	0.02	0.10			6/13/14 08:57:00	N V
1405783-001	Ammonia as Nitrogen	N/A		Water	0.05 mg/L	5 mL	0.10 mg/L U	1	0.02	0.10			6/13/14 08:57:00	N V
1405783-002	Ammonia as Nitrogen	N/A		Water	2.43 mg/L	5 mL	2.43 mg/L	1	0.02	0.10			6/13/14 08:57:00	N V
1405783-003	Ammonia as Nitrogen	N/A		Water	2.28 mg/L	5 mL	2.28 mg/L	1	0.02	0.10			6/13/14 08:57:00	N V
1405788-001	Ammonia as Nitrogen	N/A		Water	1.46 mg/L	5 mL	1.46 mg/L	1	0.02	0.10			6/13/14 08:57:00	N V
1405788-002	Ammonia as Nitrogen	N/A		Water	1.97 mg/L	5 mL	1.97 mg/L	1	0.02	0.10			6/13/14 08:57:00	N V
1405788-003	Ammonia as Nitrogen	N/A		Water	2.05 mg/L	5 mL	2.05 mg/L	1	0.02	0.10			6/13/14 08:57:00	N V
1405788-004	Ammonia as Nitrogen	N/A		Water	1.88 mg/L	5 mL	1.88 mg/L	1	0.02	0.10			6/13/14 08:57:00	N V
1405827-003	Ammonia as Nitrogen	N/A		Water	1.73 mg/L	5 mL	1.73 mg/L	1	0.02	0.10			6/13/14 08:57:00	N V
1405842-001	Ammonia as Nitrogen	N/A		Water	0.02 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N II
1405842-002	Ammonia as Nitrogen	N/A		Water	0.02 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N II
1405851-001	Ammonia as Nitrogen	N/A		Water	3.07 mg/L	5 mL	30.7 mg/L	10	0.20	0.50			6/13/14 08:57:00	N I
1405851-002	Ammonia as Nitrogen	N/A		Water	0.17 mg/L	5 mL	0.174 mg/L	1	0.020	0.050			6/13/14 08:57:00	N I
Q1406559-01	Ammonia as Nitrogen	MB		Ground Water	0.02 mg/L	5 mL	0.022 mg/L J	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406559-02	Ammonia as Nitrogen	LCS		Ground Water	2.26 mg/L	5 mL	11.3 mg/L	5	0.10	0.25	105		6/13/14 08:57:00	N IV

Indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

Printed 6/13/14 1:4:49

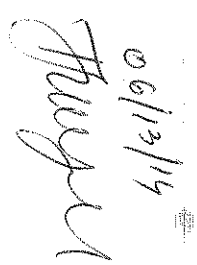
Results Summary

06/13/14
Thangany

Analytical Results Summary

Instrument Name: K-FIA-01		Analyst: THANGANU		Analysis Lot: 397097		Method/Testcode: SM 4500-NH3 G/Ammonia								
Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	POL	% Rec	% RSD	Date Analyzed	QC? Tier
Q1406559-03	Ammonia as Nitrogen	MS	K1405449-001	Ground Water	2.11 mg/L	5 mL	2.11 mg/L	1	0.020	0.050	104		6/13/14 08:57:00	N IV
Q1406559-04	Ammonia as Nitrogen	DMS	K1405449-001	Ground Water	2.08 mg/L	5 mL	2.08 mg/L	1	0.020	0.050	102	2	6/13/14 08:57:00	N IV
Q1406559-08	Ammonia as Nitrogen	MS	K1405652-001	Water	4.14 mg/L	5 mL	4.14 mg/L	1	0.020	0.050	101		6/13/14 08:57:00	N V
Q1406559-09	Ammonia as Nitrogen	DMS	K1405652-001	Water	4.17 mg/L	5 mL	4.17 mg/L	1	0.020	0.050	102	<1	6/13/14 08:57:00	N V
Q1406559-10	Ammonia as Nitrogen	DUP	K1405449-001	Ground Water	0.04 mg/L	5 mL	0.035 mg/L	1	0.020	0.050		2	6/13/14 08:57:00	N IV
Q1406559-11	Ammonia as Nitrogen	DUP	K1405652-001	Water	2.10 mg/L	5 mL	2.10 mg/L	1	0.020	0.050		<1	6/13/14 08:57:00	N V
Q1406560-01	Ammonia as Nitrogen	MB		Water	0.02 mg/L	5 mL	0.050 mg/L	1	0.020	0.050			6/13/14 08:57:00	N II
Q1406560-01	Ammonium	MB		Water	0.02 mg/L	5 mL	0.050 mg/L	1	0.020	0.050			6/13/14 08:57:00	N II
Q1406560-02	Ammonia as Nitrogen	LCS		Water	2.25 mg/L	5 mL	11.2 mg/L	5	0.10	0.25	104		6/13/14 08:57:00	N II
Q1406560-03	Ammonium	MS	K1405572-001	Water	2.12 mg/L	5 mL	2.12 mg/L	1	0.020	0.050	106		6/13/14 08:57:00	N V
Q1406560-04	Ammonium	DMS	K1405572-001	Water	2.12 mg/L	5 mL	2.12 mg/L	1	0.020	0.050	106	<1	6/13/14 08:57:00	N V
Q1406560-05	Ammonium	DUP	K1405572-001	Water	0.01 mg/L	5 mL	0.050 mg/L	1	0.020	0.050		NC	6/13/14 08:57:00	N V
Q1406560-06	Ammonia as Nitrogen	MS	K1405682-001	Ground Water	2.05 mg/L	5 mL	2.05 mg/L	1	0.020	0.050	101		6/13/14 08:57:00	N IV
Q1406560-07	Ammonia as Nitrogen	DMS	K1405682-001	Ground Water	2.03 mg/L	5 mL	2.03 mg/L	1	0.020	0.050	100	<1	6/13/14 08:57:00	N IV
Q1406560-08	Ammonia as Nitrogen	DUP	K1405682-001	Ground Water	0.03 mg/L	5 mL	0.032 mg/L	1	0.020	0.050		4	6/13/14 08:57:00	N IV
Q1406561-01	Ammonia as Nitrogen	MB		Ground Water	0.02 mg/L	5 mL	0.022 mg/L	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406561-02	Ammonia as Nitrogen	LCS		Ground Water	2.24 mg/L	5 mL	11.2 mg/L	5	0.10	0.25	103		6/13/14 08:57:00	N IV
Q1406561-03	Ammonia as Nitrogen	MS	K1405781-001	Water	2.07 mg/L	5 mL	2.07 mg/L	1	0.020	0.050	104		6/13/14 08:57:00	N V
Q1406561-04	Ammonia as Nitrogen	DMS	K1405781-001	Water	2.05 mg/L	5 mL	2.05 mg/L	1	0.020	0.050	102	2	6/13/14 08:57:00	N V
Q1406561-05	Ammonia as Nitrogen	DUP	K1405781-001	Water	0.01 mg/L	5 mL	0.050 mg/L	1	0.020	0.050		NC	6/13/14 08:57:00	N V
Q1406561-06	Ammonia as Nitrogen	MS	K1405842-002	Water	2.05 mg/L	5 mL	2.05 mg/L	1	0.020	0.050	102		6/13/14 08:57:00	N II
Q1406561-07	Ammonia as Nitrogen	DMS	K1405842-002	Water	2.04 mg/L	5 mL	2.04 mg/L	1	0.020	0.050	102	<1	6/13/14 08:57:00	N II
Q1406561-08	Ammonia as Nitrogen	DUP	K1405842-002	Water	0.02 mg/L	5 mL	0.050 mg/L	1	0.020	0.050		NC	6/13/14 08:57:00	N II
Q1406572-01	Ammonia as Nitrogen	CCV		Ground Water	2.00 mg/L	5 mL	2.00 mg/L	1					6/13/14 08:57:00	N IV
Q1406572-01	Ammonium	CCV		Ground Water	2.00 mg/L	5 mL	2.00 mg/L	1					6/13/14 08:57:00	N IV
Q1406572-02	Ammonia as Nitrogen	CCV		Ground Water	2.00 mg/L	5 mL	2.00 mg/L	1					6/13/14 08:57:00	N IV
Q1406572-02	Ammonium	CCV		Ground Water	2.00 mg/L	5 mL	2.00 mg/L	1					6/13/14 08:57:00	N IV
Q1406572-03	Ammonia as Nitrogen	CCV		Ground Water	1.96 mg/L	5 mL	1.96 mg/L	1					6/13/14 08:57:00	N IV

Indicates Final Result is not yet adjusted for Solids because it has not yet been determined.


 6/13/14

Analytical Results Summary

Instrument Name: K-FIA-01

Analyst: THANGANU

Analysis Lot: 397097

Method/Testcode: SM 4500-NH3 G/Ammonium T

ab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	POL	% Rec	% RSD	Date Analyzed	QC2	Tier
Q1406572-03	Ammonium	CCV	Ammonium	Ground Water	1.96 mg/L	5 mL	1.96 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-04	Ammonia as Nitrogen	CCV	Ammonium	Ground Water	1.98 mg/L	5 mL	1.98 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-04	Ammonium	CCV	Ammonium	Ground Water	1.98 mg/L	5 mL	1.98 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-05	Ammonia as Nitrogen	CCV	Ammonium	Ground Water	1.95 mg/L	5 mL	1.95 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-05	Ammonium	CCV	Ammonium	Ground Water	1.95 mg/L	5 mL	1.95 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-06	Ammonia as Nitrogen	CCV	Ammonium	Ground Water	1.97 mg/L	5 mL	1.97 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-06	Ammonium	CCV	Ammonium	Ground Water	1.97 mg/L	5 mL	1.97 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-07	Ammonia as Nitrogen	CCV	Ammonium	Ground Water	1.98 mg/L	5 mL	1.98 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-07	Ammonium	CCV	Ammonium	Ground Water	1.98 mg/L	5 mL	1.98 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-08	Ammonia as Nitrogen	CCV	Ammonium	Ground Water	1.98 mg/L	5 mL	1.98 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-08	Ammonium	CCV	Ammonium	Ground Water	1.98 mg/L	5 mL	1.98 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-09	Ammonia as Nitrogen	CCV	Ammonium	Ground Water	1.96 mg/L	5 mL	1.96 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-09	Ammonium	CCV	Ammonium	Ground Water	1.96 mg/L	5 mL	1.96 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-10	Ammonia as Nitrogen	CCV	Ammonium	Ground Water	1.97 mg/L	5 mL	1.97 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-10	Ammonium	CCV	Ammonium	Ground Water	1.97 mg/L	5 mL	1.97 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-11	Ammonia as Nitrogen	CCV	Ammonium	Ground Water	1.95 mg/L	5 mL	1.95 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-11	Ammonium	CCV	Ammonium	Ground Water	1.95 mg/L	5 mL	1.95 mg/L	1					6/13/14 08:57:00	N	IV
Q1406572-12	Ammonia as Nitrogen	CCV	Ammonium	Ground Water	0.02 mg/L	5 mL	0.050 mg/L	1	0.020	0.050			6/13/14 08:57:00	N	IV
Q1406572-12	Ammonium	CCV	Ammonium	Ground Water	0.02 mg/L	5 mL	0.050 mg/L	1	0.020	0.050			6/13/14 08:57:00	N	IV
Q1406572-13	Ammonia as Nitrogen	CCV	Ammonium	Ground Water	0.02 mg/L	5 mL	0.021 mg/L	1	0.020	0.050			6/13/14 08:57:00	N	IV
Q1406572-13	Ammonium	CCV	Ammonium	Ground Water	0.02 mg/L	5 mL	0.021 mg/L	1	0.020	0.050			6/13/14 08:57:00	N	IV
Q1406572-14	Ammonia as Nitrogen	CCV	Ammonium	Ground Water	0.03 mg/L	5 mL	0.033 mg/L	1	0.020	0.050			6/13/14 08:57:00	N	IV
Q1406572-14	Ammonium	CCV	Ammonium	Ground Water	0.03 mg/L	5 mL	0.033 mg/L	1	0.020	0.050			6/13/14 08:57:00	N	IV
Q1406572-15	Ammonia as Nitrogen	CCV	Ammonium	Ground Water	0.02 mg/L	5 mL	0.050 mg/L	1	0.020	0.050			6/13/14 08:57:00	N	IV

Indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

06/13/14
THANGANU

Analytical Results Summary

Instrument Name: K-FIA-01

Analyst: THANGANU

Analysis Lot: 397097

Method/Testcode: SM 4500-NH3 G/Ammonium T

Lab Code	Target Analytes	QC	Parent Sample	Matrix	Raw Result	Sample Amt	Final Result	Dil	MDL	POL	% Rec	% RSD	Date Analyzed	QC? Tier
Q1406572-15	Ammonium	CCB		Ground Water	0.02 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406572-16	Ammonia as Nitrogen	CCB		Ground Water	0.02 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406572-16	Ammonium	CCB		Ground Water	0.02 mg/L	5 mL	0.022 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406572-17	Ammonia as Nitrogen	CCB		Ground Water	0.02 mg/L	5 mL	0.022 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406572-17	Ammonium	CCB		Ground Water	0.02 mg/L	5 mL	0.022 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406572-18	Ammonia as Nitrogen	CCB		Ground Water	0.02 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406572-18	Ammonium	CCB		Ground Water	0.02 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406572-19	Ammonia as Nitrogen	CCB		Ground Water	0.01 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406572-19	Ammonium	CCB		Ground Water	0.01 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406572-20	Ammonia as Nitrogen	CCB		Ground Water	0.02 mg/L	5 mL	0.023 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406572-20	Ammonium	CCB		Ground Water	0.02 mg/L	5 mL	0.023 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406572-21	Ammonia as Nitrogen	CCB		Ground Water	0.02 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406572-21	Ammonium	CCB		Ground Water	0.02 mg/L	5 mL	0.050 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406572-22	Ammonia as Nitrogen	CCB		Ground Water	0.02 mg/L	5 mL	0.022 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV
Q1406572-22	Ammonium	CCB		Ground Water	0.02 mg/L	5 mL	0.022 mg/L U	1	0.020	0.050			6/13/14 08:57:00	N IV

06/13/14
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Indicates Final Result is not yet adjusted for Solids because it has not yet been determined.

SEAL Analytical

Application Lab

Name of Run : 140613A
 Date of Report : 6/13/2014
 Date of Run : 6/13/2014
 Operator :
 Comment :

Name of Analysis : NH3
 System No. : 1
 Type of System : AA3 HR
 Start/Stop time : 08:57 - 11:27

Channel : 2
 Method : Method 2
 Unit : mg/L
 Calibr. Fit : Linear
 Corr. Coeff. (r) : 0.9999
 Base : -9591
 Gain : 17
 Sensitivity : 0.4808
 Sample Limit 1 :
 Sample Limit 2 :

*LES ID# : Gen-PO4/5-95-J
 T.V. = 10.8
 Spine ID# : 11-Gen-010-113 - T.V. = 2.00
 CCV ID# : 11-Gen-010-28-C T.V. = 2.00
 Syringe Lot# : 4086166
 Filter Lot# : 125063*

Pk	Cup	Sample ID	Value
0	0	B Baseline	0.0054
1	1	P Primer	5.0429
2	1	D Drift	5.0137
3	1	C 5.0	5.0196
4	2	C 2.0	1.9502
5	3	C 0.50	0.4946
6	4	C 0.05	0.0693
7	5	C 0	0.0163
8	1	H1 High	5.0759
9	5	L1 Low	0.0224
10	5	L1 Low	0.0233
11	2	QC1 CCV1	2.0006
12	5	QC2 CCB1	0.0197
13	6	QC1 MB1	0.0222
14	10	QC3 LCS*5	2.2603
15	11	S MBMS	1.9903
16	12	S k1405449-001	0.0360
17	13	S k1405449-001d	0.0352
18	14	S k1405449-001ms	2.1061
19	15	S k1405449-001msd	2.0784
20	16	S k1405449-002	0.0467
21	17	S k1405449-003	0.0233
22	18	S k1405449-004	0.0176
23	2	QC1 CCV2	1.9950
24	5	QC2 CCB2	0.0214
25	19	S k1405449-005	0.0661
26	20	S k1405449-006	0.0151
27	21	S k1405449-007	0.0251
28	22	S k1405449-008	0.0233
29	23	S k1405449-009	0.0126
30	24	S k1405449-010	0.0140
31	25	S k1405449-011	0.0195

100% (T.V. < 2.00)

*06/13/14
 Jurey*

32	26	S	k1405652-001	2.1214
33	27	S	k1405652-001d	2.1035
34	28	S	k1405652-001ms	4.1421
35	2	QC1	CCV3	1.9603
36	5	QC2	CCB3	0.0332
37	29	S	k1405652-001msd	4.1708
38	30	S	k1405359-001	0.0328
39	31	S	k1405359-002	0.0233
40	32	S	k1405359-003	0.0292
41	33	S	k1405359-004	0.0303
42	34	S	k1405359-005	0.0136
43	35	S	k1405509-002	0.0996
44	36	S	k1405509-004	0.0213
45	37	S	k1405519-001	0.0173
46	38	S	k1405519-002	0.0126
47	2	QC1	CCV4	1.9788
48	5	QC2	CCB4	0.0154
49	10	QC3	LCS2*5	2.2479
50	6	QC2	MB2	0.0176
51	39	S	k1405519-003	0.9061
52	40	S	k1405519-004	0.5764
53	41	S	k1405519-005	0.0481
54	42	S	k1405653-001	0.0203
55	0	B	Baseline	0.0054
56	43	S	k1405572-001	0.0113
57	44	S	k1405572-001d	0.0096
58	45	S	k1405572-001ms	2.1172
59	2	QC1	CCV5	1.9512
60	5	QC2	CCB5	0.0157
61	46	S	k1405572-001msd	2.1165
62	47	S	k1405526-001	0.4806
63	48	S	k1405526-002	0.0107
64	49	S	k1405526-003	10.5865
65	50	S	k1405526-004	0.0239
66	51	S	k1405530-001	0.0937
67	52	S	k1405644-002	14.7959
68	53	S	k1405851-001*10	2.9365
69	54	S	k1405851-002	0.1737
70	55	S	k1405655-003	1.6529
71	2	QC1	CCV6	1.9734
72	5	QC2	CCB6	0.0219
73	56	S	k1405662-001	1.4372
74	57	S	k1405681-001	0.6823
75	58	S	rinse	0.0530
76	59	S	k1405682-001	0.0329
77	60	S	k1405682-001d	0.0316
78	61	S	k1405682-001ms	2.0535
79	62	S	k1405682-001msd	2.0289
80	63	S	k1405682-002	0.0665
81	64	S	k1405682-003	0.0424
82	65	S	k1405682-004	0.0335
83	2	QC1	CCV7	1.9751
84	5	QC2	CCB7	0.0156
85	10	QC3	LCS3*5	2.2352
86	6	QC2	MB3	0.0221
87	66	S	k1405730-002	23.0469
88	67	S	k1405781-001	0.0221

10.5865 } NR
 0.0239 } NR
 14.7959 } NR
 23.0469 } NR

06/13/14
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89	68	S	k1405781-001d	0.0390	NR
90	0	B	Baseline	0.0054	
91	69	S	k1405781-001ms	2.0713	
92	70	S	k1405781-001msd	2.0472	
93	71	S	k1405781-002	0.4441	
94	72	S	k1405781-003	0.0835	
95	2	QC1	CCV8	1.9786	
96	5	QC2	CCB8	0.0105	
97	73	S	k1405781-004	0.0099	
98	74	S	k1405781-005	0.0066	
99	75	S	k1405781-006	0.0852	
100	76	S	k1405783-001	0.0471	
101	77	S	k1405783-002	2.4288	
102	78	S	k1405783-003	2.2807	
103	79	S	k1405788-001	1.4640	
104	80	S	k1405788-002	1.9669	
105	81	S	k1405788-003	2.0457	
106	82	S	k1405788-004	1.8835	
107	2	QC1	CCV9	1.9621	
108	5	QC2	CCB9	0.0227	
109	83	S	k1405827-003	1.7296	
110	84	S	k1405842-001	0.0225	
111	85	S	k1405842-002	0.0197	
112	86	S	k1405842-002d	0.0186	
113	87	S	k1405842-002ms	2.0498	
114	88	S	k1405842-002msd	2.0366	
115	7	S	rinse	0.0213	
116	16	S	k1405449-002	0.0278	NR
117	30	S	k1405359-001	0.0104	NR
118	50	S	k1405526-004	0.0113	
119	2	QC1	CCV10	1.9744	
120	5	QC2	CCB10	0.0173	
121	51	S	k1405530-001	0.0884	NR
122	53	S	k1405851-001*10	3.0726	
123	89	S	k1405526-003*5	2.1351	
124	90	S	k1405644-002*5	2.9559	
125	7	S	rinse	0.0247	
126	91	S	k1405781-001	0.0160	
127	92	S	k1405781-001d	0.0116	
128	93	S	k1405730-002*25	0.9567	
129	94	S	k1405783-001	0.0494	NR
130	95	S	k1405783-002	2.4166	NR
131	2	QC1	CCV11	1.9470	
132	5	QC2	CCB11	0.0215	
133	1	D	Drift	5.0137	
134	0	B	Baseline	0.0054	
135	0	B	Final Base	0.0054	

06/13/14
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CORRECTIONS

Channel	:	2
Baseline	:	Yes
Drift	:	Yes
Carryover	:	Yes
%:		1.4

** <END OF REPORT> **

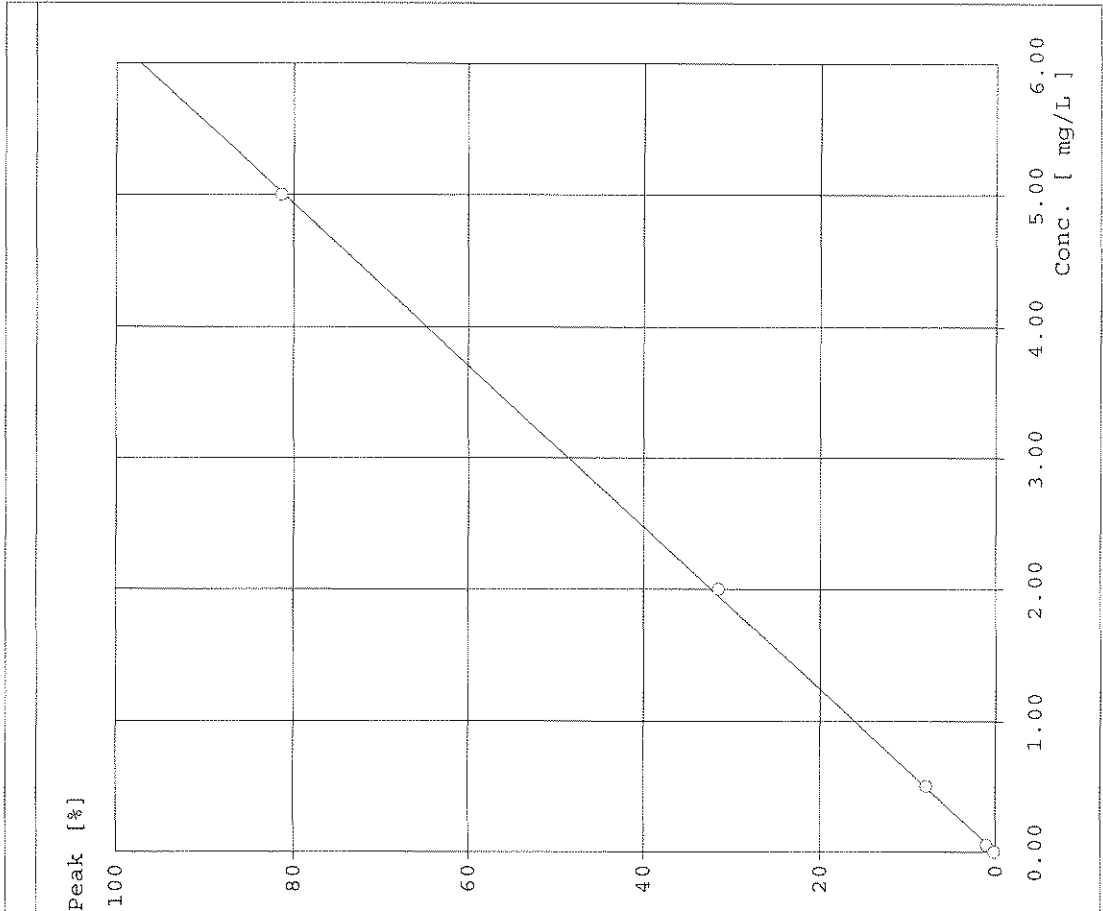
06/13/14
J. [Signature]

SEAL Analytical

Application Lab

Name of run : 140613A.run
Comment :

Name of analysis : NH3
Date of report : 6/13/2014



Channel : 2 Date of run : 6/13/2014
 Method : Method 2
 Curve fit : Linear
 Corr.coef.(r) : 0.9999
 Equation : $y = bx + a$
 $y = \text{conc. in}$
 $x = \text{peak height in digital units}$
 $a = -2.9278E-001$
 $b = 9.4054E-005$

Corrections
 Baseline Corr. done
 Drift Correction done
 Carryover Corr. done 1.40 %

Calibrant Values

Type	Calculated	Target	Diff. [mg/L]	Diff. (%)
1C	5.0196	5.0000	0.0196	0.39
2C	1.9502	2.0000	-0.0498	-2.49
3C	0.4946	0.5000	-0.0054	-1.07
4C	0.0693	0.0500	0.0193	38.65
5C	0.0163	0.0000	0.0163	---

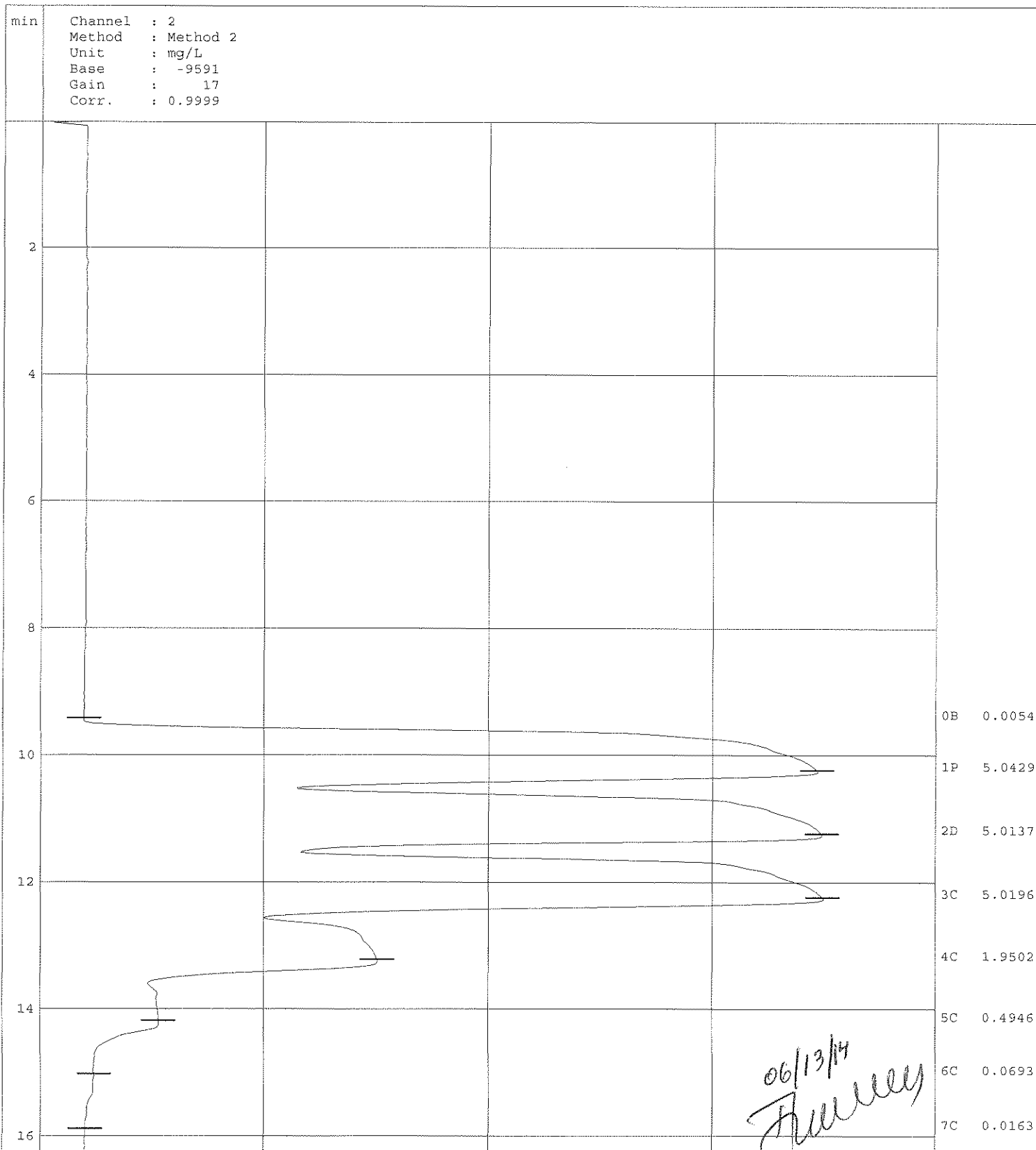
06/13/14
Muller

SEAL Analytical

Application Lab

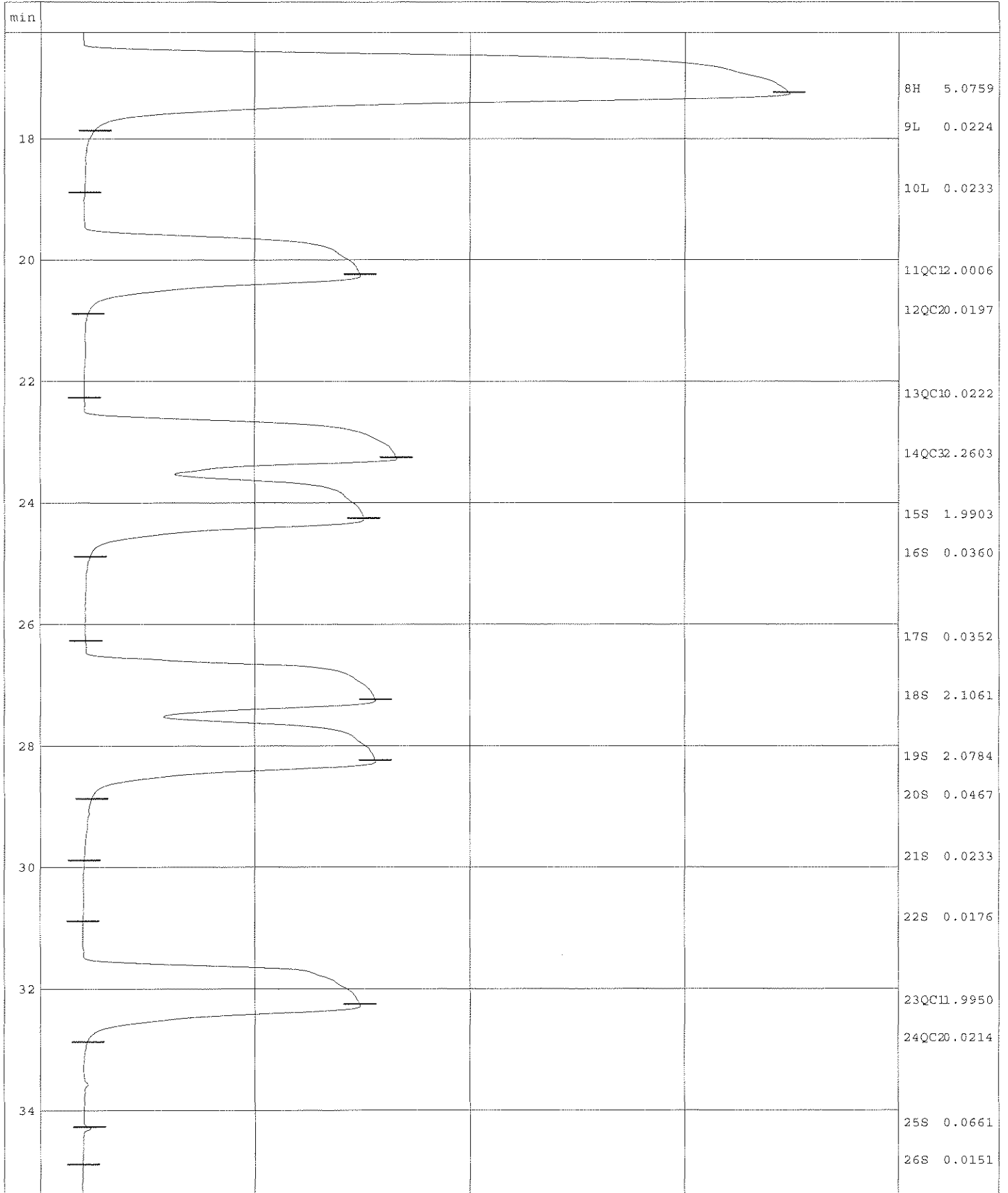
Name of run :140613A.RUN
Comment :

Name of analysis :NH3



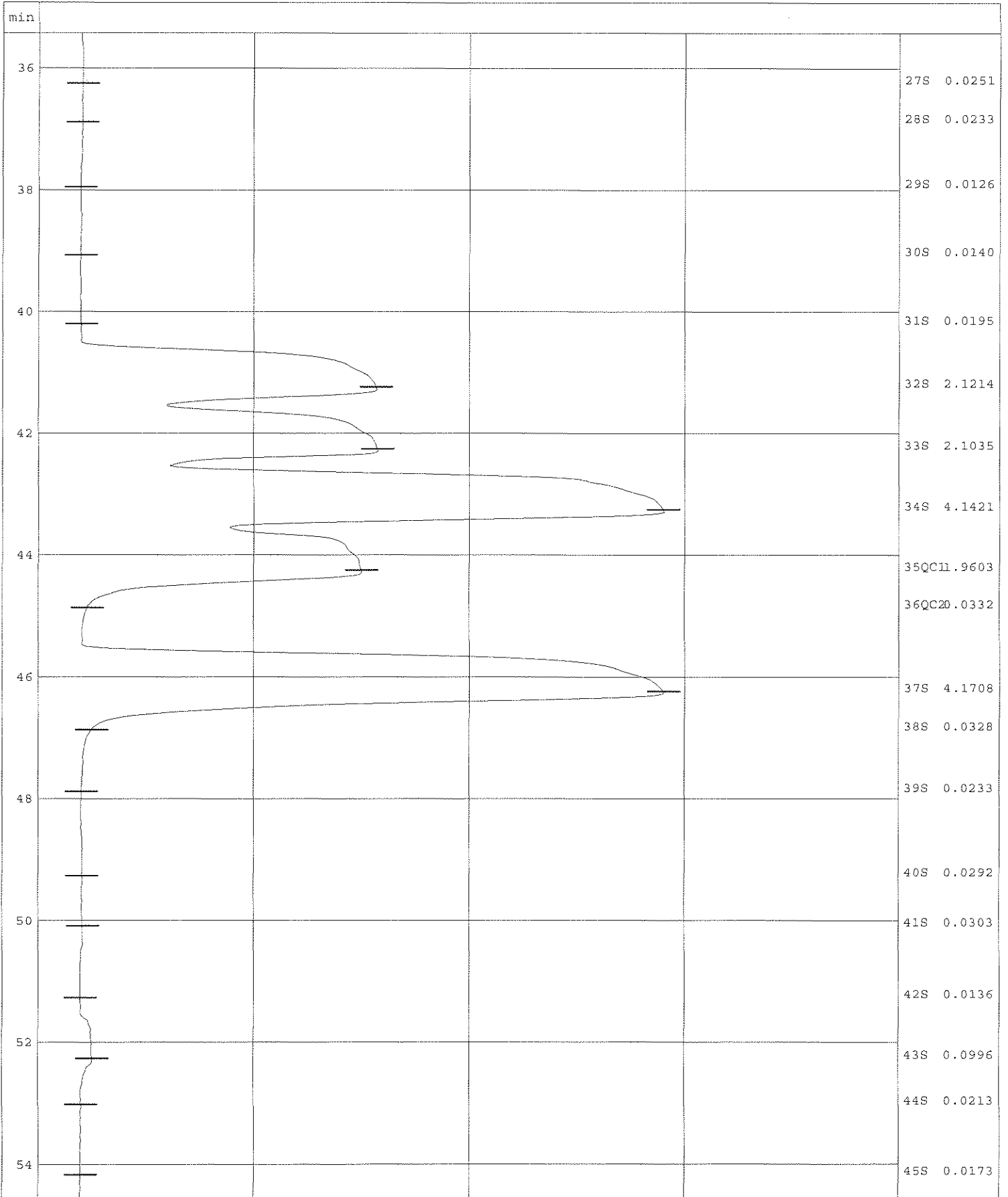
Name of run :140613A.RUN
 Comment :

Name of analysis :NH3



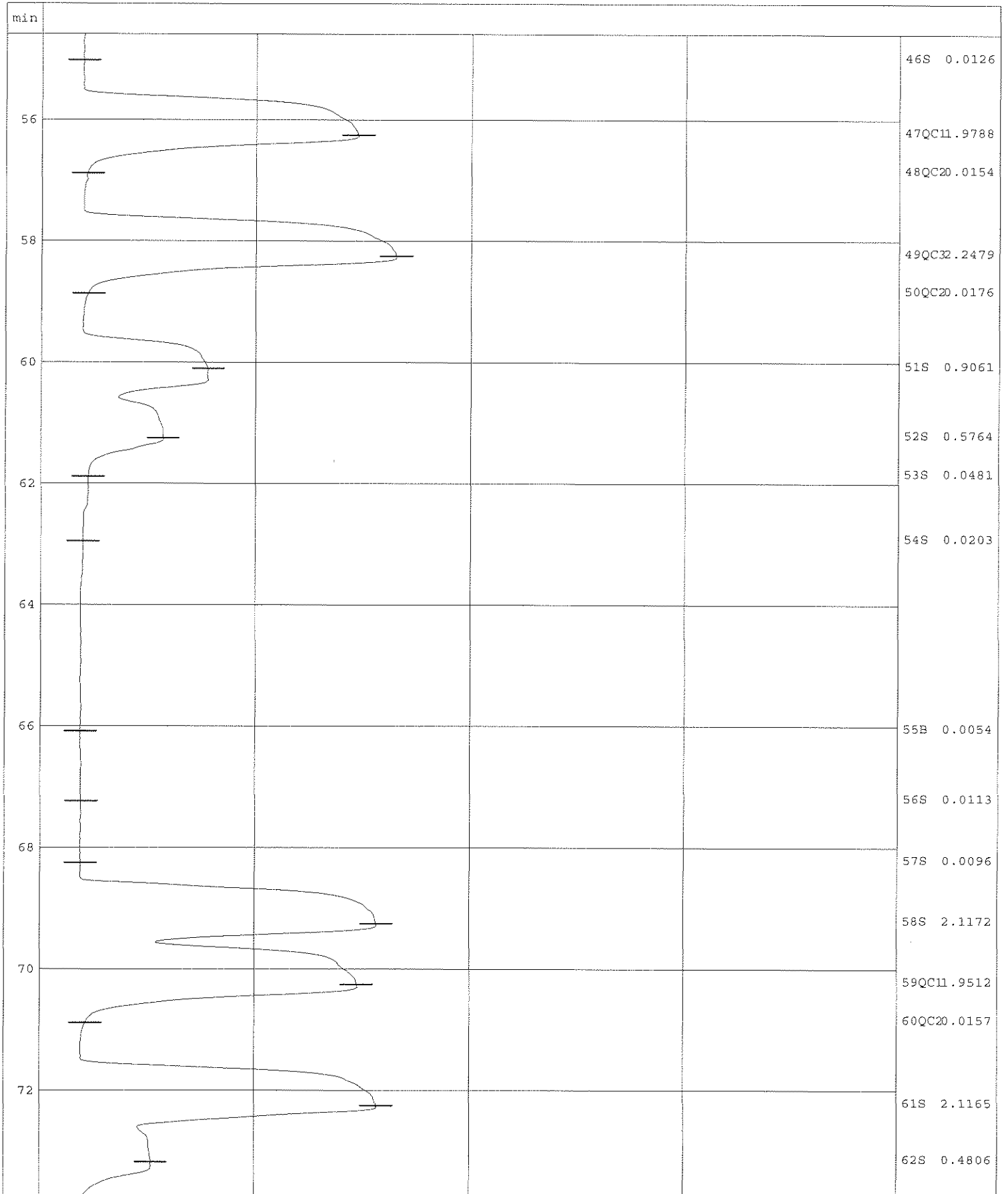
Name of run :140613A.RUN
 Comment :

Name of analysis :NH3



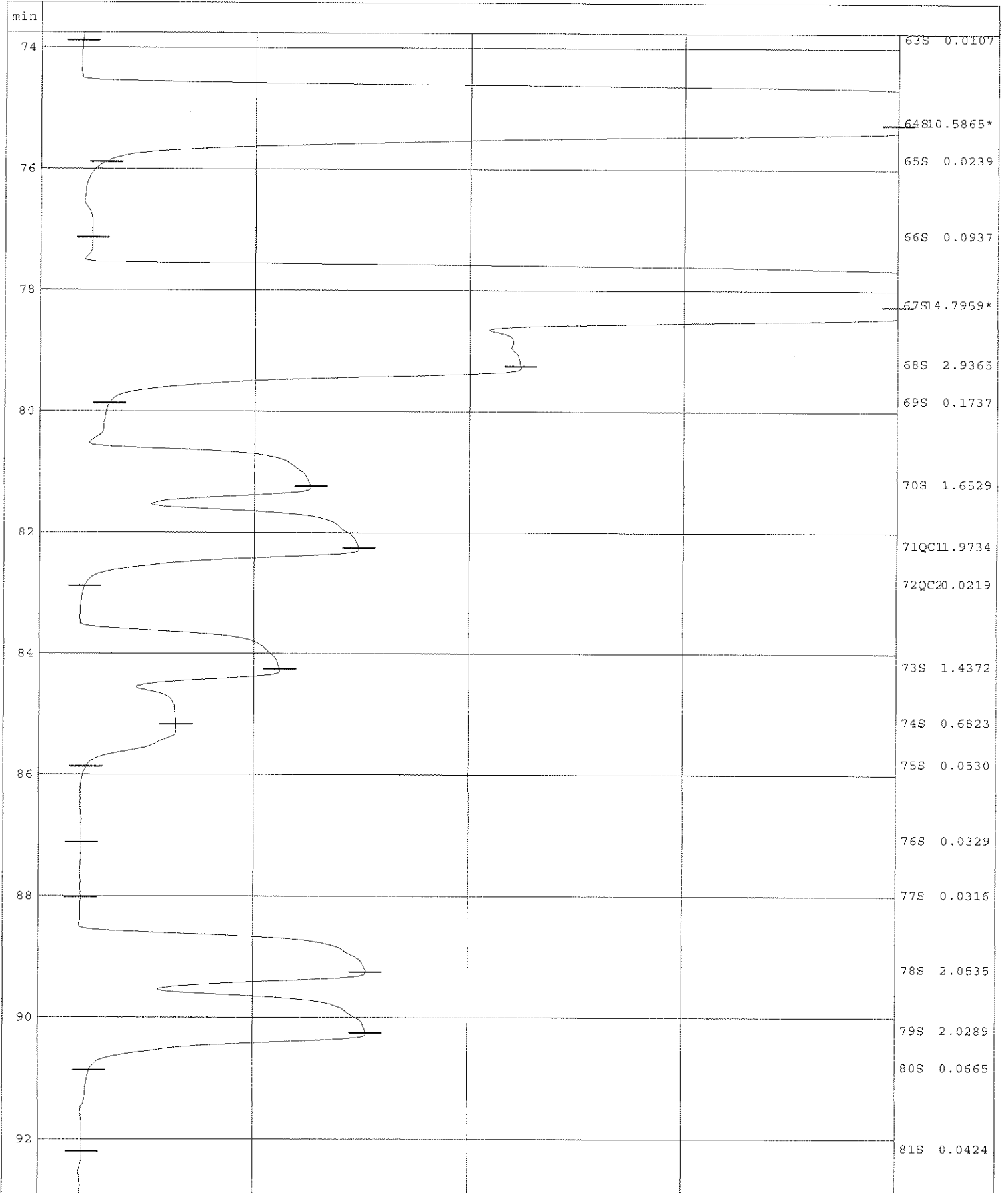
Name of run :140613A.RUN
 Comment :

Name of analysis :NH3



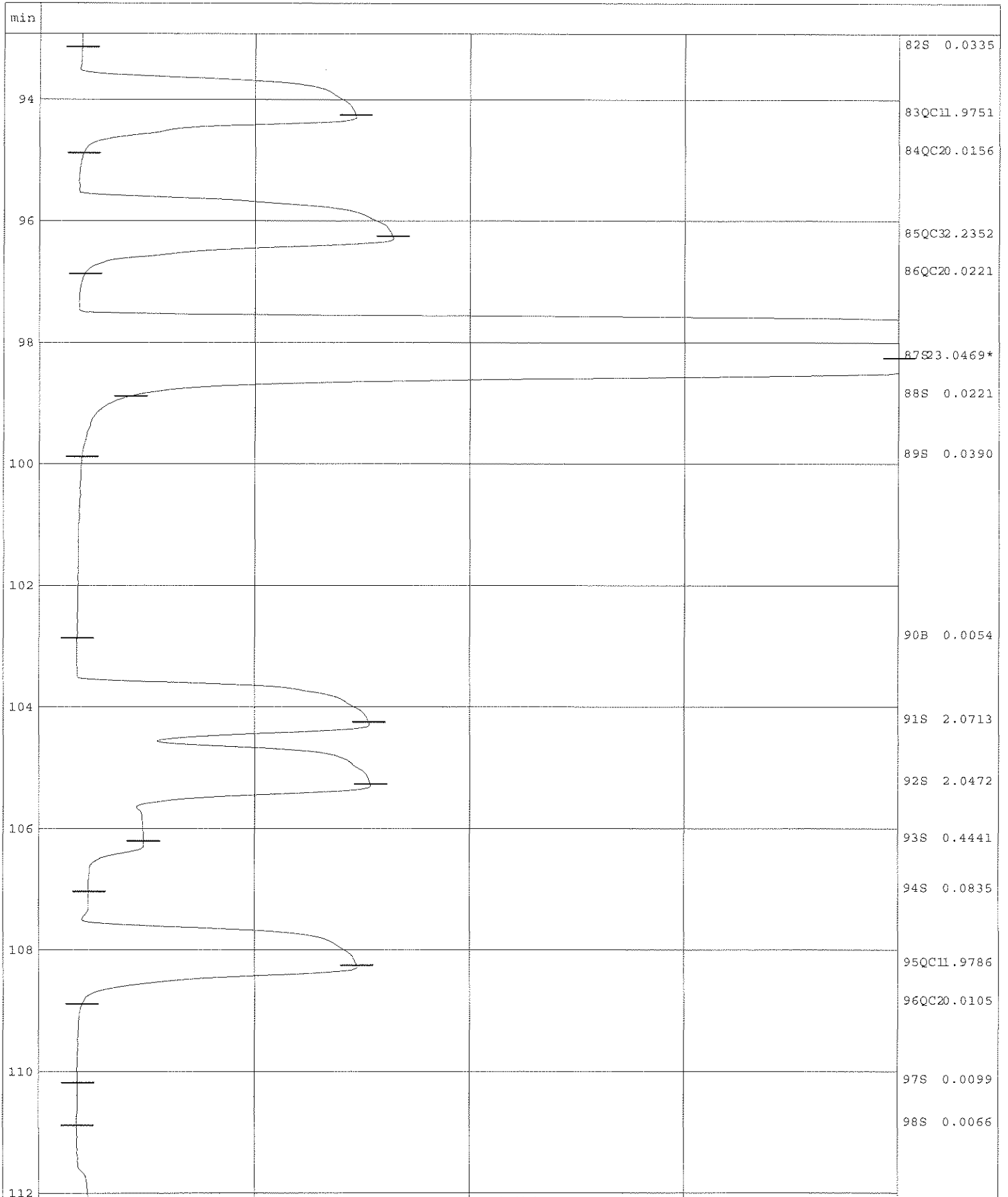
Name of run :140613A.RUN
Comment :

Name of analysis :NH3



Name of run :140613A.RUN
 Comment :

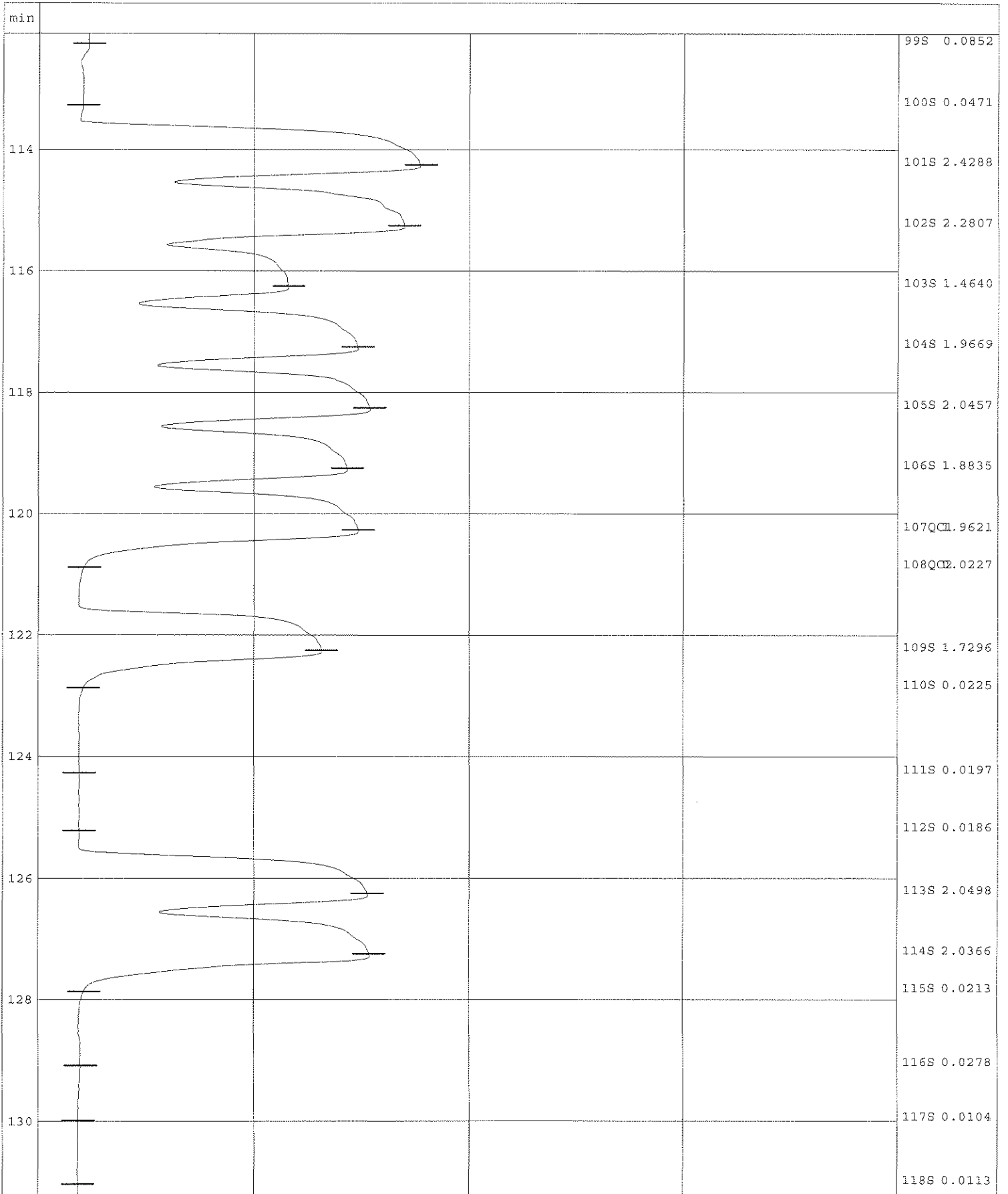
Name of analysis :NH3



Name of run :140613A.RUN

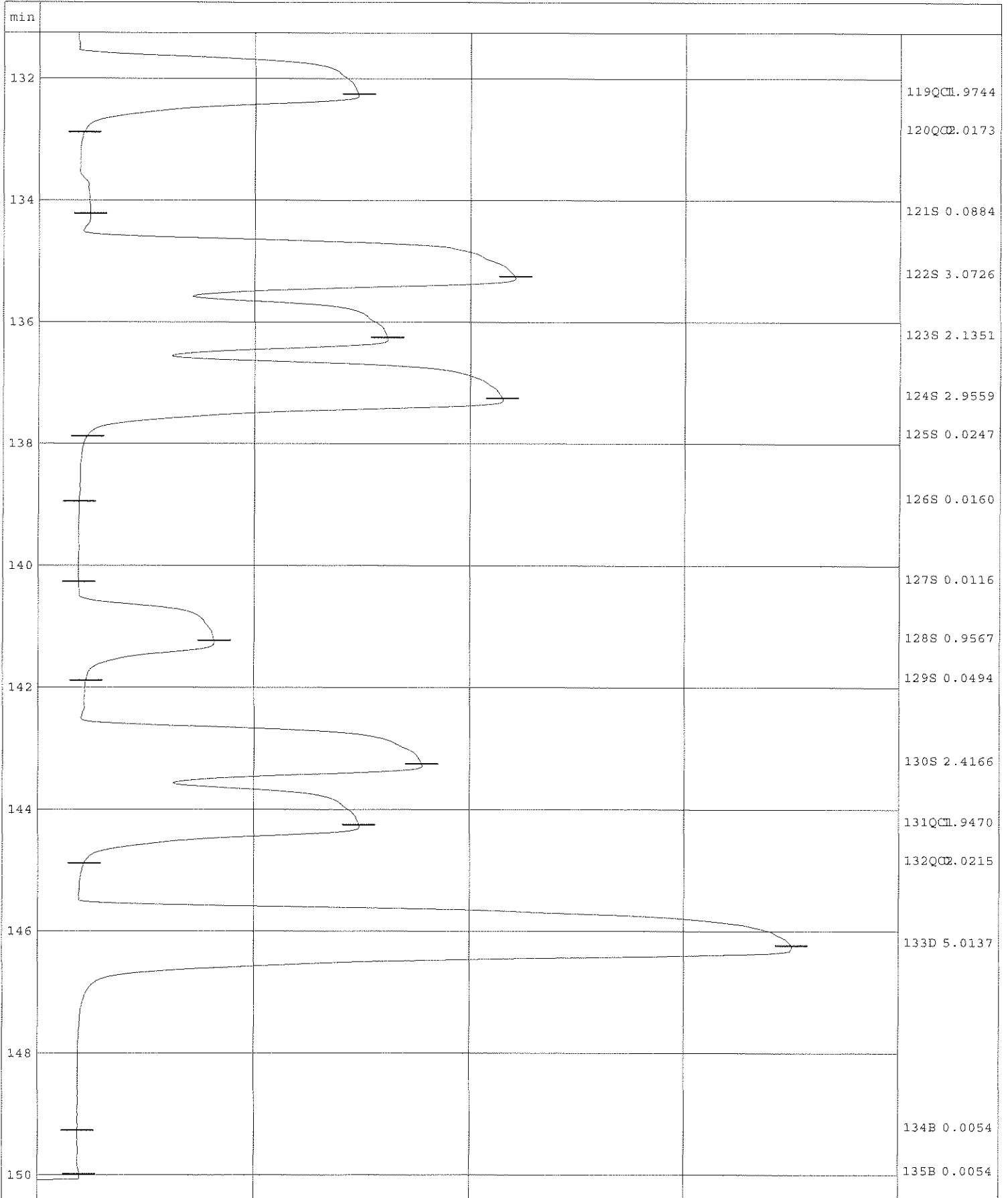
Name of analysis :NH3

Comment :



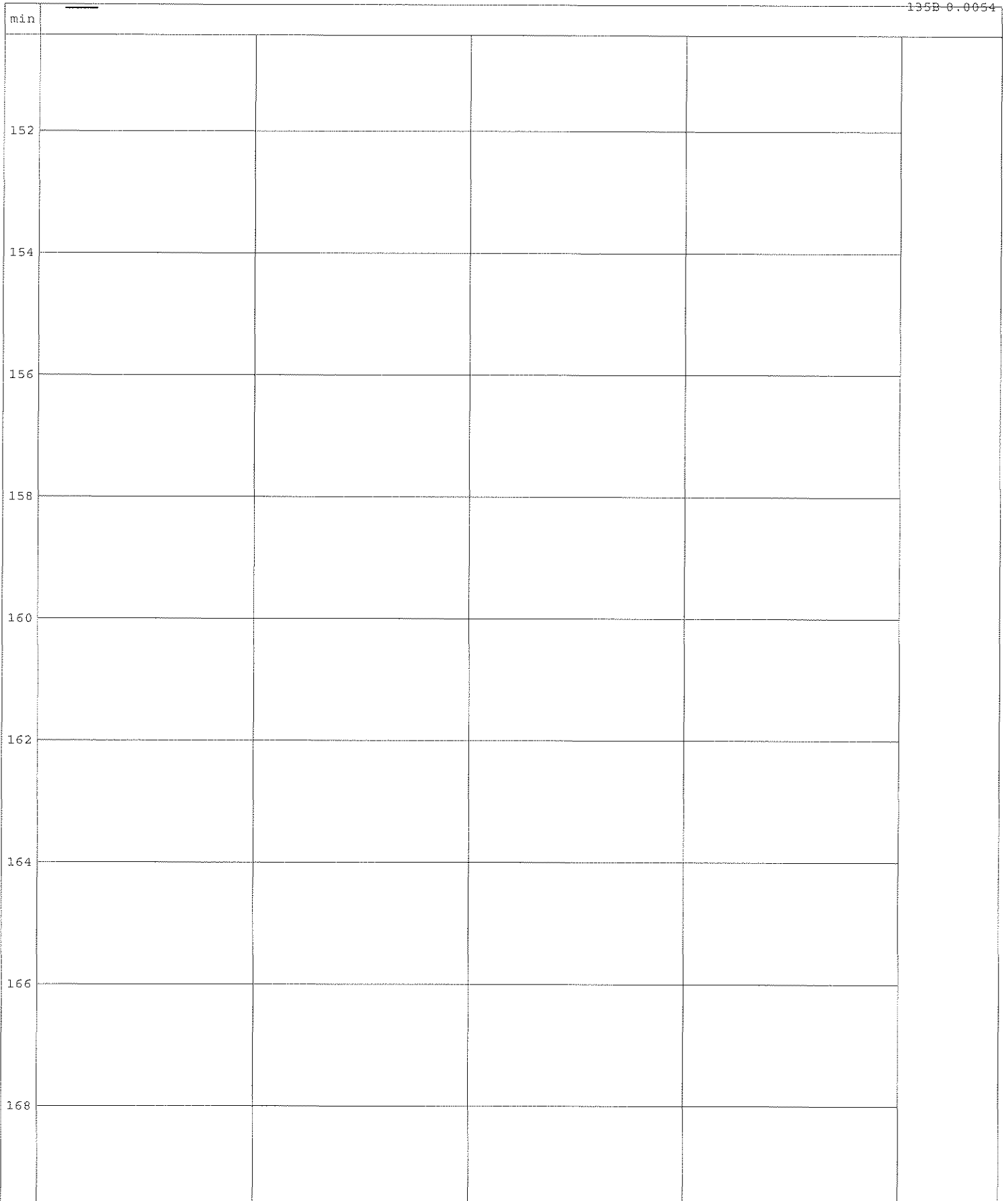
Name of run :140613A.RUN
Comment :

Name of analysis :NH3



Name of run :140613A.RUN
Comment :

Name of analysis :NH3



Preparation Information Benchsheet

Prep Run#: 210798
 Team: GenChem/THANGANU
 Number of Copies to make: 4

Prep Workflow: GenExt28Day
 Prep Method: Method

Status: Prepped
 Prep Date/Time: 6/13/14 10:31 AM

#	Lab Code	Client ID	B#	Method /Test	pH	Matrix	Amt. Ext.	Final Vol	Sample Description
1	KQ1406559-01	MB		SM 4500-NH3 G/Amonia		Liquid	5mL	5.00mL	
2	KQ1406559-02	LCS		SM 4500-NH3 G/Amonia		Liquid	5mL	5.00mL	
3	K1405449-001	MWH-A15	.09	SM 4500-NH3 G/Amonia		Ground Water	5mL	5.00mL	
4	KQ1406559-10	K1405449-001 DUP	.09	SM 4500-NH3 G/Amonia		Liquid	5mL	5.00mL	
5	KQ1406559-03	K1405449-001 MS	.09	SM 4500-NH3 G/Amonia		Liquid	5mL	5.00mL	
6	KQ1406559-04	K1405449-001 DMS	.09	SM 4500-NH3 G/Amonia		Liquid	5mL	5.00mL	
7	K1405449-002	MWH-B15	.09	SM 4500-NH3 G/Amonia		Ground Water	5mL	5.00mL	
8	K1405449-003	MWH-A17-03-FB	.09	SM 4500-NH3 G/Amonia		Ground Water	5mL	5.00mL	
9	K1405449-004	MWH-A17-03	.09	SM 4500-NH3 G/Amonia		Ground Water	5mL	5.00mL	
10	K1405449-005	SRK-04S	.09	SM 4500-NH3 G/Amonia		Ground Water	5mL	5.00mL	
11	K1405449-006	SRK-03S	.09	SM 4500-NH3 G/Amonia		Ground Water	5mL	5.00mL	
12	K1405449-007	MWH-A19	.09	SM 4500-NH3 G/Amonia		Ground Water	5mL	5.00mL	
13	K1405449-008	MWH-A19-02	.09	SM 4500-NH3 G/Amonia		Ground Water	5mL	5.00mL	
14	K1405449-009	MWH-A18	.09	SM 4500-NH3 G/Amonia		Ground Water	5mL	5.00mL	
15	K1405449-010	MWH-A18-04	.09	SM 4500-NH3 G/Amonia		Ground Water	5mL	5.00mL	
16	K1405449-011	MWH-B20	.09	SM 4500-NH3 G/Amonia		Ground Water	5mL	5.00mL	
17	K1405652-001	CAR-001EFF-20140605	.02	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
18	KQ1406559-11	K1405652-001 DUP	.02	SM 4500-NH3 G/Amonia		Liquid	5mL	5.00mL	
19	KQ1406559-08	K1405652-001 MS	.02	SM 4500-NH3 G/Amonia		Liquid	5mL	5.00mL	
20	KQ1406559-09	K1405652-001 DMS	.02	SM 4500-NH3 G/Amonia		Liquid	5mL	5.00mL	
21	K1405359-001	Marg Below	.05	SM 4500-NH3 G/Amonia		Surface Water	5mL	5.00mL	
22	K1405359-002	Marg Above	.05	SM 4500-NH3 G/Amonia		Surface Water	5mL	5.00mL	
23	K1405359-003	Pop Below	.05	SM 4500-NH3 G/Amonia		Surface Water	5mL	5.00mL	
24	K1405359-004	Pop Below Dup	.05	SM 4500-NH3 G/Amonia		Surface Water	5mL	5.00mL	
25	K1405359-005	052814BK	.05	SM 4500-NH3 G/Amonia		Surface Water	5mL	5.00mL	
26	K1405509-002	CDTESPEA Comp	.01	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
27	K1405509-004	CRCYPEA Comp	.01	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	

6/13/14

Preparation Information Benchsheet

Prep Run#: 210798
Team: GenChem/THANGANU

Prep Workflow: GenEx128Day
Prep Method: Method

Status: Prepped
Prep Date/Time: 6/13/14 10:31 AM

Preparation Steps

Step: Extraction
Started: 6/13/14 10:31
Finished: 6/13/14 10:36
By: THANGANU

Comments

Comments: _____

Reviewed By: _____ Date: _____

Chain of Custody

Relinquished By: _____ Date: _____

Received By: _____ Date: _____

Extracts Examined
Yes No

W
6/13/14

Preparation Information Benchsheet

Prep Run#: 210802
 Team: GenChem/THANGANU
 Number of Copies to make: 7

Prep Workflow: GenExc128Day
 Prep Method: Method

Status: Prepped
 Prep Date/Time: 6/13/14 10:42 AM

#	Lab Code	Client ID	B#	Method /Test	pH	Matrix	Amt. Ext.	Final Vol	Sample Description
1	KQ1406561-01	MB		SM 4500-NH3 G/Ammونيا		Liquid	5ml	5.00mL	
2	KQ1406561-02	LCS		SM 4500-NH3 G/Ammونيا		Liquid	5ml	5.00mL	
3	K1405682-003	MWH-B07	.09	SM 4500-NH3 G/Ammونيا		Ground Water	5ml	5.00mL	
4	K1405682-004	MWH-B05	.09	SM 4500-NH3 G/Ammونيا		Ground Water	5ml	5.00mL	
5	K1405730-002	060514-2	.02	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
6	KQ1406561-03	K1405781-001 MS	.02	SM 4500-NH3 G/Ammونيا		Liquid	5ml	5.00mL	
7	KQ1406561-04	K1405781-001 DMS	.02	SM 4500-NH3 G/Ammونيا		Liquid	5ml	5.00mL	
8	KQ1406561-05	K1405781-001 DUP	.02	SM 4500-NH3 G/Ammونيا		Liquid	5ml	5.00mL	
9	K1405781-001	CAK-SH109-20140609	.02	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
10	K1405781-002	CAK-SH113-20140609	.02	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
11	K1405781-003	CAK-SH105-20140609	.02	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
12	K1405781-004	CAK-SH103-20140609	.02	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
13	K1405781-005	CAK-SH111-20140609	.02	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
14	K1405781-006	CAK-069-20140609	.02	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
15	K1405783-001	CAK-DSCS-20140609	.02	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
16	K1405783-002	CAK-TTF-20140609	.02	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
17	K1405783-003	CAK-CPMD-20140609	.02	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
18	K1405788-001	CAK-001EFF-20140606	.01	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
19	K1405788-002	CAK-001EFF-20140607	.01	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
20	K1405788-003	CAK-001EFF-20140608	.01	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
21	K1405788-004	CAK-001EFF-20140609	.01	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
22	K1405827-003	CAK-002EEF-20140610	.01	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
23	K1405842-001	Effluent (Kjeldahl)	.03	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
24	K1405842-002	Raw (Kjeldahl)	.03	SM 4500-NH3 G/Ammونيا		Water	5ml	5.00mL	
25	KQ1406561-08	K1405842-002 DUP	.03	SM 4500-NH3 G/Ammونيا		Liquid	5ml	5.00mL	
26	KQ1406561-06	K1405842-002 MS	.03	SM 4500-NH3 G/Ammونيا		Liquid	5ml	5.00mL	
27	KQ1406561-07	K1405842-002 DMS	.03	SM 4500-NH3 G/Ammونيا		Liquid	5ml	5.00mL	

Preparation Information Benchsheet

Prep Run#: 210802
Team: GenChen/THANGANU

Prep Workflow: GenExc28Day
Prep Method: Method

Status: Prepped
Prep Date/Time: 6/13/14 10:42 AM

Preparation Steps

Step: Extraction
Started: 6/13/14 10:42
Finished: 6/13/14 10:46
By: THANGANU
Comments

Comments: _____

Reviewed By: _____ Date: _____

Chain of Custody
Relinquished By: _____ Date: _____

Received By: _____ Date: _____

Extracts Examined
Yes No

Preparation Information Benchsheet

Prep Run#: 210799
 Team: GenChem/THANGANU
 Number of Copies to make: 11

Prep Workflow: GenEx128Day
 Prep Method: Method

Status: Prepped
 Prep Date/Time: 6/13/14 10:37 AM

#	Lab Code	Client ID	B#	Method /Test	pH	Matrix	Amt. Ext.	Final Vol	Sample Description
1	KQ1406560-01	MB		SM 4500-NH3 G/Amonia		Liquid	5mL	5.00mL	
2	KQ1406560-01	MB		SM 4500-NH3 G/Amonium T		Liquid	5mL	5.00mL	
3	KQ1406560-02	LCS		SM 4500-NH3 G/Amonia		Liquid	5mL	5.00mL	
4	KQ1406560-02	LCS		SM 4500-NH3 G/Amonium T		Liquid	5mL	5.00mL	
5	K1405519-001	BXS-1	.03	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
6	K1405519-002	BXS-2	.03	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
7	K1405519-003	BXS-3	.03	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
8	K1405519-004	BXS-4	.03	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
9	K1405519-005	BXS-5	.03	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
10	K1405653-001	GM 22544	.01	SM 4500-NH3 G/Amonium T		Water	5mL	5.00mL	
11	K1405572-001	SYC14-ODMDS-SW	.07	SM 4500-NH3 G/Amonium T		Water	5mL	5.00mL	
12	KQ1406560-05	K1405572-001 DUP	.07	SM 4500-NH3 G/Amonium T		Liquid	5mL	5.00mL	
13	KQ1406560-03	K1405572-001 MS	.07	SM 4500-NH3 G/Amonium T		Liquid	5mL	5.00mL	
14	KQ1406560-04	K1405572-001 DMS	.07	SM 4500-NH3 G/Amonium T		Liquid	5mL	5.00mL	
15	K1405526-001	BXN-1	.02	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
16	K1405526-002	BXN-2	.02	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
17	K1405526-003	BXN-4	.02	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
18	K1405526-004	BXN-6	.02	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
19	K1405530-001	Effluent	.06	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
20	K1405644-002	333-02C-060314	.05	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
21	K1405851-001	WWTP - Weekly Influent	.01	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
22	K1405851-002	WWTP - Weekly Effluent	.01	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
23	K1405655-003	CAK-002EFF-20140605	.01	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
24	K1405662-001	CAK-001EFF-20140604	.01	SM 4500-NH3 G/Amonia		Water	5mL	5.00mL	
25	K1405681-001	F0214	.04	SM 4500-NH3 G/Amonia		Wastewater	5mL	5.00mL	
26	K1405682-001	MWH-B04	.09	SM 4500-NH3 G/Amonia		Ground Water	5mL	5.00mL	
27	KQ1406560-08	K1405682-001 DUP	.09	SM 4500-NH3 G/Amonia		Liquid	5mL	5.00mL	
28	KQ1406560-06	K1405682-001 MS	.09	SM 4500-NH3 G/Amonia		Liquid	5mL	5.00mL	
29	KQ1406560-07	K1405682-001 DMS	.09	SM 4500-NH3 G/Amonia		Liquid	5mL	5.00mL	
30	K1405682-002	MWH-B03	.09	SM 4500-NH3 G/Amonia		Ground Water	5mL	5.00mL	

Preparation Information Benchsheet

Prep Run#: 210799
Team: GenChem/THANGANU

Prep Workflow: GenEx128Day
Prep Method: Method

Status: Prepped
Prep Date/Time: 6/13/14 10:37 AM

Preparation Steps

Step: Extraction
Started: 6/13/14 10:37
Finished: 6/13/14 10:42
By: THANGANU
Comments

Comments: _____

Reviewed By: _____ Date: _____

Chain of Custody

Relinquished By: _____ Date: _____

Received By: _____ Date: _____

Extracts Examined
Yes No



Metals

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Preparation Information Benchsheet

Prep Run: 210945

Prep Workflow: MetDig3010A

Status: Prepped

Prep Date: 06/17/2014

Team: Metals

Prep Method: EPA 3010A

Current Step: Digestion

09:23

Analyst: Anna
Cheatley

Rush/NPDES: N/A

Due Date: 06/21/2014

Hold Date: 11/30/2014

Lab Code	Client ID	Bottle #	Initial Amt	Final Volume	Spike Amt	Spike ID	TestNo List	Comments
KQ1406645-01	Method Blank		50 mL	50 mL			Se T	6%HNO3,5%HCl
KQ1406645-02	Lab Control Sample		50 mL	50 mL	0.2 mL	67891	Se T	6%HNO3,5%HCl
K1405572-001	SYC14-ODMDS-SW	.01	50 mL	50 mL			Se T	6%HNO3,5%HCl
K1405721-001	UM-E0605-UM-D13-101	.01	50 mL	50 mL			Se T	6%HNO3,5%HCl
K1405721-002	UM-E0605-FM-D13-102	.01	50 mL	50 mL			Se T	6%HNO3,5%HCl
K1405721-002: KQ1406645-06	Duplicate	.01	50 mL	50 mL			Se T	6%HNO3,5%HCl
K1405721-002: KQ1406645-07	Matrix Spike	.01	50 mL	50 mL	0.2 mL	66698	Se T	6%HNO3,5%HCl
K1405721-003	UM-E0605-UM-D13-105	.01	50 mL	50 mL			Se T	6%HNO3,5%HCl
K1405721-004	UM-E0605-FM-D13-106	.01	50 mL	50 mL			Se T	6%HNO3,5%HCl
K1405721-005	UM-E0605-UM-D13-109	.01	50 mL	50 mL			Se T	6%HNO3,5%HCl
K1405721-006	UM-E0605-FM-D13-110	.01	50 mL	50 mL			Se T	6%HNO3,5%HCl
K1405818-001	SYC14-SW	.02	50 mL	50 mL			Se T	6%HNO3,5%HCl
K1405818-002	SYC14-AC Elutriate	.19	50 mL	50 mL			Se T	6%HNO3,5%HCl
K1405818-002: KQ1406645-03	Duplicate	.19	50 mL	50 mL			Se T	6%HNO3,5%HCl
K1405818-002: KQ1406645-04	Matrix Spike	.19	50 mL	50 mL	0.2 mL	66698	Se T	6%HNO3,5%HCl
K1405818-002: KQ1406645-05	Duplicate Matrix Spike	.19	50 mL	50 mL	0.2 mL	66698	Se T	6%HNO3,5%HCl
K1405818-003	SYC14-TB1 Elutriate	.08	50 mL	50 mL			Se T	6%HNO3,5%HCl
K1405818-004	SYC14-TB2 Elutriate	.08	50 mL	50 mL			Se T	6%HNO3,5%HCl

18 Total Samples consisting of 11 Client Samples, 5 Client QC Samples, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Name	Type	ID	Expires	Name	Type	ID	Expires
K-MET GFLCSW	Spike	67891	8/31/2014	K-MET SS2	Spike	66698	7/26/2014

Preparation Materials

Step	Name	ID	Step	Name	ID
Digestion	K-MET HCL	58633	Digestion	K-MET HNO3	69962
Digestion	K-MET 50ml Centrifuge Tube	63655			

Preparation Hardware / Equipment

Step	Name	Property	Value	Step	Name	Property	Value
Digestion	K-HotPlate-02	Temperature Thermo 211917599	93 deg C	Digestion	K-HotPlate-04	Temperature Thermo 211922114	95 deg C

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Digestion	17-JUN-14 09:23	17-JUN-14 14:20	Anna Cheatley		N	

Comments

Thermo 211917599 Observed temperature=93C. Correction factor=0. Corrected temperature=93C. Thermo 211922114 Observed temperature=95C. Correction factor=0. Corrected temperature=95C.

Review

Reviewed by: BSJ Date: 6/18/14

Preparation Information Benchsheet

Prep Run: 210943 **Prep Workflow:** MetDigAqMS **Status:** Prepped **Prep Date:** 06/16/2014
Team: Metals **Prep Method:** METALS **Current Step:** Digestion **Due Date:** 06/21/2014
Analyst: Anna **Rush/NPDES:** N/A **Hold Date:** 11/30/2014
 EPA CLP- ILM04.0

Lab Code	Client ID	Bottle #	Initial Amt	Final Volume	Spike Amt	Spike ID	TestNo List	Comments
KQ1406643-01	Method Blank		50 mL	50 mL			Metals T	1%HNO3 ULTREX
KQ1406643-02	Lab Control Sample		50 mL	50 mL	0.1 mL 0.5 mL 0.5 mL 0.5 mL	65422 70315 70786 71264	Metals T	1%HNO3 ULTREX
K1405572-001	SYC14-ODMDS-SW	.01	2.5 mL	50 mL			Metals T	1%HNO3 ULTREX
K1405818-001	SYC14-SW	.02	2.5 mL	50 mL			Metals T	1%HNO3 ULTREX
K1405818-002	SYC14-AC Elutriate	.19	2.5 mL	50 mL			Metals T	1%HNO3 ULTREX
K1405818-002: KQ1406643-03	Duplicate	.19	2.5 mL	50 mL			Metals T	1%HNO3 ULTREX
K1405818-002: KQ1406643-04	Matrix Spike	.19	2.5 mL	50 mL	0.1 mL 0.5 mL 0.5 mL 0.5 mL	65422 70315 70786 71264	Metals T	1%HNO3 ULTREX
K1405818-002: KQ1406643-05	Duplicate Matrix Spike	.19	2.5 mL	50 mL	0.1 mL 0.5 mL 0.5 mL 0.5 mL	65422 70315 70786 71264	Metals T	1%HNO3 ULTREX
K1405818-003	SYC14-TB1 Elutriate	.08	2.5 mL	50 mL			Metals T	1%HNO3 ULTREX
K1405818-004	SYC14-TB2 Elutriate	.08	2.5 mL	50 mL			Metals T	1%HNO3 ULTREX

10 Total Samples consisting of 5 Client Samples, 3 Client QC Samples, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Name	Type	ID	Expires	Name	Type	ID	Expires
K-MET Mo/U 10ppm	Spike	65422	6/16/2014	k-met 1/100 QCP-CICV-3	Spike	70786	11/18/2014
k-met 1/100 QCP CICV-1	Spike	70315	11/4/2014	k-met Sb 5ug/mL Sb	Spike	71264	10/1/2014

Preparation Materials

Step	Name	ID	Step	Name	ID
Digestion	K-MET 50ml Centrifuge Tube	63655	Digestion	K-MET HNO3 ULTREX	70317

Preparation Hardware / Equipment

Step	Name	Property	Value	Step	Name	Property	Value	
Digestion	K-BlockDigester-06	Corrected Temperature	94	deg C	Digestion	K-BlockDigester-06	Temperature Thermo 211919567	NONE
Digestion	K-BlockDigester-06	Correction Factor	0	deg C	Digestion	K-BlockDigester-06	Thermometer Location	31
Digestion	K-BlockDigester-06	Observed Temperature	94	deg C				

Preparation Steps

<u>Step</u>	<u>Started</u>	<u>Finished</u>	<u>By</u>	<u>Assisted By</u>	<u>Training?</u>	<u>Comments</u>
Digestion	16-JUN-14 15:06	16-JUN-14 17:06	Anna Cheatley		N	

Comments

Review

Reviewed by: BIS Date: 6/18/14

Preparation Information Benchsheet

Prep Run: 210992 **Prep Workflow:** MetDigRedPptAq **Status:** Prepped
Team: Metals **Prep Method:** EPA 1640 **Current Step:** Digestion **Prep Date:** 06/18/2014 13:00
Analyst: Anna Cheatley **Rush/NPDES:** N/A **Due Date:** 06/19/2014
Hold Date: 11/08/2014

Lab Code	Client ID	Bottle #	Initial Amt	Final Volume	Spike Amt	Spike ID	TestNo List	Comments
KQ1406669-03	Method Blank		100 mL	100 mL			Metals Redppt T	
KQ1406669-01	Lab Control Sample		1000 mL	100 mL			Metals Redppt T	
K1405556-008	CTMW-9-0614	.18	1000 mL	100 mL			Metals RedPpt T	pH<2
K1405556-017	CTMW-7-0614	.50	1000 mL	100 mL			Metals RedPpt T	pH<2
K1405556-018	CTMW-9-7-0614	.18	1000 mL	100 mL			Metals RedPpt T	pH<2
K1405572-001	SYC14-ODMDS-SW	.01	1000 mL	100 mL			Metals Redppt T	
K1405721-001	UM-E0605-UM-D13-101	.01	600 mL	100 mL			Metals RedPpt T	
K1405721-002	UM-E0605-FM-D13-102	.01	700 mL	100 mL			Metals RedPpt T	
K1405721-003	UM-E0605-UM-D13-105	.01	800 mL	100 mL			Metals RedPpt T	
K1405721-004	UM-E0605-FM-D13-106	.01	800 mL	100 mL			Metals RedPpt T	
K1405721-005	UM-E0605-UM-D13-109	.01	800 mL	100 mL			Metals RedPpt T	
K1405721-006	UM-E0605-FM-D13-110	.01	800 mL	100 mL			Metals RedPpt T	
K1405818-001	SYC14-SW	.02	1000 mL	100 mL			Metals Redppt T	
K1405818-002	SYC14-AC Elutriate	.18	1000 mL	100 mL			Metals Redppt T	
K1405818-002: KQ1406669-06	Duplicate	.18	1000 mL	100 mL			Metals Redppt T	
K1405818-002: KQ1406669-04	Matrix Spike	.18	1000 mL	100 mL			Metals Redppt T	
K1405818-002: KQ1406669-05	Duplicate Matrix Spike	.18	1000 mL	100 mL			Metals Redppt T	
K1405818-003	SYC14-TB1 Elutriate	.07	1000 mL	100 mL			Metals Redppt T	
K1405818-004	SYC14-TB2 Elutriate	.07	1000 mL	100 mL			Metals Redppt T	
K1405926-001	RCD-MW101-051214	.02	1000 mL	100 mL			Metals Redppt D	

20 Total Samples consisting of 15 Client Samples, 3 Client QC Samples, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Preparation Materials

Preparation Hardware / Equipment

Preparation Steps

<u>Step</u>	<u>Started</u>	<u>Finished</u>	<u>By</u>	<u>Assisted By</u>	<u>Training?</u>	<u>Comments</u>
Digestion	18-JUN-14 13:00	19-JUN-14 10:00	Anna Cheatley		N	

Comments

KQ1406669-01 LCS, K1405818-002:KQ1406669-04 MS and K1405818-002:KQ1406669-05 DMS spiked with 2.0mL 200.8 Sol. (ms16-91-A) and 2.0mL 1000ppb Ag (ms16-89-L).

Review

Reviewed by: BJS Date: 6/18/14

ICPMS LCSW AND SPIKING SOLUTIONS

5.00mL to 500mL Dilution of Inorganics Ventures QCP-CICV-1

K-Met 1/100 QCP-CCV-1

Analyte	Concentration in solution (ppb)	Concentration in digest (ppb)
Al	10000	100
Ba	10000	100
Co	2500	25
Mn	2500	25
Ni	2500	25
V	2500	25
Zn	2500	25
Cu	1250	12.5
Ag	1250	12.5
Cr	1000	10
Be	250	2.5

1.00mL to 200mL Dilution of 1,000 ppm Sb

K-Met Sb 10 ppm

Analyte	Concentration in solution (ppb)	Concentration in digest (ppb)
Sb	5000	50

5.00mL to 500mL Dilution of Inorganics Ventures QCP-CICV-3

K-Met 1/100 QCP-CICV-3

Analyte	Concentration in solution (ppb)	Concentration in digest (ppb)
As	5000	50
Pb	5000	50
Se	5000	50
Tl	5000	50
Cd	2500	25

2.00mL to 200mL Dilution of 1,000 ppm Mo and 1,000 ppm U

K-Met Mo/U 10ppm

Analyte	Concentration in solution (ppb)	Concentration in digest (ppb)
Mo	10000	20
U	10000	20

Element Analyzed: Se Hydride Instrument: K-FLAA-02
 Service Request #: K1405572, K1405721, K1405818, K1405610,
K1405731, K1405758, K1405824, K1405857,
K1405461
 Calibration Std.: AA1-16-B Expiration Date: 10/1/2014
 2nd Source Std.: AA1-16-A Expiration Date: 7/10/2014
 Starlims #: 398122
 Run #: 062014-Se1

Hydride Data Review Form

	Yes	No	NA
1. ICV within 10% of true Value	<u>X</u>	<u> </u>	<u> </u>
2. Calibration data included	<u>X</u>	<u> </u>	<u> </u>
3. CCV's in control	<u>X</u>	<u> </u>	<u> </u>
4. CCB's and/or ICB's below MRL	<u>X</u>	<u> </u>	<u> </u>
5. All reported Results within Cal. Range	<u>X</u>	<u> </u>	<u> </u>
6. All Calculations are Correct	<u>X</u>	<u> </u>	<u> </u>

Comments

Primary Reviewed by: BJS Date: 6/20/14

Secondary Reviewed by: JDS Date: 6/20/14


COLUMBIA ANALYTICAL SERVICES, INC.

FAA Run Log

Method: (Circle Method Used) 7742 7062	Service Request # :
Other: _____	
Element: <u>As Se</u>	

SAMPLE NUMBER	Dilution Factor	Measured (µg/L)	Recoveries (ICV, CCV, CRA, LCS, Matrix Spk.)	Comments
Cal. Blk	-	0.000		Post Spike = 5 ppb
Cal. Std 0.5	-	0.500	*(0.025-50ml)	*Cal. Std = AA1-16-B
Cal. Std 1.0	-	1.000	*(0.05-50ml)	
Cal. Std 5.0	-	5.000	*(0.25-50ml)	
Cal. Std 7.5	-	7.500	*(0.375-50ml)	
Cal. Std 10.0	-	10.000	*(0.5-50ml)	
ICV	-	7.477	100%	ICV Std = AA1-16-A
ICB	-	0.051		
CRA	-	0.494	99%	
CCV	-	8.670	116%	
CCV	-	8.049	107%	
CCB	-	-0.034		
K1405572-MB	1/2	0.011		
LCSWK1405572	1/2	5.050	101%	
K1405572-001	1/2	0.129		
K1405721-001	1/2	0.135		
K1405721-002	1/2	0.166		
K1405721-002A	1/2	4.884	94%	
K1405721-002D	1/2	0.143		
K1405721-002S	1/2	7.625	93%	
K1405721-003	1/2	0.175		
K1405721-004	1/2	0.144		
CCV	-	8.236	110%	
CCB	-	0.003		
K1405721-005	1/2	0.121		
K1405721-006	1/2	0.119		
K1405818-001	1/2	0.033		
K1405818-002	1/2	0.070		
K1405818-002D	1/2	0.050		
K1405818-002S	1/2	7.982	100%	

True Values/QC Limits:	LCSW	Water Spike	LCSS (ERA D045540)	Soil Spike
Arsenic:	10ppb (80-120%)	16ppb (75-125%)	94.5mg/kg (82-117%)	40ppb (75-125%)
Selenium	10ppb (80-120%)	16ppb (75-125%)	86.4mg/kg (80-120%)	40ppb (75-125%)
Cx = MSA Corrected Concentration (as per method)				

Analyst 	Date: 6/20/14	Page Number: 1
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COLUMBIA ANALYTICAL SERVICES, INC.

FAA Run Log

Method: (Circle Method Used) 7742 7062 Other: _____ Element: <u>As Se</u>	Service Request # :
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SAMPLE NUMBER	Dilution Factor	Measured (µg/L)	Recoveries (ICV, CCV, CRA, LCS, Matrix Spk.)	Comments
				Post Spike = 5 ppb
K1405818-002SD	1/2	7.490	94%	
K1405818-003	1/2	0.134		
K1405818-004	1/2	0.129		
K1405610-MB	1/10	-0.045		
CCV	-	7.129	95%	
CCB	-	-0.026		
LCSWK1405610	1/10*1/50	5.585	112%	
K1405610-001	1/10	-0.054		
K1405610-001A	1/10	5.975	119%	
K1405610-001D	1/10	-0.023		
K1405610-001S	1/10*1/20	5.513	110%	
K1405610-002	1/10	3.573		
K1405731-001	1/10	-0.049		
K1405731-001D	1/10	-0.025		
K1405731-001S	1/10*1/20	5.606	112%	
K1405731-002	1/10	2.387		
CCV	-	7.099	95%	
CCB	-	-0.017		
K1405758-001	1/10	-0.060		
K1405758-002	1/10	-0.085		
K1405824-001	1/10	-0.052		
K1405824-002	1/10	0.507		
K1405857-001	1/10	-0.039		
K1405857-002	1/10	-0.039		
K1405857-003	1/10	1.556		
K1405461-MB	1/2	-0.008		
LCSWK1405461	1/2	5.213	104%	
K1405461-001	1/2	0.036		
CCV	-	7.319	98%	
CCB	-	0.003		

True Values/QC Limits:	LCSW	Water Spike	LCSS (ERA D045540)	Soil Spike
Arsenic:	10ppb (80-120%)	16ppb (75-125%)	146.0mg/kg (80-120%)	20ppb (75-125%)
Selenium	10ppb (80-120%)	16ppb (75-125%)	192.0mg/kg (62-147%)	20ppb (75-125%)
Cx = MSA Corrected Concentration (as per method)				

Analyst 	Date: 6/20/14	Page Number: 2
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=====
Analysis Begun

Logged In Analyst: ALKLS.ALKLSXP315 Technique: AA FIAS-Flame
Spectrometer Model: AAnalyst 200, S/N 200S5061701 Autosampler Model: AS-90

Sample Information File: C:\data-AA\ACOMET10\Sample Information\062014-Sel.sif
Batch ID: 062014-Sel
Results Data Set: 062014-Sel
Results Library: C:\data-AA\ACOMET10\Results\Results Se 2013.mdb

=====
Sequence No.: 1 Autosampler Location: 1
Sample ID: Cal Blk Date Collected: 6/20/2014 9:09:39 AM
Analyst: Data Type: Original

Replicate Data: Cal Blk

Repl #	Sample Conc ug/L	Stnd Conc ug/L	Blk Corr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[0.00]	0.004	0.006	0.004			09:09:55	Yes
2		[0.00]	0.003	0.010	0.003			09:10:31	Yes
3		[0.00]	0.003	0.002	0.003			09:11:06	Yes
Mean:		[0.00]	0.003						
SD:		0.00	0.0005						
%RSD:		0.00	16.40						

Auto-zero performed.

=====
Sequence No.: 2 Autosampler Location: 2
Sample ID: Std 0.5 Date Collected: 6/20/2014 9:11:59 AM
Analyst: Data Type: Original

Replicate Data: Std 0.5

Repl #	Sample Conc ug/L	Stnd Conc ug/L	Blk Corr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[0.5]	0.013	0.054	0.016			09:12:15	Yes
2		[0.5]	0.012	0.040	0.015			09:12:53	Yes
3		[0.5]	0.013	0.061	0.016			09:13:29	Yes
Mean:		[0.5]	0.013						
SD:		0.0	0.0005						
%RSD:		0.0	4.00						

Standard number 1 applied. [0.5]
Correlation Coef.: 1.000000 Slope: 0.02540 Intercept: 0.00000

=====
Sequence No.: 3 Autosampler Location: 3
Sample ID: Std 1.0 Date Collected: 6/20/2014 9:14:21 AM
Analyst: Data Type: Original

Replicate Data: Std 1.0

Repl #	Sample Conc ug/L	Stnd Conc ug/L	Blk Corr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[1.0]	0.024	0.092	0.027			09:14:38	Yes
2		[1.0]	0.025	0.089	0.029			09:15:14	Yes
3		[1.0]	0.026	0.101	0.029			09:15:50	Yes
Mean:		[1.0]	0.025						
SD:		0.0	0.0009						
%RSD:		0.0	3.44						

Standard number 2 applied. [1.0]
Correlation Coef.: 0.999950 Slope: 0.02524 Intercept: 0.00000

=====
Sequence No.: 4 Autosampler Location: 4
Sample ID: Std 5.0 Date Collected: 6/20/2014 9:16:43 AM
Analyst: Data Type: Original

Replicate Data: Std 5.0

Repl #	Sample Conc ug/L	StdConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[5.0]	0.126	0.436	0.129			09:17:01	Yes
2		[5.0]	0.130	0.458	0.133			09:17:37	Yes
3		[5.0]	0.130	0.465	0.133			09:18:13	Yes
Mean:		[5.0]	0.128						
SD:		0.0	0.0025						
%RSD:		0.0	1.96						
Standard number 3 applied. [5.0]									
Correlation Coef.: 0.999985 Slope: 0.02567 Intercept: 0.00000									

=====

Sequence No.: 5	Autosampler Location: 5
Sample ID: Std 7.5	Date Collected: 6/20/2014 9:19:07 AM
Analyst:	Data Type: Original

Replicate Data: Std 7.5

Repl #	Sample Conc ug/L	StdConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[7.5]	0.189	0.687	0.192			09:19:25	Yes
2		[7.5]	0.192	0.689	0.195			09:20:01	Yes
3		[7.5]	0.193	0.687	0.196			09:20:37	Yes
Mean:		[7.5]	0.191						
SD:		0.0	0.0022						
%RSD:		0.0	1.13						
Standard number 4 applied. [7.5]									
Correlation Coef.: 0.999980 Slope: 0.02554 Intercept: 0.00000									

=====

Sequence No.: 6	Autosampler Location: 6
Sample ID: Std 10.0	Date Collected: 6/20/2014 9:21:31 AM
Analyst:	Data Type: Original

Replicate Data: Std 10.0

Repl #	Sample Conc ug/L	StdConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[10.0]	0.253	0.920	0.256			09:21:50	Yes
2		[10.0]	0.267	0.959	0.270			09:22:26	Yes
3		[10.0]	0.259	0.912	0.262			09:23:01	Yes
Mean:		[10.0]	0.259						
SD:		0.0	0.0070						
%RSD:		0.0	2.70						
Standard number 5 applied. [10.0]									
Correlation Coef.: 0.999906 Slope: 0.02577 Intercept: 0.00000									

Calibration data for Se 196.03

Equation: Linear Through Zero

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Cal Blk	0.0000	0	0.000	0.00	16.4
Std 0.5	0.0127	0.5	0.493	0.00	4.0
Std 1.0	0.0252	1.0	0.978	0.00	3.4
Std 5.0	0.1285	5.0	4.985	0.00	2.0
Std 7.5	0.1911	7.5	7.417	0.00	1.1
Std 10.0	0.2595	10.0	10.071	0.01	2.7

Correlation Coef.: 0.999906 Slope: 0.02577 Intercept: 0.00000

=====

Sequence No.: 7	Autosampler Location: 7
Sample ID: ICV	Date Collected: 6/20/2014 9:23:57 AM
Analyst:	Data Type: Original

Replicate Data: ICB

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	7.464	7.464	0.192	0.694	0.195			09:24:16	Yes
2	7.474	7.474	0.193	0.689	0.196			09:24:52	Yes
3	7.492	7.492	0.193	0.691	0.196			09:25:28	Yes
Mean:	7.477	7.477	0.193						
SD:	0.014	0.014	0.0004						
%RSD:	0.186	0.186	0.19						

QC value within limits for Se 196.03 Recovery = 99.69%
All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICB
Analyst:

Autosampler Location: 1
Date Collected: 6/20/2014 9:26:24 AM
Data Type: Original

Replicate Data: ICB

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.187	0.187	0.005	0.086	0.008			09:26:39	Yes
Changing BOC									
2	0.098	0.098	0.003	0.011	0.006			09:27:15	Yes
3	-0.133	-0.133	-0.003	-0.045	-0.000			09:27:51	Yes
Changing BOC									
Mean:	0.051	0.051	0.001						
SD:	0.165	0.165	0.0043						
%RSD:	326.6	326.6	326.56						

Changing BOC
QC value within limits for Se 196.03 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 9
Sample ID: CRA
Analyst:

Autosampler Location: 2
Date Collected: 6/20/2014 9:28:43 AM
Data Type: Original

Replicate Data: CRA

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.492	0.492	0.013	0.044	0.016			09:29:00	Yes
2	0.486	0.486	0.013	0.058	0.016			09:29:36	Yes
3	0.504	0.504	0.013	0.054	0.016			09:30:12	Yes
Mean:	0.494	0.494	0.013						
SD:	0.009	0.009	0.0002						
%RSD:	1.827	1.827	1.83						

QC value within limits for Se 196.03 Recovery = 98.76%
All analyte(s) passed QC.

Sequence No.: 10
Sample ID: CCV
Analyst:

Autosampler Location: 5
Date Collected: 6/20/2014 9:31:05 AM
Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	12.33	12.33	0.318	1.111	0.321			09:31:23	Yes
Sample concentration is greater than that of the highest standard.									
2	7.023	7.023	0.181	0.624	0.184			09:31:59	Yes
3	6.657	6.657	0.172	0.919	0.175			09:32:34	Yes
Changing BOC									
Mean:	8.670	8.670	0.223						
SD:	3.175	3.175	0.0818						
%RSD:	36.62	36.62	36.62						

Changing BOC
QC value greater than the upper limit for Se 196.03 Recovery = 115.61%
QC Failed. Stop the analysis.
User canceled analysis.

Analysis Begun

Logged In Analyst: ALKLS.ALKLSXP315 Technique: AA FIAS-Flame
Spectrometer Model: AAnalyst 200, S/N 200S5061701 Autosampler Model: AS-90

Sample Information File: C:\data-AA\ACOMET10\Sample Information\062014-Sel.sif
Batch ID: 062014-Sel
Results Data Set: 062014-Sel
Results Library: C:\data-AA\ACOMET10\Results\Results Se 2013.mdb

Sequence No.: 10 Autosampler Location: 5
Sample ID: CCV Date Collected: 6/20/2014 9:37:06 AM
Analyst: Data Type: Original

Replicate Data: CCV

Table with 10 columns: Repl #, SampleConc ug/L, StndConc ug/L, BlnkCorr Signal, Peak Area, Peak Height, Bkgnd Area, Bkgnd Height, Time, Peak Stored. Contains 3 replicate rows and summary statistics (Mean, SD, %RSD).

QC value within limits for Se 196.03 Recovery = 107.32%
All analyte(s) passed QC.

Sequence No.: 11 Autosampler Location: 1
Sample ID: CCB Date Collected: 6/20/2014 9:39:30 AM
Analyst: Data Type: Original

Replicate Data: CCB

Table with 10 columns: Repl #, SampleConc ug/L, StndConc ug/L, BlnkCorr Signal, Peak Area, Peak Height, Bkgnd Area, Bkgnd Height, Time, Peak Stored. Contains 3 replicate rows and summary statistics (Mean, SD, %RSD).

QC value within limits for Se 196.03 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 12 Autosampler Location: 9
Sample ID: K1405572-MB Date Collected: 6/20/2014 9:41:50 AM
Analyst: Data Type: Original

Replicate Data: K1405572-MB

Table with 10 columns: Repl #, SampleConc ug/L, StndConc ug/L, BlnkCorr Signal, Peak Area, Peak Height, Bkgnd Area, Bkgnd Height, Time, Peak Stored. Contains 3 replicate rows and summary statistics (Mean, SD, %RSD).

Sequence No.: 13
 Sample ID: LCSWK1405572
 Analyst:

Autosampler Location: 10
 Date Collected: 6/20/2014 9:44:10 AM
 Data Type: Original

 Replicate Data: LCSWK1405572

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.010	5.010	0.129	0.489	0.132			09:44:26	Yes
2	5.120	5.120	0.132	0.520	0.135			09:45:02	Yes
3	5.019	5.019	0.129	0.500	0.132			09:45:38	Yes
Mean:	5.050	5.050	0.130						
SD:	0.061	0.061	0.0016						
%RSD:	1.211	1.211	1.21						

Sequence No.: 14
 Sample ID: K1405572-001
 Analyst:

Autosampler Location: 11
 Date Collected: 6/20/2014 9:46:31 AM
 Data Type: Original

 Replicate Data: K1405572-001

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.127	0.127	0.003	0.016	0.006			09:46:48	Yes
2	0.131	0.131	0.003	0.023	0.006			09:47:24	Yes
3	0.130	0.130	0.003	0.027	0.006			09:48:00	Yes
Mean:	0.129	0.129	0.003						
SD:	0.002	0.002	0.0000						
%RSD:	1.490	1.490	1.49						

Sequence No.: 15
 Sample ID: K1405721-001
 Analyst:

Autosampler Location: 12
 Date Collected: 6/20/2014 9:48:53 AM
 Data Type: Original

 Replicate Data: K1405721-001

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.184	0.184	0.005	0.022	0.008			09:49:10	Yes
2	0.117	0.117	0.003	0.018	0.006			09:49:46	Yes
3	0.104	0.104	0.003	0.011	0.006			09:50:22	Yes
Mean:	0.135	0.135	0.003						
SD:	0.043	0.043	0.0011						
%RSD:	32.00	32.00	32.00						

Sequence No.: 16
 Sample ID: K1405721-002
 Analyst:

Autosampler Location: 13
 Date Collected: 6/20/2014 9:51:16 AM
 Data Type: Original

 Replicate Data: K1405721-002

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.201	0.201	0.005	0.023	0.008			09:51:33	Yes
2	0.165	0.165	0.004	0.028	0.007			09:52:09	Yes
3	0.132	0.132	0.003	0.026	0.007			09:52:45	Yes
Mean:	0.166	0.166	0.004						
SD:	0.034	0.034	0.0009						
%RSD:	20.74	20.74	20.74						

Sequence No.: 17
 Sample ID: K1405721-002A
 Analyst:

Autosampler Location: 14
 Date Collected: 6/20/2014 9:53:40 AM
 Data Type: Original

Replicate Data: K1405721-002A

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	4.793	4.793	0.124	0.488	0.127			09:53:58	Yes
2	4.885	4.885	0.126	0.480	0.129			09:54:34	Yes
3	4.973	4.973	0.128	0.499	0.131			09:55:09	Yes
Mean:	4.884	4.884	0.126						
SD:	0.090	0.090	0.0023						
%RSD:	1.839	1.839	1.84						

Sequence No.: 18 Autosampler Location: 15
Sample ID: K1405721-002D Date Collected: 6/20/2014 9:56:04 AM
Analyst: Data Type: Original

Replicate Data: K1405721-002D

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.174	0.174	0.004	0.024	0.008			09:56:22	Yes
2	0.118	0.118	0.003	0.019	0.006			09:56:58	Yes
3	0.136	0.136	0.003	0.016	0.007			09:57:34	Yes
Mean:	0.143	0.143	0.004						
SD:	0.029	0.029	0.0007						
%RSD:	20.30	20.30	20.30						

Sequence No.: 19 Autosampler Location: 16
Sample ID: K1405721-002S Date Collected: 6/20/2014 9:58:29 AM
Analyst: Data Type: Original

Replicate Data: K1405721-002S

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	7.637	7.637	0.197	0.798	0.200			09:58:49	Yes
2	7.604	7.604	0.196	0.801	0.199			09:59:25	Yes
3	7.635	7.635	0.197	0.791	0.200			10:00:01	Yes
Mean:	7.625	7.625	0.196						
SD:	0.018	0.018	0.0005						
%RSD:	0.242	0.242	0.24						

Sequence No.: 20 Autosampler Location: 17
Sample ID: K1405721-003 Date Collected: 6/20/2014 10:00:57 AM
Analyst: Data Type: Original

Replicate Data: K1405721-003

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.177	0.177	0.005	0.021	0.008			10:01:13	Yes
2	0.193	0.193	0.005	0.031	0.008			10:01:49	Yes
3	0.154	0.154	0.004	0.023	0.007			10:02:24	Yes
Mean:	0.175	0.175	0.005						
SD:	0.019	0.019	0.0005						
%RSD:	11.04	11.04	11.04						

Sequence No.: 21 Autosampler Location: 18
Sample ID: K1405721-004 Date Collected: 6/20/2014 10:03:17 AM
Analyst: Data Type: Original

Replicate Data: K1405721-004

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.146	0.146	0.004	0.011	0.007			10:03:32	Yes
2	0.146	0.146	0.004	0.030	0.007			10:04:08	Yes

3	0.140	0.140	0.004	0.022	0.007			10:04:44	Yes
Mean:	0.144	0.144	0.004						
SD:	0.004	0.004	0.0001						
%RSD:	2.485	2.485	2.49						

```

=====
Sequence No.: 22                               Autosampler Location: 5
Sample ID: CCV                               Date Collected: 6/20/2014 10:05:36 AM
Analyst:                                     Data Type: Original
=====

```

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	8.222	8.222	0.212	0.791	0.215			10:05:55	Yes
2	8.288	8.288	0.214	0.793	0.217			10:06:30	Yes
3	8.199	8.199	0.211	0.788	0.214			10:07:06	Yes
Mean:	8.236	8.236	0.212						
SD:	0.046	0.046	0.0012						
%RSD:	0.560	0.560	0.56						

QC value within limits for Se 196.03 Recovery = 109.82%
All analyte(s) passed QC.

```

=====
Sequence No.: 23                               Autosampler Location: 1
Sample ID: CCB                               Date Collected: 6/20/2014 10:08:01 AM
Analyst:                                     Data Type: Original
=====

```

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.025	0.025	0.001	0.005	0.004			10:08:17	Yes
2	-0.006	-0.006	-0.000	0.011	0.003			10:08:53	Yes
3	-0.010	-0.010	-0.000	0.012	0.003			10:09:29	Yes
Mean:	0.003	0.003	0.000						
SD:	0.019	0.019	0.0005						
%RSD:	644.8	644.8	644.77						

QC value within limits for Se 196.03 Recovery = Not calculated
All analyte(s) passed QC.

```

=====
Sequence No.: 24                               Autosampler Location: 19
Sample ID: K1405721-005                     Date Collected: 6/20/2014 10:10:21 AM
Analyst:                                     Data Type: Original
=====

```

Replicate Data: K1405721-005

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.098	0.098	0.003	0.003	0.006			10:10:37	Yes
2	0.142	0.142	0.004	0.025	0.007			10:11:13	Yes
3	0.123	0.123	0.003	0.018	0.006			10:11:49	Yes
Mean:	0.121	0.121	0.003						
SD:	0.022	0.022	0.0006						
%RSD:	18.31	18.31	18.31						

```

=====
Sequence No.: 25                               Autosampler Location: 20
Sample ID: K1405721-006                     Date Collected: 6/20/2014 10:12:41 AM
Analyst:                                     Data Type: Original
=====

```

Replicate Data: K1405721-006

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.164	0.164	0.004	0.034	0.007			10:12:57	Yes
2	0.102	0.102	0.003	0.014	0.006			10:13:33	Yes
3	0.093	0.093	0.002	0.015	0.006			10:14:09	Yes

Mean: 0.119 0.119 0.003
 SD: 0.039 0.039 0.0010
 %RSD: 32.39 32.39 32.39

=====
 Sequence No.: 26 Autosampler Location: 21
 Sample ID: K1405818-001 Date Collected: 6/20/2014 10:15:01 AM
 Analyst: Data Type: Original

Replicate Data: K1405818-001

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.055	0.055	0.001	0.009	0.005			10:15:17	Yes
2	0.043	0.043	0.001	0.012	0.004			10:15:53	Yes
3	0.000	0.000	0.000	-0.020	0.003			10:16:29	Yes
Mean:	0.033	0.033	0.001						
SD:	0.029	0.029	0.0008						
%RSD:	88.45	88.45	88.45						

=====
 Sequence No.: 27 Autosampler Location: 22
 Sample ID: K1405818-002 Date Collected: 6/20/2014 10:17:22 AM
 Analyst: Data Type: Original

Replicate Data: K1405818-002

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.135	0.135	0.003	0.025	0.007			10:17:39	Yes
2	0.049	0.049	0.001	0.008	0.004			10:18:15	Yes
3	0.026	0.026	0.001	0.004	0.004			10:18:51	Yes
Mean:	0.070	0.070	0.002						
SD:	0.058	0.058	0.0015						
%RSD:	82.79	82.79	82.79						

=====
 Sequence No.: 28 Autosampler Location: 23
 Sample ID: K1405818-002D Date Collected: 6/20/2014 10:19:44 AM
 Analyst: Data Type: Original

Replicate Data: K1405818-002D

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.041	0.041	0.001	0.015	0.004			10:20:01	Yes
2	0.029	0.029	0.001	-0.006	0.004			10:20:36	Yes
3	0.079	0.079	0.002	0.014	0.005			10:21:12	Yes
Mean:	0.050	0.050	0.001						
SD:	0.026	0.026	0.0007						
%RSD:	52.94	52.94	52.94						

=====
 Sequence No.: 29 Autosampler Location: 24
 Sample ID: K1405818-002S Date Collected: 6/20/2014 10:22:07 AM
 Analyst: Data Type: Original

Replicate Data: K1405818-002S

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	7.879	7.879	0.203	0.814	0.206			10:22:24	Yes
2	8.054	8.054	0.208	0.813	0.211			10:23:00	Yes
3	8.012	8.012	0.206	0.818	0.210			10:23:36	Yes
Mean:	7.982	7.982	0.206						
SD:	0.091	0.091	0.0023						
%RSD:	1.142	1.142	1.14						

Sequence No.: 30
 Sample ID: K1405818-002SD
 Analyst:

Autosampler Location: 25
 Date Collected: 6/20/2014 10:24:31 AM
 Data Type: Original

 Replicate Data: K1405818-002SD

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	7.431	7.431	0.191	0.763	0.195			10:24:49	Yes
2	7.524	7.524	0.194	0.780	0.197			10:25:24	Yes
3	7.515	7.515	0.194	0.798	0.197			10:26:00	Yes
Mean:	7.490	7.490	0.193						
SD:	0.052	0.052	0.0013						
%RSD:	0.689	0.689	0.69						

Sequence No.: 31
 Sample ID: K1405818-003
 Analyst:

Autosampler Location: 26
 Date Collected: 6/20/2014 10:26:54 AM
 Data Type: Original

 Replicate Data: K1405818-003

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.172	0.172	0.004	0.025	0.008			10:27:12	Yes
2	0.137	0.137	0.004	0.028	0.007			10:27:48	Yes
3	0.091	0.091	0.002	0.013	0.005			10:28:23	Yes
Mean:	0.134	0.134	0.003						
SD:	0.041	0.041	0.0010						
%RSD:	30.47	30.47	30.47						

Sequence No.: 32
 Sample ID: K1405818-004
 Analyst:

Autosampler Location: 27
 Date Collected: 6/20/2014 10:29:17 AM
 Data Type: Original

 Replicate Data: K1405818-004

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.119	0.119	0.003	0.013	0.006			10:29:35	Yes
2	0.091	0.091	0.002	0.007	0.005			10:30:11	Yes
3	0.177	0.177	0.005	0.036	0.008			10:30:46	Yes
Mean:	0.129	0.129	0.003						
SD:	0.044	0.044	0.0011						
%RSD:	33.93	33.93	33.93						

Sequence No.: 33
 Sample ID: K1405610-MB
 Analyst:

Autosampler Location: 28
 Date Collected: 6/20/2014 10:31:41 AM
 Data Type: Original

 Replicate Data: K1405610-MB

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.040	-0.040	-0.001	0.002	0.002			10:31:59	Yes
2	-0.054	-0.054	-0.001	0.002	0.002			10:32:35	Yes
3	-0.041	-0.041	-0.001	0.005	0.002			10:33:11	Yes
Mean:	-0.045	-0.045	-0.001						
SD:	0.008	0.008	0.0002						
%RSD:	17.64	17.64	17.64						

Sequence No.: 34
 Sample ID: CCV
 Analyst:

Autosampler Location: 5
 Date Collected: 6/20/2014 10:34:06 AM
 Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	7.105	7.105	0.183	0.682	0.186			10:34:25	Yes
2	7.205	7.205	0.186	0.690	0.189			10:35:01	Yes
3	7.076	7.076	0.182	0.680	0.185			10:35:36	Yes

Mean: 7.129 7.129 0.184
SD: 0.068 0.068 0.0017
%RSD: 0.947 0.947 0.95

QC value within limits for Se 196.03 Recovery = 95.05%

All analyte(s) passed QC.

Sequence No.: 35

Autosampler Location: 1

Sample ID: CCB

Date Collected: 6/20/2014 10:36:32 AM

Analyst:

Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.004	0.004	0.000	0.004	0.003			10:36:48	Yes
2	-0.052	-0.052	-0.001	-0.002	0.002			10:37:23	Yes
3	-0.030	-0.030	-0.001	-0.003	0.002			10:37:59	Yes

Mean: -0.026 -0.026 -0.001
SD: 0.028 0.028 0.0007
%RSD: 109.5 109.5 109.48

QC value within limits for Se 196.03 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 36

Autosampler Location: 29

Sample ID: LCSWK1405610

Date Collected: 6/20/2014 10:38:52 AM

Analyst:

Data Type: Original

Replicate Data: LCSWK1405610

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.626	5.626	0.145	0.542	0.148			10:39:10	Yes
2	5.551	5.551	0.143	0.538	0.146			10:39:46	Yes
3	5.578	5.578	0.144	0.538	0.147			10:40:22	Yes

Mean: 5.585 5.585 0.144
SD: 0.038 0.038 0.0010
%RSD: 0.677 0.677 0.68

Sequence No.: 37

Autosampler Location: 30

Sample ID: K1405610-001

Date Collected: 6/20/2014 10:41:17 AM

Analyst:

Data Type: Original

Replicate Data: K1405610-001

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.042	-0.042	-0.001	-0.007	0.002			10:41:36	Yes
2	-0.061	-0.061	-0.002	-0.001	0.002			10:42:12	Yes
3	-0.060	-0.060	-0.002	0.004	0.002			10:42:47	Yes

Mean: -0.054 -0.054 -0.001
SD: 0.011 0.011 0.0003
%RSD: 20.02 20.02 20.02

Sequence No.: 38

Autosampler Location: 31

Sample ID: K1405610-001A

Date Collected: 6/20/2014 10:43:43 AM

Analyst:

Data Type: Original

Replicate Data: K1405610-001A

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.966	5.966	0.154	0.573	0.157			10:44:03	Yes
2	5.973	5.973	0.154	0.562	0.157			10:44:38	Yes
3	5.985	5.985	0.154	0.569	0.157			10:45:14	Yes
Mean:	5.975	5.975	0.154						
SD:	0.010	0.010	0.0003						
%RSD:	0.164	0.164	0.16						

Sequence No.: 39 Autosampler Location: 32
 Sample ID: K1405610-001D Date Collected: 6/20/2014 10:46:09 AM
 Analyst: Data Type: Original

Replicate Data: K1405610-001D

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.001	-0.001	-0.000	0.012	0.003			10:46:24	Yes
2	-0.029	-0.029	-0.001	0.007	0.002			10:47:00	Yes
3	-0.038	-0.038	-0.001	0.004	0.002			10:47:35	Yes
Mean:	-0.023	-0.023	-0.001						
SD:	0.019	0.019	0.0005						
%RSD:	84.64	84.64	84.64						

Sequence No.: 40 Autosampler Location: 33
 Sample ID: K1405610-001S Date Collected: 6/20/2014 10:48:27 AM
 Analyst: Data Type: Original

Replicate Data: K1405610-001S

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.477	5.477	0.141	0.542	0.144			10:48:42	Yes
2	5.460	5.460	0.141	0.551	0.144			10:49:18	Yes
3	5.603	5.603	0.144	0.534	0.147			10:49:54	Yes
Mean:	5.513	5.513	0.142						
SD:	0.078	0.078	0.0020						
%RSD:	1.418	1.418	1.42						

Sequence No.: 41 Autosampler Location: 34
 Sample ID: K1405610-002 Date Collected: 6/20/2014 10:50:46 AM
 Analyst: Data Type: Original

Replicate Data: K1405610-002

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	3.562	3.562	0.092	0.366	0.095			10:51:02	Yes
2	3.593	3.593	0.093	0.359	0.096			10:51:38	Yes
3	3.565	3.565	0.092	0.355	0.095			10:52:14	Yes
Mean:	3.573	3.573	0.092						
SD:	0.017	0.017	0.0004						
%RSD:	0.487	0.487	0.49						

Sequence No.: 42 Autosampler Location: 35
 Sample ID: K1405731-001 Date Collected: 6/20/2014 10:53:07 AM
 Analyst: Data Type: Original

Replicate Data: K1405731-001

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.030	-0.030	-0.001	0.003	0.002			10:53:23	Yes
2	-0.073	-0.073	-0.002	-0.003	0.001			10:53:59	Yes
3	-0.045	-0.045	-0.001	-0.003	0.002			10:54:34	Yes

Mean: -0.049 -0.049 -0.001
 SD: 0.022 0.022 0.0006
 %RSD: 44.97 44.97 44.97

=====

Sequence No.: 43	Autosampler Location: 36
Sample ID: K1405731-001D	Date Collected: 6/20/2014 10:55:27 AM
Analyst:	Data Type: Original

Replicate Data: K1405731-001D

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.042	-0.042	-0.001	0.004	0.002			10:55:43	Yes
2	-0.006	-0.006	-0.000	0.002	0.003			10:56:19	Yes
3	-0.027	-0.027	-0.001	0.012	0.002			10:56:55	Yes
Mean:	-0.025	-0.025	-0.001						
SD:	0.018	0.018	0.0005						
%RSD:	73.00	73.00	73.00						

=====

Sequence No.: 44	Autosampler Location: 37
Sample ID: K1405731-001S	Date Collected: 6/20/2014 10:57:47 AM
Analyst:	Data Type: Original

Replicate Data: K1405731-001S

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.515	5.515	0.142	0.545	0.145			10:58:04	Yes
2	5.628	5.628	0.145	0.563	0.148			10:58:39	Yes
3	5.674	5.674	0.146	0.548	0.149			10:59:15	Yes
Mean:	5.606	5.606	0.144						
SD:	0.082	0.082	0.0021						
%RSD:	1.461	1.461	1.46						

=====

Sequence No.: 45	Autosampler Location: 38
Sample ID: K1405731-002	Date Collected: 6/20/2014 11:00:09 AM
Analyst:	Data Type: Original

Replicate Data: K1405731-002

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	2.317	2.317	0.060	0.233	0.063			11:00:26	Yes
2	2.358	2.358	0.061	0.250	0.064			11:01:02	Yes
3	2.485	2.485	0.064	0.248	0.067			11:01:38	Yes
Mean:	2.387	2.387	0.061						
SD:	0.088	0.088	0.0023						
%RSD:	3.675	3.675	3.67						

=====

Sequence No.: 46	Autosampler Location: 5
Sample ID: CCV	Date Collected: 6/20/2014 11:02:31 AM
Analyst:	Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	7.049	7.049	0.182	0.691	0.185			11:02:49	Yes
2	7.070	7.070	0.182	0.697	0.185			11:03:25	Yes
3	7.179	7.179	0.185	0.704	0.188			11:04:01	Yes
Mean:	7.099	7.099	0.183						
SD:	0.070	0.070	0.0018						
%RSD:	0.982	0.982	0.98						

QC value within limits for Se 196.03 Recovery = 94.66%
 All analyte(s) passed QC.

```

=====
Sequence No.: 47                               Autosampler Location: 1
Sample ID: CCB                                 Date Collected: 6/20/2014 11:04:55 AM
Analyst:                                       Data Type: Original
=====

```

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.044	0.044	0.001	0.023	0.004			11:05:12	Yes
2	-0.066	-0.066	-0.002	-0.015	0.001			11:05:48	Yes
3	-0.028	-0.028	-0.001	0.001	0.002			11:06:23	Yes
Mean:	-0.017	-0.017	-0.000						
SD:	0.056	0.056	0.0014						
%RSD:	336.9	336.9	336.86						

QC value within limits for Se 196.03 Recovery = Not calculated
All analyte(s) passed QC.

```

=====
Sequence No.: 48                               Autosampler Location: 39
Sample ID: K1405758-001                       Date Collected: 6/20/2014 11:07:16 AM
Analyst:                                       Data Type: Original
=====

```

Replicate Data: K1405758-001

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.012	-0.012	-0.000	-0.060	0.003			11:07:33	Yes
2	-0.059	-0.059	-0.002	-0.005	0.002			11:08:09	Yes
3	-0.111	-0.111	-0.003	-0.048	0.000			11:08:44	Yes
Mean:	-0.060	-0.060	-0.002						
SD:	0.050	0.050	0.0013						
%RSD:	82.22	82.22	82.22						

```

=====
Sequence No.: 49                               Autosampler Location: 40
Sample ID: K1405758-002                       Date Collected: 6/20/2014 11:09:38 AM
Analyst:                                       Data Type: Original
=====

```

Replicate Data: K1405758-002

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.091	-0.091	-0.002	-0.016	0.001			11:09:55	Yes
2	-0.087	-0.087	-0.002	-0.021	0.001			11:10:31	Yes
3	-0.079	-0.079	-0.002	-0.002	0.001			11:11:07	Yes
Mean:	-0.085	-0.085	-0.002						
SD:	0.006	0.006	0.0002						
%RSD:	6.939	6.939	6.94						

```

=====
Sequence No.: 50                               Autosampler Location: 41
Sample ID: K1405824-001                       Date Collected: 6/20/2014 11:12:01 AM
Analyst:                                       Data Type: Original
=====

```

Replicate Data: K1405824-001

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.067	-0.067	-0.002	0.001	0.001			11:12:19	Yes
2	-0.064	-0.064	-0.002	-0.004	0.001			11:12:55	Yes
3	-0.025	-0.025	-0.001	0.012	0.002			11:13:30	Yes
Mean:	-0.052	-0.052	-0.001						
SD:	0.023	0.023	0.0006						
%RSD:	44.82	44.82	44.82						

```

=====
Sequence No.: 51                               Autosampler Location: 42
=====

```

Sample ID: K1405824-002
Analyst:

Date Collected: 6/20/2014 11:14:24 AM
Data Type: Original

Replicate Data: K1405824-002

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.457	0.457	0.012	0.067	0.015			11:14:42	Yes
2	0.588	0.588	0.015	0.106	0.018			11:15:18	Yes
3	0.476	0.476	0.012	0.059	0.015			11:15:54	Yes
Mean:	0.507	0.507	0.013						
SD:	0.070	0.070	0.0018						
%RSD:	13.90	13.90	13.90						

Sequence No.: 52
Sample ID: K1405857-001
Analyst:

Autosampler Location: 43
Date Collected: 6/20/2014 11:16:48 AM
Data Type: Original

Replicate Data: K1405857-001

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.082	-0.082	-0.002	-0.003	0.001			11:17:06	Yes
2	-0.058	-0.058	-0.001	-0.004	0.002			11:17:42	Yes
3	0.023	0.023	0.001	0.009	0.004			11:18:18	Yes
Mean:	-0.039	-0.039	-0.001						
SD:	0.055	0.055	0.0014						
%RSD:	141.4	141.4	141.39						

Sequence No.: 53
Sample ID: K1405857-002
Analyst:

Autosampler Location: 44
Date Collected: 6/20/2014 11:19:12 AM
Data Type: Original

Replicate Data: K1405857-002

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.030	-0.030	-0.001	0.000	0.002			11:19:31	Yes
2	-0.032	-0.032	-0.001	0.006	0.002			11:20:07	Yes
3	-0.054	-0.054	-0.001	0.002	0.002			11:20:42	Yes
Mean:	-0.039	-0.039	-0.001						
SD:	0.013	0.013	0.0003						
%RSD:	34.66	34.66	34.66						

Sequence No.: 54
Sample ID: K1405857-003
Analyst:

Autosampler Location: 45
Date Collected: 6/20/2014 11:21:37 AM
Data Type: Original

Replicate Data: K1405857-003

Repl #	SampleConc ug/L	StndConc ug/L	Blncorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.537	1.537	0.040	0.155	0.043			11:21:56	Yes
2	1.581	1.581	0.041	0.172	0.044			11:22:31	Yes
3	1.551	1.551	0.040	0.157	0.043			11:23:07	Yes
Mean:	1.556	1.556	0.040						
SD:	0.022	0.022	0.0006						
%RSD:	1.433	1.433	1.43						

Sequence No.: 55
Sample ID: K1405461-MB
Analyst:

Autosampler Location: 46
Date Collected: 6/20/2014 11:24:02 AM
Data Type: Original

Replicate Data: K1405461-MB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.020	0.020	0.001	0.002	0.004			11:24:20	Yes
2	-0.002	-0.002	-0.000	0.016	0.003			11:24:56	Yes
3	-0.042	-0.042	-0.001	0.006	0.002			11:25:32	Yes
Mean:	-0.008	-0.008	-0.000						
SD:	0.031	0.031	0.0008						
%RSD:	381.7	381.7	381.71						

Sequence No.: 56 Autosampler Location: 47
Sample ID: LCSWK1405461 Date Collected: 6/20/2014 11:26:27 AM
Analyst: Data Type: Original

Replicate Data: LCSWK1405461

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.140	5.140	0.132	0.531	0.136			11:26:46	Yes
2	5.126	5.126	0.132	0.523	0.135			11:27:22	Yes
3	5.373	5.373	0.138	0.545	0.142			11:27:58	Yes
Mean:	5.213	5.213	0.134						
SD:	0.139	0.139	0.0036						
%RSD:	2.669	2.669	2.67						

Sequence No.: 57 Autosampler Location: 48
Sample ID: K1405461-001 Date Collected: 6/20/2014 11:28:53 AM
Analyst: Data Type: Original

Replicate Data: K1405461-001

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.060	0.060	0.002	0.011	0.005			11:29:08	Yes
2	0.018	0.018	0.000	0.002	0.004			11:29:44	Yes
3	0.031	0.031	0.001	0.002	0.004			11:30:20	Yes
Mean:	0.036	0.036	0.001						
SD:	0.022	0.022	0.0006						
%RSD:	59.75	59.75	59.75						

Sequence No.: 58 Autosampler Location: 5
Sample ID: CCV Date Collected: 6/20/2014 11:31:12 AM
Analyst: Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	7.269	7.269	0.187	0.701	0.190			11:31:30	Yes
2	7.300	7.300	0.188	0.697	0.191			11:32:06	Yes
3	7.389	7.389	0.190	0.724	0.194			11:32:42	Yes
Mean:	7.319	7.319	0.189						
SD:	0.063	0.063	0.0016						
%RSD:	0.855	0.855	0.85						

QC value within limits for Se 196.03 Recovery = 97.59%
All analyte(s) passed QC.

Sequence No.: 59 Autosampler Location: 1
Sample ID: CCB Date Collected: 6/20/2014 11:33:36 AM
Analyst: Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.054	0.054	0.001	0.022	0.005			11:33:53	Yes

2	0.017	0.017	0.000	0.016	0.004	11:34:29	Yes
3	-0.062	-0.062	-0.002	-0.003	0.002	11:35:04	Yes
Mean:	0.003	0.003	0.000				
SD:	0.059	0.059	0.0015				
%RSD:	>999.9%	>999.9%	>999.9%				

QC value within limits for Se 196.03 Recovery = Not calculated
 All analyte(s) passed QC.

Sequence No.: 60 Autosampler Location: 49
 Sample ID: K1405461-001A Date Collected: 6/20/2014 11:35:57 AM
 Analyst: Data Type: Original

Replicate Data: K1405461-001A

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	4.982	4.982	0.128	0.524	0.132			11:36:13	Yes
2	4.930	4.930	0.127	0.522	0.130			11:36:49	Yes
3	5.049	5.049	0.130	0.520	0.133			11:37:24	Yes
Mean:	4.987	4.987	0.129						
SD:	0.060	0.060	0.0015						
%RSD:	1.201	1.201	1.20						

Sequence No.: 61 Autosampler Location: 50
 Sample ID: K1405461-001D Date Collected: 6/20/2014 11:38:16 AM
 Analyst: Data Type: Original

Replicate Data: K1405461-001D

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.058	0.058	0.001	0.004	0.005			11:38:32	Yes
2	0.069	0.069	0.002	0.024	0.005			11:39:07	Yes
3	0.059	0.059	0.002	0.015	0.005			11:39:43	Yes
Mean:	0.062	0.062	0.002						
SD:	0.007	0.007	0.0002						
%RSD:	10.49	10.49	10.49						

Sequence No.: 62 Autosampler Location: 51
 Sample ID: K1405461-001S Date Collected: 6/20/2014 11:40:35 AM
 Analyst: Data Type: Original

Replicate Data: K1405461-001S

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	7.677	7.677	0.198	0.828	0.201			11:40:51	Yes
2	8.186	8.186	0.211	0.838	0.214			11:41:27	Yes
3	7.594	7.594	0.196	0.832	0.199			11:42:03	Yes
Mean:	7.819	7.819	0.201						
SD:	0.321	0.321	0.0083						
%RSD:	4.103	4.103	4.10						

Sequence No.: 63 Autosampler Location: 52
 Sample ID: K1405461-012 Date Collected: 6/20/2014 11:42:56 AM
 Analyst: Data Type: Original

Replicate Data: K1405461-012

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.180	0.180	0.005	0.024	0.008			11:43:12	Yes
2	0.112	0.112	0.003	0.024	0.006			11:43:48	Yes
3	0.080	0.080	0.002	0.007	0.005			11:44:23	Yes
Mean:	0.124	0.124	0.003						

SD: 0.051 0.051 0.0013
%RSD: 41.27 41.27 41.27

Sequence No.: 64 Autosampler Location: 53
Sample ID: K1405461-013 Date Collected: 6/20/2014 11:45:16 AM
Analyst: Data Type: Original

Replicate Data: K1405461-013

Table with 10 columns: Repl #, SampleConc ug/L, StndConc ug/L, BlnkCorr Signal, Peak Area, Peak Height, Bkgnd Area, Bkgnd Height, Time, Peak Stored. Contains 3 replicate rows and summary statistics.

Sequence No.: 65 Autosampler Location: 54
Sample ID: K1405461-014 Date Collected: 6/20/2014 11:47:37 AM
Analyst: Data Type: Original

Replicate Data: K1405461-014

Table with 10 columns: Repl #, SampleConc ug/L, StndConc ug/L, BlnkCorr Signal, Peak Area, Peak Height, Bkgnd Area, Bkgnd Height, Time, Peak Stored. Contains 3 replicate rows and summary statistics.

Sequence No.: 66 Autosampler Location: 55
Sample ID: K1405461-015 Date Collected: 6/20/2014 11:49:59 AM
Analyst: Data Type: Original

Replicate Data: K1405461-015

Table with 10 columns: Repl #, SampleConc ug/L, StndConc ug/L, BlnkCorr Signal, Peak Area, Peak Height, Bkgnd Area, Bkgnd Height, Time, Peak Stored. Contains 3 replicate rows and summary statistics.

Sequence No.: 67 Autosampler Location: 56
Sample ID: K1405461-016 Date Collected: 6/20/2014 11:52:21 AM
Analyst: Data Type: Original

Replicate Data: K1405461-016

Table with 10 columns: Repl #, SampleConc ug/L, StndConc ug/L, BlnkCorr Signal, Peak Area, Peak Height, Bkgnd Area, Bkgnd Height, Time, Peak Stored. Contains 3 replicate rows and summary statistics.

Sequence No.: 68 Autosampler Location: 57

Sample ID: K1405461-017
Analyst:

Date Collected: 6/20/2014 11:54:43 AM
Data Type: Original

Replicate Data: K1405461-017

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.067	0.067	0.002	0.020	0.005			11:55:00	Yes
2	0.013	0.013	0.000	0.008	0.003			11:55:36	Yes
3	0.018	0.018	0.000	0.004	0.004			11:56:12	Yes
Mean:	0.033	0.033	0.001						
SD:	0.030	0.030	0.0008						
%RSD:	90.84	90.84	90.84						

Sequence No.: 69
Sample ID: K1405461-018
Analyst:

Autosampler Location: 58
Date Collected: 6/20/2014 11:57:05 AM
Data Type: Original

Replicate Data: K1405461-018

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.011	-0.011	-0.000	0.004	0.003			11:57:23	Yes
2	-0.003	-0.003	-0.000	0.005	0.003			11:57:58	Yes
3	0.025	0.025	0.001	0.018	0.004			11:58:34	Yes
Mean:	0.004	0.004	0.000						
SD:	0.019	0.019	0.0005						
%RSD:	478.8	478.8	478.76						

Sequence No.: 70
Sample ID: CCV
Analyst:

Autosampler Location: 5
Date Collected: 6/20/2014 11:59:28 AM
Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	7.334	7.334	0.189	0.720	0.192			11:59:46	Yes
2	7.286	7.286	0.188	0.724	0.191			12:00:22	Yes
3	7.248	7.248	0.187	0.715	0.190			12:00:58	Yes
Mean:	7.289	7.289	0.188						
SD:	0.043	0.043	0.0011						
%RSD:	0.585	0.585	0.59						

QC value within limits for Se 196.03 Recovery = 97.19%
All analyte(s) passed QC.

Sequence No.: 71
Sample ID: CCB
Analyst:

Autosampler Location: 1
Date Collected: 6/20/2014 12:01:52 PM
Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.033	0.033	0.001	-0.001	0.004			12:02:09	Yes
2	-0.015	-0.015	-0.000	0.004	0.003			12:02:45	Yes
3	-0.009	-0.009	-0.000	0.020	0.003			12:03:20	Yes
Mean:	0.003	0.003	0.000						
SD:	0.026	0.026	0.0007						
%RSD:	832.5	832.5	832.54						

QC value within limits for Se 196.03 Recovery = Not calculated
All analyte(s) passed QC.

CVAA Mercury Data Review Form

K-CVAA-02

Element: Hg

Analysis Lot #: 060614B-HG2

Starlims #: 395960

Cal. STD/CCV Source: HG2-51-P

Service Request Numbers:

K1405503, K1405510, K1405556 (2-10), K1405572

Hg Blanks (6-3/6-4)

	Yes	No	NA
1) Appropriate standardization completed	<u>X</u>		
2) ICV within 10% of true value	<u>X</u>		
3) CCVs in control (+/- 10%)	<u>X</u>		
4) CCBs and or ICBs below MRL	<u>X</u>		
5) CCV/CCB check run every 10 samples	<u>X</u>		
6) All reported samples within calibration range	<u>X</u>		
7) Calculations correct	<u>X</u>		

Comments:

Data reviewed against service request(s) to ensure no samples were omitted: JDB (Initials)

Primary Reviewed By: JDB

Date: 6/6/14

Secondary Reviewed By: JMT

Date: 6/6/14

CVAA Hg ANALYTICAL WORKSHEET

Method: (Circle One) 7470A 7471B 245.1	Service Request # :
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	Measured (µg/L)	Sample Actual (mg/kg)	Sample Actual (µg/L)
1	Cal. Blk.	~	50	~	0.00		0.00
2	Std 0.2	*0.1	50	~	0.20		0.20
3	Std 0.5	*0.25	50	~	0.50		0.50
4	Std 1.0	*0.5	50	~	1.00		1.00
5	Std 5.0	*2.5	50	~	5.00		5.00
6	Std 10.0	*5.0	50	~	10.00		10.00
7	ICV1	**0.25	50	~	5.000		100%
8	ICB1	~	50	~	-0.005		-0.005
9	LLICV1	*0.1	50	~	0.208		104%
10	CCV1	*2.5	50	~	5.120		102%
11	CCB1	~	50	~	0.007		0.007
12	KQ1406234-01	20	20	~	0.011		0.011
13	KQ1406234-02	20	20	~	4.910		98%
14	K1405572-001	20	20	~	0.012		0.012
15	K1405572-001A	20	20	~	1.010		101%
16	K1405572-001D	20	20	~	0.014		0.014
17	K1405572-001S	20	20	~	1.000		100%
18	K1405572-001SD	20	20	~	0.974		97%
19	K1405556-002	20	20	~	0.006		0.006
20	K1405556-002A	20	20	~	1.080		108%
21	K1405556-002D	20	20	~	-0.001		-0.001
22	CCV1	~	50	~	5.020		100%
23	CCB1	~	50	~	-0.004		-0.004
24	K1405556-002S	20	20	~	1.040		104%
25	K1405556-003	20	20	~	0.010		0.010

Comments:	Cal. Inter. Std* (100ppb) <u>HG2-51-R</u> 2nd Source Inter Std** (1ppm) <u>HG2-51-J</u>																																										
Water Spike level: 5.0 ppb																																											
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 20%;">Method</th> <th style="width: 15%;">Spike Level</th> <th style="width: 15%;">MRL</th> <th style="width: 15%;">LCS Limit</th> <th style="width: 15%;">MS Limit</th> <th style="width: 10%;">RPD</th> <th style="width: 10%;">Post-Spike @ 5ppb</th> </tr> </thead> <tbody> <tr> <td>7470A Water</td> <td>1.0 µg/L</td> <td>0.2 µg/L</td> <td>80-120%</td> <td>75-125%</td> <td>20%</td> <td>+/- 20%</td> </tr> <tr> <td>245.1 Water</td> <td>1.0 µg/L</td> <td>0.2 µg/L</td> <td>85-115%</td> <td>70-130%</td> <td>20%</td> <td>+/- 20%</td> </tr> <tr> <td>7470A TCLP</td> <td>5.0 µg/L</td> <td>1.0 µg/L</td> <td>80-120%</td> <td>75-125%</td> <td>20%</td> <td>+/- 20%</td> </tr> <tr> <td>7471A Soil LCSS</td> <td>19.9mg/kg</td> <td>0.02 mg/kg</td> <td>48-137%</td> <td>80-120%</td> <td>20%</td> <td>+/- 20%</td> </tr> <tr> <td>7471A Tissue Tort</td> <td>0.292 mg/kg</td> <td>0.02 mg/kg</td> <td>74-129%</td> <td>80-120%</td> <td>20%</td> <td>+/- 20%</td> </tr> </tbody> </table>	Method	Spike Level	MRL	LCS Limit	MS Limit	RPD	Post-Spike @ 5ppb	7470A Water	1.0 µg/L	0.2 µg/L	80-120%	75-125%	20%	+/- 20%	245.1 Water	1.0 µg/L	0.2 µg/L	85-115%	70-130%	20%	+/- 20%	7470A TCLP	5.0 µg/L	1.0 µg/L	80-120%	75-125%	20%	+/- 20%	7471A Soil LCSS	19.9mg/kg	0.02 mg/kg	48-137%	80-120%	20%	+/- 20%	7471A Tissue Tort	0.292 mg/kg	0.02 mg/kg	74-129%	80-120%	20%	+/- 20%	
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Analyst: 	Date: 6/6/19	Page Number: 1
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CVA A Hg ANALYTICAL WORKSHEET

Method: (Circle One) 7470A 7471B 245.1	Service Request # :
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	Measured (µg/L)	Sample Actual (mg/kg)	Sample Actual (µg/L)
26	K1405556-004	20	20	~	0.005		0.005
27	K1405556-005	20	20	~	0.004		0.004
28	K1405556-006	20	20	~	0.010		0.010
29	K1405556-007	20	20	~	0.004		0.004
30	K1405556-010	20	20	~	0.009		0.009
31	K1405503-001	20	20	~	0.043		0.043
32	K1405510-001 1/5	20 4	20	~ 15	0.415	Cx=0.654	16.350
33	K1405510-001A 1/5	20	20	~ 15	3.590		63.5%
34	CCV1	*2.5	50	~	5.400		108%
35	CCB1	~	50	~	-0.010		-0.010
36	K1405510-001 1/10	20 4	20	~ 10	0.219	Cx=0.269	13.450
37	K1405510-001A 1/10	20	20	~ 10	4.190		79.4%
38	Hg Blk #1 6/3/14	20	20	~	0.004		0.004
39	Hg Blk #2 6/3/14	20	20	~	0.003		0.003
40	Hg Blk #1 6/4/14	20	20	~	0.005		0.005
41	CCV4	*2.5	50	~	5.050		101%
42	CCB4	~	50	~	-0.005		-0.005
43							
44							
45							
46							
47							
48							
49							
50							

Spike
6/6/14

Comments:

Water Spike level:	5.0 ppb					
Method	Spike Level	MRL	LCS Limit	MS Limit	RPD	Post-Spike @ 5ppb
7470A Water	1.0 µg/L	0.2 µg/L	80-120%	75-125%	20%	+/- 20%
245.1 Water	1.0 µg/L	0.2 µg/L	85-115%	70-130%	20%	+/- 20%
7470A TCLP	5.0 µg/L	1.0 µg/L	80-120%	75-125%	20%	+/- 20%
7471A Soil LCSS	19.9mg/kg	0.02 mg/kg	48-137%	80-120%	20%	+/- 20%
7471A Tissue Tort	0.292 mg/kg	0.02 mg/kg	74-129%	80-120%	20%	+/- 20%

Analyst: 	Date: 6/6/14	Page Number: 2
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Report Generated By CETAC QuickTrace

Analyst: alkls.alklsp196

Worksheet file: C:\Program Files\QuickTrace\Worksheets\060614B-HG2.wsz

Date Started: 6/6/2014 10:36:21 AM

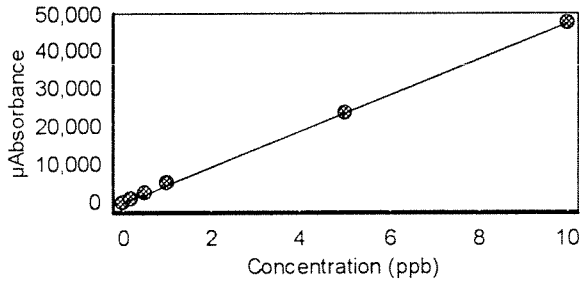
Comment:

Results

Sample Name					Type	Date/Time	Conc (ppb)	μAbs	%RSD	Flags
Calibration Blank					STD	06/06/14 10:54:37 am	0.000	-18	242.39	
Replicates	-73.3	22.4	-36.2	13.3						
Standard #1					STD	06/06/14 10:56:14 am	0.200	1003	2.13	
Replicates	1018.9	1023.6	985.3	983.6						
Standard #2					STD	06/06/14 10:57:51 am	0.500	2631	1.04	
Replicates	2592.3	2638.2	2657.0	2636.0						
Standard #3					STD	06/06/14 10:59:28 am	1.000	5115	0.50	
Replicates	5144.3	5121.3	5109.3	5083.3						
Standard #4					STD	06/06/14 11:01:07 am	5.000	23720	0.25	
Replicates	23685.6	23775.5	23764.2	23652.7						
Standard #5					STD	06/06/14 11:02:45 am	10.000	47649	0.17	
Replicates	47653.7	47714.1	47691.9	47534.7						

Calibration

Equation: $A = -18.458 + 4766.985C$
 R2: 0.99986
 SEE: 269.9597
 Flags:



ICV1					ICV	06/06/14 11:04:25 am	5.000	23820	0.19	
Replicates	23812.9	23850.7	23859.8	23758.5						
% Recovery	100.02									
ICB1					ICB	06/06/14 11:06:00 am	-0.005	-42	9.40	
Replicates	-47.0	-37.4	-43.0	-41.7						

Sample Name				Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
LLICV1				CRDL	06/06/14 11:07:37 am	0.208	971	2.96	
Replicates	927.7	985.6	984.1		985.7				
% Recovery	103.76								
CCV1				CCV	06/06/14 11:09:15 am	5.120	24374	0.43	
Replicates	24231.4	24361.9	24466.9		24437.7				
% Recovery	102.34								
CCB1				CCB	06/06/14 11:10:50 am	0.007	16	120.05	
Replicates	42.3	11.7	-4.9		16.0				
KQ1406234-01				UNK	06/06/14 11:12:26 am	0.011	33	70.39	
Replicates	30.8	61.8	33.9		5.1				
KQ1406234-02				UNK	06/06/14 11:14:03 am	4.910	23387	1.25	
Replicates	23269.4	23213.3	23242.4		23822.9				
K1405572-001				UNK	06/06/14 11:15:39 am	0.012	39	84.94	
Replicates	64.1	-4.6	63.9		30.8				
K1405572-001A				UNK	06/06/14 11:17:16 am	1.010	4773	0.48	
Replicates	4741.9	4770.6	4793.6		4786.1				
K1405572-001D				UNK	06/06/14 11:18:52 am	0.014	50	12.73	
Replicates	42.8	46.9	56.9		53.7				
K1405572-001S				UNK	06/06/14 11:20:30 am	1.000	4768	0.54	
Replicates	4733.0	4774.1	4768.4		4795.4				
K1405572-001SD				UNK	06/06/14 11:22:07 am	0.974	4627	3.22	
Replicates	4506.5	4532.2	4633.0		4834.9				
K1405556-002				UNK	06/06/14 11:23:45 am	0.006	10	187.56	
Replicates	5.0	33.9	11.4		-10.8				
K1405556-002A				UNK	06/06/14 11:25:23 am	1.080	5113	5.67	
Replicates	4793.4	4951.8	5284.6		5421.0				

Sample Name				Type	Date/Time	Conc (ppb)	μAbs	%RSD	Flags
K1405556-002D				UNK	06/06/14 11:27:01 am	-0.001	-24	39.84	
Replicates	-26.5	-13.6	-19.6	-35.7					
CCV1				CCV	06/06/14 11:28:39 am	5.020	23901	0.15	
Replicates	23910.2	23919.0	23924.7	23848.7					
% Recovery	100.35								
CCB1				CCB	06/06/14 11:30:15 am	-0.004	-36	12.08	
Replicates	-29.6	-36.0	-39.2	-38.2					
K1405556-002S				UNK	06/06/14 11:31:54 am	1.040	4947	0.48	
Replicates	4944.1	4964.2	4915.0	4965.9					
K1405556-003				UNK	06/06/14 11:33:33 am	0.010	28	45.10	
Replicates	46.8	24.3	18.7	22.7					
K1405556-004				UNK	06/06/14 11:35:08 am	0.005	8	221.96	
Replicates	18.3	-9.1	-4.5	26.2					
K1405556-005				UNK	06/06/14 11:36:44 am	0.004	0	1534.57	
Replicates	5.8	-14.8	26.8	-17.0					
K1405556-006				UNK	06/06/14 11:38:20 am	0.010	30	57.86	
Replicates	44.3	18.3	46.9	12.5					
K1405556-007				UNK	06/06/14 11:39:56 am	0.004	3	889.01	
Replicates	-28.2	24.6	-5.9	20.7					
K1405556-010				UNK	06/06/14 11:41:33 am	0.009	22	92.24	
Replicates	15.9	50.0	0.6	23.1					
K1405503-001				UNK	06/06/14 11:43:10 am	0.043	185	7.15	
Replicates	171.7	196.9	195.9	175.5					
K1405510-001 1/5				UNK	06/06/14 11:44:47 am	0.415	1962	3.63	
Replicates	1862.7	1957.1	2013.1	2013.8					

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags
K1405510-001A 1/5 Replicates	UNK	06/06/14 11:46:24 am	3.590	17084	1.48	
			16730.4	17115.6	17330.0	17158.4
CCV1 Replicates % Recovery	CCV	06/06/14 11:48:02 am	5.400	25716	0.45	
			25784.3	25790.0	25744.0	25543.8
			107.97			
CCB1 Replicates	CCB	06/06/14 11:49:38 am	-0.010	-67	61.06	
			-31.5	-74.2	-40.0	-121.2
K1405510-001 1/10 Replicates	UNK	06/06/14 11:51:16 am	0.219	1025	3.30	
			1065.2	1036.8	1008.8	987.3
K1405510-001A 1/10 Replicates	UNK	06/06/14 11:52:54 am	4.190	19943	5.96	
			18760.1	19221.9	20393.6	21395.4
Hg Blk #1 6/3/14 Replicates	UNK	06/06/14 11:55:48 am	0.004	0	1055.94	
			52.5	-19.8	-22.6	-10.1
Hg Blk #2 6/3/14 Replicates	UNK	06/06/14 11:57:27 am	0.003	-2	968.38	
			-6.6	-30.4	23.0	4.8
Hg Blk #1 6/4/14 Replicates	UNK	06/06/14 11:59:02 am	0.005	6	514.12	
			-13.2	-19.0	4.0	53.8
CCV4 Replicates % Recovery	CCV	06/06/14 12:00:40 pm	5.050	24047	0.10	
			24068.2	24035.2	24064.1	24020.6
			100.97			
CCB4 Replicates	CCB	06/06/14 12:02:16 pm	-0.005	-44	57.31	
			-43.4	-56.5	-65.7	-8.7

Preparation Information Benchsheet

Prep Run: 210226 **Prep Workflow:** HgDigAq **Status:** Prepped **Prep Date:** 06/05/2014
Team: Metals **Prep Method:** Method **Current Step:** Digestion 17:00
Analyst: JBAILEY **Rush/NPDES:** NPDES **Due Date:** 06/15/2014
Hold Date: 07/01/2014

Lab Code	Client ID	Bottle #	Initial Amt	Final Volume	Spike Amt	Spike ID	TestNo List	Comments
KQ1406234-01	Method Blank		20 mL	20 mL			Hg T	
KQ1406234-02	Lab Control Sample		20 mL	20 mL	0.1 mL	71169	Hg T	
K1405503-001	CAK-ARDS-20140603	.03	20 mL	20 mL			Hg T	
K1405510-001	060314	.01	4 mL	20 mL			Hg T	
K1405556-002	CTMW-14-0614	.14	20 mL	20 mL			Hg T	
K1405556-002: KQ1406234-03	Duplicate	.14	20 mL	20 mL			Hg T	
K1405556-002: KQ1406234-04	Matrix Spike	.14	20 mL	20 mL	0.2 mL	71341	Hg T	
K1405556-003	CTMW-18-0614	.14	20 mL	20 mL			Hg T	
K1405556-004	CTMW-5-0614	.14	20 mL	20 mL			Hg T	
K1405556-005	CTMW-20-0614	.14	20 mL	20 mL			Hg T	
K1405556-006	CTMW-15-0614	.14	20 mL	20 mL			Hg T	
K1405556-007	CTMW-25D-0614	.14	20 mL	20 mL			Hg T	
K1405556-010	CTMW-23-0614	.14	20 mL	20 mL			Hg T	
K1405572-001	SYC14-ODMDS-SW	.03	20 mL	20 mL			Hg T	
K1405572-001: KQ1406234-05	Duplicate	.03	20 mL	20 mL			Hg T	
K1405572-001: KQ1406234-06	Matrix Spike	.03	20 mL	20 mL	0.2 mL	71341	Hg T	
K1405572-001: KQ1406234-07	Duplicate Matrix Spike	.03	20 mL	20 mL	0.2 mL	71341	Hg T	

17 Total Samples consisting of 10 Client Samples, 5 Client QC Samples, 2 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Name	Type	ID	Expires	Name	Type	ID	Expires
K-MET Hg Source Standard 100 ug/L	Spike	71341	6/6/2014	K-MET Hg Source Standard 1000 ug/L	Spike	71169	7/1/2014

Preparation Materials

Step	Name	ID	Step	Name	ID
Digestion	K-MET HNO3 Hg	62750	Digestion	K-MET KMnO4 Hg	62754
Digestion	K-MET K2S2O8 Hg	62751	Digestion	K-MET H2SO4 Hg	62755
Digestion	K-MET SnCl Hg	62752	Digestion	K-MET NH2OH-HCl Hg	62756

Digestion	K-MET NACL Hg	62753	Digestion	K-MET 50ml Centrifuge Tube	63655
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Preparation Hardware / Equipment

Step	Name	Property	Value	Step	Name	Property	Value		
Digestion	K-BlockDigester-08	Corrected Temperature	95	deg C	Digestion	K-BlockDigester-08	Thermometer Correction factor	0	deg C
Digestion	K-BlockDigester-08	Observed Temperature	95	deg C	Digestion	K-BlockDigester-08	Thermometer Location	5	NONE
Digestion	K-BlockDigester-08	Temperature Thermo	95	deg C					
		211918353							

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Digestion	05-JUN-14 17:00	05-JUN-14 19:00	JBAILEY		N	

Comments

CCV/STD=HG2-51-P

Review

Reviewed by: EMA Date: 6/6/14

Service Request # K1405572 (2.5/50) _____
 Calibration _____061814AMS03 _____
 QC in calibration _061814AMS03 _____
 QC Service Request # K1405818 _____
 STARLIMS Batch # 397650 _____

ICP-MS 200.8 Data Review Form

	Yes	No	NA
1. Appropriate standardization completed	<u> X </u>	<u> </u>	<u> </u>
2. ICV in control (+/- 10%)	<u> X </u>	<u> </u>	<u> </u>
3. CCV's in control (+/- 10%)	<u> X </u>	<u> </u>	<u> </u>
4. CCB's and/or ICB's below MRL	<u> X </u>	<u> </u>	<u> </u>
5. Method blank below MRL	<u> X </u>	<u> </u>	<u> </u>
6. LCS in control (+/-15%)	<u> X </u>	<u> </u>	<u> </u>
7. Spike within 70-130%, Duplicate within 20%	<u> X </u>	<u> </u>	<u> </u>
8. All analytes within instrument linear range	<u> X </u>	<u> </u>	<u> </u>
9. Adequate rinse out time allowed	<u> X </u>	<u> </u>	<u> </u>
10. Internal standards in control (60-125%)	<u> X </u>	<u> </u>	<u> </u>
11. Interferences checked	<u> X </u>	<u> </u>	<u> </u>
12. Se over MRL	<u> </u>	<u> </u>	<u> X </u>
13. CRA run (50-199%)	<u> X </u>	<u> </u>	<u> </u>
14. ICSA and ICSAB in control	<u> </u>	<u> </u>	<u> X </u>
15. Serial dilution run	<u> </u>	<u> </u>	<u> X </u>
16. Post spike in control	<u> </u>	<u> </u>	<u> X </u>

Comments:

Primary Review by 3
 Secondary Review by 2
R:\icp\misc\data review forms\PQ ExCell review form

Date 6/18/14
 Date 6/18/14

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	Cal. Blk	Blank	1.000	0	1	1	145
2	Cal. Stn	Fully Quant Standard	1.000	0	1	2	145
3	ICV1	Unknown	1.000	0	1	3	145
4	CCV1	Unknown	1.000	0	1	2	145
5	ICB1	Unknown	1.000	0	1	1	145
6	CCB1	Unknown	1.000	0	1	1	145
7	LLICVW	Unknown	1.000	0	1	4	145
8	LLICV (Th @ 0.1 ppb)	Unknown	1.000	0	1	7	145
9	ICSA	Unknown	1.000	0	1	5	145
10	ICSAB	Unknown	1.000	0	1	6	145
11	K1405912-MB	Unknown	1.000	1	1	1	145
12	LCSW	Unknown	1.000	1	1	2	145
13	K1405912-002 1/2	Unknown	1.000	1	1	3	145
14	K1405912-002D 1/2	Unknown	1.000	1	1	4	145
15	K1405912-002L 1/10	Unknown	1.000	1	1	5	145
16	K1405912-002A 1/2	Unknown	1.000	1	1	6	145
17	K1405912-002S 1/2	Unknown	1.000	1	1	7	145
18	K1405912-001 1/2	Unknown	1.000	1	1	8	145
19	K1405880-001	Unknown	1.000	1	1	9	145
20	K1405880-001L	Unknown	1.000	2	1	1	145
21	CCV2	Unknown	1.000	0	1	2	145
22	CCB2	Unknown	1.000	0	1	1	145
23	LLCCVW1	Unknown	1.000	0	1	4	145
24	K1405880-01A	Unknown	1.000	2	1	2	145
25	K1405580-002	Unknown	1.000	1	1	10	145
26	K1405880-003	Unknown	1.000	1	1	11	145
27	K1405721-MB	Unknown	1.000	1	1	12	145
28	K1405721-001	Unknown	1.000	1	2	2	145
29	K1405721-001D	Unknown	1.000	1	2	3	145
30	K1405721-001L 1/5	Unknown	1.000	1	2	4	145
31	K1405721-001A	Unknown	1.000	1	2	5	145
32	K1405721-001S	Unknown	1.000	1	2	6	145
33	LCSW	Unknown	1.000	1	2	1	145
34	CCV3	Unknown	1.000	0	1	2	145
35	CCV3	Unknown	1.000	0	1	2	145
36	CCB3	Unknown	1.000	0	1	1	145
37	K1405721-002	Unknown	1.000	1	2	7	145
38	K1405721-003	Unknown	1.000	1	2	8	145
39	K1405721-004	Unknown	1.000	1	2	9	145
40	K1405721-005	Unknown	1.000	1	2	10	145
41	K1405721-006	Unknown	1.000	1	2	11	145
42	K1405941-001	Unknown	1.000	1	2	12	145
43	K1405572-MB	Unknown	1.000	1	3	1	145
44	LCSW	Unknown	1.000	1	3	2	145
45	K1405572-001	Unknown	1.000	1	3	3	145
46	K1405818-001	Unknown	1.000	1	3	4	145
47	CCV4	Unknown	1.000	0	1	2	145
48	CCB4	Unknown	1.000	0	1	1	145
49	LLCCVW2	Unknown	1.000	0	1	4	145
50	K1405818-002	Unknown	1.000	1	3	5	145
51	K1405818-002D	Unknown	1.000	1	3	6	145
52	K1405818-002S	Unknown	1.000	1	3	7	145
53	K1405818-002SD	Unknown	1.000	1	3	8	145
54	K1405818-003	Unknown	1.000	1	3	9	145
55	K1405818-004	Unknown	1.000	1	3	10	145
56	K1405461-MB	Unknown	1.000	1	3	11	145
57	LCSW	Unknown	1.000	1	3	12	145
58	CCV5	Unknown	1.000	0	1	2	145
59	CCB5	Unknown	1.000	0	1	1	145
60	K1405461-012	Unknown	1.000	1	4	1	145
61	K1405461-012D	Unknown	1.000	1	4	2	145
62	K1405461-012S	Unknown	1.000	1	4	3	145
63	K1405461-013	Unknown	1.000	1	4	4	145
64	K1405461-014	Unknown	1.000	1	4	5	145
65	K1405461-015	Unknown	1.000	1	4	6	145
66	K1405461-016	Unknown	1.000	1	4	7	145
67	K1405461-017	Unknown	1.000	1	4	8	145

68	K1405461-018	Unknown	1.000	1	4	9	145
69	CCV6	QC Sample	1.000	0	1	2	145
70	CCB6	QC Sample	1.000	0	1	1	145

Performance Report

Sample details

Acquired at : 6/18/2014 6:07:25 AM

Report name : Kelso Performance Report 3 [8/24/2011 10:10:34 AM]

Mass Calibration verification

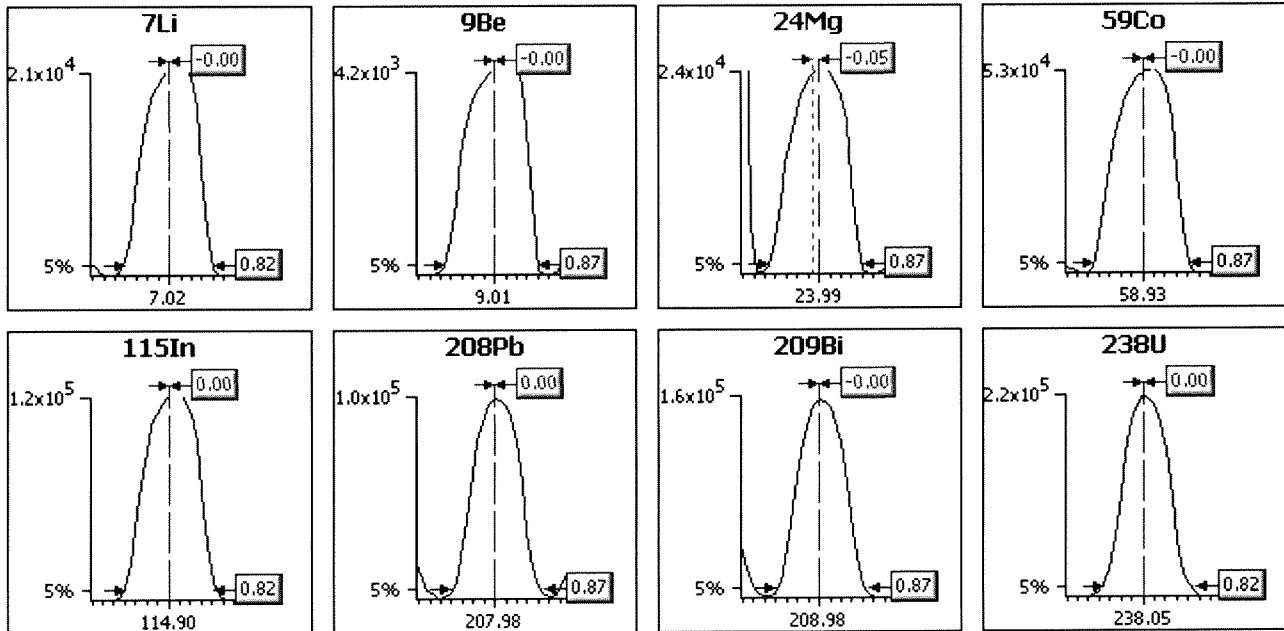
Acquisition parameters

Sweeps : 100

Dwell : 1.0 mSecs

Point spacing : 0.05 amu

Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
7Li	0.90	0.60	0.10	0.82	-0.00
9Be	0.90	0.60	0.10	0.87	-0.00
24Mg	0.90	0.60	0.10	0.87	-0.05
59Co	0.90	0.60	0.10	0.87	-0.00
115In	0.90	0.60	0.10	0.82	0.00
208Pb	0.90	0.60	0.10	0.87	0.00
209Bi	0.90	0.60	0.10	0.87	-0.00
238U	0.90	0.60	0.10	0.82	0.00

Sample details

Acquired at : 6/18/2014 6:07:25 AM

Report name : Kelso Performance Report 3 [8/24/2011 10:10:34 AM]

Tune conditions

Major		Minor		Global		Add. Gases
Extraction	-122	Lens 2	-19.6	Standard resolution	100	
Lens 1	2.9	Lens 3	-174.9	High resolution	71	
Focus	19.4	Forward power	1247	Analogue Detector	2000	
D1	-37.6	Horizontal	142	PC Detector	3330	
Pole Bias	0.4	Vertical	325			
Hexapole Bias	0.6	D2	-149			
Nebuliser	0.79	DA	-32.9			
Sampling Depth	41	Cool	13.0			
		Auxiliary	0.80			

Sensitivity and stability results**Acquisition parameters**

Sweeps : 400

Run	Time	5Bkg	7Li	9Be	24Mg	59Co	115In	140Ce	156Ce O	208Pb
Dwell (mSecs)		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	5.0%	-	-	5.0%
	Countrate	-	>1000	>1000	>1000	>1000	>1000	-	-	>1000
1	6:07:58 AM	0.000	21750.990	4510.369	24249.048	55035.336	124152.51	130031.85	2850.697	107077.67
2	6:09:11 AM	0.000	21558.783	4511.869	24540.579	55018.736	124298.99	129621.81	2919.719	106754.90
3	6:10:24 AM	0.750	21344.528	4489.108	24177.357	54636.441	123661.64	129289.12	2721.657	106843.44
4	6:11:38 AM	0.000	21381.615	4413.321	23878.569	54312.257	122913.09	128428.80	2775.174	105728.26
5	6:12:51 AM	0.250	21595.620	4483.355	24154.296	54524.773	123529.61	128441.48	2780.675	106008.24
x		0.200	21526.307	4481.604	24199.970	54705.509	123711.17	129162.61	2809.584	106482.50
σ		0.33	166.07	40.20	236.81	315.82	550.61	714.31	76.76	581.48
%RSD		162.980	0.771	0.897	0.979	0.577	0.445	0.553	2.732	0.546

Run	Time	209Bi	220Bkg	238U
Dwell (mSecs)		10.0	10.0	10.0
Limits	%RSD	5.0%	-	5.0%
	Countrate	>1000	-	>1000
1	6:07:58 AM	162460.02	0.000	222613.91
2	6:09:11 AM	161797.36	0.250	222110.32
3	6:10:24 AM	162218.01	0.000	222166.16
4	6:11:38 AM	160882.08	0.250	220528.24
5	6:12:51 AM	160578.28	0.000	220295.71
x		161587.15	0.100	221542.87
σ		824.47	0.14	1053.86
%RSD		0.510	136.931	0.476

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0300
1	6:07:58 AM	0.022
2	6:09:11 AM	0.023
3	6:10:24 AM	0.021
4	6:11:38 AM	0.022
5	6:12:51 AM	0.022
x		0.0218
σ		0.00
%RSD		2.4642

Result : The performance report passed.

Dilution Corrected Concentrations

Cal. Blk 6/18/2014 6:40:17 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:40:17	-0.0032	-0.0154	-0.0002	-0.0036	98.9%	98.9%	98.6%	0.0003	-0.0000	-0.0011
2	06:40:44	-0.0059	0.0095	-0.0177	-0.0027	100.6%	99.9%	100.3%	-0.0007	-0.0010	0.0017
3	06:41:10	0.0091	0.0059	0.0179	0.0062	100.4%	101.3%	101.1%	0.0004	0.0011	-0.0006
x		0.0000	0.0000	0.0000	0.0000	100.0%	100.0%	100.0%	0.0000	0.0000	0.0000
σ		0.0080	0.0135	0.0178	0.0054	0.9%	1.2%	1.3%	0.0006	0.0010	0.0015
%RSD		0.0000	0.0000	0.0000	0.0000	0.9	1.2	1.3	0.0000	0.0000	0.0000
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	06:40:17	0.0029	0.0000	98.4%	98.3%	-0.0016	-0.0010	-0.0011	-0.0024	0.0000	
2	06:40:44	-0.0018	0.0002	100.2%	101.4%	-0.0013	-0.0011	-0.0008	-0.0003	0.0000	
3	06:41:10	-0.0011	-0.0003	101.3%	100.3%	0.0029	0.0020	0.0019	0.0027	-0.0000	
x		0.0000	0.0000	100.0%	100.0%	0.0000	0.0000	0.0000	0.0000	0.0000	
σ		0.0025	0.0003	1.5%	1.6%	0.0025	0.0018	0.0016	0.0025	0.0000	
%RSD		0.0000	0.0000	1.5	1.6	0.0000	0.0000	0.0000	0.0000	0.0000	

Cal. Stn 6/18/2014 6:43:52 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:43:52	25.1144	24.9976	24.7624	25.0713	98.1%	98.3%	98.2%	24.8788	24.7943	25.1567
2	06:44:18	25.0679	24.9099	24.9266	24.8766	100.0%	100.7%	100.6%	25.0289	25.1987	24.9740
3	06:44:45	24.8177	25.0925	25.3110	25.0521	101.2%	102.2%	102.1%	25.0923	25.0070	24.8693
x		25.0000	25.0000	25.0000	25.0000	99.8%	100.4%	100.3%	25.0000	25.0000	25.0000
σ		0.1596	0.0913	0.2816	0.1073	1.6%	2.0%	2.0%	0.1096	0.2023	0.1455
%RSD		0.6382	0.3653	1.1263	0.4292	1.6	1.9	2.0	0.4386	0.8091	0.5819
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	06:43:52	25.2457	25.0200	98.4%	98.4%	24.9698	24.9940	24.9006	24.5578	24.9398	
2	06:44:18	25.0842	24.9808	101.0%	100.1%	25.1886	25.0309	25.1222	25.1106	25.1751	
3	06:44:45	24.6701	24.9992	103.5%	101.7%	24.8416	24.9752	24.9772	25.3317	24.8851	
x		25.0000	25.0000	101.0%	100.1%	25.0000	25.0000	25.0000	25.0000	25.0000	
σ		0.2969	0.0196	2.5%	1.6%	0.1755	0.0283	0.1125	0.3986	0.1540	
%RSD		1.1876	0.0785	2.5	1.6	0.7019	0.1133	0.4501	1.5945	0.6162	

ICV1 6/18/2014 6:46:38 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:46:38	10.2721	26.5898	30.0603	29.0085	101.0%	100.9%	101.2%	27.2132	27.1526	102.5792
2	06:47:05	10.1811	26.3704	30.3212	29.4878	102.5%	102.3%	103.2%	26.8115	26.8342	101.6741
3	06:47:31	10.1371	26.3204	29.9070	29.0587	103.5%	103.9%	104.4%	26.9077	26.8270	101.7544
x		10.1968	26.4269	30.0962	29.1850	102.3%	102.3%	102.9%	26.9774	26.9379	102.0025
σ		0.0688	0.1433	0.2094	0.2634	1.3%	1.5%	1.6%	0.2097	0.1860	0.5010
%RSD		0.6748	0.5423	0.6959	0.9026	1.2	1.5	1.6	0.7774	0.6903	0.4911
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	06:46:38	102.4111	106.5915	102.4%	111.9%	23.3506	24.3909	23.8761	23.5888	23.9981	
2	06:47:05	102.4184	106.4200	104.8%	112.3%	23.5136	24.6334	24.0447	24.0881	24.2722	
3	06:47:31	102.1268	105.4885	105.8%	113.5%	23.5419	24.5945	23.9794	24.0400	24.1170	
x		102.3188	106.1667	104.3%	112.6%	23.4687	24.5396	23.9667	23.9056	24.1291	
σ		0.1662	0.5936	1.8%	0.8%	0.1032	0.1303	0.0851	0.2755	0.1374	
%RSD		0.1625	0.5591	1.7	0.7	0.4399	0.5308	0.3549	1.1523	0.5696	

CCV1 6/18/2014 6:49:24 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:49:24	24.8210	25.1679	24.9864	25.2518	100.9%	101.3%	101.3%	25.0393	24.8255	25.0309
2	06:49:50	23.5396	23.9596	23.7808	24.2280	105.1%	104.9%	106.5%	24.1221	23.7558	23.7129
3	06:50:17	24.4312	24.5892	24.7212	24.8521	103.8%	104.4%	104.0%	25.1696	25.1823	24.7409
x		24.2640	24.5722	24.4961	24.7773	103.3%	103.5%	103.9%	24.7770	24.5879	24.4949
σ		0.6569	0.6043	0.6335	0.5160	2.1%	2.0%	2.6%	0.5709	0.7424	0.6926
%RSD		2.7073	2.4594	2.5862	2.0826	2.1	1.9	2.5	2.3042	3.0192	2.8275
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	06:49:24	25.3094	25.1987	100.8%	100.1%	25.1837	25.2202	25.0801	24.7034	25.1254	
2	06:49:50	23.7300	23.9726	105.2%	104.3%	24.1476	24.2069	24.0953	23.7390	23.6667	
3	06:50:17	24.8396	24.9405	103.2%	102.8%	24.8170	24.9280	24.7711	25.5084	24.6410	
x		24.6263	24.7039	103.1%	102.4%	24.7161	24.7851	24.6489	24.6502	24.4777	
σ		0.8110	0.6464	2.2%	2.1%	0.5254	0.5216	0.5037	0.8859	0.7429	
%RSD		3.2932	2.6164	2.2	2.1	2.1257	2.1043	2.0433	3.5939	3.0351	

ICB1 6/18/2014 6:55:59 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:55:59	0.0143	0.0127	-0.0268	0.0002	97.0%	97.7%	97.5%	0.0176	0.0299	-0.0017
2	06:56:26	-0.0107	0.0006	-0.0405	0.0032	99.2%	100.1%	100.3%	0.0236	0.0269	0.0002
3	06:56:52	-0.0125	-0.0045	0.0060	0.0079	100.5%	102.0%	101.7%	0.0277	0.0210	-0.0028
x		-0.0030	0.0029	-0.0204	0.0037	98.9%	99.9%	99.8%	0.0229	0.0259	-0.0015
σ		0.0150	0.0088	0.0239	0.0039	1.8%	2.1%	2.1%	0.0051	0.0045	0.0015
%RSD		504.7232	301.3347	116.9415	103.3442	1.8	2.2	2.1	22.0284	17.4786	104.9542
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	06:55:59	0.0004	0.0002	98.3%	99.9%	-0.0002	0.0009	-0.0005	-0.0018	0.0013	
2	06:56:26	-0.0006	-0.0005	101.0%	101.6%	-0.0003	0.0004	-0.0004	0.0004	0.0015	
3	06:56:52	0.0021	0.0007	102.7%	104.0%	-0.0004	0.0004	0.0000	0.0028	0.0014	
x		0.0006	0.0001	100.6%	101.8%	-0.0003	0.0006	-0.0003	0.0005	0.0014	
σ		0.0014	0.0006	2.2%	2.1%	0.0001	0.0003	0.0003	0.0023	0.0001	
%RSD		210.8397	446.4975	2.2	2.0	27.1760	44.9864	99.9095	504.1325	4.3792	

CCB1 6/18/2014 7:00:06 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:00:06	0.0118	0.0107	-0.0435	-0.0023	97.7%	97.7%	97.3%	0.0107	0.0115	-0.0047
2	07:00:32	-0.0040	0.0027	-0.0649	0.0054	100.4%	100.3%	100.3%	0.0129	0.0143	0.0031
3	07:00:59	-0.0018	-0.0116	-0.0144	0.0026	101.4%	102.0%	102.3%	0.0146	0.0143	0.0050
x		0.0020	0.0006	-0.0409	0.0019	99.8%	100.0%	100.0%	0.0127	0.0134	0.0011
σ		0.0086	0.0113	0.0253	0.0039	1.9%	2.2%	2.5%	0.0019	0.0016	0.0051
%RSD		428.4795	1835.9421	61.8275	200.9531	1.9	2.2	2.5	15.0045	12.1298	459.6114
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:00:06	0.0021	0.0024	98.4%	99.6%	-0.0010	0.0003	-0.0002	-0.0041	0.0012	
2	07:00:32	-0.0006	0.0016	101.3%	101.9%	0.0000	0.0021	0.0004	-0.0003	0.0015	
3	07:00:59	0.0013	0.0022	102.2%	103.5%	0.0027	0.0028	0.0027	0.0009	0.0023	
x		0.0009	0.0021	100.6%	101.7%	0.0006	0.0017	0.0010	-0.0011	0.0017	
σ		0.0014	0.0004	2.0%	1.9%	0.0019	0.0013	0.0015	0.0026	0.0006	
%RSD		151.6107	21.7411	2.0	1.9	339.9030	73.1084	157.4069	227.8705	34.5690	

LLICVW 6/18/2014 7:02:57 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:02:57	0.1968	0.5637	0.4567	0.5237	98.9%	99.2%	99.4%	0.0608	0.0625	0.0430
2	07:03:23	0.1939	0.4991	0.5533	0.5120	100.6%	101.6%	100.8%	0.0614	0.0635	0.0456
3	07:03:50	0.2038	0.5221	0.4524	0.5110	101.8%	102.6%	102.7%	0.0602	0.0594	0.0525
X		0.1982	0.5283	0.4875	0.5156	100.4%	101.1%	101.0%	0.0608	0.0618	0.0470
σ		0.0051	0.0327	0.0571	0.0071	1.5%	1.8%	1.7%	0.0006	0.0021	0.0049
%RSD		2.5659	6.1920	11.7040	1.3772	1.5	1.8	1.7	0.9563	3.4773	10.4267
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:02:57	0.0603	0.0541	98.6%	100.5%	0.0202	0.0204	0.0198	-0.0043	0.0197	
2	07:03:23	0.0509	0.0492	101.4%	102.7%	0.0186	0.0196	0.0196	-0.0021	0.0196	
3	07:03:50	0.0503	0.0490	102.6%	104.2%	0.0245	0.0229	0.0230	-0.0011	0.0209	
X		0.0538	0.0508	100.9%	102.5%	0.0211	0.0210	0.0208	-0.0025	0.0201	
σ		0.0056	0.0029	2.1%	1.9%	0.0030	0.0017	0.0019	0.0016	0.0007	
%RSD		10.4181	5.7319	2.0	1.8	14.3341	8.1722	8.9978	65.8730	3.4405	

LLICV (Th @ 0.1 ppb) 6/18/2014 7:06:03 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:06:03	0.1741	0.1780	0.1967	0.1764	93.5%	94.5%	94.2%	0.1235	0.1252	0.1159
2	07:06:29	0.1093	0.1415	0.1265	0.1504	103.0%	103.0%	102.6%	0.1228	0.0988	0.1073
3	07:06:55	0.1365	0.1568	0.0719	0.1544	103.4%	104.1%	104.9%	0.1069	0.1158	0.1074
X		0.1400	0.1588	0.1317	0.1604	100.0%	100.5%	100.5%	0.1178	0.1133	0.1102
σ		0.0325	0.0183	0.0625	0.0140	5.6%	5.3%	5.6%	0.0094	0.0133	0.0049
%RSD		23.2514	11.5302	47.4975	8.7203	5.6	5.3	5.6	7.9705	11.7756	4.4776
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:06:03	0.1362	0.1271	93.3%	94.5%	0.1135	0.1182	0.1144	0.0486	0.1120	
2	07:06:29	0.1148	0.1099	102.5%	101.8%	0.1020	0.1034	0.0998	0.0536	0.0991	
3	07:06:55	0.1068	0.1086	103.3%	103.3%	0.0968	0.1063	0.0992	0.0629	0.0978	
X		0.1193	0.1152	99.7%	99.9%	0.1041	0.1093	0.1045	0.0551	0.1030	
σ		0.0152	0.0103	5.6%	4.7%	0.0085	0.0078	0.0086	0.0073	0.0079	
%RSD		12.7572	8.9613	5.6	4.8	8.1905	7.1627	8.2445	13.1910	7.6345	

ICSA 6/18/2014 7:08:43 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:08:43	0.4951	2.0253	2.3745	1.9103	88.9%	87.1%	90.9%	0.2776	0.2672	3.4946
2	07:09:09	0.5093	1.9729	2.4489	1.8670	90.2%	88.4%	92.3%	0.2798	0.2761	3.5562
3	07:09:36	0.5107	1.9545	2.4035	1.8643	90.4%	88.9%	93.0%	0.2890	0.2756	3.4920
X		0.5050	1.9842	2.4090	1.8806	89.8%	88.1%	92.0%	0.2821	0.2730	3.5143
σ		0.0086	0.0367	0.0375	0.0258	0.8%	0.9%	1.1%	0.0060	0.0050	0.0364
%RSD		1.7109	1.8510	1.5576	1.3730	0.9	1.1	1.2	2.1397	1.8279	1.0345
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:08:43	3.5266	3.4924	92.2%	107.7%	0.0780	0.0860	0.0773	0.0275	0.0033	
2	07:09:09	3.4963	3.5283	94.0%	104.7%	0.0849	0.0800	0.0802	0.0299	0.0031	
3	07:09:36	3.5851	3.5057	93.9%	102.6%	0.0824	0.0918	0.0829	0.0283	0.0035	
X		3.5360	3.5088	93.3%	105.0%	0.0818	0.0859	0.0801	0.0286	0.0033	
σ		0.0452	0.0182	1.0%	2.5%	0.0035	0.0059	0.0028	0.0012	0.0002	
%RSD		1.2777	0.5177	1.1	2.4	4.2667	6.8978	3.5399	4.2528	5.2231	

3.5266

ICSAB 6/18/2014 7:11:57 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:11:57	53.5285	26.0082	25.8674	25.4867	87.0%	85.8%	89.6%	0.2586	0.2811	3.3137
2	07:12:24	52.5062	25.9675	25.1716	24.7668	88.8%	86.8%	90.8%	0.2665	0.2639	3.3267
3	07:12:50	52.3579	26.0851	25.2100	24.9815	88.9%	87.6%	91.2%	0.2630	0.2603	3.3631
x		52.7975	26.0203	25.4163	25.0783	88.3%	86.7%	90.5%	0.2627	0.2684	3.3345
σ		0.6373	0.0597	0.3911	0.3696	1.1%	0.9%	0.9%	0.0040	0.0111	0.0256
%RSD		1.2071	0.2295	1.5388	1.4737	1.2	1.0	0.9	1.5042	4.1268	0.7685
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:11:57	3.3586	3.3852	90.9%	99.2%	0.0803	0.0768	0.0761	0.0065	0.0029	
2	07:12:24	3.4127	3.3305	92.4%	99.9%	0.0774	0.0750	0.0770	0.0116	0.0031	
3	07:12:50	3.3347	3.3627	93.9%	100.6%	0.0775	0.0831	0.0765	0.0125	0.0035	
x		3.3687	3.3595	92.4%	99.9%	0.0784	0.0783	0.0765	0.0102	0.0032	
σ		0.0400	0.0275	1.5%	0.7%	0.0016	0.0042	0.0004	0.0032	0.0003	
%RSD		1.1862	0.8184	1.6	0.7	2.0435	5.4112	0.5452	31.8193	8.9629	

K1405912-MB 6/18/2014 7:15:05 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:15:05	0.0617	0.0148	-0.0206	0.0131	94.6%	95.5%	95.8%	0.0051	0.0051	-0.0031
2	07:15:31	0.0443	0.0224	0.0103	0.0023	96.7%	97.0%	97.4%	0.0063	0.0052	-0.0025
3	07:15:57	0.0692	0.0395	0.0341	0.0295	97.3%	98.4%	98.9%	0.0036	0.0037	-0.0019
x		0.0584	0.0255	0.0079	0.0150	96.2%	97.0%	97.4%	0.0050	0.0047	-0.0025
σ		0.0128	0.0127	0.0274	0.0137	1.4%	1.4%	1.6%	0.0014	0.0009	0.0006
%RSD		21.9065	49.6285	345.0264	91.4678	1.5	1.5	1.6	27.2117	18.2274	23.7824
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:15:05	0.0019	0.0026	96.1%	95.9%	-0.0007	0.0023	0.0000	-0.0034	0.0003	
2	07:15:31	0.0029	0.0044	98.9%	97.7%	-0.0005	0.0009	0.0002	-0.0005	0.0003	
3	07:15:57	-0.0005	0.0038	100.8%	99.7%	-0.0009	0.0003	-0.0002	-0.0002	0.0003	
x		0.0014	0.0036	98.6%	97.7%	-0.0007	0.0012	0.0000	-0.0013	0.0003	
σ		0.0018	0.0009	2.4%	1.9%	0.0002	0.0010	0.0002	0.0018	0.0000	
%RSD		124.1068	25.5629	2.4	2.0	31.2332	84.3731	801.9786	131.4795	7.4475	

LCSW 6/18/2014 7:17:55 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:17:55	10.0177	26.0325	29.8031	28.8449	97.1%	97.4%	97.6%	51.3893	51.4104	101.2810
2	07:18:21	9.9630	25.6565	29.7463	28.5080	98.8%	99.6%	99.7%	51.1974	50.7968	100.0484
3	07:18:47	9.9684	25.7542	29.1474	28.5188	99.9%	100.6%	101.1%	51.3179	50.6302	99.7935
x		9.9830	25.8144	29.5656	28.6239	98.6%	99.2%	99.5%	51.3015	50.9458	100.3743
σ		0.0302	0.1951	0.3633	0.1915	1.4%	1.7%	1.8%	0.0970	0.4109	0.7955
%RSD		0.3020	0.7558	1.2287	0.6691	1.4	1.7	1.8	0.1891	0.8065	0.7925
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:17:55	101.2121	104.7680	98.0%	98.1%	49.5578	51.6624	50.7291	-0.0018	20.5792	
2	07:18:21	100.3499	103.9337	100.5%	99.9%	49.2612	51.3542	50.3597	0.0008	20.4100	
3	07:18:47	100.0401	103.2978	101.3%	101.5%	49.1186	51.7768	50.6790	0.0017	20.2642	
x		100.5340	103.9998	100.0%	99.8%	49.3125	51.5978	50.5893	0.0002	20.4178	
σ		0.6073	0.7373	1.7%	1.7%	0.2241	0.2185	0.2003	0.0018	0.1576	
%RSD		0.6041	0.7090	1.7	1.7	0.4544	0.4236	0.3960	798.2205	0.7720	

K1405912-002 1/2 6/18/2014 7:20:44 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:20:44	0.4339	4.0854	25.5676	20.1391	83.1%	80.1%	86.1%	0.3141	0.3229	490.7843
2	07:21:10	0.4229	4.1027	24.8545	19.9712	84.2%	81.6%	86.7%	0.3231	0.3590	493.6303
3	07:21:37	0.4166	4.0090	25.2586	20.1160	83.8%	81.7%	87.4%	0.3163	0.3317	492.1459
x		0.4245	4.0657	25.2269	20.0754	83.7%	81.2%	86.7%	0.3179	0.3379	492.1868
σ		0.0087	0.0498	0.3576	0.0910	0.5%	0.9%	0.7%	0.0047	0.0188	1.4235
%RSD		2.0609	1.2259	1.4177	0.4533	0.6	1.1	0.8	1.4729	5.5780	0.2892
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:20:44	499.7875	542.9450	90.3%	96.9%	1.4553	1.4183	1.4286	-0.0029	0.3271	
2	07:21:10	496.8244	535.4567	92.3%	95.7%	1.4914	1.4458	1.4718	-0.0008	0.3414	
3	07:21:37	497.0031	534.5968	91.9%	95.4%	1.5364	1.4774	1.4841	0.0003	0.3450	
x		497.8717	537.6662	91.5%	96.0%	1.4944	1.4471	1.4615	-0.0012	0.3378	
σ		1.6615	4.5918	1.0%	0.8%	0.0406	0.0296	0.0292	0.0016	0.0095	
%RSD		0.3337	0.8540	1.1	0.9	2.7182	2.0430	1.9950	141.0485	2.8026	

K1405912-002D 1/2 6/18/2014 7:23:50 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:23:50	0.4177	4.1568	25.6062	20.2624	82.3%	79.4%	84.7%	0.2632	0.2660	497.2698
2	07:24:16	0.4075	4.1409	25.2460	20.0113	83.7%	80.8%	86.8%	0.2487	0.2409	490.2591
3	07:24:43	0.4246	4.1594	25.0733	19.8337	84.3%	81.9%	86.9%	0.2551	0.2633	493.2229
x		0.4166	4.1524	25.3085	20.0358	83.4%	80.7%	86.1%	0.2557	0.2567	493.5839
σ		0.0086	0.0100	0.2719	0.2154	1.0%	1.3%	1.2%	0.0072	0.0138	3.5193
%RSD		2.0605	0.2416	1.0742	1.0750	1.2	1.6	1.4	2.8286	5.3566	0.7130
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:23:50	502.0768	546.9532	89.8%	91.8%	1.5326	1.4494	1.4899	-0.0035	0.3355	
2	07:24:16	494.2851	532.5865	91.5%	93.3%	1.5402	1.4921	1.4863	-0.0012	0.3378	
3	07:24:43	501.2173	540.6673	91.7%	91.4%	1.5537	1.5059	1.5119	-0.0018	0.3429	
x		499.1931	540.0690	91.0%	92.1%	1.5422	1.4825	1.4960	-0.0021	0.3387	
σ		4.2721	7.2020	1.0%	1.0%	0.0107	0.0295	0.0138	0.0012	0.0038	
%RSD		0.8558	1.3335	1.1	1.1	0.6907	1.9885	0.9257	55.8660	1.1140	

K1405912-002L 1/10 6/18/2014 7:26:56 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:26:56	0.0848	0.8943	5.7973	4.6512	92.0%	91.6%	93.7%	0.0619	0.0545	96.2302
2	07:27:22	0.0855	0.9185	5.3507	4.5082	93.4%	92.6%	95.4%	0.0592	0.0568	94.2383
3	07:27:48	0.0712	0.9169	5.7078	4.4695	93.9%	93.4%	96.4%	0.0582	0.0495	96.5647
x		0.0805	0.9099	5.6186	4.5429	93.1%	92.5%	95.1%	0.0598	0.0536	95.6777
σ		0.0080	0.0135	0.2363	0.0957	1.0%	0.9%	1.4%	0.0019	0.0037	1.2578
%RSD		9.9908	1.4866	4.2055	2.1064	1.1	1.0	1.4	3.1966	6.9485	1.3146
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:26:56	96.1487	98.7963	96.1%	101.5%	0.3135	0.3044	0.3040	-0.0056	0.0630	
2	07:27:22	94.2668	97.6066	98.7%	104.8%	0.3010	0.2905	0.2931	-0.0037	0.0672	
3	07:27:48	95.8980	99.1973	98.7%	106.0%	0.3089	0.3025	0.3003	-0.0032	0.0644	
x		95.4378	98.5334	97.8%	104.1%	0.3078	0.2991	0.2991	-0.0042	0.0649	
σ		1.0219	0.8273	1.5%	2.3%	0.0063	0.0076	0.0056	0.0013	0.0021	
%RSD		1.0707	0.8396	1.6	2.2	2.0541	2.5281	1.8606	30.1441	3.2981	

K1405912-002A 1/2 6/18/2014 7:29:58 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:29:58	19.8035	21.0338	40.7337	36.0543	84.7%	81.9%	86.9%	15.6962	15.4711	485.6472	
2	07:30:24	20.6219	22.1872	42.8769	38.0262	83.5%	81.6%	86.6%	16.3301	16.1505	505.8171	
3	07:30:51	20.3399	22.1619	41.5639	37.8002	84.5%	82.3%	87.8%	16.2130	16.0437	500.8519	
x		20.2551	21.7943	41.7248	37.2936	84.2%	81.9%	87.1%	16.0798	15.8884	497.4387	
		σ	0.4157	0.6588	1.0807	1.0792	0.6%	0.3%	0.6%	0.3373	0.3654	10.5092
		%RSD	2.0524	3.0226	2.5900	2.8938	0.7	0.4	0.7	2.0977	2.2996	2.1127
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U		
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb		
1	07:29:58	490.1039	532.9943	92.6%	92.3%	18.5728	18.5450	18.4808	-0.0050	18.9024		
2	07:30:24	510.4117	550.4338	91.3%	92.3%	19.0876	19.2275	19.0354	-0.0026	19.6848		
3	07:30:51	506.4239	544.2969	92.9%	93.0%	19.2947	19.2061	19.1252	-0.0024	19.6189		
x		502.3132	542.5750	92.3%	92.5%	18.9850	18.9929	18.8805	-0.0033	19.4021		
		σ	10.7598	8.8464	0.9%	0.4%	0.3717	0.3880	0.3490	0.0014	0.4339	
		%RSD	2.1421	1.6304	0.9	0.5	1.9580	2.0430	1.8487	42.6897	2.2366	

K1405912-002S 1/2 6/18/2014 7:33:04 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:33:04	5.6258	15.9003	38.9785	33.0017	84.1%	80.9%	86.0%	26.0493	25.9506	550.5633	
2	07:33:30	5.5887	15.7940	39.0806	33.4089	84.0%	82.3%	87.1%	26.1749	25.9265	550.2987	
3	07:33:56	5.4763	15.4077	38.7666	32.8748	85.8%	83.3%	88.7%	25.7084	25.8272	548.9071	
x		5.5636	15.7007	38.9419	33.0951	84.6%	82.1%	87.3%	25.9775	25.9014	549.9230	
		σ	0.0778	0.2592	0.1602	0.2791	1.0%	1.2%	1.3%	0.2414	0.0654	0.8897
		%RSD	1.3992	1.6509	0.4113	0.8432	1.2	1.5	1.5	0.9292	0.2526	0.1618
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U		
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb		
1	07:33:04	556.4696	603.3585	91.3%	89.8%	24.0490	24.9276	24.3980	-0.0055	10.4290		
2	07:33:30	557.1016	596.3749	92.4%	91.6%	23.8467	24.9231	24.2730	-0.0037	10.3406		
3	07:33:56	557.7038	594.4633	93.8%	92.2%	23.8125	24.7280	24.1646	-0.0029	10.4523		
x		557.0917	598.0656	92.5%	91.2%	23.9027	24.8595	24.2785	-0.0040	10.4073		
		σ	0.6172	4.6824	1.3%	1.2%	0.1278	0.1140	0.1168	0.0013	0.0589	
		%RSD	0.1108	0.7829	1.4	1.4	0.5346	0.4585	0.4810	32.7493	0.5657	

K1405912-001 1/2 6/18/2014 7:36:11 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:36:11	0.2581	4.2717	16.8385	13.9705	86.6%	85.2%	89.5%	0.1963	0.1823	276.7281	
2	07:36:37	0.2317	4.3359	16.8280	13.8618	88.2%	86.9%	91.5%	0.2047	0.2058	273.1939	
3	07:37:03	0.2442	4.2035	16.1238	13.5884	89.2%	87.5%	92.7%	0.2070	0.2127	271.2755	
x		0.2447	4.2704	16.5968	13.8069	88.0%	86.5%	91.2%	0.2027	0.2003	273.7325	
		σ	0.0132	0.0662	0.4097	0.1969	1.3%	1.2%	1.6%	0.0056	0.0159	2.7659
		%RSD	5.3898	1.5509	2.4684	1.4258	1.5	1.4	1.7	2.7690	7.9444	1.0104
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U		
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb		
1	07:36:11	278.0417	303.9527	92.6%	92.6%	0.1303	0.1307	0.1256	-0.0064	0.3515		
2	07:36:37	273.3710	296.5676	95.5%	95.5%	0.1424	0.1438	0.1415	-0.0040	0.3460		
3	07:37:03	273.5821	296.1492	95.9%	96.1%	0.1448	0.1472	0.1449	-0.0026	0.3490		
x		274.9982	298.8898	94.7%	94.8%	0.1392	0.1406	0.1373	-0.0043	0.3488		
		σ	2.6378	4.3896	1.8%	1.9%	0.0078	0.0087	0.0103	0.0019	0.0028	
		%RSD	0.9592	1.4686	1.9	2.0	5.5883	6.2207	7.5047	44.3573	0.7901	

K1405880-001 6/18/2014 7:48:13 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:48:13	1.5285	0.4280	6.7167	5.1029	82.4%	80.2%	84.5%	0.1577	0.1666	143.5941
2	07:48:39	1.5270	0.4071	6.6505	5.1228	83.9%	82.3%	86.8%	0.1659	0.1795	143.0150
3	07:49:05	1.4719	0.4255	6.7516	5.0091	85.1%	83.4%	88.1%	0.1681	0.1750	142.0360
x		1.5091	0.4202	6.7062	5.0783	83.8%	82.0%	86.4%	0.1639	0.1737	142.8817
σ		0.0323	0.0114	0.0514	0.0607	1.4%	1.6%	1.8%	0.0055	0.0065	0.7876
%RSD		2.1381	2.7164	0.7661	1.1949	1.6	2.0	2.1	3.3575	3.7545	0.5512
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:48:13	143.4664	149.1034	89.1%	89.8%	0.0189	0.0217	0.0197	-0.0011	10.3331	
2	07:48:39	142.5849	149.5648	92.4%	92.3%	0.0211	0.0197	0.0209	0.0002	10.3891	
3	07:49:05	141.7851	148.5156	93.8%	93.6%	0.0197	0.0220	0.0210	-0.0003	10.2729	
x		142.6121	149.0613	91.8%	91.9%	0.0199	0.0212	0.0206	-0.0004	10.3317	
σ		0.8410	0.5259	2.4%	1.9%	0.0011	0.0012	0.0007	0.0007	0.0581	
%RSD		0.5897	0.3528	2.6	2.1	5.4869	5.7905	3.4393	174.9168	0.5628	

K1405880-001L 6/18/2014 7:51:18 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:51:18	0.2911	0.0912	1.5519	1.1295	90.7%	90.5%	92.7%	0.0379	0.0397	28.3547
2	07:51:44	0.3091	0.1027	1.6194	1.1718	93.5%	92.4%	94.5%	0.0357	0.0407	28.2262
3	07:52:11	0.2762	0.1322	1.4865	1.0768	93.9%	92.4%	95.4%	0.0317	0.0400	28.0481
x		0.2922	0.1087	1.5526	1.1261	92.7%	91.8%	94.2%	0.0351	0.0401	28.2097
σ		0.0165	0.0211	0.0664	0.0476	1.8%	1.1%	1.3%	0.0032	0.0005	0.1540
%RSD		5.6411	19.4301	4.2772	4.2252	1.9	1.2	1.4	9.0455	1.2141	0.5459
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:51:18	28.2045	28.5046	94.9%	99.4%	0.0033	0.0049	0.0038	-0.0079	1.9620	
2	07:51:44	28.5434	28.1849	96.9%	100.2%	0.0038	0.0051	0.0042	-0.0066	1.9683	
3	07:52:11	27.8869	28.3993	98.5%	102.9%	0.0021	0.0027	0.0032	-0.0061	1.9569	
x		28.2116	28.3629	96.8%	100.8%	0.0031	0.0042	0.0037	-0.0069	1.9624	
σ		0.3283	0.1629	1.8%	1.9%	0.0009	0.0013	0.0005	0.0009	0.0057	
%RSD		1.1638	0.5744	1.9	1.9	27.9150	31.7652	13.0382	13.5695	0.2917	

CCV2 6/18/2014 7:54:29 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:54:29	24.8040	25.1948	24.9239	25.0679	95.2%	94.3%	95.4%	24.9078	24.7842	24.9416
2	07:54:55	24.6615	25.1851	25.3991	25.1951	95.9%	96.3%	97.6%	25.0983	25.0299	24.8346
3	07:55:21	24.6856	24.9703	24.7141	25.2052	97.0%	96.8%	98.2%	25.0510	25.0733	24.8266
x		24.7170	25.1167	25.0124	25.1561	96.0%	95.8%	97.1%	25.0190	24.9625	24.8676
σ		0.0762	0.1269	0.3510	0.0765	0.9%	1.3%	1.5%	0.0992	0.1559	0.0642
%RSD		0.3084	0.5054	1.4031	0.3042	1.0	1.4	1.5	0.3964	0.6247	0.2583
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:54:29	25.0476	25.1434	95.6%	92.5%	25.8370	25.6560	25.6463	25.4722	25.6973	
2	07:54:55	24.6806	24.8648	98.7%	94.9%	25.5663	25.7224	25.6217	25.5145	25.4660	
3	07:55:21	24.8322	24.8126	99.0%	96.7%	25.1343	25.2275	25.2455	25.3727	25.1995	
x		24.8535	24.9403	97.7%	94.7%	25.5125	25.5353	25.5045	25.4531	25.4543	
σ		0.1844	0.1779	1.9%	2.1%	0.3544	0.2686	0.2247	0.0728	0.2491	
%RSD		0.7419	0.7131	1.9	2.2	1.3892	1.0519	0.8809	0.2860	0.9788	

CCB2 6/18/2014 8:00:50 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:00:50	0.0077	0.0232	-0.0207	0.0074	90.0%	89.6%	90.8%	0.0209	0.0194	-0.0003
2	08:01:16	-0.0051	0.0199	0.0668	0.0185	92.6%	91.8%	93.0%	0.0283	0.0266	0.0180
3	08:01:43	0.0169	0.0215	0.0683	0.0184	94.1%	93.4%	94.6%	0.0303	0.0323	0.0176
X		0.0065	0.0216	0.0382	0.0147	92.2%	91.6%	92.8%	0.0265	0.0261	0.0118
σ		0.0111	0.0016	0.0510	0.0063	2.1%	1.9%	1.9%	0.0049	0.0065	0.0105
%RSD		170.0574	7.6278	133.5534	43.0140	2.2	2.1	2.1	18.6655	24.7325	88.7885
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:00:50	-0.0007	0.0031	92.1%	90.6%	0.0021	0.0020	0.0016	-0.0019	0.0029	
2	08:01:16	0.0196	0.0182	95.7%	94.6%	0.0118	0.0144	0.0135	0.0012	0.0112	
3	08:01:43	0.0201	0.0225	96.3%	94.7%	0.0175	0.0180	0.0176	0.0041	0.0151	
X		0.0130	0.0146	94.7%	93.3%	0.0105	0.0115	0.0109	0.0011	0.0097	
σ		0.0119	0.0102	2.3%	2.4%	0.0078	0.0084	0.0083	0.0030	0.0062	
%RSD		91.4062	69.8855	2.4	2.5	74.0981	73.3049	76.3470	270.4945	64.0380	

LLCCVW1 6/18/2014 8:03:51 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:03:51	0.1527	0.5283	0.5669	0.4402	96.2%	95.1%	97.5%	0.0609	0.0549	0.0503
2	08:04:17	0.1451	0.5186	0.4131	0.5030	98.8%	98.5%	100.2%	0.0534	0.0613	0.0451
3	08:04:44	0.1849	0.5656	0.4975	0.5288	95.5%	95.4%	96.3%	0.0620	0.0696	0.0585
X		0.1609	0.5375	0.4925	0.4907	96.8%	96.3%	98.0%	0.0588	0.0619	0.0513
σ		0.0212	0.0248	0.0771	0.0456	1.7%	1.9%	2.0%	0.0047	0.0074	0.0068
%RSD		13.1509	4.6153	15.6466	9.2867	1.8	1.9	2.0	7.9813	11.8684	13.1649
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:03:51	0.0544	0.0537	98.9%	96.5%	0.0218	0.0226	0.0222	-0.0041	0.0210	
2	08:04:17	0.0466	0.0507	101.6%	102.7%	0.0208	0.0216	0.0227	-0.0031	0.0208	
3	08:04:44	0.0521	0.0568	98.3%	100.0%	0.0247	0.0267	0.0250	-0.0022	0.0235	
X		0.0510	0.0537	99.6%	99.7%	0.0224	0.0236	0.0233	-0.0031	0.0218	
σ		0.0040	0.0030	1.8%	3.1%	0.0020	0.0027	0.0014	0.0010	0.0015	
%RSD		7.8566	5.6646	1.8	3.1	9.0785	11.3192	6.2039	30.4301	7.0063	

K1405880-01A 6/18/2014 8:08:12 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:08:12	21.8958	19.2788	25.3111	24.0822	83.8%	81.6%	87.1%	20.3666	20.1413	158.8573
2	08:08:38	22.1527	19.6732	25.5203	23.8798	84.4%	82.9%	88.3%	20.4698	20.5016	159.2920
3	08:09:05	21.3161	19.0847	25.7912	23.6338	86.5%	84.7%	90.0%	20.3395	19.8107	157.9938
X		21.7882	19.3456	25.5408	23.8652	84.9%	83.1%	88.5%	20.3919	20.1512	158.7144
σ		0.4285	0.2999	0.2407	0.2245	1.4%	1.6%	1.5%	0.0687	0.3456	0.6608
%RSD		1.9668	1.5501	0.9424	0.9409	1.6	1.9	1.7	0.3371	1.7148	0.4164
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:08:12	160.3352	168.0175	92.0%	98.6%	17.5195	17.3367	17.3850	-0.0028	28.4954	
2	08:08:38	159.7828	168.4718	94.5%	97.4%	18.0378	18.0025	17.9247	-0.0007	29.5061	
3	08:09:05	158.1866	166.6937	95.3%	99.4%	17.5319	17.4553	17.5513	0.0007	28.7954	
X		159.4349	167.7276	94.0%	98.5%	17.6964	17.5982	17.6204	-0.0010	28.9323	
σ		1.1158	0.9238	1.7%	1.0%	0.2957	0.3552	0.2764	0.0018	0.5191	
%RSD		0.6998	0.5508	1.8	1.0	1.6712	2.0182	1.5684	182.3371	1.7942	

K1405580-002 6/18/2014 8:12:35 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:12:35	0.4063	0.5892	9.9424	7.3574	85.3%	83.3%	88.4%	0.1374	0.1408	211.6325
2	08:13:02	0.4120	0.6665	9.8570	7.2452	87.3%	85.1%	90.6%	0.1440	0.1467	210.1874
3	08:13:28	0.4062	0.5943	9.2903	7.1200	88.2%	85.9%	91.0%	0.1423	0.1431	210.4112
X		0.4082	0.6167	9.6966	7.2409	86.9%	84.7%	90.0%	0.1412	0.1435	210.7437
σ		0.0033	0.0432	0.3544	0.1188	1.5%	1.3%	1.4%	0.0034	0.0030	0.7778
%RSD		0.8142	7.0079	3.6549	1.6403	1.7	1.6	1.5	2.3998	2.0908	0.3691
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:12:35	210.8181	231.1178	91.6%	94.8%	0.0502	0.0508	0.0488	-0.0054	29.1636	
2	08:13:02	210.3650	228.4306	94.1%	95.2%	0.0518	0.0489	0.0508	-0.0034	29.5547	
3	08:13:28	209.6993	229.2898	95.8%	95.1%	0.0501	0.0492	0.0505	-0.0034	29.7558	
X		210.2942	229.6127	93.8%	95.0%	0.0507	0.0496	0.0501	-0.0041	29.4914	
σ		0.5628	1.3724	2.1%	0.2%	0.0009	0.0010	0.0011	0.0012	0.3012	
%RSD		0.2676	0.5977	2.2	0.2	1.8601	2.0743	2.1414	28.7001	1.0212	

K1405880-003 6/18/2014 8:16:01 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:16:01	0.5809	1.7836	45.0260	33.9532	88.2%	84.8%	89.2%	0.1520	0.1431	986.3715
2	08:16:28	0.5888	1.8019	44.1118	33.1880	90.4%	87.3%	92.0%	0.1485	0.1508	980.5379
3	08:16:54	0.6058	1.6876	44.2840	33.9948	90.8%	87.3%	93.3%	0.1552	0.1503	975.3813
X		0.5918	1.7577	44.4739	33.7120	89.8%	86.5%	91.5%	0.1519	0.1481	980.7636
σ		0.0127	0.0614	0.4858	0.4543	1.4%	1.5%	2.1%	0.0034	0.0043	5.4985
%RSD		2.1456	3.4917	1.0923	1.3475	1.6	1.7	2.3	2.2209	2.9177	0.5606
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:16:01	1016.4221	1075.5433	91.8%	92.2%	0.2060	0.1882	0.1962	0.0069	0.1114	
2	08:16:28	1006.3794	1053.8883	94.2%	93.9%	0.1986	0.1843	0.1933	0.0096	0.1181	
3	08:16:54	1005.2500	1046.1576	94.9%	94.5%	0.2048	0.1950	0.1992	0.0111	0.1246	
X		1009.3505	1058.5297	93.6%	93.5%	0.2031	0.1891	0.1962	0.0092	0.1180	
σ		6.1501	15.2328	1.7%	1.2%	0.0040	0.0054	0.0030	0.0021	0.0066	
%RSD		0.6093	1.4390	1.8	1.3	1.9705	2.8642	1.5125	22.6973	5.5702	

K1405721-MB 6/18/2014 8:26:05 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:26:05	0.0080	-0.0110	-0.0295	-0.0107	95.3%	94.7%	95.0%	0.0054	0.0047	0.0193
2	08:26:32	0.0078	-0.0018	0.0205	-0.0234	98.4%	97.7%	98.3%	0.0040	0.0090	0.0399
3	08:26:58	0.0022	-0.0075	-0.0287	-0.0147	99.5%	99.5%	100.0%	0.0066	0.0048	0.0245
X		0.0060	-0.0068	-0.0126	-0.0163	97.7%	97.3%	97.8%	0.0053	0.0062	0.0279
σ		0.0033	0.0046	0.0287	0.0065	2.2%	2.4%	2.5%	0.0013	0.0024	0.0107
%RSD		55.0559	68.4021	228.1093	39.8164	2.2	2.5	2.6	24.5887	39.4310	38.4421
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:26:05	0.0150	0.0153	94.0%	99.5%	0.0252	0.0248	0.0302	-0.0087	0.0003	
2	08:26:32	0.0369	0.0336	97.1%	102.9%	0.0454	0.0413	0.0476	-0.0088	0.0007	
3	08:26:58	0.0345	0.0355	98.5%	102.9%	0.0220	0.0259	0.0263	-0.0082	0.0005	
X		0.0288	0.0281	96.5%	101.7%	0.0309	0.0307	0.0347	-0.0086	0.0005	
σ		0.0120	0.0112	2.3%	2.0%	0.0127	0.0092	0.0114	0.0003	0.0002	
%RSD		41.6248	39.7389	2.4	1.9	41.1379	30.1442	32.7227	3.7810	39.8420	

K1405721-001 6/18/2014 8:28:49 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:28:49	0.1371	0.2444	0.2014	0.0807	90.7%	87.2%	92.4%	0.0403	0.0435	0.5835
2	08:29:16	0.1540	0.2371	0.1377	0.1084	93.3%	89.9%	95.0%	0.0424	0.0418	0.5723
3	08:29:42	0.1426	0.2126	0.1713	0.1261	94.9%	91.7%	97.2%	0.0451	0.0431	0.5716
X		0.1446	0.2314	0.1701	0.1051	93.0%	89.6%	94.8%	0.0426	0.0428	0.5758
σ		0.0087	0.0167	0.0318	0.0229	2.1%	2.2%	2.4%	0.0024	0.0009	0.0067
%RSD		5.9836	7.2013	18.7208	21.7518	2.3	2.5	2.6	5.6209	2.1394	1.1568
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:28:49	0.6116	0.5741	93.5%	101.4%	0.0012	0.0029	0.0019	-0.0087	0.0015	
2	08:29:16	0.5849	0.5828	95.9%	101.4%	0.0028	0.0054	0.0030	-0.0066	0.0017	
3	08:29:42	0.5671	0.5894	98.0%	100.7%	0.0034	0.0047	0.0038	-0.0061	0.0019	
X		0.5879	0.5821	95.8%	101.2%	0.0025	0.0043	0.0029	-0.0071	0.0017	
σ		0.0224	0.0077	2.3%	0.4%	0.0012	0.0013	0.0009	0.0014	0.0002	
%RSD		3.8116	1.3265	2.4	0.4	46.2657	29.7213	32.6751	19.2552	10.5663	

K1405721-001D 6/18/2014 8:31:51 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:31:51	0.1768	0.2159	0.2625	0.0957	91.8%	88.2%	93.9%	0.0429	0.0451	0.6160
2	08:32:17	0.1867	0.2488	0.2544	0.1416	93.9%	90.4%	96.2%	0.0418	0.0422	0.5872
3	08:32:44	0.1407	0.2541	0.2185	0.1215	94.5%	91.6%	97.4%	0.0387	0.0455	0.6158
X		0.1681	0.2396	0.2452	0.1196	93.4%	90.0%	95.8%	0.0412	0.0443	0.6063
σ		0.0242	0.0207	0.0234	0.0230	1.4%	1.7%	1.8%	0.0022	0.0018	0.0166
%RSD		14.4235	8.6307	9.5579	19.2232	1.5	1.9	1.9	5.3250	4.0577	2.7347
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:31:51	0.6128	0.5969	94.2%	94.8%	0.0032	0.0030	0.0027	-0.0073	0.0013	
2	08:32:17	0.5696	0.5880	96.5%	95.9%	0.0012	0.0020	0.0025	-0.0061	0.0016	
3	08:32:44	0.5983	0.5869	97.4%	97.4%	0.0014	0.0032	0.0026	-0.0064	0.0016	
X		0.5936	0.5906	96.0%	96.0%	0.0019	0.0027	0.0026	-0.0066	0.0015	
σ		0.0220	0.0055	1.7%	1.3%	0.0011	0.0006	0.0001	0.0007	0.0001	
%RSD		3.7002	0.9233	1.7	1.4	57.1304	23.4825	3.9471	9.9371	8.9825	

K1405721-001L 1/5 6/18/2014 8:34:52 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:34:52	0.1019	0.1259	0.0929	0.0631	104.5%	104.4%	106.2%	0.0085	0.0077	0.1176
2	08:35:19	0.0890	0.1101	0.1218	0.0487	106.9%	106.0%	107.8%	0.0120	0.0104	0.1249
3	08:35:45	0.0863	0.1628	0.1052	0.0580	107.8%	106.7%	108.7%	0.0102	0.0105	0.1055
X		0.0924	0.1329	0.1066	0.0566	106.4%	105.7%	107.6%	0.0103	0.0096	0.1160
σ		0.0083	0.0270	0.0145	0.0073	1.7%	1.1%	1.2%	0.0018	0.0016	0.0098
%RSD		9.0012	20.3288	13.6083	12.9096	1.6	1.1	1.2	17.2967	16.4374	8.4622
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:34:52	0.1361	0.1165	102.9%	110.8%	0.0011	0.0020	0.0017	-0.0092	0.0001	
2	08:35:19	0.1144	0.1152	105.4%	113.6%	-0.0004	0.0033	0.0009	-0.0074	0.0003	
3	08:35:45	0.1197	0.1117	106.4%	116.1%	-0.0003	0.0017	0.0011	-0.0082	0.0005	
X		0.1234	0.1145	104.9%	113.5%	0.0001	0.0024	0.0012	-0.0083	0.0003	
σ		0.0113	0.0025	1.8%	2.7%	0.0008	0.0009	0.0004	0.0009	0.0002	
%RSD		9.1838	2.1571	1.7	2.3	678.7412	36.5567	31.5315	10.8313	60.3460	

K1405721-001A 6/18/2014 8:37:41 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:37:41	20.8378	17.6786	17.4799	17.9117	91.9%	89.1%	94.4%	19.5296	19.3754	21.2087
2	08:38:07	20.7642	17.8066	17.9587	17.6911	93.6%	90.8%	95.8%	19.5036	19.1891	21.1872
3	08:38:34	20.3967	17.8503	17.7972	17.6077	94.0%	91.1%	96.8%	19.7412	19.5128	21.1572
x		20.6663	17.7785	17.7453	17.7368	93.2%	90.3%	95.7%	19.5915	19.3591	21.1844
σ		0.2363	0.0892	0.2435	0.1571	1.1%	1.1%	1.2%	0.1303	0.1624	0.0258
%RSD		1.1434	0.5017	1.3725	0.8857	1.2	1.2	1.2	0.6650	0.8391	0.1220
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:37:41	21.1902	21.1264	95.0%	93.9%	17.5831	17.7669	17.6805	-0.0086	19.1208	
2	08:38:07	21.2341	21.1161	96.8%	95.9%	17.6152	17.5374	17.4924	-0.0062	18.9043	
3	08:38:34	21.2595	21.1909	98.6%	95.7%	17.7241	17.7343	17.6869	-0.0065	19.0639	
x		21.2279	21.1445	96.8%	95.2%	17.6408	17.6795	17.6199	-0.0071	19.0297	
σ		0.0350	0.0406	1.8%	1.1%	0.0739	0.1242	0.1105	0.0013	0.1122	
%RSD		0.1650	0.1918	1.9	1.2	0.4188	0.7022	0.6272	18.2441	0.5898	

K1405721-001S 6/18/2014 8:40:41 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:40:41	10.5905	22.9722	27.4625	25.0519	90.9%	88.3%	93.5%	51.3015	50.3658	104.7169
2	08:41:07	10.3663	22.5475	26.2043	24.7787	93.6%	90.4%	96.4%	50.7655	50.2267	104.8962
3	08:41:33	10.3170	22.6411	25.4774	24.7770	93.6%	91.7%	97.5%	49.3359	49.0403	103.0462
x		10.4246	22.7203	26.3814	24.8692	92.7%	90.1%	95.8%	50.4677	49.8776	104.2197
σ		0.1458	0.2232	1.0044	0.1582	1.6%	1.7%	2.1%	1.0161	0.7285	1.0203
%RSD		1.3983	0.9823	3.8071	0.6363	1.7	1.9	2.2	2.0134	1.4605	0.9790
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:40:41	104.6769	108.0448	94.5%	93.9%	43.1002	44.8742	44.0096	-0.0088	19.3760	
2	08:41:07	103.6017	107.1247	96.2%	94.7%	43.6665	45.5103	44.5521	-0.0073	19.5244	
3	08:41:33	102.2474	106.4873	98.1%	96.7%	43.2473	44.7775	43.9584	-0.0073	19.2844	
x		103.5087	107.2189	96.3%	95.1%	43.3380	45.0540	44.1734	-0.0078	19.3949	
σ		1.2174	0.7830	1.8%	1.4%	0.2939	0.3981	0.3290	0.0009	0.1211	
%RSD		1.1761	0.7303	1.9	1.5	0.6781	0.8837	0.7448	11.2216	0.6245	

LCSW 6/18/2014 8:43:19 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:43:19	9.9026	25.7682	29.2485	28.7387	106.0%	106.7%	106.2%	51.5543	50.9410	101.5459
2	08:43:46	9.8040	25.3034	29.4445	28.3277	106.7%	108.1%	108.3%	50.4796	50.6491	99.3125
3	08:44:12	9.7247	25.5229	29.2229	28.4844	106.0%	106.9%	107.1%	51.1453	51.0608	100.7226
x		9.8104	25.5315	29.3053	28.5169	106.2%	107.2%	107.2%	51.0597	50.8836	100.5270
σ		0.0891	0.2325	0.1212	0.2074	0.5%	0.7%	1.1%	0.5424	0.2118	1.1295
%RSD		0.9085	0.9106	0.4137	0.7273	0.4	0.7	1.0	1.0623	0.4162	1.1236
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:43:19	102.5304	105.9399	103.1%	100.5%	49.5540	51.8426	50.5758	-0.0085	20.0744	
2	08:43:46	99.4641	103.0164	104.3%	103.1%	48.0494	50.4236	49.3389	-0.0078	19.6388	
3	08:44:12	100.8233	104.6023	105.1%	104.4%	47.9053	49.9980	48.9630	-0.0070	19.5642	
x		100.9393	104.5195	104.2%	102.7%	48.5029	50.7547	49.6259	-0.0078	19.7591	
σ		1.5364	1.4635	1.0%	2.0%	0.9131	0.9659	0.8438	0.0008	0.2755	
%RSD		1.5221	1.4003	0.9	2.0	1.8825	1.9030	1.7004	10.1186	1.3945	

Oz 6/18/14

CCV3 6/18/2014 8:46:23 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:46:23	21.7532	22.0556	22.5073	21.9543	108.2%	108.3%	108.7%	22.2496	22.2307	22.4424
2	08:46:49	22.1568	22.8244	22.3454	22.6466	107.4%	108.1%	108.2%	22.4086	22.4439	22.9703
3	08:47:16	24.2837	24.9637	24.9489	24.8223	102.5%	103.8%	103.7%	24.7660	24.7657	25.0042
X		22.7312	23.2813	23.2672	23.1411	106.1%	106.7%	106.9%	23.1414	23.1468	23.4723
σ		1.3596	1.5069	1.4587	1.4966	3.1%	2.5%	2.7%	1.4092	1.4061	1.3527
%RSD		5.9810	6.4727	6.2691	6.4672	2.9	2.4	2.6	6.0896	6.0748	5.7629
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:46:23	22.4056	22.3235	105.2%	102.3%	22.2824	22.3907	22.2861	21.5200	21.5666	
2	08:46:49	22.8076	22.8973	105.5%	105.3%	22.3224	22.4568	22.3496	21.8092	21.5511	
3	08:47:16	24.9422	25.0314	101.4%	102.2%	23.8170	23.8465	23.8099	23.4449	23.4265	
X		23.3851	23.4174	104.0%	103.2%	22.8072	22.8980	22.8152	22.2580	22.1814	
σ		1.3634	1.4269	2.3%	1.8%	0.8747	0.8221	0.8620	1.0380	1.0783	
%RSD		5.8301	6.0934	2.2	1.7	3.8350	3.5903	3.7783	4.6635	4.8614	

CCV3 6/18/2014 8:53:35 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:53:35	25.4509	25.3177	24.7144	25.2041	96.6%	97.2%	96.8%	25.4595	25.3865	25.4105
2	08:54:01	24.8520	24.9240	24.7559	25.1009	99.5%	99.5%	100.1%	25.0532	24.9274	25.2077
3	08:54:28	24.6980	25.1077	24.6683	24.7909	100.6%	100.8%	101.4%	24.9799	25.1160	25.1025
X		25.0003	25.1164	24.7129	25.0320	98.9%	99.2%	99.4%	25.1642	25.1433	25.2403
σ		0.3977	0.1970	0.0438	0.2150	2.1%	1.8%	2.4%	0.2583	0.2307	0.1566
%RSD		1.5910	0.7843	0.1772	0.8591	2.1	1.8	2.4	1.0266	0.9177	0.6203
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:53:35	25.5756	25.6041	95.2%	96.6%	24.4998	24.4991	24.4360	23.8175	24.0588	
2	08:54:01	25.2850	25.2573	98.4%	98.9%	24.3358	24.2336	24.3787	24.7725	24.0899	
3	08:54:28	25.1162	25.1826	99.9%	100.9%	24.3707	23.9816	24.1732	24.3772	24.1578	
X		25.3256	25.3480	97.8%	98.8%	24.4021	24.2381	24.3293	24.3224	24.1021	
σ		0.2324	0.2249	2.4%	2.1%	0.0864	0.2588	0.1382	0.4799	0.0506	
%RSD		0.9177	0.8872	2.4	2.2	0.3541	1.0677	0.5681	1.9730	0.2100	

CCB3 6/18/2014 9:00:44 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:00:44	0.0400	0.0259	0.0147	0.0016	96.6%	96.7%	96.9%	0.0228	0.0231	0.0014
2	09:01:10	0.0309	0.0263	0.0026	-0.0090	100.0%	100.3%	100.5%	0.0267	0.0248	0.0032
3	09:01:37	0.0337	0.0328	0.0095	0.0152	100.9%	101.9%	102.1%	0.0253	0.0292	0.0129
X		0.0349	0.0283	0.0089	0.0026	99.2%	99.6%	99.9%	0.0249	0.0257	0.0058
σ		0.0046	0.0039	0.0060	0.0122	2.3%	2.7%	2.7%	0.0019	0.0031	0.0062
%RSD		13.3248	13.7472	67.3851	463.9432	2.3	2.7	2.7	7.7928	12.0820	106.7247
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:00:44	0.0061	0.0021	96.2%	100.6%	0.0003	0.0034	0.0020	-0.0060	0.0026	
2	09:01:10	0.0072	0.0075	98.8%	102.6%	0.0038	0.0083	0.0058	-0.0040	0.0064	
3	09:01:37	0.0118	0.0122	101.2%	104.5%	0.0067	0.0102	0.0091	-0.0025	0.0091	
X		0.0084	0.0073	98.7%	102.5%	0.0036	0.0073	0.0056	-0.0042	0.0060	
σ		0.0030	0.0050	2.5%	2.0%	0.0032	0.0035	0.0035	0.0017	0.0033	
%RSD		36.0818	69.2500	2.5	1.9	88.8466	48.3532	62.2667	41.4611	54.1823	

K1405721-002 6/18/2014 9:03:22 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:03:22	0.1675	0.3437	0.3593	0.1988	90.6%	87.1%	92.1%	0.0549	0.0561	0.7383
2	09:03:48	0.1878	0.3312	0.3457	0.2188	90.7%	87.2%	92.3%	0.0496	0.0608	0.7510
3	09:04:15	0.1449	0.3145	0.2398	0.1754	97.9%	95.2%	100.6%	0.0534	0.0529	0.6793
x		0.1667	0.3298	0.3149	0.1977	93.0%	89.9%	95.0%	0.0526	0.0566	0.7229
σ		0.0215	0.0147	0.0654	0.0217	4.2%	4.7%	4.9%	0.0027	0.0039	0.0382
%RSD		12.8714	4.4480	20.7703	10.9845	4.5	5.2	5.1	5.1529	6.9553	5.2903
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:03:22	0.7137	0.7001	92.6%	101.9%	0.0039	0.0049	0.0043	-0.0063	0.0024	
2	09:03:48	0.7562	0.7274	92.6%	99.6%	0.0075	0.0083	0.0078	-0.0035	0.0059	
3	09:04:15	0.6662	0.6318	102.0%	102.8%	0.0094	0.0110	0.0102	-0.0019	0.0075	
x		0.7120	0.6865	95.8%	101.4%	0.0070	0.0081	0.0074	-0.0039	0.0053	
σ		0.0450	0.0492	5.4%	1.6%	0.0028	0.0031	0.0029	0.0022	0.0026	
%RSD		6.3224	7.1704	5.7	1.6	40.0664	38.4903	39.5479	55.9617	50.0253	

K1405721-003 6/18/2014 9:06:29 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:06:29	0.2112	0.8652	0.7451	0.6852	90.9%	87.9%	93.6%	0.0478	0.0508	0.6062
2	09:06:55	0.2098	0.8582	0.8105	0.7295	94.0%	90.4%	96.0%	0.0525	0.0530	0.6255
3	09:07:21	0.1968	0.9137	0.6952	0.6408	93.7%	92.7%	97.6%	0.0576	0.0531	0.5701
x		0.2059	0.8790	0.7503	0.6852	92.9%	90.4%	95.7%	0.0526	0.0523	0.6006
σ		0.0079	0.0302	0.0578	0.0443	1.7%	2.4%	2.0%	0.0049	0.0013	0.0281
%RSD		3.8508	3.4393	7.7090	6.4715	1.8	2.7	2.1	9.3138	2.5134	4.6821
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:06:29	0.6002	0.5778	92.8%	94.6%	0.0015	0.0029	0.0022	-0.0067	0.0017	
2	09:06:55	0.5822	0.5870	96.0%	96.5%	0.0027	0.0042	0.0030	-0.0058	0.0030	
3	09:07:21	0.5551	0.5815	97.3%	98.1%	0.0021	0.0037	0.0034	-0.0047	0.0032	
x		0.5792	0.5821	95.4%	96.4%	0.0021	0.0036	0.0028	-0.0057	0.0026	
σ		0.0227	0.0046	2.3%	1.7%	0.0006	0.0006	0.0006	0.0010	0.0008	
%RSD		3.9192	0.7902	2.4	1.8	28.9710	17.8225	20.8547	18.1161	29.8686	

K1405721-004 6/18/2014 9:09:33 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:09:33	0.1875	0.3805	0.2506	0.1940	92.6%	90.8%	95.6%	0.0437	0.0480	0.6897
2	09:09:59	0.1593	0.3831	0.3295	0.1958	95.0%	92.2%	97.6%	0.0521	0.0491	0.6932
3	09:10:25	0.1669	0.3673	0.2563	0.1958	95.6%	93.6%	98.3%	0.0494	0.0470	0.6920
x		0.1712	0.3770	0.2788	0.1952	94.4%	92.2%	97.2%	0.0484	0.0480	0.6916
σ		0.0146	0.0085	0.0440	0.0011	1.5%	1.4%	1.4%	0.0043	0.0010	0.0017
%RSD		8.5218	2.2473	15.7788	0.5487	1.6	1.5	1.5	8.7831	2.1559	0.2527
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:09:33	0.6997	0.7030	94.2%	94.4%	0.0063	0.0070	0.0062	-0.0085	0.0018	
2	09:09:59	0.7179	0.6891	96.9%	95.9%	0.0025	0.0072	0.0055	-0.0062	0.0019	
3	09:10:25	0.6958	0.6830	97.7%	96.9%	0.0060	0.0060	0.0059	-0.0047	0.0023	
x		0.7045	0.6917	96.3%	95.7%	0.0050	0.0067	0.0059	-0.0065	0.0020	
σ		0.0118	0.0102	1.8%	1.3%	0.0021	0.0007	0.0004	0.0019	0.0003	
%RSD		1.6763	1.4798	1.9	1.3	42.9947	9.9108	6.0961	29.2762	12.8346	

K1405721-005 6/18/2014 9:12:36 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:12:36	0.3019	0.3949	0.2367	0.1309	92.9%	89.9%	95.0%	0.0447	0.0441	0.5687
2	09:13:03	0.3189	0.3820	0.2902	0.1291	94.4%	92.6%	97.4%	0.0505	0.0389	0.5782
3	09:13:29	0.2933	0.3835	0.2599	0.1766	94.6%	93.2%	99.2%	0.0439	0.0436	0.5568
x		0.3047	0.3868	0.2622	0.1455	94.0%	91.9%	97.2%	0.0464	0.0422	0.5679
σ		0.0131	0.0071	0.0268	0.0269	0.9%	1.8%	2.1%	0.0036	0.0029	0.0107
%RSD		4.2853	1.8345	10.2324	18.4908	1.0	1.9	2.2	7.7310	6.8183	1.8859
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:12:36	0.5670	0.6035	94.6%	92.8%	0.0027	0.0020	0.0024	-0.0063	0.0013	
2	09:13:03	0.5960	0.5889	96.2%	95.7%	0.0031	0.0041	0.0026	-0.0056	0.0015	
3	09:13:29	0.5772	0.5741	97.6%	96.4%	0.0016	0.0052	0.0027	-0.0057	0.0020	
x		0.5801	0.5888	96.1%	95.0%	0.0025	0.0038	0.0026	-0.0059	0.0016	
σ		0.0147	0.0147	1.5%	1.9%	0.0008	0.0016	0.0002	0.0004	0.0004	
%RSD		2.5412	2.4918	1.6	2.0	31.4038	42.5559	7.3190	6.8907	23.6677	

K1405721-006 6/18/2014 9:15:41 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:15:41	0.2053	19.7388	17.7320	18.8730	93.1%	90.6%	96.0%	0.0506	0.0449	0.7489
2	09:16:07	0.1737	19.5598	17.6569	18.7058	95.1%	92.9%	99.1%	0.0532	0.0477	0.7322
3	09:16:33	0.1753	19.1755	17.6237	18.6916	96.6%	93.7%	99.5%	0.0575	0.0474	0.7372
x		0.1848	19.4914	17.6709	18.7568	94.9%	92.4%	98.2%	0.0537	0.0467	0.7394
σ		0.0178	0.2878	0.0555	0.1009	1.8%	1.6%	1.9%	0.0035	0.0016	0.0085
%RSD		9.6356	1.4768	0.3139	0.5380	1.9	1.7	1.9	6.4909	3.3639	1.1545
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:15:41	0.7146	0.7353	94.1%	92.9%	0.0059	0.0065	0.0066	-0.0069	0.0009	
2	09:16:07	0.7500	0.7301	96.2%	94.6%	0.0057	0.0077	0.0066	-0.0056	0.0017	
3	09:16:33	0.7323	0.7280	97.8%	95.7%	0.0068	0.0048	0.0070	-0.0048	0.0015	
x		0.7323	0.7311	96.0%	94.4%	0.0061	0.0063	0.0067	-0.0058	0.0013	
σ		0.0177	0.0037	1.8%	1.4%	0.0006	0.0015	0.0002	0.0010	0.0004	
%RSD		2.4172	0.5123	1.9	1.4	9.7612	23.1071	3.5050	17.9603	29.2203	

K1405941-001 6/18/2014 9:18:45 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:18:45	0.3196	1.0097	1.0021	0.8952	93.1%	90.6%	96.2%	0.0394	0.0396	3.3222
2	09:19:11	0.3011	0.9916	0.8805	0.8689	94.5%	92.5%	97.2%	0.0397	0.0376	3.4397
3	09:19:37	0.2906	0.9640	0.9967	0.8615	95.7%	94.0%	99.7%	0.0398	0.0367	3.3512
x		0.3038	0.9884	0.9598	0.8752	94.4%	92.4%	97.7%	0.0396	0.0380	3.3710
σ		0.0147	0.0230	0.0687	0.0177	1.3%	1.7%	1.8%	0.0002	0.0015	0.0613
%RSD		4.8364	2.3262	7.1565	2.0252	1.4	1.8	1.8	0.4343	3.9012	1.8171
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:18:45	3.2641	3.3272	95.1%	95.4%	0.0172	0.0123	0.0138	-0.0065	0.1099	
2	09:19:11	3.3268	3.3219	97.6%	97.8%	0.0138	0.0142	0.0148	-0.0063	0.1093	
3	09:19:37	3.3678	3.2836	99.0%	98.5%	0.0138	0.0159	0.0138	-0.0051	0.1083	
x		3.3196	3.3109	97.2%	97.3%	0.0149	0.0141	0.0141	-0.0060	0.1092	
σ		0.0522	0.0238	2.0%	1.6%	0.0020	0.0018	0.0005	0.0008	0.0008	
%RSD		1.5737	0.7191	2.1	1.7	13.1408	12.7363	3.7171	12.6247	0.7506	

K1405572-MB 6/18/2014 9:21:57 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:21:57	0.0816	0.0828	0.0248	0.0236	107.3%	109.4%	110.0%	0.0040	0.0042	-0.0039
2	09:22:23	0.0716	0.0808	0.0348	0.0056	108.2%	110.8%	111.2%	0.0033	0.0037	-0.0007
3	09:22:49	0.0804	0.0704	0.0049	0.0090	108.8%	111.3%	110.7%	0.0054	0.0037	-0.0040
x		0.0778	0.0780	0.0215	0.0127	108.1%	110.5%	110.6%	0.0042	0.0039	-0.0029
σ		0.0054	0.0067	0.0152	0.0095	0.7%	1.0%	0.6%	0.0011	0.0003	0.0019
%RSD		6.9624	8.5565	70.7662	75.0948	0.7	0.9	0.6	26.0075	7.3893	65.9474
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:21:57	0.0031	0.0006	103.3%	104.2%	-0.0027	0.0004	-0.0012	-0.0087	0.0002	
2	09:22:23	0.0014	0.0004	105.7%	107.5%	-0.0004	-0.0002	-0.0005	-0.0073	0.0003	
3	09:22:49	-0.0001	0.0025	106.3%	108.2%	-0.0027	-0.0006	-0.0012	-0.0071	0.0003	
x		0.0015	0.0012	105.1%	106.6%	-0.0019	-0.0001	-0.0010	-0.0077	0.0002	
σ		0.0016	0.0011	1.6%	2.2%	0.0013	0.0005	0.0004	0.0009	0.0001	
%RSD		107.8557	94.1665	1.5	2.0	68.5783	522.6319	43.3942	11.4536	32.3134	

LCSW 6/18/2014 9:24:39 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:24:39	9.2010	23.8095	27.4542	26.9812	109.3%	111.4%	112.0%	48.0516	47.5515	96.3596
2	09:25:06	9.6977	25.1045	28.9380	28.1026	106.7%	109.4%	110.2%	50.7912	50.3252	100.5619
3	09:25:32	9.6155	25.3261	28.6544	28.3380	107.2%	110.2%	110.4%	50.3936	49.5202	98.7946
x		9.5047	24.7467	28.3489	27.8073	107.7%	110.4%	110.9%	49.7455	49.1323	98.5721
σ		0.2662	0.8192	0.7877	0.7250	1.4%	1.0%	1.0%	1.4803	1.4270	2.1100
%RSD		2.8009	3.3102	2.7784	2.6073	1.3	0.9	0.9	2.9758	2.9043	2.1405
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:24:39	96.6387	99.6612	107.9%	109.5%	45.4450	47.7079	46.6462	-0.0074	18.5833	
2	09:25:06	100.2585	103.7318	106.7%	110.2%	46.7721	48.6548	47.7241	-0.0072	19.1414	
3	09:25:32	99.4364	103.7999	108.0%	111.7%	46.2693	48.3382	47.2835	-0.0085	18.8483	
x		98.7778	102.3976	107.6%	110.5%	46.1621	48.2336	47.2179	-0.0077	18.8577	
σ		1.8976	2.3701	0.8%	1.1%	0.6700	0.4821	0.5419	0.0007	0.2792	
%RSD		1.9211	2.3146	0.7	1.0	1.4514	0.9994	1.1477	8.9336	1.4805	

K1405572-001 6/18/2014 9:30:38 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:30:38	0.1896	0.1902	0.2042	0.0134	89.9%	88.5%	93.6%	0.0419	0.0352	0.4355
2	09:31:05	0.1707	0.1793	0.1287	0.0332	93.5%	91.8%	97.3%	0.0416	0.0379	0.4264
3	09:31:31	0.1918	0.1894	0.1148	0.0225	95.8%	92.4%	98.9%	0.0375	0.0403	0.4270
x		0.1840	0.1863	0.1492	0.0230	93.1%	90.9%	96.6%	0.0403	0.0378	0.4296
σ		0.0116	0.0061	0.0481	0.0099	3.0%	2.1%	2.7%	0.0024	0.0025	0.0051
%RSD		6.3073	3.2695	32.2333	43.0343	3.2	2.3	2.8	6.0285	6.7256	1.1847
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:30:38	0.4633	0.4385	94.2%	99.7%	0.0013	0.0022	0.0016	-0.0093	0.1450	
2	09:31:05	0.4585	0.4391	97.0%	100.2%	0.0050	0.0035	0.0046	-0.0088	0.1484	
3	09:31:31	0.4563	0.4542	98.9%	100.6%	0.0069	0.0080	0.0066	-0.0078	0.1496	
x		0.4594	0.4439	96.7%	100.2%	0.0044	0.0046	0.0043	-0.0087	0.1477	
σ		0.0036	0.0089	2.4%	0.5%	0.0029	0.0030	0.0025	0.0007	0.0024	
%RSD		0.7822	2.0015	2.5	0.5	64.8198	66.5896	58.6370	8.5730	1.6179	

K1405818-001 6/18/2014 9:33:42 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:33:42	0.1793	0.2032	0.1772	0.0757	95.7%	93.8%	99.0%	0.0254	0.0217	0.7740
2	09:34:09	0.1875	0.2011	0.1395	0.0769	97.5%	96.2%	101.9%	0.0262	0.0302	0.7236
3	09:34:36	0.1773	0.1887	0.2018	0.0726	98.4%	97.5%	102.3%	0.0286	0.0256	0.7434
x		0.1814	0.1977	0.1728	0.0751	97.2%	95.8%	101.1%	0.0267	0.0258	0.7470
σ		0.0054	0.0079	0.0314	0.0022	1.3%	1.9%	1.8%	0.0016	0.0042	0.0254
%RSD		2.9882	3.9802	18.1447	2.9440	1.4	2.0	1.8	6.0700	16.4392	3.4026
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:33:42	0.7483	0.7237	97.0%	99.9%	0.0084	0.0088	0.0084	-0.0075	0.1171	
2	09:34:09	0.7327	0.7146	100.2%	100.8%	0.0113	0.0145	0.0116	-0.0070	0.1146	
3	09:34:36	0.7174	0.7408	102.4%	102.2%	0.0098	0.0107	0.0116	-0.0056	0.1174	
x		0.7328	0.7264	99.9%	101.0%	0.0099	0.0113	0.0106	-0.0067	0.1163	
σ		0.0154	0.0133	2.7%	1.1%	0.0014	0.0029	0.0018	0.0010	0.0016	
%RSD		2.1052	1.8322	2.7	1.1	14.6864	25.7351	17.3292	14.7132	1.3378	

CCV4 6/18/2014 9:36:43 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:36:43	24.6053	24.7273	25.1899	24.8891	110.3%	112.3%	112.4%	24.6898	24.5931	25.4545
2	09:37:09	24.3614	24.5352	24.5523	24.5803	111.3%	113.0%	114.1%	24.6390	24.4510	25.1140
3	09:37:35	25.1192	25.1544	25.2191	25.6336	109.6%	112.2%	111.9%	25.7047	25.2677	25.9595
x		24.6953	24.8056	24.9871	25.0343	110.4%	112.5%	112.8%	25.0112	24.7706	25.5093
σ		0.3868	0.3170	0.3768	0.5415	0.9%	0.4%	1.1%	0.6012	0.4363	0.4254
%RSD		1.5663	1.2778	1.5081	2.1629	0.8	0.4	1.0	2.4035	1.7613	1.6676
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:36:43	25.3767	25.5183	106.1%	107.2%	24.1788	24.3645	24.1808	23.3526	23.6216	
2	09:37:09	25.0127	25.0957	108.6%	109.7%	23.8749	24.1250	24.0201	23.7487	23.4662	
3	09:37:35	25.5787	25.7807	106.9%	108.1%	24.6486	24.5045	24.5116	24.4354	24.0688	
x		25.3227	25.4649	107.2%	108.3%	24.2341	24.3313	24.2375	23.8456	23.7189	
σ		0.2868	0.3456	1.3%	1.3%	0.3898	0.1919	0.2506	0.5478	0.3129	
%RSD		1.1327	1.3571	1.2	1.2	1.6085	0.7889	1.0340	2.2975	1.3191	

CCB4 6/18/2014 9:43:42 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:43:42	0.0624	0.0399	0.0135	0.0187	100.9%	102.5%	102.4%	0.0217	0.0221	0.0016
2	09:44:09	0.0388	0.0552	0.0149	0.0187	103.0%	105.0%	105.7%	0.0258	0.0302	0.0158
3	09:44:35	0.0377	0.0263	0.0432	0.0251	104.8%	106.9%	106.8%	0.0338	0.0334	0.0141
x		0.0463	0.0405	0.0238	0.0208	102.9%	104.8%	105.0%	0.0271	0.0286	0.0105
σ		0.0140	0.0145	0.0168	0.0036	1.9%	2.2%	2.3%	0.0062	0.0058	0.0078
%RSD		30.1300	35.7116	70.3115	17.5006	1.9	2.1	2.2	22.7337	20.3204	74.1014
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:43:42	0.0042	0.0055	98.7%	102.2%	0.0022	0.0067	0.0036	-0.0049	0.0034	
2	09:44:09	0.0097	0.0163	102.0%	105.8%	0.0123	0.0120	0.0127	-0.0024	0.0105	
3	09:44:35	0.0157	0.0188	103.6%	108.0%	0.0163	0.0179	0.0165	-0.0023	0.0139	
x		0.0099	0.0135	101.4%	105.3%	0.0103	0.0122	0.0109	-0.0032	0.0093	
σ		0.0057	0.0071	2.5%	3.0%	0.0073	0.0056	0.0066	0.0015	0.0054	
%RSD		58.0899	52.4251	2.5	2.8	70.7874	46.1115	60.6742	46.1301	58.3471	

LLCCVW2 6/18/2014 9:49:31 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:49:31	0.2468	0.5688	0.5282	0.5052	97.7%	99.6%	99.3%	0.0663	0.0602	0.0504
2	09:49:57	0.2339	0.5264	0.4165	0.4921	101.2%	102.2%	103.0%	0.0591	0.0591	0.0505
3	09:50:23	0.2503	0.5309	0.4635	0.5069	101.9%	104.2%	105.0%	0.0640	0.0700	0.0403
x		0.2437	0.5420	0.4694	0.5014	100.3%	102.0%	102.4%	0.0631	0.0631	0.0471
σ		0.0086	0.0233	0.0561	0.0081	2.2%	2.3%	2.9%	0.0037	0.0060	0.0058
%RSD		3.5418	4.2924	11.9473	1.6106	2.2	2.2	2.8	5.8312	9.5371	12.3688
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:49:31	0.0542	0.0551	98.5%	102.7%	0.0192	0.0207	0.0213	-0.0083	0.0205	
2	09:49:57	0.0569	0.0602	101.5%	105.3%	0.0244	0.0264	0.0252	-0.0060	0.0223	
3	09:50:23	0.0589	0.0610	102.8%	107.0%	0.0223	0.0249	0.0237	-0.0061	0.0217	
x		0.0566	0.0588	100.9%	105.0%	0.0220	0.0240	0.0234	-0.0068	0.0215	
σ		0.0024	0.0032	2.2%	2.2%	0.0026	0.0029	0.0020	0.0013	0.0009	
%RSD		4.2117	5.4240	2.2	2.1	11.8657	12.2169	8.3778	18.8040	4.3512	

K1405818-002 6/18/2014 9:52:35 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:52:35	0.2912	0.1970	0.2412	0.1621	92.9%	91.9%	95.9%	0.0739	0.0710	2.6578
2	09:53:02	0.2723	0.1802	0.3104	0.1364	95.5%	94.3%	99.8%	0.0743	0.0757	2.7480
3	09:53:28	0.2732	0.1969	0.2358	0.1616	96.7%	96.0%	101.4%	0.0773	0.0702	2.6863
x		0.2789	0.1914	0.2625	0.1534	95.0%	94.1%	99.0%	0.0752	0.0723	2.6974
σ		0.0107	0.0097	0.0416	0.0147	1.9%	2.1%	2.8%	0.0019	0.0030	0.0461
%RSD		3.8349	5.0614	15.8519	9.5767	2.1	2.2	2.8	2.4731	4.0918	1.7091
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:52:35	2.7405	2.6943	96.7%	107.8%	0.0138	0.0156	0.0146	-0.0089	0.2112	
2	09:53:02	2.6291	2.6395	99.9%	107.6%	0.0137	0.0166	0.0160	-0.0074	0.2145	
3	09:53:28	2.7168	2.6339	102.5%	108.7%	0.0160	0.0195	0.0172	-0.0074	0.2108	
x		2.6955	2.6559	99.7%	108.1%	0.0145	0.0172	0.0160	-0.0079	0.2122	
σ		0.0587	0.0333	2.9%	0.6%	0.0013	0.0020	0.0013	0.0009	0.0020	
%RSD		2.1766	1.2556	2.9	0.5	8.9679	11.7471	8.3011	11.2189	0.9486	

K1405818-002D 6/18/2014 9:55:41 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:55:41	0.2025	0.3818	0.5176	0.3075	94.3%	93.3%	97.9%	0.0738	0.0842	2.9375
2	09:56:07	0.1887	0.3535	0.3438	0.3431	96.4%	95.5%	100.2%	0.0772	0.0809	2.8665
3	09:56:34	0.2071	0.3651	0.3814	0.3442	97.9%	96.8%	102.3%	0.0739	0.0795	2.8647
x		0.1994	0.3668	0.4143	0.3316	96.2%	95.2%	100.1%	0.0749	0.0815	2.8896
σ		0.0096	0.0142	0.0914	0.0209	1.8%	1.8%	2.2%	0.0020	0.0024	0.0415
%RSD		4.7946	3.8848	22.0702	6.2965	1.9	1.9	2.2	2.6028	2.9114	1.4366
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:55:41	2.8448	2.8538	97.7%	102.8%	0.0194	0.0192	0.0191	-0.0082	0.2313	
2	09:56:07	2.8534	2.8134	100.7%	103.2%	0.0216	0.0195	0.0208	-0.0064	0.2376	
3	09:56:34	2.8419	2.8110	101.7%	104.7%	0.0166	0.0187	0.0179	-0.0060	0.2357	
x		2.8467	2.8260	100.0%	103.6%	0.0192	0.0192	0.0193	-0.0069	0.2348	
σ		0.0060	0.0240	2.1%	1.0%	0.0025	0.0004	0.0015	0.0011	0.0032	
%RSD		0.2096	0.8507	2.1	1.0	12.8742	2.1922	7.6733	16.7155	1.3612	

K1405818-002S 6/18/2014 9:58:47 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:58:47	10.5621	23.3809	26.4210	25.9804	96.1%	95.0%	99.9%	52.1754	51.6970	108.2961
2	09:59:13	10.5458	23.1971	26.1610	25.6371	97.8%	97.2%	102.3%	50.8230	50.5954	107.2034
3	09:59:39	10.5528	23.1949	26.6267	25.6860	98.9%	98.4%	104.0%	50.6769	50.9979	106.8960
x		10.5536	23.2577	26.4029	25.7679	97.6%	96.9%	102.1%	51.2251	51.0968	107.4652
σ		0.0082	0.1067	0.2334	0.1857	1.4%	1.7%	2.0%	0.8262	0.5574	0.7358
%RSD		0.0775	0.4589	0.8838	0.7207	1.4	1.8	2.0	1.6129	1.0909	0.6847
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:58:47	108.0963	112.0427	100.0%	103.5%	42.2747	44.2801	43.3409	-0.0075	19.0893	
2	09:59:13	107.0269	110.6793	102.7%	105.5%	41.9898	43.6843	42.8024	-0.0079	19.0652	
3	09:59:39	106.1825	110.0553	102.6%	106.1%	42.2833	44.6397	43.5933	-0.0083	19.0749	
x		107.1019	110.9258	101.8%	105.0%	42.1826	44.2014	43.2455	-0.0079	19.0765	
σ		0.9591	1.0163	1.5%	1.3%	0.1671	0.4826	0.4040	0.0004	0.0121	
%RSD		0.8955	0.9162	1.5	1.3	0.3960	1.0918	0.9341	5.0406	0.0637	

K1405818-002SD 6/18/2014 10:02:20 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:02:20	10.8936	23.7117	27.2431	26.5052	95.6%	94.1%	98.7%	51.5741	50.4703	109.9822
2	10:02:46	10.7714	23.7424	26.8947	26.5810	97.2%	97.2%	102.3%	50.2471	49.6520	108.3563
3	10:03:12	12.5526	27.5195	31.2746	30.5773	90.0%	90.0%	94.2%	58.3589	57.9006	126.1479
x		11.4059	24.9912	28.4708	27.8878	94.2%	93.8%	98.4%	53.3934	52.6743	114.8288
σ		0.9950	2.1896	2.4344	2.3295	3.8%	3.6%	4.1%	4.3512	4.5445	9.8363
%RSD		8.7234	8.7616	8.5505	8.3530	4.0	3.9	4.1	8.1493	8.6276	8.5660
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	10:02:20	109.5048	113.6658	99.7%	103.4%	41.6291	43.6785	42.7998	-0.0078	18.8860	
2	10:02:46	109.4039	113.2147	101.7%	105.9%	41.8928	43.7969	42.6973	-0.0069	18.5575	
3	10:03:12	126.3656	132.1297	93.7%	96.9%	48.1703	50.3690	49.2448	-0.0055	22.2326	
x		115.0914	119.6701	98.4%	102.1%	43.8974	45.9481	44.9140	-0.0067	19.8920	
σ		9.7639	10.7927	4.1%	4.6%	3.7028	3.8291	3.7510	0.0011	2.0336	
%RSD		8.4836	9.0187	4.2	4.5	8.4351	8.3335	8.3515	16.7634	10.2234	

K1405818-003 6/18/2014 10:05:54 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:05:54	0.2540	0.1947	0.2180	0.1502	95.9%	94.5%	99.3%	0.0799	0.0840	2.8912
2	10:06:20	0.2322	0.1962	0.3404	0.1375	98.0%	96.8%	101.5%	0.0951	0.0998	2.7715
3	10:06:47	0.2158	0.1925	0.2138	0.1401	98.4%	97.1%	103.3%	0.1100	0.1114	2.8660
x		0.2340	0.1945	0.2574	0.1426	97.4%	96.1%	101.3%	0.0950	0.0984	2.8429
σ		0.0191	0.0019	0.0719	0.0067	1.4%	1.5%	2.0%	0.0150	0.0138	0.0631
%RSD		8.1720	0.9719	27.9301	4.7024	1.4	1.5	2.0	15.8189	13.9783	2.2188
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	10:05:54	2.8529	2.8171	98.1%	99.1%	0.0291	0.0351	0.0310	-0.0069	0.1821	
2	10:06:20	2.8123	2.8317	100.8%	101.5%	0.0393	0.0462	0.0415	-0.0060	0.1864	
3	10:06:47	2.8308	2.8287	102.3%	101.8%	0.0501	0.0514	0.0529	-0.0061	0.1907	
x		2.8320	2.8258	100.4%	100.8%	0.0395	0.0442	0.0418	-0.0063	0.1864	
σ		0.0203	0.0077	2.1%	1.5%	0.0105	0.0083	0.0109	0.0005	0.0043	
%RSD		0.7177	0.2724	2.1	1.5	26.5836	18.8777	26.1690	8.3758	2.2927	

K1405818-004 6/18/2014 10:08:59 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:08:59	0.2285	0.1581	0.2150	0.1279	96.8%	95.5%	101.0%	0.0715	0.0747	2.6127
2	10:09:25	0.2094	0.1851	0.2587	0.0986	98.2%	97.2%	102.5%	0.0678	0.0709	2.6336
3	10:09:52	0.2229	0.1952	0.2357	0.1332	99.0%	98.4%	103.8%	0.0773	0.0698	2.6839
x		0.2203	0.1794	0.2365	0.1199	98.0%	97.0%	102.4%	0.0722	0.0718	2.6434
σ		0.0098	0.0192	0.0218	0.0186	1.2%	1.5%	1.4%	0.0048	0.0026	0.0366
%RSD		4.4655	10.6891	9.2261	15.5220	1.2	1.5	1.4	6.6068	3.5900	1.3860
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	10:08:59	2.6740	2.6270	99.3%	100.0%	0.0079	0.0085	0.0080	-0.0077	0.1954	
2	10:09:25	2.6547	2.6383	102.2%	101.7%	0.0119	0.0126	0.0112	-0.0055	0.1917	
3	10:09:52	2.5708	2.6563	103.3%	103.1%	0.0102	0.0129	0.0128	-0.0049	0.1947	
x		2.6332	2.6405	101.6%	101.6%	0.0100	0.0114	0.0107	-0.0060	0.1939	
σ		0.0549	0.0148	2.1%	1.6%	0.0020	0.0025	0.0024	0.0015	0.0020	
%RSD		2.0849	0.5599	2.0	1.6	19.6766	21.9030	22.8367	24.5889	1.0277	

K1405461-MB 6/18/2014 10:11:56 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:11:56	0.1107	0.0534	0.0701	0.0057	111.3%	114.4%	113.9%	0.0028	0.0032	-0.0003
2	10:12:23	0.0984	0.0525	0.0296	0.0124	112.4%	115.6%	115.6%	0.0040	0.0067	0.0054
3	10:12:49	0.1060	0.0610	0.0530	0.0176	113.3%	115.6%	115.9%	0.0073	0.0049	0.0021
x		0.1051	0.0556	0.0509	0.0119	112.3%	115.2%	115.1%	0.0047	0.0049	0.0024
σ		0.0062	0.0047	0.0203	0.0060	1.0%	0.7%	1.0%	0.0023	0.0018	0.0028
%RSD		5.8848	8.3646	39.8904	50.4086	0.9	0.6	0.9	49.3416	36.3319	117.5659
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	10:11:56	0.0005	0.0031	107.7%	106.7%	-0.0009	0.0014	0.0000	-0.0080	0.0016	
2	10:12:23	0.0036	0.0045	109.3%	109.7%	0.0003	0.0011	0.0002	-0.0080	0.0018	
3	10:12:49	0.0086	0.0064	110.5%	111.5%	-0.0020	0.0037	0.0008	-0.0079	0.0024	
x		0.0042	0.0047	109.2%	109.3%	-0.0009	0.0021	0.0003	-0.0080	0.0019	
σ		0.0041	0.0016	1.4%	2.4%	0.0011	0.0014	0.0004	0.0001	0.0004	
%RSD		97.0910	34.8195	1.3	2.2	127.8076	69.1120	128.9932	1.1877	20.9094	

LCSW 6/18/2014 10:14:36 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:14:36	9.8869	25.7396	29.8501	28.1067	110.6%	113.9%	115.0%	51.0874	51.2265	101.0495
2	10:15:02	9.8950	25.6105	29.2681	28.8338	111.7%	114.5%	116.1%	51.2122	51.0092	102.0826
3	10:15:29	9.8066	25.5956	29.2639	28.7573	111.8%	114.7%	116.5%	52.0749	51.2684	100.9063
x		9.8628	25.6486	29.4607	28.5660	111.4%	114.4%	115.8%	51.4582	51.1680	101.3461
σ		0.0489	0.0792	0.3372	0.3996	0.7%	0.5%	0.8%	0.5378	0.1391	0.6418
%RSD		0.4954	0.3088	1.1446	1.3988	0.6	0.4	0.7	1.0451	0.2719	0.6333
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	10:14:36	100.7730	104.9499	111.1%	112.1%	47.9225	50.1663	49.0341	19.2008	19.5140	
2	10:15:02	101.1612	105.3891	111.9%	113.3%	47.8487	49.9486	49.1553	19.5035	19.4642	
3	10:15:29	100.9731	105.2810	111.5%	113.7%	47.9093	50.3090	49.3203	19.5165	19.5083	
x		100.9691	105.2067	111.5%	113.0%	47.8935	50.1413	49.1699	19.4069	19.4955	
σ		0.1941	0.2288	0.4%	0.8%	0.0393	0.1815	0.1436	0.1786	0.0272	
%RSD		0.1922	0.2175	0.4	0.7	0.0821	0.3619	0.2921	0.9204	0.1397	

CCV5 6/18/2014 10:17:19 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:17:19	24.5027	24.7511	23.6929	24.7630	108.1%	111.6%	112.0%	24.7859	24.4052	25.0618
2	10:17:45	23.9289	24.5138	24.4980	24.6448	110.1%	112.5%	113.9%	24.4799	24.4890	24.6960
3	10:18:12	24.0836	24.3324	24.3416	24.6774	109.8%	113.4%	114.0%	24.3606	24.6512	24.8145
x		24.1718	24.5325	24.1775	24.6951	109.3%	112.5%	113.3%	24.5421	24.5151	24.8574
σ		0.2969	0.2100	0.4269	0.0610	1.1%	0.9%	1.1%	0.2193	0.1251	0.1866
%RSD		1.2282	0.8558	1.7656	0.2471	1.0	0.8	1.0	0.8938	0.5101	0.7507
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	10:17:19	24.7127	24.8947	107.7%	110.3%	23.9136	23.8006	23.8114	23.8267	23.4962	
2	10:17:45	24.7466	24.8683	109.4%	111.6%	23.8987	23.8985	23.9006	24.2470	23.6268	
3	10:18:12	24.6633	24.9536	110.3%	112.0%	23.8641	23.7809	23.7948	23.9216	23.4045	
x		24.7075	24.9055	109.1%	111.3%	23.8922	23.8266	23.8356	23.9985	23.5092	
σ		0.0419	0.0437	1.3%	0.9%	0.0254	0.0630	0.0569	0.2204	0.1117	
%RSD		0.1695	0.1753	1.2	0.8	0.1063	0.2643	0.2386	0.9186	0.4752	

CCB5 6/18/2014 10:24:42 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:24:42	0.0630	0.0330	0.0069	0.0333	99.8%	102.7%	103.1%	0.0206	0.0189	0.0021
2	10:25:09	0.0517	0.0387	0.0146	0.0151	103.3%	104.8%	105.9%	0.0319	0.0277	0.0178
3	10:25:35	0.0654	0.0487	0.0517	0.0166	104.1%	106.9%	107.7%	0.0322	0.0318	0.0173
x		0.0600	0.0401	0.0244	0.0217	102.4%	104.8%	105.5%	0.0282	0.0261	0.0124
σ		0.0073	0.0080	0.0240	0.0101	2.3%	2.1%	2.3%	0.0066	0.0065	0.0089
%RSD		12.1875	19.8126	98.2472	46.6657	2.3	2.0	2.2	23.3111	25.0745	71.7554
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	10:24:42	0.0053	0.0045	101.0%	104.8%	0.0010	0.0040	0.0025	-0.0072	0.0029	
2	10:25:09	0.0159	0.0189	103.5%	107.5%	0.0129	0.0185	0.0133	-0.0024	0.0098	
3	10:25:35	0.0232	0.0229	104.5%	108.7%	0.0165	0.0180	0.0169	-0.0019	0.0132	
x		0.0148	0.0155	103.0%	107.0%	0.0102	0.0135	0.0109	-0.0038	0.0086	
σ		0.0090	0.0097	1.8%	2.0%	0.0081	0.0082	0.0075	0.0029	0.0052	
%RSD		61.0195	62.4738	1.7	1.9	79.7319	61.0071	68.8931	76.0260	60.4115	

K1405461-012 6/18/2014 10:27:41 AM

User Pre-dilution: 1.000

Run	Time	52Cr	66Zn	67Zn	68Zn	71Ga	103Rh	115In	121Sb	123Sb	135Ba
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:27:41	0.2168	0.2036	0.1382	0.0526	94.7%	93.5%	97.9%	0.0205	0.0234	0.2836
2	10:28:07	0.2277	0.2065	0.1274	0.0635	97.4%	97.1%	102.1%	0.0283	0.0246	0.2898
3	10:28:33	0.2362	0.2046	0.1034	0.0324	99.2%	97.7%	103.3%	0.0311	0.0320	0.2510
x		0.2269	0.2049	0.1230	0.0495	97.1%	96.1%	101.1%	0.0267	0.0267	0.2748
σ		0.0097	0.0015	0.0178	0.0158	2.2%	2.3%	2.8%	0.0055	0.0047	0.0209
%RSD		4.2788	0.7205	14.4779	31.9044	2.3	2.4	2.8	20.6009	17.4939	7.5935
Run	Time	137Ba	138Ba	175Lu	197Au	206Pb	207Pb	208Pb	232Th	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	10:27:41	0.2880	0.2836	96.8%	107.5%	0.0021	0.0025	0.0016	-0.0079	0.1135	
2	10:28:07	0.2887	0.2767	100.7%	107.4%	0.0041	0.0059	0.0049	-0.0047	0.1163	
3	10:28:33	0.2810	0.2842	101.7%	106.7%	0.0051	0.0098	0.0072	-0.0056	0.1163	
x		0.2859	0.2815	99.7%	107.2%	0.0037	0.0061	0.0045	-0.0060	0.1153	
σ		0.0043	0.0042	2.6%	0.4%	0.0015	0.0037	0.0029	0.0016	0.0016	
%RSD		1.4901	1.4769	2.6	0.4	40.6426	60.4594	62.7342	27.1806	1.3925	

Service Request # K1405572 (RPTM) _____
 Calibration _____ 061914EMS03 _____
 QC in calibration _061914EMS03 _____
 QC Service Request # K1405818 _____
 STARLIMS Batch # 398012 _____

ICP-MS 200.8 Data Review Form

	Yes	No	NA
1. Appropriate standardization completed	X		
2. ICV in control (+/- 10%)	X		
3. CCV's in control (+/- 10%)	X		
4. CCB's and/or ICB's below MRL	X		
5. Method blank below MRL	X		
6. LCS in control (+/-15%)	X		
7. Spike within 70-130%, Duplicate within 20%	X		
8. All analytes within instrument linear range	X		
9. Adequate rinse out time allowed	X		
10. Internal standards in control (60-125%)	X		
11. Interferences checked	X		
12. Se over MRL		X	
13. CRA run (50-199%)	X		
14. ICSA and ICSAB in control			X
15. Serial dilution run			X
16. Post spike in control			X

Comments:

Primary Review by 
 Secondary Review by 

Date 6/20/14
 Date 6/20/14

R:\icp\misc\data review forms\PQ ExCell review form

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	Cal. Blk	Blank	1.000	0	1	1	145
2	Cal. Stn.	Fully Quant Standard	1.000	0	1	2	145
3	ICV1	Unknown	1.000	0	1	3	145
4	CCV1	Unknown	1.000	0	1	2	145
5	ICB1	Unknown	1.000	0	1	1	145
6	CCB1	Unknown	1.000	0	1	1	145
7	LLICV	Unknown	1.000	0	1	4	145
8	ICSA	Unknown	1.000	0	1	5	145
9	ICSAB	Unknown	1.000	0	1	6	145
10	K1405818-MB	Unknown	1.000	1	1	1	145
11	LCSW	Unknown	1.000	1	1	2	145
12	K1405818-002	Unknown	1.000	1	1	3	145
13	K1405818-002D	Unknown	1.000	1	1	4	145
14	K1405818-002L 1/5	Unknown	1.000	1	1	5	145
15	K1405818-002A	Unknown	1.000	1	1	6	145
16	K1405818-002S	Unknown	1.000	1	1	7	145
17	K1405818-002SD	Unknown	1.000	1	1	8	145
18	CCV2	Unknown	1.000	0	1	2	145
19	CCB2	Unknown	1.000	0	1	1	145
20	LLCCV	Unknown	1.000	0	1	4	145
21	K1405818-001	Unknown	1.000	1	1	9	145
22	K1405818-003	Unknown	1.000	1	1	10	145
23	K1405818-004	Unknown	1.000	1	1	11	145
24	K1405572-001	Unknown	1.000	1	1	12	145
25	K1405556-008	Unknown	1.000	1	2	1	145
26	K1405556-017	Unknown	1.000	1	2	2	145
27	K1405556-018	Unknown	1.000	1	2	3	145
28	K1405721-001	Unknown	1.000	1	2	4	145
29	K1405721-002	Unknown	1.000	1	2	5	145
30	K1405721-003	Unknown	1.000	1	2	6	145
31	CCV3	Unknown	1.000	0	1	2	145
32	CCB3	Unknown	1.000	0	1	1	145
33	K1405721-004	Unknown	1.000	1	2	7	145
34	K1405721-005	Unknown	1.000	1	2	8	145
35	K1405721-006	Unknown	1.000	1	2	9	145
36	K1405926-001	Unknown	1.000	1	2	10	145
37	CCV4	Unknown	1.000	0	1	2	145
38	CCV4	Unknown	1.000	0	1	2	145
39	CCB4	Unknown	1.000	0	1	1	145
40	LLCCVW	Unknown	1.000	0	1	4	145

Performance Report

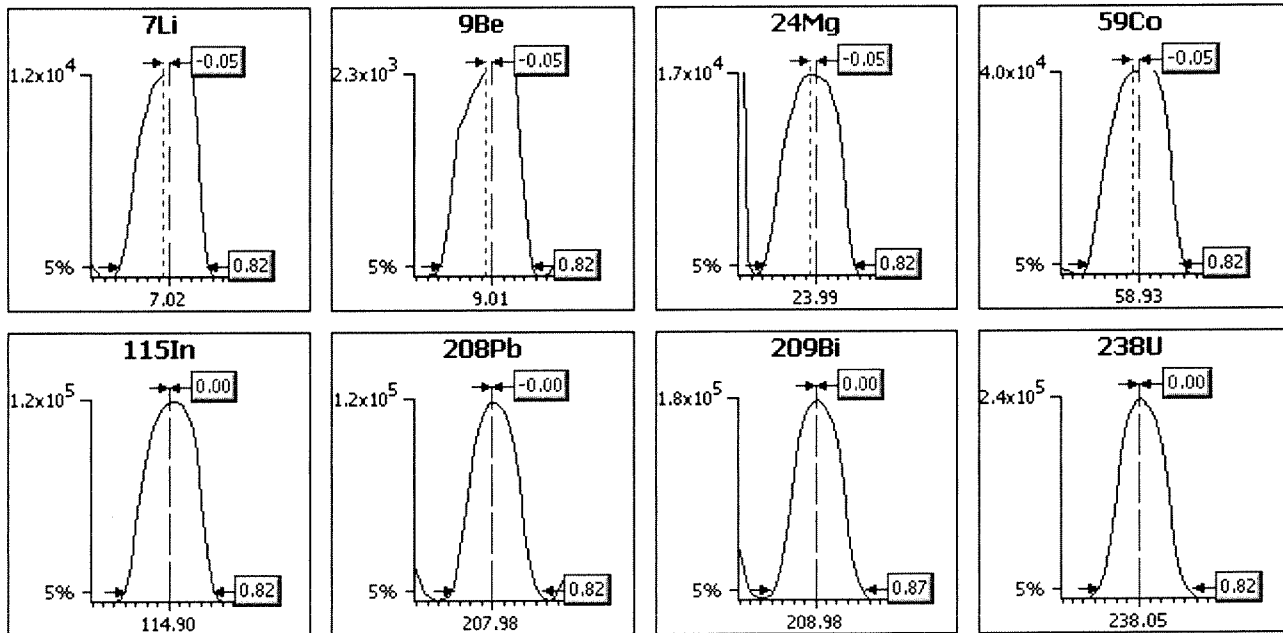
Sample details

Acquired at : 6/19/2014 6:16:03 AM
 Report name : Kelso Performance Report 3 [8/24/2011 10:10:34 AM]

Mass Calibration verification

Acquisition parameters

Sweeps : 100
 Dwell : 1.0 mSecs
 Point spacing : 0.05 amu
 Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
7Li	0.90	0.60	0.10	0.82	-0.05
9Be	0.90	0.60	0.10	0.82	-0.05
24Mg	0.90	0.60	0.10	0.82	-0.05
59Co	0.90	0.60	0.10	0.82	-0.05
115In	0.90	0.60	0.10	0.82	0.00
208Pb	0.90	0.60	0.10	0.82	-0.00
209Bi	0.90	0.60	0.10	0.87	0.00
238U	0.90	0.60	0.10	0.82	0.00

Sample details

Acquired at : 6/19/2014 6:16:03 AM

Report name : Kelso Performance Report 3 [8/24/2011 10:10:34 AM]

Tune conditions

Major		Minor		Global		Add. Gases
Extraction	-137	Lens 2	-10.2	Standard resolution	100	
Lens 1	2.9	Lens 3	-193.7	High resolution	71	
Focus	18.0	Forward power	1247	Analogue Detector	2000	
D1	-40.8	Horizontal	143	PC Detector	3333	
Pole Bias	0.3	Vertical	400			
Hexapole Bias	0.6	D2	-152			
Nebuliser	0.79	DA	-31.4			
Sampling Depth	63	Cool	13.0			
		Auxiliary	0.80			

Sensitivity and stability results**Acquisition parameters**

Sweeps : 400

Run	Time	5Bkg	7Li	9Be	24Mg	59Co	115In	140Ce	156Ce O	208Pb
Dwell (mSecs)		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	5.0%	-	-	5.0%
	CountRate	-	>1000	>1000	>1000	>1000	>1000	-	-	>1000
1	6:16:36 AM	0.250	12191.169	2453.081	16957.301	41367.155	124636.57	137198.79	1447.365	119635.80
2	6:17:49 AM	0.000	12064.250	2512.347	16790.241	41256.152	124211.56	137278.22	1469.119	119719.90
3	6:19:02 AM	0.500	12050.481	2458.082	16779.721	41196.633	124372.74	137506.38	1431.363	119771.32
4	6:20:15 AM	0.000	12016.687	2473.086	16824.805	40824.711	124375.78	137569.58	1392.357	119827.05
5	6:21:29 AM	0.000	12129.336	2439.077	16798.506	41066.797	124733.38	137788.86	1429.612	120072.51
x		0.150	12090.385	2467.135	16830.115	41142.290	124466.01	137468.37	1433.963	119805.32
σ		0.22	69.61	28.05	73.03	207.99	213.40	236.24	28.16	165.11
%RSD		149.071	0.576	1.137	0.434	0.506	0.171	0.172	1.964	0.138

Run	Time	209Bi	220Bkg	238U
Dwell (mSecs)		10.0	10.0	10.0
Limits	%RSD	5.0%	-	5.0%
	CountRate	>1000	-	>1000
1	6:16:36 AM	185648.69	0.000	244400.67
2	6:17:49 AM	185807.64	0.500	244794.04
3	6:19:02 AM	185050.68	0.250	243760.57
4	6:20:15 AM	185352.49	0.250	244033.24
5	6:21:29 AM	185885.71	0.000	243960.32
x		185549.04	0.200	244189.77
σ		345.38	0.21	409.57
%RSD		0.186	104.583	0.168

Ratio results

Run	Time	156Ce O/140Ce
Ratio limits		<0.0300
1	6:16:36 AM	0.011
2	6:17:49 AM	0.011
3	6:19:02 AM	0.010
4	6:20:15 AM	0.010
5	6:21:29 AM	0.010
x		0.0104
σ		0.00
%RSD		2.0723

Result : The performance report passed.

Dilution Corrected Concentrations

Cal. Blk 6/19/2014 2:20:41 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:41	98.5%	0.0006	-0.0050	0.0370	0.0009	0.0134	99.1%	0.0809
2	14:21:28	99.9%	-0.0006	-0.0076	-0.0224	0.0003	-0.0186	100.6%	-0.3076
3	14:22:13	101.6%	-0.0000	0.0126	-0.0147	-0.0013	0.0051	100.4%	0.2268
x		100.0%	0.0000	0.0000	0.0000	-0.0000	0.0000	100.0%	-0.0000
σ		1.6%	0.0006	0.0110	0.0323	0.0011	0.0166	0.8%	0.2762
%RSD		1.6	0.0000	0.0000	0.0000	0.0000	0.0000	0.8	0.0000
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:41	-0.0016	-0.0045	0.0089	-0.0456	0.0023	100.1%	-0.0688	0.2187
2	14:21:28	-0.0001	0.0001	-0.0061	0.0168	-0.0024	99.8%	0.0509	-0.1908
3	14:22:13	0.0016	0.0043	-0.0028	0.0288	0.0001	100.1%	0.0179	-0.0279
x		-0.0000	-0.0000	0.0000	0.0000	0.0000	100.0%	-0.0000	-0.0000
σ		0.0016	0.0044	0.0079	0.0399	0.0023	0.2%	0.0618	0.2062
%RSD		0.0000	0.0000	0.0000	0.0000	0.0000	0.2	0.0000	0.0000
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:41	-0.0261	-0.0104	0.0087	-0.0042	0.0012	-0.0075	-0.0098	0.0009
2	14:21:28	-0.0895	-0.0853	-0.0024	0.0006	-0.0026	0.0037	0.0057	0.0012
3	14:22:13	0.1156	0.0957	-0.0063	0.0036	0.0014	0.0038	0.0041	-0.0021
x		0.0000	0.0000	-0.0000	0.0000	-0.0000	0.0000	-0.0000	0.0000
σ		0.1050	0.0910	0.0078	0.0039	0.0022	0.0065	0.0085	0.0019
%RSD		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:41	0.0005	98.9%	98.5%	-0.0000	-0.0000	0.0005	0.0029	0.0005
2	14:21:28	0.0016	99.8%	100.6%	-0.0005	-0.0000	-0.0013	-0.0007	-0.0007
3	14:22:13	-0.0021	101.3%	100.8%	0.0006	0.0001	0.0009	-0.0022	0.0002
x		-0.0000	100.0%	100.0%	0.0000	0.0000	0.0000	-0.0000	0.0000
σ		0.0019	1.2%	1.3%	0.0006	0.0001	0.0012	0.0027	0.0006
%RSD		0.0000	1.2	1.3	0.0000	0.0000	0.0000	0.0000	0.0000

Cal. Stn. 6/19/2014 2:25:15 PM

User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	52Cr ppb	53Cr ppb	59Co ppb	60Ni ppb	61Ni ppb	62Ni ppb
1	14:25:15	98.1%	25.2427	24.9661	24.9092	25.1026	25.0300	97.2%	25.0497
2	14:26:01	98.4%	24.9804	25.1185	25.2307	25.1009	24.8928	96.8%	24.6996
3	14:26:47	99.5%	24.7769	24.9154	24.8601	24.7965	25.0772	96.5%	25.2507
x		98.6%	25.0000	25.0000	25.0000	25.0000	25.0000	96.8%	25.0000
σ		0.7%	0.2336	0.1057	0.2013	0.1762	0.0958	0.4%	0.2789
%RSD		0.8	0.9342	0.4229	0.8051	0.7049	0.3831	0.4	1.1155
Run	Time	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb	71Ga ppb	75As ppb	77Se ppb
1	14:25:15	25.0137	24.9614	25.1222	24.9778	25.1217	97.2%	25.0001	24.3371
2	14:26:01	25.1740	25.0341	25.0551	25.0528	25.0339	97.3%	25.2430	24.7826
3	14:26:47	24.8123	25.0045	24.8227	24.9695	24.8443	97.0%	24.7569	25.8803
x		25.0000	25.0000	25.0000	25.0000	25.0000	97.1%	25.0000	25.0000
σ		0.1813	0.0366	0.1572	0.0459	0.1418	0.2%	0.2430	0.7942
%RSD		0.7250	0.1462	0.6287	0.1835	0.5671	0.2	0.9721	3.1770
Run	Time	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb	107Ag ppb	109Ag ppb	111Cd ppb
1	14:25:15	25.4763	24.6901	24.9195	25.1294	24.8860	24.8105	24.9265	25.0075
2	14:26:01	24.6417	25.0666	25.0578	24.9005	24.8674	25.0201	24.9587	25.0494
3	14:26:47	24.8820	25.2433	25.0227	24.9701	25.2466	25.1694	25.1148	24.9431
x		25.0000	25.0000	25.0000	25.0000	25.0000	25.0000	25.0000	25.0000
σ		0.4296	0.2826	0.0719	0.1173	0.2138	0.1803	0.1007	0.0535
%RSD		1.7184	1.1303	0.2874	0.4694	0.8552	0.7212	0.4028	0.2141
Run	Time	114Cd ppb	115In ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb	207Pb ppb	208Pb ppb
1	14:25:15	24.8696	98.2%	99.4%	24.8761	25.1163	25.0241	24.9900	25.0338
2	14:26:01	24.8503	98.8%	101.2%	24.9929	24.9146	25.0260	24.9897	24.9327
3	14:26:47	25.2801	97.8%	100.2%	25.1310	24.9691	24.9500	25.0204	25.0336
x		25.0000	98.3%	100.3%	25.0000	25.0000	25.0000	25.0000	25.0000
σ		0.2428	0.5%	0.9%	0.1276	0.1043	0.0433	0.0176	0.0583
%RSD		0.9710	0.5	0.9	0.5104	0.4174	0.1733	0.0706	0.2332

ICV1 6/19/2014 2:29:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:29:03	96.8%	2.4469	9.7427	9.9187	24.3795	24.7727	92.9%	24.5136
2	14:29:48	98.4%	2.5034	9.6174	9.7826	24.3308	24.5840	92.3%	25.0078
3	14:30:34	99.0%	2.3877	9.5802	9.5063	24.3874	24.8006	91.8%	24.8885
x		98.1%	2.4460	9.6468	9.7359	24.3659	24.7191	92.3%	24.8033
σ		1.1%	0.0579	0.0852	0.2101	0.0307	0.1178	0.5%	0.2579
%RSD		1.2	2.3664	0.8827	2.1580	0.1259	0.4767	0.6	1.0397
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:29:03	11.9402	11.9742	24.5536	28.3146	27.6526	94.4%	25.6335	25.6884
2	14:29:48	12.0108	12.0396	25.0090	29.0240	27.8275	94.7%	25.2555	25.3859
3	14:30:34	11.9870	12.0337	24.8075	28.7983	27.6862	94.8%	25.4502	26.2075
x		11.9793	12.0158	24.7901	28.7123	27.7221	94.7%	25.4464	25.7606
σ		0.0359	0.0362	0.2282	0.3624	0.0928	0.2%	0.1890	0.4155
%RSD		0.3000	0.3012	0.9205	1.2623	0.3347	0.2	0.7428	1.6130
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:29:03	24.9717	25.8691	25.0530	25.2864	25.0920	12.4045	12.3562	12.8824
2	14:29:48	25.0754	25.2393	24.9469	24.9383	24.9890	12.3998	12.3678	12.8349
3	14:30:34	25.6134	26.2720	24.8645	25.1540	25.1189	12.2773	12.3700	12.9185
x		25.2202	25.7935	24.9548	25.1262	25.0666	12.3605	12.3647	12.8786
σ		0.3445	0.5205	0.0945	0.1757	0.0686	0.0721	0.0074	0.0420
%RSD		1.3660	2.0178	0.3787	0.6992	0.2736	0.5835	0.0601	0.3258
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:29:03	12.6610	95.4%	100.1%	25.6182	24.7762	24.0577	24.9009	24.4187
2	14:29:48	12.8244	96.5%	101.2%	25.7262	24.9253	24.0426	24.9000	24.5497
3	14:30:34	12.7932	96.3%	100.9%	25.4097	25.0178	24.2147	25.1809	24.6657
x		12.7595	96.1%	100.7%	25.5847	24.9064	24.1050	24.9939	24.5447
σ		0.0867	0.6%	0.6%	0.1609	0.1219	0.0953	0.1619	0.1236
%RSD		0.6796	0.6	0.6	0.6289	0.4893	0.3954	0.6479	0.5034

CCV1 6/19/2014 2:33:11 PM

User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	52Cr ppb	53Cr ppb	59Co ppb	60Ni ppb	61Ni ppb	62Ni ppb
1	14:33:11	96.1%	25.0541	24.8245	25.1498	24.9798	25.1290	91.7%	24.8751
2	14:33:57	96.6%	25.0929	24.4982	24.9341	24.4854	25.0005	91.4%	25.3061
3	14:34:43	99.0%	24.6259	24.7958	25.2373	24.7158	25.2954	90.7%	25.7207
X		97.2%	24.9243	24.7062	25.1070	24.7270	25.1416	91.3%	25.3006
σ		1.5%	0.2591	0.1807	0.1560	0.2474	0.1478	0.5%	0.4228
%RSD		1.6	1.0397	0.7312	0.6215	1.0005	0.5881	0.5	1.6711
Run	Time	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb	71Ga ppb	75As ppb	77Se ppb
1	14:33:11	24.6999	24.8640	25.0259	24.9369	25.0200	92.8%	25.1079	25.6963
2	14:33:57	24.5823	24.8802	24.9972	25.4651	25.0827	93.6%	24.5633	24.8555
3	14:34:43	24.4957	24.9450	24.8829	24.6418	25.2771	93.3%	24.3734	25.6491
X		24.5927	24.8964	24.9687	25.0146	25.1266	93.2%	24.6815	25.4003
σ		0.1025	0.0429	0.0757	0.4171	0.1341	0.4%	0.3813	0.4724
%RSD		0.4167	0.1722	0.3030	1.6675	0.5336	0.4	1.5448	1.8597
Run	Time	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb	107Ag ppb	109Ag ppb	111Cd ppb
1	14:33:11	24.3000	25.7212	24.6720	24.6537	24.9421	24.7797	24.7338	24.7526
2	14:33:57	24.5943	25.5222	24.8812	24.9610	24.8736	24.8104	25.0081	25.0861
3	14:34:43	24.5109	25.1621	24.9013	24.8769	24.9090	25.0010	24.9935	25.2114
X		24.4684	24.8018	24.8181	24.8305	24.9082	24.8637	24.9118	25.0167
σ		0.1517	1.1429	0.1270	0.1588	0.0342	0.1199	0.1543	0.2371
%RSD		0.6198	4.6080	0.5116	0.6397	0.1375	0.4822	0.6194	0.9479
Run	Time	114Cd ppb	115In ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb	207Pb ppb	208Pb ppb
1	14:33:11	24.6639	95.4%	97.8%	25.0096	24.9889	25.0457	24.9233	24.9259
2	14:33:57	24.7626	95.4%	98.6%	25.4038	24.9074	25.1690	25.0316	25.0860
3	14:34:43	24.8520	95.2%	99.8%	25.4738	24.8627	24.7740	24.6300	24.7006
X		24.7595	95.3%	98.7%	25.2957	24.9197	24.9962	24.8617	24.9042
σ		0.0941	0.1%	1.0%	0.2502	0.0640	0.2021	0.2078	0.1936
%RSD		0.3802	0.2	1.0	0.9893	0.2568	0.8087	0.8358	0.7775

ICB1 6/19/2014 2:41:09 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:41:09	94.0%	0.0001	-0.0143	-0.4904	-0.0003	0.0184	91.3%	-0.1508
2	14:41:55	94.9%	0.0037	-0.0323	-0.5451	0.0048	-0.0018	92.5%	-0.2524
3	14:42:41	96.1%	0.0006	0.0901	-0.0406	0.0053	0.0464	96.3%	-0.0296
x		95.0%	0.0015	0.0145	-0.3587	0.0033	0.0210	93.4%	-0.1443
σ		1.1%	0.0020	0.0661	0.2768	0.0031	0.0242	2.6%	0.1116
%RSD		1.1	132.5999	455.1497	77.1691	94.8947	115.3090	2.8	77.3210
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:41:09	-0.0094	-0.0079	0.0089	-0.0545	0.0129	92.1%	0.0490	-0.1442
2	14:41:55	-0.0071	0.0121	-0.0074	-0.1030	0.0089	93.3%	-0.1554	0.5248
3	14:42:41	-0.0018	0.0051	0.0082	-0.0808	0.0019	89.9%	0.0371	0.4345
x		-0.0061	0.0031	0.0032	-0.0795	0.0079	91.8%	-0.0231	0.2717
σ		0.0039	0.0102	0.0092	0.0243	0.0056	1.7%	0.1147	0.3630
%RSD		64.5707	328.9425	287.0870	30.5692	70.3840	1.9	496.4915	133.6090
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:41:09	-0.4284	0.1538	0.0094	0.0248	0.0352	0.0259	0.0311	0.0113
2	14:41:55	-0.5551	-0.0893	0.0385	0.0298	0.0324	0.0365	0.0461	0.0037
3	14:42:41	-0.2715	-0.0639	0.0127	0.0461	0.0370	0.0409	0.0330	0.0117
x		-0.4184	0.0002	0.0202	0.0336	0.0349	0.0345	0.0367	0.0089
σ		0.1421	0.1336	0.0159	0.0111	0.0023	0.0077	0.0082	0.0045
%RSD		33.9624	59813.7250	78.8119	33.1979	6.7178	22.3868	22.3564	50.9694
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:41:09	0.0019	93.0%	96.8%	0.0011	0.0006	0.0004	-0.0028	-0.0006
2	14:41:55	-0.0007	94.3%	98.4%	0.0020	0.0005	0.0027	-0.0046	-0.0004
3	14:42:41	0.0008	91.2%	94.3%	0.0004	0.0012	0.0009	0.0018	0.0007
x		0.0007	92.8%	96.5%	0.0012	0.0008	0.0013	-0.0019	-0.0001
σ		0.0013	1.6%	2.1%	0.0008	0.0004	0.0012	0.0033	0.0007
%RSD		196.8914	1.7	2.1	68.2377	48.0859	91.8169	177.0177	632.5063

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	52Cr ppb	53Cr ppb	59Co ppb	60Ni ppb	61Ni ppb	62Ni ppb
1	14:46:03	94.7%	0.0056	-0.0096	-0.3063	0.0031	-0.2779	91.3%	-0.3977
2	14:46:49	96.8%	0.0018	-0.0482	-0.6867	0.0060	-0.0135	91.3%	0.3943
3	14:47:35	97.3%	0.0018	-0.0382	-0.5282	0.0043	-0.1388	91.2%	-0.0145
x		96.3%	0.0031	-0.0320	-0.5071	0.0045	-0.1434	91.3%	-0.0060
σ		1.4%	0.0022	0.0200	0.1911	0.0015	0.1322	0.0%	0.3961
%RSD		1.5	70.4076	62.6317	37.6844	33.2625	92.2092	0.0	6635.6481
Run	Time	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb	71Ga ppb	75As ppb	77Se ppb
1	14:46:03	-0.0063	0.0030	0.0091	-0.0871	0.0036	91.0%	-0.1058	0.4243
2	14:46:49	-0.0061	0.0060	-0.0172	-0.0065	0.0018	93.5%	0.0572	0.0518
3	14:47:35	-0.0061	0.0046	0.0051	-0.0844	-0.0080	92.8%	-0.0146	0.2185
x		-0.0062	0.0045	-0.0010	-0.0593	-0.0009	92.5%	-0.0211	0.2315
σ		0.0001	0.0015	0.0142	0.0458	0.0062	1.3%	0.0817	0.1866
%RSD		2.3381	33.4506	1392.3776	77.2152	690.5881	1.4	387.7643	80.6008
Run	Time	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb	107Ag ppb	109Ag ppb	111Cd ppb
1	14:46:03	-0.5257	0.0051	-0.0144	0.0021	0.0136	-0.0132	-0.0013	0.0012
2	14:46:49	-0.5100	0.0244	-0.0123	0.0114	0.0212	-0.0007	0.0024	0.0196
3	14:47:35	-0.6762	0.1862	-0.0191	0.0269	0.0193	-0.0023	0.0068	0.0123
x		-0.5706	0.0719	-0.0153	0.0135	0.0180	-0.0054	0.0027	0.0110
σ		0.0918	0.0994	0.0035	0.0125	0.0040	0.0068	0.0041	0.0093
%RSD		16.0815	138.2503	22.9324	92.9559	22.0423	125.1179	152.6290	84.3259
Run	Time	114Cd ppb	115In ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb	207Pb ppb	208Pb ppb
1	14:46:03	0.0052	92.6%	96.4%	0.0015	0.0023	0.0043	-0.0006	0.0166
2	14:46:49	0.0024	93.9%	98.2%	0.0045	0.0017	0.0057	-0.0005	0.0027
3	14:47:35	0.0035	94.1%	97.9%	0.0031	0.0030	0.0075	0.0039	0.0035
x		0.0037	93.6%	97.5%	0.0031	0.0023	0.0058	0.0009	0.0076
σ		0.0014	0.8%	1.0%	0.0015	0.0006	0.0016	0.0026	0.0078
%RSD		38.3358	0.9	1.0	48.2572	26.4894	27.2056	274.2960	102.6318

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	52Cr ppb	53Cr ppb	59Co ppb	60Ni ppb	61Ni ppb	62Ni ppb
1	14:51:09	94.6%	0.2061	1.8883	1.3264	0.1995	2.2112	87.1%	1.8786
2	14:51:55	95.4%	0.2042	2.1066	1.6667	0.2143	2.1076	90.6%	1.9054
3	14:52:41	97.9%	0.1984	1.8802	1.0621	0.2169	2.1399	88.3%	2.8097
x		96.0%	0.2029	1.9584	1.3517	0.2102	2.1529	88.6%	2.1979
σ		1.7%	0.0040	0.1284	0.3031	0.0094	0.0530	1.8%	0.5300
%RSD		1.8	1.9827	6.5567	22.4224	4.4531	2.4627	2.0	24.1134
Run	Time	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb	71Ga ppb	75As ppb	77Se ppb
1	14:51:09	0.9835	1.0209	4.9980	4.7757	4.7656	90.5%	4.9006	9.6399
2	14:51:55	1.0578	1.0704	5.2231	4.7284	4.9154	88.8%	5.4024	9.9519
3	14:52:41	0.9944	0.9737	4.9221	4.6839	4.7327	92.3%	5.1376	9.3447
x		1.0119	1.0217	5.0477	4.7293	4.8046	90.5%	5.1468	9.6455
σ		0.0401	0.0484	0.1566	0.0459	0.0974	1.8%	0.2510	0.3037
%RSD		3.9630	4.7350	3.1017	0.9709	2.0265	1.9	4.8774	3.1481
Run	Time	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb	107Ag ppb	109Ag ppb	111Cd ppb
1	14:51:09	9.2922	9.2705	0.4421	0.4779	0.4936	0.1429	0.1314	0.2090
2	14:51:55	9.6392	10.4913	0.4823	0.5237	0.5238	0.1577	0.1602	0.2144
3	14:52:41	8.8503	9.6374	0.4924	0.4561	0.5077	0.1703	0.1647	0.1959
x		9.2606	9.7998	0.4723	0.4859	0.5084	0.1569	0.1521	0.2064
σ		0.3954	0.6264	0.0266	0.0345	0.0151	0.0137	0.0181	0.0095
%RSD		4.2697	6.3919	5.6376	7.1032	2.9671	8.7400	11.8946	4.6011
Run	Time	114Cd ppb	115In ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb	207Pb ppb	208Pb ppb
1	14:51:09	0.2121	91.9%	96.6%	0.2034	0.2041	0.2232	0.2186	0.2164
2	14:51:55	0.2232	90.5%	94.5%	0.2227	0.2095	0.2319	0.2377	0.2300
3	14:52:41	0.2112	93.3%	98.1%	0.2084	0.1996	0.2121	0.2191	0.2143
x		0.2155	91.9%	96.4%	0.2115	0.2044	0.2224	0.2251	0.2202
σ		0.0067	1.4%	1.8%	0.0101	0.0050	0.0100	0.0109	0.0085
%RSD		3.1105	1.5	1.9	4.7547	2.4312	4.4786	4.8305	3.8602

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	52Cr ppb	53Cr ppb	59Co ppb	60Ni ppb	61Ni ppb	62Ni ppb
1	14:55:57	83.1%	0.0485	1.0988	1.4678	1.0686	1.4752	81.5%	2.2986
2	14:56:43	84.7%	0.0476	1.1318	1.3776	1.0926	1.5829	82.8%	1.7376
3	14:57:29	85.6%	0.0525	1.0934	1.4668	1.0721	1.3283	84.0%	1.9470
x		84.5%	0.0495	1.1080	1.4374	1.0778	1.4621	82.8%	1.9944
σ		1.3%	0.0026	0.0208	0.0518	0.0130	0.1278	1.3%	0.2835
%RSD		1.5	5.2385	1.8781	3.6022	1.2058	8.7398	1.5	14.2138
Run	Time	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb	71Ga ppb	75As ppb	77Se ppb
1	14:55:57	0.5460	0.5584	1.5412	1.9420	1.3379	84.8%	0.0528	1.6681
2	14:56:43	0.5545	0.5393	1.5580	1.9720	1.3537	85.6%	0.0892	1.2946
3	14:57:29	0.5480	0.5448	1.5210	1.9630	1.3966	86.1%	-0.1168	1.7210
x		0.5495	0.5475	1.5401	1.9590	1.3627	85.5%	0.0084	1.5612
σ		0.0044	0.0099	0.0185	0.0154	0.0304	0.6%	0.1100	0.2324
%RSD		0.8063	1.8044	1.2024	0.7857	2.2310	0.7	1310.0940	14.8888
Run	Time	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb	107Ag ppb	109Ag ppb	111Cd ppb
1	14:55:57	-0.2129	-0.1911	52.8415	52.6369	52.5930	0.0206	0.0215	0.2364
2	14:56:43	-0.3003	-0.3723	53.2361	54.0325	53.6311	0.0224	0.0237	0.2535
3	14:57:29	-0.4996	-0.6460	53.0798	53.2076	53.3428	0.0257	0.0158	0.2679
x		-0.3376	-0.4031	53.0524	53.2923	53.1890	0.0229	0.0204	0.2526
σ		0.1469	0.2290	0.1987	0.7017	0.5359	0.0026	0.0041	0.0158
%RSD		43.5258	56.8175	0.3746	1.3166	1.0075	11.2330	20.0340	6.2435
Run	Time	114Cd ppb	115In ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb	207Pb ppb	208Pb ppb
1	14:55:57	0.1857	87.6%	92.3%	0.0190	0.0177	0.0807	0.0739	0.0755
2	14:56:43	0.1834	88.0%	93.7%	0.0170	0.0169	0.0810	0.0724	0.0768
3	14:57:29	0.1886	88.8%	93.1%	0.0185	0.0182	0.0786	0.0734	0.0761
x		0.1859	88.1%	93.0%	0.0182	0.0176	0.0801	0.0732	0.0761
σ		0.0026	0.6%	0.7%	0.0010	0.0006	0.0013	0.0008	0.0007
%RSD		1.4089	0.7	0.8	5.7303	3.5921	1.6418	1.0758	0.8977

ICSAB 6/19/2014 3:00:30 PM

User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	52Cr ppb	53Cr ppb	59Co ppb	60Ni ppb	61Ni ppb	62Ni ppb
1	15:00:30	84.8%	0.0359	52.3609	51.4733	51.5407	50.5441	84.4%	52.0895
2	15:01:15	85.4%	0.0370	52.8733	52.4015	51.6463	50.4849	85.8%	50.8291
3	15:02:01	86.9%	0.0283	52.3601	51.9321	51.8864	50.2948	85.6%	51.0591
x		85.7%	0.0337	52.5315	51.9356	51.6911	50.4413	85.3%	51.3259
σ		1.1%	0.0047	0.2961	0.4641	0.1772	0.1303	0.7%	0.6712
%RSD		1.2	14.0122	0.5636	0.8937	0.3428	0.2582	0.8	1.3078
Run	Time	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb	71Ga ppb	75As ppb	77Se ppb
1	15:00:30	48.0449	48.6279	25.9744	25.2401	25.0617	85.9%	25.4878	26.0943
2	15:01:15	48.2865	48.7724	26.0341	25.0999	24.7356	86.3%	25.5110	27.3050
3	15:02:01	48.4678	49.1295	26.4452	25.8431	25.0713	86.1%	25.5592	26.2282
x		48.2664	48.8432	26.1512	25.3943	24.9562	86.1%	25.5193	26.5425
σ		0.2121	0.2582	0.2563	0.3949	0.1911	0.2%	0.0365	0.6637
%RSD		0.4395	0.5287	0.9801	1.5551	0.7657	0.2	0.1429	2.5005
Run	Time	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb	107Ag ppb	109Ag ppb	111Cd ppb
1	15:00:30	24.4471	23.6476	53.5155	53.5943	53.5704	12.0693	11.9933	25.1051
2	15:01:15	24.7387	24.2984	53.3351	53.6285	53.6158	12.1074	12.2314	25.3044
3	15:02:01	24.8486	24.7380	53.5023	53.9654	53.7103	12.2261	12.2895	25.1336
x		24.6781	24.2280	53.4510	53.7294	53.6321	12.1343	12.1714	25.1810
σ		0.2075	0.5486	0.1006	0.2051	0.0714	0.0818	0.1570	0.1078
%RSD		0.8409	2.2642	0.1882	0.3817	0.1331	0.6739	1.2896	0.4280
Run	Time	114Cd ppb	115In ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb	207Pb ppb	208Pb ppb
1	15:00:30	24.9817	88.0%	91.9%	0.0118	0.0120	0.0722	0.0752	0.0720
2	15:01:15	24.9907	88.9%	93.0%	0.0157	0.0112	0.0728	0.0705	0.0690
3	15:02:01	24.8173	88.7%	92.7%	0.0133	0.0115	0.0671	0.0736	0.0708
x		24.9299	88.5%	92.5%	0.0136	0.0116	0.0707	0.0731	0.0706
σ		0.0976	0.5%	0.6%	0.0020	0.0004	0.0031	0.0024	0.0015
%RSD		0.3916	0.6	0.6	14.6775	3.1333	4.4053	3.3304	2.1068

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:06:52	90.2%	0.0150	-0.2349	-1.5267	-0.0028	-0.1118	38.9%	1.0075
2	15:07:38	93.3%	0.0101	-0.2244	-0.9239	-0.0017	0.0031	39.3%	1.5155
3	15:08:23	93.2%	0.0082	-0.2368	-0.5038	-0.0038	0.3173	39.5%	1.2442
x		92.2%	0.0111	-0.2320	-0.9848	-0.0028	0.0695	39.2%	1.2557
σ		1.8%	0.0035	0.0067	0.5142	0.0011	0.2221	0.3%	0.2542
%RSD		1.9	31.5858	2.8810	52.2145	38.8596	319.4465	0.8	20.2442
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:06:52	0.1051	0.0364	0.7053	0.5812	0.7118	91.5%	-0.0264	-1.5364
2	15:07:38	0.1141	0.0436	0.7327	0.5774	0.6891	93.7%	-0.0359	-1.2940
3	15:08:23	0.1068	0.0391	0.7099	0.5562	0.6952	94.1%	0.0460	-1.3197
x		0.1087	0.0397	0.7160	0.5716	0.6987	93.1%	-0.0054	-1.3834
σ		0.0048	0.0036	0.0147	0.0135	0.0118	1.4%	0.0448	0.1332
%RSD		4.4047	9.1394	2.0531	2.3532	1.6834	1.5	823.3776	9.6256
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:06:52	-0.3221	-0.1315	0.0462	0.0465	0.0517	-0.0119	-0.0143	0.0083
2	15:07:38	-0.1121	0.0110	0.0241	0.0534	0.0572	-0.0086	-0.0104	0.0075
3	15:08:23	-0.4524	0.1368	0.0185	0.0343	0.0498	-0.0223	-0.0143	0.0031
x		-0.2955	0.0054	0.0296	0.0447	0.0529	-0.0143	-0.0130	0.0063
σ		0.1717	0.1342	0.0146	0.0097	0.0038	0.0071	0.0022	0.0028
%RSD		58.1000	2479.7730	49.4209	21.6289	7.2747	49.8362	17.2441	44.8896
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:06:52	-0.0028	92.7%	96.6%	-0.0032	-0.0011	-0.0029	-0.0016	-0.0035
2	15:07:38	0.0017	95.2%	98.6%	-0.0002	-0.0010	-0.0021	-0.0032	-0.0040
3	15:08:23	-0.0038	96.0%	98.6%	-0.0015	-0.0019	-0.0033	-0.0051	-0.0036
x		-0.0016	94.7%	97.9%	-0.0016	-0.0013	-0.0028	-0.0033	-0.0037
σ		0.0029	1.7%	1.2%	0.0015	0.0005	0.0006	0.0017	0.0002
%RSD		179.6898	1.8	1.2	91.7463	37.5179	23.3095	52.5289	6.4404

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:31	91.7%	13.7530	19.3838	17.9729	18.5910	20.2858	84.1%	20.8392
2	15:12:17	91.3%	13.9873	20.0395	18.9882	19.1063	20.5114	85.2%	20.8146
3	15:13:03	92.1%	13.9943	19.2947	17.8868	18.5151	20.0398	84.1%	20.6511
x		91.7%	13.9115	19.5727	18.2826	18.7375	20.2790	84.5%	20.7683
σ		0.4%	0.1373	0.4068	0.6126	0.3216	0.2359	0.6%	0.1022
%RSD		0.4	0.9873	2.0782	3.3505	1.7166	1.1630	0.8	0.4923
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:31	18.8314	19.1405	21.7519	21.6331	21.7056	91.8%	19.2565	17.9589
2	15:12:17	19.5766	19.7783	22.5298	22.2262	22.2991	90.4%	19.8218	18.8261
3	15:13:03	19.1010	19.2715	21.8939	21.2670	21.6070	91.5%	19.4409	17.7787
x		19.1697	19.3968	22.0585	21.7088	21.8706	91.2%	19.5064	18.1879
σ		0.3773	0.3368	0.4143	0.4840	0.3743	0.7%	0.2883	0.5600
%RSD		1.9682	1.7366	1.8781	2.2297	1.7116	0.8	1.4779	3.0789
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:31	19.1663	18.9800	2.7907	2.7647	2.7783	18.4128	18.5783	19.5764
2	15:12:17	19.1841	19.2157	2.9356	2.8817	2.9864	19.3412	19.5208	20.3968
3	15:13:03	18.7161	19.4060	2.7411	2.8584	2.8151	18.7409	18.6669	19.5044
x		19.0222	19.2006	2.8225	2.8349	2.8599	18.8316	18.9220	19.8259
σ		0.2652	0.2134	0.1011	0.0619	0.1111	0.4708	0.5204	0.4957
%RSD		1.3942	1.1114	3.5808	2.1851	3.8832	2.5001	2.7505	2.5005
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:11:31	19.2541	93.2%	97.1%	19.3107	18.9883	19.4837	19.3298	19.3182
2	15:12:17	20.2448	91.7%	96.8%	20.4623	19.7512	20.0906	19.9609	19.9047
3	15:13:03	19.2615	93.7%	99.0%	19.5453	18.8902	19.2002	19.1031	19.1390
x		19.5868	92.9%	97.6%	19.7728	19.2099	19.5915	19.4646	19.4540
σ		0.5699	1.0%	1.2%	0.6086	0.4714	0.4549	0.4445	0.4005
%RSD		2.9094	1.1	1.2	3.0779	2.4538	2.3218	2.2836	2.0585

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:18:30	83.4%	0.0742	3.0425	2.7491	0.6943	3.4492	73.5%	4.1558
2	15:19:16	84.8%	0.0510	3.0144	3.7070	0.6993	3.6444	74.7%	4.8055
3	15:20:02	87.6%	0.0480	3.0259	3.2850	0.6762	3.3744	75.9%	4.7607
x		85.2%	0.0577	3.0276	3.2471	0.6899	3.4893	74.7%	4.5740
σ		2.2%	0.0143	0.0141	0.4801	0.0121	0.1394	1.2%	0.3629
%RSD		2.5	24.8616	0.4670	14.7850	1.7594	3.9956	1.6	7.9335
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:18:30	3.1825	2.4517	7.0085	7.5797	7.2175	85.1%	189.9321	0.9746
2	15:19:16	3.2451	2.4371	6.9894	7.7132	7.2456	87.4%	189.3214	1.1043
3	15:20:02	3.2547	2.4002	6.9928	8.0082	7.1718	88.4%	188.7269	1.5810
x		3.2274	2.4297	6.9969	7.7670	7.2116	87.0%	189.3268	1.2199
σ		0.0392	0.0266	0.0102	0.2193	0.0373	1.7%	0.6026	0.3193
%RSD		1.2154	1.0934	0.1452	2.8232	0.5169	2.0	0.3183	26.1725
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:18:30	0.6130	1.4455	23.8242	23.9713	23.6854	0.0358	0.0426	0.0808
2	15:19:16	0.5068	1.5129	23.7456	23.6428	23.7569	0.0351	0.0321	0.0985
3	15:20:02	0.9654	1.2628	23.8452	24.0268	23.9556	0.0296	0.0389	0.1171
x		0.6951	1.4071	23.8050	23.8803	23.7993	0.0335	0.0379	0.0988
σ		0.2401	0.1294	0.0525	0.2076	0.1400	0.0034	0.0053	0.0182
%RSD		34.5385	9.1961	0.2207	0.8692	0.5882	10.0251	14.0702	18.3741
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:18:30	0.0571	86.6%	93.7%	0.0328	0.0298	2.5367	2.5267	2.4970
2	15:19:16	0.0552	88.9%	94.9%	0.0277	0.0260	2.5716	2.4808	2.5056
3	15:20:02	0.0591	89.5%	94.9%	0.0243	0.0222	2.5490	2.5182	2.5205
x		0.0571	88.3%	94.5%	0.0283	0.0260	2.5524	2.5086	2.5077
σ		0.0019	1.6%	0.7%	0.0043	0.0038	0.0177	0.0244	0.0119
%RSD		3.3416	1.8	0.7	15.1616	14.5567	0.6922	0.9739	0.4730

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6/19/2014 3:23:17 PM

User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	52Cr ppb	53Cr ppb	59Co ppb	60Ni ppb	61Ni ppb	62Ni ppb
1	15:23:17	85.1%	0.0494	3.1603	3.6769	0.6471	3.8398	77.5%	4.7971
2	15:24:03	85.1%	0.0808	3.1396	3.7984	0.6293	3.7884	78.5%	4.7710
3	15:24:48	87.3%	0.0834	3.0902	3.9674	0.6276	3.8543	78.5%	5.1080
x		85.9%	0.0712	3.1301	3.8142	0.6347	3.8275	78.2%	4.8920
σ		1.3%	0.0189	0.0360	0.1459	0.0108	0.0346	0.6%	0.1875
%RSD		1.5	26.5864	1.1505	3.8261	1.6962	0.9041	0.7	3.8326
Run	Time	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb	71Ga ppb	75As ppb	77Se ppb
1	15:23:17	3.3119	2.4717	6.4551	7.1469	6.3891	87.7%	196.3352	1.1738
2	15:24:03	3.2826	2.5319	6.2809	7.0874	6.4109	89.2%	195.5180	1.7973
3	15:24:48	3.2948	2.5298	6.3660	7.0443	6.4980	89.4%	195.2675	1.1754
x		3.2964	2.5111	6.3673	7.0929	6.4327	88.8%	195.7069	1.3822
σ		0.0148	0.0342	0.0871	0.0515	0.0576	1.0%	0.5583	0.3595
%RSD		0.4477	1.3614	1.3683	0.7267	0.8951	1.1	0.2853	26.0113
Run	Time	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb	107Ag ppb	109Ag ppb	111Cd ppb
1	15:23:17	1.3681	1.3806	24.8188	24.7995	24.8226	0.0125	0.0074	0.1107
2	15:24:03	0.7031	1.6082	24.7837	24.8160	24.6054	0.0103	0.0124	0.1028
3	15:24:48	0.9247	1.1085	24.5340	24.8073	24.6003	0.0120	0.0109	0.1070
x		0.9986	1.3658	24.7122	24.8076	24.6761	0.0116	0.0102	0.1068
σ		0.3386	0.2502	0.1553	0.0083	0.1269	0.0012	0.0026	0.0039
%RSD		33.9085	18.3193	0.6285	0.0334	0.5142	10.2003	25.0585	3.6930
Run	Time	114Cd ppb	115In ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb	207Pb ppb	208Pb ppb
1	15:23:17	0.0564	88.9%	94.3%	0.0109	0.0131	2.6020	2.5502	2.5625
2	15:24:03	0.0516	90.7%	95.8%	0.0119	0.0100	2.5793	2.5314	2.5441
3	15:24:48	0.0541	90.9%	94.5%	0.0117	0.0109	2.6421	2.5880	2.5937
x		0.0540	90.2%	94.9%	0.0115	0.0113	2.6078	2.5565	2.5668
σ		0.0024	1.1%	0.8%	0.0005	0.0016	0.0318	0.0288	0.0251
%RSD		4.4376	1.2	0.9	4.5634	14.1875	1.2199	1.1285	0.9768

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:44	90.6%	0.0136	0.5617	0.1094	0.1410	0.7625	85.3%	1.1917
2	15:28:30	92.6%	0.0126	0.5581	0.3396	0.1496	0.8296	85.6%	1.1134
3	15:29:16	93.3%	0.0132	0.5425	0.5199	0.1452	0.7152	85.0%	0.8624
x		92.2%	0.0131	0.5541	0.3230	0.1453	0.7691	85.3%	1.0558
σ		1.4%	0.0005	0.0102	0.2057	0.0043	0.0575	0.3%	0.1720
%RSD		1.5	3.6164	1.8443	63.6966	2.9635	7.4712	0.4	16.2910
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:44	0.6839	0.5381	1.5637	1.7588	1.6424	90.5%	37.9890	-0.5440
2	15:28:30	0.6816	0.5314	1.6095	1.6563	1.7023	90.8%	38.6775	0.1421
3	15:29:16	0.6849	0.5323	1.6136	1.6725	1.6084	91.0%	37.8197	-0.1597
x		0.6835	0.5339	1.5956	1.6959	1.6510	90.7%	38.1621	-0.1872
σ		0.0017	0.0036	0.0277	0.0551	0.0476	0.3%	0.4543	0.3439
%RSD		0.2429	0.6794	1.7354	3.2473	2.8801	0.3	1.1905	183.6826
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:44	-0.2139	0.2606	4.7938	4.8175	4.7354	-0.0459	-0.0420	0.0137
2	15:28:30	-0.2339	0.3973	4.7552	4.7968	4.8371	-0.0369	-0.0372	0.0234
3	15:29:16	0.2126	0.2590	4.7623	4.8038	4.7517	-0.0428	-0.0387	0.0262
x		-0.0784	0.3056	4.7704	4.8060	4.7747	-0.0419	-0.0393	0.0211
σ		0.2522	0.0794	0.0205	0.0105	0.0546	0.0046	0.0024	0.0066
%RSD		321.6720	25.9709	0.4306	0.2192	1.1443	10.8970	6.2020	31.2752
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:27:44	0.0032	92.3%	95.8%	0.0061	0.0044	0.5220	0.5023	0.5111
2	15:28:30	0.0051	92.1%	96.9%	0.0066	0.0055	0.5209	0.5128	0.5149
3	15:29:16	0.0071	92.4%	97.4%	0.0060	0.0047	0.5106	0.5008	0.5021
x		0.0052	92.3%	96.7%	0.0063	0.0049	0.5178	0.5053	0.5094
σ		0.0020	0.2%	0.8%	0.0003	0.0006	0.0063	0.0066	0.0066
%RSD		38.2645	0.2	0.9	5.0190	11.5823	1.2157	1.2992	1.2955

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:48	89.2%	48.5384	49.2112	48.5947	47.0801	57.6936	74.0%	59.6875
2	15:32:34	86.7%	52.2887	52.6644	53.1901	50.6324	57.8781	77.6%	59.9696
3	15:33:20	88.0%	51.4608	51.7216	52.0893	49.3507	57.6108	77.2%	60.0303
x		88.0%	50.7626	51.1990	51.2914	49.0210	57.7275	76.3%	59.8958
σ		1.3%	1.9702	1.7849	2.3994	1.7989	0.1369	2.0%	0.1829
%RSD		1.4	3.8812	3.4862	4.6779	3.6697	0.2371	2.6	0.3054
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:48	47.4452	46.9530	52.2678	51.7867	52.0966	90.4%	225.4661	47.2213
2	15:32:34	50.4375	50.4332	55.9819	57.2423	55.9885	88.6%	241.4468	51.9808
3	15:33:20	49.6592	48.8503	54.7587	54.5546	54.6854	90.1%	237.8305	49.5293
x		49.1806	48.7455	54.3361	54.5279	54.2568	89.7%	234.9144	49.5771
σ		1.5525	1.7425	1.8928	2.7279	1.9810	1.0%	8.3799	2.3801
%RSD		3.1567	3.5746	3.4835	5.0027	3.6512	1.1	3.5672	4.8008
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:48	46.6717	48.6597	69.0945	68.8793	68.9899	15.9074	15.9120	45.2293
2	15:32:34	50.8903	51.1400	73.9294	74.1564	73.7122	17.1111	16.8749	48.6419
3	15:33:20	48.5352	50.0800	72.2415	72.6786	72.5854	16.6255	16.6591	47.8790
x		48.6990	49.9599	71.7552	71.9048	71.7625	16.5480	16.4820	47.2501
σ		2.1141	1.2445	2.4539	2.7224	2.4663	0.6056	0.5053	1.7911
%RSD		4.3411	2.4910	3.4198	3.7861	3.4368	3.6595	3.0657	3.7906
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:48	46.4978	92.7%	95.7%	44.8521	44.8612	46.7607	46.4056	46.7347
2	15:32:34	49.9515	91.6%	94.4%	48.2730	48.4939	50.0468	49.7650	50.1927
3	15:33:20	48.8854	92.8%	95.4%	47.1427	47.0764	49.0889	48.6254	48.8174
x		48.4449	92.3%	95.2%	46.7559	46.8105	48.6322	48.2653	48.5816
σ		1.7685	0.7%	0.7%	1.7429	1.8309	1.6900	1.7084	1.7410
%RSD		3.6505	0.7	0.7	3.7277	3.9114	3.4750	3.5395	3.5837

K1405818-0025 6/19/2014 3:38:06 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:38:06	84.4%	18.3799	21.6212	21.6125	18.8243	23.9511	76.0%	24.8862
2	15:38:52	85.0%	18.5655	21.5944	21.8523	18.8869	23.5169	77.0%	24.9848
3	15:39:38	88.5%	18.1982	21.4004	21.6698	18.6949	23.6667	77.5%	25.3561
x		86.0%	18.3812	21.5387	21.7115	18.8020	23.7116	76.8%	25.0757
σ		2.3%	0.1836	0.1205	0.1252	0.0979	0.2205	0.7%	0.2478
%RSD		2.6	0.9990	0.5594	0.5767	0.5209	0.9301	0.9	0.9881
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:38:06	20.9869	20.5454	24.6006	24.4744	24.3707	86.4%	207.7053	19.4129
2	15:38:52	20.9818	20.2931	24.7705	24.4054	24.2719	87.4%	207.6318	19.0744
3	15:39:38	20.9305	20.1293	24.5066	24.2866	23.8327	88.2%	205.1195	19.0897
x		20.9664	20.3226	24.6259	24.3888	24.1584	87.3%	206.8189	19.1923
σ		0.0312	0.2096	0.1338	0.0950	0.2864	0.9%	1.4722	0.1911
%RSD		0.1489	1.0314	0.5432	0.3895	1.1854	1.1	0.7118	0.9960
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:38:06	19.3522	19.7690	28.4059	28.9243	28.8207	17.1546	17.2655	18.5437
2	15:38:52	19.0666	19.6633	28.7976	28.8458	28.6728	17.3678	17.5501	18.5959
3	15:39:38	19.1210	18.8848	28.3719	28.7453	28.6113	17.3633	17.3472	18.3322
x		19.1799	19.4390	28.5251	28.8385	28.7016	17.2952	17.3876	18.4906
σ		0.1517	0.4829	0.2366	0.0897	0.1076	0.1218	0.1465	0.1396
%RSD		0.7907	2.4840	0.8294	0.3111	0.3748	0.7042	0.8428	0.7552
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:38:06	18.2941	87.2%	91.4%	17.9011	17.2869	20.8439	20.6660	20.6949
2	15:38:52	18.3233	88.4%	93.2%	18.0230	17.2327	20.6573	20.3479	20.5557
3	15:39:38	17.9023	88.9%	93.0%	17.8776	17.3667	20.7249	20.3688	20.4574
x		18.1732	88.1%	92.5%	17.9339	17.2954	20.7420	20.4609	20.5693
σ		0.2351	0.9%	0.9%	0.0781	0.0674	0.0945	0.1779	0.1194
%RSD		1.2934	1.0	1.0	0.4353	0.3898	0.4555	0.8695	0.5803

K1405818-002SD 6/19/2014 3:44:53 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:53	85.5%	17.7610	20.7272	21.5335	18.1213	23.8150	73.3%	24.9676
2	15:45:39	86.9%	17.8372	20.9765	21.3129	18.2356	23.4856	75.1%	24.7064
3	15:46:25	88.3%	17.6500	20.7236	21.0980	18.0959	23.9804	74.9%	25.7154
x		86.9%	17.7494	20.8091	21.3148	18.1509	23.7603	74.4%	25.1298
σ		1.4%	0.0941	0.1450	0.2177	0.0744	0.2519	1.0%	0.5237
%RSD		1.7	0.5304	0.6969	1.0216	0.4098	1.0602	1.3	2.0840
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:53	20.3042	19.6334	24.2703	24.1475	23.6644	86.5%	196.8483	18.6072
2	15:45:39	20.5881	19.6548	24.2528	24.0129	23.7449	87.1%	198.8966	18.9415
3	15:46:25	20.2087	19.8108	24.2944	23.9919	23.4646	88.4%	197.3458	19.0513
x		20.3670	19.6997	24.2725	24.0507	23.6247	87.3%	197.6969	18.8666
σ		0.1974	0.0968	0.0209	0.0844	0.1443	1.0%	1.0683	0.2313
%RSD		0.9690	0.4915	0.0862	0.3510	0.6109	1.1	0.5404	1.2260
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:53	18.5405	18.6963	28.4886	28.5908	28.3397	16.6856	16.7714	17.7947
2	15:45:39	19.1681	19.4276	28.1748	28.2642	28.1989	16.5609	16.6551	17.7693
3	15:46:25	18.8511	19.3485	28.3287	28.4290	28.7020	16.8103	16.7716	17.7354
x		18.8533	19.1575	28.3307	28.4280	28.4136	16.6856	16.7327	17.7665
σ		0.3138	0.4013	0.1569	0.1633	0.2595	0.1247	0.0672	0.0297
%RSD		1.6645	2.0948	0.5539	0.5745	0.9135	0.7472	0.4014	0.1673
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:53	17.5494	86.6%	91.8%	17.5661	16.6882	19.9058	19.6799	19.6992
2	15:45:39	17.5855	88.9%	93.3%	17.2888	16.7621	19.7786	19.7245	19.6584
3	15:46:25	17.7083	89.0%	93.6%	17.2379	16.8106	19.8504	19.4322	19.6007
x		17.6144	88.2%	92.9%	17.3642	16.7536	19.8449	19.6122	19.6528
σ		0.0833	1.3%	0.9%	0.1766	0.0616	0.0638	0.1575	0.0495
%RSD		0.4729	1.5	1.0	1.0172	0.3679	0.3214	0.8029	0.2518

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	52Cr ppb	53Cr ppb	59Co ppb	60Ni ppb	61Ni ppb	62Ni ppb
1	15:51:35	89.5%	26.6809	26.5323	25.7157	26.4667	25.0801	90.7%	25.6709
2	15:52:21	92.8%	25.6565	25.6933	25.2206	25.6774	25.2245	90.0%	25.6120
3	15:53:07	93.7%	25.2762	24.9886	23.7273	25.1539	25.3512	88.5%	25.3107
x		92.0%	25.8712	25.7381	24.8879	25.7660	25.2186	89.7%	25.5312
σ		2.2%	0.7266	0.7728	1.0351	0.6609	0.1356	1.1%	0.1932
%RSD		2.4	2.8084	3.0026	4.1590	2.5649	0.5378	1.2	0.7567
Run	Time	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb	71Ga ppb	75As ppb	77Se ppb
1	15:51:35	26.4342	26.4128	26.2889	26.7950	26.2959	86.5%	26.1079	26.0014
2	15:52:21	25.5453	25.8170	25.6554	25.8179	25.2388	88.4%	25.9208	24.9537
3	15:53:07	24.9634	25.0680	25.2786	25.0832	24.8678	89.1%	24.7343	25.1877
x		25.6476	25.7659	25.7409	25.8987	25.4675	88.0%	25.5877	25.3809
σ		0.7407	0.6738	0.5106	0.8587	0.7410	1.4%	0.7449	0.5499
%RSD		2.8881	2.6153	1.9835	3.3157	2.9096	1.5	2.9112	2.1667
Run	Time	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb	107Ag ppb	109Ag ppb	111Cd ppb
1	15:51:35	26.1018	25.8765	26.2538	26.5196	26.2648	26.2911	26.3920	26.4316
2	15:52:21	25.2377	25.7594	25.4957	25.8402	25.6426	25.4789	25.6777	25.4524
3	15:53:07	24.5584	24.8787	24.8789	25.2104	25.0661	25.0009	25.1121	25.2901
x		25.2993	25.5048	25.5428	25.8568	25.6578	25.5903	25.7273	25.7247
σ		0.7736	0.5454	0.6886	0.6547	0.5995	0.6523	0.6414	0.6176
%RSD		3.0577	2.1382	2.6960	2.5322	2.3365	2.5490	2.4930	2.4007
Run	Time	114Cd ppb	115In ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb	207Pb ppb	208Pb ppb
1	15:51:35	26.2030	88.1%	92.4%	27.1780	26.4391	26.4903	26.2004	26.3305
2	15:52:21	25.5626	90.8%	95.1%	26.2100	25.6115	25.6208	25.4842	25.4708
3	15:53:07	24.9150	91.5%	95.6%	25.6277	25.0928	25.0263	24.9238	25.0378
x		25.5602	90.1%	94.4%	26.3386	25.7145	25.7124	25.5361	25.6130
σ		0.6440	1.8%	1.7%	0.7831	0.6791	0.7363	0.6399	0.6580
%RSD		2.5194	2.0	1.8	2.9733	2.6407	2.8635	2.5057	2.5689

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:26	90.1%	0.0027	-0.0529	-1.0050	0.0017	0.1004	86.1%	-0.0443
2	15:59:12	94.3%	0.0007	-0.0323	-0.9750	0.0054	0.0812	86.7%	0.5299
3	15:59:58	95.0%	0.0031	-0.0570	-1.0912	0.0005	0.0294	87.5%	-0.0172
x		93.1%	0.0022	-0.0474	-1.0237	0.0026	0.0704	86.7%	0.1561
σ		2.6%	0.0013	0.0133	0.0603	0.0026	0.0367	0.7%	0.3240
%RSD		2.8	60.0265	27.9549	5.8941	100.8367	52.1964	0.8	207.5170
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:26	0.0019	-0.0075	0.0079	-0.0945	0.0297	86.6%	-0.1188	-0.0584
2	15:59:12	-0.0026	0.0069	-0.0006	-0.0942	0.0014	88.0%	-0.0871	-0.1847
3	15:59:58	-0.0009	-0.0023	0.0006	-0.0931	0.0028	87.5%	-0.1991	0.4679
x		-0.0006	-0.0010	0.0026	-0.0940	0.0113	87.4%	-0.1350	0.0749
σ		0.0023	0.0073	0.0046	0.0007	0.0159	0.7%	0.0577	0.3461
%RSD		405.7688	755.7861	174.5325	0.7792	140.6855	0.8	42.7705	461.9032
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:26	-0.6465	-0.0868	-0.0017	0.0410	0.0452	0.0045	0.0025	0.0099
2	15:59:12	-0.5355	-0.1853	0.0014	0.0307	0.0534	0.0025	0.0009	0.0170
3	15:59:58	-0.6200	-0.1789	-0.0036	0.0315	0.0418	-0.0002	0.0031	0.0176
x		-0.6007	-0.1503	-0.0013	0.0344	0.0468	0.0023	0.0021	0.0148
σ		0.0580	0.0551	0.0026	0.0057	0.0060	0.0024	0.0011	0.0043
%RSD		9.6527	36.6656	198.8702	16.6805	12.8165	106.0610	53.3780	28.9895
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:58:26	0.0057	88.0%	92.3%	0.0325	0.0263	-0.0010	0.0036	0.0015
2	15:59:12	0.0038	88.6%	93.4%	0.0265	0.0273	0.0016	-0.0002	0.0008
3	15:59:58	0.0060	89.0%	93.2%	0.0295	0.0257	0.0012	0.0010	0.0015
x		0.0052	88.6%	93.0%	0.0295	0.0264	0.0006	0.0015	0.0013
σ		0.0012	0.5%	0.6%	0.0030	0.0008	0.0014	0.0019	0.0004
%RSD		23.7792	0.6	0.6	10.1107	3.2059	245.6889	129.9788	34.1457

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	52Cr ppb	53Cr ppb	59Co ppb	60Ni ppb	61Ni ppb	62Ni ppb
1	16:03:08	91.3%	0.2211	2.0058	0.9342	0.2107	2.0894	85.0%	2.1715
2	16:03:53	93.5%	0.2040	1.7771	0.4753	0.1988	2.0002	83.5%	2.4816
3	16:04:39	95.1%	0.2062	1.9130	0.9076	0.2090	2.1385	84.9%	2.0896
x		93.3%	0.2105	1.8986	0.7724	0.2061	2.0760	84.5%	2.2475
σ		1.9%	0.0093	0.1150	0.2576	0.0064	0.0701	0.8%	0.2068
%RSD		2.0	4.4300	6.0595	33.3571	3.1287	3.3783	1.0	9.2000
Run	Time	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb	71Ga ppb	75As ppb	77Se ppb
1	16:03:08	1.0472	1.0693	5.1128	4.9159	4.9879	85.0%	5.2303	9.6675
2	16:03:53	0.9769	0.9564	4.8462	4.6424	4.7719	88.5%	5.0636	8.9307
3	16:04:39	1.0098	0.9937	5.0306	4.5915	4.7652	87.4%	4.9799	9.5567
x		1.0113	1.0065	4.9965	4.7166	4.8417	87.0%	5.0913	9.3850
σ		0.0352	0.0575	0.1366	0.1745	0.1266	1.8%	0.1275	0.3973
%RSD		3.4782	5.7164	2.7333	3.6997	2.6157	2.1	2.5034	4.2333
Run	Time	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb	107Ag ppb	109Ag ppb	111Cd ppb
1	16:03:08	9.7831	10.1184	0.4820	0.5323	0.5206	0.1274	0.1370	0.2259
2	16:03:53	8.8613	9.6938	0.4424	0.4874	0.4867	0.1406	0.1372	0.1735
3	16:04:39	8.9908	9.7697	0.4611	0.5142	0.5086	0.1475	0.1431	0.2163
x		9.2117	9.8606	0.4619	0.5113	0.5053	0.1385	0.1391	0.2052
σ		0.4991	0.2264	0.0198	0.0226	0.0172	0.0102	0.0035	0.0279
%RSD		5.4177	2.2964	4.2862	4.4183	3.4065	7.3753	2.4896	13.5851
Run	Time	114Cd ppb	115In ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb	207Pb ppb	208Pb ppb
1	16:03:08	0.2170	85.2%	89.9%	0.2531	0.2256	0.2180	0.2181	0.2220
2	16:03:53	0.2102	90.4%	95.1%	0.2204	0.2148	0.2047	0.2161	0.2114
3	16:04:39	0.2000	90.2%	94.0%	0.2326	0.2244	0.2196	0.2141	0.2182
x		0.2090	88.6%	93.0%	0.2354	0.2216	0.2141	0.2161	0.2172
σ		0.0086	2.9%	2.7%	0.0165	0.0059	0.0082	0.0020	0.0054
%RSD		4.0984	3.3	2.9	7.0205	2.6628	3.8327	0.9092	2.4792

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:54	86.8%	0.0967	3.7288	3.4027	1.2792	5.1987	74.8%	6.1197
2	16:08:40	87.6%	0.1077	3.6543	3.0244	1.2488	5.1353	76.5%	6.4999
3	16:09:26	88.5%	0.0928	3.6589	3.1071	1.2632	5.3182	76.8%	6.5304
x		87.6%	0.0990	3.6807	3.1780	1.2637	5.2174	76.0%	6.3833
σ		0.8%	0.0077	0.0418	0.1989	0.0152	0.0929	1.0%	0.2288
%RSD		1.0	7.7745	1.1347	6.2586	1.2032	1.7802	1.4	3.5847
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:54	9.2187	8.4272	10.9716	10.5021	10.4806	82.6%	15.5766	0.9933
2	16:08:40	9.1942	8.4231	11.0876	10.4935	10.5978	84.9%	16.0001	0.5181
3	16:09:26	9.2779	8.4624	11.0318	10.2733	10.5152	85.7%	15.5530	1.0497
x		9.2302	8.4376	11.0303	10.4230	10.5312	84.4%	15.7099	0.8537
σ		0.0430	0.0216	0.0580	0.1297	0.0602	1.6%	0.2516	0.2920
%RSD		0.4660	0.2557	0.5262	1.2444	0.5718	1.9	1.6015	34.2046
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:54	0.3108	1.1124	13.0334	13.0585	13.0407	0.0014	-0.0010	0.1785
2	16:08:40	0.3066	1.4190	12.7994	12.8834	12.9148	0.0032	0.0011	0.1922
3	16:09:26	0.8657	1.0341	12.9473	13.0297	12.9423	0.0106	0.0079	0.1894
x		0.4944	1.1885	12.9267	12.9905	12.9659	0.0051	0.0027	0.1867
σ		0.3216	0.2034	0.1184	0.0939	0.0662	0.0048	0.0047	0.0073
%RSD		65.0452	17.1155	0.9157	0.7228	0.5105	95.6890	175.7823	3.8876
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:07:54	0.1458	83.3%	89.7%	0.1588	0.1398	1.6762	1.5939	1.6373
2	16:08:40	0.1593	85.6%	91.3%	0.1618	0.1459	1.6886	1.6105	1.6395
3	16:09:26	0.1532	86.1%	91.5%	0.1551	0.1433	1.6339	1.6196	1.6358
x		0.1528	85.0%	90.8%	0.1586	0.1430	1.6662	1.6080	1.6375
σ		0.0068	1.5%	1.0%	0.0034	0.0031	0.0287	0.0130	0.0019
%RSD		4.4412	1.8	1.1	2.1175	2.1531	1.7221	0.8110	0.1154

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:32	84.9%	0.0796	4.1571	4.6331	0.8536	4.2311	65.4%	5.8662
2	16:13:18	84.6%	0.0841	4.0254	4.7623	0.8642	4.0742	66.4%	5.4011
3	16:14:04	85.0%	0.0885	4.1074	4.5625	0.8436	4.0695	67.2%	4.9251
x		84.8%	0.0841	4.0966	4.6526	0.8538	4.1249	66.3%	5.3975
σ		0.2%	0.0044	0.0665	0.1013	0.0103	0.0919	0.9%	0.4705
%RSD		0.2	5.2548	1.6239	2.1778	1.2054	2.2289	1.4	8.7177
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:32	3.3741	2.6374	5.7922	6.8446	6.4573	82.6%	302.8652	1.4086
2	16:13:18	3.3821	2.5517	5.6247	6.9524	6.6459	83.7%	300.3105	1.2739
3	16:14:04	3.3378	2.5429	5.9770	6.8424	6.3876	84.1%	301.8885	1.4668
x		3.3647	2.5773	5.7980	6.8798	6.4969	83.5%	301.6881	1.3831
σ		0.0236	0.0522	0.1762	0.0629	0.1336	0.8%	1.2891	0.0989
%RSD		0.7008	2.0257	3.0395	0.9137	2.0569	0.9	0.4273	7.1523
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:32	0.8050	2.0257	20.3196	20.5112	20.3269	0.0193	0.0164	0.1069
2	16:13:18	0.9723	2.0733	20.4125	20.4156	20.4501	0.0299	0.0197	0.0767
3	16:14:04	0.8962	2.1083	20.4564	20.6611	20.5803	0.0222	0.0230	0.0824
x		0.8912	2.0691	20.3962	20.5293	20.4524	0.0238	0.0197	0.0887
σ		0.0838	0.0415	0.0699	0.1237	0.1267	0.0055	0.0033	0.0160
%RSD		9.4018	2.0039	0.3425	0.6028	0.6195	22.8918	16.6567	18.0787
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:12:32	0.0471	84.3%	88.6%	0.0273	0.0220	0.9660	0.9300	0.9354
2	16:13:18	0.0495	85.4%	90.0%	0.0244	0.0231	0.9493	0.9327	0.9388
3	16:14:04	0.0391	85.2%	89.8%	0.0253	0.0212	0.9607	0.9481	0.9364
x		0.0452	85.0%	89.5%	0.0257	0.0221	0.9587	0.9369	0.9369
σ		0.0054	0.6%	0.8%	0.0015	0.0010	0.0085	0.0098	0.0018
%RSD		11.9844	0.7	0.8	5.9388	4.3974	0.8874	1.0417	0.1878

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:00	83.7%	0.0920	4.3301	6.1007	0.6136	4.1124	62.0%	5.0259
2	16:17:46	84.7%	0.0950	4.3335	6.0647	0.6422	4.1466	62.1%	5.7870
3	16:18:31	85.6%	0.0899	4.2265	5.9614	0.6206	4.1005	61.8%	5.7181
x		84.6%	0.0923	4.2967	6.0423	0.6255	4.1198	62.0%	5.5103
σ		1.0%	0.0026	0.0608	0.0723	0.0149	0.0240	0.1%	0.4210
%RSD		1.1	2.7834	1.4159	1.1965	2.3888	0.5816	0.2	7.6394
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:00	3.8664	2.9852	6.5591	7.5857	7.0814	81.3%	248.4143	1.8416
2	16:17:46	3.8257	3.0122	6.6995	7.5311	7.1224	82.0%	248.8502	2.3031
3	16:18:31	3.7886	2.9479	6.7677	7.6006	7.0363	82.9%	247.8877	1.9703
x		3.8269	2.9818	6.6754	7.5725	7.0800	82.1%	248.3840	2.0384
σ		0.0389	0.0323	0.1064	0.0366	0.0431	0.8%	0.4820	0.2381
%RSD		1.0178	1.0824	1.5937	0.4837	0.6085	0.9	0.1940	11.6821
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:00	0.7128	1.9503	21.6356	21.7706	21.6960	-0.0122	-0.0149	0.0880
2	16:17:46	0.8439	2.2543	21.5388	21.4557	21.5314	-0.0174	-0.0113	0.0719
3	16:18:31	0.7803	1.8234	21.4777	21.5954	21.6753	-0.0083	-0.0139	0.0884
x		0.7790	2.0093	21.5507	21.6072	21.6342	-0.0126	-0.0134	0.0828
σ		0.0655	0.2214	0.0796	0.1578	0.0897	0.0046	0.0019	0.0094
%RSD		8.4138	11.0205	0.3695	0.7303	0.4146	36.2259	13.9989	11.3665
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:17:00	0.0495	82.0%	87.4%	0.0121	0.0144	1.0129	0.9556	0.9872
2	16:17:46	0.0482	83.7%	88.6%	0.0145	0.0150	1.0253	0.9936	1.0053
3	16:18:31	0.0465	84.0%	88.4%	0.0169	0.0134	1.0353	0.9976	1.0022
x		0.0480	83.2%	88.1%	0.0145	0.0143	1.0245	0.9823	0.9982
σ		0.0015	1.1%	0.6%	0.0024	0.0008	0.0112	0.0232	0.0097
%RSD		3.1071	1.3	0.7	16.5825	5.7707	1.0923	2.3595	0.9693

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:14	87.9%	0.0167	1.6541	2.1086	0.1823	2.1347	66.7%	3.7824
2	16:22:00	89.5%	0.0125	1.6445	2.2836	0.1691	2.0801	67.5%	4.2747
3	16:22:46	90.9%	0.0091	1.6142	2.2738	0.1825	1.8961	68.2%	3.9449
x		89.4%	0.0128	1.6376	2.2220	0.1779	2.0370	67.5%	4.0006
σ		1.5%	0.0038	0.0208	0.0984	0.0077	0.1250	0.8%	0.2508
%RSD		1.7	29.9695	1.2730	4.4264	4.3158	6.1377	1.2	6.2697
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:14	3.0916	1.9845	2.2963	2.4210	2.1734	80.6%	9.7510	0.5376
2	16:22:00	3.1823	1.9198	2.2595	2.2480	2.3572	82.3%	9.8483	0.5492
3	16:22:46	3.0922	1.9119	2.2053	2.2521	2.1531	82.9%	9.7340	0.4459
x		3.1221	1.9387	2.2537	2.3070	2.2279	82.0%	9.7778	0.5109
σ		0.0522	0.0399	0.0458	0.0987	0.1124	1.2%	0.0617	0.0566
%RSD		1.6716	2.0559	2.0317	4.2793	5.0456	1.4	0.6308	11.0777
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:14	0.2277	1.0697	14.1923	14.0029	14.0561	-0.0079	-0.0077	0.1114
2	16:22:00	0.3530	0.7442	13.8461	14.0693	14.0730	0.0008	-0.0058	0.1366
3	16:22:46	0.2949	0.9943	14.0586	14.1510	14.1993	-0.0003	-0.0003	0.1089
x		0.2919	0.9361	14.0323	14.0744	14.1095	-0.0025	-0.0046	0.1189
σ		0.0627	0.1704	0.1746	0.0742	0.0782	0.0047	0.0038	0.0153
%RSD		21.4868	18.2011	1.2441	0.5271	0.5543	189.6030	83.4634	12.8680
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:21:14	0.0869	81.8%	86.5%	0.1210	0.1169	0.1266	0.1105	0.1180
2	16:22:00	0.0796	83.7%	88.6%	0.1219	0.1154	0.1183	0.1140	0.1162
3	16:22:46	0.0658	83.5%	88.7%	0.1227	0.1193	0.1238	0.1133	0.1162
x		0.0775	83.0%	87.9%	0.1219	0.1172	0.1229	0.1126	0.1168
σ		0.0107	1.1%	1.2%	0.0008	0.0020	0.0042	0.0019	0.0011
%RSD		13.8736	1.3	1.4	0.6819	1.6921	3.4516	1.6693	0.9013

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:22	87.9%	0.4364	29.2739	31.3717	3.8999	29.4173	78.7%	30.9875
2	16:26:08	89.4%	0.4227	28.8790	31.3859	3.8437	29.5859	79.5%	30.5960
3	16:26:54	90.2%	0.4119	28.3996	31.3771	3.8025	29.4107	79.3%	31.1738
x		89.2%	0.4237	28.8508	31.3782	3.8487	29.4713	79.2%	30.9191
σ		1.2%	0.0122	0.4378	0.0072	0.0489	0.0993	0.4%	0.2949
%RSD		1.4	2.8912	1.5176	0.0228	1.2708	0.3370	0.5	0.9538
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:22	1.9025	1.9492	3.2604	30.5599	22.4387	87.6%	2.0779	0.7115
2	16:26:08	1.8513	1.9170	3.1303	30.1497	22.6491	88.9%	2.0906	0.7237
3	16:26:54	1.8188	1.9200	3.2042	29.7679	22.2603	90.1%	1.9380	0.7730
x		1.8575	1.9287	3.1983	30.1591	22.4493	88.9%	2.0355	0.7361
σ		0.0422	0.0178	0.0653	0.3961	0.1946	1.2%	0.0847	0.0326
%RSD		2.2713	0.9217	2.0405	1.3134	0.8669	1.4	4.1594	4.4288
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:22	0.4741	1.3309	1.2955	1.3410	1.3135	0.0285	0.0048	0.1521
2	16:26:08	0.6964	1.2130	1.3067	1.3611	1.3497	0.0248	0.0032	0.1432
3	16:26:54	0.4955	1.1072	1.3010	1.3813	1.3217	0.0306	0.0122	0.1374
x		0.5553	1.2170	1.3011	1.3611	1.3283	0.0279	0.0067	0.1442
σ		0.1226	0.1119	0.0056	0.0202	0.0189	0.0029	0.0048	0.0074
%RSD		22.0781	9.1984	0.4315	1.4805	1.4260	10.4748	71.2541	5.1559
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:25:22	0.1104	88.6%	89.6%	0.0168	0.0161	0.1132	0.1091	0.1118
2	16:26:08	0.1107	89.6%	90.7%	0.0178	0.0167	0.1143	0.1147	0.1168
3	16:26:54	0.1144	90.1%	91.4%	0.0184	0.0177	0.1084	0.1125	0.1105
x		0.1119	89.4%	90.6%	0.0177	0.0168	0.1120	0.1121	0.1130
σ		0.0022	0.8%	0.9%	0.0008	0.0008	0.0032	0.0028	0.0034
%RSD		1.9902	0.9	1.0	4.5680	4.7988	2.8223	2.5257	2.9764

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:40	89.6%	0.3634	23.9711	35.4165	1.7160	32.7851	81.9%	34.6137
2	16:30:26	88.5%	0.3820	23.8482	35.1129	1.7352	32.7649	81.7%	33.8197
3	16:31:11	86.3%	0.4242	26.3968	38.8418	1.9405	32.8200	85.1%	34.0331
x		88.1%	0.3899	24.7387	36.4570	1.7972	32.7900	82.9%	34.1555
σ		1.7%	0.0311	1.4373	2.0708	0.1244	0.0279	1.9%	0.4109
%RSD		1.9	7.9796	5.8100	5.6801	6.9244	0.0851	2.3	1.2030
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:40	1.4566	1.4174	9.6077	18.8003	14.9864	88.3%	1.3722	0.7171
2	16:30:26	1.4178	1.4164	9.6557	19.2013	14.9995	88.6%	1.3162	0.9630
3	16:31:11	1.5864	1.5543	10.6067	20.9985	16.5581	83.7%	1.3546	2.0727
x		1.4869	1.4627	9.9567	19.6667	15.5147	86.9%	1.3477	1.2509
σ		0.0883	0.0793	0.5634	1.1707	0.9036	2.7%	0.0286	0.7222
%RSD		5.9392	5.4218	5.6585	5.9526	5.8244	3.2	2.1242	57.7338
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:40	0.5734	0.9181	0.5398	0.5966	0.6002	0.0062	-0.0161	0.1233
2	16:30:26	0.6957	0.6892	0.5545	0.6149	0.6096	-0.0015	-0.0114	0.1099
3	16:31:11	0.6486	0.7985	0.6028	0.6936	0.6460	0.0199	0.0017	0.1257
x		0.6392	0.8019	0.5657	0.6350	0.6186	0.0082	-0.0086	0.1196
σ		0.0617	0.1145	0.0330	0.0516	0.0242	0.0109	0.0092	0.0085
%RSD		9.6532	14.2779	5.8279	8.1188	3.9078	132.9252	107.3678	7.1206
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:29:40	0.0642	87.1%	88.0%	0.0106	0.0090	0.1245	0.1209	0.1258
2	16:30:26	0.0605	88.6%	89.1%	0.0099	0.0093	0.1265	0.1186	0.1224
3	16:31:11	0.0680	83.9%	85.2%	0.0107	0.0108	0.1451	0.1354	0.1379
x		0.0642	86.5%	87.5%	0.0104	0.0097	0.1321	0.1250	0.1287
σ		0.0037	2.4%	2.0%	0.0004	0.0010	0.0113	0.0091	0.0082
%RSD		5.8331	2.8	2.3	4.3241	9.8680	8.5929	7.3206	6.3490

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:52	86.2%	0.4045	25.4733	37.4680	1.7376	33.3444	76.5%	33.9131
2	16:34:38	87.7%	0.3789	25.3219	36.9003	1.7294	33.3442	76.9%	34.4408
3	16:35:24	88.3%	0.4093	25.1970	35.9372	1.6918	33.5630	76.3%	34.3606
x		87.4%	0.3976	25.3307	36.7685	1.7196	33.4172	76.6%	34.2382
σ		1.1%	0.0163	0.1383	0.7739	0.0244	0.1263	0.3%	0.2844
%RSD		1.2	4.1094	0.5462	2.1048	1.4188	0.3779	0.4	0.8306
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:52	1.2749	1.2800	9.8334	18.7332	14.8406	84.7%	1.2990	1.2399
2	16:34:38	1.2643	1.2324	9.7621	19.0952	15.0666	84.8%	1.2314	1.9687
3	16:35:24	1.2086	1.1988	9.6641	18.5038	14.5649	85.4%	1.2390	2.2098
x		1.2493	1.2371	9.7532	18.7774	14.8240	85.0%	1.2564	1.8061
σ		0.0356	0.0408	0.0850	0.2982	0.2513	0.4%	0.0370	0.5050
%RSD		2.8522	3.3010	0.8713	1.5879	1.6949	0.4	2.9462	27.9602
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:52	0.2804	0.6560	0.4867	0.5806	0.5582	-0.0074	-0.0233	0.1099
2	16:34:38	0.2335	0.7581	0.5241	0.5500	0.5634	-0.0031	-0.0189	0.0931
3	16:35:24	0.3663	0.8113	0.5322	0.5623	0.5517	-0.0126	-0.0196	0.0956
x		0.2934	0.7418	0.5143	0.5643	0.5578	-0.0077	-0.0206	0.0996
σ		0.0673	0.0789	0.0242	0.0154	0.0059	0.0047	0.0024	0.0091
%RSD		22.9487	10.6393	4.7122	2.7339	1.0526	61.6602	11.4836	9.1092
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:33:52	0.0506	85.3%	86.6%	0.0070	0.0060	0.1078	0.1043	0.1036
2	16:34:38	0.0586	85.6%	88.2%	0.0068	0.0070	0.1039	0.1014	0.1014
3	16:35:24	0.0518	86.1%	87.9%	0.0068	0.0073	0.1023	0.0940	0.0982
x		0.0537	85.7%	87.5%	0.0069	0.0067	0.1047	0.0999	0.1011
σ		0.0043	0.4%	0.8%	0.0001	0.0007	0.0028	0.0053	0.0027
%RSD		7.9948	0.5	0.9	1.2478	10.0368	2.6800	5.3294	2.6817

K1405721-001 6/19/2014 4:38:03 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:03	86.5%	0.0022	2.1337	5.4846	7.6773	14.8711	69.4%	15.4794
2	16:38:49	85.4%	0.0063	2.0924	3.7860	7.5849	14.7961	68.6%	15.9251
3	16:39:35	85.2%	0.0050	2.2667	3.0609	7.6175	14.7533	68.0%	16.1399
x		85.7%	0.0045	2.1643	4.1105	7.6266	14.8068	68.7%	15.8482
σ		0.7%	0.0021	0.0911	1.2440	0.0468	0.0596	0.7%	0.3369
%RSD		0.8	46.8048	4.2089	30.2637	0.6143	0.4027	1.0	2.1259
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:03	1.9108	1.3594	13.9851	13.2347	13.1867	74.4%	1.8730	0.1599
2	16:38:49	1.8484	1.3104	14.0178	13.2204	13.3220	74.3%	1.8001	0.5925
3	16:39:35	1.8462	1.2840	13.8923	13.2827	13.4325	74.0%	1.9377	0.0104
x		1.8685	1.3179	13.9650	13.2459	13.3137	74.2%	1.8703	0.2543
σ		0.0367	0.0383	0.0651	0.0327	0.1231	0.2%	0.0688	0.3023
%RSD		1.9635	2.9044	0.4660	0.2465	0.9249	0.3	3.6803	118.8874
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:03	-0.2475	0.4485	1.6473	1.6661	1.6913	-0.0079	-0.0132	0.1027
2	16:38:49	-0.1919	0.4580	1.6632	1.7259	1.7193	-0.0032	-0.0057	0.0904
3	16:39:35	-0.3321	0.5108	1.6492	1.7013	1.7303	-0.0073	-0.0100	0.0853
x		-0.2572	0.4724	1.6532	1.6978	1.7136	-0.0061	-0.0096	0.0928
σ		0.0706	0.0335	0.0087	0.0301	0.0201	0.0026	0.0038	0.0090
%RSD		27.4478	7.0958	0.5270	1.7711	1.1759	42.2801	39.4444	9.6837
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:38:03	0.0417	77.0%	82.2%	0.1031	0.0945	0.2673	0.2599	0.2627
2	16:38:49	0.0456	76.6%	84.0%	0.1093	0.0986	0.2720	0.2546	0.2596
3	16:39:35	0.0494	76.7%	84.1%	0.1104	0.0997	0.2672	0.2512	0.2568
x		0.0456	76.8%	83.5%	0.1076	0.0976	0.2688	0.2552	0.2597
σ		0.0039	0.2%	1.1%	0.0039	0.0027	0.0027	0.0044	0.0029
%RSD		8.5267	0.3	1.3	3.6626	2.7841	1.0182	1.7090	1.1288

K1405721-002 6/19/2014 4:42:09 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:09	85.2%	0.0036	0.9835	1.2729	8.7536	16.7029	67.5%	18.0348
2	16:42:55	86.1%	0.0022	0.9688	1.2045	8.7461	16.7881	68.2%	18.4384
3	16:43:41	87.7%	0.0101	1.0156	1.1268	8.7201	16.6352	69.2%	18.1274
x		86.4%	0.0053	0.9893	1.2014	8.7399	16.7087	68.3%	18.2002
σ		1.3%	0.0042	0.0239	0.0731	0.0176	0.0766	0.9%	0.2114
%RSD		1.5	79.3417	2.4165	6.0836	0.2009	0.4585	1.3	1.1618
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:09	3.1909	2.3803	24.6482	22.5940	23.4440	74.2%	2.1541	-0.0060
2	16:42:55	3.2023	2.3192	25.8924	22.5297	23.9595	75.2%	2.0420	0.3197
3	16:43:41	3.1427	2.4651	24.6474	23.3440	24.0318	75.7%	2.1780	0.0166
x		3.1786	2.3882	25.0627	22.8226	23.8118	75.1%	2.1247	0.1101
σ		0.0316	0.0733	0.7186	0.4527	0.3205	0.8%	0.0726	0.1819
%RSD		0.9952	3.0695	2.8670	1.9835	1.3461	1.0	3.4183	165.1901
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:09	-0.2398	0.4752	1.9856	2.0841	2.0392	-0.0053	-0.0049	0.0979
2	16:42:55	-0.1278	0.6345	2.0172	2.0081	2.0341	-0.0027	0.0025	0.0849
3	16:43:41	0.3811	0.4817	1.9816	2.0594	2.0346	-0.0039	-0.0006	0.0782
x		0.0045	0.5305	1.9948	2.0505	2.0360	-0.0039	-0.0010	0.0870
σ		0.3309	0.0901	0.0195	0.0388	0.0028	0.0013	0.0037	0.0100
%RSD		7343.7246	16.9942	0.9781	1.8926	0.1382	32.9682	371.8710	11.4899
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:09	0.0479	76.2%	82.2%	0.1171	0.1104	0.3271	0.3065	0.3154
2	16:42:55	0.0448	78.1%	84.5%	0.1168	0.1098	0.3240	0.3144	0.3182
3	16:43:41	0.0479	79.2%	84.6%	0.1203	0.1103	0.3297	0.3201	0.3183
x		0.0469	77.8%	83.8%	0.1181	0.1102	0.3269	0.3137	0.3173
σ		0.0018	1.5%	1.3%	0.0020	0.0003	0.0029	0.0068	0.0016
%RSD		3.7564	2.0	1.6	1.6727	0.3086	0.8778	2.1732	0.5101

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:17	87.4%	0.0068	0.9990	1.7298	0.2360	16.7398	70.3%	18.2471
2	16:47:03	87.8%	0.0101	1.0087	1.4253	0.2394	16.5524	71.2%	18.9413
3	16:47:48	88.4%	0.0061	0.9773	1.4961	0.2309	16.8901	71.6%	18.1727
x		87.9%	0.0077	0.9950	1.5504	0.2354	16.7274	71.0%	18.4537
σ		0.5%	0.0021	0.0161	0.1594	0.0042	0.1692	0.6%	0.4239
%RSD		0.5	27.8984	1.6144	10.2802	1.8035	1.0113	0.9	2.2971
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:17	2.9635	2.0464	14.2718	13.5266	13.6336	75.4%	2.4202	0.8213
2	16:47:03	2.9147	1.9965	14.2905	13.2325	13.4432	77.1%	2.3592	1.1963
3	16:47:48	2.9637	2.0802	14.3064	12.9449	13.6472	77.2%	2.4829	0.8061
x		2.9473	2.0410	14.2896	13.2346	13.5747	76.6%	2.4208	0.9413
σ		0.0282	0.0421	0.0173	0.2908	0.1140	1.0%	0.0619	0.2210
%RSD		0.9579	2.0627	0.1211	2.1975	0.8400	1.3	2.5559	23.4800
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:17	0.1031	0.8560	3.0815	3.1368	3.1337	-0.0054	-0.0056	0.0786
2	16:47:03	0.1110	0.7961	3.1305	3.1210	3.1749	-0.0024	-0.0031	0.0883
3	16:47:48	0.2558	0.8034	3.2319	3.1512	3.2025	0.0047	-0.0069	0.0952
x		0.1566	0.8185	3.1480	3.1363	3.1703	-0.0010	-0.0052	0.0874
σ		0.0860	0.0327	0.0767	0.0151	0.0346	0.0052	0.0019	0.0083
%RSD		54.9001	3.9965	2.4373	0.4807	1.0923	502.2247	37.3522	9.5149
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:46:17	0.0395	78.0%	83.2%	0.1394	0.1223	0.2264	0.2202	0.2187
2	16:47:03	0.0382	80.0%	84.7%	0.1354	0.1205	0.2215	0.2256	0.2197
3	16:47:48	0.0400	80.0%	85.3%	0.1364	0.1240	0.2316	0.2153	0.2199
x		0.0392	79.4%	84.4%	0.1371	0.1223	0.2265	0.2204	0.2194
σ		0.0009	1.2%	1.1%	0.0021	0.0018	0.0050	0.0052	0.0006
%RSD		2.3155	1.5	1.3	1.5259	1.4403	2.2272	2.3394	0.2917

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:28	92.7%	26.2717	25.4344	24.8922	25.5798	24.9729	83.6%	25.7118
2	16:51:14	91.9%	26.6190	25.1290	24.2123	25.3336	24.9664	84.4%	25.4684
3	16:52:00	93.6%	26.2349	25.0757	24.4258	25.3265	24.8675	83.6%	26.5483
x		92.7%	26.3752	25.2130	24.5101	25.4133	24.9356	83.9%	25.9095
σ		0.8%	0.2119	0.1935	0.3477	0.1443	0.0591	0.5%	0.5665
%RSD		0.9	0.8036	0.7676	1.4186	0.5677	0.2369	0.6	2.1863
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:28	25.5600	25.6177	25.4347	25.6633	25.5805	81.7%	25.5107	24.2637
2	16:51:14	25.4060	25.7321	25.5015	25.0430	25.4999	83.1%	25.6692	23.8801
3	16:52:00	25.3984	25.5345	25.0333	25.2764	25.2741	83.7%	24.7725	25.4333
x		25.4548	25.6281	25.3232	25.3275	25.4515	82.8%	25.3175	24.5257
σ		0.0912	0.0992	0.2533	0.3133	0.1588	1.1%	0.4785	0.8091
%RSD		0.3582	0.3871	1.0001	1.2369	0.6241	1.3	1.8901	3.2990
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:28	24.5845	24.8568	24.9601	24.8026	24.9342	24.8594	24.9513	24.9615
2	16:51:14	24.9487	25.6891	24.7174	24.8680	24.8765	24.9821	24.9116	25.0046
3	16:52:00	24.5173	24.2897	24.8449	24.9814	25.0319	24.9744	25.0945	24.9958
x		24.6835	24.9452	24.8408	24.8840	24.9475	24.9386	24.9858	24.9873
σ		0.2321	0.7039	0.1214	0.0905	0.0786	0.0687	0.0962	0.0228
%RSD		0.9404	2.8218	0.4887	0.3637	0.3150	0.2755	0.3850	0.0911
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:28	24.9828	84.6%	88.0%	25.5717	24.9883	25.0894	24.9264	25.0450
2	16:51:14	24.9548	85.9%	89.9%	25.3461	24.7329	24.9096	24.7270	24.8104
3	16:52:00	24.8854	86.0%	89.6%	25.5011	25.1626	25.1886	24.8942	25.0359
x		24.9410	85.5%	89.2%	25.4730	24.9612	25.0625	24.8492	24.9637
σ		0.0501	0.7%	1.1%	0.1154	0.2161	0.1414	0.1070	0.1329
%RSD		0.2010	0.9	1.2	0.4530	0.8658	0.5643	0.4308	0.5324

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:56:31	91.9%	0.0058	-0.0160	-0.9220	0.0066	0.0274	82.7%	-0.0297
2	16:57:17	92.2%	0.0007	-0.0408	-1.0193	0.0035	-0.0320	84.0%	0.2618
3	16:58:03	94.4%	0.0007	-0.0083	-0.9523	0.0072	0.0823	83.6%	0.4951
x		92.8%	0.0024	-0.0217	-0.9645	0.0058	0.0259	83.4%	0.2424
σ		1.4%	0.0029	0.0169	0.0498	0.0020	0.0572	0.7%	0.2629
%RSD		1.5	122.4204	78.1533	5.1626	33.9411	220.7222	0.8	108.4695
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:56:31	0.0286	0.0241	0.0213	-0.1405	-0.0087	81.3%	-0.0061	-0.2576
2	16:57:17	0.0387	0.0185	0.0103	-0.0503	0.0069	83.0%	0.0077	-0.3361
3	16:58:03	0.0372	0.0233	0.0236	-0.1441	0.0077	83.1%	0.1408	-0.2670
x		0.0348	0.0219	0.0184	-0.1116	0.0020	82.5%	0.0475	-0.2869
σ		0.0055	0.0030	0.0071	0.0531	0.0093	1.0%	0.0811	0.0429
%RSD		15.6739	13.8566	38.5112	47.5889	467.4333	1.2	170.9147	14.9386
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:56:31	-0.7796	0.0017	-0.0157	0.0325	0.0489	-0.0144	-0.0110	0.0130
2	16:57:17	-0.5788	-0.0443	-0.0069	0.0359	0.0397	-0.0124	-0.0109	0.0057
3	16:58:03	-0.8439	0.4067	-0.0113	0.0337	0.0283	-0.0231	-0.0178	0.0107
x		-0.7341	0.1214	-0.0113	0.0340	0.0390	-0.0166	-0.0132	0.0098
σ		0.1383	0.2482	0.0044	0.0017	0.0103	0.0057	0.0040	0.0038
%RSD		18.8351	204.4945	38.8554	4.9755	26.4068	34.0615	30.0764	38.4429
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:56:31	0.0040	82.8%	87.1%	0.0068	0.0029	0.0053	0.0001	0.0023
2	16:57:17	0.0021	84.5%	88.3%	0.0028	0.0036	0.0024	0.0015	0.0011
3	16:58:03	0.0007	85.0%	89.1%	0.0037	0.0042	0.0036	0.0014	0.0013
x		0.0023	84.1%	88.2%	0.0045	0.0035	0.0038	0.0010	0.0016
σ		0.0017	1.2%	1.0%	0.0021	0.0006	0.0014	0.0008	0.0006
%RSD		74.3460	1.4	1.1	47.1555	17.3381	38.0196	78.2025	39.0132

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:56	86.9%	0.0055	0.9603	1.3009	0.2295	17.1582	61.9%	19.0158
2	17:01:41	87.3%	0.0068	0.9981	1.5169	0.2324	16.9335	62.9%	18.9277
3	17:02:27	89.4%	0.0034	0.9662	1.4240	0.2137	16.8627	63.5%	19.1295
x		87.9%	0.0052	0.9749	1.4139	0.2252	16.9848	62.8%	19.0243
σ		1.3%	0.0017	0.0204	0.1084	0.0101	0.1543	0.8%	0.1012
%RSD		1.5	33.0705	2.0892	7.6640	4.4836	0.9082	1.3	0.5318
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:56	5.1894	4.2613	27.0690	25.3525	25.8872	75.6%	2.4048	0.4157
2	17:01:41	5.1089	4.2431	27.1218	24.9912	25.9299	76.9%	2.4847	0.5247
3	17:02:27	5.1636	4.1551	27.0934	24.9512	25.6424	77.5%	2.4076	0.8732
x		5.1540	4.2198	27.0948	25.0983	25.8199	76.7%	2.4324	0.6046
σ		0.0411	0.0568	0.0264	0.2210	0.1551	1.0%	0.0454	0.2390
%RSD		0.7974	1.3463	0.0976	0.8807	0.6008	1.3	1.8646	39.5259
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:56	0.2430	0.8541	2.3240	2.4221	2.4013	0.0192	0.0138	0.1058
2	17:01:41	-0.1753	0.9940	2.3419	2.4041	2.3708	0.0284	0.0297	0.0958
3	17:02:27	-0.1574	0.9613	2.3804	2.3631	2.4289	0.0236	0.0231	0.0850
x		-0.0299	0.9365	2.3488	2.3964	2.4003	0.0237	0.0222	0.0956
σ		0.2365	0.0732	0.0288	0.0302	0.0291	0.0046	0.0080	0.0104
%RSD		791.2776	7.8167	1.2269	1.2601	1.2124	19.4601	35.8679	10.8882
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:00:56	0.0619	77.9%	83.5%	0.1312	0.1245	0.7206	0.6641	0.6826
2	17:01:41	0.0561	79.7%	85.9%	0.1310	0.1240	0.7014	0.6767	0.6824
3	17:02:27	0.0595	79.8%	86.0%	0.1395	0.1214	0.7101	0.6792	0.6841
x		0.0592	79.1%	85.1%	0.1339	0.1233	0.7107	0.6733	0.6830
σ		0.0029	1.1%	1.4%	0.0049	0.0016	0.0096	0.0081	0.0009
%RSD		4.9560	1.4	1.7	3.6229	1.3330	1.3572	1.2017	0.1312

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:20	88.5%	0.0067	0.9784	1.7983	2.7688	17.5146	70.0%	19.5134
2	17:06:06	88.8%	0.0067	1.0079	1.8017	2.7362	17.0922	71.1%	18.7904
3	17:06:52	88.9%	0.0067	1.0095	2.0520	2.8037	17.4341	71.4%	19.1159
x		88.8%	0.0067	0.9986	1.8840	2.7696	17.3470	70.8%	19.1399
σ		0.2%	0.0000	0.0175	0.1455	0.0338	0.2243	0.8%	0.3621
%RSD		0.2	0.2640	1.7565	7.7239	1.2194	1.2928	1.1	1.8919
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:20	2.8978	1.9904	18.3753	16.9852	17.2975	75.8%	2.3811	0.9897
2	17:06:06	2.9179	1.9500	17.9757	16.9246	17.3852	77.4%	2.4834	0.5813
3	17:06:52	2.9459	1.9846	18.1413	16.4131	17.2985	77.0%	2.4619	0.9181
x		2.9205	1.9750	18.1641	16.7743	17.3271	76.8%	2.4421	0.8297
σ		0.0242	0.0218	0.2008	0.3143	0.0504	0.8%	0.0540	0.2181
%RSD		0.8269	1.1048	1.1055	1.8736	0.2907	1.1	2.2093	26.2848
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:20	0.4545	0.9911	3.0175	2.9785	3.0679	-0.0018	0.0022	0.0805
2	17:06:06	-0.1029	0.7122	2.9209	3.0141	3.0378	0.0053	-0.0019	0.0721
3	17:06:52	0.0319	0.9024	2.9920	3.0626	3.0602	0.0019	-0.0044	0.0951
x		0.1278	0.8686	2.9768	3.0184	3.0553	0.0018	-0.0014	0.0826
σ		0.2908	0.1425	0.0500	0.0422	0.0156	0.0036	0.0033	0.0116
%RSD		227.5203	16.4032	1.6803	1.3994	0.5113	197.7842	246.0695	14.0461
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:05:20	0.0505	77.9%	83.3%	0.1368	0.1198	0.2435	0.2296	0.2332
2	17:06:06	0.0435	79.7%	84.8%	0.1261	0.1163	0.2430	0.2241	0.2289
3	17:06:52	0.0459	79.5%	85.3%	0.1321	0.1202	0.2293	0.2281	0.2281
x		0.0466	79.0%	84.5%	0.1317	0.1187	0.2386	0.2273	0.2301
σ		0.0035	1.0%	1.0%	0.0053	0.0021	0.0081	0.0029	0.0027
%RSD		7.5465	1.3	1.2	4.0561	1.8080	3.3788	1.2575	1.1909

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:09:28	87.5%	0.0055	1.2737	2.1853	2.7624	17.3750	69.8%	19.7644
2	17:10:14	88.8%	0.0047	1.2061	2.3598	2.7748	17.6326	70.5%	20.0854
3	17:11:00	90.2%	0.0072	1.1407	2.1252	2.7051	17.6264	70.8%	19.8558
x		88.8%	0.0058	1.2068	2.2234	2.7474	17.5447	70.3%	19.9019
σ		1.4%	0.0013	0.0665	0.1219	0.0372	0.1470	0.5%	0.1654
%RSD		1.5	21.9604	5.5096	5.4821	1.3544	0.8376	0.7	0.8308
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:09:28	4.9290	4.0268	74.9468	68.2441	71.4823	76.3%	2.4619	0.7969
2	17:10:14	4.9490	4.0823	75.0388	70.3358	71.3631	77.3%	2.4385	1.0933
3	17:11:00	4.9030	4.0078	74.5007	67.1979	71.2813	78.1%	2.4041	1.0561
x		4.9270	4.0389	74.8288	68.5926	71.3756	77.2%	2.4348	0.9821
σ		0.0231	0.0387	0.2878	1.5977	0.1011	0.9%	0.0291	0.1615
%RSD		0.4680	0.9583	0.3846	2.3293	0.1416	1.1	1.1933	16.4419
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:09:28	0.3230	1.1567	2.8861	2.8537	2.8907	-0.0040	-0.0052	0.0907
2	17:10:14	0.1609	0.9393	2.8302	2.8809	2.8890	0.0024	0.0011	0.0711
3	17:11:00	0.0498	0.7701	2.9135	2.9307	2.9464	0.0020	0.0003	0.0886
x		0.1779	0.9554	2.8766	2.8884	2.9087	0.0002	-0.0013	0.0835
σ		0.1374	0.1938	0.0424	0.0390	0.0327	0.0036	0.0034	0.0108
%RSD		77.2338	20.2833	1.4747	1.3516	1.1226	2349.7732	271.2325	12.9351
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:09:28	0.0509	78.2%	82.6%	0.1301	0.1182	1.0256	0.9925	1.0071
2	17:10:14	0.0517	79.7%	85.0%	0.1335	0.1207	1.0658	1.0071	1.0222
3	17:11:00	0.0449	79.9%	85.2%	0.1226	0.1249	1.0507	1.0003	1.0177
x		0.0492	79.2%	84.3%	0.1287	0.1213	1.0474	1.0000	1.0157
σ		0.0037	0.9%	1.4%	0.0056	0.0034	0.0203	0.0073	0.0077
%RSD		7.5117	1.2	1.7	4.3306	2.8168	1.9383	0.7285	0.7622

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:35	87.3%	0.0175	266.9223	253.8743	15.1731	920.8717	63.5%	900.5819
2	17:14:21	87.3%	0.0155	260.8236	249.0332	14.9012	926.4843	62.7%	907.9879
3	17:15:07	88.3%	0.0153	259.8095	248.5234	14.8857	923.4023	62.9%	908.3352
x		87.6%	0.0161	262.5185	250.4770	14.9867	923.5861	63.1%	905.6350
σ		0.6%	0.0012	3.8474	2.9532	0.1617	2.8108	0.4%	4.3796
%RSD		0.7	7.5134	1.4656	1.1790	1.0787	0.3043	0.6	0.4836
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:35	21.1627	20.8877	28.1499	26.9438	27.3165	76.5%	6.9833	1.0407
2	17:14:21	20.9887	20.5812	27.2071	25.5315	26.6825	77.7%	7.1812	0.8813
3	17:15:07	20.7986	20.6818	27.1266	25.4658	26.9012	77.7%	6.9692	0.8498
x		20.9834	20.7169	27.4946	25.9804	26.9667	77.3%	7.0446	0.9240
σ		0.1821	0.1562	0.5690	0.8350	0.3221	0.7%	0.1185	0.1023
%RSD		0.8679	0.7541	2.0695	3.2140	1.1943	0.9	1.6826	11.0733
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:35	-0.0956	0.6075	5.2999	5.3706	5.3944	0.0814	0.0818	0.8861
2	17:14:21	-0.3321	0.8228	5.1977	5.1709	5.2985	0.0745	0.0748	0.8272
3	17:15:07	-0.0809	0.4529	5.1804	5.1442	5.2971	0.0773	0.0734	0.8707
x		-0.1695	0.6277	5.2260	5.2286	5.3300	0.0778	0.0767	0.8613
σ		0.1410	0.1858	0.0646	0.1237	0.0558	0.0035	0.0045	0.0306
%RSD		83.1518	29.5930	1.2355	2.3657	1.0464	4.4551	5.8711	3.5507
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:13:35	0.8333	78.0%	83.7%	0.1208	0.1154	0.2064	0.2034	0.2039
2	17:14:21	0.8180	79.9%	85.8%	0.1222	0.1159	0.1998	0.1905	0.1960
3	17:15:07	0.8330	79.5%	85.9%	0.1177	0.1151	0.1949	0.2030	0.1980
x		0.8281	79.1%	85.1%	0.1202	0.1155	0.2004	0.1990	0.1993
σ		0.0088	1.0%	1.3%	0.0023	0.0004	0.0058	0.0074	0.0041
%RSD		1.0579	1.3	1.5	1.9111	0.3662	2.8754	3.7064	2.0532

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:02	92.4%	26.6862	25.7988	25.2451	25.8719	25.2332	82.7%	26.1361
2	17:18:47	95.9%	26.0270	24.8517	24.0767	25.0453	25.2809	82.1%	26.4161
3	17:19:33	94.0%	27.0155	25.9017	25.5759	26.2410	25.3105	84.1%	25.8991
x		94.1%	26.5762	25.5174	24.9659	25.7194	25.2749	82.9%	26.1504
σ		1.8%	0.5034	0.5788	0.7876	0.6122	0.0390	1.0%	0.2588
%RSD		1.9	1.8941	2.2683	3.1548	2.3804	0.1544	1.2	0.9896
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:02	25.8958	25.8580	25.7480	25.9072	25.7093	80.2%	25.5366	24.9160
2	17:18:47	25.2444	25.1909	24.9793	24.4784	24.9045	82.8%	25.0518	25.4018
3	17:19:33	25.9546	26.2431	25.8074	25.6095	26.0994	81.0%	25.9262	24.9965
x		25.6982	25.7640	25.5116	25.3317	25.5711	81.3%	25.5049	25.1048
σ		0.3941	0.5324	0.4619	0.7538	0.6093	1.3%	0.4381	0.2604
%RSD		1.5337	2.0663	1.8105	2.9758	2.3829	1.6	1.7175	1.0371
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:02	25.2478	25.8873	24.9758	25.2822	24.8733	25.0879	25.1583	24.9942
2	17:18:47	24.2578	25.1321	24.7833	25.0550	24.9150	25.0500	25.2586	25.1616
3	17:19:33	25.3899	25.9643	25.6223	25.7137	25.5190	25.5463	25.6957	25.7655
x		24.9652	25.6612	25.1271	25.3503	25.1024	25.2281	25.3709	25.3071
σ		0.6167	0.4599	0.4395	0.3346	0.3614	0.2762	0.2858	0.4057
%RSD		2.4702	1.7921	1.7490	1.3200	1.4396	1.0949	1.1263	1.6032
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:18:02	25.1168	82.6%	85.9%	25.5553	25.1836	25.2570	25.0853	25.1817
2	17:18:47	24.9850	83.9%	88.2%	25.5522	24.7593	24.8988	24.6356	24.7069
3	17:19:33	25.5464	83.0%	86.7%	26.0748	25.2467	25.5224	25.6922	25.5177
x		25.2160	83.2%	87.0%	25.7274	25.0632	25.2260	25.1377	25.1354
σ		0.2936	0.6%	1.2%	0.3008	0.2651	0.3130	0.5302	0.4074
%RSD		1.1642	0.8	1.4	1.1691	1.0577	1.2406	2.1092	1.6208

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User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	52Cr ppb	53Cr ppb	59Co ppb	60Ni ppb	61Ni ppb	62Ni ppb
1	17:24:03	92.8%	26.3191	25.9657	25.0749	25.8400	24.9799	81.7%	25.9548
2	17:24:49	95.5%	25.9564	25.6092	24.8480	25.5306	25.2773	82.5%	26.0013
3	17:25:35	95.1%	25.5843	25.5135	24.8441	25.6305	25.0489	82.5%	25.8216
x		94.5%	25.9533	25.6961	24.9224	25.6670	25.1020	82.2%	25.9259
σ		1.4%	0.3674	0.2383	0.1321	0.1579	0.1556	0.5%	0.0932
%RSD		1.5	1.4156	0.9274	0.5302	0.6152	0.6200	0.6	0.3597
Run	Time	63Cu ppb	65Cu ppb	66Zn ppb	67Zn ppb	68Zn ppb	71Ga ppb	75As ppb	77Se ppb
1	17:24:03	25.8645	26.0194	25.3054	25.1122	25.5790	79.8%	25.4981	24.5007
2	17:24:49	25.6077	25.9456	25.5840	24.9691	25.4078	80.7%	25.4636	24.6835
3	17:25:35	25.6321	25.7720	25.5351	24.9044	25.3430	80.7%	24.9768	25.5215
x		25.7015	25.9123	25.4748	24.9952	25.4433	80.4%	25.3128	24.9019
σ		0.1418	0.1270	0.1488	0.1063	0.1219	0.6%	0.2915	0.5443
%RSD		0.5516	0.4901	0.5839	0.4253	0.4793	0.7	1.1516	2.1859
Run	Time	78Se ppb	82Se ppb	95Mo ppb	97Mo ppb	98Mo ppb	107Ag ppb	109Ag ppb	111Cd ppb
1	17:24:03	24.5805	25.5332	25.0075	25.0846	25.2496	25.0917	25.2097	24.9534
2	17:24:49	24.6891	25.2430	24.7846	24.9908	25.1790	25.1012	25.3551	25.1899
3	17:25:35	24.7447	25.4901	24.9255	25.0067	25.2179	25.2944	25.6084	25.5306
x		24.6714	25.4221	24.9059	25.0274	25.2155	25.1625	25.3911	25.2246
σ		0.0835	0.1566	0.1127	0.0502	0.0354	0.1144	0.2018	0.2901
%RSD		0.3385	0.6160	0.4527	0.2005	0.1403	0.4547	0.7947	1.1502
Run	Time	114Cd ppb	115In ppb	175Lu ppb	203Tl ppb	205Tl ppb	206Pb ppb	207Pb ppb	208Pb ppb
1	17:24:03	24.9077	81.8%	86.0%	25.7292	25.0738	24.9967	24.9611	25.1131
2	17:24:49	24.9245	83.2%	87.7%	25.7253	24.8993	24.9349	24.9526	24.9218
3	17:25:35	25.0189	82.9%	87.3%	25.7221	24.8892	25.1009	24.8611	24.9501
x		24.9503	82.6%	87.0%	25.7255	24.9541	25.0108	24.9250	24.9950
σ		0.0599	0.7%	0.9%	0.0035	0.1038	0.0839	0.0555	0.1033
%RSD		0.2402	0.9	1.0	0.0138	0.4159	0.3355	0.2225	0.4131

*27
6/20/14
not
needed*

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:17	92.6%	0.0051	0.0081	-0.7293	0.0041	0.0997	81.5%	0.4580
2	17:31:03	95.0%	0.0050	-0.0066	-0.8348	0.0043	-0.0455	82.9%	0.2386
3	17:31:49	94.9%	0.0062	0.0024	-0.7466	0.0042	0.0518	83.8%	0.3733
x		94.1%	0.0054	0.0013	-0.7702	0.0042	0.0353	82.7%	0.3566
σ		1.4%	0.0007	0.0074	0.0566	0.0001	0.0740	1.2%	0.1107
%RSD		1.4	12.3283	561.0793	7.3483	2.1717	209.4862	1.4	31.0303
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:17	0.0110	0.0061	0.0105	-0.0400	-0.0084	79.8%	0.1060	-0.3597
2	17:31:03	0.0266	0.0010	0.0070	-0.0147	0.0237	81.8%	-0.0284	-0.3270
3	17:31:49	0.0163	0.0149	0.0037	-0.0809	0.0026	81.4%	-0.0131	-0.0948
x		0.0180	0.0073	0.0071	-0.0452	0.0059	81.0%	0.0215	-0.2605
σ		0.0079	0.0071	0.0034	0.0334	0.0163	1.0%	0.0736	0.1444
%RSD		44.0746	96.6624	48.1423	73.8893	274.9168	1.3	342.2441	55.4376
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:17	-0.6379	0.1977	0.0069	0.0232	0.0419	-0.0117	-0.0077	0.0077
2	17:31:03	-0.6580	-0.1818	0.0031	0.0453	0.0452	-0.0181	-0.0124	0.0158
3	17:31:49	-0.2705	-0.0982	0.0080	0.0430	0.0360	-0.0066	-0.0139	0.0258
x		-0.5221	-0.0275	0.0060	0.0371	0.0410	-0.0121	-0.0113	0.0165
σ		0.2181	0.1994	0.0026	0.0122	0.0047	0.0058	0.0032	0.0091
%RSD		41.7799	726.2547	42.7537	32.7605	11.4134	47.7375	28.2113	55.0712
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:17	-0.0000	81.1%	85.4%	0.0043	0.0033	0.0020	0.0013	0.0014
2	17:31:03	0.0058	83.2%	87.1%	0.0033	0.0015	0.0044	0.0013	0.0031
3	17:31:49	0.0043	82.7%	87.3%	0.0039	0.0028	0.0025	0.0011	0.0022
x		0.0034	82.3%	86.6%	0.0038	0.0025	0.0030	0.0013	0.0022
σ		0.0030	1.1%	1.1%	0.0005	0.0009	0.0012	0.0001	0.0009
%RSD		89.9772	1.3	1.2	12.9984	35.6501	41.5406	8.1880	38.2089

LLCCVW 6/19/2014 5:34:42 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	52Cr	53Cr	59Co	60Ni	61Ni	62Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:42	94.4%	0.2083	1.9543	1.2828	0.2228	2.1285	80.6%	2.1385
2	17:35:27	95.6%	0.2178	1.9424	0.8839	0.2147	2.1128	81.3%	2.4003
3	17:36:13	97.0%	0.2146	1.9553	1.1922	0.2180	2.2955	81.7%	2.0575
x		95.7%	0.2136	1.9507	1.1196	0.2185	2.1790	81.2%	2.1988
σ		1.3%	0.0048	0.0071	0.2091	0.0041	0.1012	0.6%	0.1791
%RSD		1.4	2.2615	0.3664	18.6773	1.8711	4.6459	0.7	8.1471
Run	Time	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As	77Se
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:42	1.0472	1.0352	5.0028	4.3450	4.7948	80.9%	4.9433	10.1534
2	17:35:27	1.0387	0.9960	4.9242	4.5692	4.7446	81.8%	5.1604	9.4035
3	17:36:13	1.0548	1.0397	4.9248	4.7089	4.8098	82.5%	5.0039	9.3131
x		1.0469	1.0236	4.9506	4.5410	4.7831	81.8%	5.0359	9.6233
σ		0.0081	0.0240	0.0452	0.1836	0.0342	0.8%	0.1120	0.4613
%RSD		0.7707	2.3492	0.9131	4.0432	0.7142	1.0	2.2245	4.7935
Run	Time	78Se	82Se	95Mo	97Mo	98Mo	107Ag	109Ag	111Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:42	9.3000	9.8329	0.4633	0.4888	0.4997	0.1267	0.1346	0.1861
2	17:35:27	9.5894	9.7898	0.4494	0.5147	0.5022	0.1412	0.1436	0.2195
3	17:36:13	9.6739	9.2383	0.4729	0.5105	0.5195	0.1432	0.1476	0.1996
x		9.5211	9.6203	0.4619	0.5047	0.5071	0.1370	0.1420	0.2017
σ		0.1961	0.3316	0.0118	0.0139	0.0108	0.0090	0.0067	0.0168
%RSD		2.0596	3.4465	2.5507	2.7567	2.1285	6.5673	4.6962	8.3226
Run	Time	114Cd	115In	175Lu	203Tl	205Tl	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:34:42	0.2154	81.5%	85.0%	0.2180	0.2075	0.2228	0.2016	0.2147
2	17:35:27	0.1971	83.1%	86.3%	0.2124	0.2038	0.2163	0.2175	0.2113
3	17:36:13	0.2093	83.6%	86.9%	0.2031	0.2084	0.2215	0.2101	0.2146
x		0.2073	82.7%	86.1%	0.2111	0.2066	0.2202	0.2097	0.2135
σ		0.0093	1.1%	1.0%	0.0075	0.0025	0.0034	0.0080	0.0019
%RSD		4.5075	1.3	1.2	3.5638	1.1895	1.5536	3.8056	0.8943



Organochlorine Pesticides

ALS Environmental—Kelso Laboratory
1317 South 13th Avenue, Kelso, WA 98626
Phone (360)577-7222 Fax (360)636-1068
www.alsglobal.com

Exception Report

Data File: J:\GC23\DATA\061114\0611F078.D
Lab ID: K1405572-001
RunType: SMPL
Matrix: WATER

Date Acquired: 06/11/2014 19:41
Date Quantitated: 06/12/2014 09:01
Batch ID: KWG1405590
Analysis Method: 8081B
ListJoinID: LJ13160

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA		x
Duplicate Lab Control Spike	NA	NA	NA		x
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Second Source ICAL Verification	Endrin Aldehyde	21.1	NA	20	10
Lab Control Spike	Toxaphene {1}	0	36	137	MCAIS
Duplicate Lab Control Spike	Toxaphene {1}	0	36	137	
Analyte Co-elution	1-Bromo-2-nitrobenzene	6.06	NA	NA	SA
	1-Bromo-2-nitrobenzene {2}	6.06	NA	NA	
	1-Bromo-2-nitrobenzene {3}	6.06	NA	NA	
	1-Bromo-2-nitrobenzene {4}	6.06	NA	NA	

Primary Review: SMG/2/14

Secondary Review: W

Exception Report

Data File: J:\GC23\DATA\061114\0611F078.D\0611F078C.D
Lab ID: K1405572-001
RunType: SMPL
Matrix: WATER

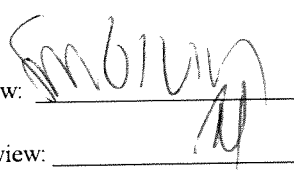
Date Acquired: 06/11/2014 19:41
Date Quantitated: 06/12/2014 09:01
Batch ID: KWG1405590
Analysis Method: 8081B
ListJoinID: LJ13160

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA		x
Duplicate Lab Control Spike	NA	NA	NA		x
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Lab Control Spike	Toxaphene {1}	0	36	137	MCAB
Duplicate Lab Control Spike	Toxaphene {1}	0	36	137	MCAB
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.48	NA	NA	SB
	2,4'-DDT	13.21	NA	NA	Co
	1-Bromo-2-nitrobenzene {2}	5.48	NA	NA	SA
	1-Bromo-2-nitrobenzene {3}	5.48	NA	NA	SA
	1-Bromo-2-nitrobenzene {4}	5.48	NA	NA	SA
	cis-Nonachlor	13.21	NA	NA	Co

Primary Review: 

Secondary Review: _____

Quantitation Report

Data File #1:	J:\GC23\DATA\061114\0611F078.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F078.D\0611F078c.d	Vial:	7
Acqu Date:	06/11/2014 19:41	Quant Date:	06/12/2014 09:01
Run Type:	SMPL	Dilution:	1.0
Lab ID:	K1405572-001	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:		Tier:	V	Matrix:	WATER
Prod Code:	8081B Pest OC	Collect Date:	06/03/2014	Receive Date:	06/04/2014

Analysis Lot:	KWG1405590	Prep Lot:	KWG1405470	Report Group:	K1405572
Analysis Method:	8081B	Prep Method:	EPA 3535A		
Prep Ref:	1346999	Prep Date:	06/09/2014		

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL13214
Title:	Organochlorine Pesticides	Report List ID:	LJ13160
MB Ref:	J:\GC23\DATA\061114\0611F087.D	Method ID:	MJ1013
		Quant based on Report List	

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	6.06 ^{-0.10c}	5.48 ^{-0.07c}	2013357	834307	100.00	100.00
2	1-Bromo-2-nitrobenzene {2}	6.06 ^{+0.14c}	5.48 ^{+0.09c}	2013357	834307	100.00	100.00
3	1-Bromo-2-nitrobenzene {3}	6.06 ^{+0.06c}	5.48 ^{+0.04c}	2013357	834307	100.00	100.00
4	1-Bromo-2-nitrobenzene {4}	6.06 ^{+0.14c}	5.48 ^{+0.09c}	2013357	834307	100.00	100.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2	Rpt
1	Tetrachloro-m-xylene	8.81	7.27	1816609	785903	75.63	71.38	76 OK
				%Recovery =		76 OK	71 OK	Limits = 20-106
1	Decachlorobiphenyl	18.51 ^{+0.01}	17.08 ^{+0.01}	1803698	734614	86.09	78.72	86 OK
				%Recovery =		86 OK	79 OK	Limits = 19-127

Target Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	Final Conc. Units: ug/L				Rpt
						ug/L #1	ug/L #2	ug/L #1	ug/L #2	
1	alpha-BHC		8.47 ^{-0.03}	0d	2012	0.0000	0.1520	0.00034U	0.00034U	0.00034U
1	beta-BHC		9.80 ^{+0.02}	0d	1776	0.0000	0.2910	0.00085U	0.00085U	0.00085U
1	gamma-BHC (Lindane)		9.23 ^{-0.02}	0d	6060	0.0000	0.4950	0.00045U	0.0010J	0.00045U
1	delta-BHC			0d	0	0.0000	0.0000	0.00059U	0.00059U	0.00059U
1	Heptachlor		9.94 ^{+0.01}	0	19454	0.0000	1.70	0.00037U	0.0035J	0.00037U
1	Aldrin	12.06	10.54 ^{+0.02}	4162	1199	0.1470	0.0950	0.00041U	0.00041U	0.00041U
1	Heptachlor Epoxide		11.58 ^{-0.02}	0	2484	0.0000	0.2210	0.00033U	0.00045J	0.00033U
1	gamma-Chlordane	13.32 ^{+0.02}		6397	0	0.2420	0.0000	0.00049J	0.00033U	0.00033U
1	Endosulfan I	13.43		10519	0	0.4470	0.0000	0.00091J	0.00045U	0.00045U

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 ? : Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC23\DATA\061114\0611F078.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F078.D\0611F078c.d	Vial:	7
Acqu Date:	06/11/2014 19:41	Quant Date:	06/12/2014 09:01
Run Type:	SMPL	Dilution:	1.0
Lab ID:	K1405572-001	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Target Compounds					Final Conc. Units: ug/L					
IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/L #1	ug/L #2	Rpt
1	alpha-Chlordane		12.12 ^{-0.01}	0d	1818	0.0000	0.1580	0.0041U	0.0041U	0.0041U
1	Dieldrin		12.61 ^{-0.03}	0d	191113	0.0000	16.68	0.00036U	0.034	0.00036U
1	4,4'-DDE	13.67 ^{+0.01}	12.47 ^{-0.02}	7440	3205m	0.2930	0.2820	0.00060J	0.00058J	0.00058J
1	Endrin	14.21 ^{-0.01}	13.08 ^{-0.04}	2514	3888	0.1150	0.3950	0.00070U	0.00081J	0.00070U
1	Endosulfan II	14.67 ^{+0.01}	13.53 ^{-0.02}	8445	5972m	0.3880	0.6340	0.00079J	0.0013J	0.00079J
1	4,4'-DDD		13.37 ^{-0.01}	0	1168	0.0000	0.1320	0.0016U	0.0016U	0.0016U
1	Endrin Aldehyde	14.86 ^{+0.02}		2783	0	0.1950	0.0000	0.00047U	0.00047U	0.00047U
1	4,4'-DDT	15.00	13.79 ^{-0.01}	10560	605m	0.5740	0.0720	0.0012J	0.00060U	0.00060U
1	Endrin Ketone		15.15 ^{-0.04}	0d	11706	0.0000	1.08	0.00068U	0.0022J	0.00068U
1	Methoxychlor	15.75 ^{+0.01}	14.92 ^{+0.01}	6033	5744m	0.6180	1.34	0.0013J	0.0027J	0.0013JP
1	2,4'-DDE			0	0	0.0000	0.0000	0.00052U	0.00052U	0.00052U
1	2,4'-DDD	13.79 ^{-0.02}	12.78 ^{-0.01}	3038	1223	0.1980	0.1820	0.00059U	0.00059U	0.00059U
1	2,4'-DDT		13.21 ^c	0d	4972	0.0000	0.6970	0.00061U	0.0014J	0.00061U
2	Toxaphene {1}	14.59 ^{-0.01}	13.59 ^{-0.01}	2735	1592	20.56	9.81	0.053U	0.053U	0.056J
	Toxaphene			0	0	29.40	27.50	0.060J	0.056J	0.056J
2	Toxaphene {2}	14.67 ^{+0.01}	13.65 ^{-0.02}	8445	3158	43.05	49.36	0.088J	0.10J	0.10J
2	Toxaphene {3}	14.79 ^{+0.01}		11196	0d	24.37	0.0000	0.053U	0.053U	0.053U
2	Toxaphene {4}	14.86 ^{+0.01}	14.28 ^{-0.01}	2783	3050	9.52	29.09	0.053U	0.059J	0.059J
2	Toxaphene {5}	15.17 ^{-0.02}	14.69 ^{+0.02}	14762	4244	49.49	21.73	0.10J	0.053U	0.053U
2	Toxaphene {6}			0	0d	0.0000	0.0000	0.053U	0.053U	0.053U
3	Chlordane {1}	11.10 ^{+0.01}	9.60 ^{+0.03}	7931	2445	0.8060	7.13	0.023U	0.023U	0.023U
	Chlordane			0	0	1.42	4.48	0.023U	0.023U	0.023U
3	Chlordane {2}			0	0d	0.0000	0.0000	0.023U	0.023U	0.023U
3	Chlordane {3}			0d	0	0.0000	0.0000	0.023U	0.023U	0.023U
3	Chlordane {4}	13.32 ^{+0.02}		6397	0	2.03	0.0000	0.023U	0.023U	0.023U
3	Chlordane {5}			0d	0d	0.0000	0.0000	0.023U	0.023U	0.023U
3	Chlordane {6}		12.12 ^{-0.01}	0d	1818	0.0000	1.83	0.023U	0.023U	0.023U
4	Oxychlordane	12.74 ^{-0.01}		16227	0	0.7550	0.0000	0.0015J	0.0011U	0.0011U
4	cis-Nonachlor		13.21 ^{-0.01 c}	0	4972	0.0000	0.4140	0.00062U	0.00084J	0.00062U
4	trans-Nonachlor	13.49 ^{+0.03}		10849	0	0.4220	0.0000	0.00094U	0.00094U	0.00094U
4	Mirex			0d	0d	0.0000	0.0000	0.00083U	0.00083U	0.00083U

The +/- after Retention Time symbolize the direction of the RT shift

Prep Amount: 980 mL Dilution: 1.0
 Prep Final Vol: 2 mL Unit Factor: 1

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / Prep Amount) x Unit Factor

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound
 D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis
 *: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Signal #1 : J:\GC23\DATA\061114\0611F078.D\ECD1A.CH Vial: 7
 Signal #2 : J:\GC23\DATA\061114\0611F078.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:41 pm Operator: SMURRAY
 Sample : K1405572-001 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:09:20 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

Internal Standards						
1) i 1-Bromo-2-nitrob	6.06	5.48	2013357	834307	100.000	100.000
29) 1-Bromo-2-nitrob	6.06	5.48	2013357	834307	100.000	100.000
36) 1-Bromo-2-nitrob	6.06	5.48	2013357	834307	100.000	100.000
43) 1-Bromo-2-nitrob	6.06	5.48	2013357	834307	100.000	100.000
System Monitoring Compounds						
2) s Tetrachloro-m-xy	8.81	7.27	1816609	785903	75.630	71.383
28) s Decachlorobiphen	18.51	17.08	1803698	734614	86.090	78.717
Target Compounds						
3) alpha-BHC	0.00	8.47	0	2012	N.D. d	0.152
4) Hexachlorobenzen	0.00	8.28	0	1310	N.D. d	0.103
5) beta-BHC	0.00	9.80f	0	1776	N.D. d	0.291
6) gamma-BHC (Linda	0.00	9.23	0	6060	N.D. d	0.495
8) Heptachlor	0.00	9.94	0	19454	N.D.	1.702 #
9) Aldrin	12.06	10.54f	4162	1199	0.147	0.095 #
10) Isodrin	12.61	11.31	150997	8883	6.379	0.848 #
11) Heptachlor Epoxi	0.00	11.58	0	2484	N.D.	0.221 #
12) gamma-Chlordane	13.32	0.00	6397	0	0.242	N.D. #
13) Endosulfan I	13.43	0.00	10519	0	0.447	N.D. #
14) alpha-Chlordane	0.00	12.12	0	1818	N.D. d	0.158
15) Dieldrin	0.00	12.61	0	191113	N.D. d	16.683
16) 4,4'-DDE	13.67	12.47	7440	3205	0.293	0.282m
17) Endrin	14.21	13.08f	2514	3888	0.115	0.395 #
18) Endosulfan II	14.67	13.53	8445	5972	0.388	0.634m#
19) 4,4'-DDD	0.00	13.37	0	1168	N.D.	0.132 #
20) Endrin Aldehyde	14.86	0.00	2783	0	0.195	N.D. #
21) Endosulfan Sulfa	15.31	0.00	9556	0	0.496	N.D. #
22) 4,4'-DDT	15.00	13.79	10560	605	0.574	0.072m#
23) Endrin Ketone	0.00	15.15f	0	11706	N.D. d	1.081
24) Methoxychlor	15.75	14.92	6033	5744	0.618	1.338m#
26) 2,4'-DDD	13.79	12.78	3038	1223	0.198	0.182
27) 2,4'-DDT	0.00	13.21	0	4972	N.D. d	0.697
30) Toxaphene	14.59	13.59	2735	1592	20.560	9.808 #
31) Toxaphene {2}	14.67	13.65	8445	3158	43.047	49.362

Signal #1 : J:\GC23\DATA\061114\0611F078.D\ECD1A.CH Vial: 7
 Signal #2 : J:\GC23\DATA\061114\0611F078.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:41 pm Operator: SMURRAY
 Sample : K1405572-001 Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:09:20 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

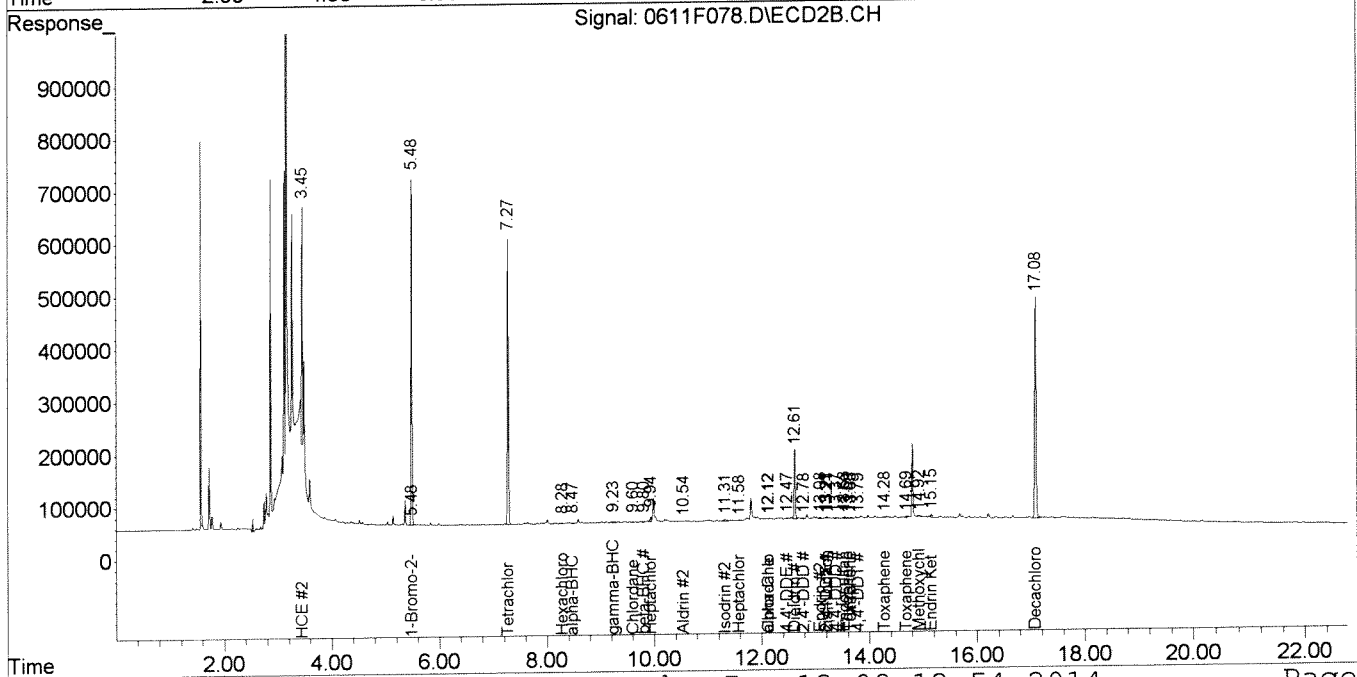
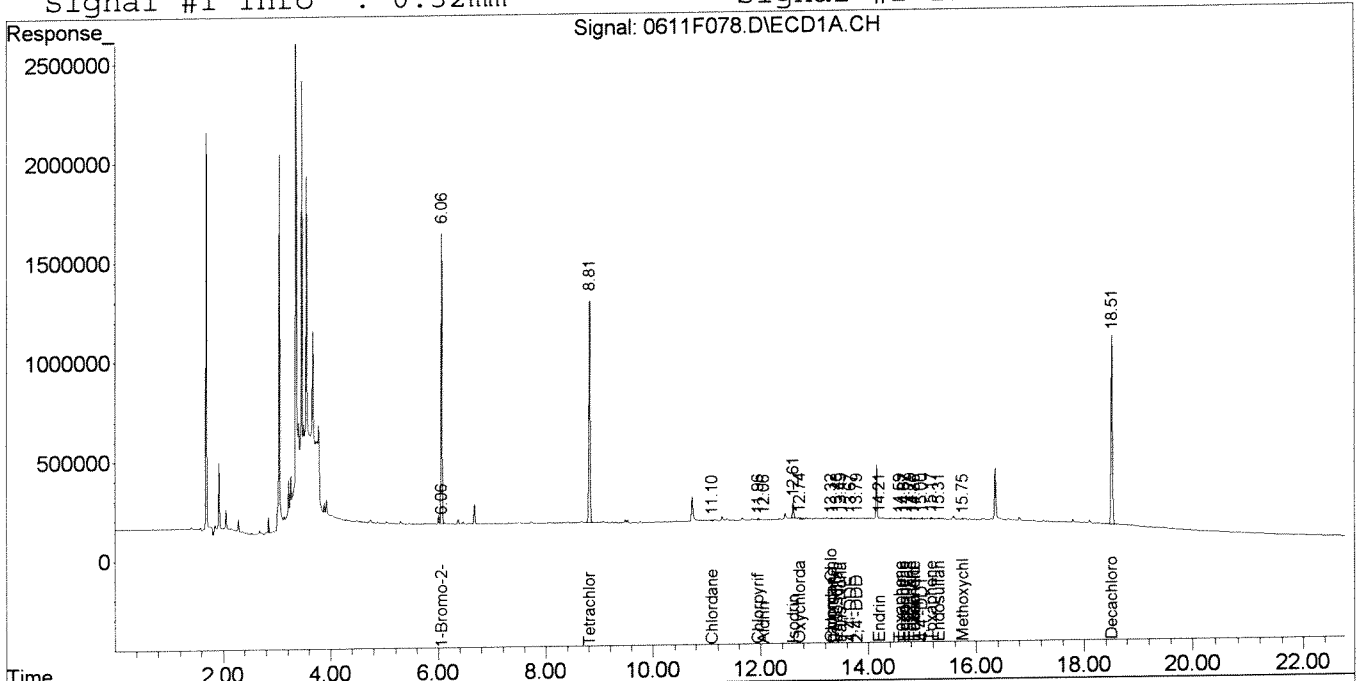
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
32) Toxaphene {3}	14.79	0.00	11196	0	24.368	N.D. d#
33) Toxaphene {4}	14.86	14.28	2783	3050	9.515	29.085 #
34) Toxaphene {5}	15.17	14.69	14762	4244	49.489	21.728 #
37) Chlordane	11.10	9.60f	7931	2445	0.806	7.134 #
40) Chlordane {4}	13.32	0.00	6397	0	2.031	N.D. #
42) Chlordane {6}	0.00	12.12	0	1818	N.D. d	1.830
44) Chlorpyrifos	11.96f	0.00	14259	0	1.313	N.D. d#
45) Oxychlordane	12.74	0.00	16227	0	0.755	N.D. #
46) cis-Nonachlor	0.00	13.21	0	4972	N.D.	0.414 #
47) trans-Nonachlor	13.49f	0.00	10849	0	0.422	N.D. #
49) HCE	0.00	3.45	0	498291	N.D. d	25.766

Signal #1 : J:\GC23\DATA\061114\0611F078.D\ECD1A.CH Vial: 7
 Signal #2 : J:\GC23\DATA\061114\0611F078.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:41 pm Operator: SMURRAY
 Sample : K1405572-001 Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 9:01 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

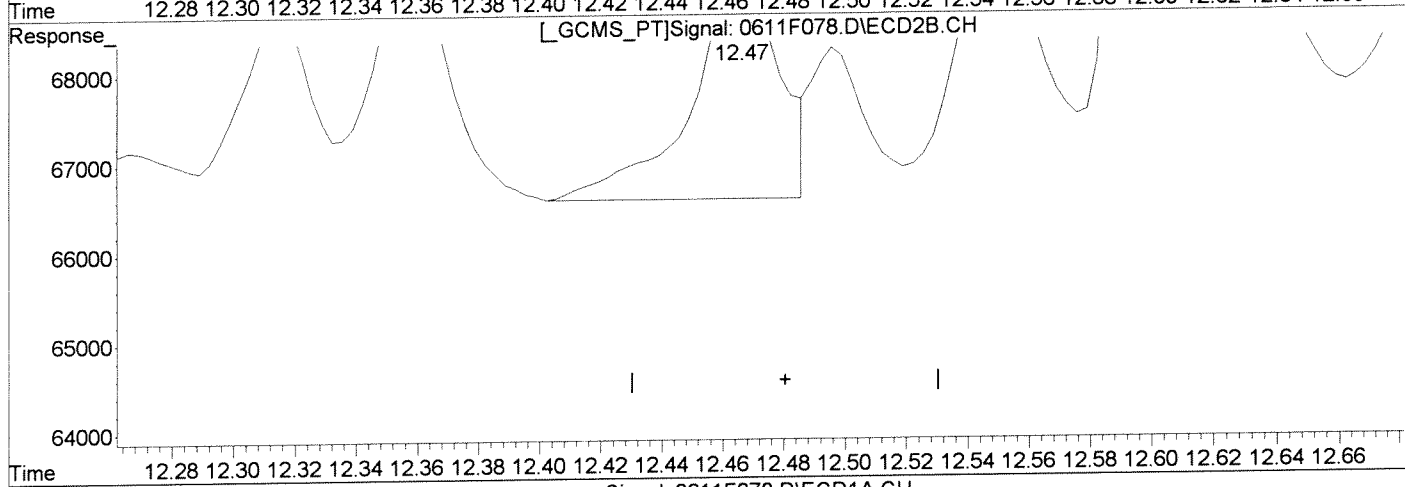
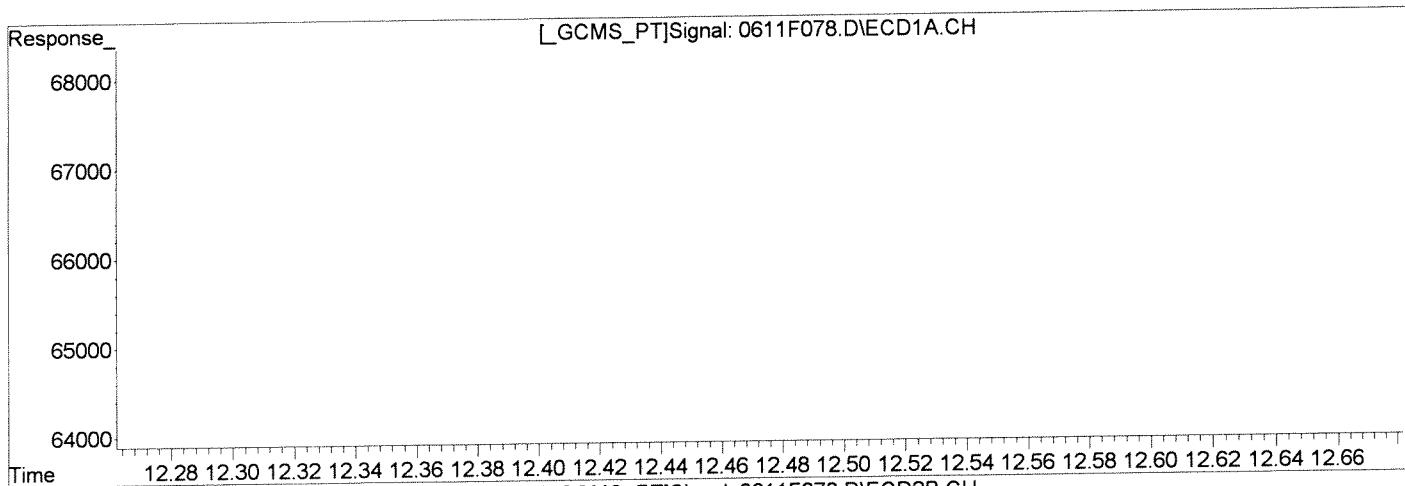
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F078.D\ECD1A.CH Vial: 7
 Signal #2 : J:\GC23\DATA\061114\0611F078.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:41 pm Operator: SMURRAY
 Sample : K1405572-001 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



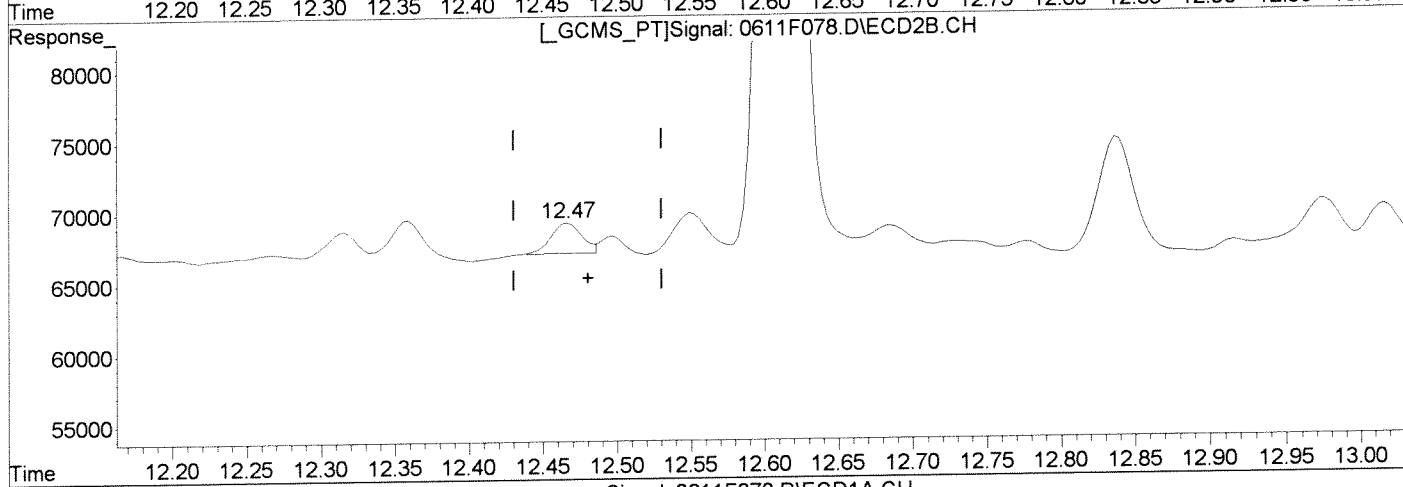
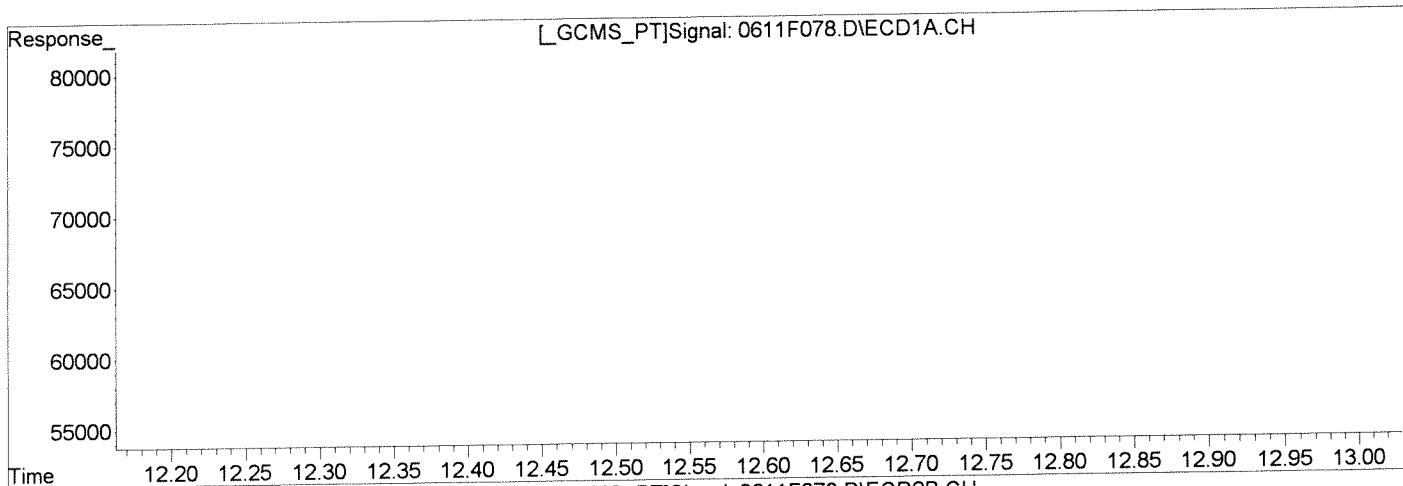
Signal: 0611F078.D\ECD1A.CH		Manual Integration:
(16) 4,4'-DDE	13.67min 0.293ug/L	Before
response 7440		06/12/14
(16) 4,4'-DDE #2	12.47min 0.445ug/L	
response 5060		

(+) = Expected Retention Time
 0611F078.D GC23-031714-8081.M Thu Jun 12 08:58:25 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F078.D\ECD1A.CH Vial: 7
 Signal #2 : J:\GC23\DATA\061114\0611F078.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:41 pm Operator: SMURRAY
 Sample : K1405572-001 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F078.D\ECD1A.CH		Manual Integration:
(16) 4,4'-DDE	13.67min 0.293ug/L	After
response 7440		Baseline/Shoulder
		06/12/14
(16) 4,4'-DDE #2	12.47min 0.282ug/L m	
response 3205		

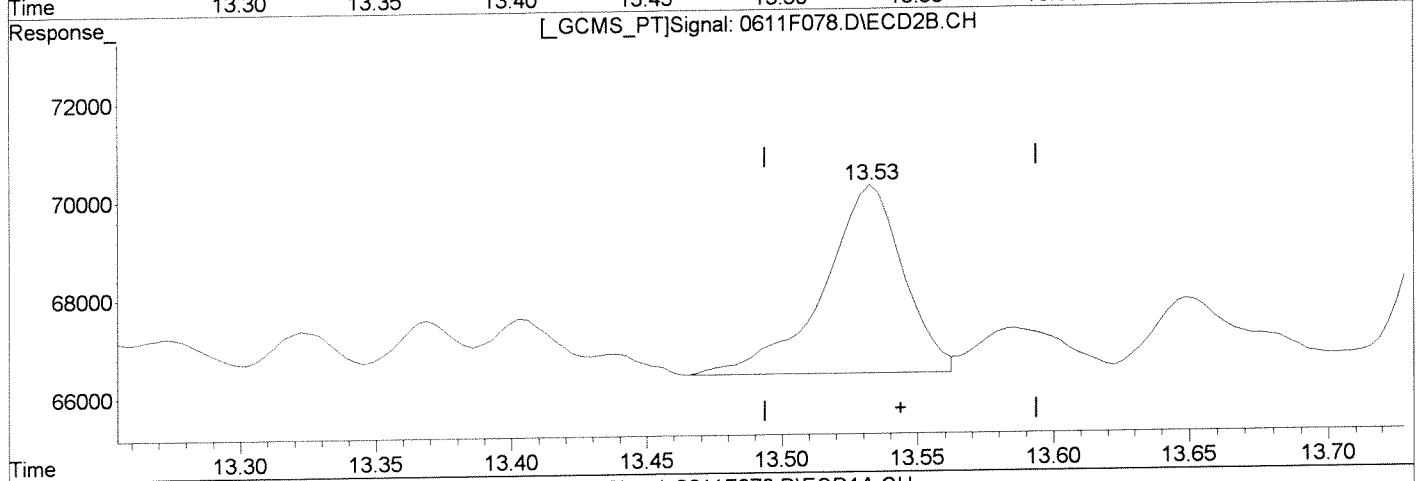
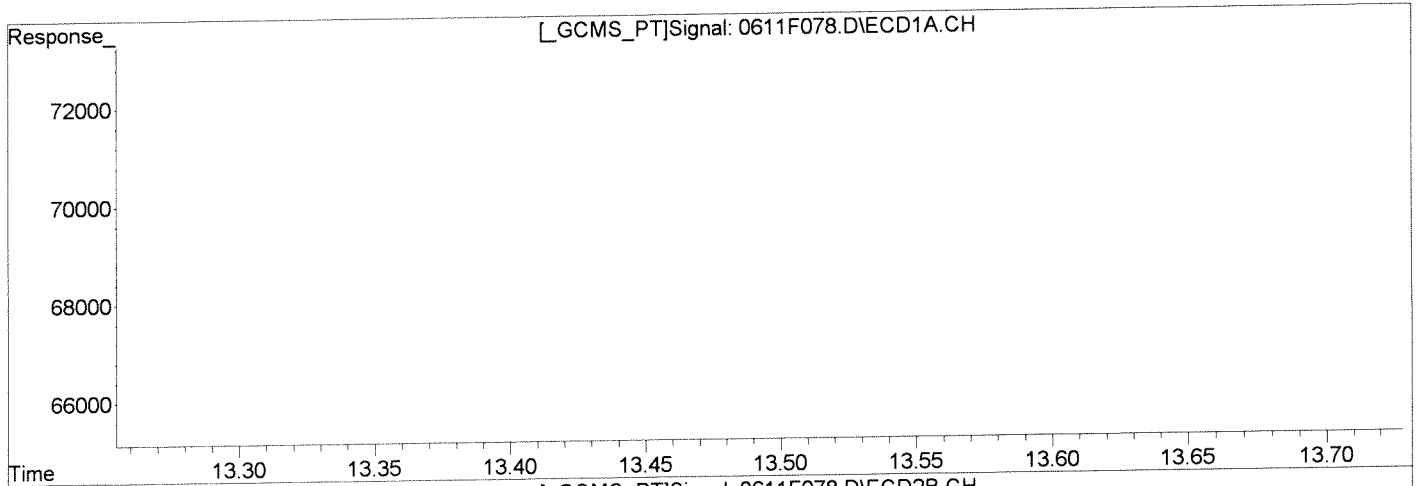
(+) = Expected Retention Time
 0611F078.D GC23-031714-8081.M

Thu Jun 12 08:58:29 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F078.D\ECD1A.CH Vial: 7
Signal #2 : J:\GC23\DATA\061114\0611F078.D\ECD2B.CH
Acq On : 11 Jun 2014 7:41 pm Operator: SMURRAY
Sample : K1405572-001 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F078.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response	Integration Status
14.67	0.388	8445	Manual Integration: Before
13.53	0.831	7833	06/12/14

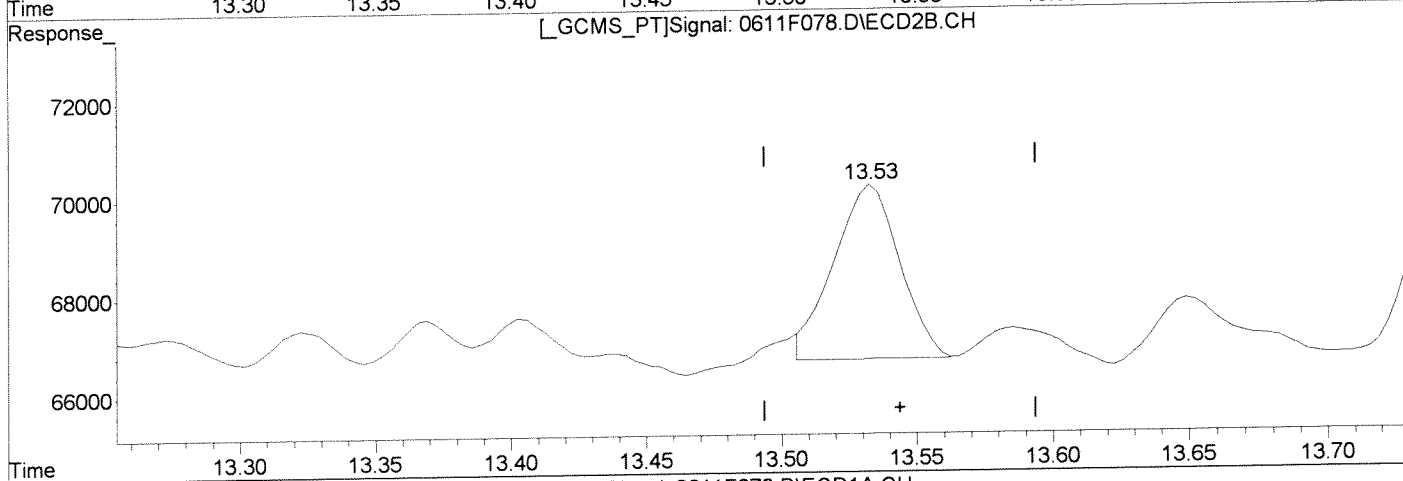
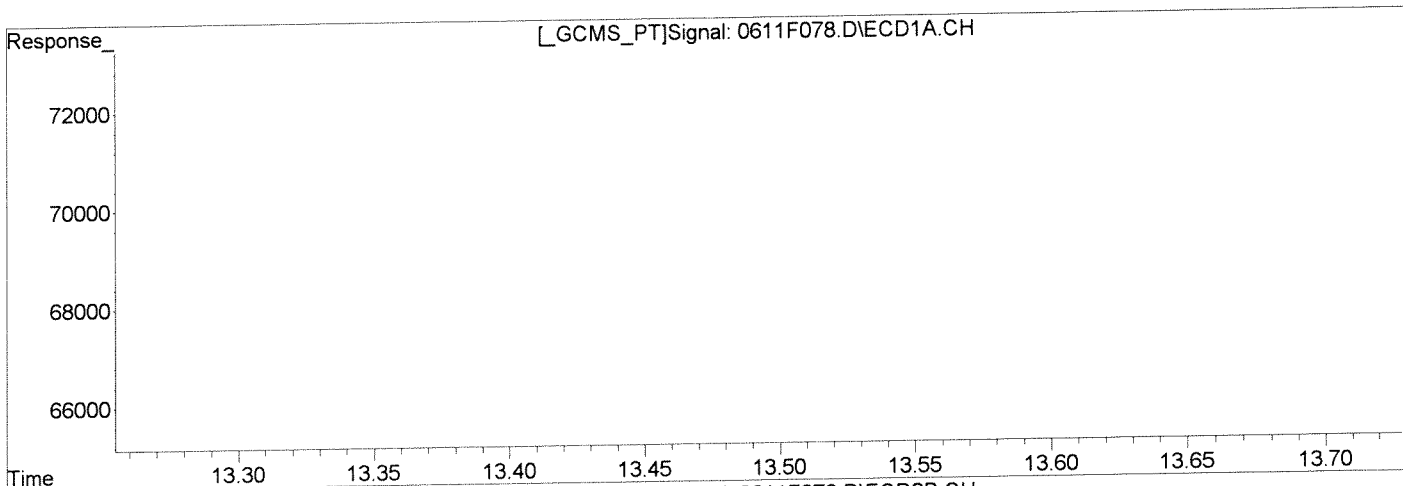
(+) = Expected Retention Time
0611F078.D GC23-031714-8081.M

Thu Jun 12 08:58:36 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F078.D\ECD1A.CH Vial: 7
 Signal #2 : J:\GC23\DATA\061114\0611F078.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:41 pm Operator: SMURRAY
 Sample : K1405572-001 Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F078.D\ECD1A.CH

(18) Endosulfan II	Manual Integration:
14.67min 0.388ug/L	After
response 8445	Baseline/Shoulder
	06/12/14
(18) Endosulfan II #2	
13.53min 0.634ug/L m	
response 5972	

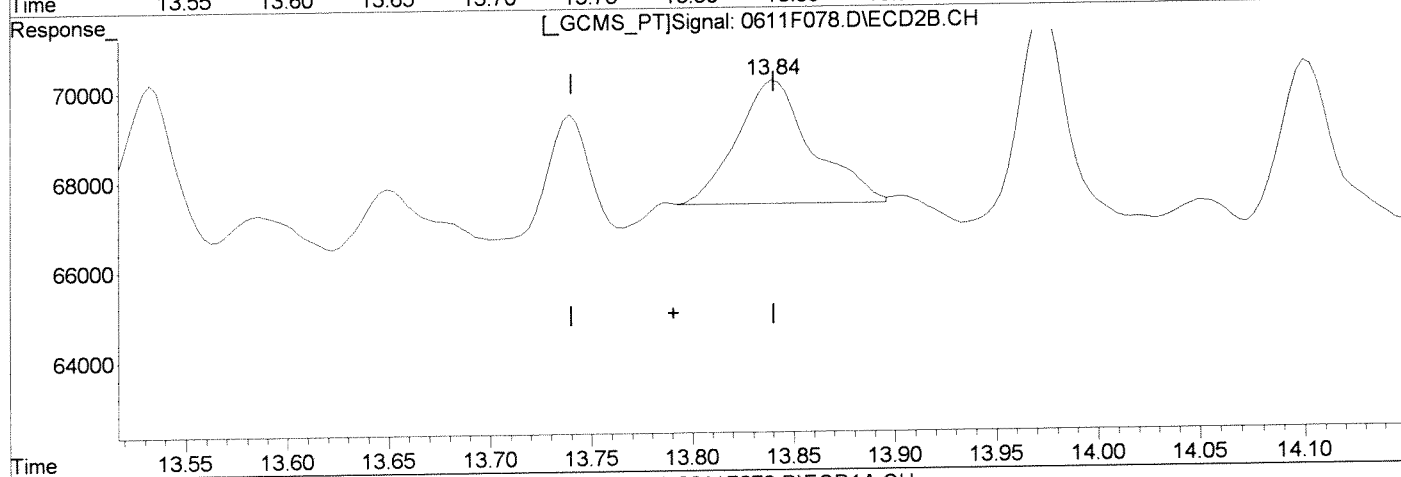
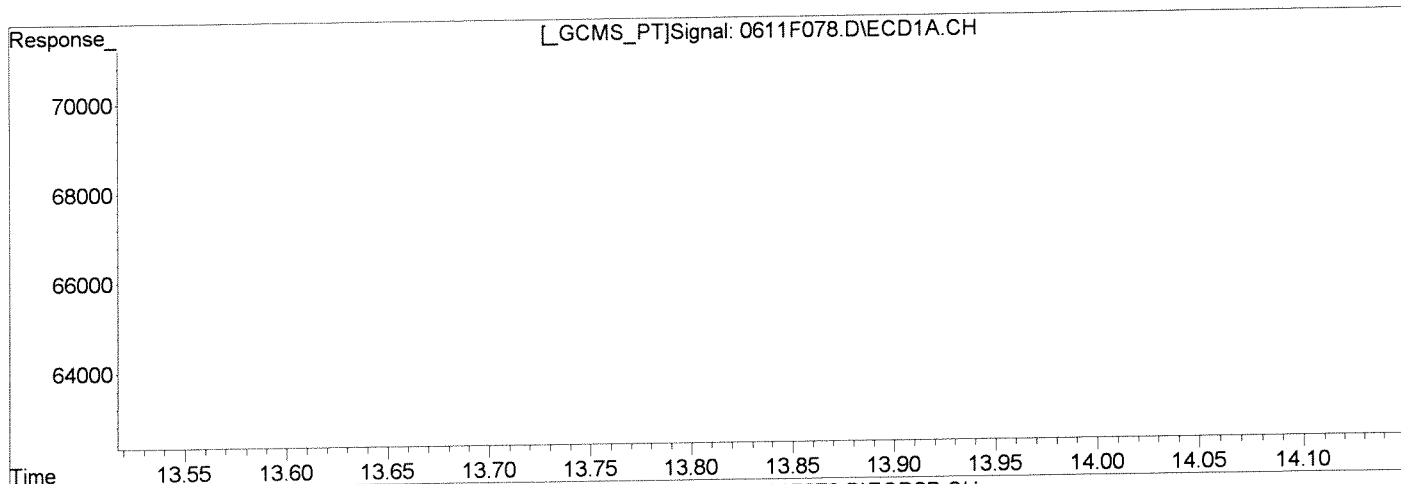
(+) = Expected Retention Time
 0611F078.D GC23-031714-8081.M


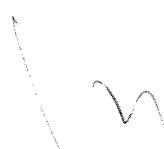
Thu Jun 12 08:58:40 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F078.D\ECD1A.CH Vial: 7
 Signal #2 : J:\GC23\DATA\061114\0611F078.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:41 pm Operator: SMURRAY
 Sample : K1405572-001 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F078.D\ECD1A.CH		Manual Integration:
(22) 4,4'-DDT		Before
15.00min 0.574ug/L		06/12/14 
response 10560		
(22) 4,4'-DDT #2		
13.84min 0.838ug/L		
response 7045		

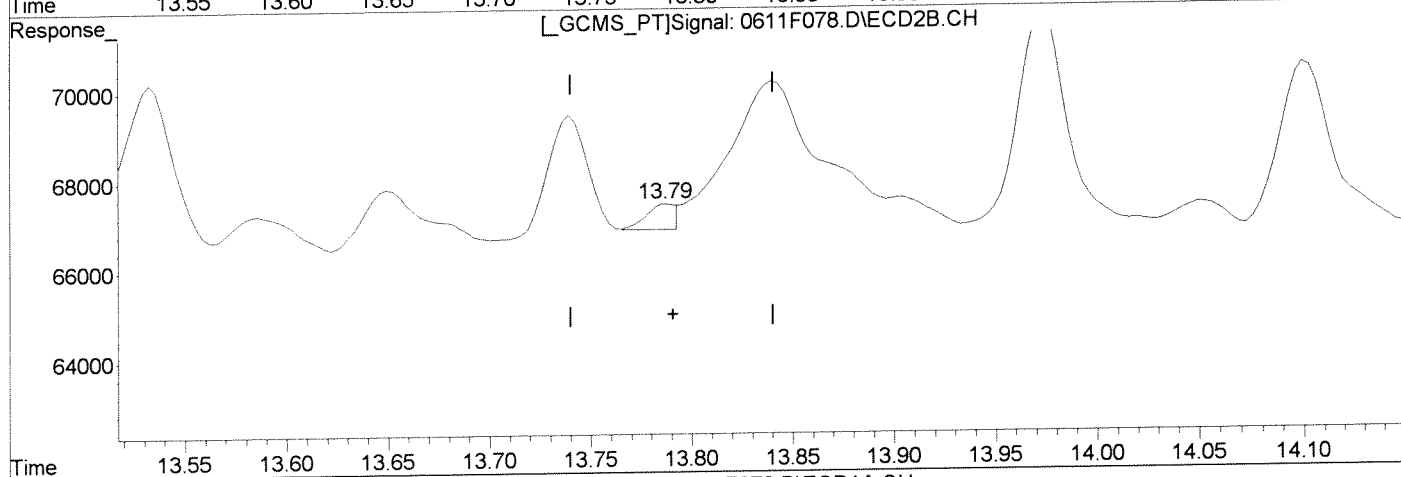
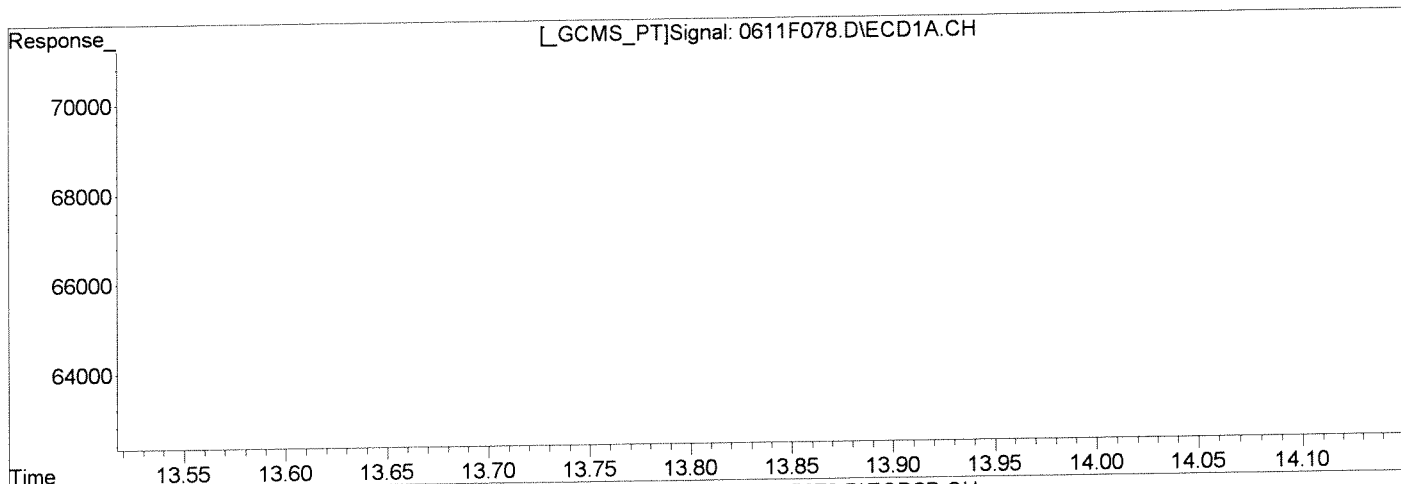
(+) = Expected Retention Time
 0611F078.D GC23-031714-8081.M

Thu Jun 12 08:58:48 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F078.D\ECD1A.CH Vial: 7
 Signal #2 : J:\GC23\DATA\061114\0611F078.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:41 pm Operator: SMURRAY
 Sample : K1405572-001 Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F078.D\ECD1A.CH		Manual Integration:
(22) 4,4'-DDT		After
15.00min 0.574ug/L		Wrong Peak
response 10560		06/12/14
(22) 4,4'-DDT #2		
13.79min 0.072ug/L m		
response 605		

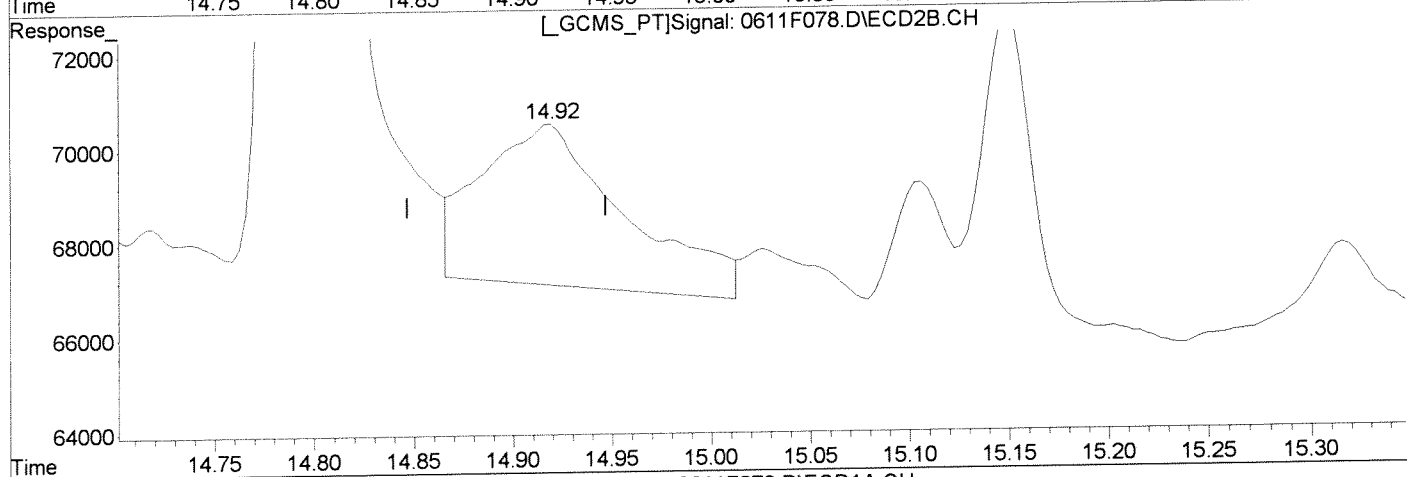
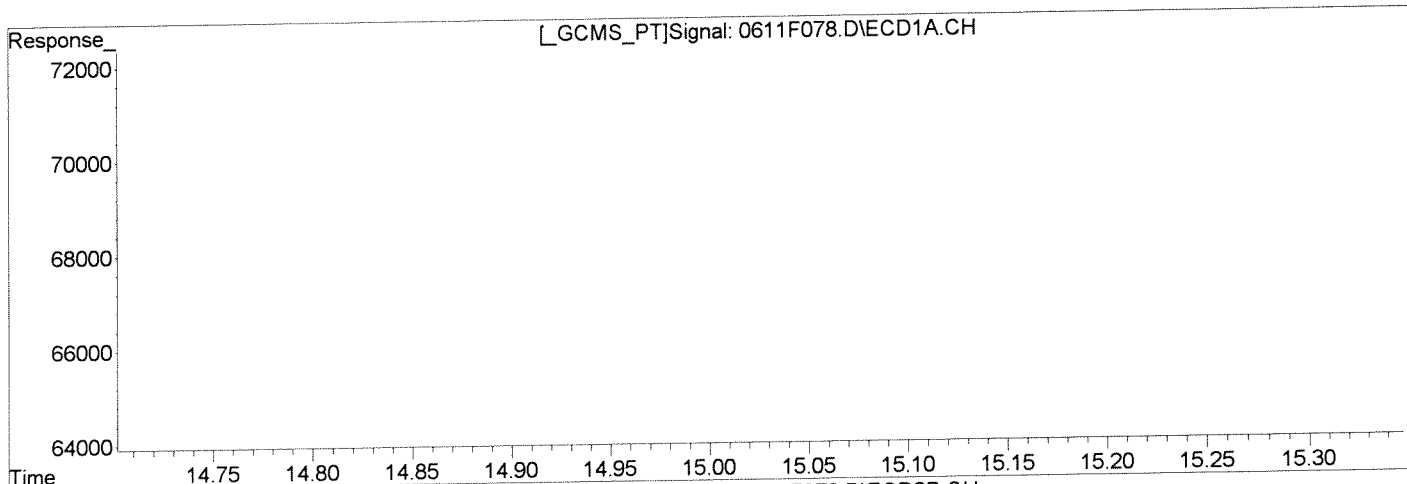
(+) = Expected Retention Time
 0611F078.D GC23-031714-8081.M

Thu Jun 12 08:58:52 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F078.D\ECD1A.CH Vial: 7
 Signal #2 : J:\GC23\DATA\061114\0611F078.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:41 pm Operator: SMURRAY
 Sample : K1405572-001 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F078.D\ECD1A.CH

(24) Methoxychlor	Manual Integration:
15.75min 0.618ug/L	Before
response 6033	06/12/14
(24) Methoxychlor #2	
14.92min 4.003ug/L	
response 17187	

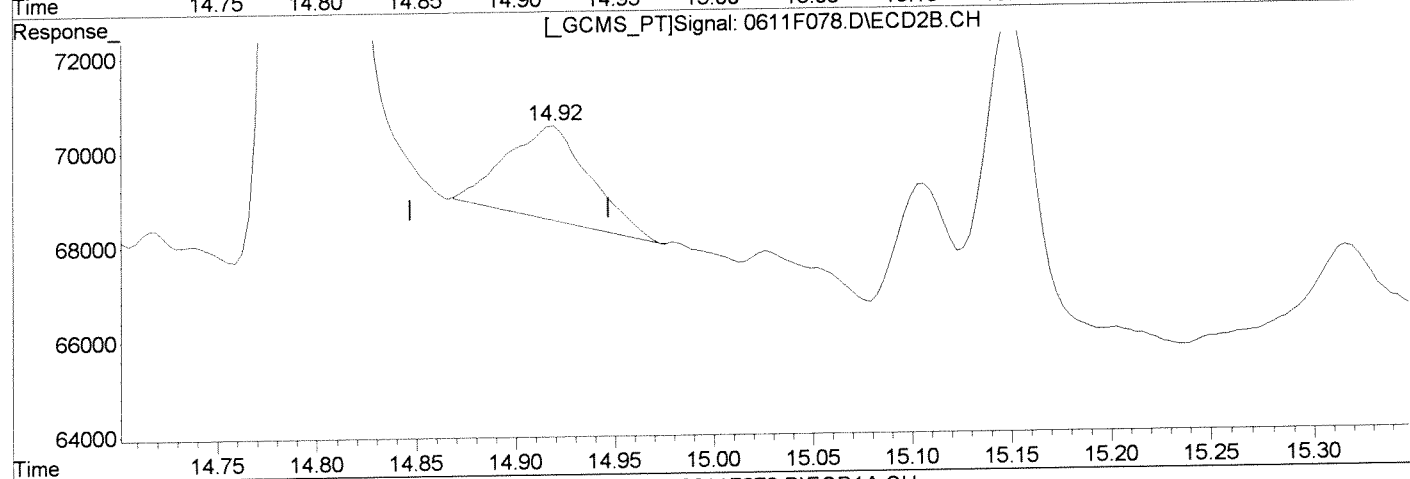
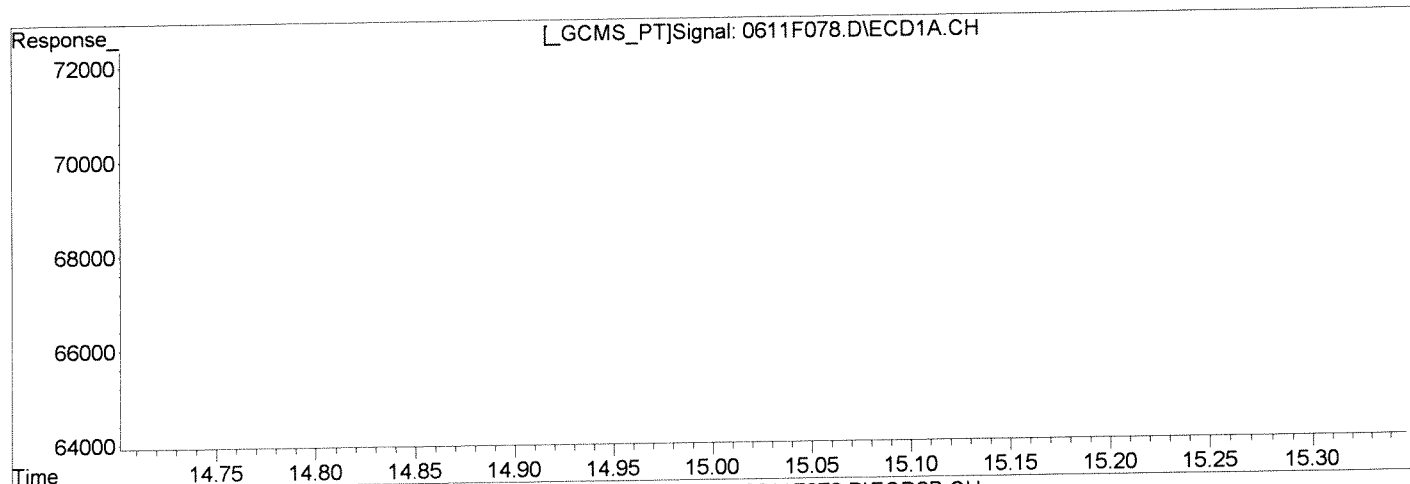
(+) = Expected Retention Time
 0611F078.D GC23-031714-8081.M

Thu Jun 12 08:58:59 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F078.D\ECD1A.CH Vial: 7
 Signal #2 : J:\GC23\DATA\061114\0611F078.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:41 pm Operator: SMURRAY
 Sample : K1405572-001 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F078.D\ECD1A.CH		Manual Integration:
(24) Methoxychlor		After
15.75min 0.618ug/L		Baseline/Shoulder
response 6033		06/12/14
(24) Methoxychlor #2		
14.92min 1.338ug/L m		
response 5744		

(+) = Expected Retention Time
 0611F078.D GC23-031714-8081.M

Thu Jun 12 08:59:02 2014

Exception Report

Data File: J:\GC23\DATA\061114\0611F087.D
Lab ID: KWG1405470-9
Run Type: MB
Matrix: WATER

Date Acquired: 06/12/2014 00:07
Date Quantitated: 06/12/2014 09:12
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Second Source ICAL Verification	Endrin Aldehyde	21.1	NA	20	ICW
Analyte Co-elution	1-Bromo-2-nitrobenzene	6.05	NA	NA	SN
	1-Bromo-2-nitrobenzene {2}	6.05	NA	NA	
	1-Bromo-2-nitrobenzene {3}	6.05	NA	NA	
	1-Bromo-2-nitrobenzene {4}	6.05	NA	NA	

1

Primary Review: Sam 6/12/14
 Secondary Review: [Signature]

Exception Report

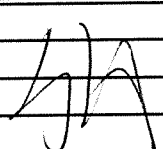
Data File: J:\GC23\DATA\061114\0611F087.D\0611F087C.D
Lab ID: KWG1405470-9
RunType: MB
Matrix: WATER

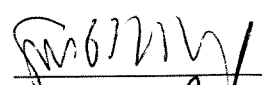
Date Acquired: 06/12/2014 00:07
Date Quantitated: 06/12/2014 09:12
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

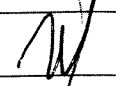
Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.47	NA	NA	
	1-Bromo-2-nitrobenzene {2}	5.47	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.47	NA	NA	
	1-Bromo-2-nitrobenzene {4}	5.47	NA	NA	

Primary Review: 

Secondary Review: 

Quantitation Report

Data File #1:	J:\GC23\DATA\061114\0611F087.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F087.D\0611F087c.d	Vial:	16
Acqu Date:	06/12/2014 00:07	Quant Date:	06/12/2014 09:12
Run Type:	MB	Dilution:	1.0
Lab ID:	KWG1405470-9	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:		Tier:		Matrix:	WATER
Prod Code:	8081B Pest OC	Collect Date:		Receive Date:	06/10/2014

Analysis Lot:	KWG1405590	Prep Lot:	KWG1405470	Report Group:	
Analysis Method:	8081B	Prep Method:	EPA 3535A		
Prep Ref:	1347009	Prep Date:	06/09/2014		

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL13214
Title:		Method ID:	MJ1013
MB Ref:		Quant based on Method	

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	6.05 ^{-0.11c}	5.47 ^{-0.09c}	2105998	834221	100.00	100.00
2	1-Bromo-2-nitrobenzene {2}	6.05 ^{+0.13c}	5.47 ^{+0.08c}	2105998	834221	100.00	100.00
3	1-Bromo-2-nitrobenzene {3}	6.05 ^{+0.05c}	5.47 ^{+0.03c}	2105998	834221	100.00	100.00
4	1-Bromo-2-nitrobenzene {4}	6.05 ^{+0.13c}	5.47 ^{+0.08c}	2105998	834221	100.00	100.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2	Rpt
1	Tetrachloro-m-xylene	8.80 ^{-0.01}	7.26 ^{-0.01}	1853680	808483	73.76	73.44	74 OK
				%Recovery =		74 OK	73 OK	Limits = 20-106
1	Decachlorobiphenyl	18.50	17.06 ^{-0.01}	1786309	719739	81.20	77.13	81 OK
				%Recovery =		81 OK	77 OK	Limits = 19-127

Target Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	Final Conc. Units: ug/L				Rpt
						ug/L #1	ug/L #2	ug/L #1	ug/L #2	
1	alpha-BHC			0	0	0.0000	0.0000	0.00033U	0.00033U	0.00033U
1	Hexachlorobenzene		8.27 ^{-0.01}	0d	1265	0.0000	0.0990	0.00031U	0.00031U	0.00031U
1	beta-BHC	10.92	9.79 ^{+0.01}	6632	819	0.4930	0.1340	0.000986J	0.00083U	0.00083U
1	gamma-BHC (Lindane)			0d	0	0.0000	0.0000	0.00044U	0.00044U	0.00044U
1	delta-BHC		10.27 ^{-0.04}	0d	1428	0.0000	0.1190	0.00057U	0.00057U	0.00057U
1	Heptachlor		9.93	0d	5556	0.0000	0.4860	0.00036U	0.000972J	0.00036U
1	Aldrin		10.52	0	1109	0.0000	0.0880	0.00040U	0.00040U	0.00040U
1	Isodrin	12.57 ^{-0.02}	11.31 ^{-0.01}	3205	772	0.1290	0.0740	0.00056U	0.00056U	0.00056U
1	Heptachlor Epoxide			0	0	0.0000	0.0000	0.00032U	0.00032U	0.00032U

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC23\DATA\061114\0611F087.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F087.D\0611F087c.d	Vial:	16
Acqu Date:	06/12/2014 00:07	Quant Date:	06/12/2014 09:12
Run Type:	MB	Dilution:	1.0
Lab ID:	KWG1405470-9	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Target Compounds

						Final Conc. Units:		ug/L		
IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/L #1	ug/L #2	Rpt
1	gamma-Chlordane	13.30		1067	0	0.0390	0.0000	0.00032U	0.00032U	0.00032U
1	Endosulfan I	13.42	^{-0.01} 12.19	1730	750	0.0700	0.0740	0.00044U	0.00044U	0.00044U
1	alpha-Chlordane			0d	0	0.0000	0.0000	0.0040U	0.0040U	0.0040U
1	Dieldrin		12.62	^{-0.02} 0	1043	0.0000	0.0910	0.00035U	0.00035U	0.00035U
1	4,4'-DDE			0	0	0.0000	0.0000	0.00036U	0.00036U	0.00036U
1	Endrin			0d	0	0.0000	0.0000	0.00068U	0.00068U	0.00068U
1	Endosulfan II	14.66	13.58	^{+0.03} 7537	1407	0.3310	0.1490	0.000662J	0.00040U	0.00040U
1	4,4'-DDD			0	0	0.0000	0.0000	0.0015U	0.0015U	0.0015U
1	Endrin Aldehyde		13.90	^{-0.02} 0	1954	0.0000	0.2690	0.00046U	0.000538J	0.00046U
1	Endosulfan Sulfate			0	0	0.0000	0.0000	0.00047U	0.00047U	0.00047U
1	4,4'-DDT		13.77	^{-0.03} 0	954	0.0000	0.1130	0.00058U	0.00058U	0.00058U
1	Endrin Ketone			0	0d	0.0000	0.0000	0.00066U	0.00066U	0.00066U
1	Methoxychlor		14.91	0	2268	0.0000	0.5280	0.00093U	0.00106J	0.00093U
1	2,4'-DDE			0	0	0.0000	0.0000	0.00050U	0.00050U	0.00050U
1	2,4'-DDD		12.82	^{+0.03} 0	1490	0.0000	0.2220	0.00057U	0.00057U	0.00057U
1	2,4'-DDT		13.20	^{-0.01} 0d	1784	0.0000	0.2500	0.00059U	0.00059U	0.00059U
	Toxaphene			0	0	36.73	14.48	0.0735J	0.0510U	0.0510U
2	Toxaphene {1}		13.58	^{-0.02} 0	1407	0.0000	8.67	0.051U	0.051U	
2	Toxaphene {2}	14.66	13.64	^{-0.03} 7537	925	36.73	14.46	0.0735J	0.051U	
2	Toxaphene {3}		13.90	^{-0.04} 0d	1954	0.0000	22.64	0.051U	0.051U	
2	Toxaphene {4}			0	0	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {5}		14.63	^{-0.04} 0	2092	0.0000	10.71	0.051U	0.051U	
2	Toxaphene {6}		14.91	^{+0.03} 0	2268	0.0000	15.94	0.051U	0.051U	
	Chlordane			0	0	0.6515	8.74	0.0220U	0.0220U	0.0220U
3	Chlordane {1}		9.59	^{+0.02} 0d	2502	0.0000	7.30	0.022U	0.022U	
3	Chlordane {2}		9.93	0d	5556	0.0000	10.18	0.022U	0.022U	
3	Chlordane {3}			0d	0	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {4}	13.30		1067	0	0.3240	0.0000	0.022U	0.022U	
3	Chlordane {5}			0d	0	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {6}	13.42	^{-0.04}	1730	0	0.9790	0.0000	0.022U	0.022U	
4	Chlorpyrifos	11.96	^{-0.03}	4099	0	0.3610	0.0000	0.00083U	0.00083U	0.00083U
4	Oxychlordane			0	0	0.0000	0.0000	0.0010U	0.0010U	0.0010U
4	cis-Nonachlor		13.23	^{+0.01} 0	710	0.0000	0.0590	0.00060U	0.00060U	0.00060U
4	trans-Nonachlor			0d	0	0.0000	0.0000	0.00092U	0.00092U	0.00092U
4	Mirex			0	0	0.0000	0.0000	0.00081U	0.00081U	0.00081U
4	Hexachloroethane	4.04	3.45	^{+0.01} 4011	5915	0.0810	0.3060	0.0012U	0.0012U	0.0012U
4	Hexachlorobutadiene	4.80	^{-0.01} 4.03	^{+0.04} 3276	767	0.0860	0.0490	0.0019U	0.0019U	0.0019U
4	Alachlor	10.81		1412	0	0.0000	0.0000			

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 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Signal #1 : J:\GC23\DATA\061114\0611F087.D\ECD1A.CH Vial: 16
 Signal #2 : J:\GC23\DATA\061114\0611F087.D\ECD2B.CH
 Acq On : 12 Jun 2014 12:07 am Operator: SMURRAY
 Sample : KWG1405470-MB Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:09:35 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Internal Standards						
1) i 1-Bromo-2-nitrob	6.05	5.47	2105998	834221	100.000	100.000
29) 1-Bromo-2-nitrob	6.05	5.47	2105998	834221	100.000	100.000
36) 1-Bromo-2-nitrob	6.05	5.47	2105998	834221	100.000	100.000
43) 1-Bromo-2-nitrob	6.05	5.47	2105998	834221	100.000	100.000
System Monitoring Compounds						
2) s Tetrachloro-m-xy	8.80	7.26	1853680	808483	73.761	73.441
28) s Decachlorobiphen	18.50	17.06	1786309	719739	81.200	77.132
Target Compounds						
4) Hexachlorobenzen	0.00	8.27	0	1265	N.D. d	0.099
5) beta-BHC	10.92	9.79	6632	819	0.493	0.134 #
7) delta-BHC	0.00	10.27f	0	1428	N.D. d	0.119
8) Heptachlor	0.00	9.93	0	5556	N.D. d	0.486
9) Aldrin	0.00	10.52	0	1109	N.D.	0.088 #
10) Isodrin	12.57f	11.31	3205	772	0.129	0.074 #
12) gamma-Chlordane	13.30	0.00	1067	0	0.039	N.D. #
13) Endosulfan I	13.42	12.19	1730	750	0.070	0.074
15) Dieldrin	0.00	12.62	0	1043	N.D.	0.091 #
18) Endosulfan II	14.66	13.58f	7537	1407	0.331	0.149 #
20) Endrin Aldehyde	0.00	13.90	0	1954	N.D.	0.269 #
22) 4,4'-DDT	0.00	13.77	0	954	N.D.	0.113 #
24) Methoxychlor	0.00	14.91	0	2268	N.D.	0.528 #
26) 2,4'-DDD	0.00	12.82f	0	1490	N.D.	0.222 #
27) 2,4'-DDT	0.00	13.20	0	1784	N.D. d	0.250
30) Toxaphene	0.00	13.58f	0	1407	N.D.	8.669 #
31) Toxaphene {2}	14.66	13.64f	7537	925	36.728	14.460 #
32) Toxaphene {3}	0.00	13.90f	0	1954	N.D. d	22.642
34) Toxaphene {5}	0.00	14.63f	0	2092	N.D.	10.711 #
35) Toxaphene {6}	0.00	14.91f	0	2268	N.D.	15.937 #
37) Chlordane	0.00	9.59	0	2502	N.D. d	7.301
38) Chlordane {2}	0.00	9.93	0	5556	N.D. d	10.178
40) Chlordane {4}	13.30	0.00	1067	0	0.324	N.D. #
42) Chlordane {6}	13.42f	0.00	1730	0	0.979	N.D. #
44) Chlorpyrifos	11.96f	0.00	4099	0	0.361	N.D. #

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F087.D\ECD1A.CH Vial: 16
 Signal #2 : J:\GC23\DATA\061114\0611F087.D\ECD2B.CH
 Acq On : 12 Jun 2014 12:07 am Operator: SMURRAY
 Sample : KWG1405470-MB Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:09:35 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

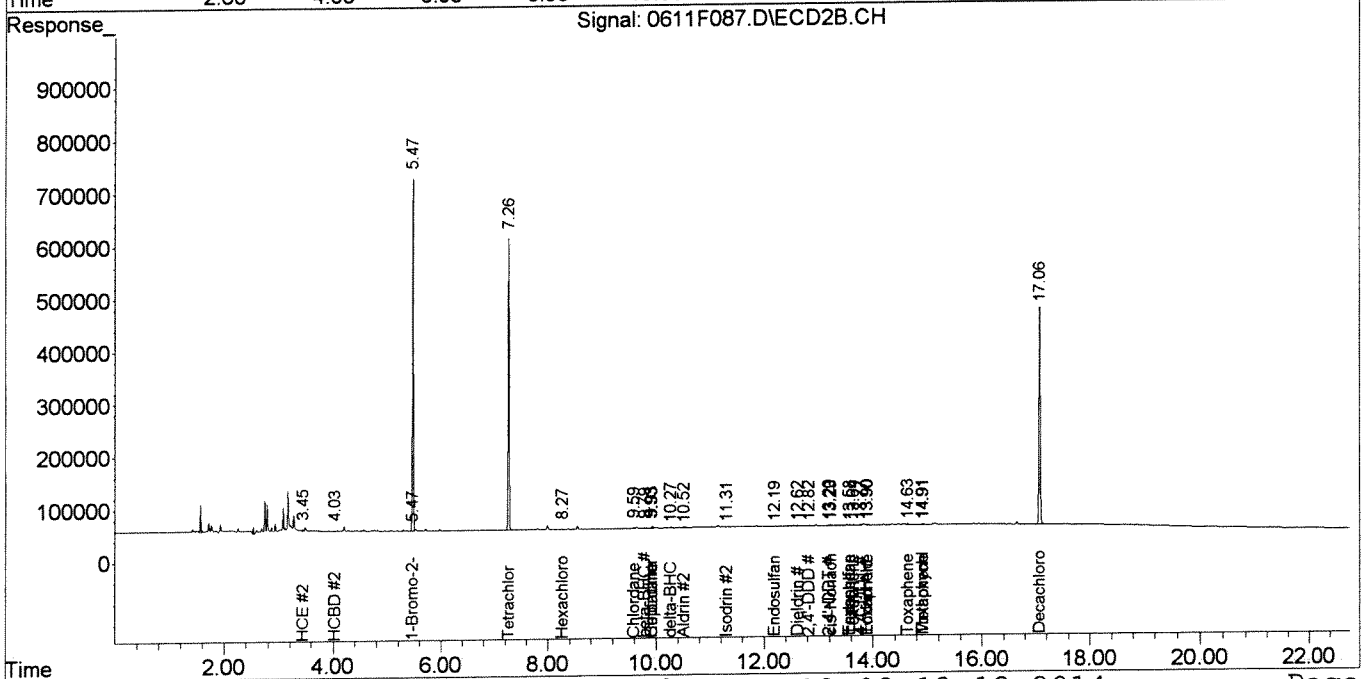
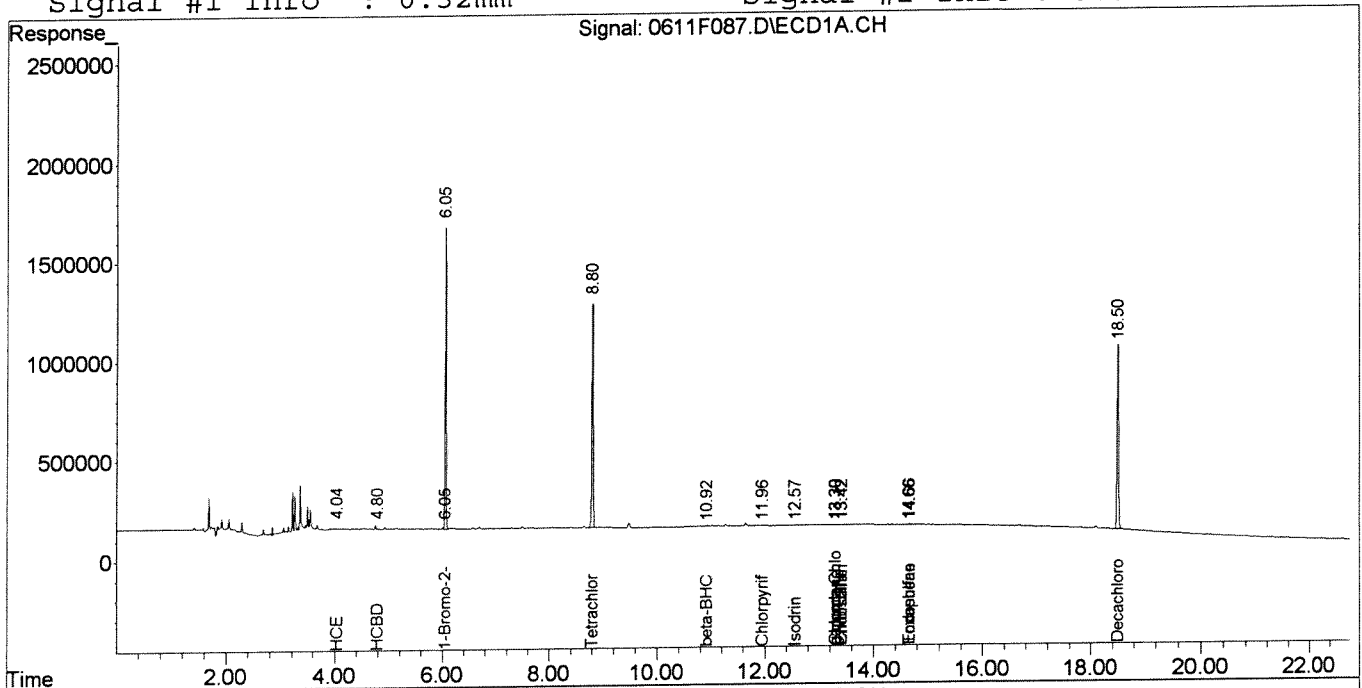
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
46)	cis-Nonachlor	0.00	13.23	0	710	N.D.	0.059 #
49)	HCE	4.04	3.45	4011	5915	0.081	0.306 #
50)	HCBD	4.80	4.03f	3276	767	0.086	0.049 #

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F087.D\ECD1A.CH Vial: 16
 Signal #2 : J:\GC23\DATA\061114\0611F087.D\ECD2B.CH
 Acq On : 12 Jun 2014 12:07 am Operator: SMURRAY
 Sample : KWG1405470-MB Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 9:12 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Exception Report

Data File: J:\GC23\DATA\061114\0611F081.D
Lab ID: KWG1405470-1
RunType: LCS
Matrix: WATER

Date Acquired: 06/11/2014 21:10
Date Quantitated: 06/12/2014 09:07
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA		x
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Second Source ICAL Verification	Endrin Aldehyde	21.1	NA	20	CV
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	1461.666666	17846.66666	MP
	1-Bromo-2-nitrobenzene {3}	0	2579.916666	30319.66666	
Analyte Co-elution	1-Bromo-2-nitrobenzene	6.06	NA	NA	MP
	4,4'-DDD	14.5	NA	NA	
	1-Bromo-2-nitrobenzene {4}	6.06	NA	NA	
	cis-Nonachlor	14.5	NA	NA	
Above Highest ICAL Level	cis-Nonachlor	143.10	NA	100	MP

Primary Review: _____

Secondary Review: _____

Exception Report

Data File: J:\GC23\DATA\061114\0611F081.D\0611F081C.D
Lab ID: KWG1405470-1
RunType: LCS
Matrix: WATER

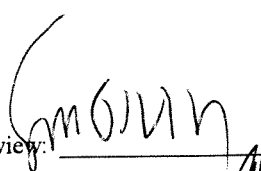
Date Acquired: 06/11/2014 21:10
Date Quantitated: 06/12/2014 09:07
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	317634	1270536	NR
	1-Bromo-2-nitrobenzene {3}	0	321991.5	1287966	
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.48	NA	NA	SD
	1-Bromo-2-nitrobenzene {4}	5.48	NA	NA	

Primary Review: 
 Secondary Review: _____

Quantitation Report

Data File #1:	J:\GC23\DATA\061114\0611F081.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F081.D\0611F081c.d	Vial:	10
Acqu Date:	06/11/2014 21:10	Quant Date:	06/12/2014 09:07
Run Type:	LCS	Dilution:	1.0
Lab ID:	KWG1405470-1	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:		Tier:		Matrix:	WATER
Prod Code:	8081B Pest OC	Collect Date:		Receive Date:	06/10/2014

Analysis Lot:	KWG1405590	Prep Lot:	KWG1405470	Report Group:	
Analysis Method:	8081B	Prep Method:	EPA 3535A		
Prep Ref:	1347001	Prep Date:	06/09/2014		

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL13214
Title:		Method ID:	MJ1013
MB Ref:	J:\GC23\DATA\061114\0611F087.D	Quant based on Method	

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	6.06 ^{-0.10c}	5.48 ^{-0.07c}	2189573	874271	100.00	100.00
2	1-Bromo-2-nitrobenzene {2}			0d	0d	100.00	100.00
3	1-Bromo-2-nitrobenzene {3}			0d	0d	100.00	100.00
4	1-Bromo-2-nitrobenzene {4}	6.06 ^{+0.14c}	5.48 ^{+0.09c}	2189573	874271	100.00	100.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2	Rpt
1	Tetrachloro-m-xylene	8.81	7.27	1801450	771171	68.90	66.84	69 OK
				%Recovery =		69 OK	67 OK	Limits = 20-106
1	Decachlorobiphenyl	18.51 ^{+0.01}	17.07	1818251	745356	79.38	76.22	79 OK
				%Recovery =		79 OK	76 OK	Limits = 19-127

Target Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	Final Conc. Units: ug/L				Rpt
						ug/L #1	ug/L #2	ug/L #1	ug/L #2	
1	alpha-BHC	9.66 ^{+0.01}	8.51 ^{+0.01}	2695558	1085963	79.81	78.13	0.160	0.156	0.156
1	Hexachlorobenzene	9.81	8.29 ^{+0.01}	2138610	914240	72.28	68.51	0.145	0.137	0.137
1	beta-BHC	10.93 ^{+0.01}	9.79 ^{+0.01}	1113102	485789	79.62	75.95	0.159	0.152	0.152
1	gamma-BHC (Lindane)	10.33 ^{+0.01}	9.25	2501123	982115	80.44	76.56	0.161	0.153	0.153
1	delta-BHC	11.43	10.32 ^{+0.01}	2576969	1058274	85.28	84.01	0.171	0.168	0.168
1	Heptachlor	11.53 ^{+0.01}	9.94 ^{+0.01}	2255006	881526	74.71	73.61	0.149	0.147	0.147
1	Aldrin	12.07 ^{+0.01}	10.53 ^{+0.01}	1964115	852851	63.84	64.43	0.128	0.129	0.128
1	Isodrin	12.60 ^{+0.01}	11.32	1804417	765106	70.09	69.68	0.140	0.139	0.139
1	Heptachlor Epoxide	12.79 ^{+0.01}	11.61 ^{+0.01}	2040921	865292	71.89	73.51	0.144	0.147	0.144

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 B: Hit above MRL also found in Method Blank
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D: Result from dilution
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*: Result fails acceptance criteria
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 ?: Insufficient information to determine acceptance
 c: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC23\DATA\061114\0611F081.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F081.D\0611F081c.d	Vial:	10
Acqu Date:	06/11/2014 21:10	Quant Date:	06/12/2014 09:07
Run Type:	LCS	Dilution:	1.0
Lab ID:	KWG1405470-1	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Target Compounds

		Final Conc. Units:				ug/L				
IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/L #1	ug/L #2	Rpt
1	gamma-Chlordane	13.31 ^{+0.01}	11.98	2107219	881403	73.39	71.68	0.147	0.143	0.143
1	Endosulfan I	13.43	12.20 ^{+0.01}	1687804	683539	65.93	64.23	0.132	0.128	0.128
1	alpha-Chlordane	13.38	12.13	2072295	860271	73.16	71.42	0.146	0.143	0.143
1	Dieldrin	13.85	12.64	2151549	884021	78.47	73.64	0.157	0.147	0.147
1	4,4'-DDE	13.66	12.49	2093578	919867	75.94	77.20	0.152	0.154	0.152
1	Endrin	14.22	13.12	1932907	834468	81.18	80.81	0.162	0.162	0.162
1	Endosulfan II	14.67 ^{+0.01}	13.56 ^{+0.01}	1675666	683450	70.79	69.19	0.142	0.138	0.138
1	4,4'-DDD	14.50 ^{Rd c}	13.38	4014362	724523	178.35	77.89	0.357	0.156	0.156P
1	Endrin Aldehyde	14.85 ^{+0.01}	13.92	1483564	612169	95.57	80.36	0.191	0.161	0.161
1	Endosulfan Sulfate	15.32	14.25 ^{+0.01}	1799064	733848	85.81	79.68	0.172	0.159	0.159
1	4,4'-DDT	15.00	13.80	1840944	729290	92.00	82.77	0.184	0.166	0.166
1	Endrin Ketone	16.01 ^{+0.01}	15.20 ^{+0.01}	2215403	872848	83.74	76.89	0.167	0.154	0.154
1	Methoxychlor	15.75 ^{+0.01}	14.91	1043805	406114	98.31	90.27	0.197	0.181	0.181
1	2,4'-DDE			0d	0d	0.0000	0.0000	0.00050U	0.00050U	NR
1	2,4'-DDD			0d	0d	0.0000	0.0000	0.00057U	0.00057U	NR
1	2,4'-DDT			0d	0d	0.0000	0.0000	0.00059U	0.00059U	NR
	Toxaphene			0	0	0.0000	0.0000	0.0510U	0.0510U	NR
2	Toxaphene {1}			0d	0d	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {2}			0d	0d	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {3}			0d	0d	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {4}			0d	0d	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {5}			0d	0d	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {6}			0d	0d	0.0000	0.0000	0.051U	0.051U	
	Chlordane			0	0	0.0000	0.0000	0.0220U	0.0220U	NR
3	Chlordane {1}			0d	0d	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {2}			0d	0d	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {3}			0d	0d	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {4}			0d	0d	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {5}			0d	0d	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {6}			0d	0d	0.0000	0.0000	0.022U	0.022U	
4	Chlorpyrifos	12.00 ^{+0.01}	10.90 ^{+0.01}	972608	412512	82.36	96.27	0.165	0.193	0.165
4	Oxychlordane	12.75 ^{Rb}	11.39	1717260	694908	73.43	69.51	0.147	0.139	0.139
4	cis-Nonachlor	14.50 ^{+0.01c}	13.23 ^{+0.01}	4014362	907173	143.10	72.06	0.286E	0.144	0.144P
4	trans-Nonachlor	13.47 ^{+0.01}	12.03 ^{+0.01}	1961125	842463	70.11	68.77	0.140	0.138	0.138
4	Mirex	16.85	15.38 ^{+0.01}	1503624	622672	71.82	72.28	0.144	0.145	0.144
4	Hexachloroethane	4.05 ^{+0.01}	3.45 ^{+0.01}	2836217	1071597	54.84	52.88	0.110	0.106	0.106
4	Hexachlorobutadiene	4.81	3.99	1782301	712798	45.05	43.89	0.0901	0.0878	0.0878
4	Alachlor	10.83		1565	0	0.0000	0.0000			

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F081.D\ECD1A.CH Vial: 10
 Signal #2 : J:\GC23\DATA\061114\0611F081.D\ECD2B.CH
 Acq On : 11 Jun 2014 9:10 pm Operator: SMURRAY
 Sample : KWG1405470-LCS1 Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:09:25 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Internal Standards						
1) i 1-Bromo-2-nitrob	6.06	5.48	2189573	874271	100.000	100.000
43) 1-Bromo-2-nitrob	6.06	5.48	2189573	874271	100.000	100.000
System Monitoring Compounds						
2) s Tetrachloro-m-xy	8.81	7.27	1801450	771171	68.901	66.843
28) s Decachlorobiphen	18.51	17.07	1818251	745356	79.384	76.218
Target Compounds						
3) alpha-BHC	9.66	8.51	2695558	1085963	79.806	78.129
4) Hexachlorobenzen	9.81	8.29	2138610	914240	72.276	68.509
5) beta-BHC	10.93	9.79	1113102	485789	79.624	75.954
6) gamma-BHC (Linda	10.33	9.25	2501123	982115	80.439	76.557
7) delta-BHC	11.43	10.32	2576969	1058274	85.282	84.012
8) Heptachlor	11.53	9.94	2255006	881526	74.707	73.606
9) Aldrin	12.07	10.53	1964115	852851	63.843	64.432
10) Isodrin	12.60	11.32	1804417	765106	70.091	69.677
11) Heptachlor Epoxi	12.79	11.61	2040921	865292	71.892	73.512
12) gamma-Chlordane	13.31	11.98	2107219	881403	73.394	71.679
13) Endosulfan I	13.43	12.20	1687804	683539	65.933	64.228
14) alpha-Chlordane	13.38	12.13	2072295	860271	73.163	71.421
15) Dieldrin	13.85	12.64	2151549	884021	78.467	73.640
16) 4,4'-DDE	13.66	12.49	2093578	919867	75.942	77.201
17) Endrin	14.22	13.12	1932907	834468	81.184	80.811
18) Endosulfan II	14.67	13.56	1675666	683450	70.793	69.188
19) 4,4'-DDD	14.50	13.38	4014362	724523	178.352	77.885 #
20) Endrin Aldehyde	14.85	13.92	1483564	612169	95.568	80.363
21) Endosulfan Sulfa	15.32	14.25	1799064	733848	85.807	79.675
22) 4,4'-DDT	15.00	13.80	1840944	729290	91.995	82.770
23) Endrin Ketone	16.01	15.20	2215403	872848	83.739	76.893
24) Methoxychlor	15.75	14.91	1043805	406114	98.310	90.266
44) Chlorpyrifos	12.00	10.90	972608	412512	82.355	96.270
45) Oxychlordane	12.75	11.39	1717260	694908	73.426	69.511
46) cis-Nonachlor	14.50	13.23	4014362	907173	143.100	72.063 #
47) trans-Nonachlor	13.47	12.03	1961125	842463	70.109	68.767
48) Mirex	16.85	15.38	1503624	622672	71.824	72.281

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F081.D\ECD1A.CH Vial: 10
 Signal #2 : J:\GC23\DATA\061114\0611F081.D\ECD2B.CH
 Acq On : 11 Jun 2014 9:10 pm Operator: SMURRAY
 Sample : KWG1405470-LCS1 Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:09:25 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

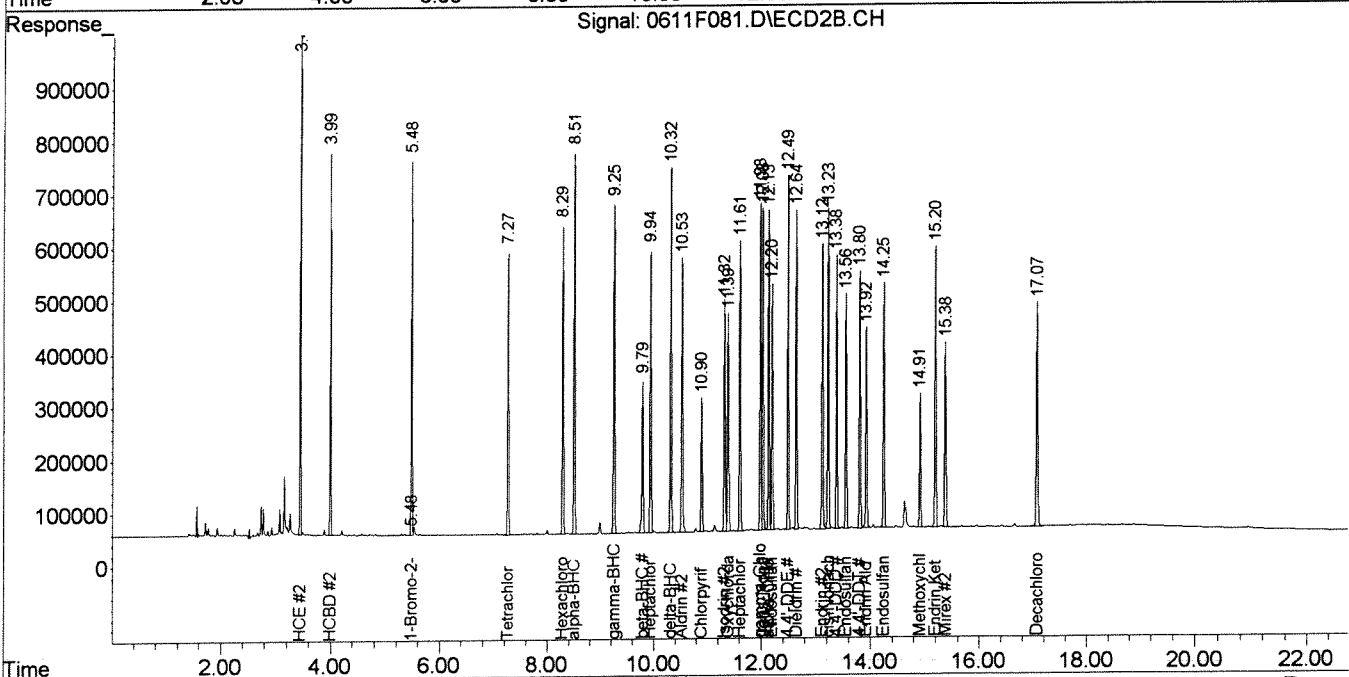
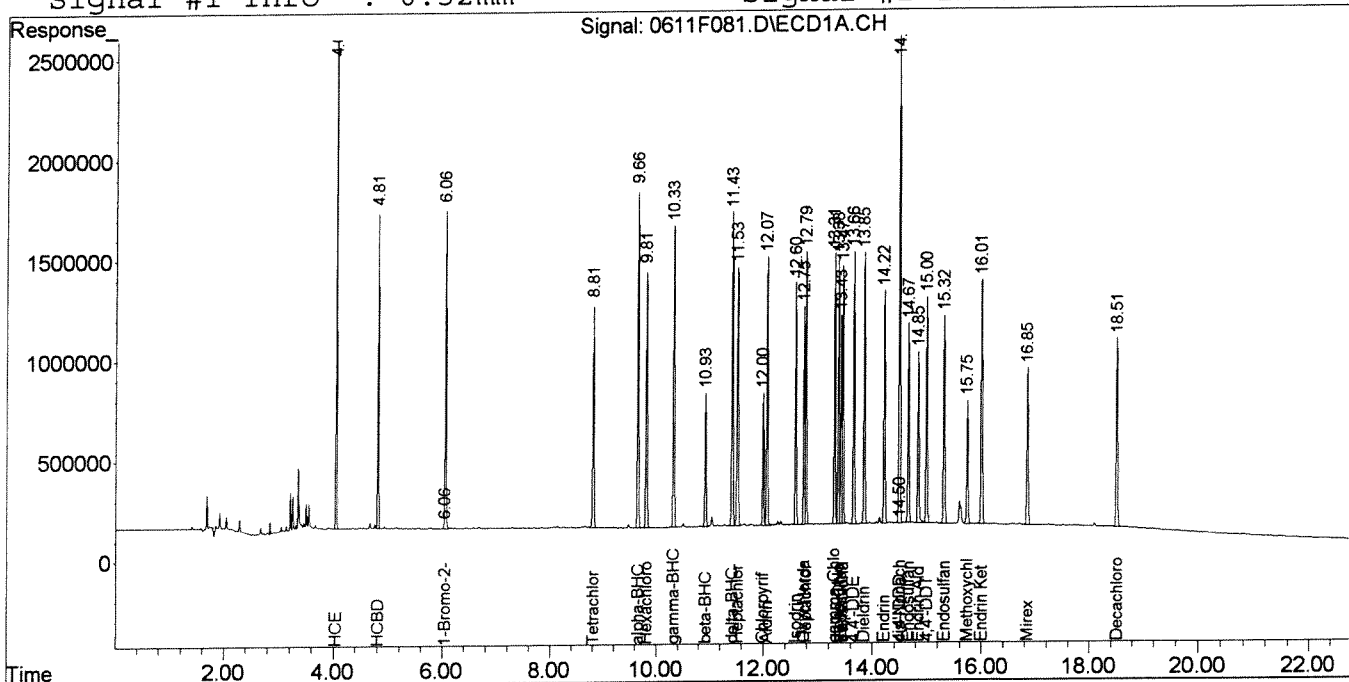
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
49)	HCE	4.05	3.45	2836217	1071597	54.838	52.878
50)	HCBD	4.81	3.99	1782301	712798	45.049	43.892

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F081.D\ECD1A.CH Vial: 10
 Signal #2 : J:\GC23\DATA\061114\0611F081.D\ECD2B.CH
 Acq On : 11 Jun 2014 9:10 pm Operator: SMURRAY
 Sample : KWG1405470-LCS1 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 9:07 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Exception Report

Data File: J:\GC23\DATA\061114\0611F083.D
Lab ID: KWG1405470-1
RunType: LCS
Matrix: WATER

Date Acquired: 06/11/2014 22:08
Date Quantitated: 06/12/2014 09:08
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

Sample Exceptions

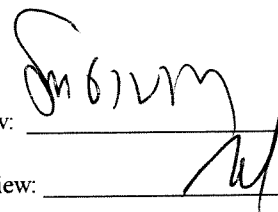
Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Second Source ICAL Verification	Endrin Aldehyde	21.1	NA	20	W
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	9461.666666	37846.666666	
	1-Bromo-2-nitrobenzene {3}	0	2579.916666	20319.666666	
	1-Bromo-2-nitrobenzene {4}	0	823706.5	3294826	

Primary Review: _____

Secondary Review: _____



Exception Report

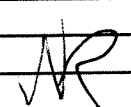
Data File: J:\GC23\DATA\061114\0611F083.D\0611F083C.D
Lab ID: KWG1405470-1
RunType: LCS
Matrix: WATER

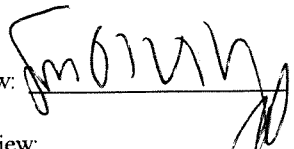
Date Acquired: 06/11/2014 22:08
Date Quantitated: 06/12/2014 09:08
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	317634	1270536	
	1-Bromo-2-nitrobenzene {3}	0	321991.5	1287966	
	1-Bromo-2-nitrobenzene {4}	0	189.083333	24756.33333	

Primary Review: 

Secondary Review: _____

Quantitation Report

Data File #1:	J:\GC23\DATA\061114\0611F083.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F083.D\0611F083c.d	Vial:	12
Acqu Date:	06/11/2014 22:08	Quant Date:	06/12/2014 09:08
Run Type:	LCS	Dilution:	1.0
Lab ID:	KWG1405470-1	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:		Tier:		Matrix:	WATER
Prod Code:	8081B Pest OC	Collect Date:		Receive Date:	06/10/2014

Analysis Lot:	KWG1405590	Prep Lot:	KWG1405470	Report Group:	
Analysis Method:	8081B	Prep Method:	EPA 3535A		
Prep Ref:	1347001	Prep Date:	06/09/2014		

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL13214
Title:		Method ID:	MJ1013
MB Ref:	J:\GC23\DATA\061114\0611F087.D	Quant based on Method	

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	6.06 ^{-0.10}	5.48 ^{-0.07}	2142775	832409	100.00	100.00
2	1-Bromo-2-nitrobenzene {2}			0d	0d	100.00	100.00
3	1-Bromo-2-nitrobenzene {3}			0d	0d	100.00	100.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	100.00	100.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2	Rpt
1	Tetrachloro-m-xylene	8.81	7.27	1882572	809726	73.62	73.71	NR
				%Recovery =		74 OK	74 OK	Limits = 20-106
1	Decachlorobiphenyl	18.51 ^{+0.01}	17.07	1889261	744417	84.63	79.95	NR
				%Recovery =		85 OK	80 OK	Limits = 19-127

Target Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	Final Conc. Units: ug/L				Rpt
						ug/L #1	ug/L #2	ug/L #1	ug/L #2	
1	alpha-BHC			0d	0d	0.0000	0.0000	0.00033U	0.00033U	NR
1	Hexachlorobenzene			0d	0d	0.0000	0.0000	0.00031U	0.00031U	0.00031U
1	beta-BHC			0d	0d	0.0000	0.0000	0.00083U	0.00083U	NR
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000	0.00044U	0.00044U	NR
1	delta-BHC			0d	0d	0.0000	0.0000	0.00057U	0.00057U	NR
1	Heptachlor			0d	0d	0.0000	0.0000	0.00036U	0.00036U	NR
1	Aldrin			0d	0d	0.0000	0.0000	0.00040U	0.00040U	NR
1	Isodrin			0d	0d	0.0000	0.0000	0.00056U	0.00056U	0.00056U
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000	0.00032U	0.00032U	NR

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 c: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC23\DATA\061114\0611F083.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F083.D\0611F083c.d	Vial:	12
Acqu Date:	06/11/2014 22:08	Quant Date:	06/12/2014 09:08
Run Type:	LCS	Dilution:	1.0
Lab ID:	KWG1405470-1	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Target Compounds

		Final Conc. Units: ug/L								
IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/L #1	ug/L #2	Rpt
1	gamma-Chlordane			0d	0d	0.0000	0.0000	0.00032U	0.00032U	NR
1	Endosulfan I			0d	0d	0.0000	0.0000	0.00044U	0.00044U	NR
1	alpha-Chlordane			0d	0d	0.0000	0.0000	0.0040U	0.0040U	NR
1	Dieldrin			0d	0d	0.0000	0.0000	0.00035U	0.00035U	NR
1	4,4'-DDE			0d	0d	0.0000	0.0000	0.00036U	0.00036U	NR
1	Endrin			0d	0d	0.0000	0.0000	0.00068U	0.00068U	NR
1	Endosulfan II			0d	0d	0.0000	0.0000	0.00040U	0.00040U	NR
1	4,4'-DDD			0d	0d	0.0000	0.0000	0.0015U	0.0015U	NR
1	Endrin Aldehyde			0d	0d	0.0000	0.0000	0.00046U	0.00046U	NR
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000	0.00047U	0.00047U	0.00047U
1	4,4'-DDT			0d	0d	0.0000	0.0000	0.00058U	0.00058U	NR
1	Endrin Ketone			0d	0d	0.0000	0.0000	0.00066U	0.00066U	NR
1	Methoxychlor			0d	0d	0.0000	0.0000	0.00093U	0.00093U	NR
1	2,4'-DDE	13.08	^{+0.01} 12.02	1451620	642208	81.07	87.28	0.162	0.175	0.162
1	2,4'-DDD	13.81	12.79	1302156	539797	79.88	80.52	0.160	0.161	0.160
1	2,4'-DDT	14.31	^{+0.01} 13.22	^{+0.01} 1507581	608275	88.78	85.42	0.178	0.171	0.171
	Toxaphene			0	0	0.0000	0.0000	0.0510U	0.0510U	NR
2	Toxaphene {1}			0d	0d	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {2}			0d	0d	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {3}			0d	0d	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {4}			0d	0d	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {5}			0d	0d	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {6}			0d	0d	0.0000	0.0000	0.051U	0.051U	
	Chlordane			0	0	0.0000	0.0000	0.0220U	0.0220U	NR
3	Chlordane {1}			0d	0d	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {2}			0d	0d	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {3}			0d	0d	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {4}			0d	0d	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {5}			0d	0d	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {6}			0d	0d	0.0000	0.0000	0.022U	0.022U	
4	Chlorpyrifos			0d	0d	0.0000	0.0000	0.00083U	0.00083U	0.00083U
4	Oxychlordane			0d	0d	0.0000	0.0000	0.0010U	0.0010U	NR
4	cis-Nonachlor			0d	0d	0.0000	0.0000	0.00060U	0.00060U	NR
4	trans-Nonachlor			0d	0d	0.0000	0.0000	0.00092U	0.00092U	NR
4	Mirex			0d	0d	0.0000	0.0000	0.00081U	0.00081U	NR
4	Hexachloroethane			0d	0d	0.0000	0.0000	0.0012U	0.0012U	0.0012U
4	Hexachlorobutadiene			0d	0d	0.0000	0.0000	0.0019U	0.0019U	0.0019U
4	Alachlor			0d	0d	0.0000	0.0000			

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 c: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Signal #1 : J:\GC23\DATA\061114\0611F083.D\ECD1A.CH Vial: 12
 Signal #2 : J:\GC23\DATA\061114\0611F083.D\ECD2B.CH
 Acq On : 11 Jun 2014 10:08 pm Operator: SMURRAY
 Sample : KWG1405470-LCS3 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:09:28 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

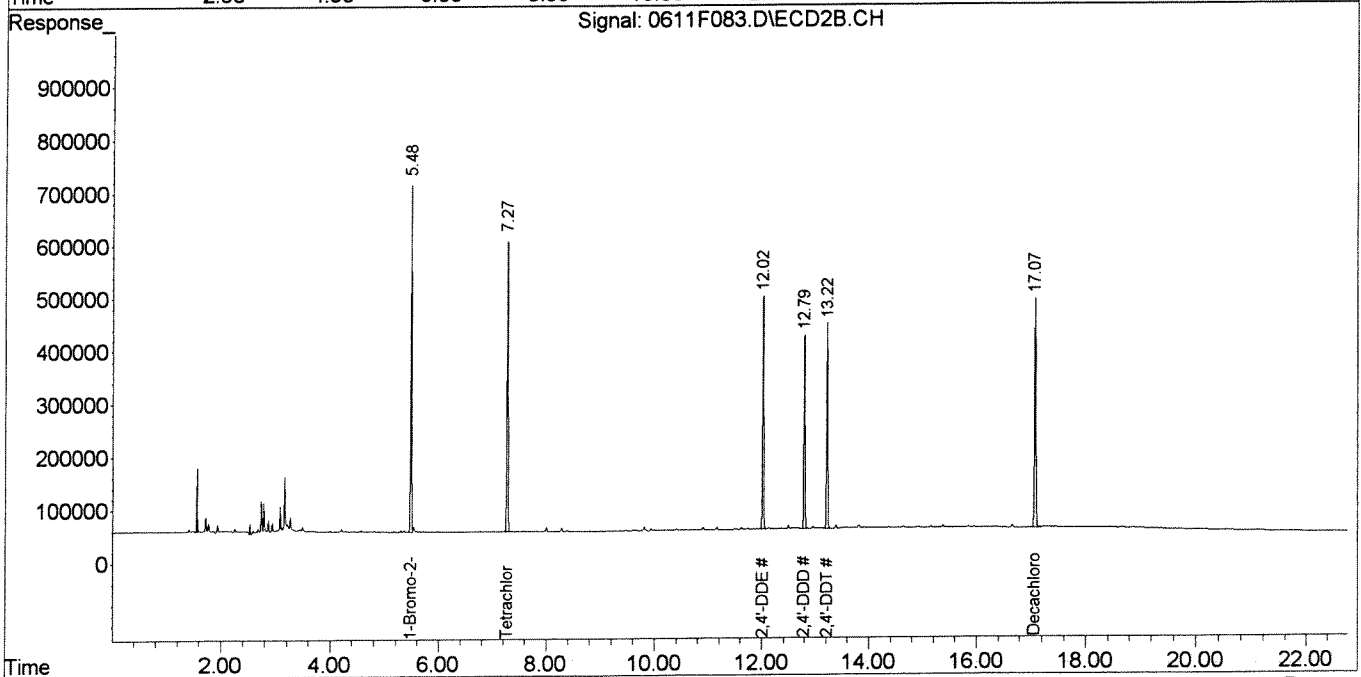
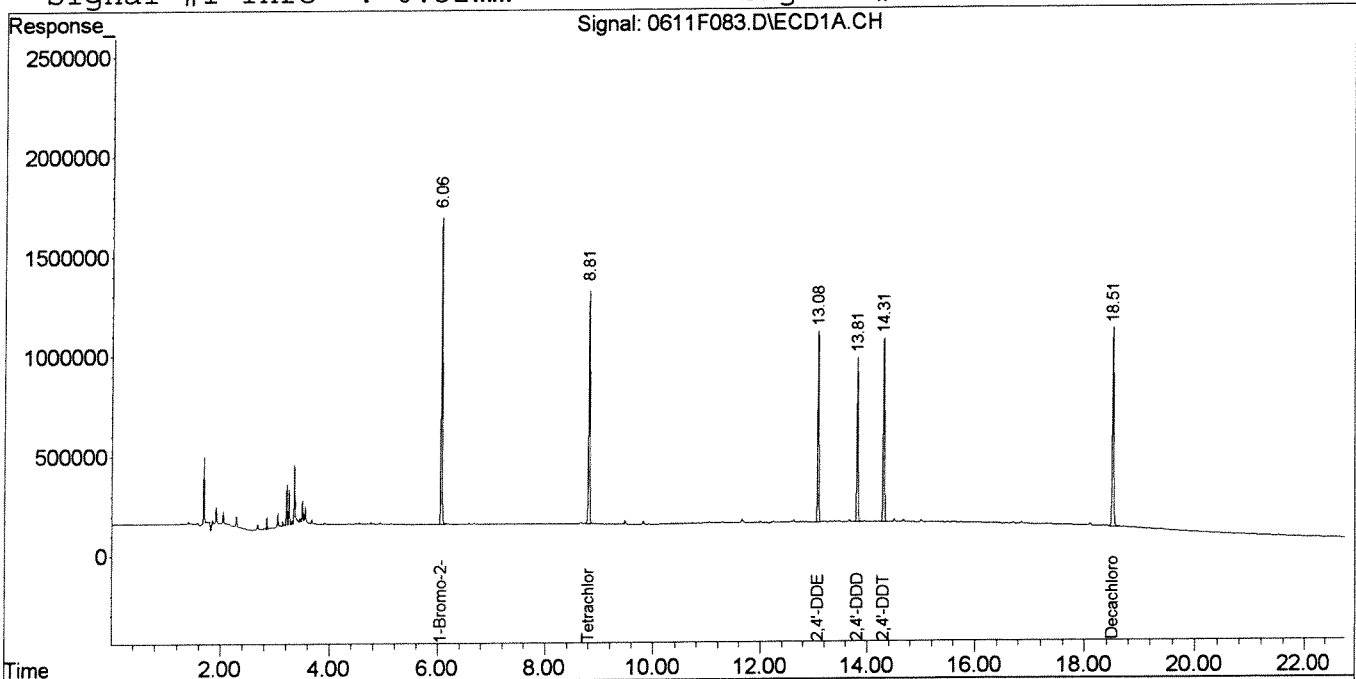
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

Internal Standards						
1) i 1-Bromo-2-nitrob	6.06	5.48	2142775	832409	100.000	100.000
System Monitoring Compounds						
2) s Tetrachloro-m-xy	8.81	7.27	1882572	809726	73.624	73.714
28) s Decachlorobiphen	18.51	17.07	1889261	744417	84.632	79.950
Target Compounds						
25) 2,4'-DDE	13.08	12.02	1451620	642208	81.068	87.276
26) 2,4'-DDD	13.81	12.79	1302156	539797	79.880	80.524
27) 2,4'-DDT	14.31	13.22	1507581	608275	88.779	85.418

Signal #1 : J:\GC23\DATA\061114\0611F083.D\ECD1A.CH Vial: 12
 Signal #2 : J:\GC23\DATA\061114\0611F083.D\ECD2B.CH
 Acq On : 11 Jun 2014 10:08 pm Operator: SMURRAY
 Sample : KWG1405470-LCS3 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 9:08 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Exception Report

Data File: J:\GC23\DATA\061114\0611F085.D
Lab ID: KWG1405470-1
RunType: LCS
Matrix: WATER

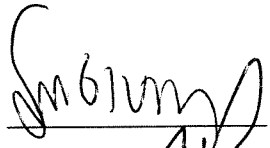
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Date Quantitated: 06/12/2014 09:10
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

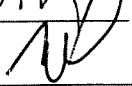
Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Second Source ICAL Verification	Endrin Aldehyde	21.1	NA	20	NA
Internal Standards	1-Bromo-2-nitrobenzene {4}	0	823706.5	3294826	
Analyte Co-elution	1-Bromo-2-nitrobenzene	6.05	NA	NA	SA
	1-Bromo-2-nitrobenzene {2}	6.05	NA	NA	
	1-Bromo-2-nitrobenzene {3}	6.05	NA	NA	

Primary Review: 

Secondary Review: 

Exception Report

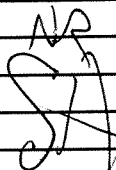
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Lab ID: KWG1405470-1
RunType: LCS
Matrix: WATER

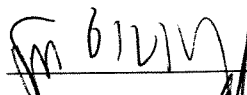
Date Acquired: 06/11/2014 23:07
Date Quantitated: 06/12/2014 09:10
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {4}	0	5189.083333	24756.333333	
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.47	NA	NA	
	1-Bromo-2-nitrobenzene {2}	5.47	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.47	NA	NA	

Primary Review: 
 Secondary Review: _____

Quantitation Report

Data File #1:	J:\GC23\DATA\061114\0611F085.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F085.D\0611F085c.d	Vial:	14
Acqu Date:	06/11/2014 23:07	Quant Date:	06/12/2014 09:10
Run Type:	LCS	Dilution:	1.0
Lab ID:	KWG1405470-1	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:		Tier:		Matrix:	WATER
Prod Code:	8081B Pest OC	Collect Date:		Receive Date:	06/10/2014

Analysis Lot:	KWG1405590	Prep Lot:	KWG1405470	Report Group:	
Analysis Method:	8081B	Prep Method:	EPA 3535A		
Prep Ref:	1347001	Prep Date:	06/09/2014		

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL13214
Title:		Method ID:	MJI013
MB Ref:	J:\GC23\DATA\061114\0611F087.D	Quant based on Method	

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	6.05 ^{-0.11c}	5.47 ^{-0.09c}	2171006	849951	100.00	100.00
2	1-Bromo-2-nitrobenzene {2}	6.05 ^{+0.13c}	5.47 ^{+0.08c}	2171006	849951	100.00	100.00
3	1-Bromo-2-nitrobenzene {3}	6.05 ^{+0.05c}	5.47 ^{+0.03c}	2171006	849951	100.00	100.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	100.00	100.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2	Rpt
1	Tetrachloro-m-xylene	8.80 ^{-0.01}	7.26 ^{-0.01}	1831357	791188	70.66	70.54	NR
				%Recovery =		71 OK	71 OK	Limits = 20-106
1	Decachlorobiphenyl	18.50	17.07	1796572	723475	79.09	76.10	NR
				%Recovery =		79 OK	76 OK	Limits = 19-127

Target Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	Final Conc. Units:		Rpt		
						ug/L #1	ug/L #2			
1	alpha-BHC			0d	0d	0.0000	0.0000	0.00033U	0.00033U	NR
1	Hexachlorobenzene			0d	0d	0.0000	0.0000	0.00031U	0.00031U	0.00031U
1	beta-BHC			0d	0d	0.0000	0.0000	0.00083U	0.00083U	NR
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000	0.00044U	0.00044U	NR
1	delta-BHC			0d	0d	0.0000	0.0000	0.00057U	0.00057U	NR
1	Heptachlor			0d	0d	0.0000	0.0000	0.00036U	0.00036U	NR
1	Aldrin			0d	0d	0.0000	0.0000	0.00040U	0.00040U	NR
1	Isodrin			0d	0d	0.0000	0.0000	0.00056U	0.00056U	0.00056U
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000	0.00032U	0.00032U	NR

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC23\DATA\061114\0611F085.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F085.D\0611F085c.d	Vial:	14
Acqu Date:	06/11/2014 23:07	Quant Date:	06/12/2014 09:10
Run Type:	LCS	Dilution:	1.0
Lab ID:	KWG1405470-1	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Target Compounds

Final Conc. Units: ug/L

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/L #1	ug/L #2	Rpt
1	gamma-Chlordane			0d	0d	0.0000	0.0000	0.00032U	0.00032U	NR
1	Endosulfan I			0d	0d	0.0000	0.0000	0.00044U	0.00044U	NR
1	alpha-Chlordane			0d	0d	0.0000	0.0000	0.0040U	0.0040U	NR
1	Dieldrin			0d	0d	0.0000	0.0000	0.00035U	0.00035U	NR
1	4,4'-DDE			0d	0d	0.0000	0.0000	0.00036U	0.00036U	NR
1	Endrin			0d	0d	0.0000	0.0000	0.00068U	0.00068U	NR
1	Endosulfan II			0d	0d	0.0000	0.0000	0.00040U	0.00040U	NR
1	4,4'-DDD			0d	0d	0.0000	0.0000	0.0015U	0.0015U	NR
1	Endrin Aldehyde			0d	0d	0.0000	0.0000	0.00046U	0.00046U	NR
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000	0.00047U	0.00047U	0.00047U
1	4,4'-DDT			0d	0d	0.0000	0.0000	0.00058U	0.00058U	NR
1	Endrin Ketone			0d	0d	0.0000	0.0000	0.00066U	0.00066U	NR
1	Methoxychlor			0d	0d	0.0000	0.0000	0.00093U	0.00093U	NR
1	2,4'-DDE			0d	0d	0.0000	0.0000	0.00050U	0.00050U	NR
1	2,4'-DDD			0d	0d	0.0000	0.0000	0.00057U	0.00057U	NR
1	2,4'-DDT			0d	0d	0.0000	0.0000	0.00059U	0.00059U	NR
	Toxaphene			0	0	589.99	469.85	1.18	0.940	0.940
2	Toxaphene {1}	14.59	-0.01	77712m	0d	541.77	0.0000	1.08	0.051U	
2	Toxaphene {2}	14.65	-0.01	135867m	28474m	642.26	436.88	1.28	0.874	
2	Toxaphene {3}		13.93	0d	45088m	0.0000	512.79	0.051U	1.03	
2	Toxaphene {4}	14.84	-0.01	178468	48287m	565.88	452.00	1.13	0.904	
2	Toxaphene {5}	15.19	14.67	183243	81947m	569.71	411.81	1.14	0.824	
2	Toxaphene {6}	16.06	-0.01	268274	77682m	630.34	535.75	1.26	1.07	
	Chlordane			0	0	463.98	449.96	0.928	0.900	0.900
3	Chlordane {1}	11.09	9.57	401046	139436	451.77	399.33	0.904	0.799	
3	Chlordane {2}	11.52	9.93	717292	262808	485.85	472.51	0.972	0.945	
3	Chlordane {3}	12.11	11.98	396307	561763	433.91	452.92	0.868	0.906	
3	Chlordane {4}	13.30	12.02	1549833	403258	456.40	541.46	0.913	1.08	
3	Chlordane {5}	13.38	12.09	1019005	185984	406.13	446.23	0.812	0.892	
3	Chlordane {6}	13.46	12.13	1001419	391984	549.85	387.27	1.10	0.775	
4	Chlorpyrifos			0d	0d	0.0000	0.0000	0.00083U	0.00083U	0.00083U
4	Oxychlordane			0d	0d	0.0000	0.0000	0.0010U	0.0010U	NR
4	cis-Nonachlor			0d	0d	0.0000	0.0000	0.00060U	0.00060U	NR
4	trans-Nonachlor			0d	0d	0.0000	0.0000	0.00092U	0.00092U	NR
4	Mirex			0d	0d	0.0000	0.0000	0.00081U	0.00081U	NR
4	Hexachloroethane			0d	0d	0.0000	0.0000	0.0012U	0.0012U	0.0012U
4	Hexachlorobutadiene			0d	0d	0.0000	0.0000	0.0019U	0.0019U	0.0019U
4	Alachlor			0d	0d	0.0000	0.0000			

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 ? : Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Signal #1 : J:\GC23\DATA\061114\0611F085.D\ECD1A.CH Vial: 14
 Signal #2 : J:\GC23\DATA\061114\0611F085.D\ECD2B.CH
 Acq On : 11 Jun 2014 11:07 pm Operator: SMURRAY
 Sample : KWG1405470-LCS5 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:09:31 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

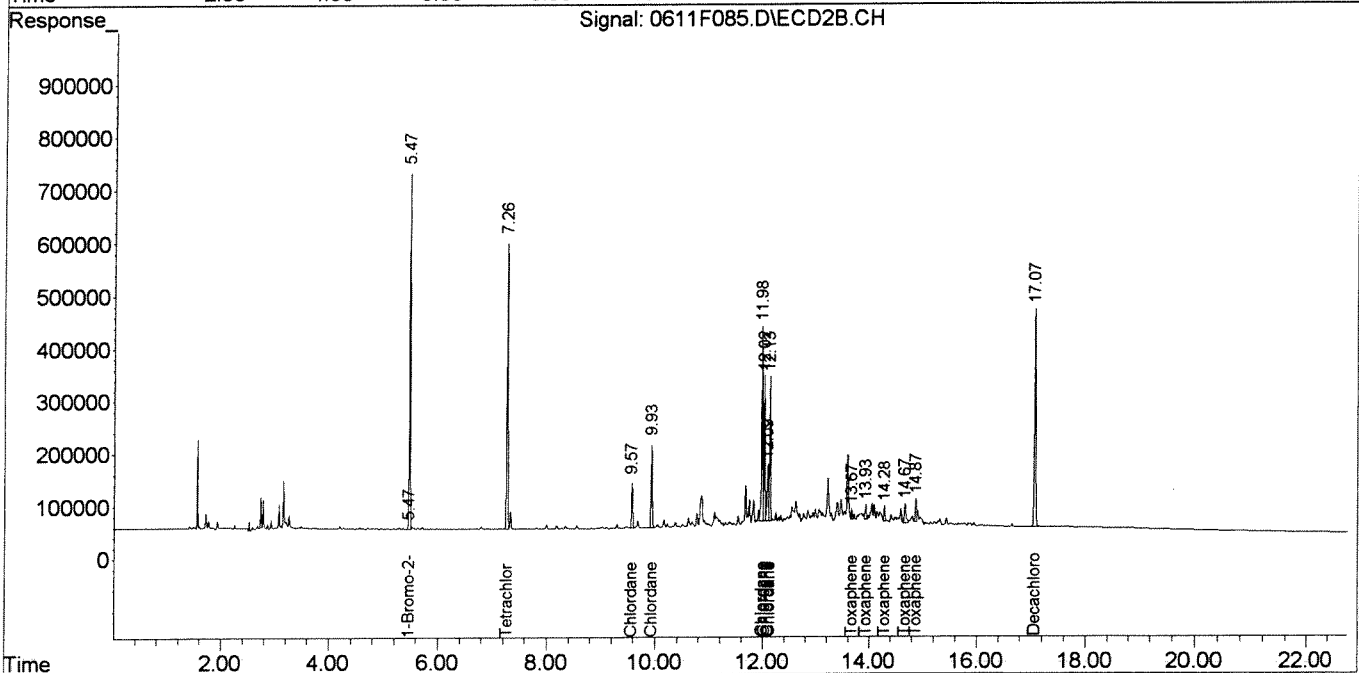
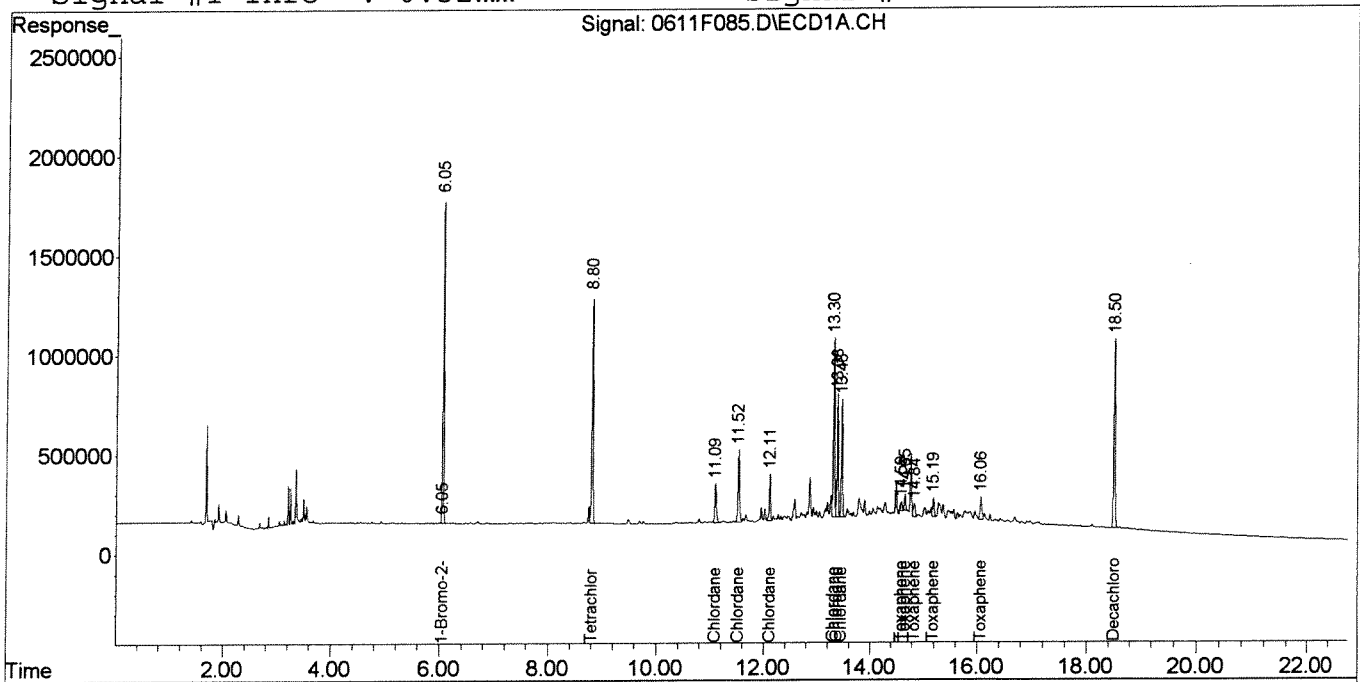
Internal Standards						
1) i 1-Bromo-2-nitrob	6.05	5.47	2171006	849951	100.000	100.000
29) 1-Bromo-2-nitrob	6.05	5.47	2171006	849951	100.000	100.000
36) 1-Bromo-2-nitrob	6.05	5.47	2171006	849951	100.000	100.000
System Monitoring Compounds						
2) s Tetrachloro-m-xy	8.80	7.26	1831357	791188	70.662	70.540
28) s Decachlorobiphen	18.50	17.07	1796572	723475	79.090	76.097
Target Compounds						
30) Toxaphene	14.59	0.00	77712	0	541.772m	N.D. d#
31) Toxaphene {2}	14.65	13.67	135867	28474	642.264m	436.877m#
32) Toxaphene {3}	0.00	13.93	0	45088	N.D. d	512.794m
33) Toxaphene {4}	14.84	14.28	178468	48287	565.876	451.995m
34) Toxaphene {5}	15.19	14.67	183243	81947	569.707	411.814m#
35) Toxaphene {6}	16.06	14.87	268274	77682	630.336	535.752m
37) Chlordane	11.09	9.57	401046	139436	451.770	399.334
38) Chlordane {2}	11.52	9.93	717292	262808	485.851	472.514
39) Chlordane {3}	12.11	11.98	396307	561763	433.911	452.919
40) Chlordane {4}	13.30	12.02	1549833	403258	456.397	541.464
41) Chlordane {5}	13.38	12.09	1019005	185984	406.133	446.226
42) Chlordane {6}	13.46	12.13	1001419	391984	549.847	387.274 #

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F085.D\ECD1A.CH Vial: 14
 Signal #2 : J:\GC23\DATA\061114\0611F085.D\ECD2B.CH
 Acq On : 11 Jun 2014 11:07 pm Operator: SMURRAY
 Sample : KWG1405470-LCS5 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 9:10 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

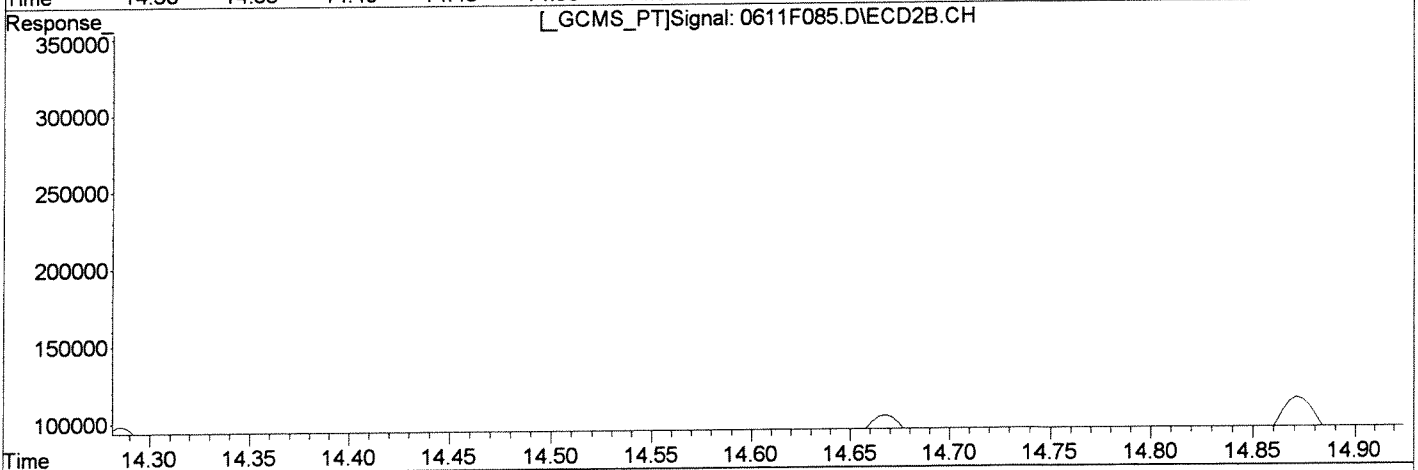
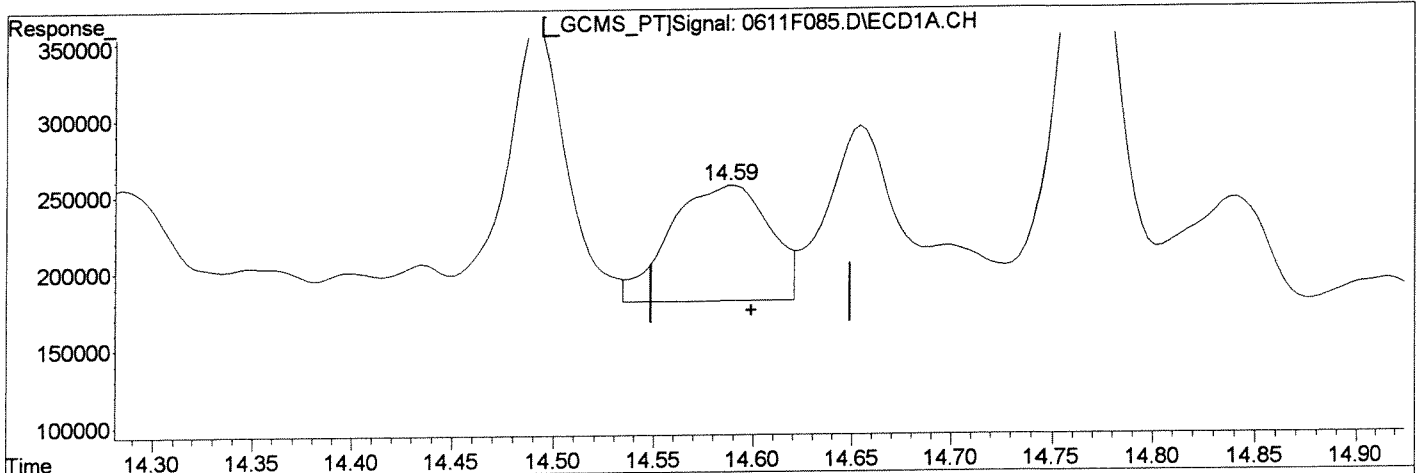
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F085.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\061114\0611F085.D\ECD2B.CH
Acq On : 11 Jun 2014 11:07 pm Operator: SMURRAY
Sample : KWG1405470-LCS5 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F085.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
(30) Toxaphene		
14.59min	1842.871ug/L	264342
(30) Toxaphene #2		
0.00min	0.000ug/L	0

Manual Integration:
Before
06/12/14

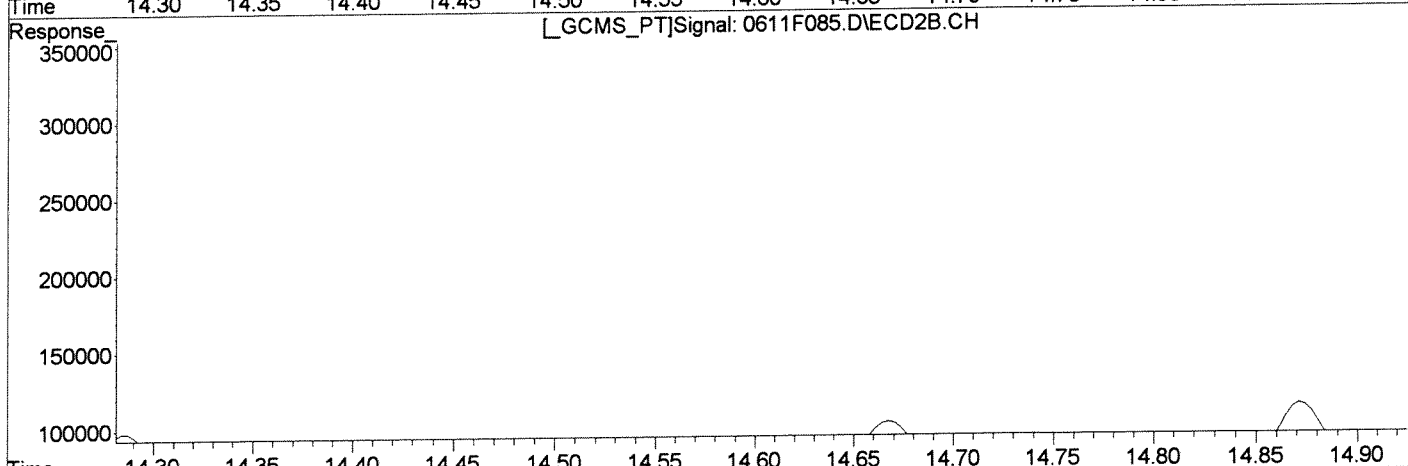
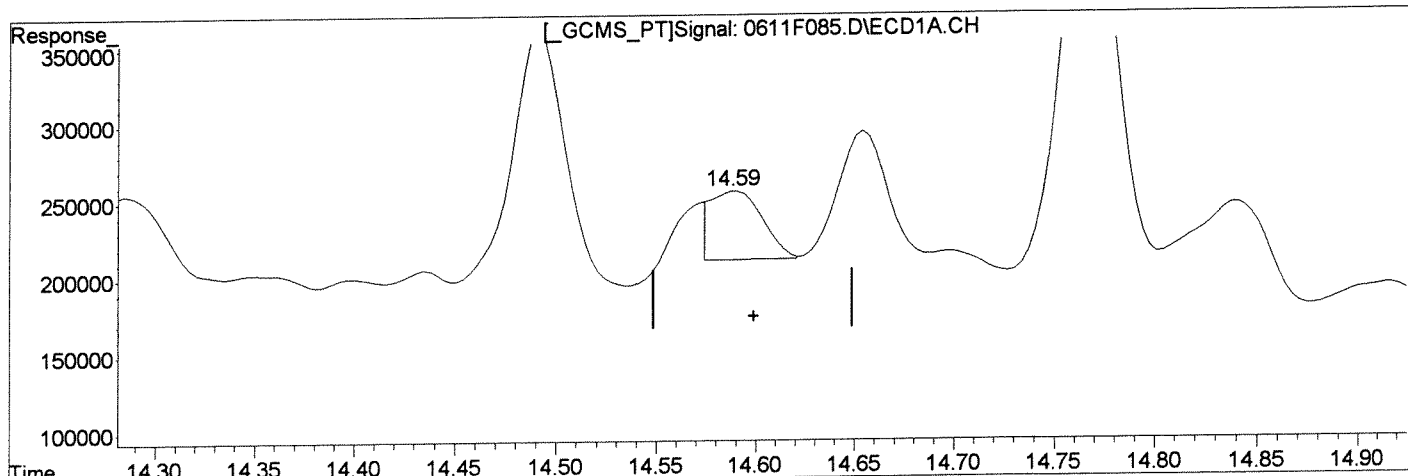
(+) = Expected Retention Time
0611F085.D GC23-031714-8081.M

Thu Jun 12 09:09:24 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F085.D\ECD1A.CH Vial: 14
 Signal #2 : J:\GC23\DATA\061114\0611F085.D\ECD2B.CH
 Acq On : 11 Jun 2014 11:07 pm Operator: SMURRAY
 Sample : KWG1405470-LCS5 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F085.D\ECD1A.CH		Manual Integration:
(30) Toxaphene		After
14.59min	541.772ug/L m	Baseline/Shoulder
response	77712	06/12/14
(30) Toxaphene #2		
0.00min	0.000ug/L d	
response	0	

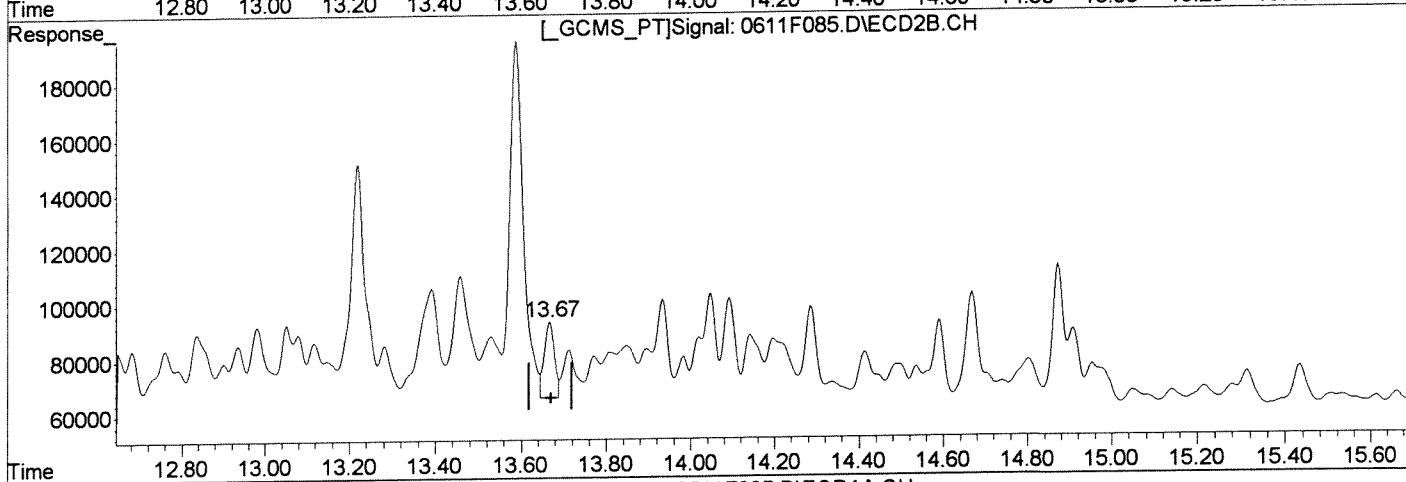
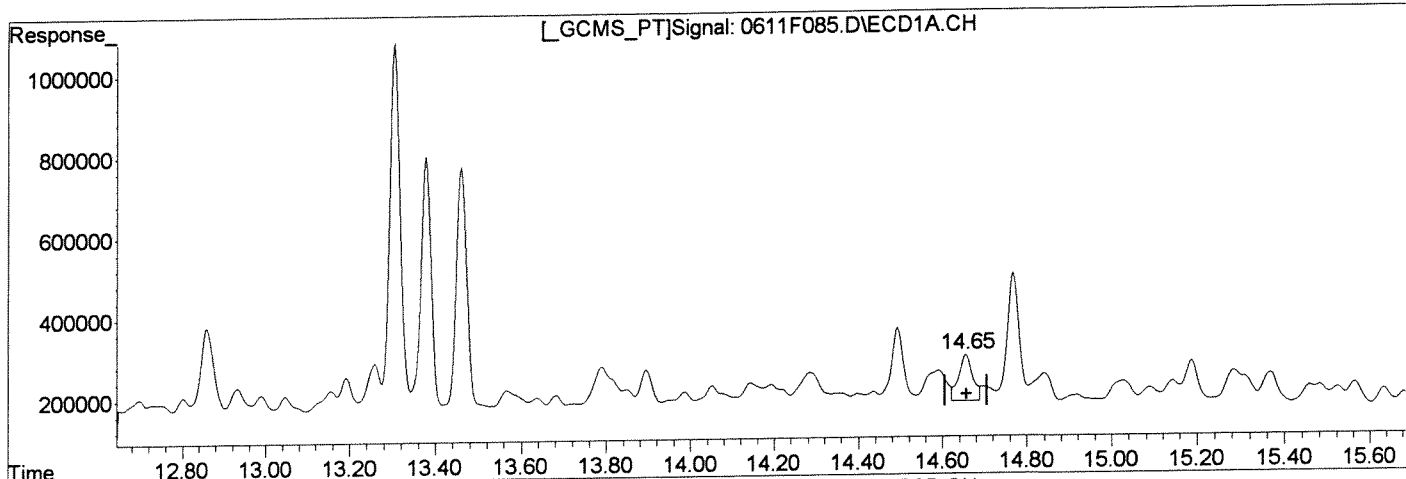
(+) = Expected Retention Time
 0611F085.D GC23-031714-8081.M

Thu Jun 12 09:09:29 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F085.D\ECD1A.CH Vial: 14
 Signal #2 : J:\GC23\DATA\061114\0611F085.D\ECD2B.CH
 Acq On : 11 Jun 2014 11:07 pm Operator: SMURRAY
 Sample : KWG1405470-LCS5 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F085.D\ECD1A.CH		Manual Integration:
(31) Toxaphene {2}		Before
14.65min	1246.882ug/L	
response	263770	06/12/14
(31) Toxaphene {2} #2		
13.67min	689.468ug/L	
response	44937	

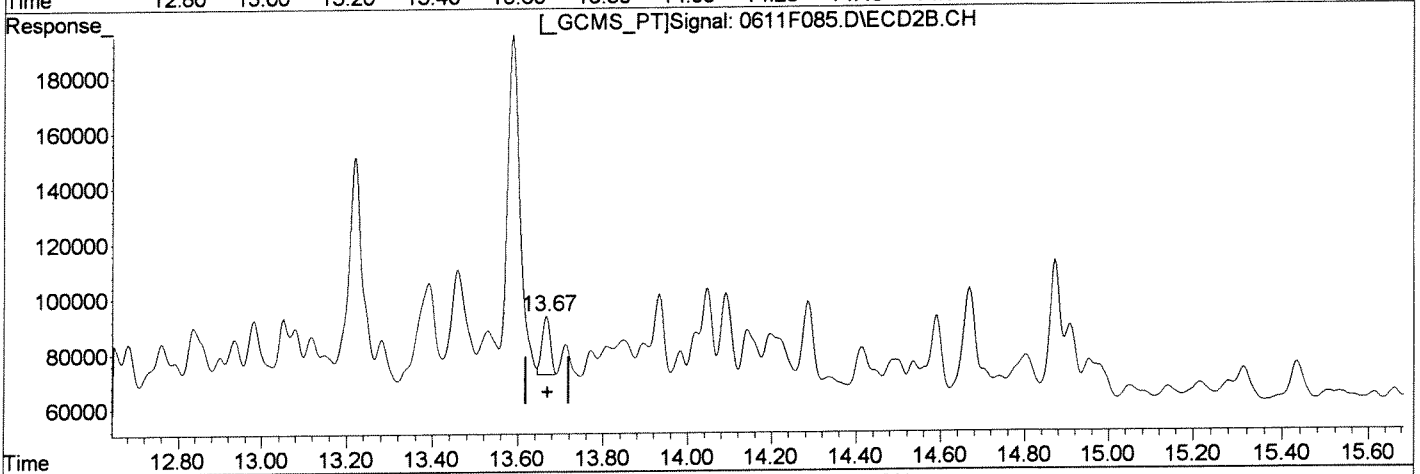
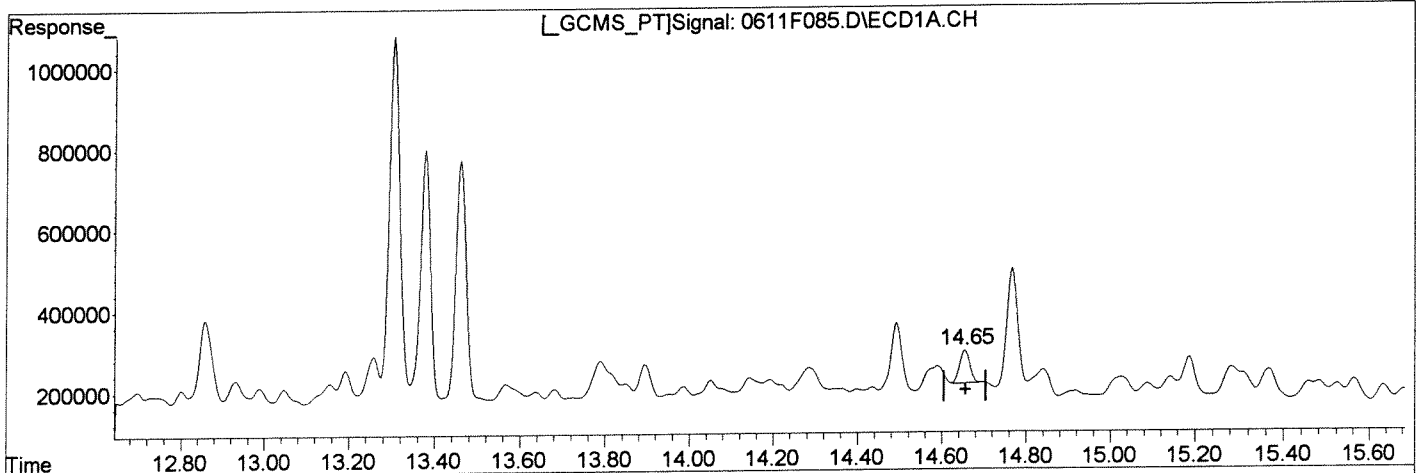
(+) = Expected Retention Time
 0611F085.D GC23-031714-8081.M

Thu Jun 12 09:09:30 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F085.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\061114\0611F085.D\ECD2B.CH
Acq On : 11 Jun 2014 11:07 pm Operator: SMURRAY
Sample : KWG1405470-LCS5 Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F085.D\ECD1A.CH		Manual Integration:
(31) Toxaphene {2}		After
14.65min 642.264ug/L m		Baseline/Shoulder
response 135867		06/12/14
(31) Toxaphene {2} #2		
13.67min 436.877ug/L m		
response 28474		

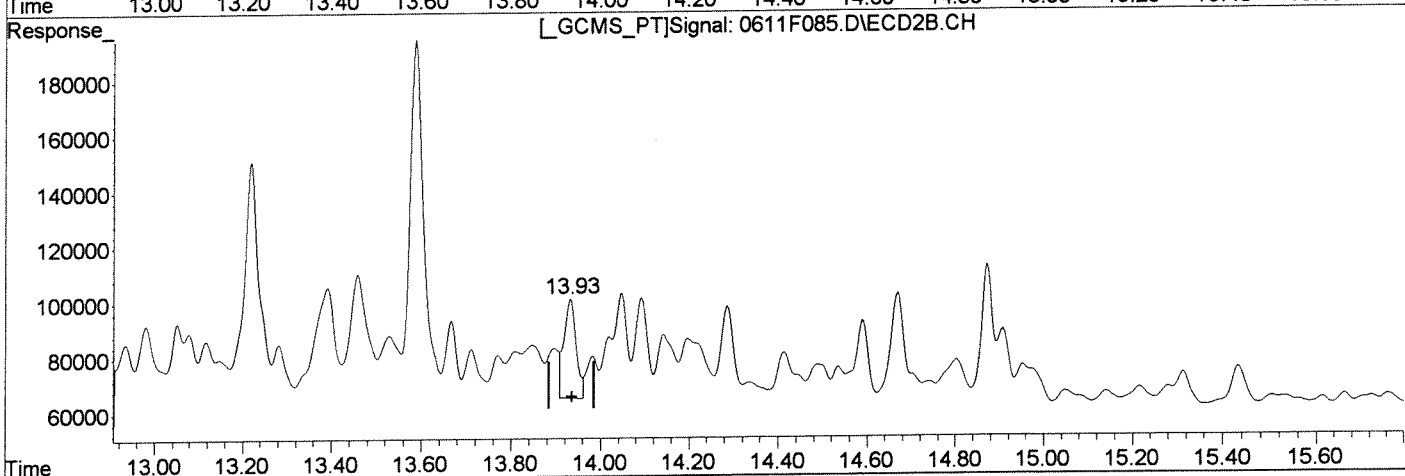
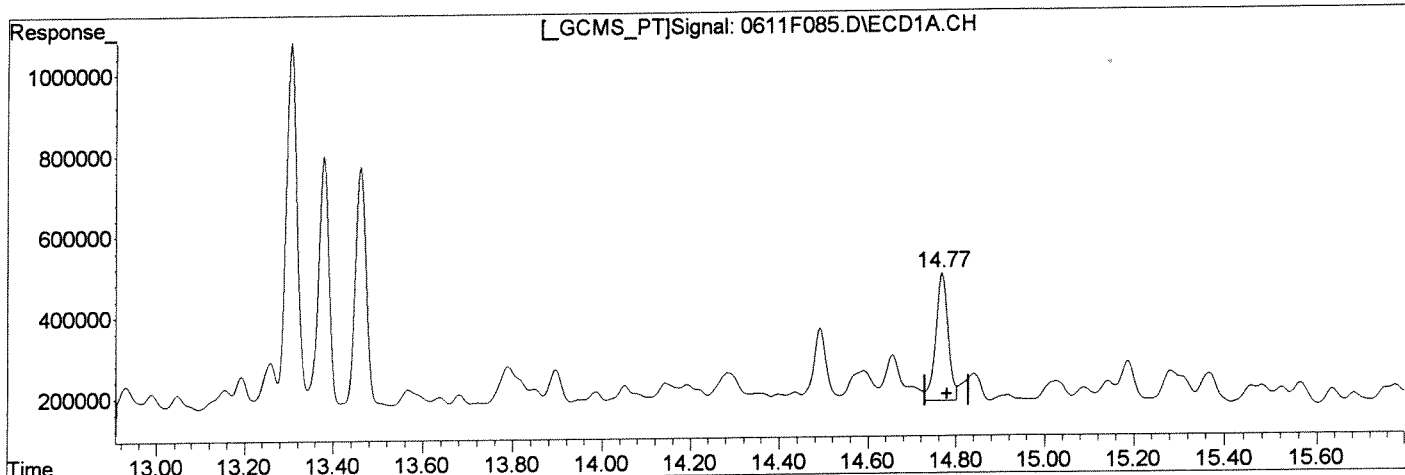
(+) = Expected Retention Time
0611F085.D GC23-031714-8081.M

Thu Jun 12 09:09:40 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F085.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\061114\0611F085.D\ECD2B.CH
Acq On : 11 Jun 2014 11:07 pm Operator: SMURRAY
Sample : KWG1405470-LCS5 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F085.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
14.77	1254.366	621455
13.93	776.106	68240

Manual Integration:
Before
06/12/14

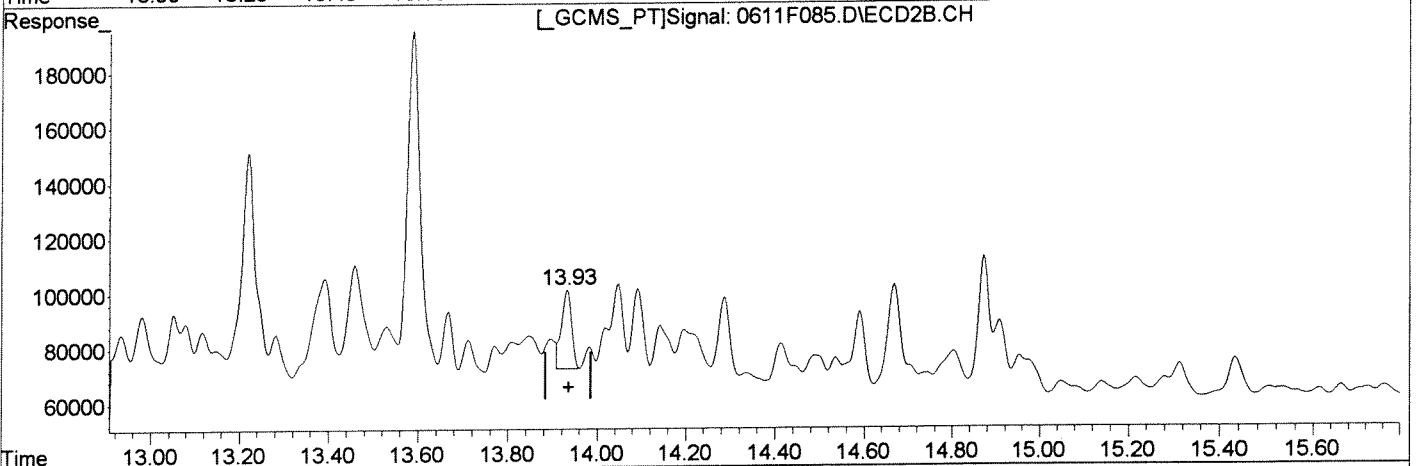
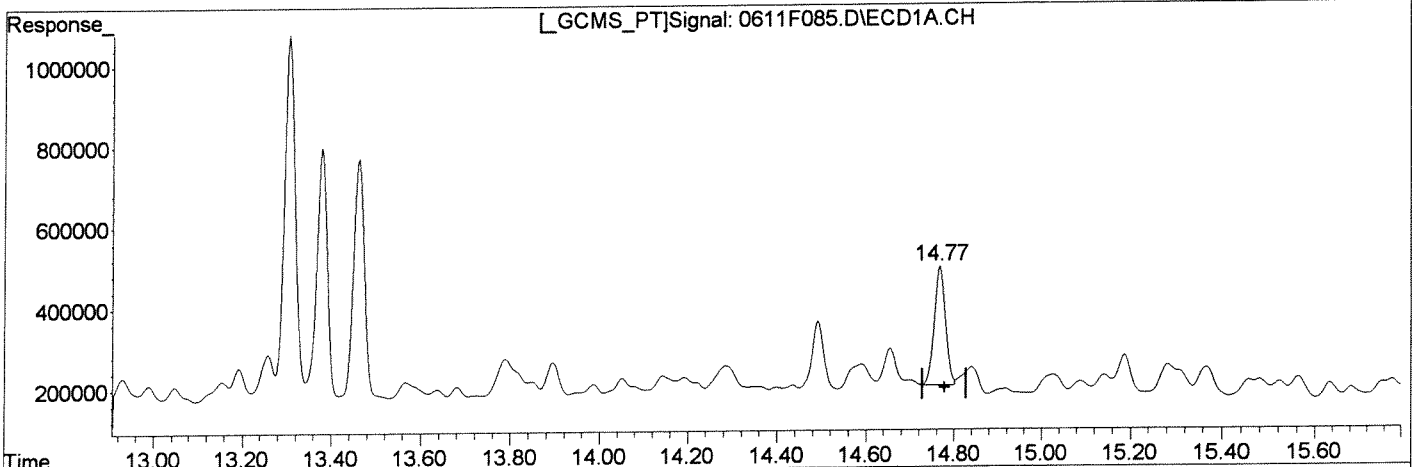
(+) = Expected Retention Time
0611F085.D GC23-031714-8081.M

Thu Jun 12 09:09:42 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F085.D\ECD1A.CH Vial: 14
 Signal #2 : J:\GC23\DATA\061114\0611F085.D\ECD2B.CH
 Acq On : 11 Jun 2014 11:07 pm Operator: SMURRAY
 Sample : KWG1405470-LCS5 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F085.D\ECD1A.CH

(32) Toxaphene {3}	Manual Integration:
14.77min 1061.745ug/L m	After
response 526024	Baseline/Shoulder
	06/12/14
(32) Toxaphene {3} #2	
13.93min 512.794ug/L m	
response 45088	

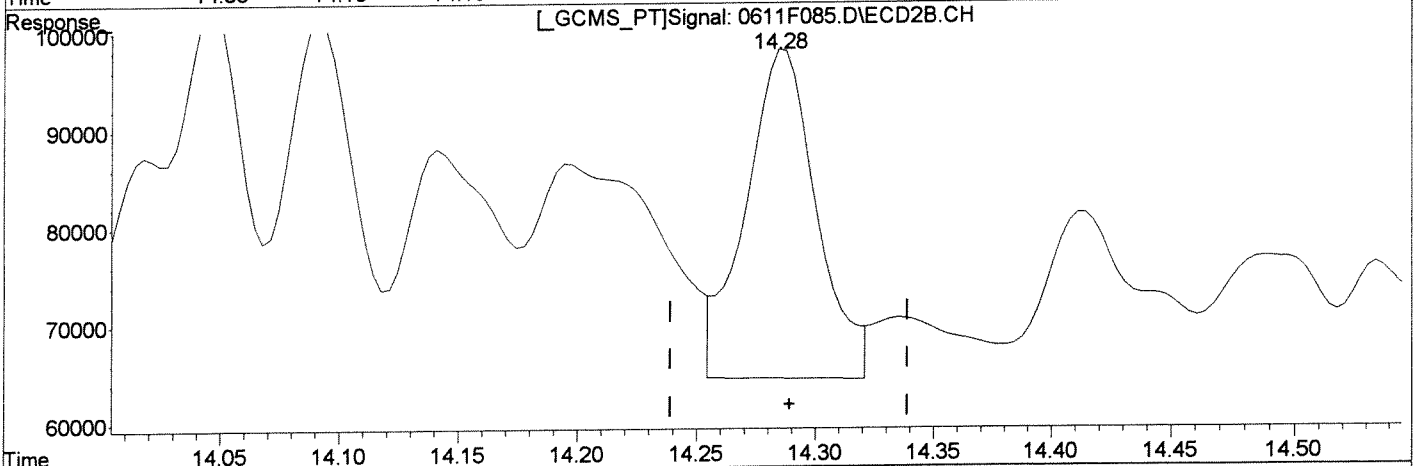
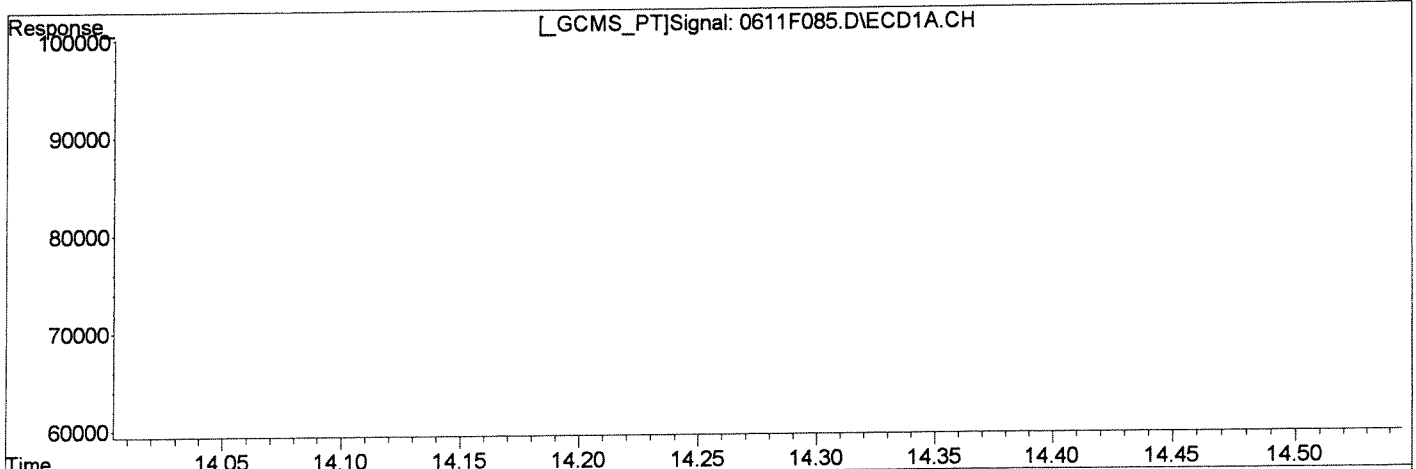
(+) = Expected Retention Time
 0611F085.D GC23-031714-8081.M

Thu Jun 12 09:09:51 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F085.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\061114\0611F085.D\ECD2B.CH
Acq On : 11 Jun 2014 11:07 pm Operator: SMURRAY
Sample : KWG1405470-LCS5 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F085.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
14.84	565.876	178468
14.28	652.957	69756

Manual Integration:
Before
06/12/14

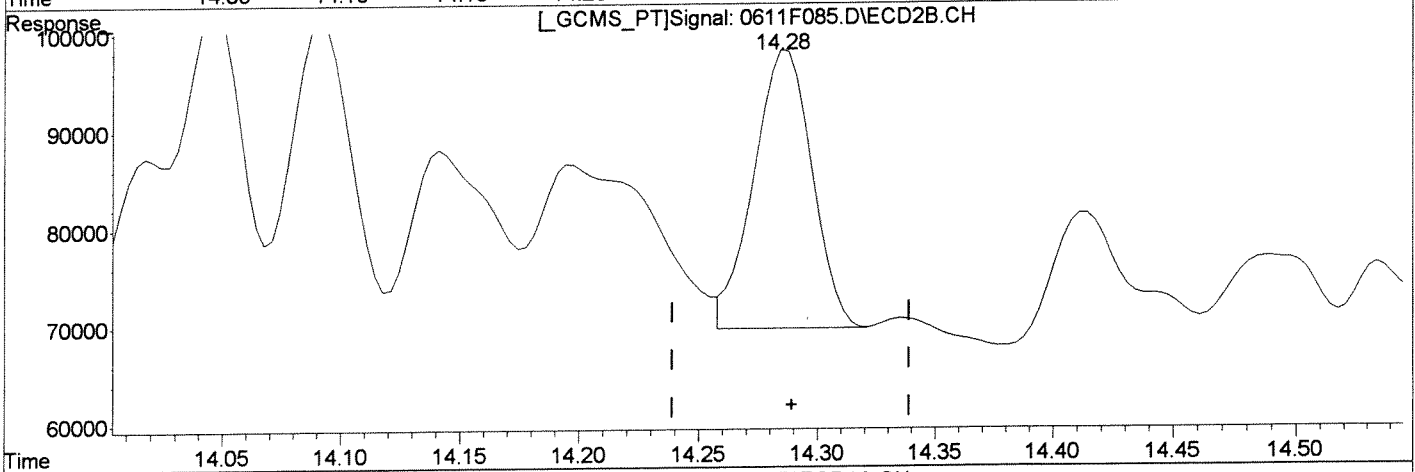
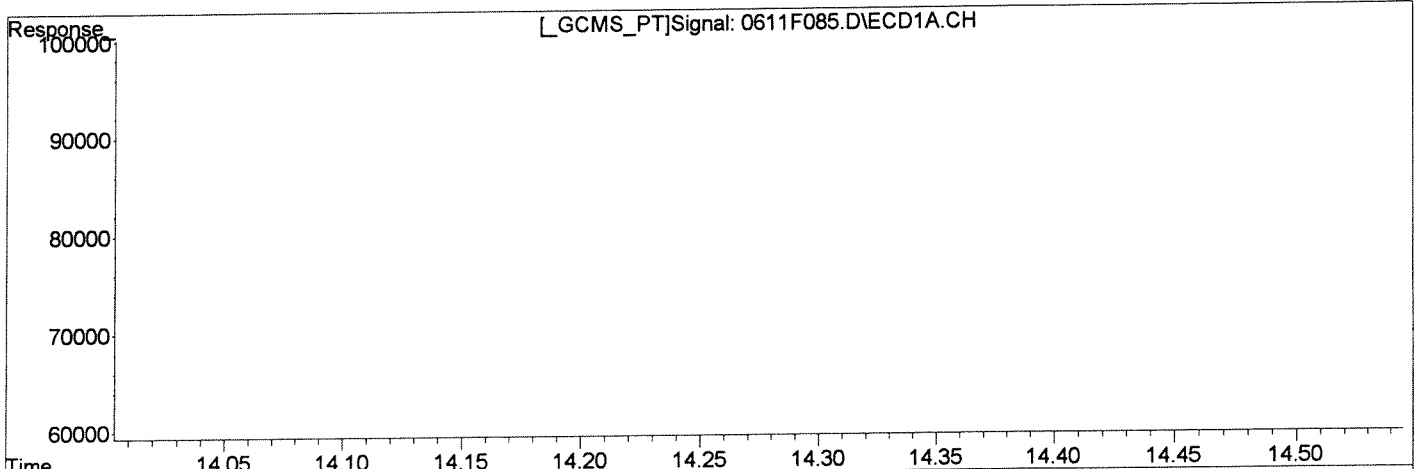
(+) = Expected Retention Time
0611F085.D GC23-031714-8081.M

Thu Jun 12 09:09:55 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F085.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\061114\0611F085.D\ECD2B.CH
Acq On : 11 Jun 2014 11:07 pm Operator: SMURRAY
Sample : KWG1405470-LCS5 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F085.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
14.84	565.876	178468
14.28	451.995	48287

Manual Integration:
After
Baseline/Shoulder
06/12/14

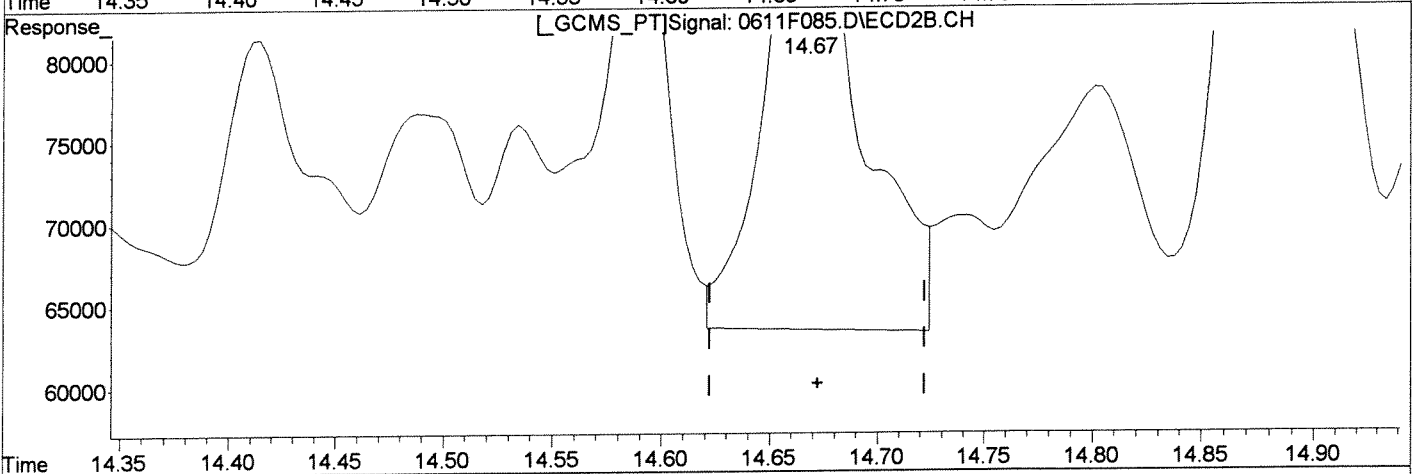
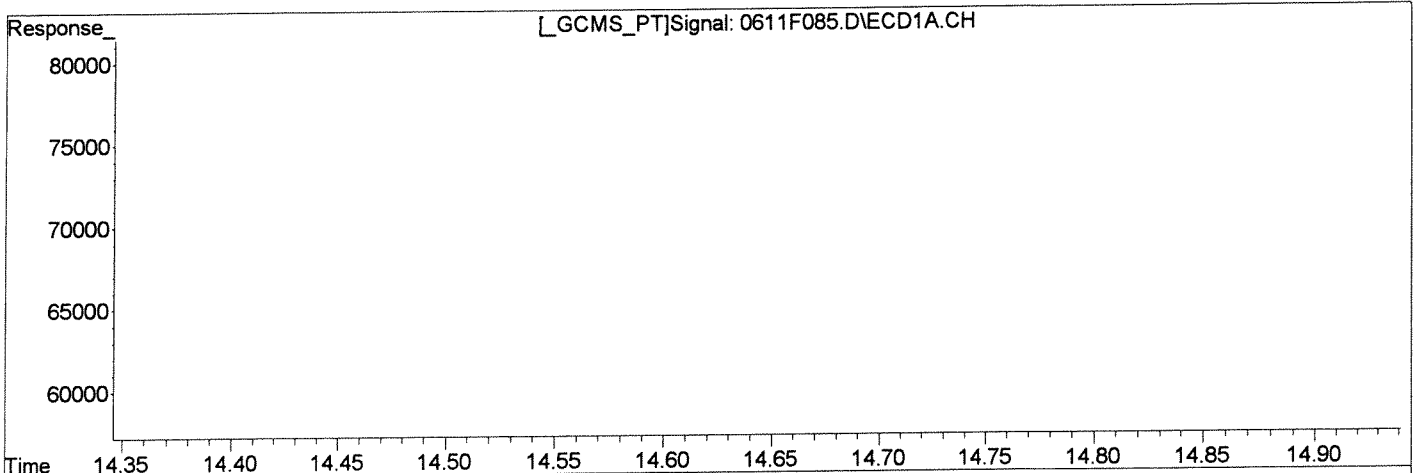
(+) = Expected Retention Time
0611F085.D GC23-031714-8081.M

Thu Jun 12 09:09:59 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F085.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\061114\0611F085.D\ECD2B.CH
Acq On : 11 Jun 2014 11:07 pm Operator: SMURRAY
Sample : KWG1405470-LCS5 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F085.D\ECD1A.CH

(34) Toxaphene {5}	Manual Integration:
15.19min 569.707ug/L	Before
response 183243	06/12/14
(34) Toxaphene {5} #2	
14.67min 493.134ug/L	
response 98129	

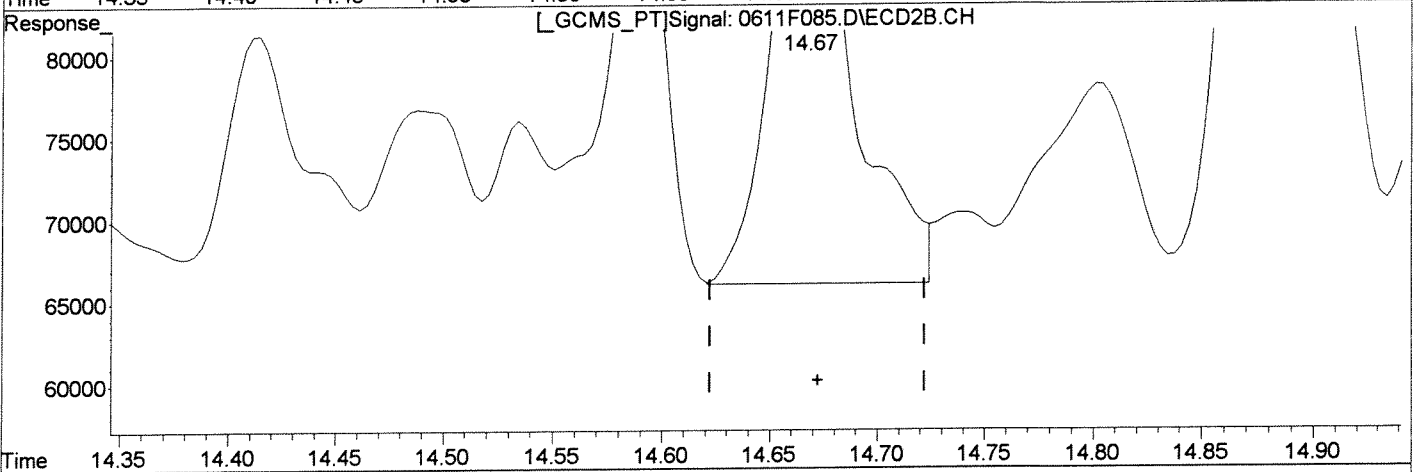
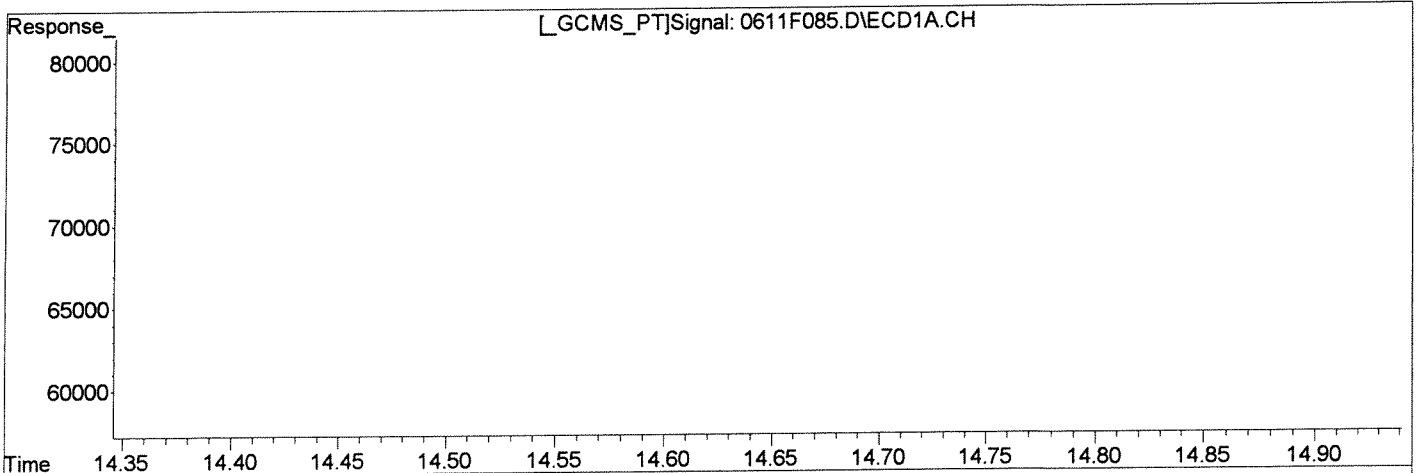
(+) = Expected Retention Time
0611F085.D GC23-031714-8081.M

Thu Jun 12 09:10:02 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F085.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\061114\0611F085.D\ECD2B.CH
Acq On : 11 Jun 2014 11:07 pm Operator: SMURRAY
Sample : KWG1405470-LCS5 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F085.D\ECD1A.CH	
(34) Toxaphene {5}	Manual Integration:
15.19min 569.707ug/L	After
response 183243	Baseline/Shoulder
	06/12/14
(34) Toxaphene {5} #2	
14.67min 411.814ug/L m	
response 81947	

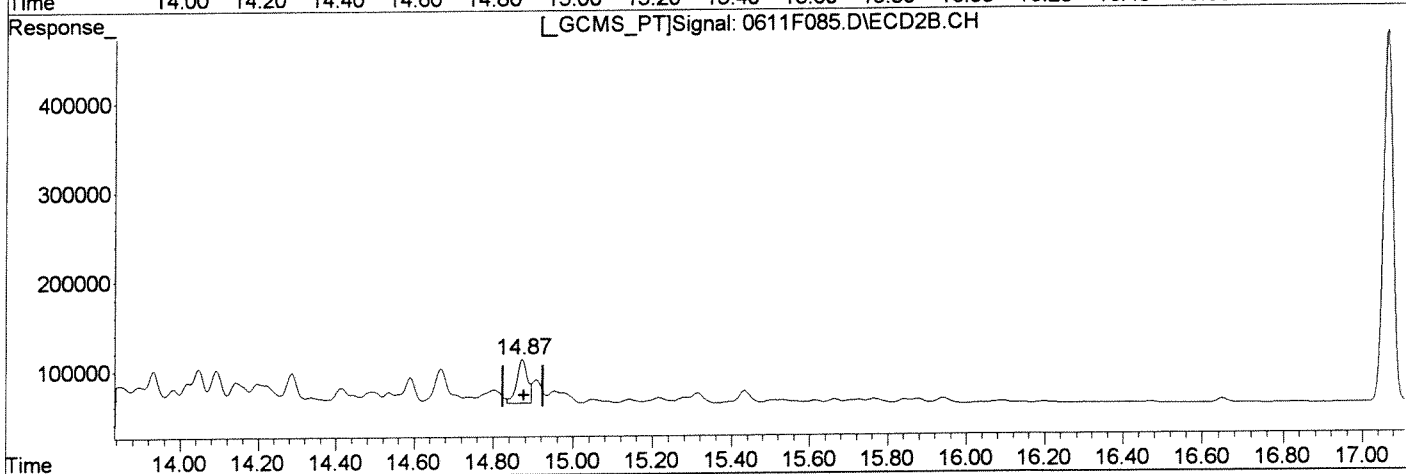
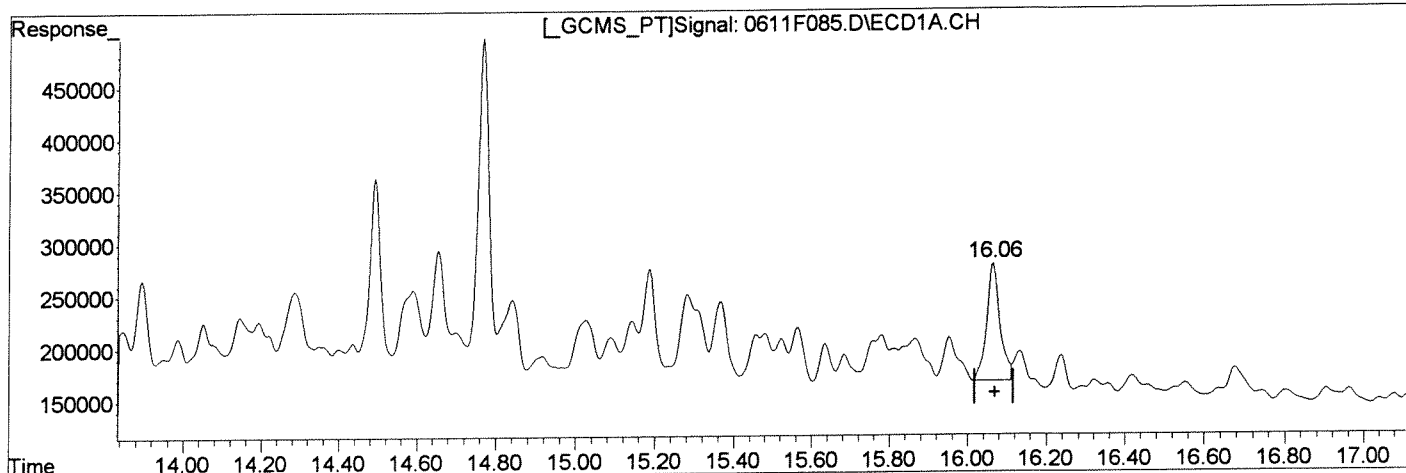
(+) = Expected Retention Time
0611F085.D GC23-031714-8081.M

Thu Jun 12 09:10:05 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F085.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\061114\0611F085.D\ECD2B.CH
Acq On : 11 Jun 2014 11:07 pm Operator: SMURRAY
Sample : KWG1405470-LCS5 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES


Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F085.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
16.06	630.336	268274
14.87	652.983	94680

Manual Integration:
Before
06/12/14



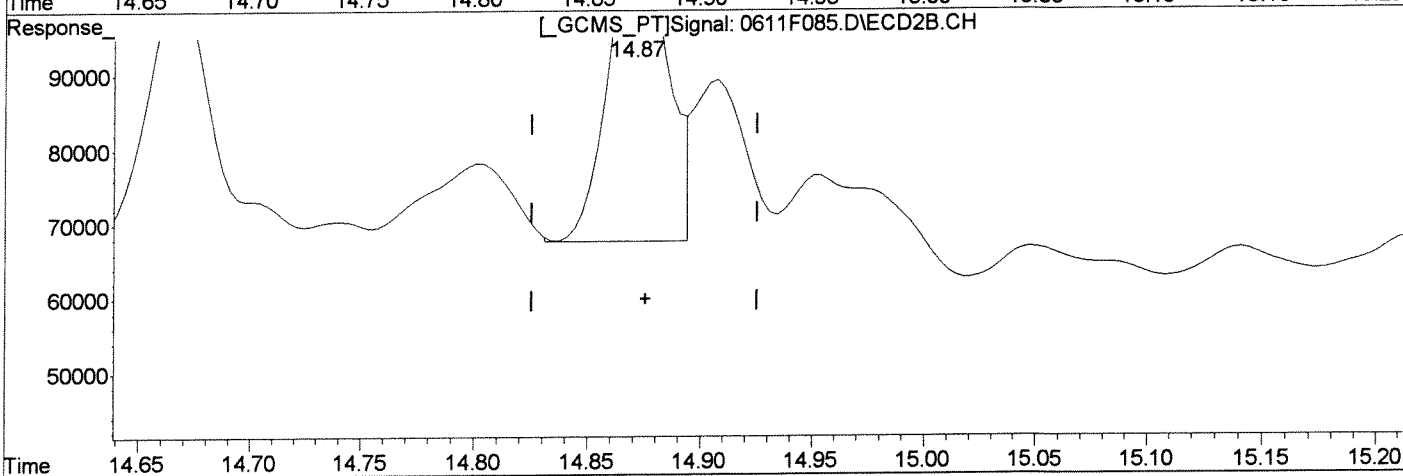
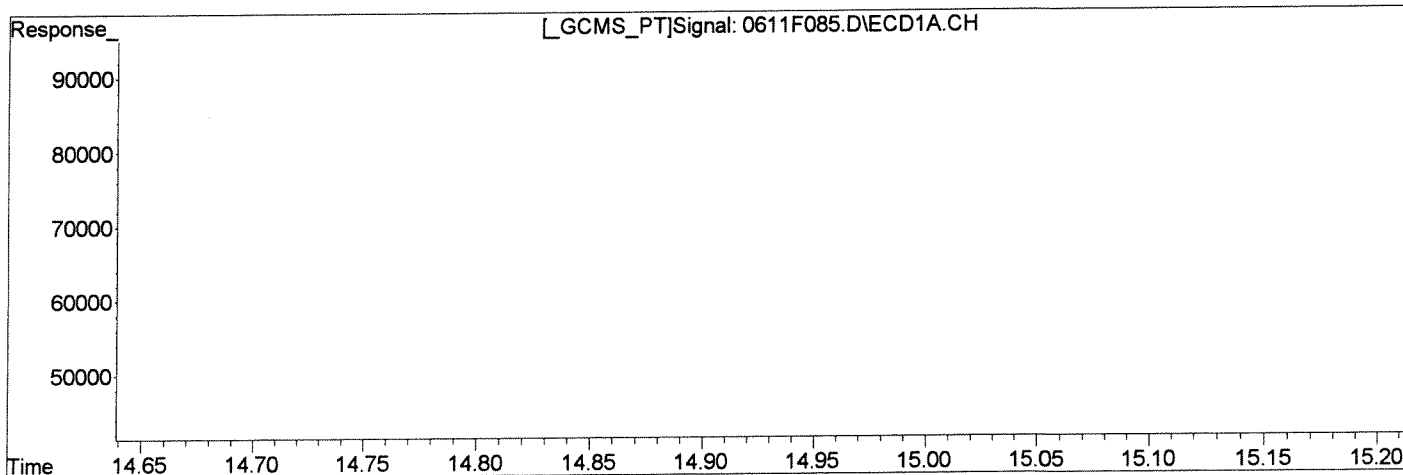
(+) = Expected Retention Time
0611F085.D GC23-031714-8081.M


Thu Jun 12 09:10:07 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F085.D\ECD1A.CH Vial: 14
Signal #2 : J:\GC23\DATA\061114\0611F085.D\ECD2B.CH
Acq On : 11 Jun 2014 11:07 pm Operator: SMURRAY
Sample : KWG1405470-LCS5 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F085.D\ECD1A.CH	
(35) Toxaphene {6}	Manual Integration:
16.06min 630.336ug/L	After
response 268274	Baseline/Shoulder
(35) Toxaphene {6} #2	06/12/14
14.87min 535.752ug/L m	
response 77682	

(+) = Expected Retention Time
0611F085.D GC23-031714-8081.M

Thu Jun 12 09:10:11 2014

Exception Report

Data File: J:\GC23\DATA\061114\0611F082.D
Lab ID: KWG1405470-2
RunType: DLCS
Matrix: WATER

Date Acquired: 06/11/2014 21:39
Date Quantitated: 06/12/2014 09:07
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA		x
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Second Source ICAL Verification	Endrin Aldehyde	21.1	NA	20	
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	461.666666	87846.66666	[Handwritten Signature]
	1-Bromo-2-nitrobenzene {3}	0	2579.916666	90319.66666	
Analyte Co-elution	1-Bromo-2-nitrobenzene	6.05	NA	NA	[Handwritten Signature]
	4,4'-DDD	14.5	NA	NA	
	1-Bromo-2-nitrobenzene {4}	6.05	NA	NA	
	cis-Nonachlor	14.5	NA	NA	
Above Highest ICAL Level	cis-Nonachlor	138.46	NA	100	

Primary Review: [Handwritten Signature]
 Secondary Review: [Handwritten Signature]

Exception Report

Data File: J:\GC23\DATA\061114\0611F082.D\0611F082C.D
Lab ID: KWG1405470-2
RunType: DLCS
Matrix: WATER


Date Acquired: 06/11/2014 21:39
Date Quantitated: 06/12/2014 09:07
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

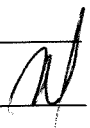
Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	317634	1270536	NR
	1-Bromo-2-nitrobenzene {3}	0	321991.5	1287966	
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.48	NA	NA	SD
	1-Bromo-2-nitrobenzene {4}	5.48	NA	NA	

Primary Review: 

Secondary Review: 

Quantitation Report

Data File #1:	J:\GC23\DATA\061114\0611F082.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F082.D\0611F082c.d	Vial:	11
Acqu Date:	06/11/2014 21:39	Quant Date:	06/12/2014 09:07
Run Type:	DLCS	Dilution:	1.0
Lab ID:	KWG1405470-2	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:		Tier:		Matrix:	WATER
Prod Code:	8081B Pest OC	Collect Date:		Receive Date:	06/10/2014

Analysis Lot:	KWG1405590	Prep Lot:	KWG1405470	Report Group:	
Analysis Method:	8081B	Prep Method:	EPA 3535A		
Prep Ref:	1347002	Prep Date:	06/09/2014		

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL13214
Title:		Method ID:	MJ1013
MB Ref:	J:\GC23\DATA\061114\0611F087.D	Quant based on Method	

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	6.05 ^{-0.11c}	5.48 ^{-0.07c}	2246233	901185	100.00	100.00
2	1-Bromo-2-nitrobenzene {2}			0d	0d	100.00	100.00
3	1-Bromo-2-nitrobenzene {3}			0d	0d	100.00	100.00
4	1-Bromo-2-nitrobenzene {4}	6.05 ^{+0.13c}	5.48 ^{+0.09c}	2246233	901185	100.00	100.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2	Rpt
1	Tetrachloro-m-xylene	8.81	7.26 ^{-0.01}	1910056	820975	71.24	69.03	71 OK
				%Recovery =		71 OK	69 OK	Limits = 20-106
1	Decachlorobiphenyl	18.51 ^{+0.01}	17.07	1820241	735821	77.34	73.00	77 OK
				%Recovery =		77 OK	73 OK	Limits = 19-127

Target Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	Final Conc. Units:		Rpt		
						ug/L #1	ug/L #2			
1	alpha-BHC	9.65	8.50	2817450	1122602	81.31	78.35	0.163	0.157	0.157
1	Hexachlorobenzene	9.81	8.28	2162808	927322	71.22	67.41	0.142	0.135	0.135
1	beta-BHC	10.92	9.78	1162701	501257	81.07	76.03	0.162	0.152	0.152
1	gamma-BHC (Lindane)	10.32	9.25	2615430	1021817	81.99	77.27	0.164	0.155	0.155
1	delta-BHC	11.43	10.31	2655160	1081953	85.65	83.33	0.171	0.167	0.167
1	Heptachlor	11.52	9.93	2211642	865947	71.42	70.15	0.143	0.140	0.140
1	Aldrin	12.06	10.52	1923279	819143	60.94	60.04	0.122	0.120	0.120
1	Isodrin	12.59	11.32	1774285	744899	67.18	65.81	0.134	0.132	0.132
1	Heptachlor Epoxide	12.78	11.60	2069112	877208	71.05	72.30	0.142	0.145	0.142

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

?: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC23\DATA\061114\0611F082.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F082.D\0611F082c.d	Vial:	11
Acqu Date:	06/11/2014 21:39	Quant Date:	06/12/2014 09:07
Run Type:	DLCS	Dilution:	1.0
Lab ID:	KWG1405470-2	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Target Compounds

		Final Conc. Units:		ug/L		ug/L		ug/L		ug/L		Rpt
IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/L #1	ug/L #2	ug/L #1	ug/L #2	Rpt
1	gamma-Chlordane	13.31 ^{+0.01}	11.98	2086957	876761	70.86	69.17	0.142	0.138			0.138
1	Endosulfan I	13.43	12.20 ^{+0.01}	1726187	692122	65.73	63.09	0.131	0.126			0.126
1	alpha-Chlordane	13.38	12.13	2057398	853833	70.81	68.77	0.142	0.138			0.138
1	Dieldrin	13.85	12.64	2163386	890801	76.91	71.99	0.154	0.144			0.144
1	4,4'-DDE	13.66	12.49	2051939	911673	72.55	74.23	0.145	0.148			0.145
1	Endrin	14.22	13.12	1937747	837613	79.33	78.69	0.159	0.157			0.157
1	Endosulfan II	14.66	13.55	1694498	696999	69.78	68.45	0.140	0.137			0.137
1	4,4'-DDD	14.50	13.38	3984572	719921	172.56	75.08	0.345	0.150			0.150P
1	Endrin Aldehyde	14.84	13.92	1577543	653285	99.06	83.20	0.198	0.166			0.166
1	Endosulfan Sulfate	15.32	14.24	1834620	752562	85.30	79.27	0.171	0.159			0.159
1	4,4'-DDT	15.00	13.80	1813953	725253	88.36	79.85	0.177	0.160			0.160
1	Endrin Ketone	16.00	15.19	2282050	903812	84.08	77.24	0.168	0.154			0.154
1	Methoxychlor	15.75 ^{+0.01}	14.91	1038503	408554	95.34	88.10	0.191	0.176			0.176
1	2,4'-DDE			0d	0d	0.0000	0.0000	0.00050U	0.00050U			NR
1	2,4'-DDD			0d	0d	0.0000	0.0000	0.00057U	0.00057U			NR
1	2,4'-DDT			0d	0d	0.0000	0.0000	0.00059U	0.00059U			NR
	Toxaphene			0	0	0.0000	0.0000	0.0510U	0.0510U			NR
2	Toxaphene {1}			0d	0d	0.0000	0.0000	0.051U	0.051U			
2	Toxaphene {2}			0d	0d	0.0000	0.0000	0.051U	0.051U			
2	Toxaphene {3}			0d	0d	0.0000	0.0000	0.051U	0.051U			
2	Toxaphene {4}			0d	0d	0.0000	0.0000	0.051U	0.051U			
2	Toxaphene {5}			0d	0d	0.0000	0.0000	0.051U	0.051U			
2	Toxaphene {6}			0d	0d	0.0000	0.0000	0.051U	0.051U			
	Chlordane			0	0	0.0000	0.0000	0.0220U	0.0220U			NR
3	Chlordane {1}			0d	0d	0.0000	0.0000	0.022U	0.022U			
3	Chlordane {2}			0d	0d	0.0000	0.0000	0.022U	0.022U			
3	Chlordane {3}			0d	0d	0.0000	0.0000	0.022U	0.022U			
3	Chlordane {4}			0d	0d	0.0000	0.0000	0.022U	0.022U			
3	Chlordane {5}			0d	0d	0.0000	0.0000	0.022U	0.022U			
3	Chlordane {6}			0d	0d	0.0000	0.0000	0.022U	0.022U			
4	Chlorpyrifos	11.99 ^{Pa}	10.89	979181	413775	80.82	93.31	0.162	0.187			0.162
4	Oxychlordane	12.75	11.39	1716529	693666	71.54	67.32	0.143	0.135			0.135
4	cis-Nonachlor	14.50 ^{+0.01c}	13.22	3984572	906948	138.46	69.89	0.277E	0.140			0.140P
4	trans-Nonachlor	13.46	12.03 ^{+0.01}	1934305	842192	67.41	66.69	0.135	0.133			0.133
4	Mirex	16.85	15.38 ^{+0.01}	1507282	628412	70.18	70.62	0.140	0.141			0.140
4	Hexachloroethane	4.04	3.44	2855331	1079815	53.82	51.69	0.108	0.103			0.103
4	Hexachlorobutadiene	4.81	3.99	1809227	720717	44.58	43.05	0.0892	0.0861			0.0861
4	Alachlor	10.77		1050	0	0.0000	0.0000					

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Signal #1 : J:\GC23\DATA\061114\0611F082.D\ECD1A.CH Vial: 11
 Signal #2 : J:\GC23\DATA\061114\0611F082.D\ECD2B.CH
 Acq On : 11 Jun 2014 9:39 pm Operator: SMURRAY
 Sample : KWG1405470-DLCS2 Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:09:27 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Internal Standards						
1) i 1-Bromo-2-nitrob	6.05	5.48	2246233	901185	100.000	100.000
43) 1-Bromo-2-nitrob	6.05	5.48	2246233	901185	100.000	100.000
System Monitoring Compounds						
2) s Tetrachloro-m-xy	8.81	7.26	1910056	820975	71.236	69.034
28) s Decachlorobiphen	18.51	17.07	1820241	735821	77.341	72.996
Target Compounds						
3) alpha-BHC	9.65	8.50	2817450	1122602	81.311	78.353
4) Hexachlorobenzen	9.81	8.28	2162808	927322	71.221	67.414
5) beta-BHC	10.92	9.78	1162701	501257	81.074	76.032
6) gamma-BHC (Linda	10.32	9.25	2615430	1021817	81.993	77.273
7) delta-BHC	11.43	10.31	2655160	1081953	85.653	83.327
8) Heptachlor	11.52	9.93	2211642	865947	71.422	70.145
9) Aldrin	12.06	10.52	1923279	819143	60.939	60.037
10) Isodrin	12.59	11.32	1774285	744899	67.182	65.811
11) Heptachlor Epoxi	12.78	11.60	2069112	877208	71.046	72.298
12) gamma-Chlordane	13.31	11.98	2086957	876761	70.855	69.172
13) Endosulfan I	13.43	12.20	1726187	692122	65.731	63.092
14) alpha-Chlordane	13.38	12.13	2057398	853833	70.805	68.769
15) Dieldrin	13.85	12.64	2163386	890801	76.908	71.989
16) 4,4'-DDE	13.66	12.49	2051939	911673	72.554	74.228
17) Endrin	14.22	13.12	1937747	837613	79.334	78.693
18) Endosulfan II	14.66	13.55	1694498	696999	69.783	68.452
19) 4,4'-DDD	14.50	13.38	3984572	719921	172.563	75.079 #
20) Endrin Aldehyde	14.84	13.92	1577543	653285	99.059	83.200
21) Endosulfan Sulfa	15.32	14.24	1834620	752562	85.295	79.267
22) 4,4'-DDT	15.00	13.80	1813953	725253	88.359	79.854
23) Endrin Ketone	16.00	15.19	2282050	903812	84.082	77.243
24) Methoxychlor	15.75	14.91	1038503	408554	95.343	88.097
44) Chlorpyrifos	11.99	10.89	979181	413775	80.820	93.312
45) Oxychlorane	12.75	11.39	1716529	693666	71.543	67.315
46) cis-Nonachlor	14.50	13.22	3984572	906948	138.456	69.893 #
47) trans-Nonachlor	13.46	12.03	1934305	842192	67.406	66.692
48) Mirex	16.85	15.38	1507282	628412	70.182	70.618

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F082.D\ECD1A.CH Vial: 11
 Signal #2 : J:\GC23\DATA\061114\0611F082.D\ECD2B.CH
 Acq On : 11 Jun 2014 9:39 pm Operator: SMURRAY
 Sample : KWG1405470-DLCS2 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:09:27 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

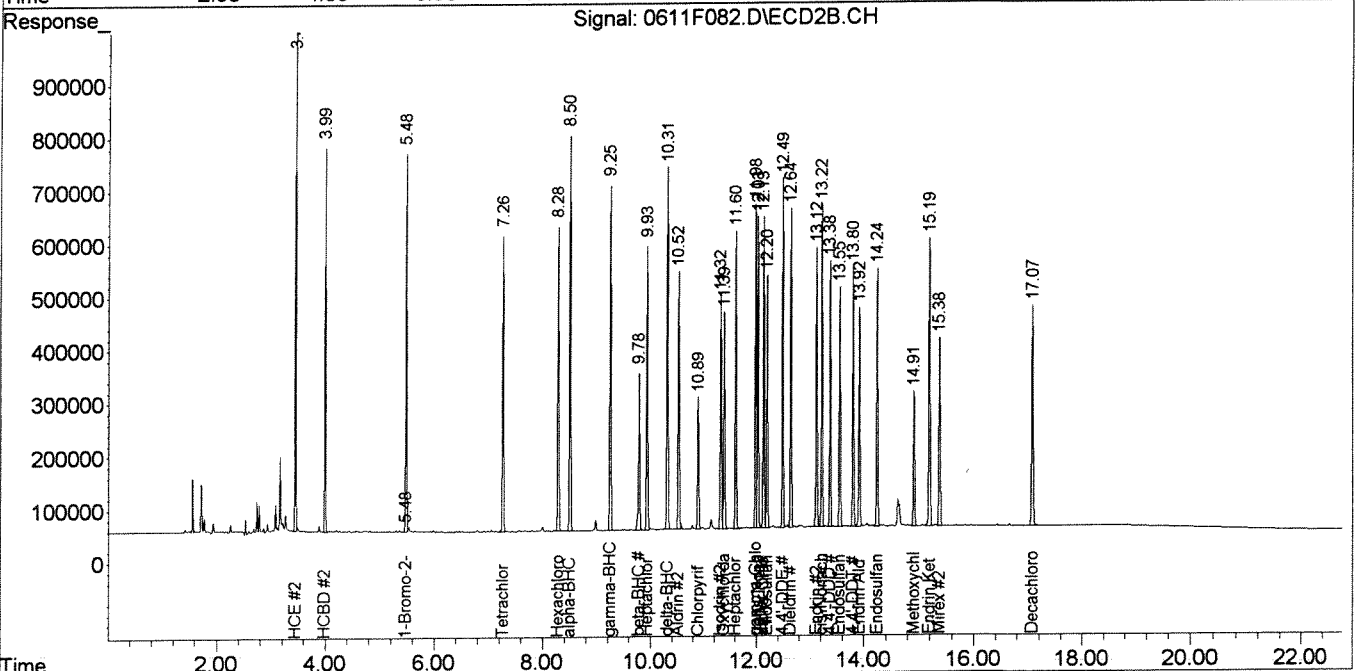
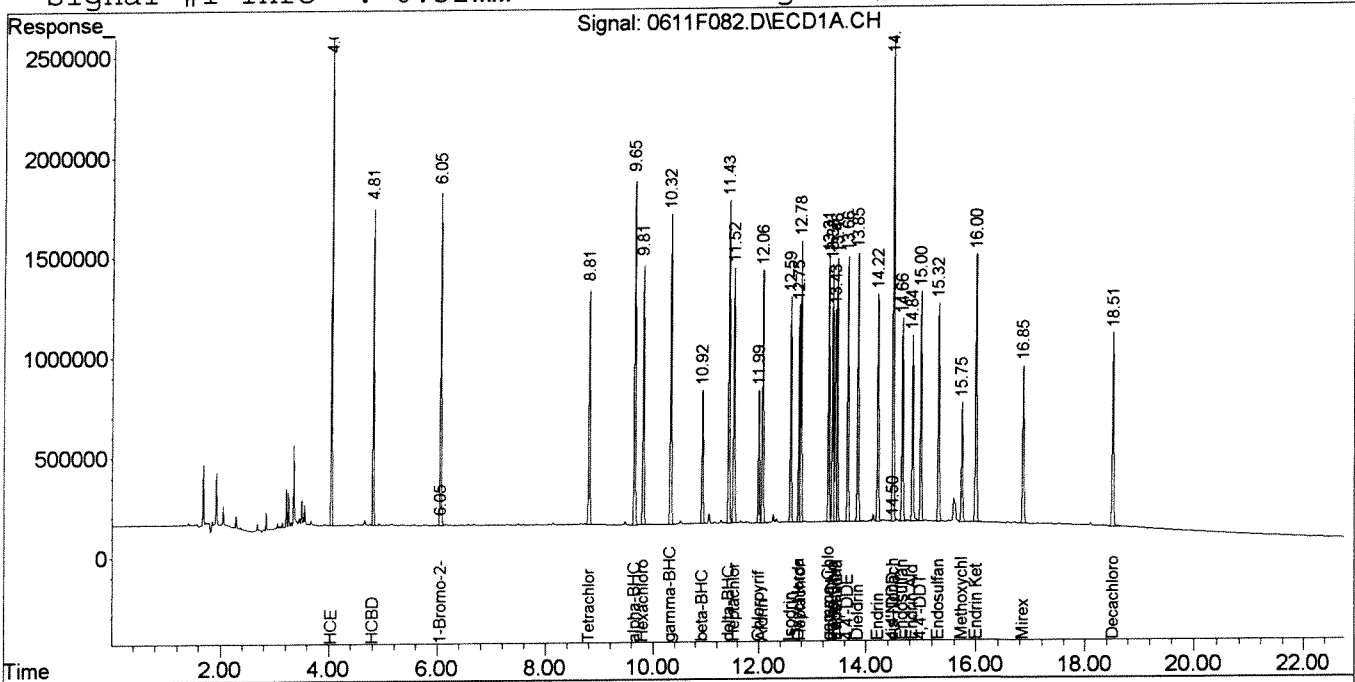
	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
49)	HCE	4.04	3.44	2855331	1079815	53.815	51.692
50)	HCBD	4.81	3.99	1809227	720717	44.576	43.054

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F082.D\ECD1A.CH Vial: 11
 Signal #2 : J:\GC23\DATA\061114\0611F082.D\ECD2B.CH
 Acq On : 11 Jun 2014 9:39 pm Operator: SMURRAY
 Sample : KWG1405470-DLCS2 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 9:07 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Exception Report

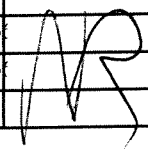
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Lab ID: KWG1405470-2
RunType: DLCS
Matrix: WATER

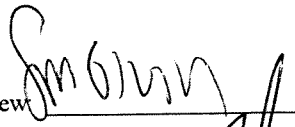
Date Acquired: 06/11/2014 22:38
Date Quantitated: 06/12/2014 09:08
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Second Source ICAL Verification	Endrin Aldehyde	21.1	NA	20	
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	9461.666666	87846.666666	
	1-Bromo-2-nitrobenzene {3}	0	2579.916666	20319.666666	
	1-Bromo-2-nitrobenzene {4}	0	823706.5	3294826	

Primary Review: 
 Secondary Review: _____

Exception Report

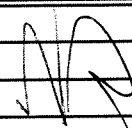
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Lab ID: KWG1405470-2
RunType: DLCS
Matrix: WATER

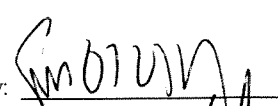
Date Acquired: 06/11/2014 22:38
Date Quantitated: 06/12/2014 09:08
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	317634	1270536	
	1-Bromo-2-nitrobenzene {3}	0	321991.5	1287966	
	1-Bromo-2-nitrobenzene {4}	0	5189.083333	24756.33333	

Primary Review: 

Secondary Review: _____

Quantitation Report

Data File #1:	J:\GC23\DATA\061114\0611F084.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F084.D\0611F084c.d	Vial:	13
Acqu Date:	06/11/2014 22:38	Quant Date:	06/12/2014 09:08
Run Type:	DLCS	Dilution:	1.0
Lab ID:	KWG1405470-2	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:		Tier:		Matrix:	WATER
Prod Code:	8081B Pest OC	Collect Date:		Receive Date:	06/10/2014

Analysis Lot:	KWG1405590	Prep Lot:	KWG1405470	Report Group:	
Analysis Method:	8081B	Prep Method:	EPA 3535A		
Prep Ref:	1347002	Prep Date:	06/09/2014		

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL13214
Title:		Method ID:	MJ1013
MB Ref:	J:\GC23\DATA\061114\0611F087.D	Quant based on Method	

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	6.06 ^{-0.10}	5.48 ^{-0.07}	2234875	867889	100.00	100.00
2	1-Bromo-2-nitrobenzene {2}			0d	0d	100.00	100.00
3	1-Bromo-2-nitrobenzene {3}			0d	0d	100.00	100.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	100.00	100.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2	Rpt
1	Tetrachloro-m-xylene	8.81	7.27	1935109	829318	72.55	72.41	NR
				%Recovery =		73 OK	72 OK	Limits = 20-106
1	Decachlorobiphenyl	18.51 ^{+0.01}	17.07	1710115	674410	72.77	69.47	NR
				%Recovery =		73 OK	69 OK	Limits = 19-127

Target Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	Final Conc. Units: ug/L				Rpt
						ug/L #1	ug/L #2	ug/L #1	ug/L #2	
1	alpha-BHC			0d	0d	0.0000	0.0000	0.00033U	0.00033U	NR
1	Hexachlorobenzene			0d	0d	0.0000	0.0000	0.00031U	0.00031U	0.00031U
1	beta-BHC			0d	0d	0.0000	0.0000	0.00083U	0.00083U	NR
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000	0.00044U	0.00044U	NR
1	delta-BHC			0d	0d	0.0000	0.0000	0.00057U	0.00057U	NR
1	Heptachlor			0d	0d	0.0000	0.0000	0.00036U	0.00036U	NR
1	Aldrin			0d	0d	0.0000	0.0000	0.00040U	0.00040U	NR
1	Isodrin			0d	0d	0.0000	0.0000	0.00056U	0.00056U	0.00056U
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000	0.00032U	0.00032U	NR

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

?: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC23\DATA\061114\0611F084.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F084.D\0611F084c.d	Vial:	13
Acqu Date:	06/11/2014 22:38	Quant Date:	06/12/2014 09:08
Run Type:	DLCS	Dilution:	1.0
Lab ID:	KWG1405470-2	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Target Compounds

Final Conc. Units: ug/L

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/L #1	ug/L #2	Rpt
1	gamma-Chlordane			0d	0d	0.0000	0.0000	0.00032U	0.00032U	NR
1	Endosulfan I			0d	0d	0.0000	0.0000	0.00044U	0.00044U	NR
1	alpha-Chlordane			0d	0d	0.0000	0.0000	0.0040U	0.0040U	NR
1	Dieldrin			0d	0d	0.0000	0.0000	0.00035U	0.00035U	NR
1	4,4'-DDE			0d	0d	0.0000	0.0000	0.00036U	0.00036U	NR
1	Endrin			0d	0d	0.0000	0.0000	0.00068U	0.00068U	NR
1	Endosulfan II			0d	0d	0.0000	0.0000	0.00040U	0.00040U	NR
1	4,4'-DDD			0d	0d	0.0000	0.0000	0.0015U	0.0015U	NR
1	Endrin Aldehyde			0d	0d	0.0000	0.0000	0.00046U	0.00046U	NR
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000	0.00047U	0.00047U	0.00047U
1	4,4'-DDT			0d	0d	0.0000	0.0000	0.00058U	0.00058U	NR
1	Endrin Ketone			0d	0d	0.0000	0.0000	0.00066U	0.00066U	NR
1	Methoxychlor			0d	0d	0.0000	0.0000	0.00093U	0.00093U	NR
1	2,4'-DDE	13.08	^{0.01} 12.02	1408859	619313	75.44	80.72	0.151	0.161	0.151
1	2,4'-DDD	13.81	12.79	1284089	529408	75.53	75.75	0.151	0.151	0.151
1	2,4'-DDT	14.30	13.21	1482593	591796	83.71	79.71	0.167	0.159	0.159
	Toxaphene			0	0	0.0000	0.0000	0.0510U	0.0510U	NR
2	Toxaphene {1}			0d	0d	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {2}			0d	0d	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {3}			0d	0d	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {4}			0d	0d	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {5}			0d	0d	0.0000	0.0000	0.051U	0.051U	
2	Toxaphene {6}			0d	0d	0.0000	0.0000	0.051U	0.051U	
	Chlordane			0	0	0.0000	0.0000	0.0220U	0.0220U	NR
3	Chlordane {1}			0d	0d	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {2}			0d	0d	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {3}			0d	0d	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {4}			0d	0d	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {5}			0d	0d	0.0000	0.0000	0.022U	0.022U	
3	Chlordane {6}			0d	0d	0.0000	0.0000	0.022U	0.022U	
4	Chlorpyrifos			0d	0d	0.0000	0.0000	0.00083U	0.00083U	0.00083U
4	Oxychlordane			0d	0d	0.0000	0.0000	0.0010U	0.0010U	NR
4	cis-Nonachlor			0d	0d	0.0000	0.0000	0.00060U	0.00060U	NR
4	trans-Nonachlor			0d	0d	0.0000	0.0000	0.00092U	0.00092U	NR
4	Mirex			0d	0d	0.0000	0.0000	0.00081U	0.00081U	NR
4	Hexachloroethane			0d	0d	0.0000	0.0000	0.0012U	0.0012U	0.0012U
4	Hexachlorobutadiene			0d	0d	0.0000	0.0000	0.0019U	0.0019U	0.0019U
4	Alachlor			0d	0d	0.0000	0.0000			

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Signal #1 : J:\GC23\DATA\061114\0611F084.D\ECD1A.CH Vial: 13
 Signal #2 : J:\GC23\DATA\061114\0611F084.D\ECD2B.CH
 Acq On : 11 Jun 2014 10:38 pm Operator: SMURRAY
 Sample : KWG1405470-DLCS4 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:09:30 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

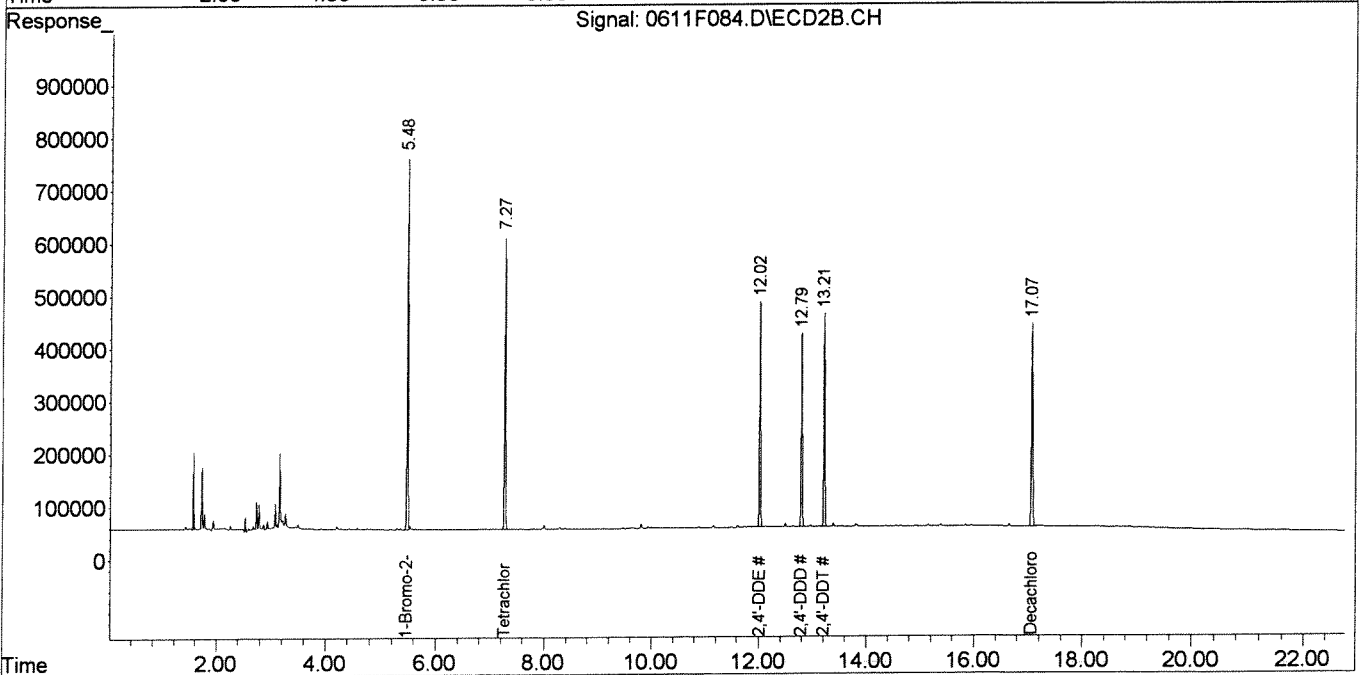
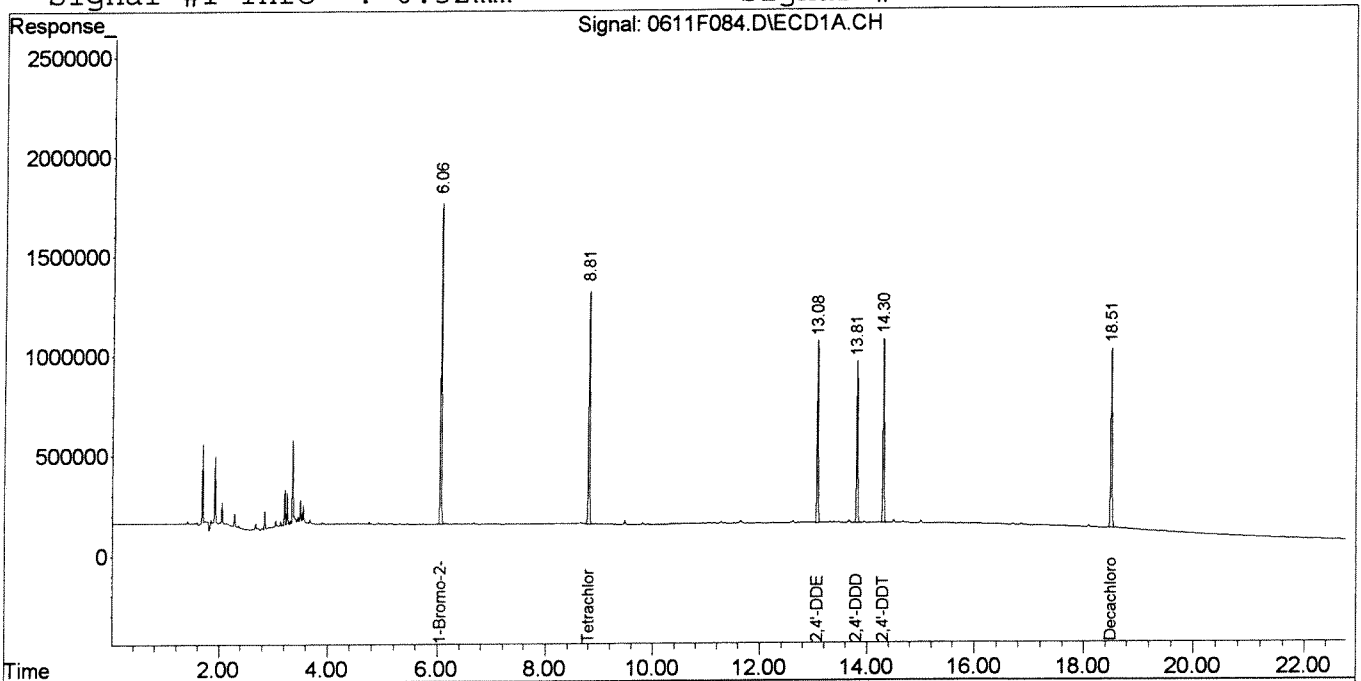
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

Internal Standards						
1) i 1-Bromo-2-nitrob	6.06	5.48	2234875	867889	100.000	100.000
System Monitoring Compounds						
2) s Tetrachloro-m-xy	8.81	7.27	1935109	829318	72.550	72.411
28) s Decachlorobiphen	18.51	17.07	1710115	674410	72.765	69.470
Target Compounds						
25) 2,4'-DDE	13.08	12.02	1408859	619313	75.438	80.724
26) 2,4'-DDD	13.81	12.79	1284089	529408	75.525	75.746
27) 2,4'-DDT	14.30	13.21	1482593	591796	83.710	79.706

Signal #1 : J:\GC23\DATA\061114\0611F084.D\ECD1A.CH Vial: 13
 Signal #2 : J:\GC23\DATA\061114\0611F084.D\ECD2B.CH
 Acq On : 11 Jun 2014 10:38 pm Operator: SMURRAY
 Sample : KWG1405470-DLCS4 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 9:08 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Exception Report


Data File: J:\GC23\DATA\061114\0611F086.D
Lab ID: KWG1405470-2
RunType: DLCS
Matrix: WATER

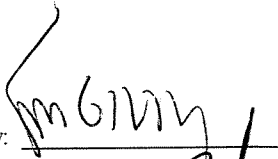
Date Acquired: 06/11/2014 23:37
Date Quantitated: 06/12/2014 09:10
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

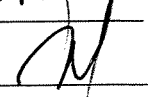
Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Second Source ICAL Verification	Endrin Aldehyde	21.1	NA	20	
Internal Standards	1-Bromo-2-nitrobenzene {4}	0	823706.5	3294826	
Analyte Co-elution	1-Bromo-2-nitrobenzene	6.06	NA	NA	
	1-Bromo-2-nitrobenzene {2}	6.06	NA	NA	
	1-Bromo-2-nitrobenzene {3}	6.06	NA	NA	

Primary Review: 

Secondary Review: 

Exception Report

Data File: J:\GC23\DATA\061114\0611F086.D\0611F086C.D
Lab ID: KWG1405470-2
RunType: DLCS
Matrix: WATER

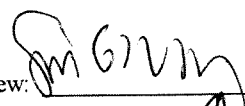
Date Acquired: 06/11/2014 23:37
Date Quantitated: 06/12/2014 09:10
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

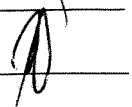
Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Continuing Calibration Minimum RF	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Relative Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {4}	0	5189.083333	24756.33333	NR
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.48	NA	NA	SIA
	1-Bromo-2-nitrobenzene {2}	5.48	NA	NA	
	1-Bromo-2-nitrobenzene {3}	5.48	NA	NA	

Primary Review: 

Secondary Review: 

Quantitation Report

Data File #1:	J:\GC23\DATA\061114\0611F086.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F086.D\0611F086c.d	Vial:	15
Acqu Date:	06/11/2014 23:37	Quant Date:	06/12/2014 09:10
Run Type:	DLCS	Dilution:	1.0
Lab ID:	KWG1405470-2	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:		Tier:		Matrix:	WATER
Prod Code:	8081B Pest OC	Collect Date:		Receive Date:	06/10/2014

Analysis Lot:	KWG1405590	Prep Lot:	KWG1405470	Report Group:	
Analysis Method:	8081B	Prep Method:	EPA 3535A		
Prep Ref:	1347002	Prep Date:	06/09/2014		

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL13214
Title:		Method ID:	MJ1013
MB Ref:	J:\GC23\DATA\061114\0611F087.D	Quant based on Method	

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	6.06 ^{-0.10c}	5.48 ^{-0.07c}	2137086	841897	100.00	100.00
2	1-Bromo-2-nitrobenzene {2}	6.06 ^{+0.14c}	5.48 ^{+0.09c}	2137086	841897	100.00	100.00
3	1-Bromo-2-nitrobenzene {3}	6.06 ^{+0.06c}	5.48 ^{+0.04c}	2137086	841897	100.00	100.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	100.00	100.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2	Rpt
1	Tetrachloro-m-xylene	8.81	7.27	1887576	818252	74.02	73.65	NR
				%Recovery =		74 OK	74 OK	Limits = 20-106
1	Decachlorobiphenyl	18.51 ^{+0.01}	17.07	1729220	703939	77.22	74.75	NR
				%Recovery =		77 OK	75 OK	Limits = 19-127

Target Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	Final Conc. Units:		Rpt		
						ug/L #1	ug/L #2			
1	alpha-BHC			0d	0d	0.0000	0.0000	0.00033U	0.00033U	NR
1	Hexachlorobenzene			0d	0d	0.0000	0.0000	0.00031U	0.00031U	0.00031U
1	beta-BHC			0d	0d	0.0000	0.0000	0.00083U	0.00083U	NR
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000	0.00044U	0.00044U	NR
1	delta-BHC			0d	0d	0.0000	0.0000	0.00057U	0.00057U	NR
1	Heptachlor			0d	0d	0.0000	0.0000	0.00036U	0.00036U	NR
1	Aldrin			0d	0d	0.0000	0.0000	0.00040U	0.00040U	NR
1	Isodrin			0d	0d	0.0000	0.0000	0.00056U	0.00056U	0.00056U
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000	0.00032U	0.00032U	NR

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 ? : Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC23\DATA\061114\0611F086.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F086.D\0611F086c.d	Vial:	15
Acqu Date:	06/11/2014 23:37	Quant Date:	06/12/2014 09:10
Run Type:	DLCS	Dilution:	1.0
Lab ID:	KWG1405470-2	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Target Compounds

					Final Conc. Units: ug/L					
IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/L #1	ug/L #2	Rpt
1	gamma-Chlordane			0d	0d	0.0000	0.0000	0.00032U	0.00032U	NR
1	Endosulfan I			0d	0d	0.0000	0.0000	0.00044U	0.00044U	NR
1	alpha-Chlordane			0d	0d	0.0000	0.0000	0.0040U	0.0040U	NR
1	Dieldrin			0d	0d	0.0000	0.0000	0.00035U	0.00035U	NR
1	4,4'-DDE			0d	0d	0.0000	0.0000	0.00036U	0.00036U	NR
1	Endrin			0d	0d	0.0000	0.0000	0.00068U	0.00068U	NR
1	Endosulfan II			0d	0d	0.0000	0.0000	0.00040U	0.00040U	NR
1	4,4'-DDD			0d	0d	0.0000	0.0000	0.0015U	0.0015U	NR
1	Endrin Aldehyde			0d	0d	0.0000	0.0000	0.00046U	0.00046U	NR
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000	0.00047U	0.00047U	0.00047U
1	4,4'-DDT			0d	0d	0.0000	0.0000	0.00058U	0.00058U	NR
1	Endrin Ketone			0d	0d	0.0000	0.0000	0.00066U	0.00066U	NR
1	Methoxychlor			0d	0d	0.0000	0.0000	0.00093U	0.00093U	NR
1	2,4'-DDE			0d	0d	0.0000	0.0000	0.00050U	0.00050U	NR
1	2,4'-DDD			0d	0d	0.0000	0.0000	0.00057U	0.00057U	NR
1	2,4'-DDT			0d	0d	0.0000	0.0000	0.00059U	0.00059U	NR
	Toxaphene			0	0	593.59	485.07	1.19	0.970	0.970
2	Toxaphene {1}	14.60		66264m	0d	469.30	0.0000	0.939	0.051U	
2	Toxaphene {2}	14.66	13.67	155412	29114m	746.32	450.97	1.49	0.902	
2	Toxaphene {3}		13.94	0d	45933m	0.0000	527.40	0.051U	1.05	
2	Toxaphene {4}	14.85	14.29	169535	52461	546.08	495.76	1.09	0.992	
2	Toxaphene {5}	15.19	14.67	182392	81191	576.06	411.92	1.15	0.824	
2	Toxaphene {6}	16.07	14.88	264024	77452	630.20	539.28	1.26	1.08	
	Chlordane			0	0	461.77	475.90	0.924	0.952	0.924
3	Chlordane {1}	11.10 ^{+0.01}	9.58 ^{+0.01}	393742	139764	450.54	404.10	0.901	0.808	
3	Chlordane {2}	11.53 ^{+0.01}	9.93	700667	262464	482.12	476.41	0.964	0.953	
3	Chlordane {3}	12.11	11.98	393600	590602	437.99	480.73	0.876	0.961	
3	Chlordane {4}	13.31 ^{+0.01}	12.03 ^{+0.01}	1514398	421015	453.04	570.72	0.906	1.14	
3	Chlordane {5}	13.38	12.09	978229	212563	396.07	514.88	0.792	1.03	
3	Chlordane {6}	13.47 ^{+0.01}	12.13	987581	409644	550.86	408.59	1.10	0.817	
4	Chlorpyrifos			0d	0d	0.0000	0.0000	0.00083U	0.00083U	0.00083U
4	Oxychlordane			0d	0d	0.0000	0.0000	0.0010U	0.0010U	NR
4	cis-Nonachlor			0d	0d	0.0000	0.0000	0.00060U	0.00060U	NR
4	trans-Nonachlor			0d	0d	0.0000	0.0000	0.00092U	0.00092U	NR
4	Mirex			0d	0d	0.0000	0.0000	0.00081U	0.00081U	NR
4	Hexachloroethane			0d	0d	0.0000	0.0000	0.0012U	0.0012U	0.0012U
4	Hexachlorobutadiene			0d	0d	0.0000	0.0000	0.0019U	0.0019U	0.0019U
4	Alachlor			0d	0d	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F086.D\ECD1A.CH Vial: 15
 Signal #2 : J:\GC23\DATA\061114\0611F086.D\ECD2B.CH
 Acq On : 11 Jun 2014 11:37 pm Operator: SMURRAY
 Sample : KWG1405470-DLCS6 Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:09:33 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

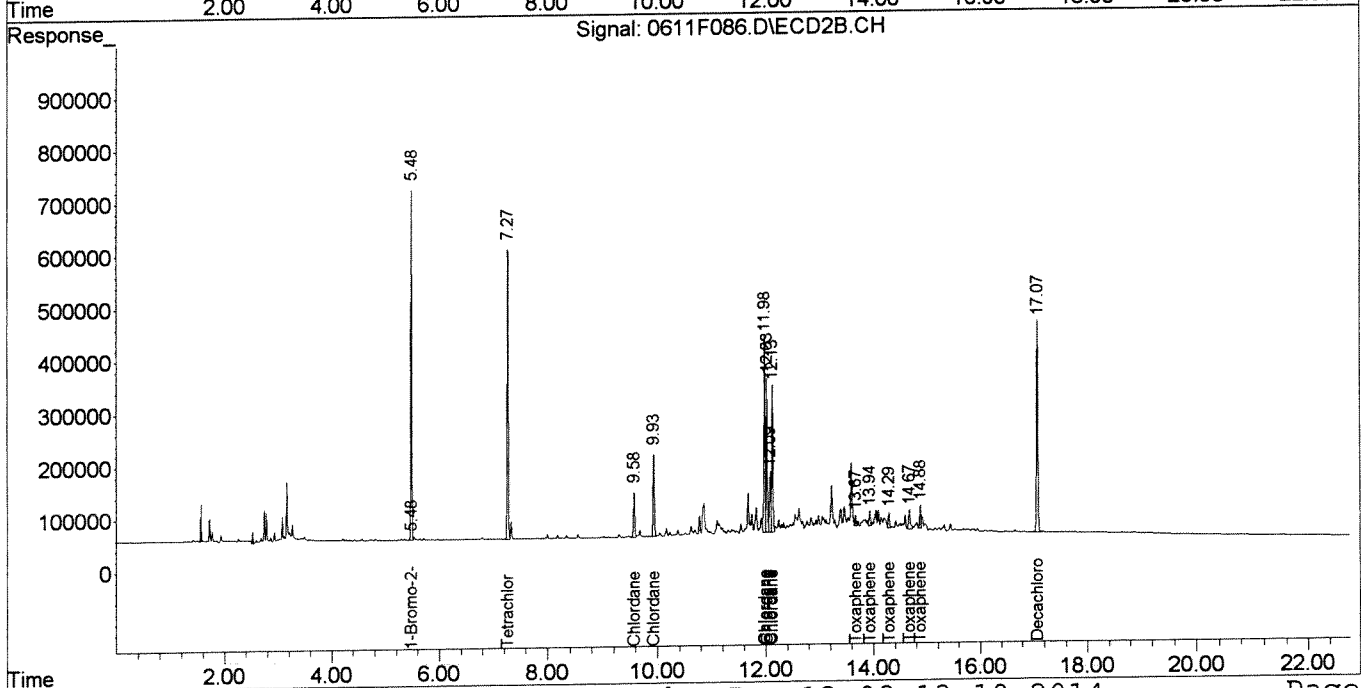
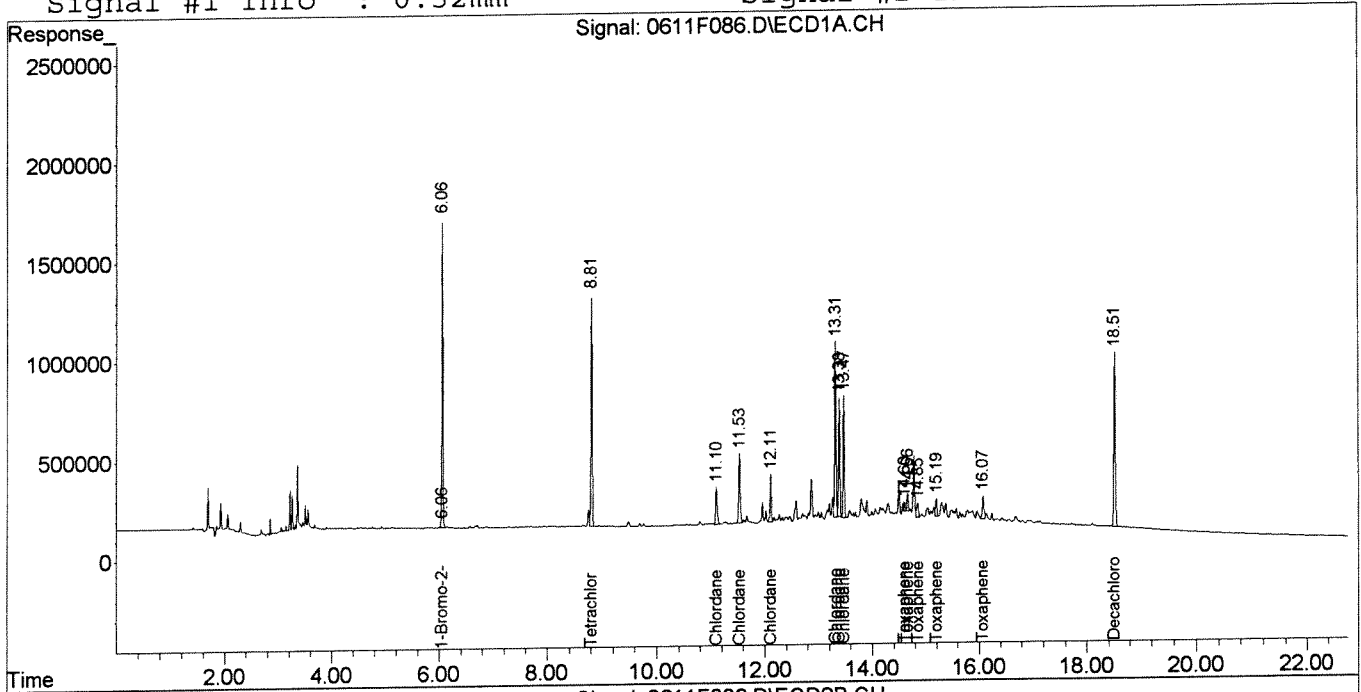
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Internal Standards						
1) i 1-Bromo-2-nitrob	6.06	5.48	2137086	841897	100.000	100.000
29) 1-Bromo-2-nitrob	6.06	5.48	2137086	841897	100.000	100.000
36) 1-Bromo-2-nitrob	6.06	5.48	2137086	841897	100.000	100.000
System Monitoring Compounds						
2) s Tetrachloro-m-xy	8.81	7.27	1887576	818252	74.020	73.651
28) s Decachlorobiphen	18.51	17.07	1729220	703939	77.219	74.750
Target Compounds						
30) Toxaphene	14.60	0.00	66264	0	469.295m	N.D. d#
31) Toxaphene {2}	14.66	13.67	155412	29114	746.317	450.969m#
32) Toxaphene {3}	0.00	13.94	0	45933	N.D. d	527.402m
33) Toxaphene {4}	14.85	14.29	169535	52461	546.084	495.764
34) Toxaphene {5}	15.19	14.67	182392	81191	576.061	411.918 #
35) Toxaphene {6}	16.07	14.88	264024	77452	630.196	539.276
37) Chlordane	11.10	9.58	393742	139764	450.541	404.103
38) Chlordane {2}	11.53	9.93	700667	262464	482.123	476.410
39) Chlordane {3}	12.11	11.98	393600	590602	437.992	480.725
40) Chlordane {4}	13.31	12.03	1514398	421015	453.040	570.715 #
41) Chlordane {5}	13.38	12.09	978229	212563	396.070	514.875 #
42) Chlordane {6}	13.47	12.13	987581	409644	550.855	408.593 #

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F086.D\ECD1A.CH Vial: 15
 Signal #2 : J:\GC23\DATA\061114\0611F086.D\ECD2B.CH
 Acq On : 11 Jun 2014 11:37 pm Operator: SMURRAY
 Sample : KWG1405470-DLCS6 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 9:10 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

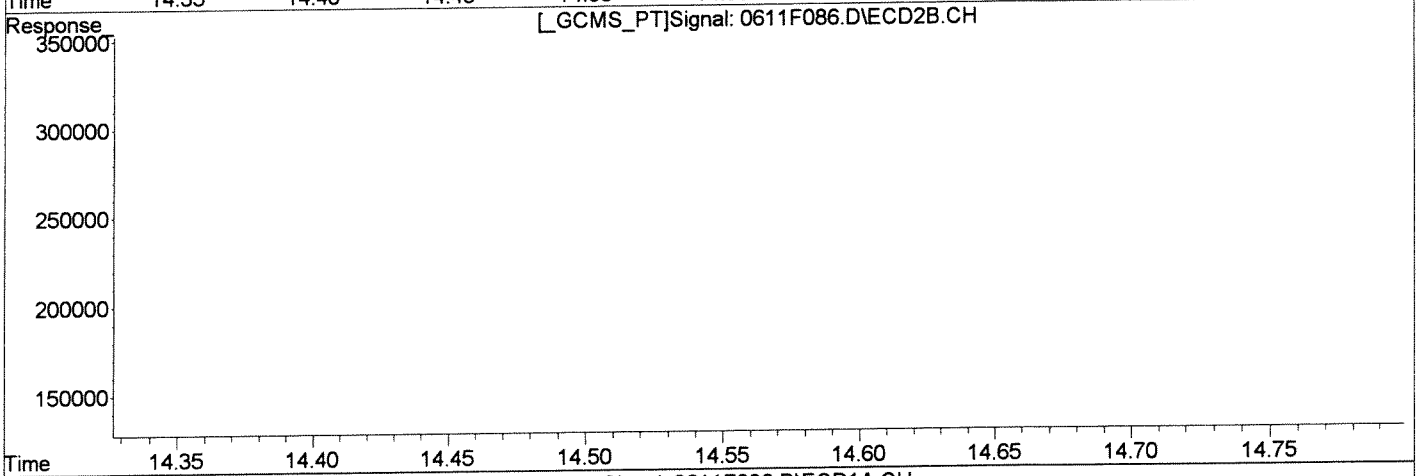
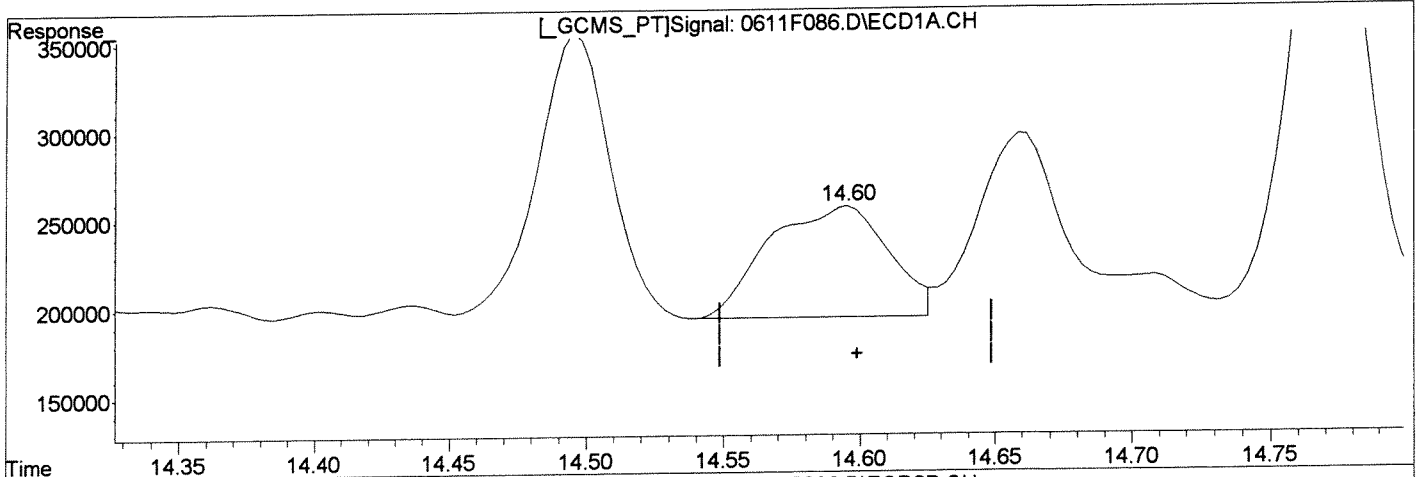
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F086.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\061114\0611F086.D\ECD2B.CH
Acq On : 11 Jun 2014 11:37 pm Operator: SMURRAY
Sample : KWG1405470-DLCS6 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F086.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
(30) Toxaphene	14.60min 1362.048ug/L	response 192320
(30) Toxaphene #2	0.00min 0.000ug/L d	response 0

Manual Integration:
Before
06/12/14

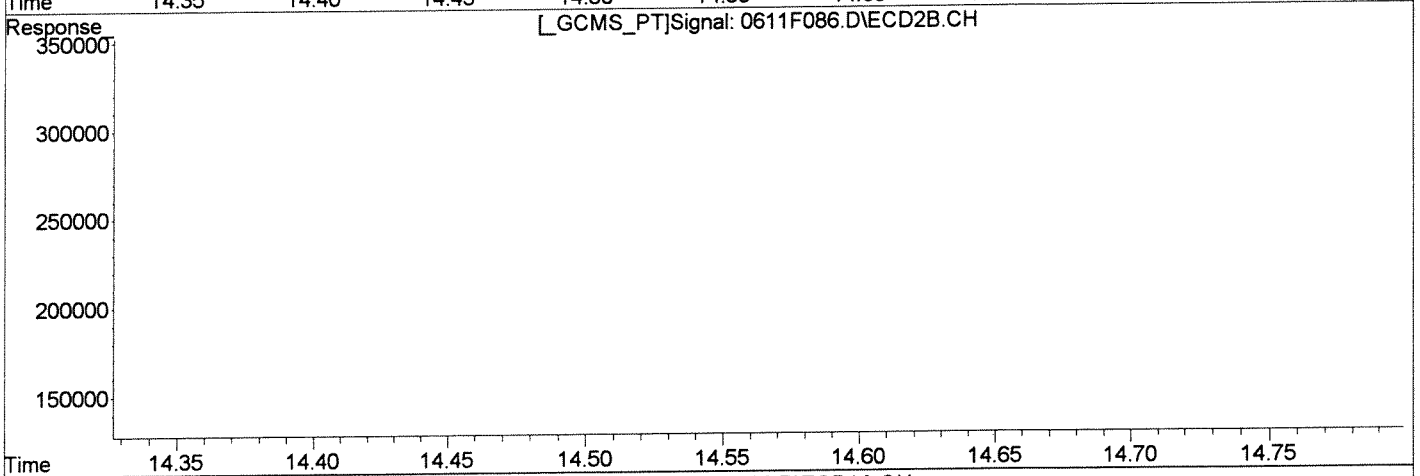
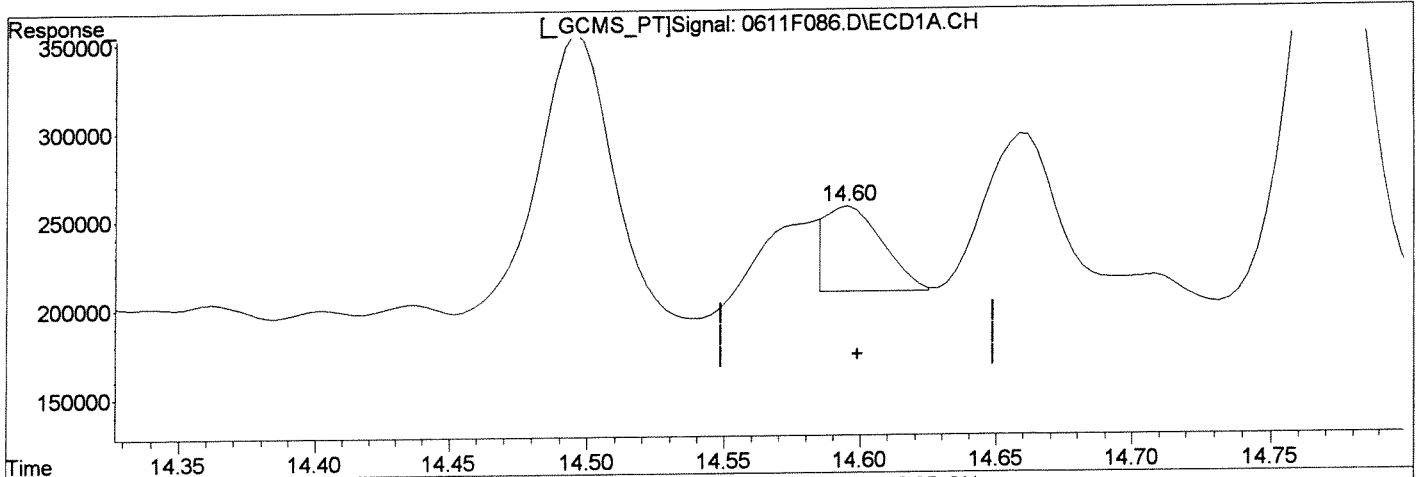
(+) = Expected Retention Time
0611F086.D GC23-031714-8081.M

Thu Jun 12 09:10:33 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F086.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\061114\0611F086.D\ECD2B.CH
Acq On : 11 Jun 2014 11:37 pm Operator: SMURRAY
Sample : KWG1405470-DLCS6 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F086.D\ECD1A.CH

(30) Toxaphene	Manual Integration:
14.60min 469.295ug/L m	After
response 66264	Baseline/Shoulder
	06/12/14
(30) Toxaphene #2	
0.00min 0.000ug/L d	
response 0	

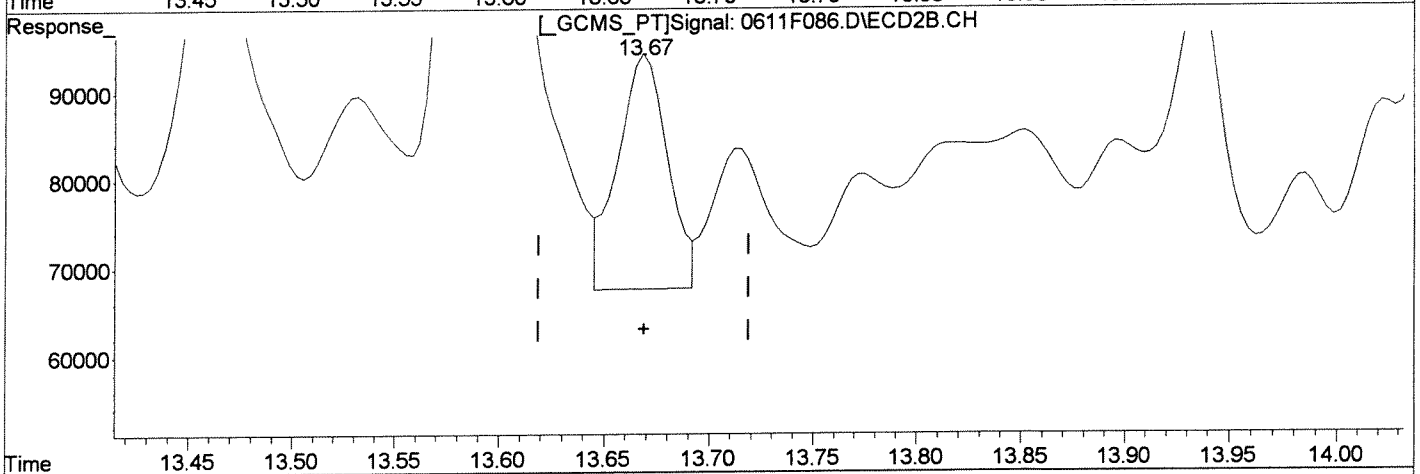
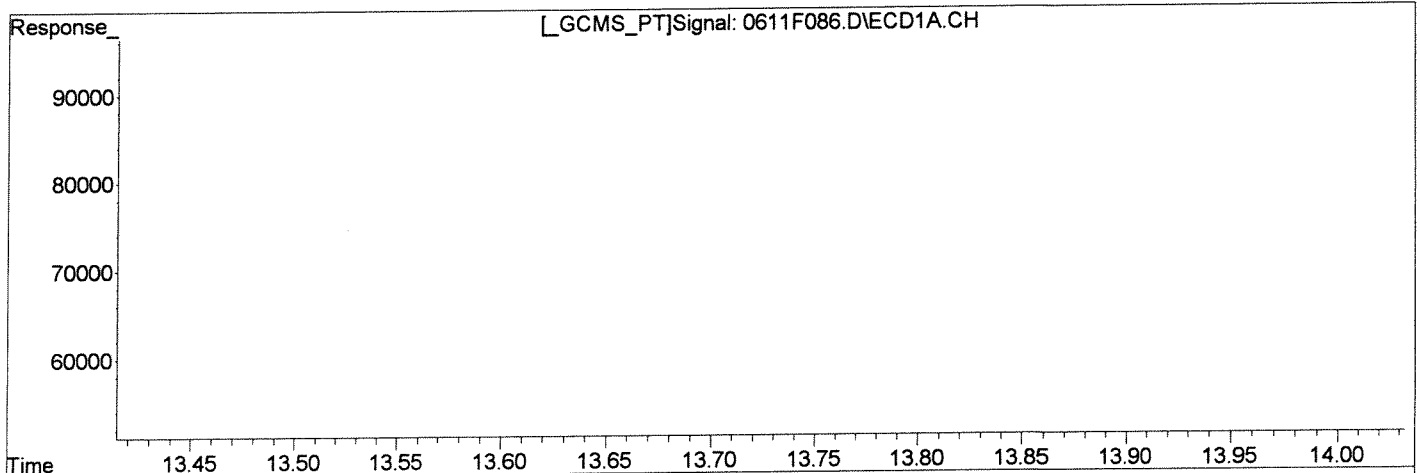
(+) = Expected Retention Time
0611F086.D GC23-031714-8081.M


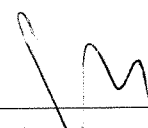
Thu Jun 12 09:10:37 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F086.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\061114\0611F086.D\ECD2B.CH
Acq On : 11 Jun 2014 11:37 pm Operator: SMURRAY
Sample : KWG1405470-DLCS6 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F086.D\ECD1A.CH		Manual Integration:
(31) Toxaphene {2}		Before
14.66min 746.317ug/L		
response 155412		06/12/14
(31) Toxaphene {2} #2		
13.67min 681.395ug/L		
response 43990		

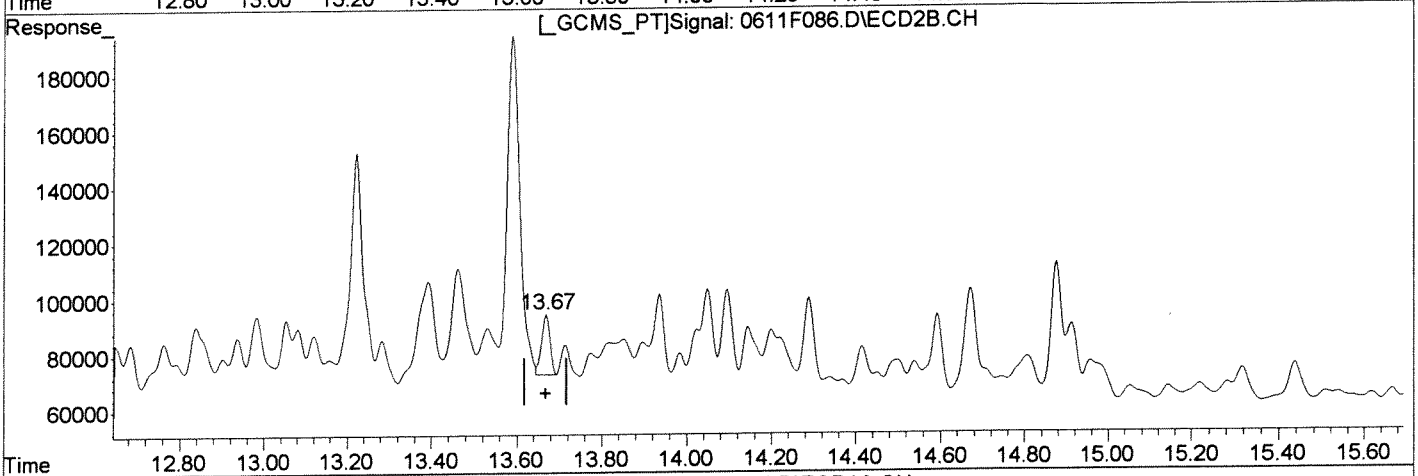
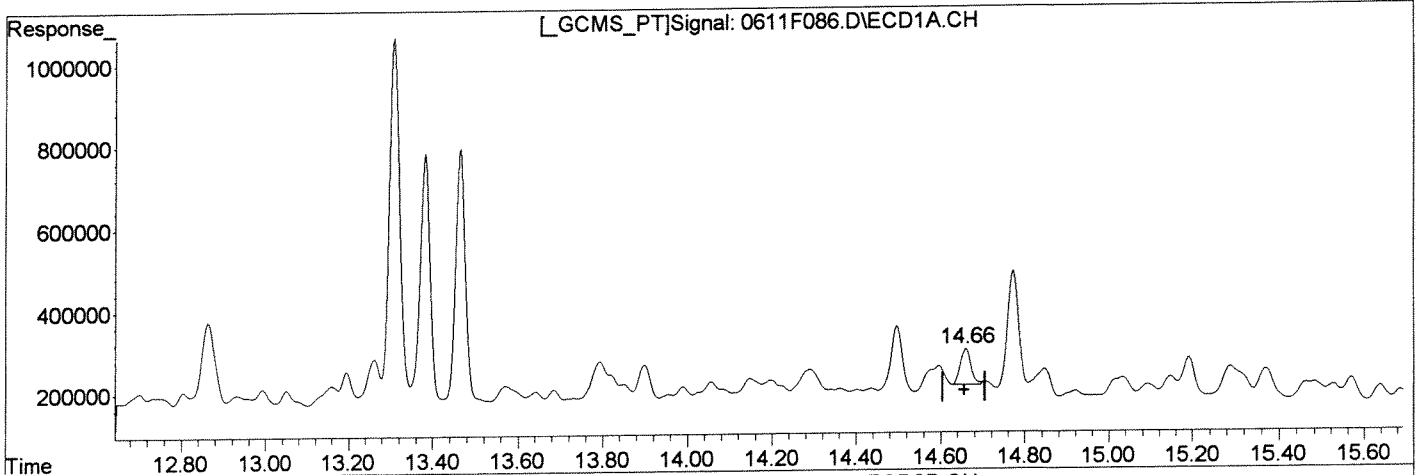
(+) = Expected Retention Time
0611F086.D GC23-031714-8081.M

Thu Jun 12 09:10:40 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F086.D\ECD1A.CH Vial: 15
Signal #2 : J:\GC23\DATA\061114\0611F086.D\ECD2B.CH
Acq On : 11 Jun 2014 11:37 pm Operator: SMURRAY
Sample : KWG1405470-DLCS6 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F086.D\ECD1A.CH

(31) Toxaphene {2}	Manual Integration:
14.66min 746.317ug/L	After
response 155412	Baseline/Shoulder
	06/12/14
(31) Toxaphene {2} #2	
13.67min 450.969ug/L m	
response 29114	

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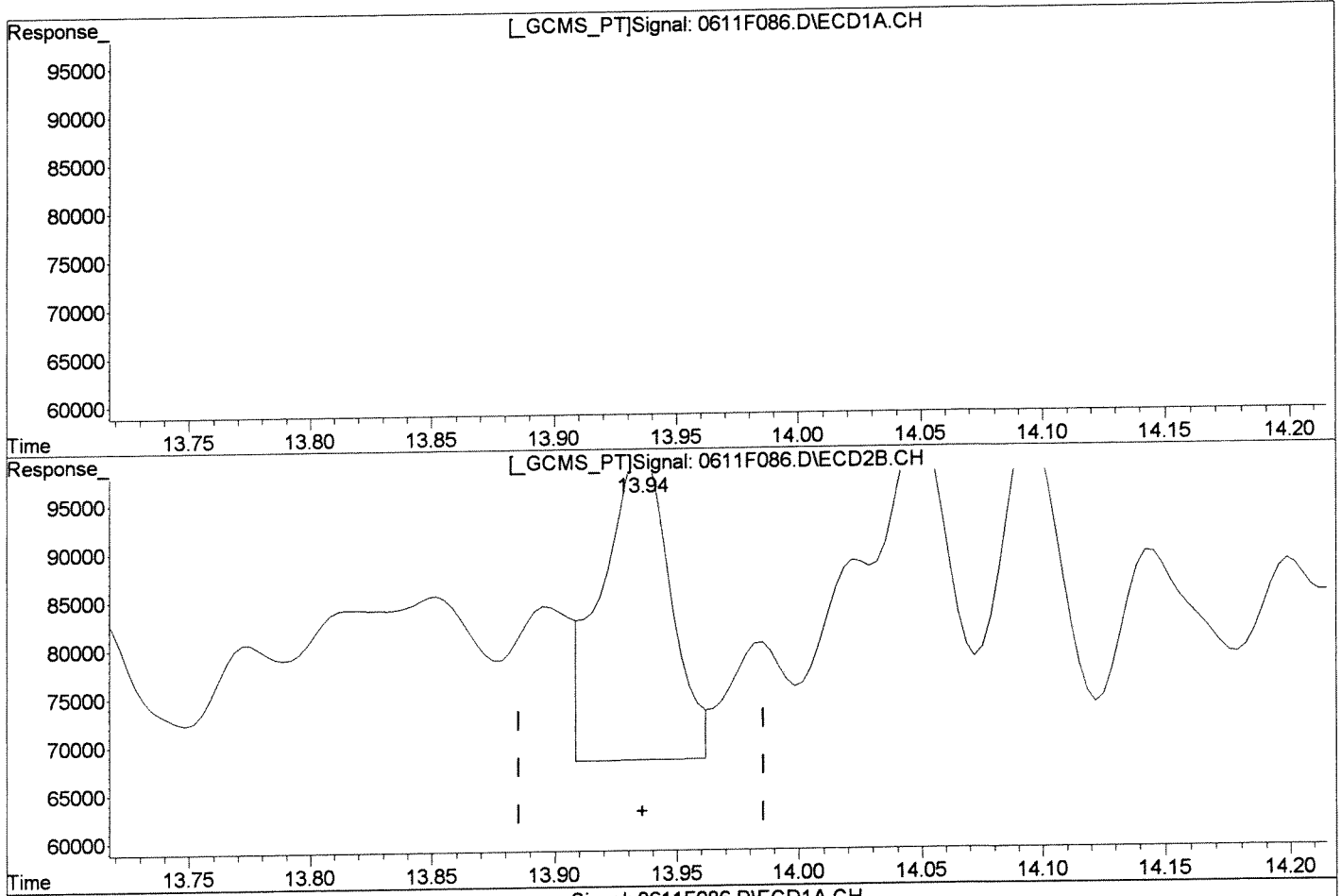
(+) = Expected Retention Time
0611F086.D GC23-031714-8081.M

Thu Jun 12 09:10:50 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F086.D\ECD1A.CH Vial: 15
 Signal #2 : J:\GC23\DATA\061114\0611F086.D\ECD2B.CH
 Acq On : 11 Jun 2014 11:37 pm Operator: SMURRAY
 Sample : KWG1405470-DLCS6 Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F086.D\ECD1A.CH		Manual Integration:
(32) Toxaphene {3}		Before
0.00min 0.000ug/L d		
response 0		06/12/14
(32) Toxaphene {3} #2		
13.94min 708.197ug/L		
response 61679		

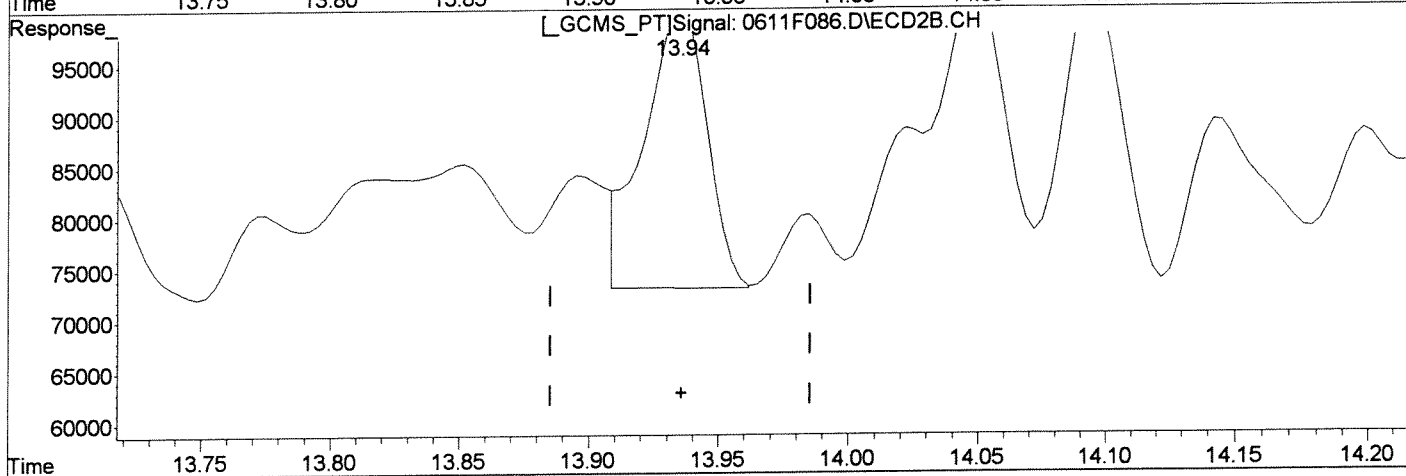
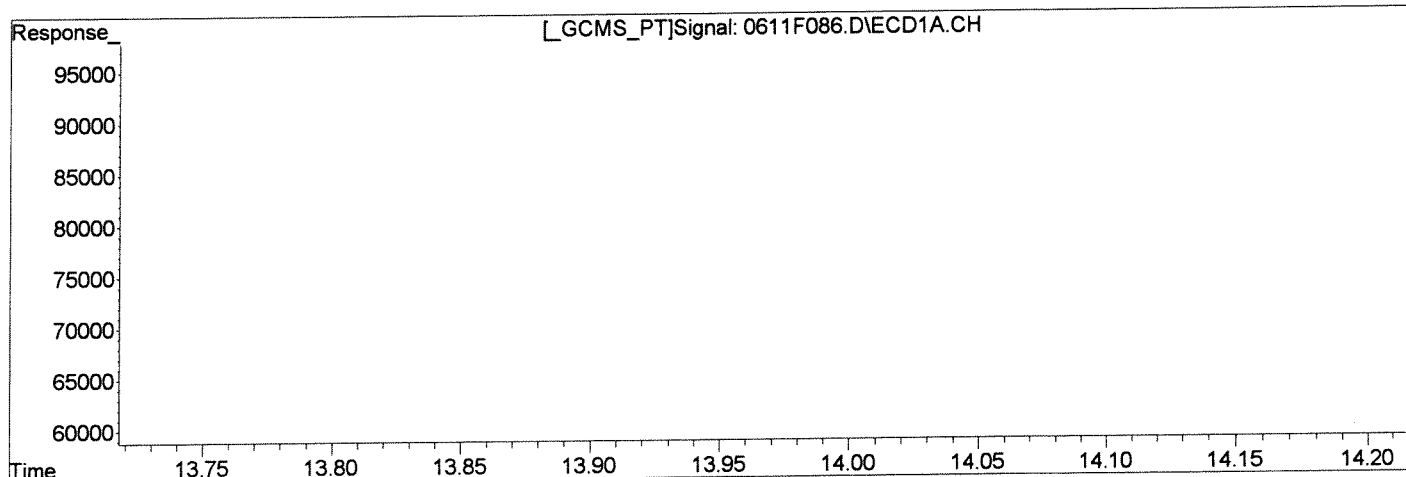
(+) = Expected Retention Time
 0611F086.D GC23-031714-8081.M

Thu Jun 12 09:10:54 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F086.D\ECD1A.CH Vial: 15
 Signal #2 : J:\GC23\DATA\061114\0611F086.D\ECD2B.CH
 Acq On : 11 Jun 2014 11:37 pm Operator: SMURRAY
 Sample : KWG1405470-DLCS6 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:09 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F086.D\ECD1A.CH		Manual Integration:
(32) Toxaphene {3}		After
0.00min 0.000ug/L d		Baseline/Shoulder
response 0		06/12/14
(32) Toxaphene {3} #2		
13.94min 527.402ug/L m		
response 45933		

(+) = Expected Retention Time
 0611F086.D GC23-031714-8081.M

Thu Jun 12 09:10:57 2014

Injection Log

Directory: J:\GC23\DATA\031714\ICAL

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	80	0317F012.D	1.	TOX @ 200ppb GCPS7-77J	SEMIVOA GC\W0617642\3-CCV.H	03/17/22014 6:25
2	81	0317F013.D	1.	TOX @ 250ppb GCPS7-77K	SEMIVOA GC\W0617642\3-CCV.H	03/17/22014 6:54
3	82	0317F014.D	1.	TOX @ 500ppb GCPS7-77L	SEMIVOA GC\W0617642\3-CCV.H	03/17/22014 7:23
4	83	0317F015.D	1.	TOX @ 1000ppb GCPS7-77M	SEMIVOA GC\W0617642\3-CCV.H	03/17/22014 7:51
5	84	0317F016.D	1.	TOX @ 2000ppb GCPS7-77N	SEMIVOA GC\W0617642\3-CCV.H	03/17/22014 8:20
6	85	0317F017.D	1.	TOX @ 5000ppb GCPS7-77O	SEMIVOA GC\W0617642\3-CCV.H	03/17/22014 8:49
7	86	0317F018.D	1.	TOX @ 1000ppb GCPS7-79L	SEMIVOA GC\W0617642\3-CCV.H	03/17/22014 9:18
8	88	0317F020.D	1.	CHLOR @ ²⁵ 50ppb GCPS7-78B	SEMIVOA GC\W0617642\3-CCV.H	03/17/22014 10:11
9	89	0317F021.D	1.	CHLOR @ ⁵⁰ 100ppb GCPS7-78C	SEMIVOA GC\W0617642\3-CCV.H	03/17/22014 10:41
10	91	0317F023.D	1.	CHLOR @ ⁵⁰⁰ 1000ppb GCPS7-78D	SEMIVOA GC\W0617642\3-CCV.H	03/17/22014 11:41
11	92	0317F024.D	1.	CHLOR @ ¹⁰⁰⁰ 2000ppb GCPS7-79G	SEMIVOA GC\W0617642\3-CCV.H	03/18/22014 12:11
12	93	0317F025.D	1.	CHLOR @ 800ppb GCPS7-80A -NR	SEMIVOA GC\W0617642\3-CCV.H	03/18/22014 12:41
13	94	0317F026.D	1.	MISC @ 2ppb GCPS7-80C	SEMIVOA GC\W0617642\3-CCV.H	03/18/22014 1:08
14	95	0317F027.D	1.	MISC @ 5ppb GCPS7-80D	SEMIVOA GC\W0617642\3-CCV.H	03/18/22014 1:37
15	96	0317F028.D	1.	MISC @ 20ppb GCPS7-80E	SEMIVOA GC\W0617642\3-CCV.H	03/18/22014 2:06
16	97	0317F029.D	1.	MISC @ 50ppb GCPS7-80F	SEMIVOA GC\W0617642\3-CCV.H	03/18/22014 2:35
17	98	0317F030.D	1.	MISC @ 75ppb GCPS7-80G	SEMIVOA GC\W0617642\3-CCV.H	03/18/22014 3:04
18	99	0317F031.D	1.	MISC @ 100ppb GCPS7-80H	SEMIVOA GC\W0617642\3-CCV.H	03/18/22014 3:32
19	100	0317F032.D	1.	MISC @ 40ppb GCPS7-80I @25X	SEMIVOA GC\W0617642\3-CCV.H	03/18/22014 4:01
20	1	0317FX01.D	1.	PRIMER	SEMIVOA GC\W0617642\3-CCV.H	03/17/22014 12:41
21	1	0317FX02.D	1.	PRIMER	SEMIVOA GC\W0617642\3-CCV.H	03/17/22014 1:09
22	100	0317FX50.D	1.	CHLOR @800PPB GCPS7-80A ICV REINJ -NR	SEMIVOA GC\W0617642\3-CCV.H	03/18/22014 4:58
23	98	0319FX05.D	1.	CHLOR @100PPB GCPS7-78C ok	SEMIVOA GC\W0617642\3-CCV.H	03/19/22014 4:15
24	99	0319FX06.D	1.	CHLOR @2000PPB GCPS7-79G ok	SEMIVOA GC\W0617642\3-CCV.H	03/19/22014 4:44
25	100	0319FX07.D	1.	CHLOR @1000PPB GCPS7-47D@1KX ok	SEMIVOA GC\W0617642\3-CCV.H	03/19/22014 5:14

SOM

CAL: 13214

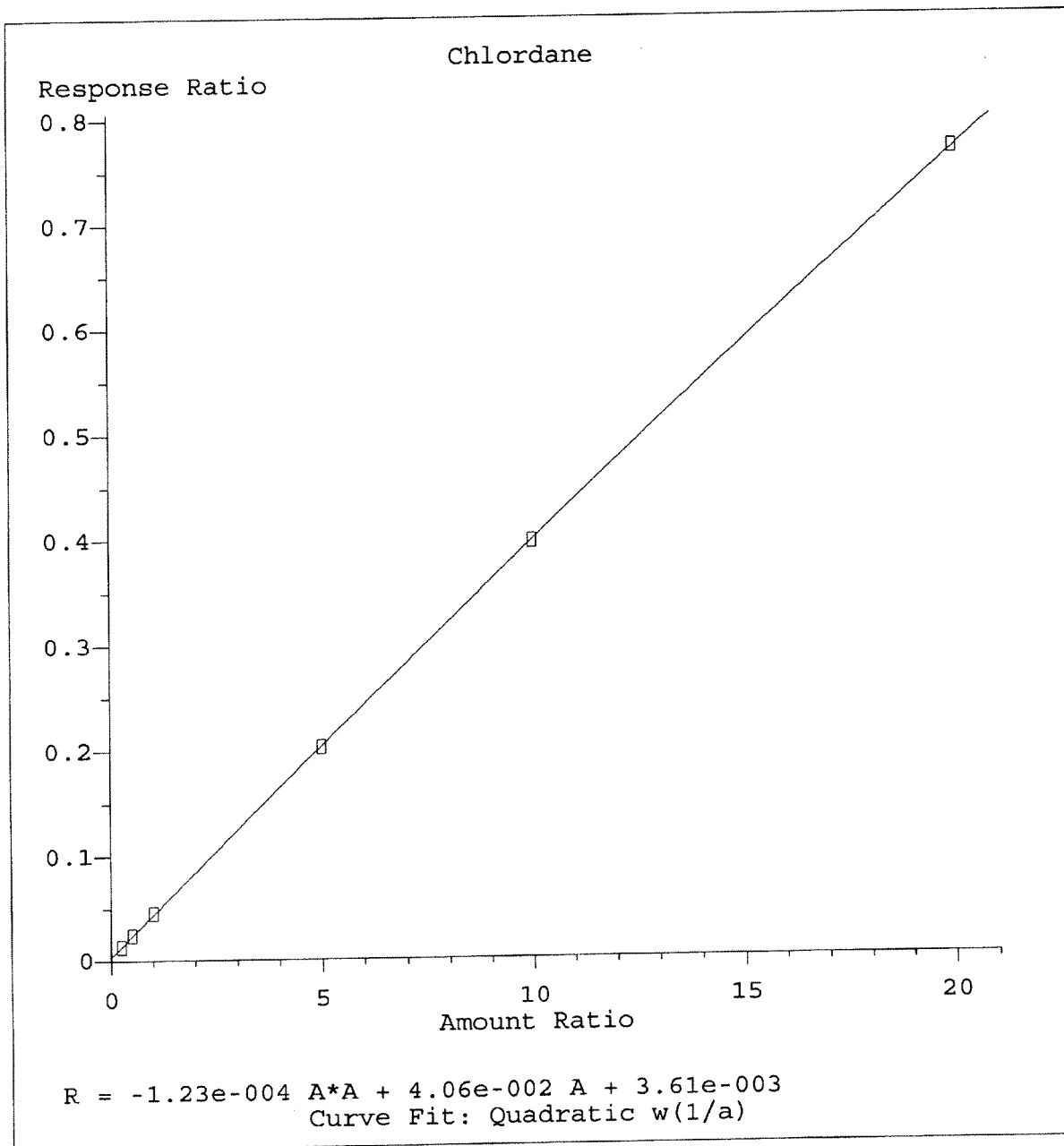
Injection Log

Directory: J:\GC23\DATA\031814C

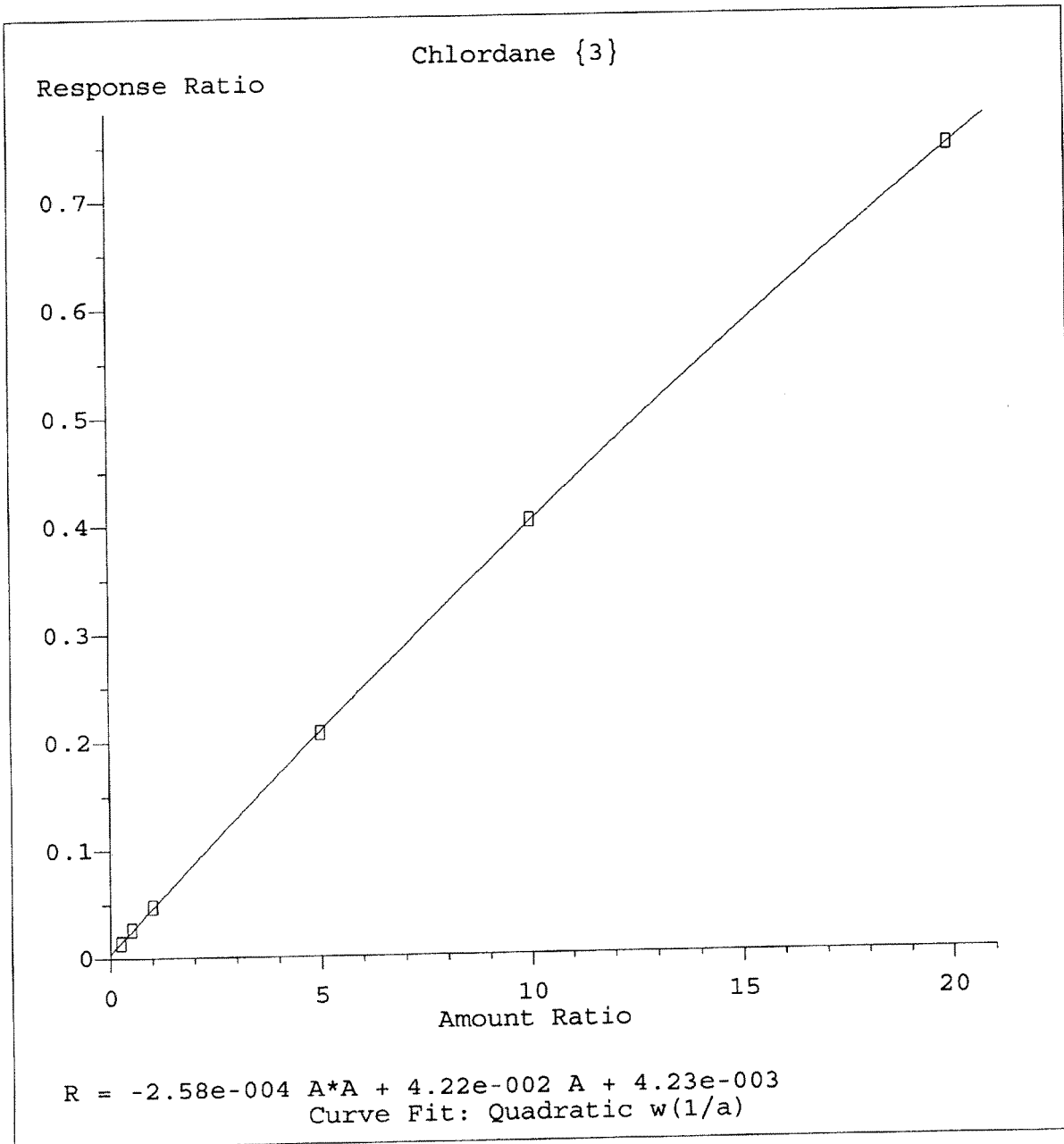
Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0318F002.D	1.	PEM MAINT PRIMER2	SEMIVOA GC\W0617642\3-CCV.H	03/18/22014 10:4:
2	6	0318F003.D	1.	IB	SEMIVOA GC\W0617642\3-CCV.H	03/18/22014 11:1:
3	1	0318F004.D	1.	PEM @50-100PPB GCPS7-48D	SEMIVOA GC\W0617642\3-CCV.H	03/18/22014 11:4:
4	93	0318F005.D	1.	81/24 @ 2ppb GCPS7-77E	SEMIVOA GC\W0617642\3-CCV.H	03/19/22014 12:1:
5	94	0318F006.D	1.	81/24 @ 5ppb GCPS7-77F	SEMIVOA GC\W0617642\3-CCV.H	03/19/22014 12:4:
6	95	0318F007.D	1.	81/24 @ 20ppb GCPS7-77G	SEMIVOA GC\W0617642\3-CCV.H	03/19/22014 1:12
7	96	0318F008.D	1.	81/24 @ 50ppb GCPS7-80J	SEMIVOA GC\W0617642\3-CCV.H	03/19/22014 1:41
8	97	0318F009.D	1.	81/24 @ 100ppb GCPS7-77H	SEMIVOA GC\W0617642\3-CCV.H	03/19/22014 2:11
9	98	0318F010.D	1.	81/24 @ 200ppb GCPS7-77I	SEMIVOA GC\W0617642\3-CCV.H	03/19/22014 2:40
10	99	0318F011.D	1.	8081 @ 40ppb GCPS7-79I	SEMIVOA GC\W0617642\3-CCV.H	03/19/22014 3:10
11	100	0318F012.D	1.	2,4'S @ 40ppb GCPS7-79K	SEMIVOA GC\W0617642\3-CCV.H	03/19/22014 3:39
12	1	0318FX01.D	1.	PEM MAINT PRIMER1	SEMIVOA GC\W0617642\3-CCV.H	03/18/22014 10:1:

CNL:

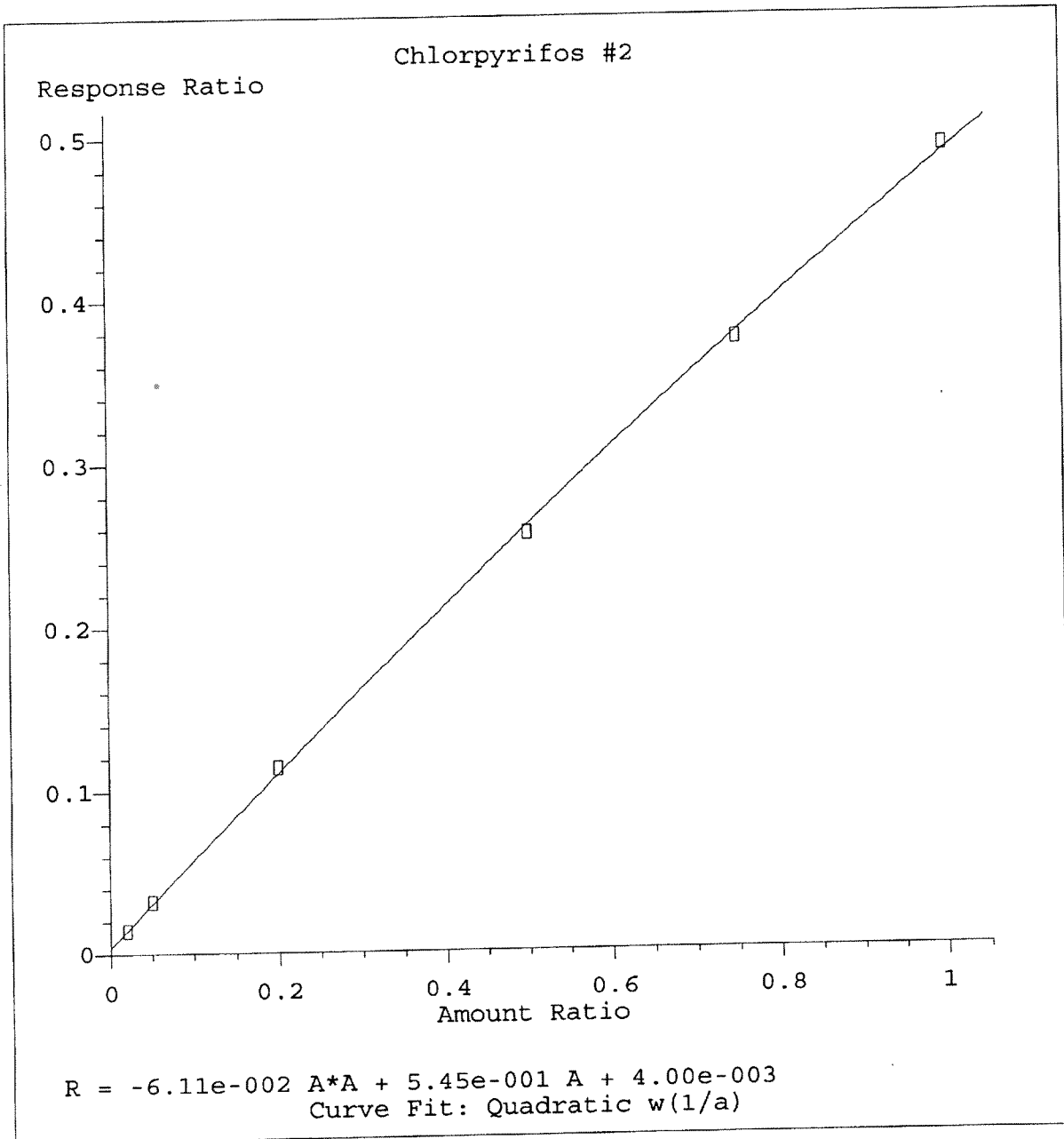
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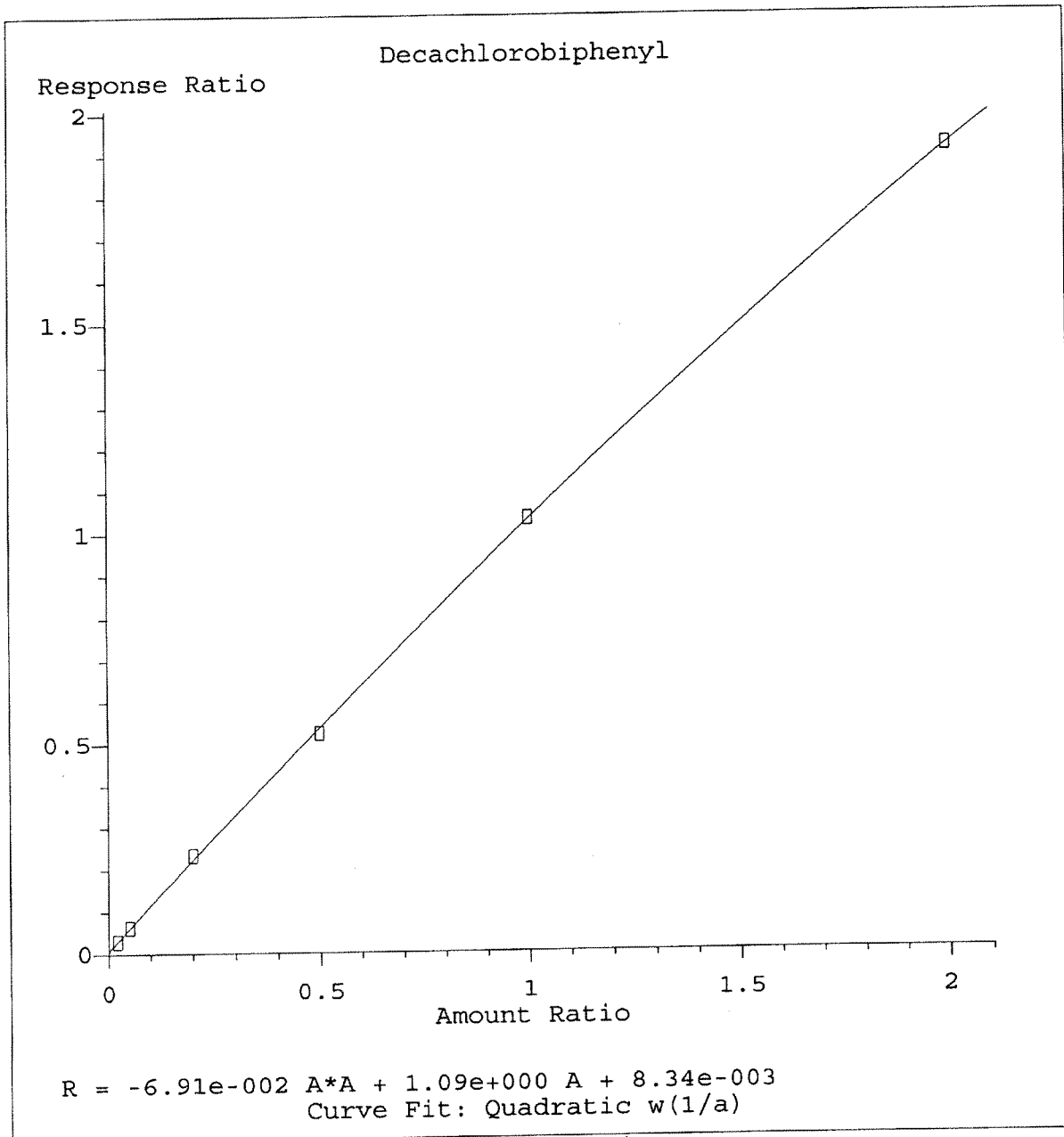
Method Name: J:\GC23\METHODS\GC23-031714-8081.M
Calibration Table Last Updated: Wed Mar 19 17:24:04 2014



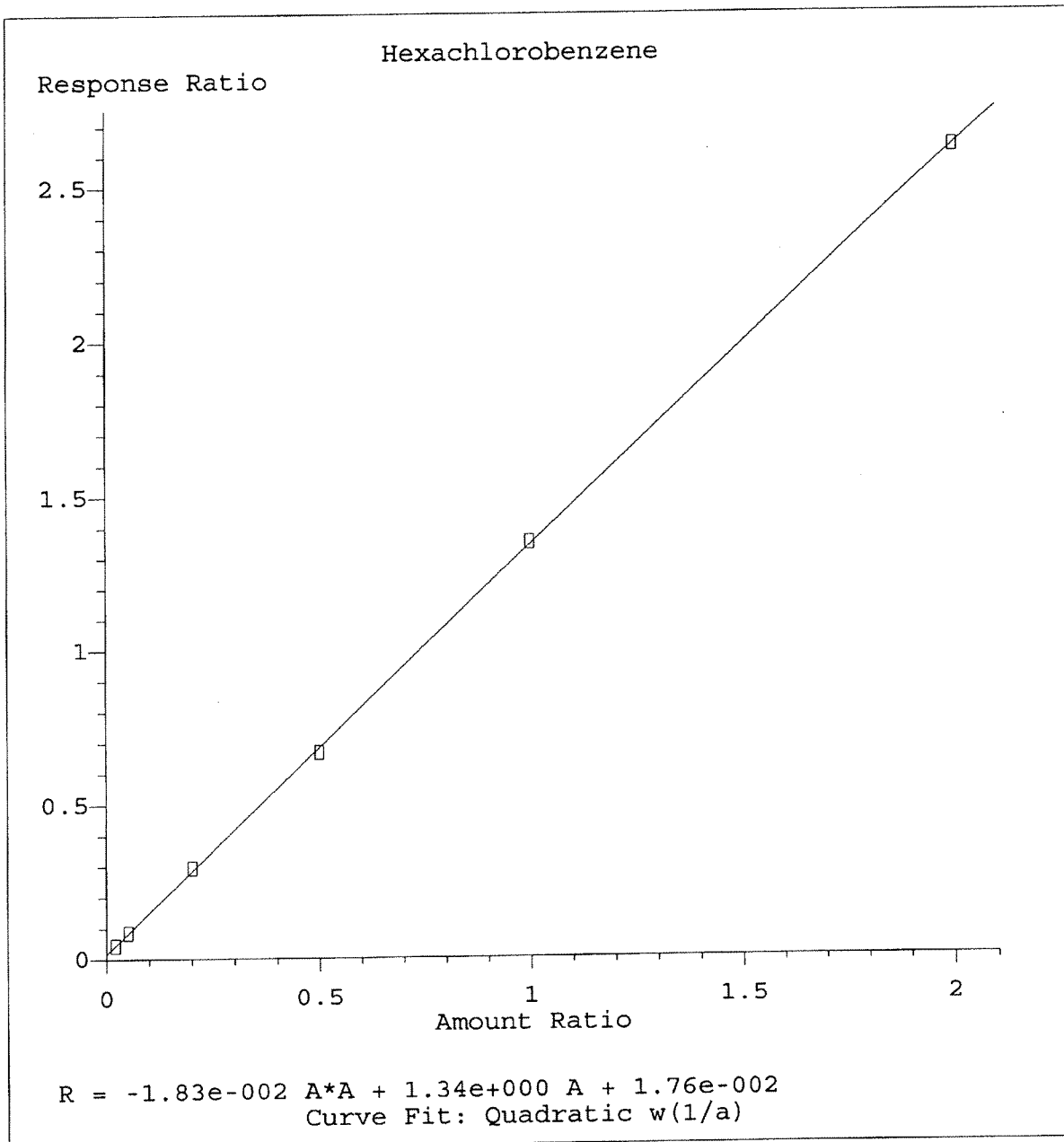
Method Name: J:\GC23\METHODS\GC23-031714-8081.M
Calibration Table Last Updated: Wed Mar 19 17:21:05 2014



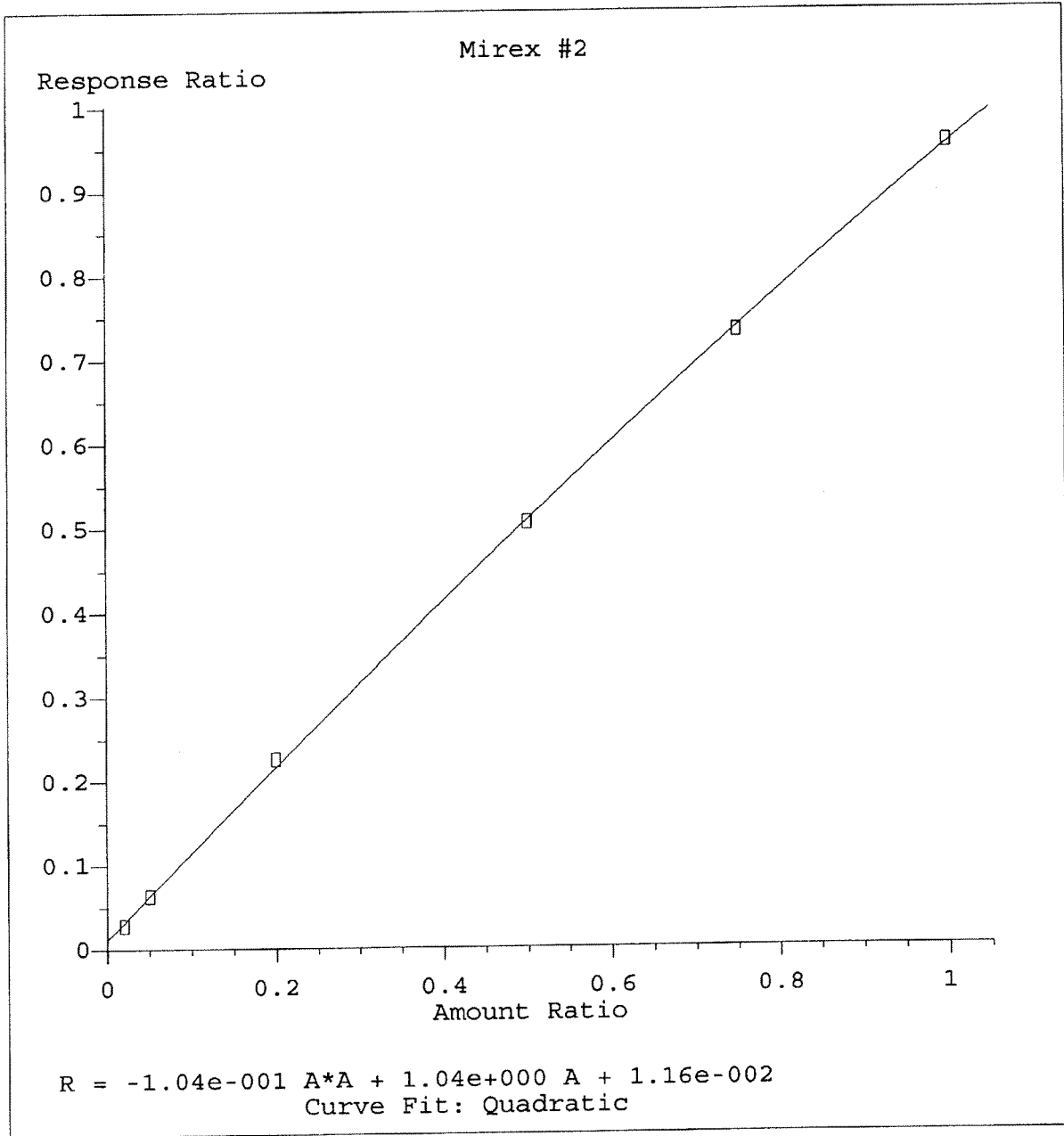
Method Name: J:\GC23\METHODS\GC23-031714-8081.M
Calibration Table Last Updated: Tue Mar 18 17:15:17 2014



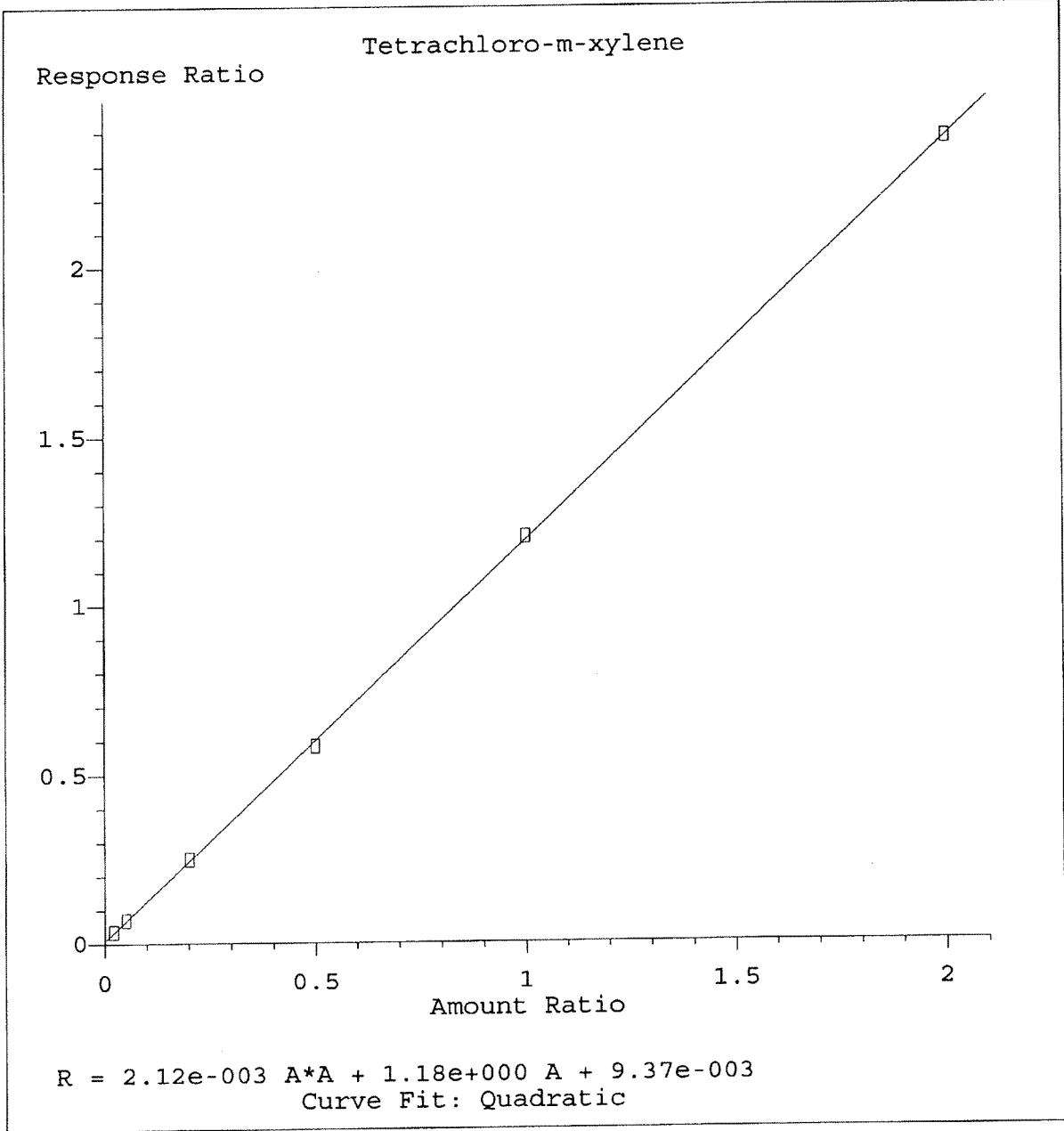
Method Name: J:\GC23\METHODS\GC23-031714-8081.M
Calibration Table Last Updated: Wed Mar 19 12:27:55 2014



Method Name: J:\GC23\METHODS\GC23-031714-8081.M
Calibration Table Last Updated: Wed Mar 19 12:27:55 2014



Method Name: J:\GC23\METHODS\GC23-031714-8081.M
Calibration Table Last Updated: Tue Mar 18 17:15:17 2014



Method Name: J:\GC23\METHODS\GC23-031714-8081.M
Calibration Table Last Updated: Wed Mar 19 12:27:55 2014

Quantitation Report

Data File #1:	J:\GC23\DATA\031814C\0318F004.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\031814C\0318F004.D\0318F004c.d	Vial:	1
Acqu Date:	03/18/2014 23:44	Quant Date:	03/19/2014 10:47
Run Type:	PEM	Dilution:	1.0
Lab ID:		Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:	Tier:	Matrix:
Prod Code:	Collect Date:	Receive Date:

Analysis Lot:	Prep Lot:	Report Group:
Analysis Method: 8081B	Prep Method:	
Prep Ref:	Prep Date:	

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL12895
Title:	Organochlorine Pesticides	Report List ID:	LJ10168
MB Ref:		Method ID:	MJ1006
		Quant based on Report List	

BreakDown Results

Parameter Name	Resp #1	Respe #2	Percent Breakdown #1	Percent Breakdown #1
1-Bromo-2-nitrobenzene	1818956	699921		
4,4'-DDE	5978	2005		
Endrin	860382	359678	6.8	6.7
4,4'-DDD	55049	19679		
Endrin Aldehyde	17491	7350		
4,4'-DDT	1489919	589900	3.9	3.5
Endrin Ketone	44872	18535		

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Quantitation Report

Data File #1:	J:\GC23\DATA\031714\ICAL\0317F002.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\031714\ICAL\0317F002.D\0317F002c.d	Vial:	70
Acqu Date:	03/17/2014 14:06	Quant Date:	03/18/2014 15:19
Run Type:	PEM	Dilution:	1.0
Lab ID:		Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:	Tier:	Matrix:
Prod Code:	Collect Date:	Receive Date:

Analysis Lot:	Prep Lot:	Report Group:
Analysis Method: 8081B	Prep Method:	
Prep Ref:	Prep Date:	

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL12895
Title:	Organochlorine Pesticides	Report List ID:	LJ10168
MB Ref:		Method ID:	MJ1006
		Quant based on Report List	

BreakDown Results

Parameter Name	Resp #1	Respe #2	Percent Breakdown #1	Percent Breakdown #1
1-Bromo-2-nitrobenzene	1752939	635073		
4,4'-DDE	7373	4242		
Endrin	762378	303305	9.7	10.6
4,4'-DDD	50855	21170		
Endrin Aldehyde	29813	12546		
4,4'-DDT	1346104	509873	4.1	4.7
Endrin Ketone	52164	23310		

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F004.D\ECD1A.CH Vial: 1
 Signal #2 : J:\GC23\DATA\031814C\0318F004.D\ECD2B.CH
 Acq On : 18 Mar 2014 11:44 pm Operator: SMURRAY
 Sample : PEM @50-100PPB GCPS7-48D Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 10:47:37 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 18:14:57 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

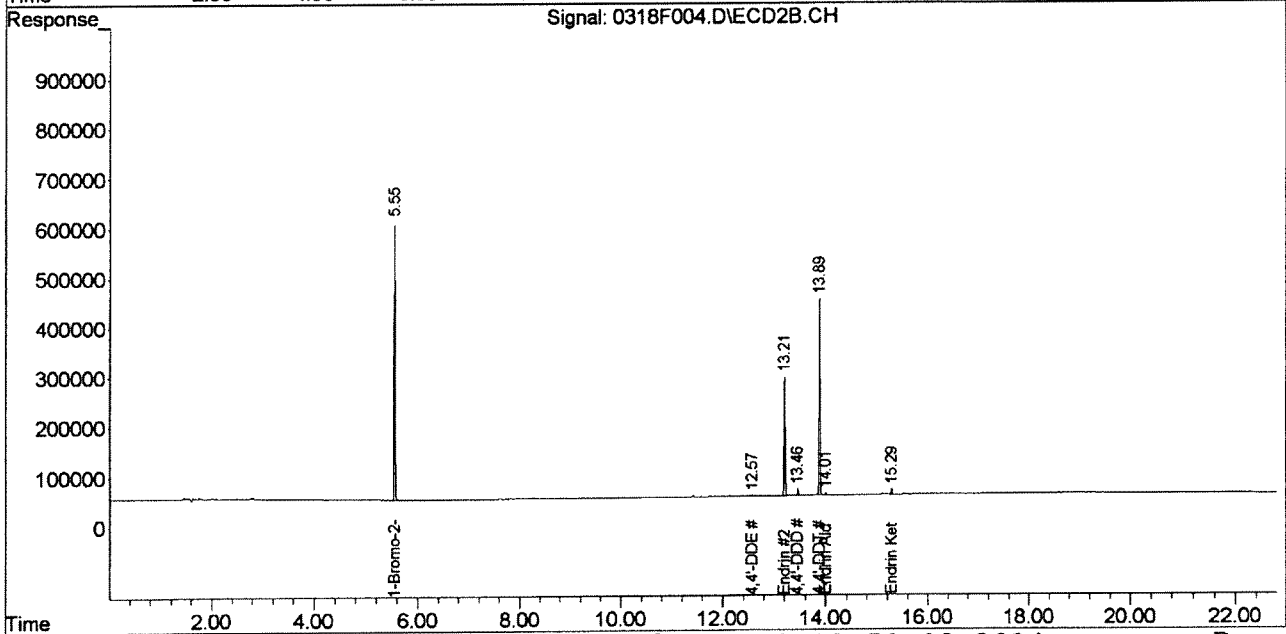
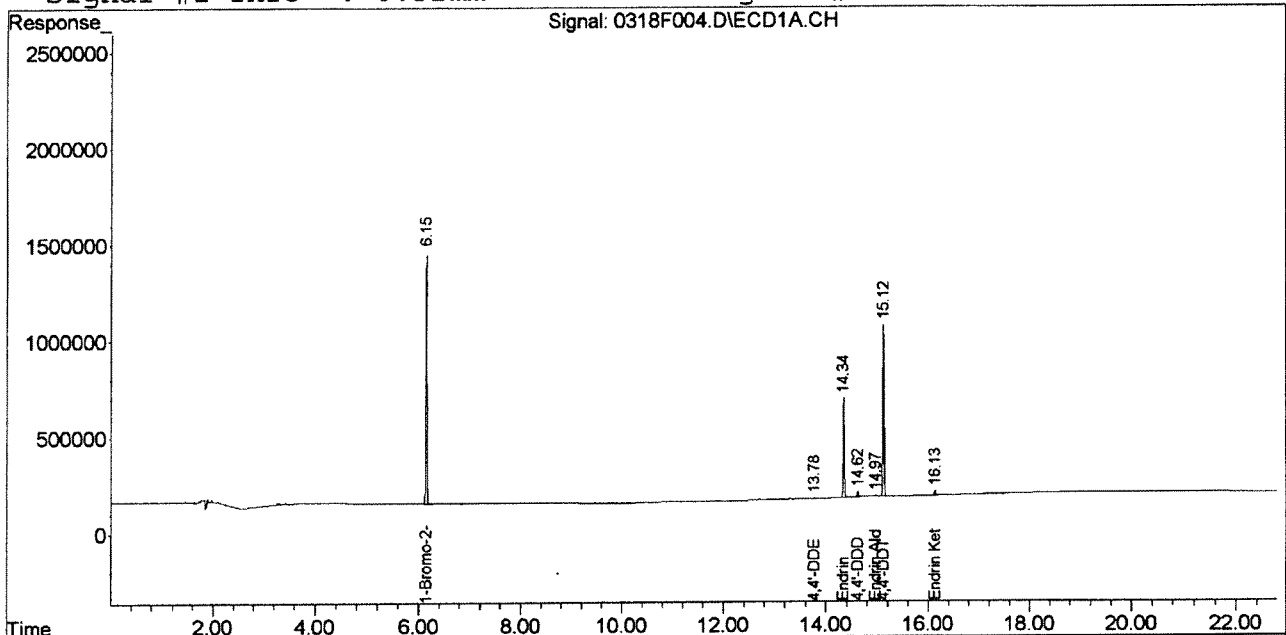
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Internal Standards						
1) i 1-Bromo-2-nitrob	6.15	5.55	1818956	699921	100.000	100.000
System Monitoring Compounds						
Target Compounds						
16) 4,4'-DDE	13.78	12.57	5978	2005	0.264	0.203
17) Endrin	14.34	13.21	860382	359678	46.675	46.474
19) 4,4'-DDD	14.62	13.46	55049	19679	3.037	2.593
20) Endrin Aldehyde	14.97	14.01	17491	7350	1.316	1.210
22) 4,4'-DDT	15.12	13.89	1489919	589900	99.335	88.777
23) Endrin Ketone	16.13	15.29	44872	18535	2.180	2.022

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F004.D\ECD1A.CH Vial: 1
 Signal #2 : J:\GC23\DATA\031814C\0318F004.D\ECD2B.CH
 Acq On : 18 Mar 2014 11:44 pm Operator: SMURRAY
 Sample : PEM @50-100PPB GCPS7-48D Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 10:47 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 18:14:57 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F003.D\ECD1A.CH Vial: 6
 Signal #2 : J:\GC23\DATA\031814C\0318F003.D\ECD2B.CH
 Acq On : 18 Mar 2014 11:15 pm Operator: SMURRAY
 Sample : IB Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:55:19 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:49:39 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

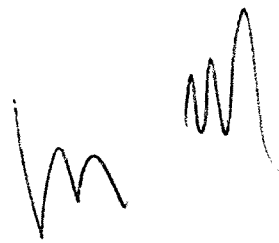
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

Internal Standards						
1) i 1-Bromo-2-nitrob	6.15	5.55	1781978	685710	100.000	100.000
29) 1-Bromo-2-nitrob	6.15	5.55	1781978	685710	100.000	100.000
36) 1-Bromo-2-nitrob	6.15	5.55	1781978	685710	100.000	100.000

System Monitoring Compounds

Target Compounds						
8) Heptachlor	0.00	10.03	0	891	N.D.	0.095 #
14) alpha-Chlordane	0.00	12.21	0	1129	N.D.	0.120 #
15) Dieldrin	0.00	12.74	0	1376	N.D.	0.146 #
17) Endrin	0.00	13.20	0	734	N.D.	0.091 #
19) 4,4'-DDD	0.00	13.42f	0	931	N.D.	0.128 #
22) 4,4'-DDT	0.00	13.91	0	2046	N.D. d	0.296
26) 2,4'-DDD	0.00	12.86	0	1350	N.D.	0.244 #
38) Chlordane {2}	0.00	10.03	0	891	N.D.	3.823 #
41) Chlordane {5}	0.00	12.21f	0	1129	N.D.	6.303 #
42) Chlordane {6}	0.00	12.21	0	1129	N.D.	2.579 #

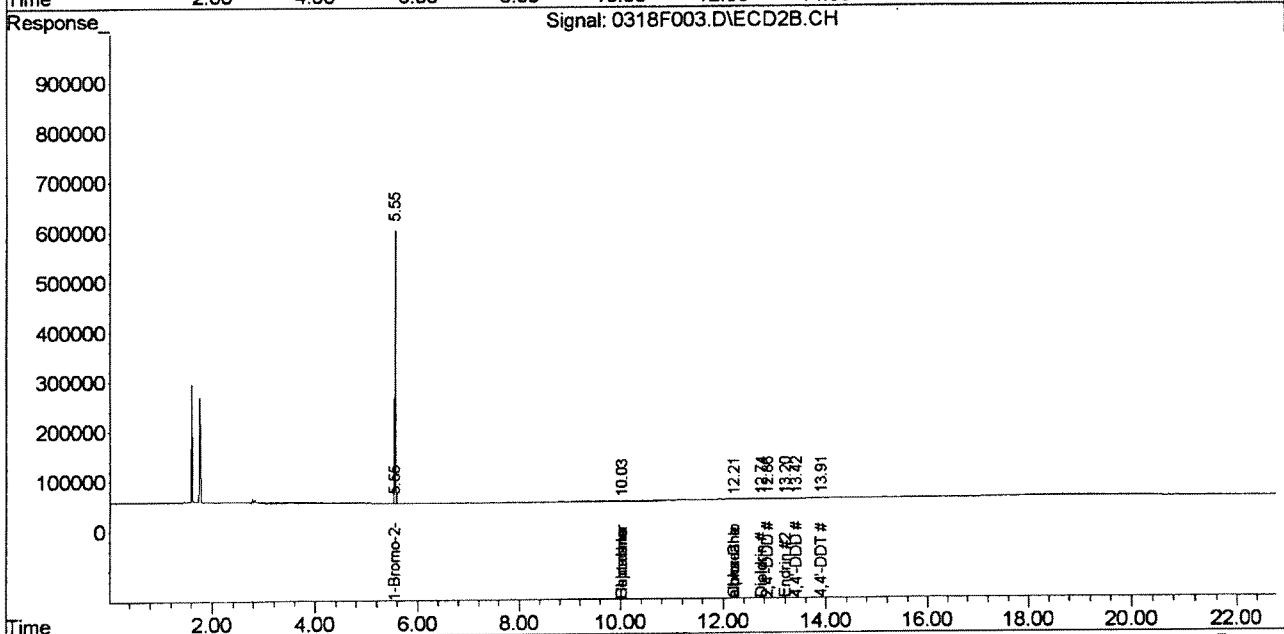
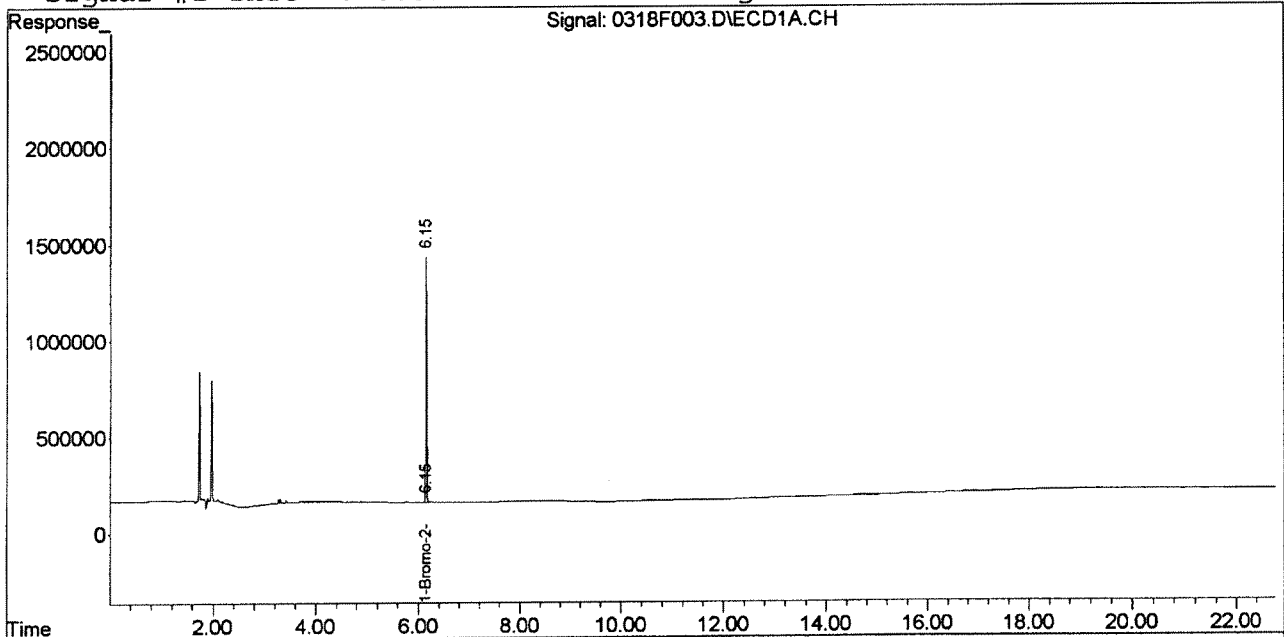


Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F003.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\031814C\0318F003.D\ECD2B.CH
Acq On : 18 Mar 2014 11:15 pm Operator: SMURRAY
Sample : IB Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:55 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 12:49:39 2014
Response via : Multiple Level Calibration
DataAcq Meth : PEST1UL.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F002.D\ECD1A.CH Vial: 70
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F002.D\ECD2B.CH
 Acq On : 17 Mar 2014 2:06 pm Operator: SMURRAY
 Sample : PEM @ 50-100ppb GCPS7-48D Inst : GC23
 Misc : SEMIVOA GC\W0617642\2-PEM.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 15:18:19 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 15:15:15 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

Internal Standards						
1) i 1-Bromo-2-nitrob	5.91	5.38	1752939	635073	100.000	100.000

System Monitoring Compounds

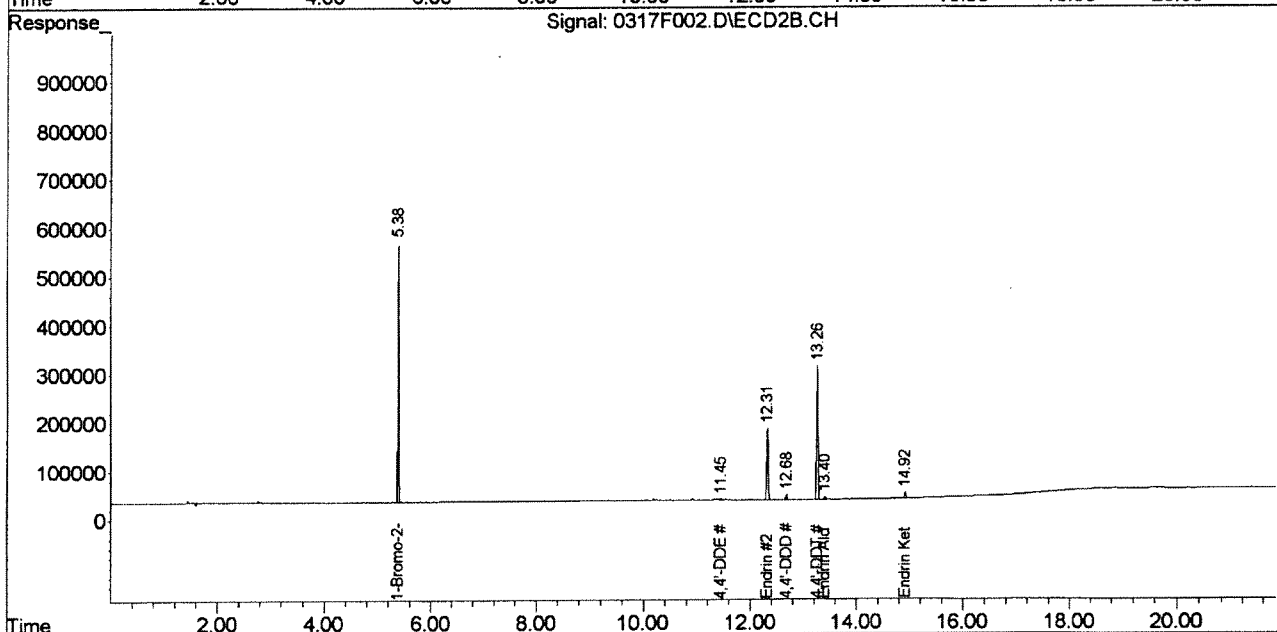
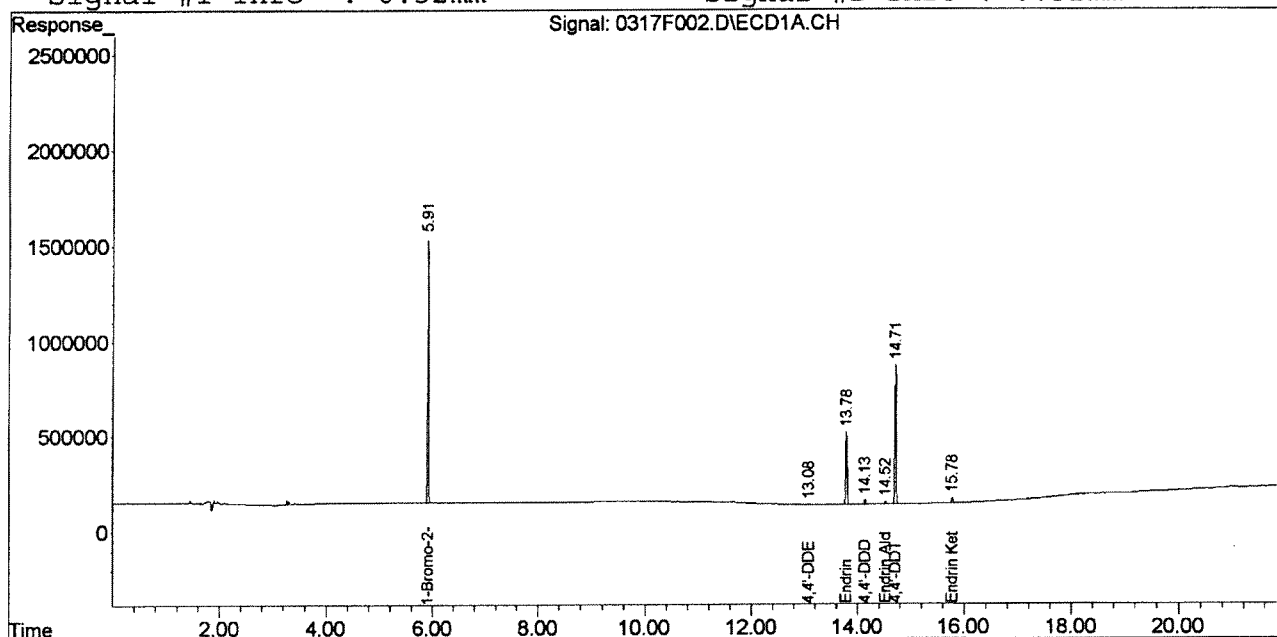
Target Compounds						
16)	4,4'-DDE	13.08	11.45	7373	4242	0.372 0.495 #
17)	Endrin	13.78	12.31	762378	303305	43.467 43.864
19)	4,4'-DDD	14.13	12.68	50855	21170	3.103 3.107
20)	Endrin Aldehyde	14.52	13.40	29813	12546	2.031 2.085
22)	4,4'-DDT	14.71	13.26	1346104	509873	76.231 74.558
23)	Endrin Ketone	15.78	14.92	52164	23310	2.295 2.604

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F002.D\ECD1A.CH Vial: 70
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F002.D\ECD2B.CH
 Acq On : 17 Mar 2014 2:06 pm Operator: SMURRAY
 Sample : PEM @ 50-100ppb GCPS7-48D Inst : GC23
 Misc : SEMIVOA GC\W0617642\2-PEM.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 15:19 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 15:15:15 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F001.D\ECD1A.CH Vial: 69
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F001.D\ECD2B.CH
 Acq On : 17 Mar 2014 1:38 pm Operator: SMURRAY
 Sample : IB Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 15:20:25 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 15:15:15 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

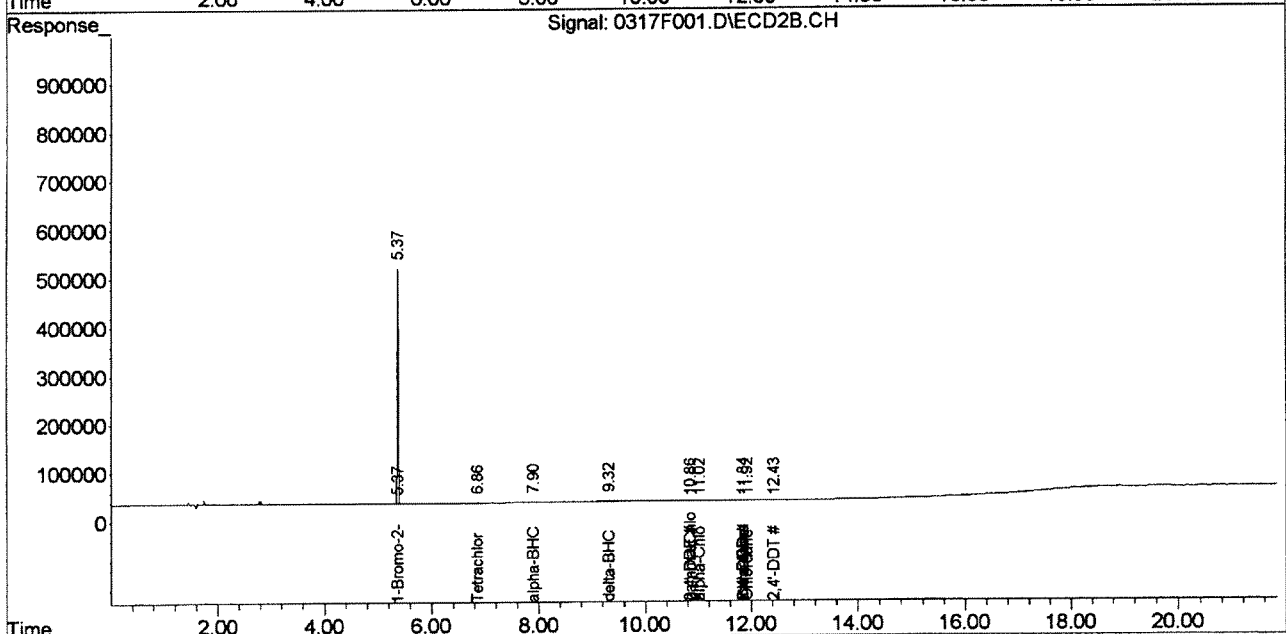
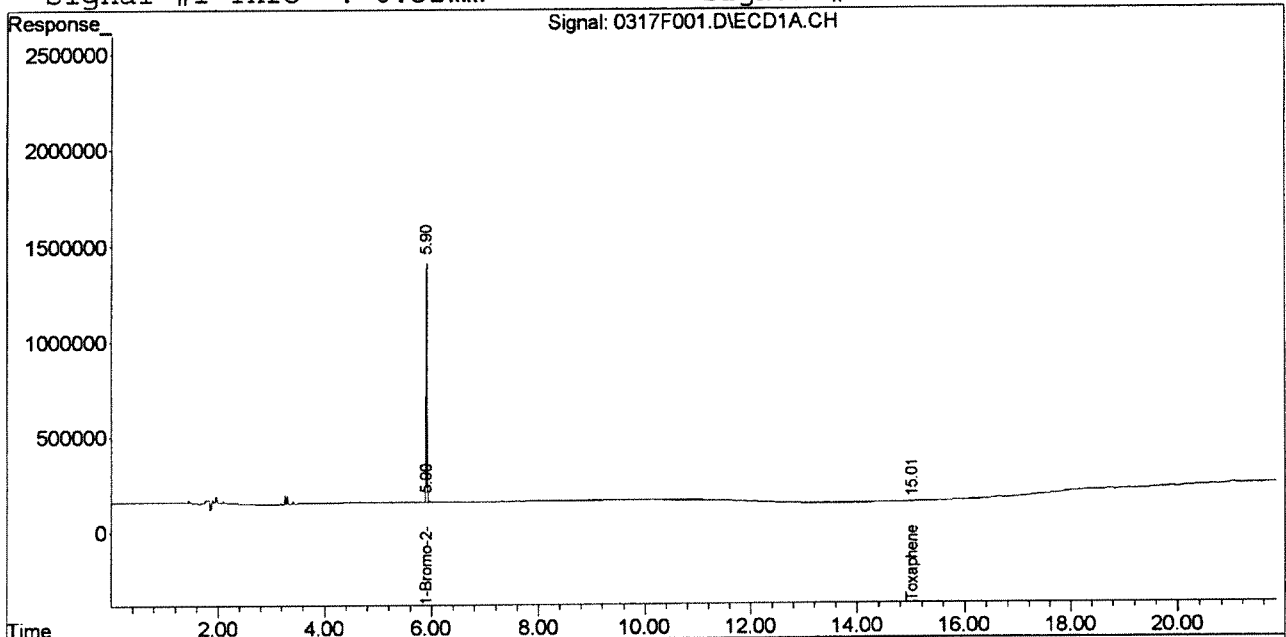
Internal Standards							
1) i	1-Bromo-2-nitrob	5.90	5.37	1585881	571355	100.000	100.000
29)	1-Bromo-2-nitrob	5.90f	5.37f	1585881	571355	100.000	100.000
36)	1-Bromo-2-nitrob	5.90f	5.37f	1585881	571355	100.000	100.000
43)	1-Bromo-2-nitrob	5.90f	5.37f	1585881	571355	100.000	100.000
System Monitoring Compounds							
2) s	Tetrachloro-m-xy	0.00	6.86f	0	795	N.D.	0.117 #
Target Compounds							
3)	alpha-BHC	0.00	7.90	0	738	N.D. d	0.082
7)	delta-BHC	0.00	9.32	0	1452	N.D.	0.172 #
12)	gamma-Chlordane	0.00	10.86	0	1074	N.D.	0.135 #
14)	alpha-Chlordane	0.00	11.02	0	772	N.D.	0.099 #
25)	2,4'-DDE	0.00	10.86	0	1074	N.D. d	0.208
26)	2,4'-DDD	0.00	11.84	0	856	N.D.	0.189 #
27)	2,4'-DDT	0.00	12.43	0	1007	N.D. d	0.193
34)	Toxaphene {5}	15.01	0.00	3064	0	13.056	N.D. #
39)	Chlordane {3}	0.00	11.84f	0	856	N.D. d	0.946
40)	Chlordane {4}	0.00	11.84	0	856	N.D.	1.580 #
41)	Chlordane {5}	0.00	11.92	0	2137	N.D.	7.077 #
47)	trans-Nonachlor	0.00	11.84	0	856	N.D.	0.111 #

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F001.D\ECD1A.CH Vial: 69
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F001.D\ECD2B.CH
 Acq On : 17 Mar 2014 1:38 pm Operator: SMURRAY
 Sample : IB Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:59 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 15:15:15 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
 Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
 Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:20:43 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 18:14:57 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

Internal Standards						
1) i 1-Bromo-2-nitrob	6.15	5.55	1766290	683630	100.000	100.000
System Monitoring Compounds						
2) s Tetrachloro-m-xy	8.93	7.36	62278	21880	2.200	2.365
28) s Decachlorobiphen	18.65	17.17	52164	18794	2.352m	2.439
Target Compounds						
3) alpha-BHC	9.78	8.60	64542	23636	2.366	2.178
4) Hexachlorobenzen	9.94	8.38	76627	26476	2.150	2.488
5) beta-BHC	11.05	9.88	32617	12730	0.811	2.592 #
6) gamma-BHC (Linda	10.45	9.35	60956	23061	2.447m	2.326
7) delta-BHC	11.55	10.41	57491	21723	2.390m	2.283
8) Heptachlor	11.65	10.04	59697	22914	2.618	2.582
9) Aldrin	12.18	10.63	59977	23521	2.449	2.256
10) Isodrin	12.71	11.43	52927	20822	2.586m	2.448
11) Heptachlor Epoxi	12.91	11.70	58619	22137	2.673	2.443
12) gamma-Chlordane	13.43	12.07	58929	23895	2.589m	2.331
13) Endosulfan I	13.56	12.28	52845	20003	2.612	2.367
14) alpha-Chlordane	13.51	12.22	58206	23555	2.581	2.463m
15) Dieldrin	13.98	12.73	52729	22928	2.478	2.520
16) 4,4'-DDE	13.78	12.58	53084	20735	2.413	2.148m
17) Endrin	14.35	13.21	46120	19167	2.577	2.536
18) Endosulfan II	14.79	13.65	48875	18852	2.777m	2.431
19) 4,4'-DDD	14.62	13.47	44838	16689	2.547	2.251
20) Endrin Aldehyde	14.98	14.01	35074	14880	2.719m	2.508m
21) Endosulfan Sulfa	15.45	14.34	46815	17192	2.858m	2.405m
22) 4,4'-DDT	15.12	13.89	35850	16782	2.461	2.586
23) Endrin Ketone	16.14	15.29	53096	22036	2.656	2.461
24) Methoxychlor	15.88	15.00	19666	8817	2.780	2.680
25) 2,4'-DDE	13.19	12.10	34040	14372	2.501	2.715m
26) 2,4'-DDD	13.93	12.88	32633	13678	2.677	2.637
27) 2,4'-DDT	14.43	13.31	32228	14073	2.632	2.519

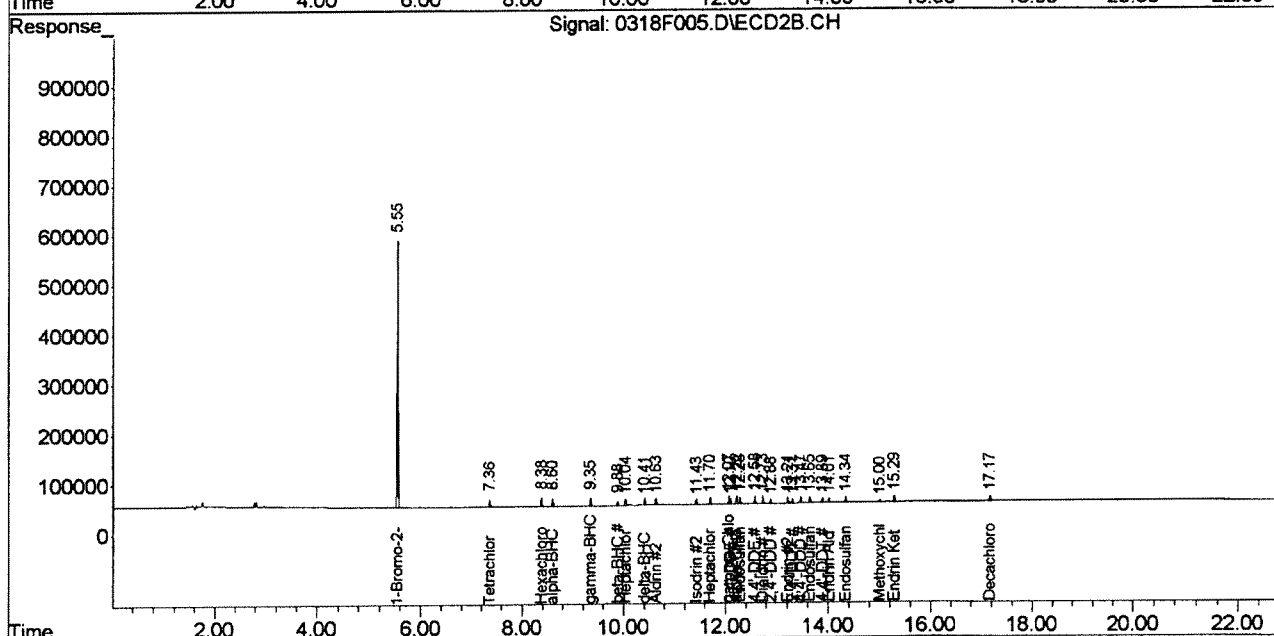
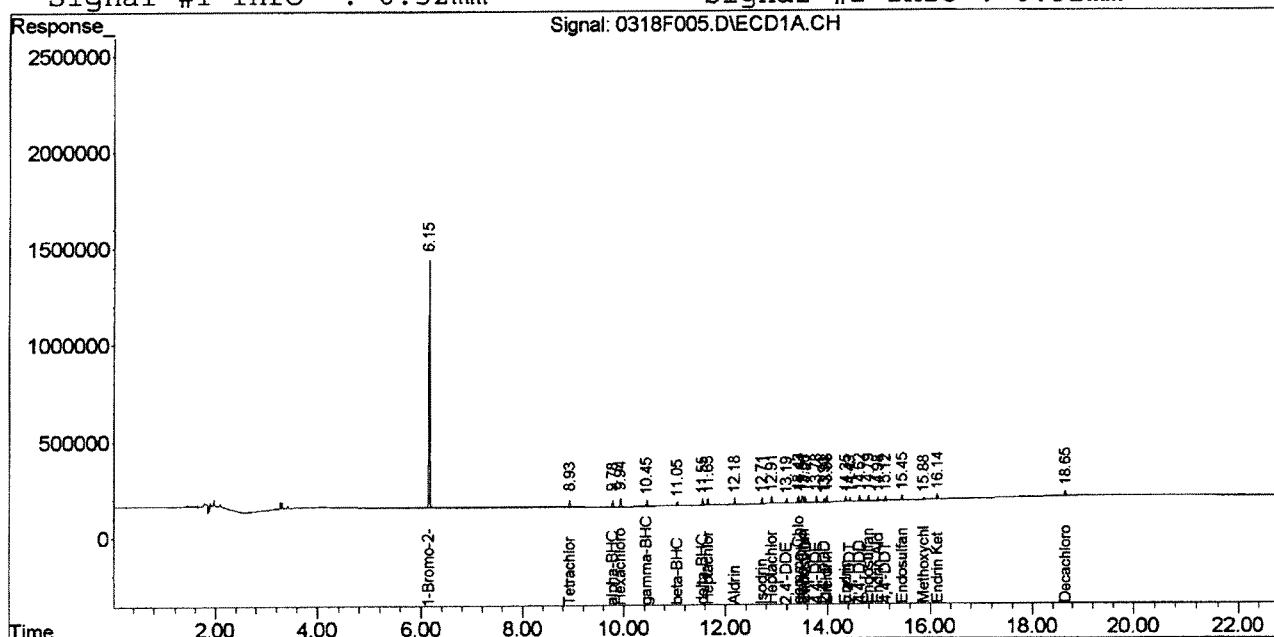
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 0318F005.D GC23-031714-8081.M Wed Mar 19 12:44:01 2014 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
 Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
 Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:23 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 18:14:57 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

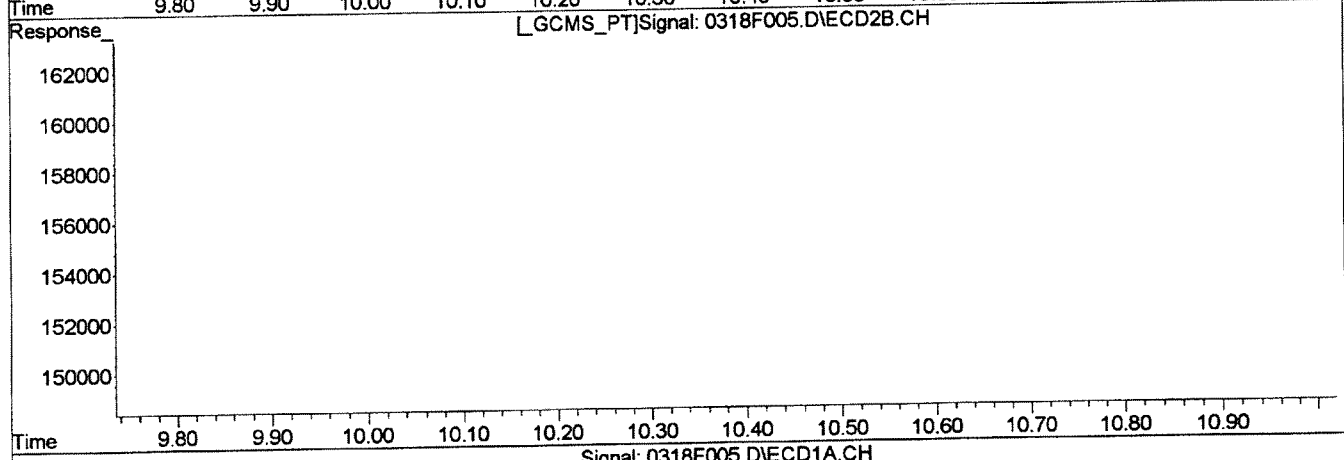
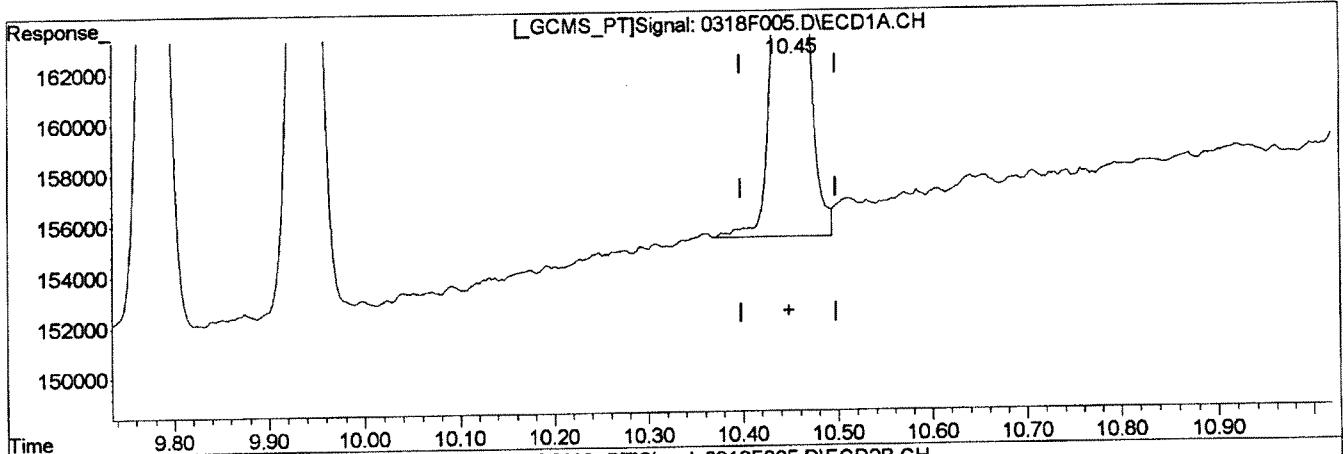
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 18:14:57 2014
Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH

(6) gamma-BHC (Lindane)	Manual Integration:
10.45min 2.574ug/L	Before
response 64128	03/19/14
(6) gamma-BHC (Lindane) #2	
9.35min 2.326ug/L	
response 23061	

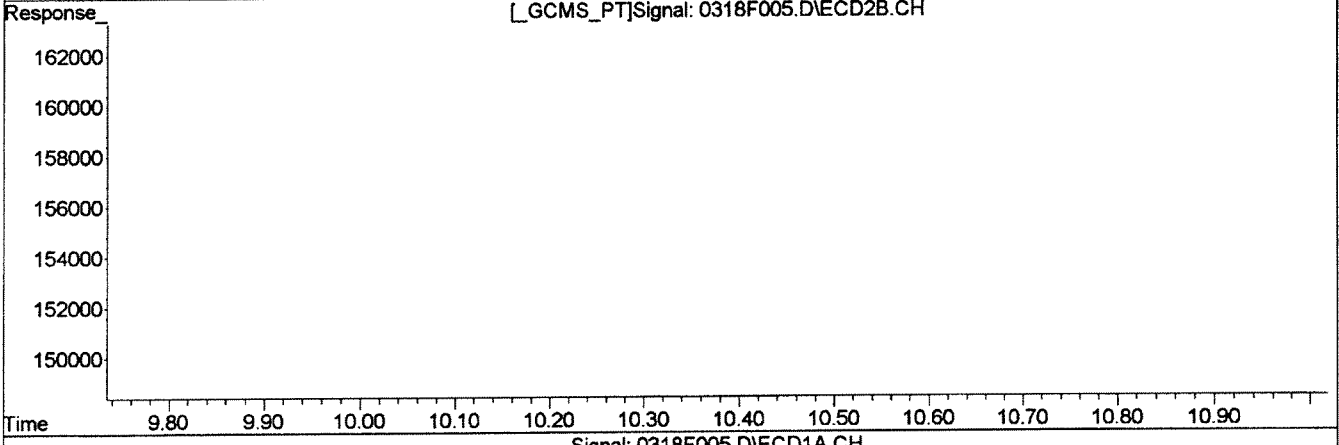
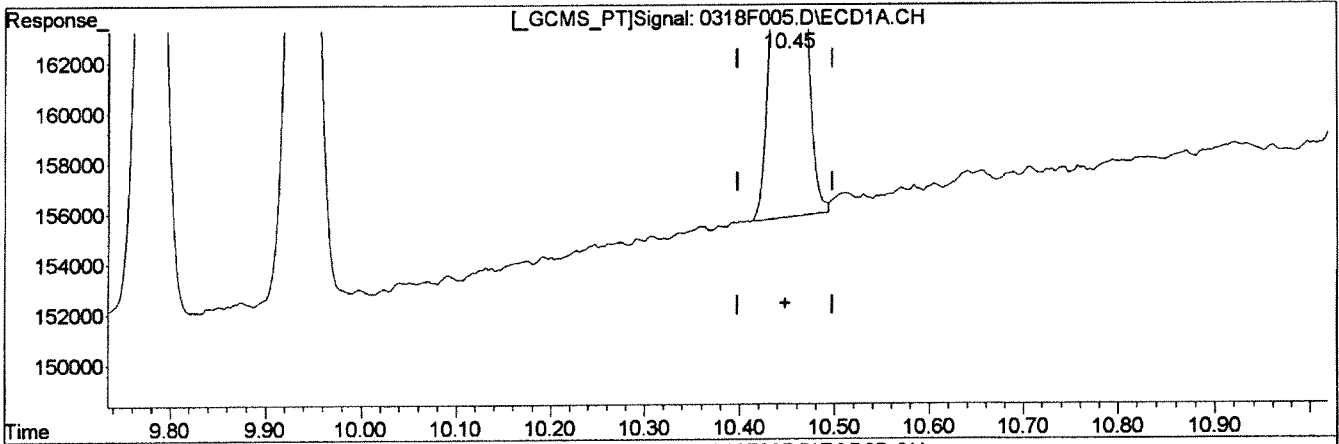
(+) = Expected Retention Time
0318F005.D GC23-031714-8081.M

Wed Mar 19 12:21:21 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 18:14:57 2014
Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
10.45	2.447	60956
9.35	2.326	23061

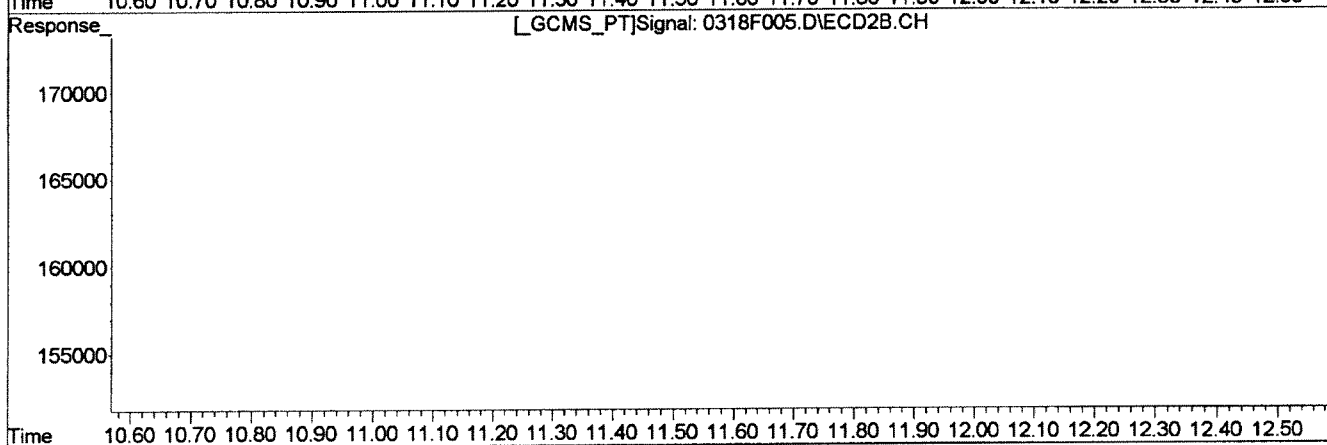
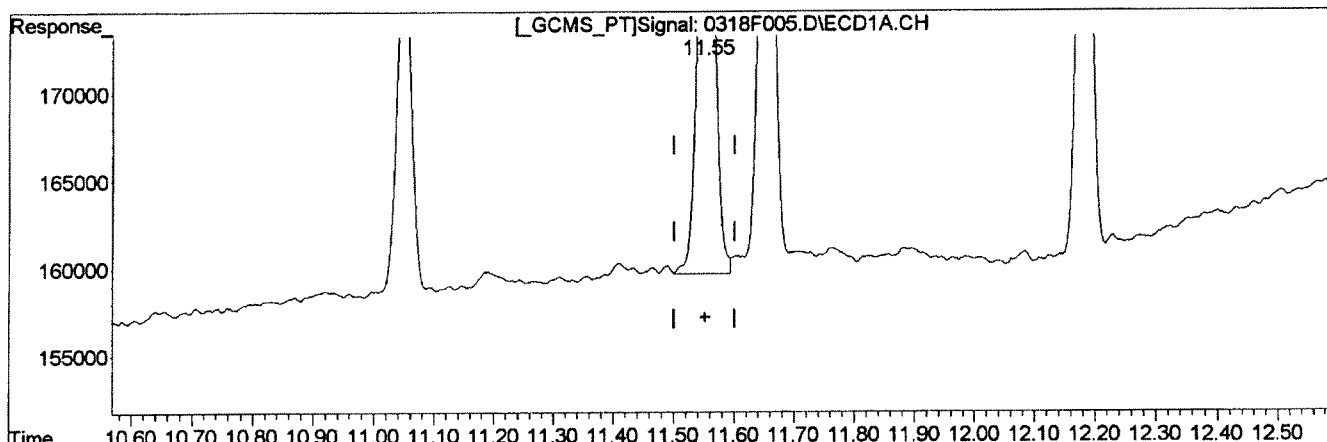
Manual Integration:
After
Baseline/Shoulder
03/19/14

(+) = Expected Retention Time
0318F005.D GC23-031714-8081.M Wed Mar 19 12:21:25 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
 Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
 Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 18:14:57 2014
 Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH

(7) delta-BHC	Manual Integration:
11.55min 2.506ug/L	Before
response 60267	03/19/14
(7) delta-BHC #2	
10.41min 2.283ug/L	
response 21723	

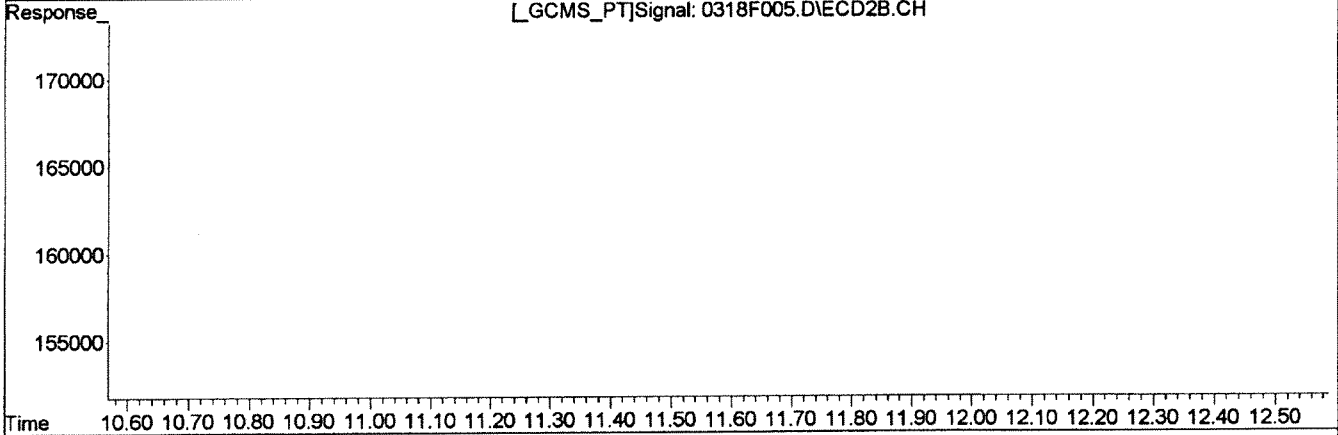
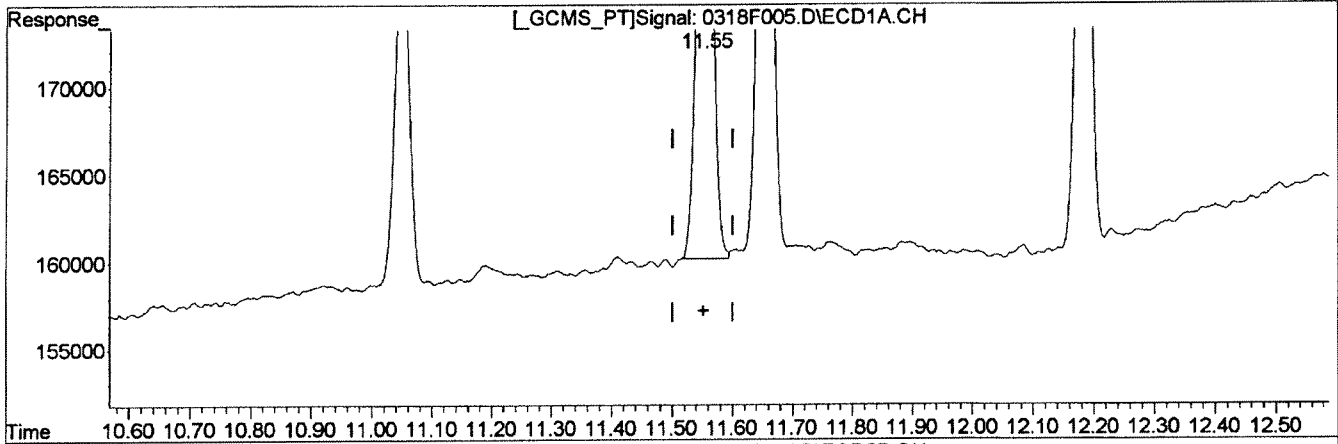
(+) = Expected Retention Time
 0318F005.D GC23-031714-8081.M

Wed Mar 19 12:21:28 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
Sample : 81/24 @ 2ppb GCP57-77E Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 18:14:57 2014
Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH

(7) delta-BHC	Manual Integration:
11.55min 2.390ug/L m	After
response 57491	Baseline/Shoulder
	03/19/14
(7) delta-BHC #2	
10.41min 2.283ug/L	
response 21723	

[Handwritten signature]

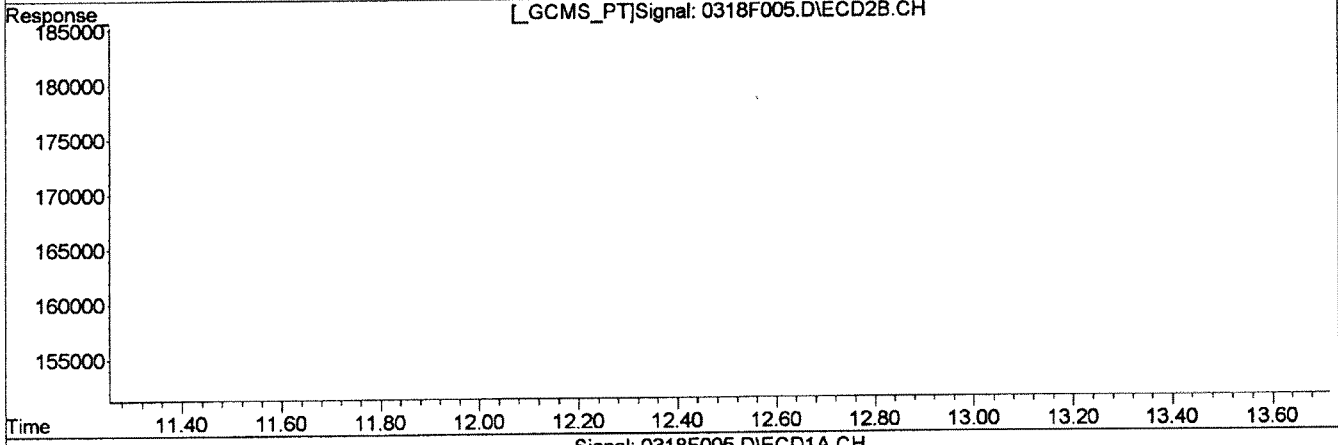
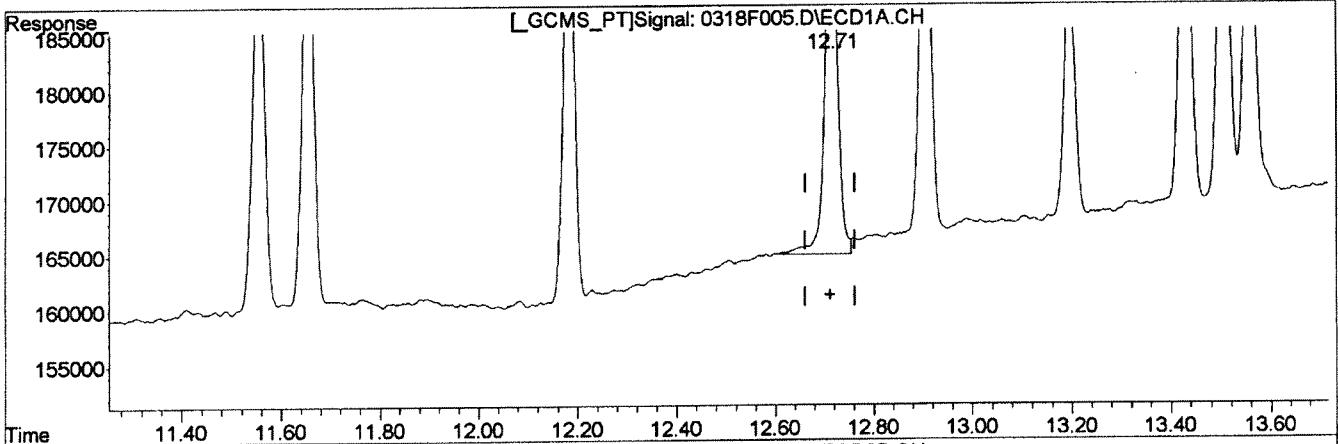
(+) = Expected Retention Time
0318F005.D GC23-031714-8081.M

Wed Mar 19 12:21:32 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 18:14:57 2014
Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH

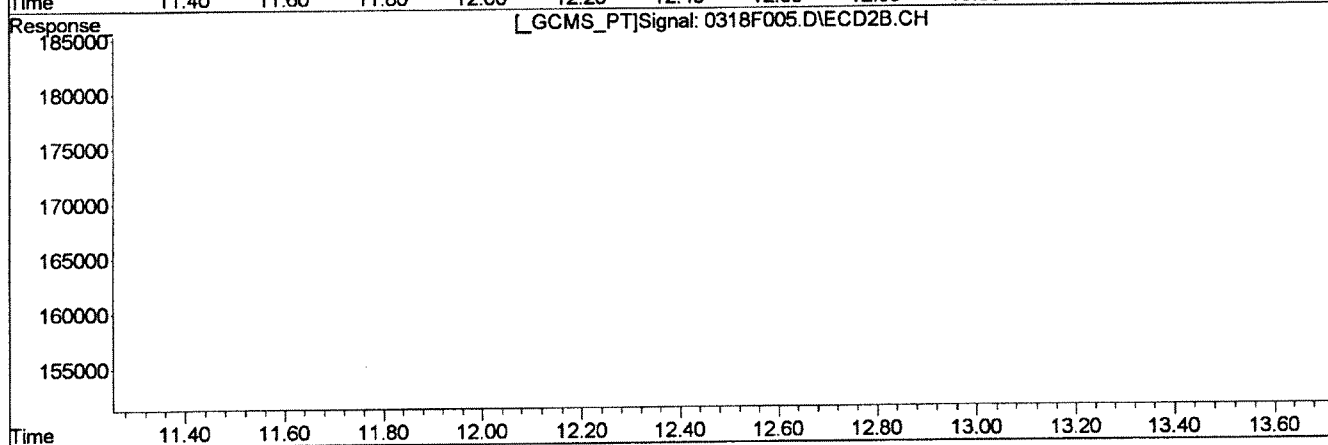
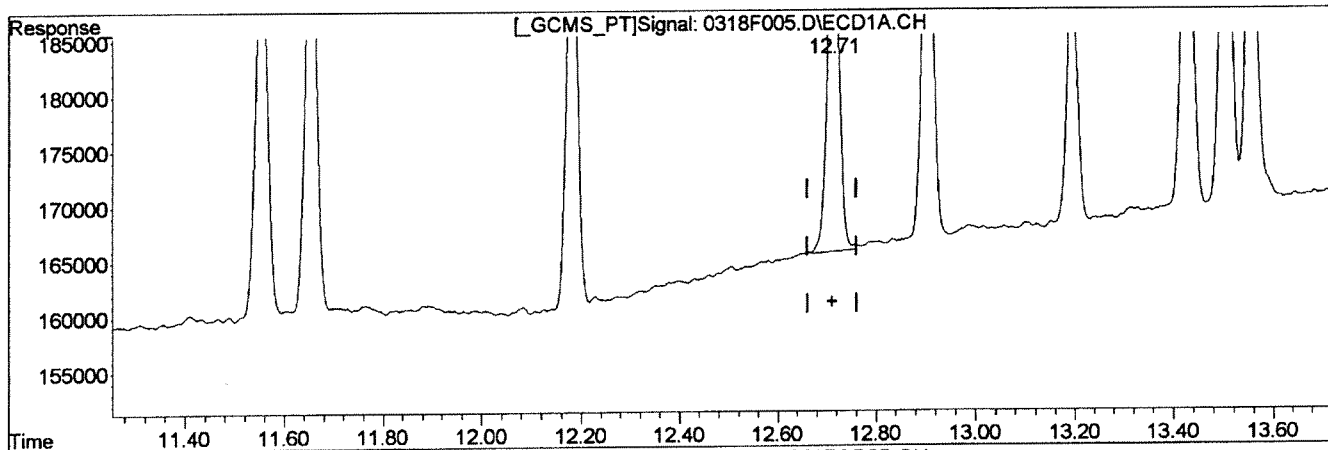
Retention Time	Concentration	Response	Integration Status	Date
(10) Isodrin			Manual Integration:	
12.71min	2.863ug/L	58599	Before	
(10) Isodrin #2				03/19/14
11.43min	2.448ug/L	20822		

(+) = Expected Retention Time
0318F005.D GC23-031714-8081.M Wed Mar 19 12:21:36 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES


Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 18:14:57 2014
Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
12.71	2.586	52927
11.43	2.448	20822

Manual Integration:
After
Baseline/Shoulder
03/19/14



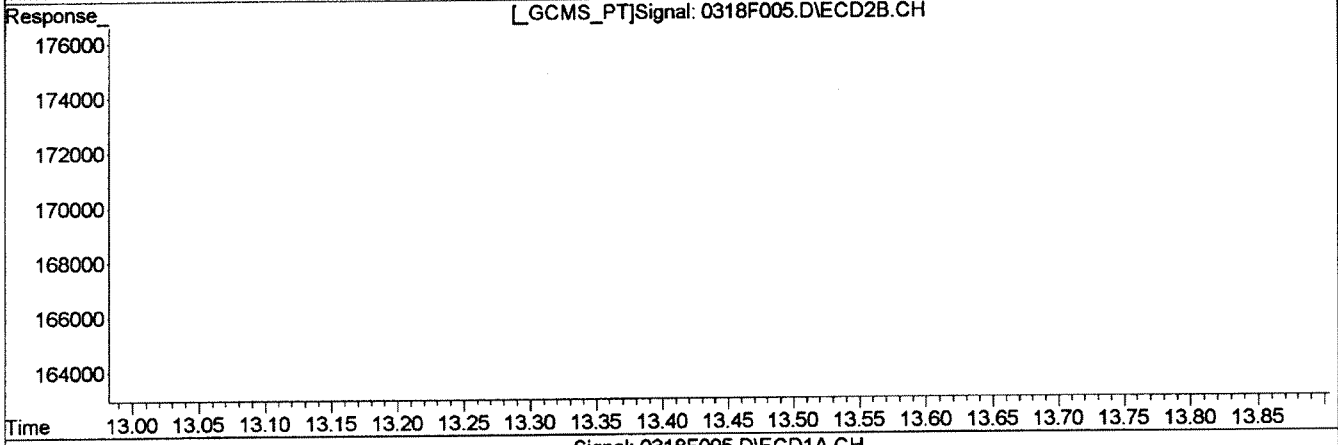
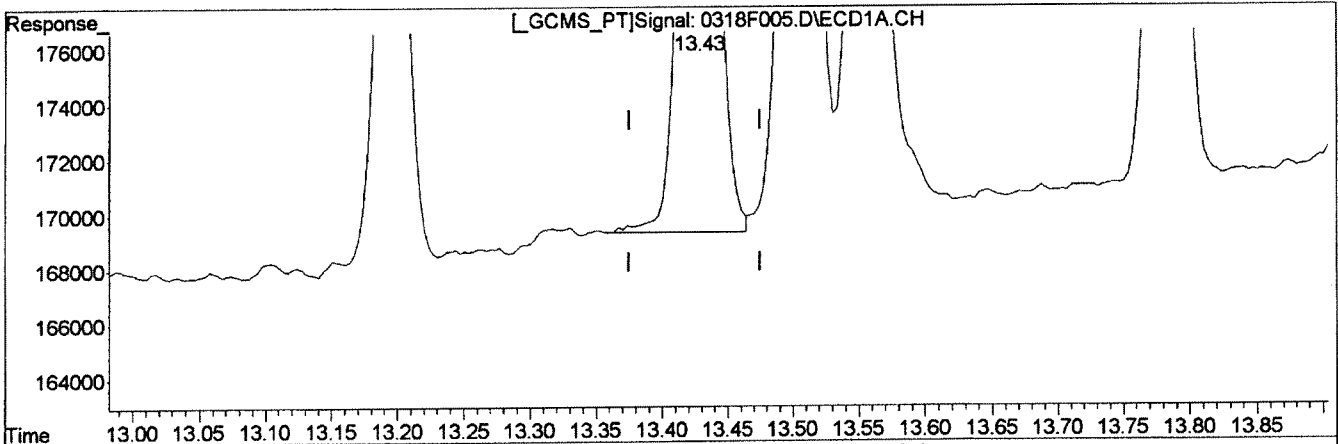
(+) = Expected Retention Time
0318F005.D GC23-031714-8081.M

Wed Mar 19 12:21:39 2014



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
 Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
 Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 18:14:57 2014
 Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH

(12) gamma-Chlordane	Manual Integration:
13.43min 2.674ug/L	Before
response 60849	03/19/14
(12) gamma-Chlordane #2	
12.07min 2.331ug/L	
response 23895	

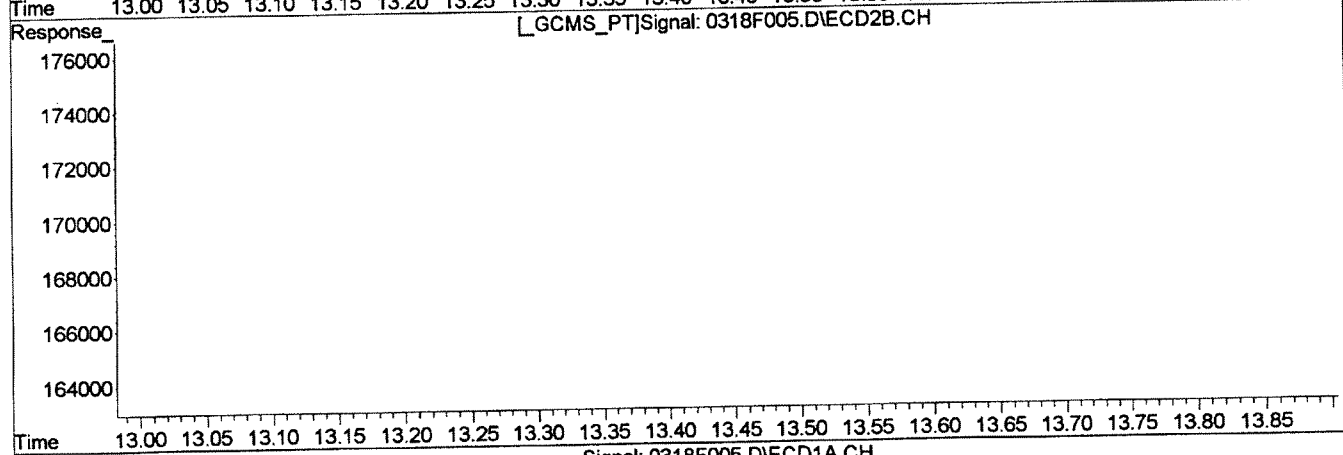
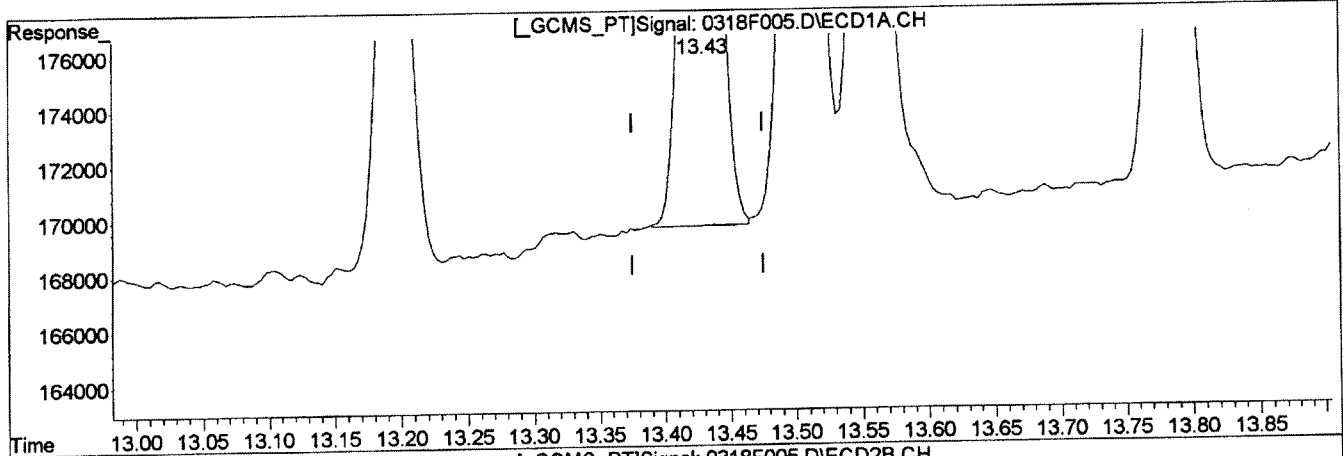
(+) = Expected Retention Time
 0318F005.D GC23-031714-8081.M

Wed Mar 19 12:21:45 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 18:14:57 2014
Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH

Retention Time	Concentration	Response	Integration Status
(12) gamma-Chlordane			Manual Integration:
13.43min	2.589ug/L	58929	After
			Baseline/Shoulder
			03/19/14
(12) gamma-Chlordane #2			
12.07min	2.331ug/L	23895	

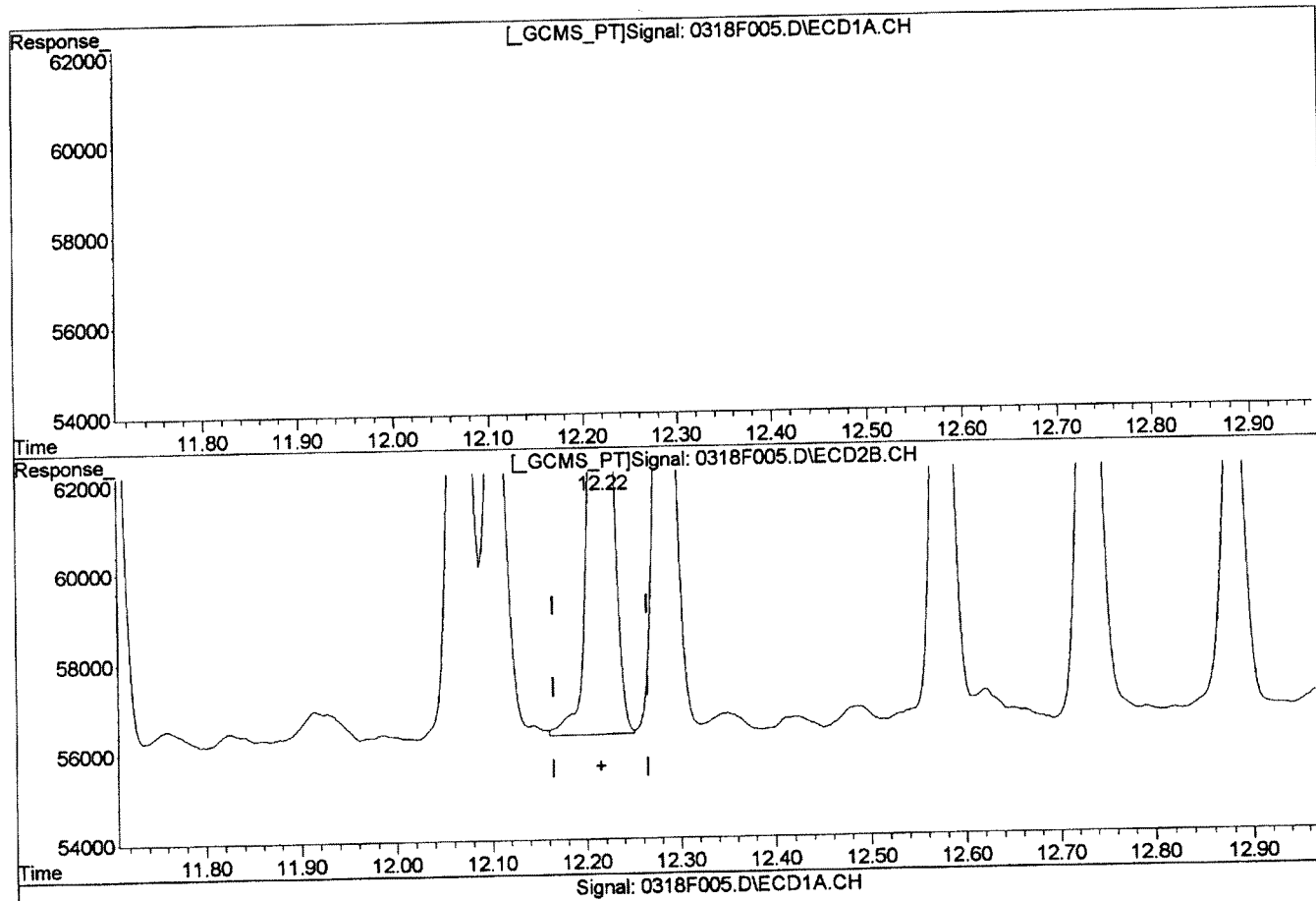
(+) = Expected Retention Time
0318F005.D GC23-031714-8081.M

Wed Mar 19 12:21:49 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 18:14:57 2014
Response via : Multiple Level Calibration



(14) alpha-Chlordane	Manual Integration:
13.51min 2.581ug/L	Before
response 58206	03/19/14
(14) alpha-Chlordane #2	
12.22min 2.524ug/L	
response 24137	

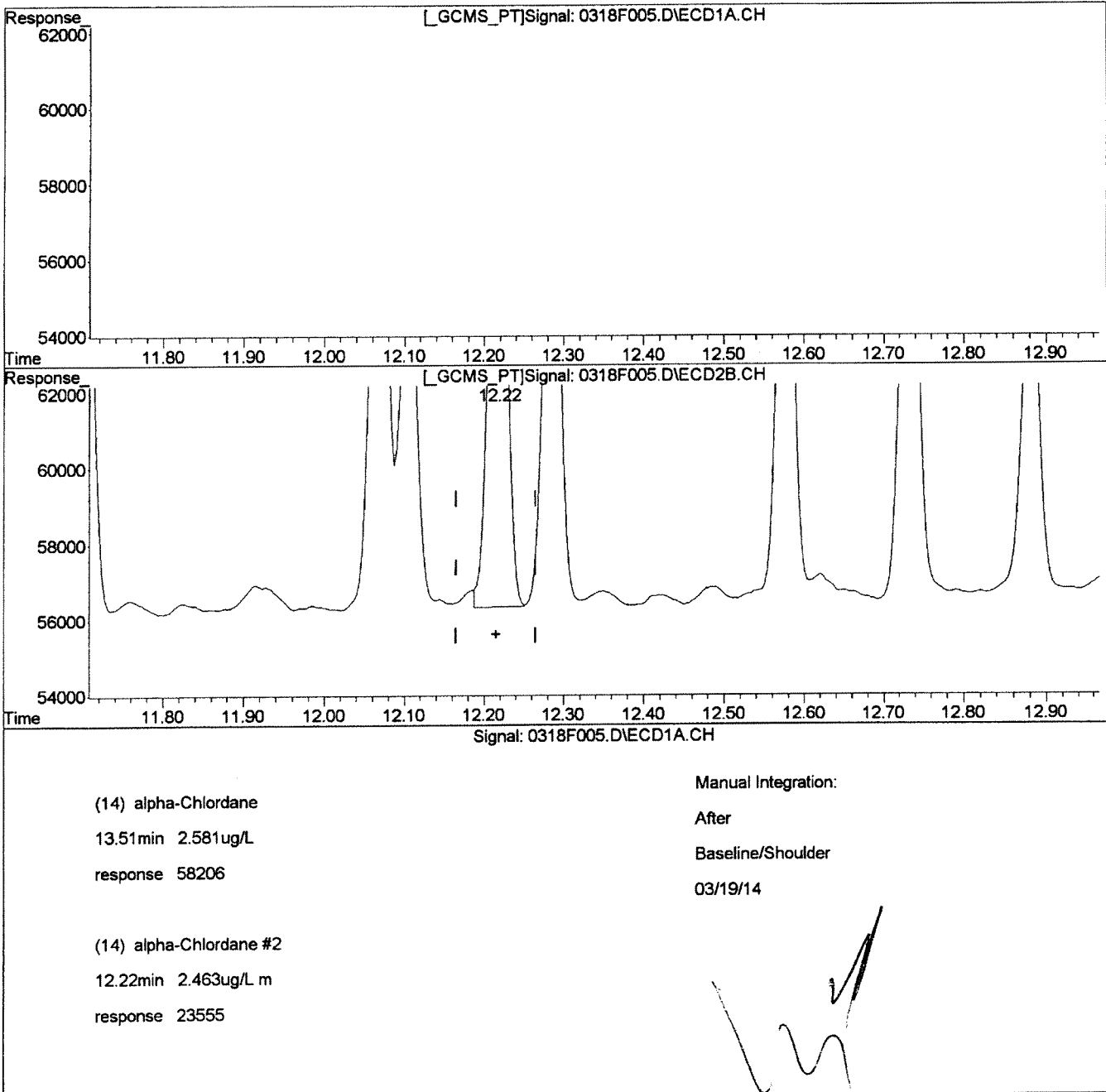
(+) = Expected Retention Time
0318F005.D GC23-031714-8081.M

Wed Mar 19 12:21:55 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 18:14:57 2014
Response via : Multiple Level Calibration



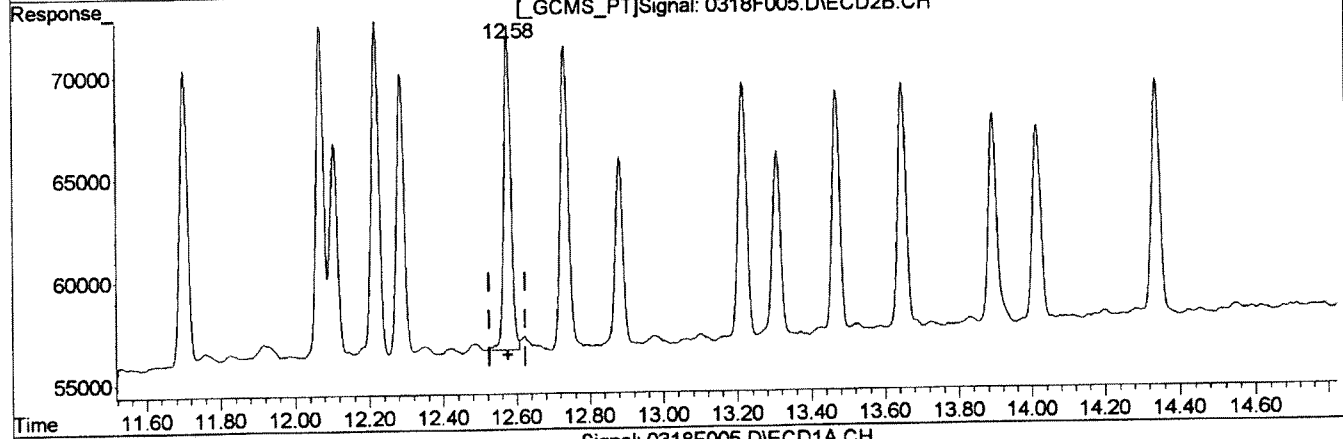
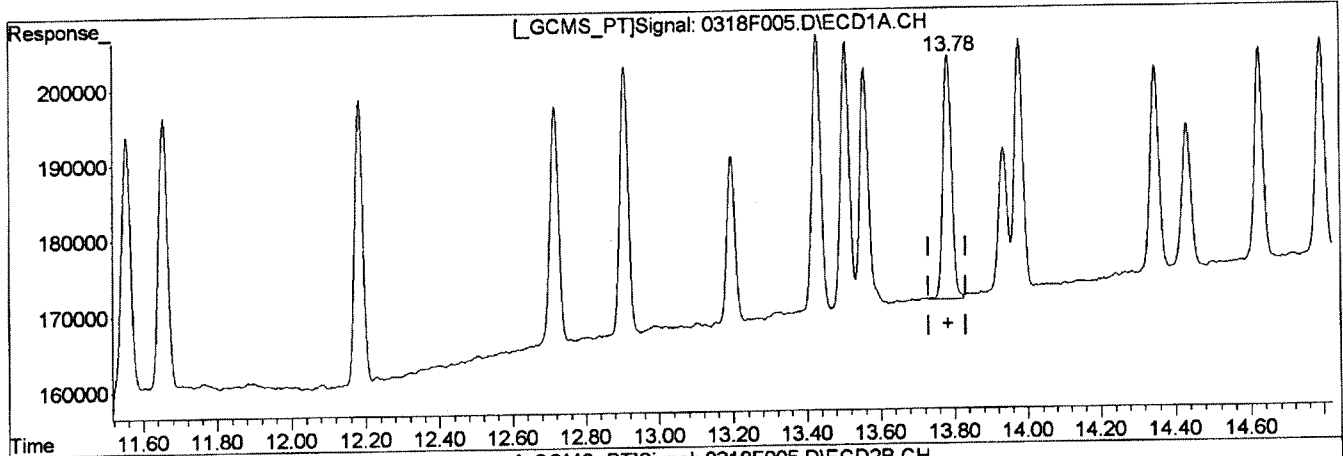
(+) = Expected Retention Time
0318F005.D GC23-031714-8081.M

Wed Mar 19 12:21:59 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 18:14:57 2014
Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH

Retention Time	Concentration	Response	Manual Integration
(16) 4,4'-DDE			Manual Integration:
13.78min	2.413ug/L	53084	Before
(16) 4,4'-DDE #2			03/19/14
12.58min	2.247ug/L	21692	

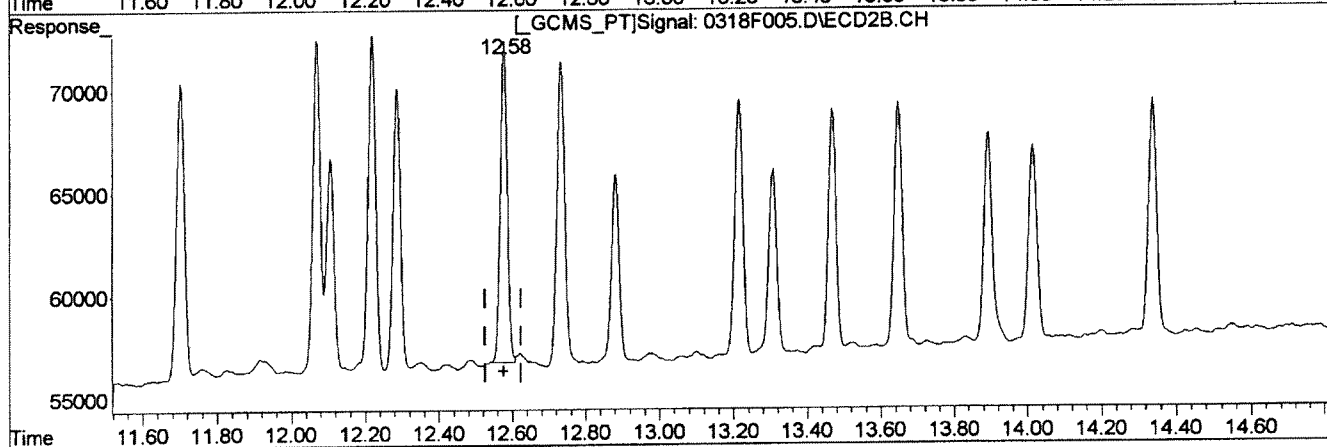
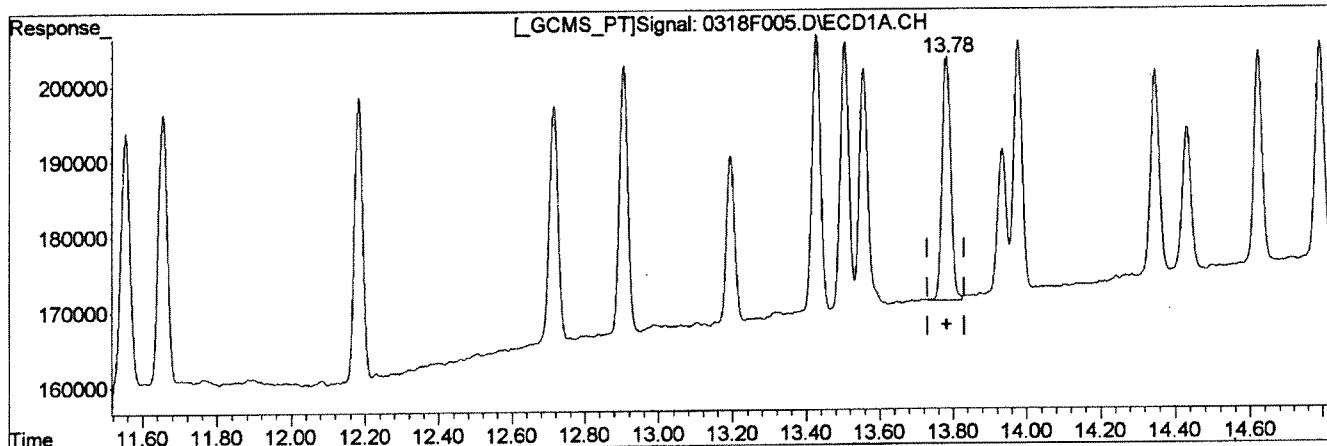
(+) = Expected Retention Time
0318F005.D GC23-031714-8081.M

Wed Mar 19 12:22:02 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES


Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 18:14:57 2014
Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
(16) 4,4'-DDE	2.413	53084
(16) 4,4'-DDE #2	2.148	20735

Manual Integration:
After
Baseline/Shoulder
03/19/14



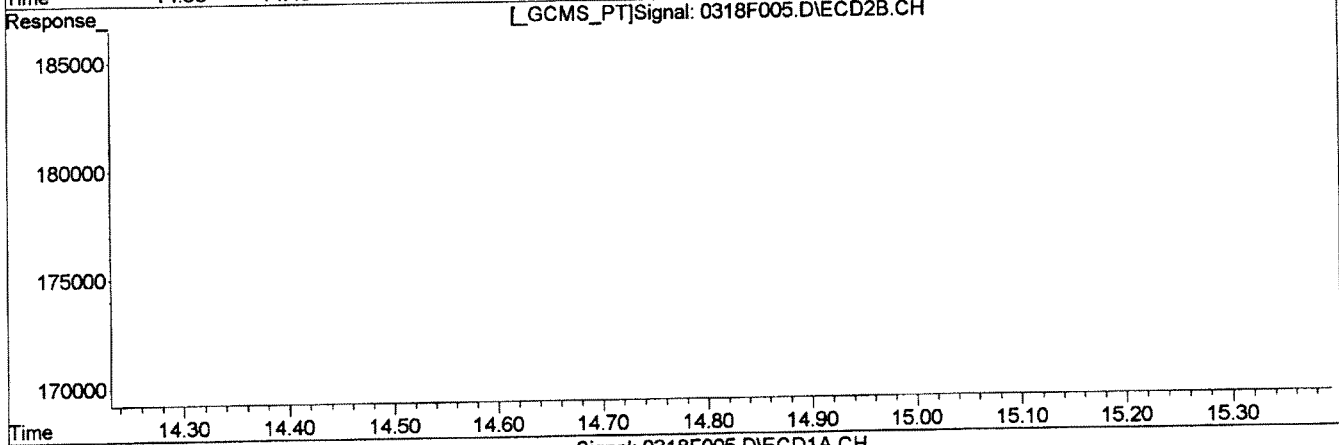
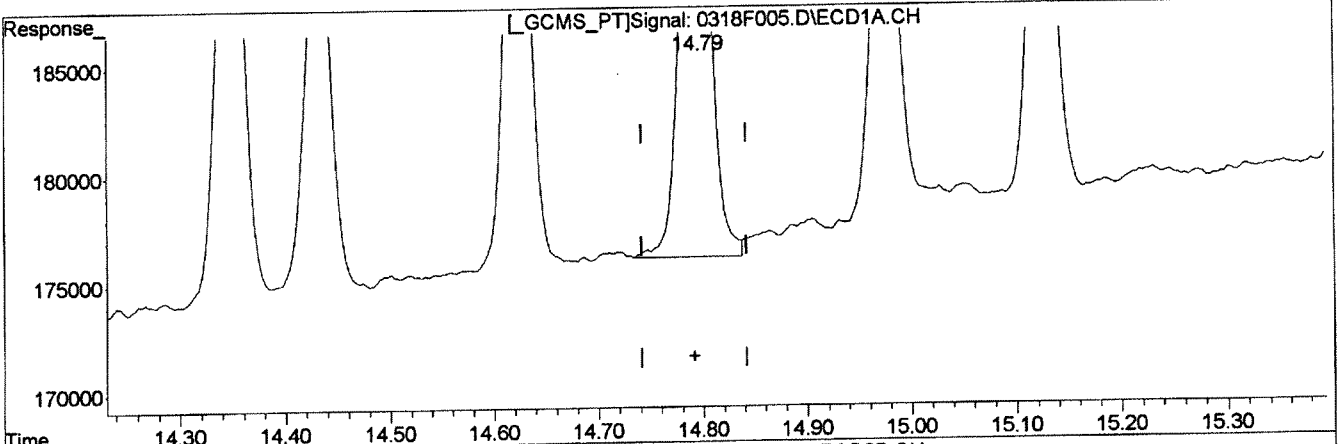
(+) = Expected Retention Time
0318F005.D GC23-031714-8081.M

Wed Mar 19 12:22:06 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

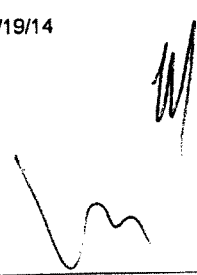
Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 18:14:57 2014
Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
(18) Endosulfan II		
14.79min	2.887ug/L	50813
(18) Endosulfan II #2		
13.65min	2.431ug/L	18852

Manual Integration: Before 03/19/14



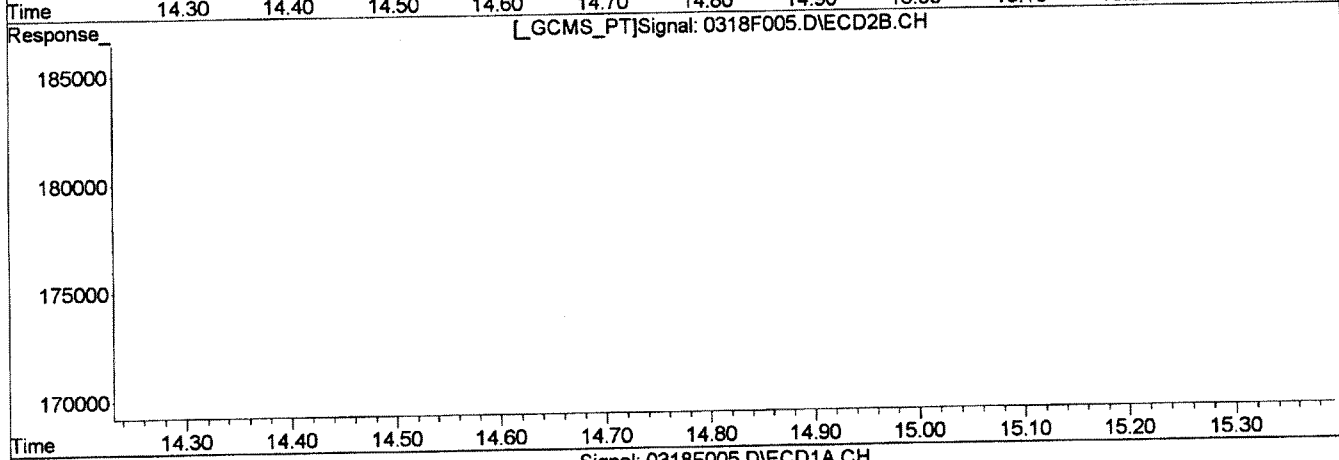
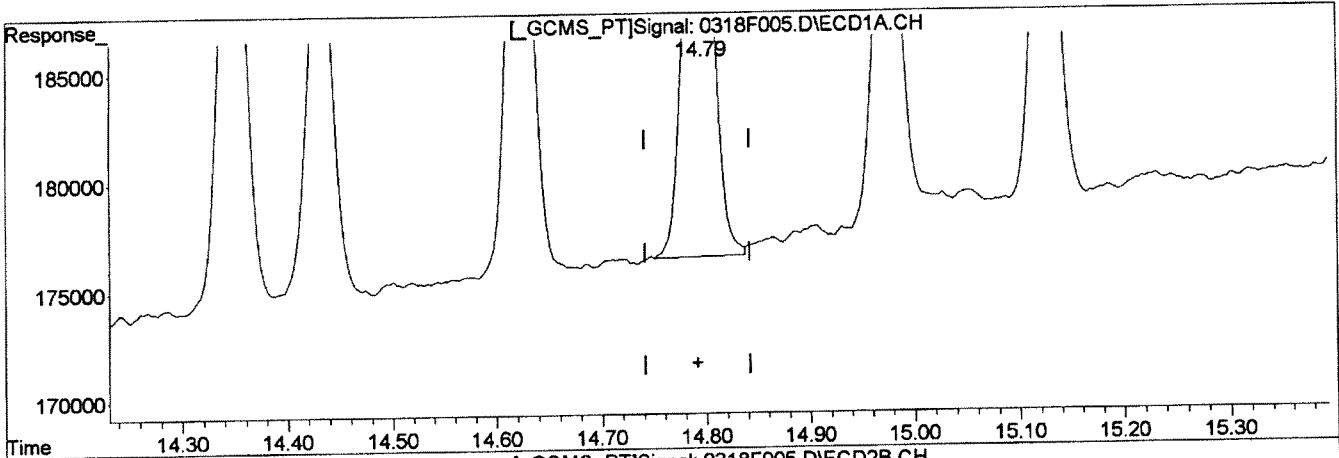
(+) = Expected Retention Time
0318F005.D GC23-031714-8081.M

Wed Mar 19 12:22:11 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
 Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
 Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 18:14:57 2014
 Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH

(18) Endosulfan II	Manual Integration:
14.79min 2.777ug/L m	After
response 48875	Baseline/Shoulder
	03/19/14
(18) Endosulfan II #2	
13.65min 2.431ug/L	
response 18852	

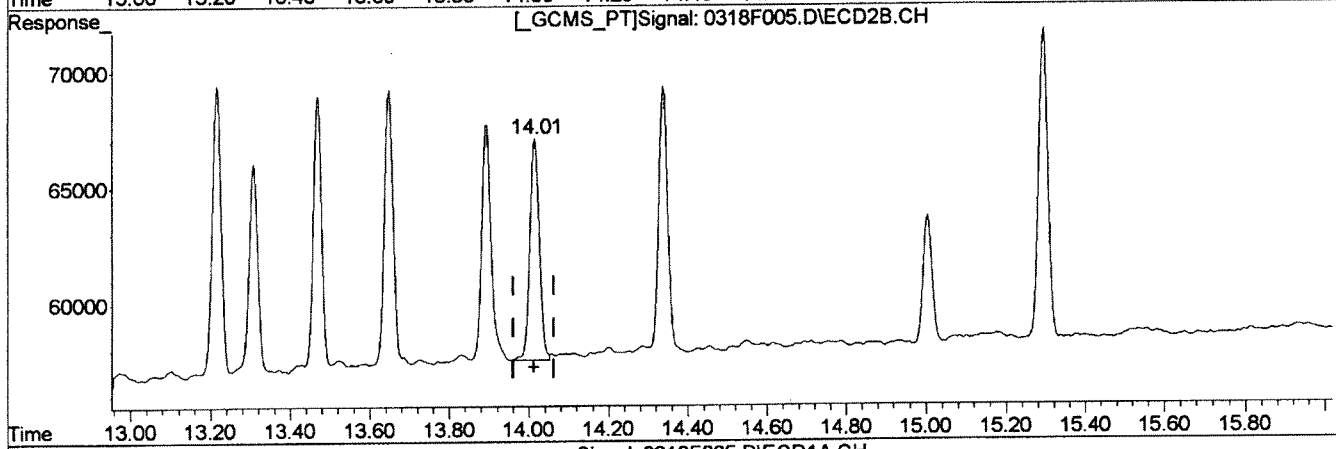
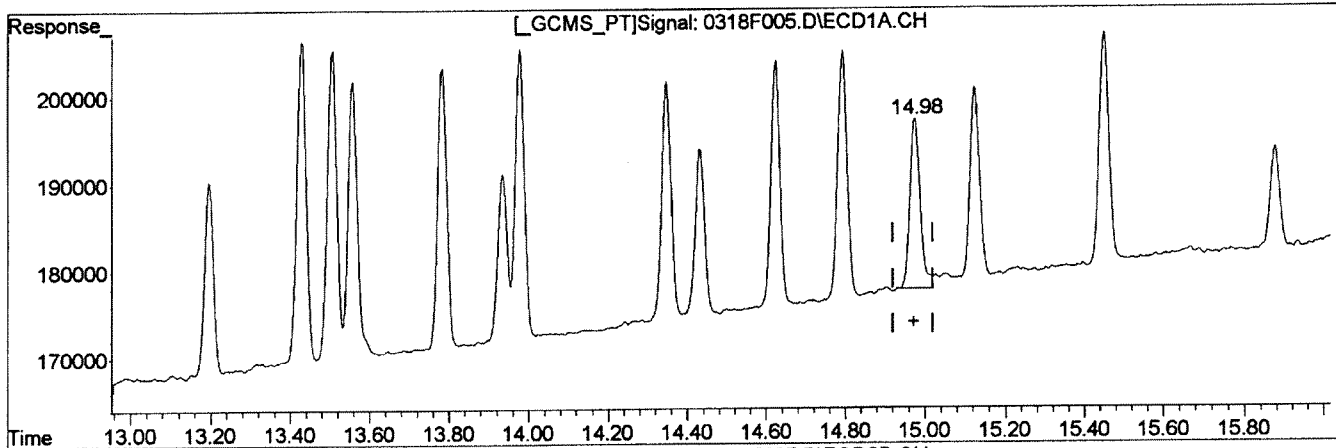
(+) = Expected Retention Time
 0318F005.D GC23-031714-8081.M

Wed Mar 19 12:22:14 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
 Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
 Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 18:14:57 2014
 Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH		Manual Integration:
(20) Endrin Aldehyde		Before
14.98min 2.791ug/L		
response 36005		03/19/14
(20) Endrin Aldehyde #2		<i>[Signature]</i>
14.01min 2.661ug/L		
response 15793		<i>[Signature]</i>

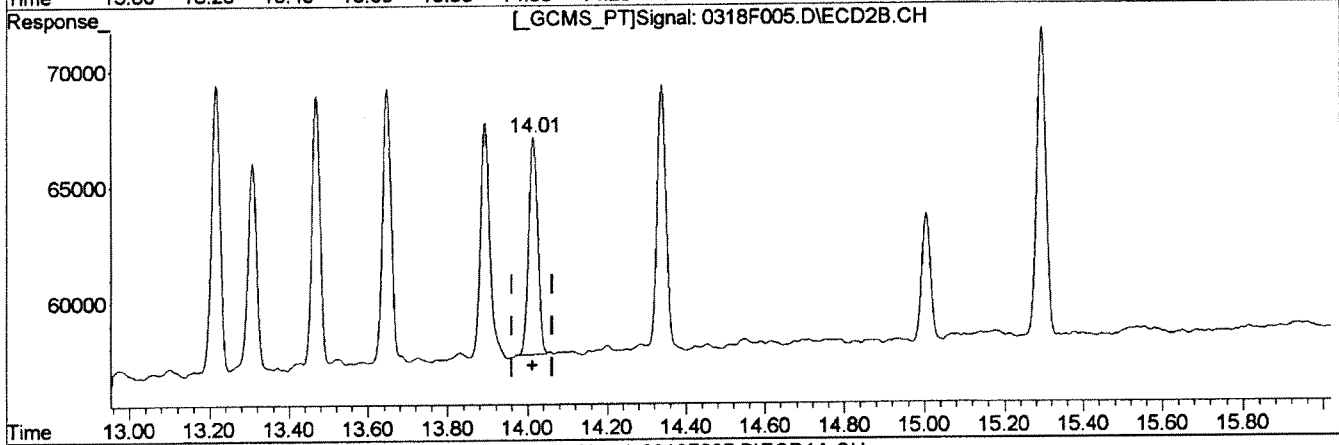
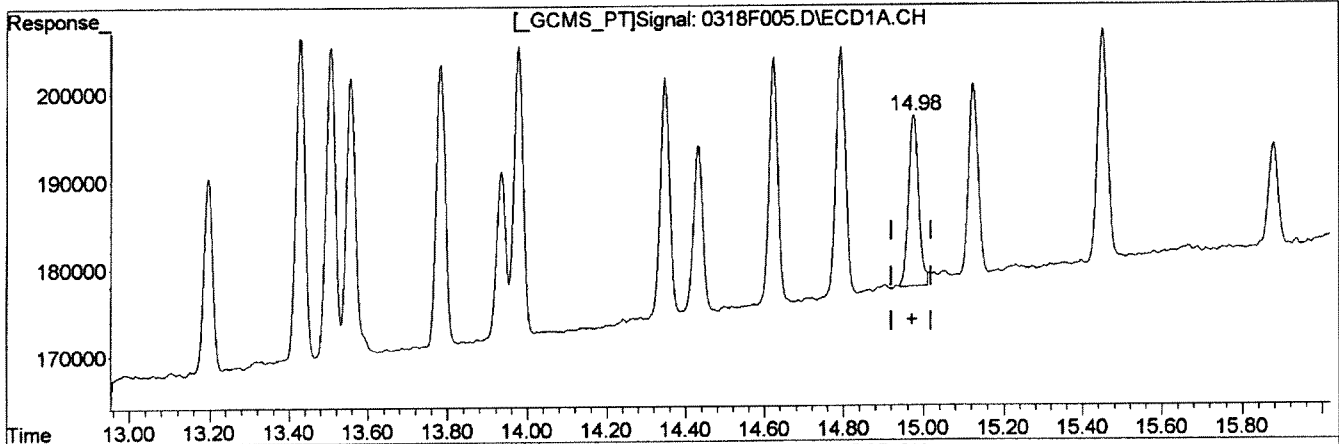
(+) = Expected Retention Time
 0318F005.D GC23-031714-8081.M

Wed Mar 19 12:22:19 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES


Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 18:14:57 2014
Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L m)	Response
(20) Endrin Aldehyde		
14.98min	2.719ug/L m	35074
(20) Endrin Aldehyde #2		
14.01min	2.508ug/L m	14880

Manual Integration:
After
Baseline/Shoulder
03/19/14

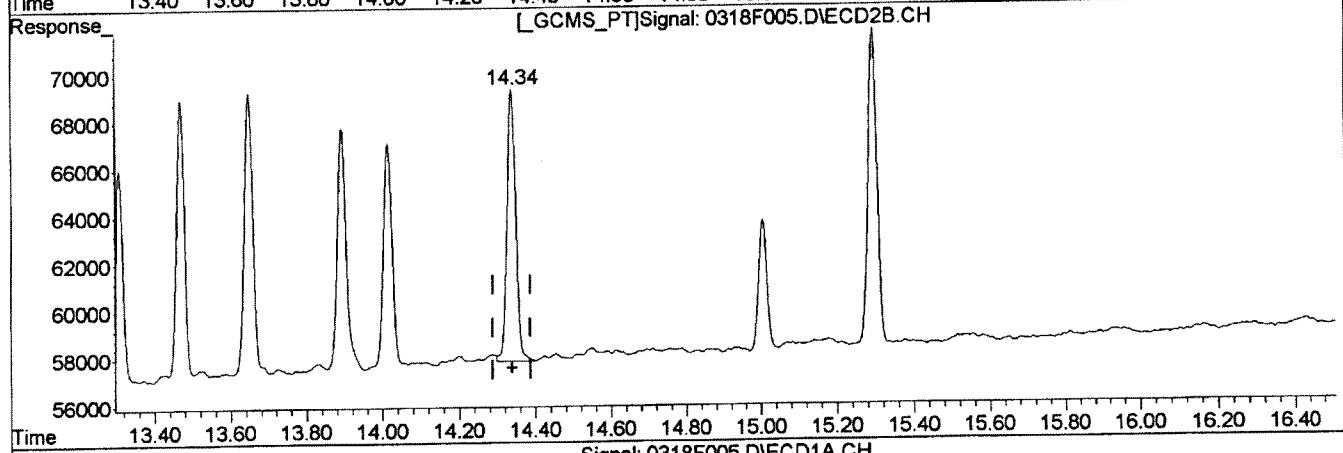
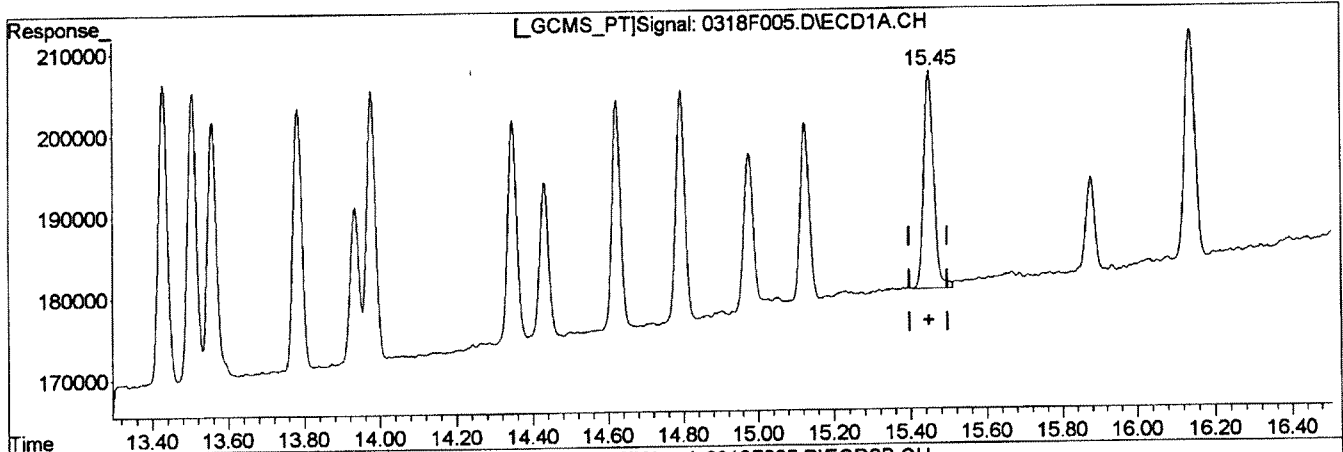


(+) = Expected Retention Time
0318F005.D GC23-031714-8081.M Wed Mar 19 12:22:27 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
 Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
 Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 18:14:57 2014
 Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH

(21) Endosulfan Sulfate	Manual Integration:
15.45min 2.970ug/L	Before
response 48651	03/19/14
(21) Endosulfan Sulfate #2	
14.34min 2.551ug/L	
response 18241	

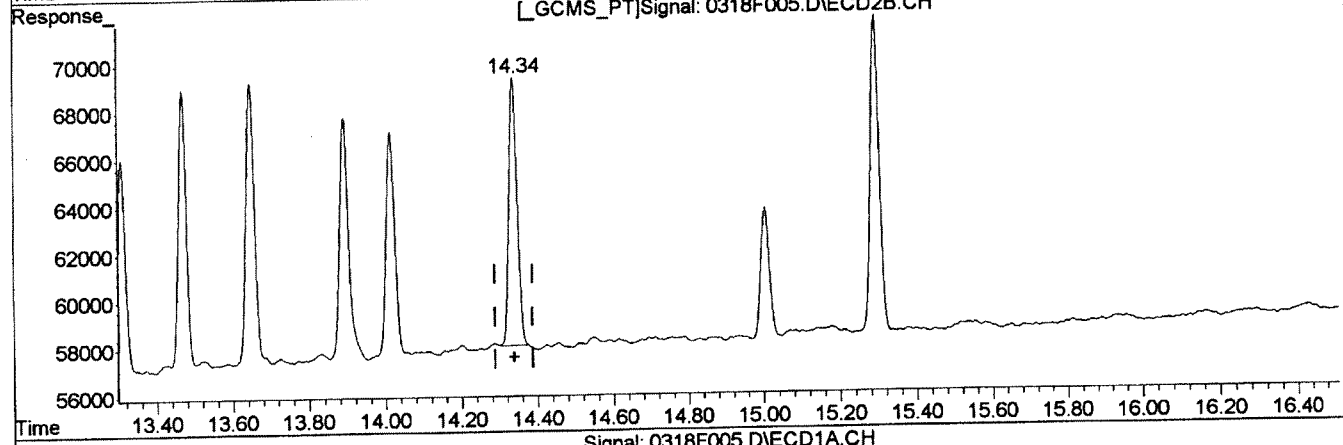
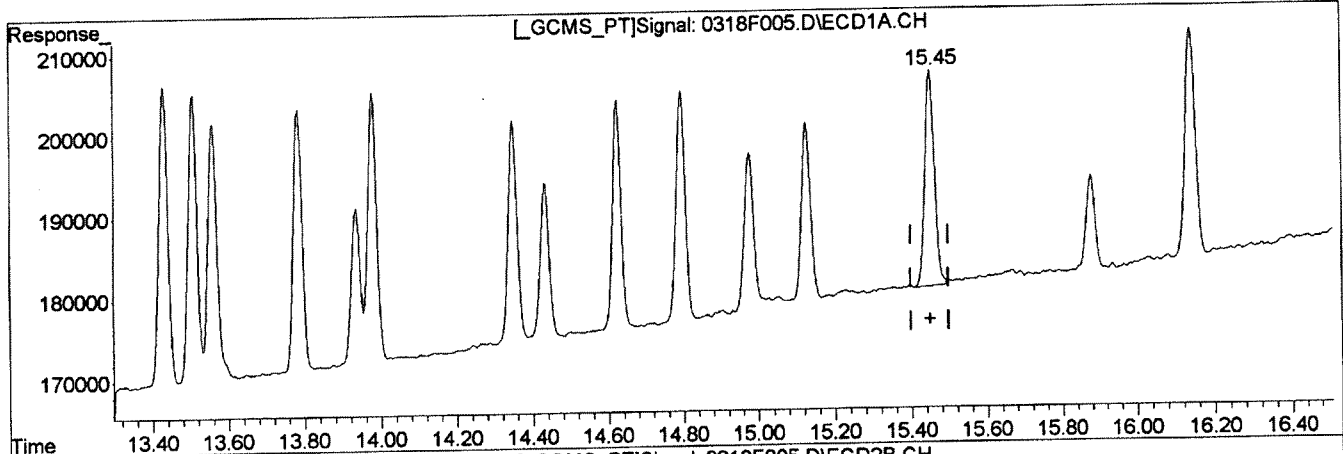
(+) = Expected Retention Time
 0318F005.D GC23-031714-8081.M

Wed Mar 19 12:22:29 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 18:14:57 2014
Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH		Manual Integration:
(21) Endosulfan Sulfate		After
15.45min 2.858ug/L m		Baseline/Shoulder
response 46815		03/19/14
(21) Endosulfan Sulfate #2		
14.34min 2.405ug/L m		
response 17192		

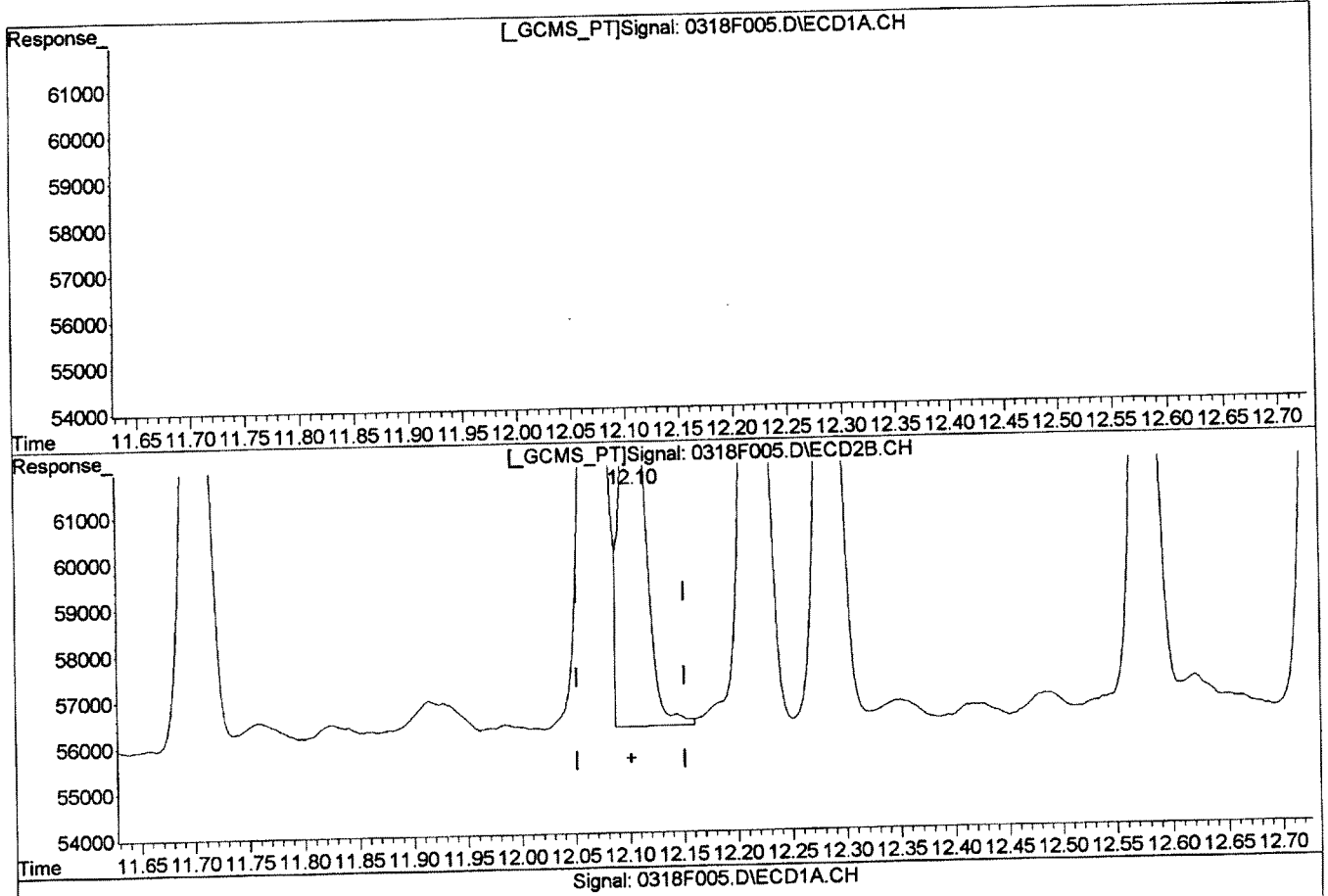
(+) = Expected Retention Time
0318F005.D GC23-031714-8081.M

Wed Mar 19 12:22:38 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 18:14:57 2014
Response via : Multiple Level Calibration



(25) 2,4'-DDE
13.19min 2.501ug/L
response 34040

(25) 2,4'-DDE #2
12.10min 2.807ug/L
response 14856

Manual Integration:

Before

03/19/14

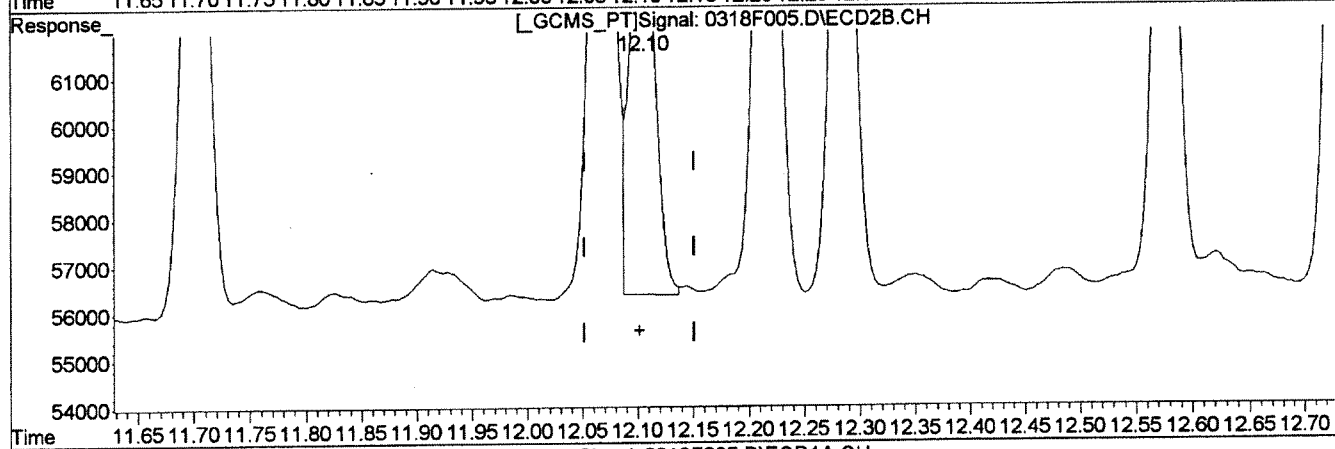
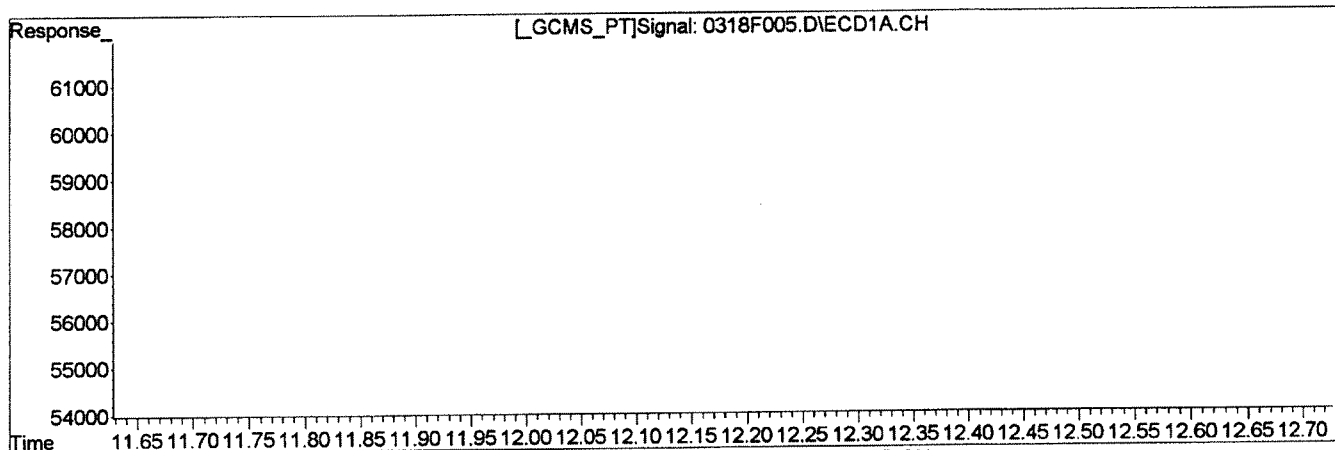
(+) = Expected Retention Time
0318F005.D GC23-031714-8081.M

Wed Mar 19 12:22:45 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
 Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
 Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 18:14:57 2014
 Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH		Manual Integration:
(25) 2,4'-DDE		After
13.19min 2.501ug/L		Baseline/Shoulder
response 34040		03/19/14
(25) 2,4'-DDE #2		
12.10min 2.715ug/L m		
response 14372		

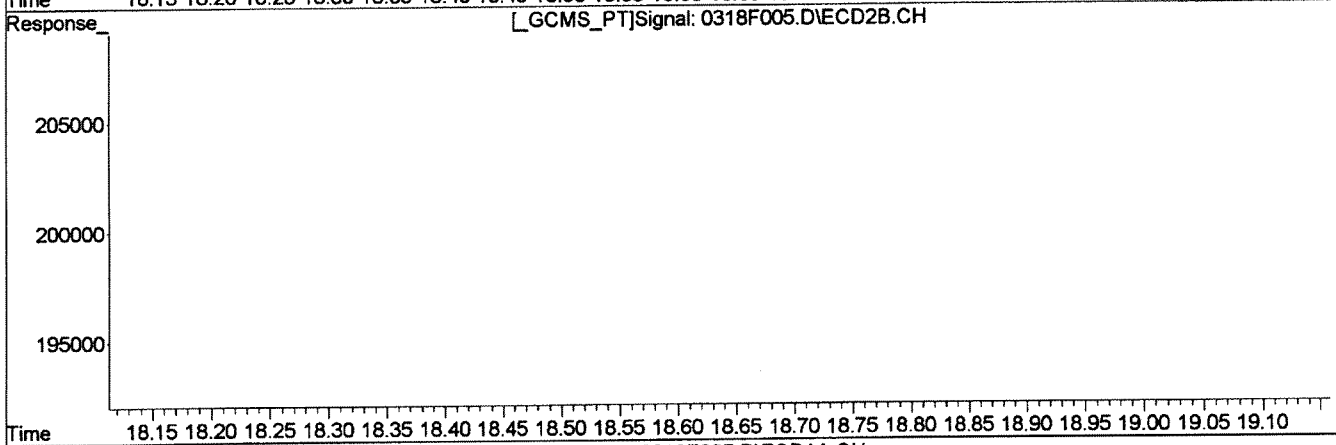
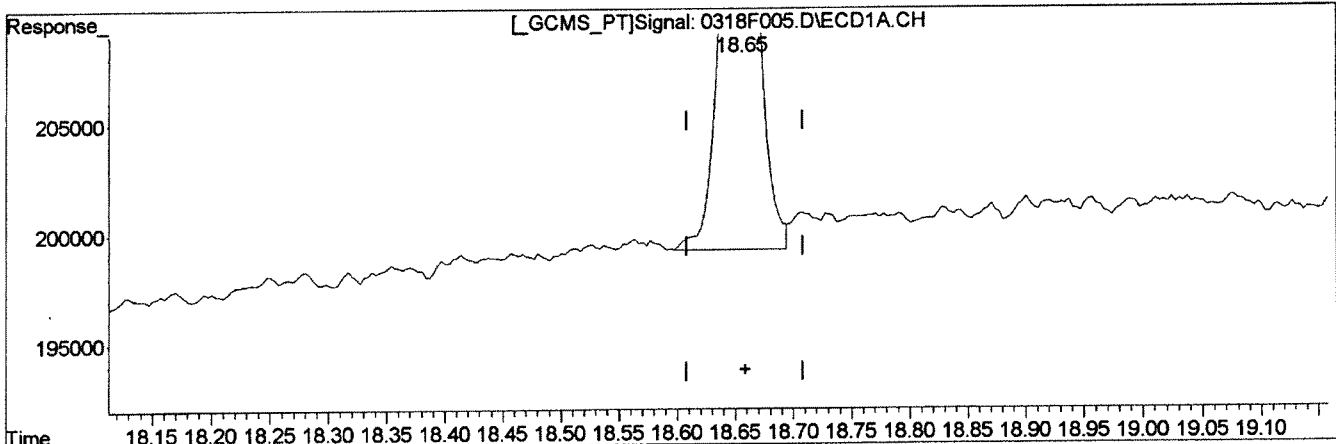
(+) = Expected Retention Time
 0318F005.D GC23-031714-8081.M

Wed Mar 19 12:22:49 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
 Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
 Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 18:14:57 2014
 Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH		Manual Integration:
(28) Decachlorobiphenyl (s)		Before
18.65min	2.537ug/L	
response	55523	
(28) Decachlorobiphenyl #2 (s)		
17.17min	2.439ug/L	
response	18794	

03/19/14

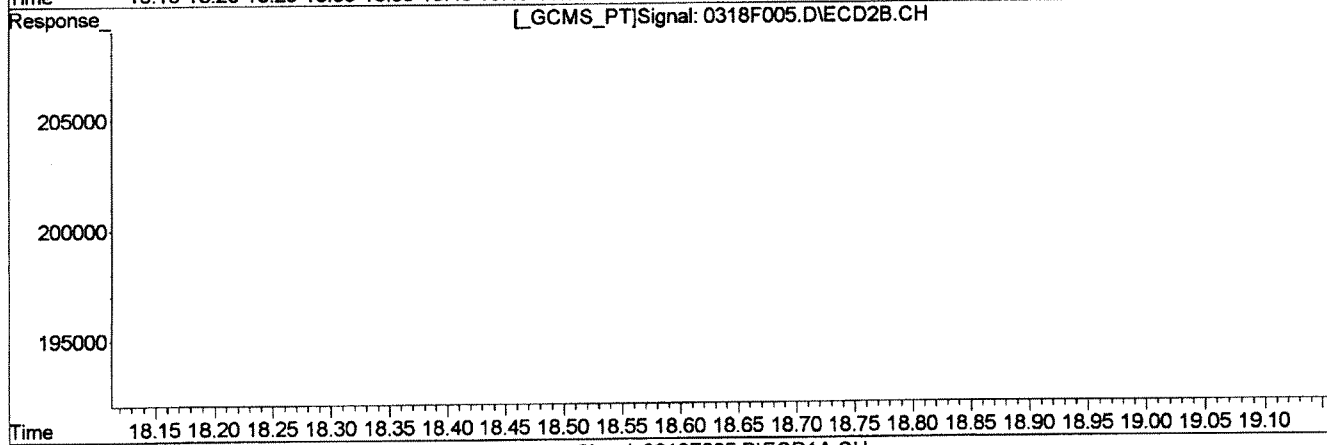
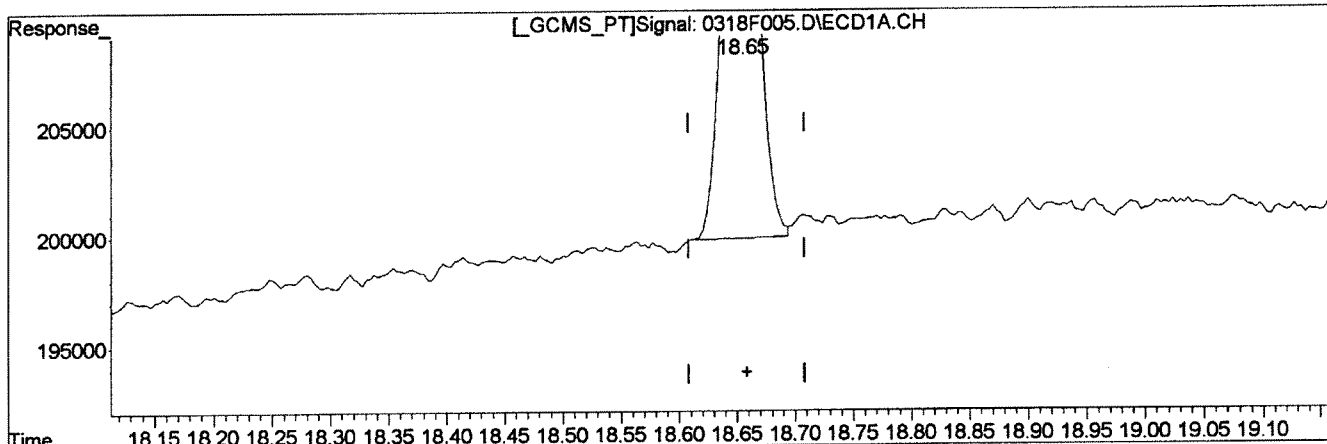
(+) = Expected Retention Time
 0318F005.D GC23-031714-8081.M

Wed Mar 19 12:22:57 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F005.D\ECD1A.CH Vial: 93
 Signal #2 : J:\GC23\DATA\031814C\0318F005.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:13 am Operator: SMURRAY
 Sample : 81/24 @ 2ppb GCPS7-77E Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 18:14:57 2014
 Response via : Multiple Level Calibration



Signal: 0318F005.D\ECD1A.CH

(28) Decachlorobiphenyl (s)	Manual Integration:
18.65min 2.352ug/L m	After
response 52164	Baseline/Shoulder
	03/19/14
(28) Decachlorobiphenyl #2 (s)	
17.17min 2.439ug/L	
response 18794	

(+) = Expected Retention Time
 0318F005.D GC23-031714-8081.M

Wed Mar 19 12:23:00 2014

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F006.D\ECD1A.CH Vial: 94
 Signal #2 : J:\GC23\DATA\031814C\0318F006.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:43 am Operator: SMURRAY
 Sample : 81/24 @ 5ppb GCPS7-77F Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:23:21 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:23:12 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

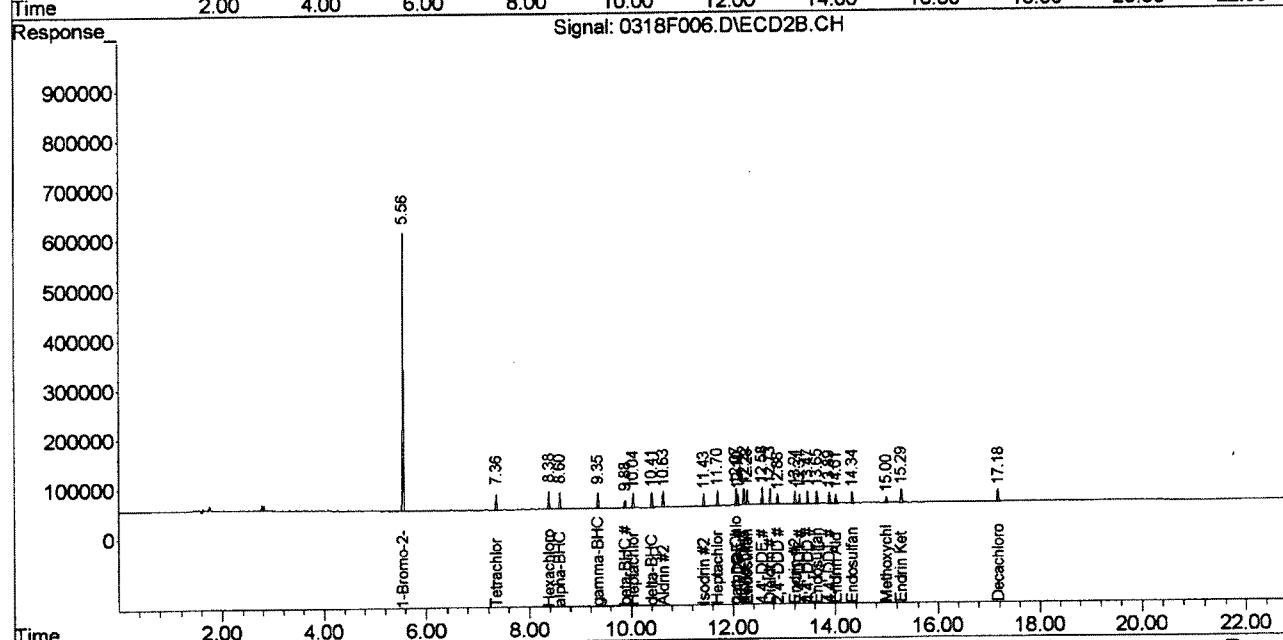
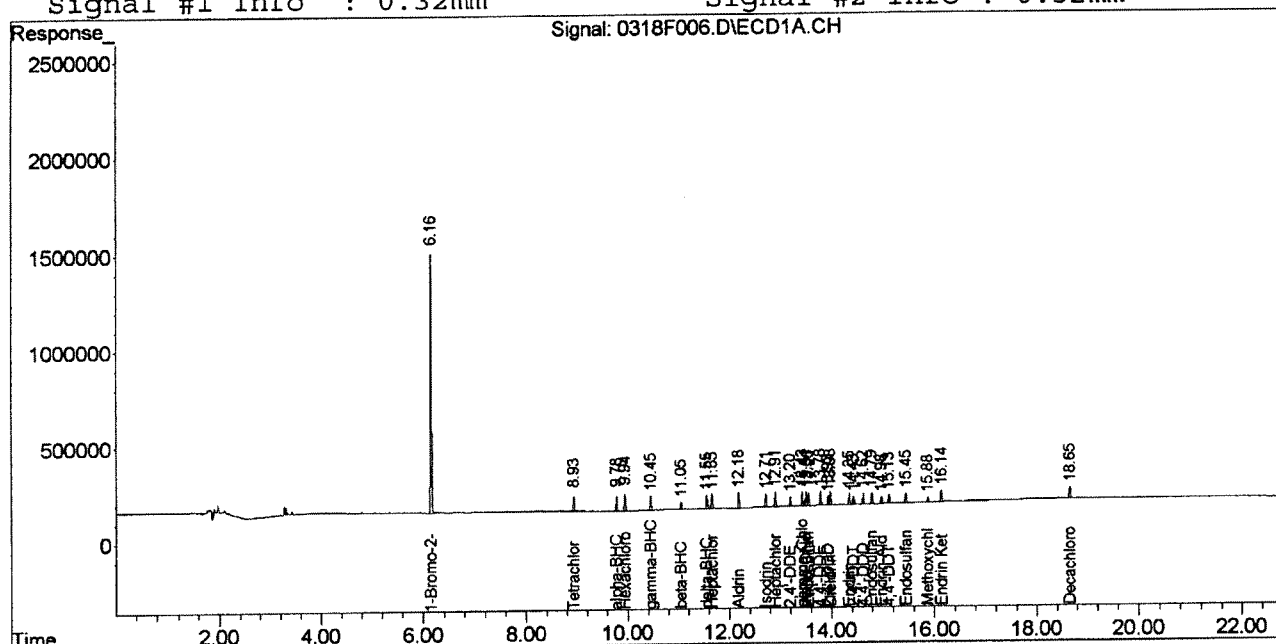
Internal Standards						
1) i 1-Bromo-2-nitrob	6.16	5.56	1861965	721653	100.000	100.000
System Monitoring Compounds						
2) s Tetrachloro-m-xy	8.93	7.36	128966	48387	5.167	5.010
28) s Decachlorobiphen	18.65	17.18	117077	42180	5.367	5.163
Target Compounds						
3) alpha-BHC	9.78	8.60	136506	52650	4.705	4.597
4) Hexachlorobenzen	9.94	8.38	160709	56784	5.294	5.092
5) beta-BHC	11.05	9.88	66899	27080	3.877	5.170 #
6) gamma-BHC (Linda)	10.45	9.35	128809	49362	4.848	4.700
7) delta-BHC	11.55	10.41	122068	49399	4.754	4.881
8) Heptachlor	11.65	10.04	131869	48960	5.405	5.103
9) Aldrin	12.18	10.63	130343	53089	5.007	4.847
10) Isodrin	12.71	11.43	112372	45987	5.100	5.098
11) Heptachlor Epoxi	12.91	11.70	122334	48799	5.165	5.086
12) gamma-Chlordane	13.43	12.07	124772	48811	5.176	4.517
13) Endosulfan I	13.56	12.28	114215	43214	5.342	4.861
14) alpha-Chlordane	13.51	12.22	124630	49210	5.209	4.864m
15) Dieldrin	13.98	12.73	117006	49294	5.153	5.038
16) 4,4'-DDE	13.78	12.58	115327	49200	4.953	4.896m
17) Endrin	14.35	13.21	103519	45055	5.366	5.553
18) Endosulfan II	14.79	13.65	100931	40252	5.252	4.913
19) 4,4'-DDD	14.62	13.47	92206	37723	4.888	4.872
20) Endrin Aldehyde	14.98	14.01	70730	31162	5.036	4.969
21) Endosulfan Sulfa	15.45	14.34	96141	36798	5.365m	4.887
22) 4,4'-DDT	15.13	13.89	79924	36479	5.068	5.138
23) Endrin Ketone	16.14	15.29	111369	46327	5.141	4.918
24) Methoxychlor	15.88	15.00	44470	18946	5.678	5.334
25) 2,4'-DDE	13.20	12.10	85363	32292	5.864	5.649
26) 2,4'-DDD	13.93	12.88	74142	29529	5.602	5.273m
27) 2,4'-DDT	14.43	13.31	73104	30598	5.503	5.164

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F006.D\ECD1A.CH Vial: 94
 Signal #2 : J:\GC23\DATA\031814C\0318F006.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:43 am Operator: SMURRAY
 Sample : 81/24 @ 5ppb GCPS7-77F Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:24 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:23:12 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

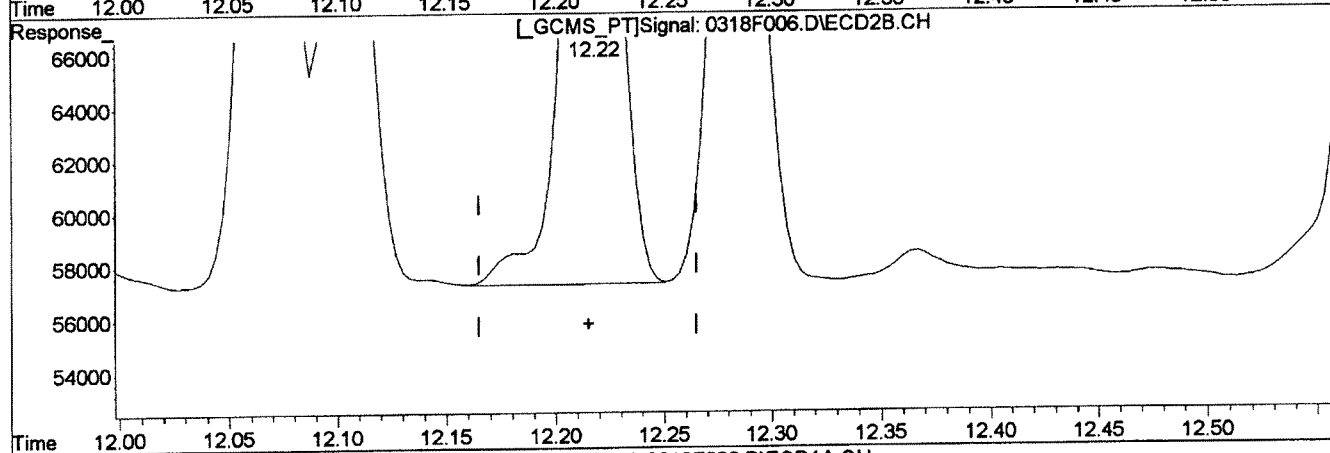
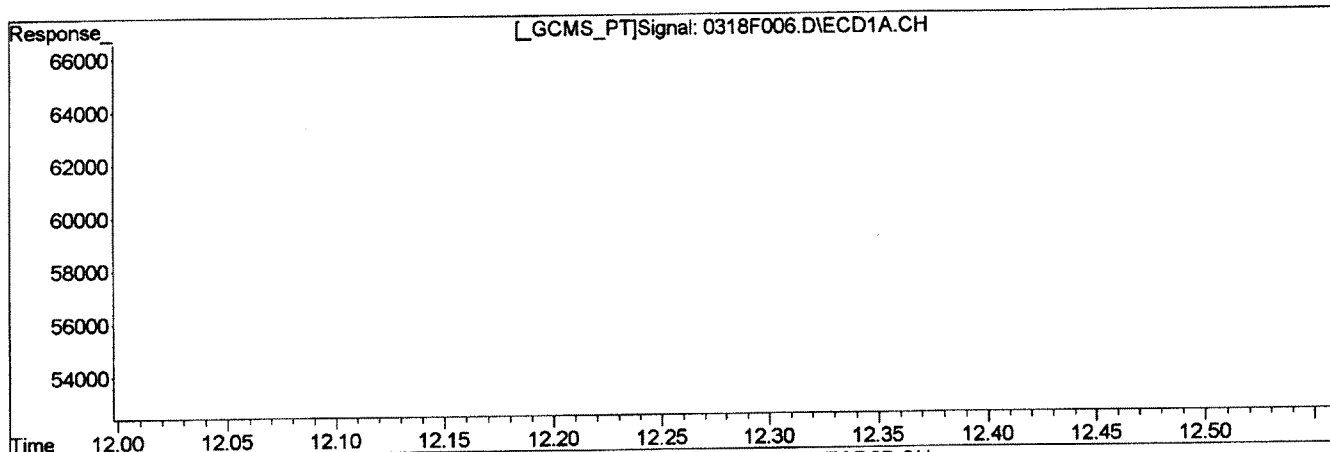
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F006.D\ECD1A.CH Vial: 94
 Signal #2 : J:\GC23\DATA\031814C\0318F006.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:43 am Operator: SMURRAY
 Sample : 81/24 @ 5ppb GCPS7-77F Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:23 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:23:12 2014
 Response via : Multiple Level Calibration



Signal: 0318F006.D\ECD1A.CH		Manual Integration:
(14) alpha-Chlordane		Before
13.51min 5.209ug/L		
response 124630		03/19/14
(14) alpha-Chlordane #2		
12.22min 5.012ug/L		
response 50712		

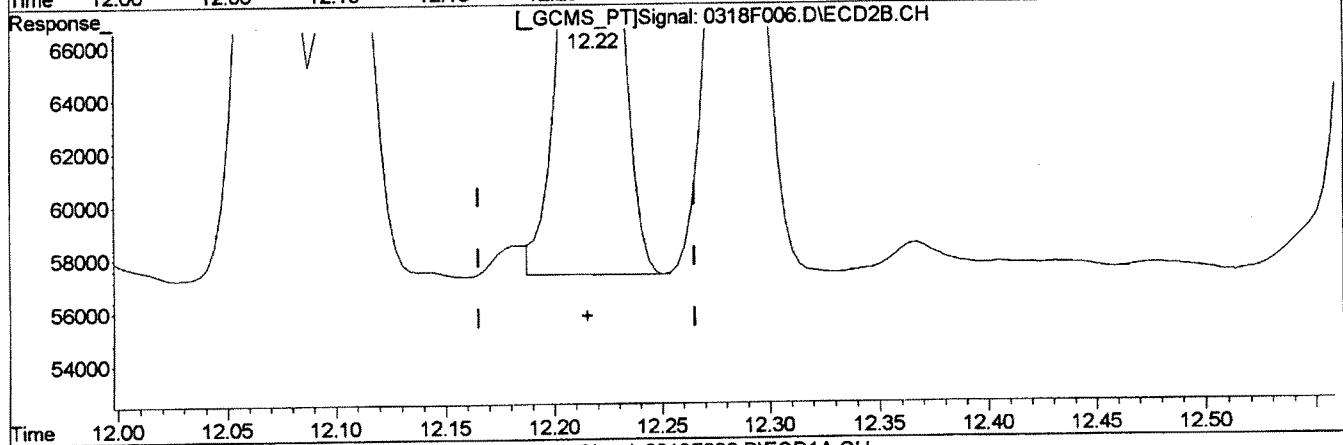
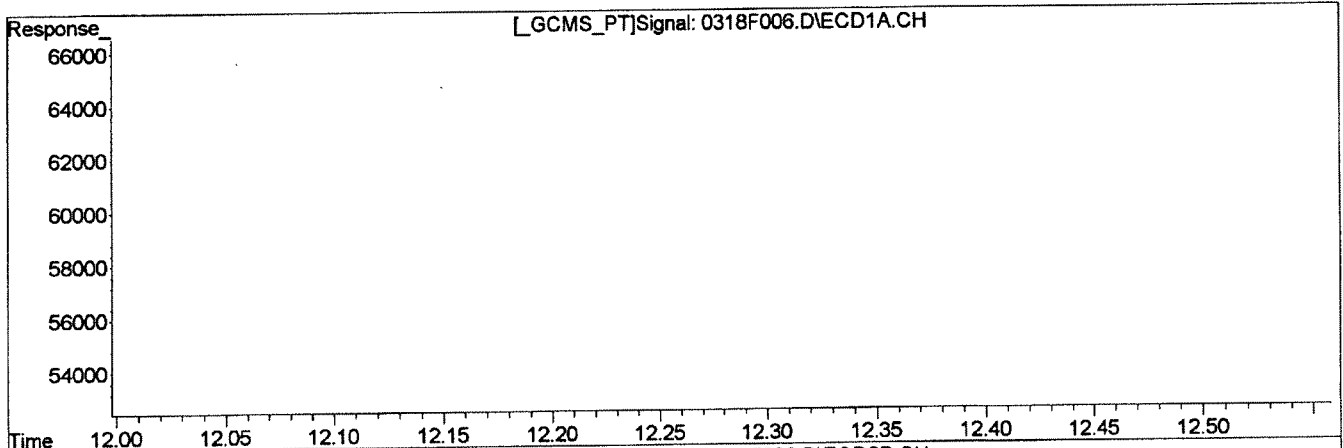
(+) = Expected Retention Time
 0318F006.D GC23-031714-8081.M

Wed Mar 19 12:23:44 2014

Quantitation Report (Qedit)

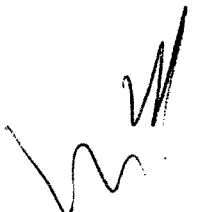
Signal #1 : J:\GC23\DATA\031814C\0318F006.D\ECD1A.CH Vial: 94
Signal #2 : J:\GC23\DATA\031814C\0318F006.D\ECD2B.CH
Acq On : 19 Mar 2014 12:43 am Operator: SMURRAY
Sample : 81/24 @ 5ppb GCPS7-77F Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:23 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 12:23:12 2014
Response via : Multiple Level Calibration



Signal: 0318F006.D\ECD1A.CH

(14) alpha-Chlordane	Manual Integration:
13.51min 5.209ug/L	After
response 124630	Baseline/Shoulder
	03/19/14
(14) alpha-Chlordane #2	
12.22min 4.864ug/L m	
response 49210	



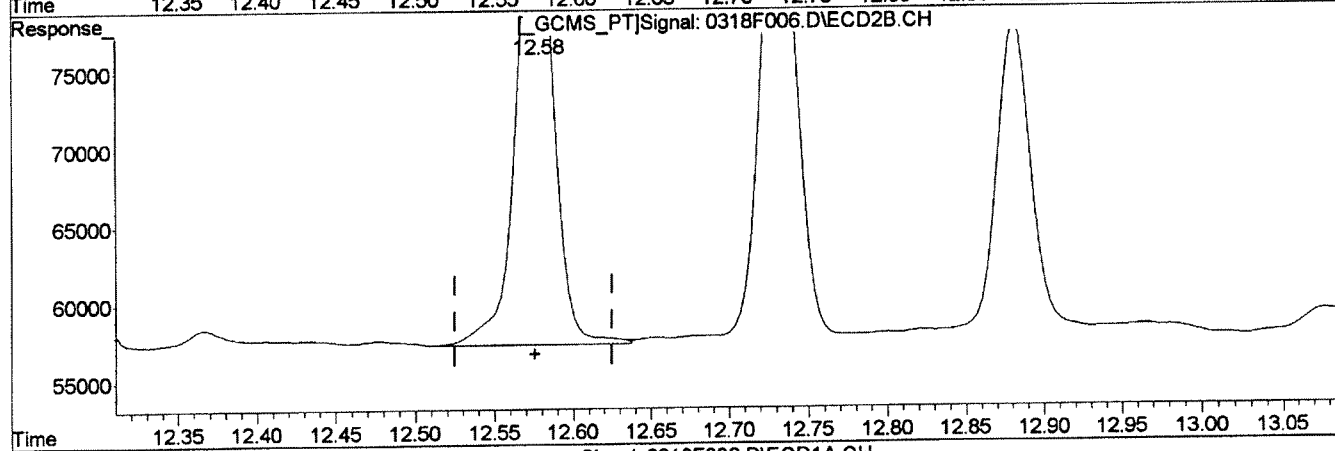
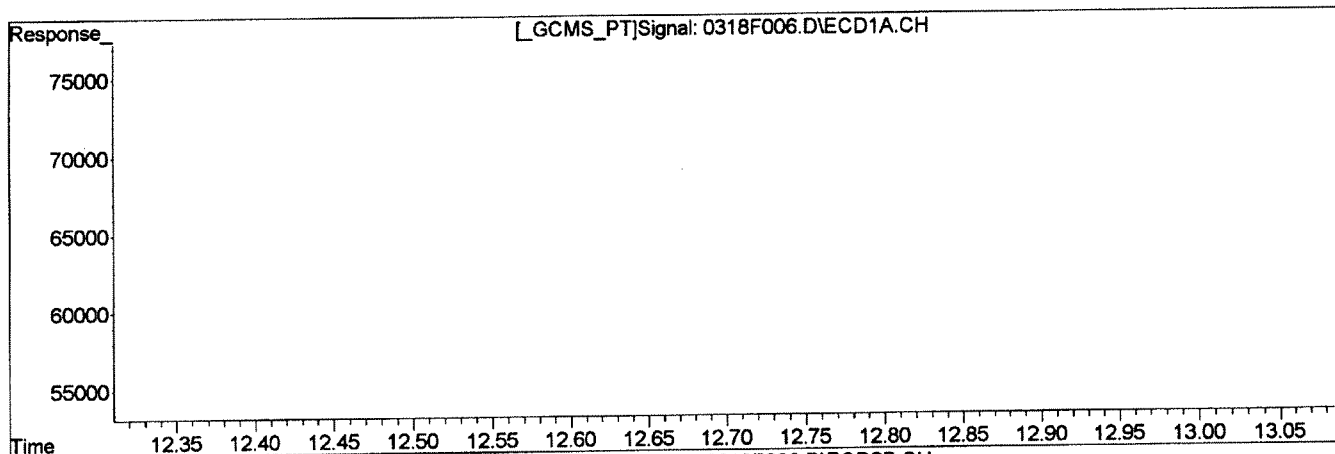
(+) = Expected Retention Time
0318F006.D GC23-031714-8081.M

Wed Mar 19 12:23:48 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F006.D\ECD1A.CH Vial: 94
 Signal #2 : J:\GC23\DATA\031814C\0318F006.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:43 am Operator: SMURRAY
 Sample : 81/24 @ 5ppb GCPS7-77F Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:23 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:23:12 2014
 Response via : Multiple Level Calibration



Signal: 0318F006.D\ECD1A.CH

(16) 4,4'-DDE	Manual Integration:
13.78min 4.953ug/L	Before
response 115327	03/19/14
(16) 4,4'-DDE #2	
12.58min 5.149ug/L	
response 51744	

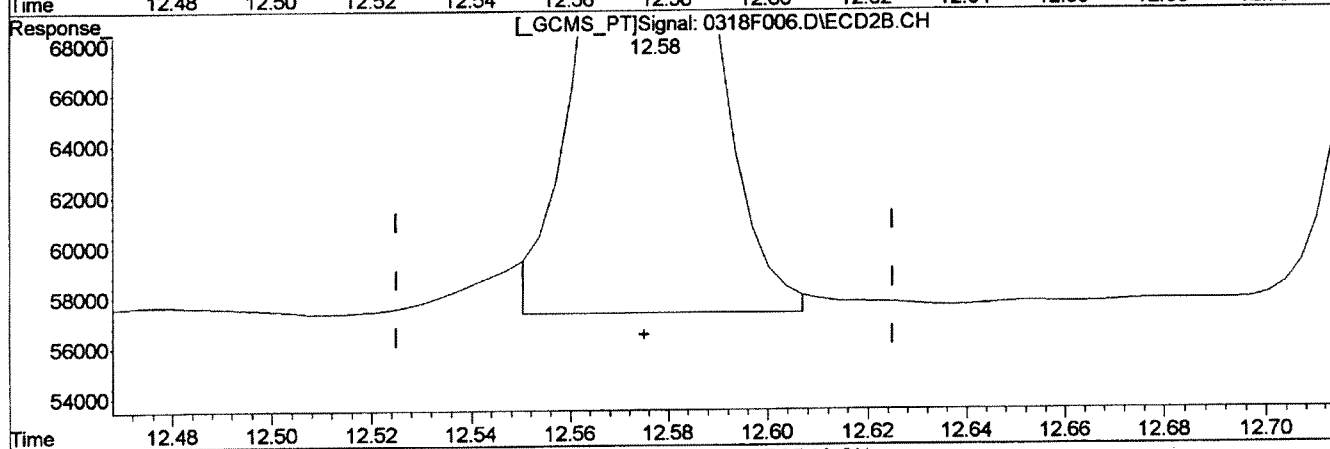
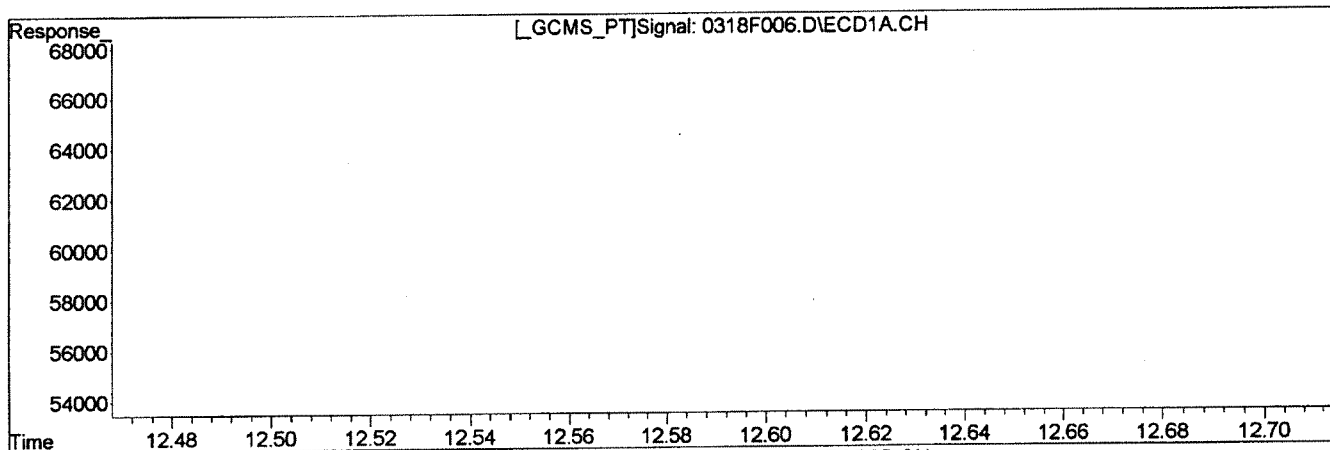
(+) = Expected Retention Time
 0318F006.D GC23-031714-8081.M

Wed Mar 19 12:23:51 2014


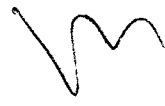
Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F006.D\ECD1A.CH Vial: 94
 Signal #2 : J:\GC23\DATA\031814C\0318F006.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:43 am Operator: SMURRAY
 Sample : 81/24 @ 5ppb GCPS7-77F Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:23 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:23:12 2014
 Response via : Multiple Level Calibration



Signal: 0318F006.D\ECD1A.CH

(16) 4,4'-DDE	Manual Integration:
13.78min 4.953ug/L	After
response 115327	Baseline/Shoulder
	03/19/14
(16) 4,4'-DDE #2	
12.58min 4.896ug/L m	
response 49200	

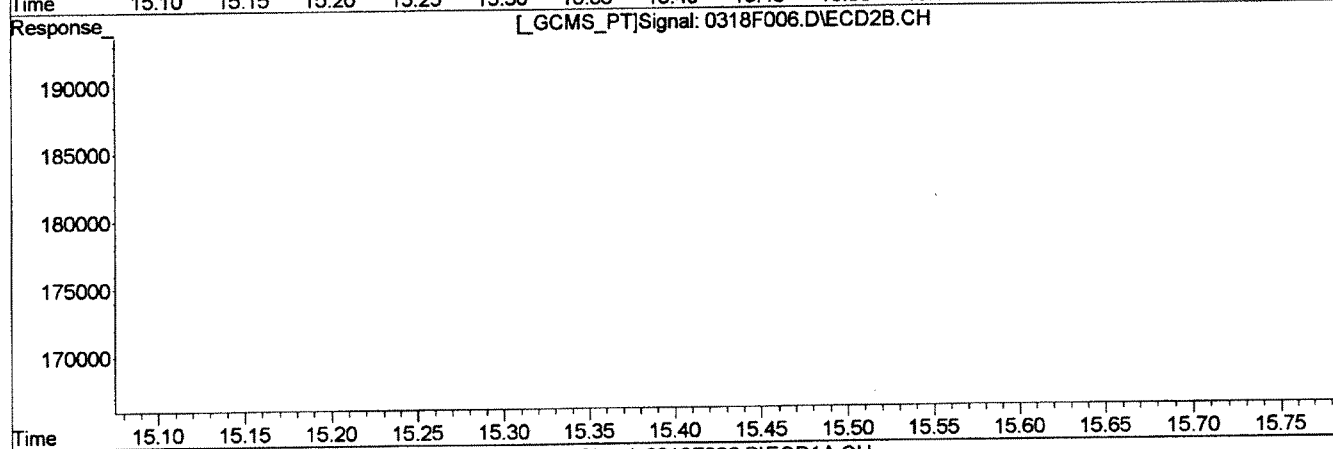
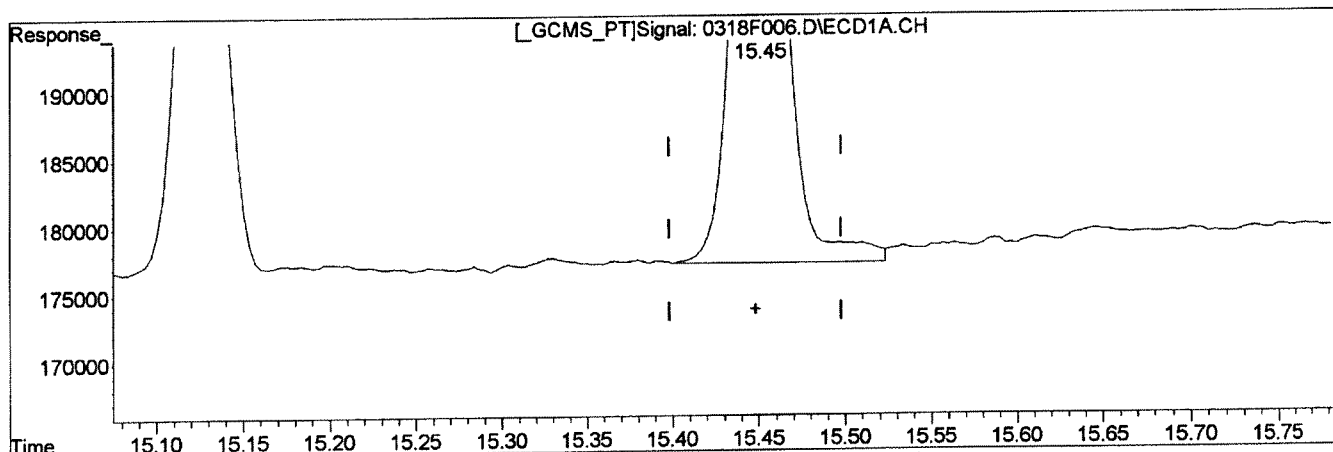
(+) = Expected Retention Time
 0318F006.D GC23-031714-8081.M

Wed Mar 19 12:23:56 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F006.D\ECD1A.CH Vial: 94
 Signal #2 : J:\GC23\DATA\031814C\0318F006.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:43 am Operator: SMURRAY
 Sample : 81/24 @ 5ppb GCPS7-77F Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:23 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:23:12 2014
 Response via : Multiple Level Calibration



Signal: 0318F006.D\ECD1A.CH		Manual Integration:
(21) Endosulfan Sulfate		Before
15.45min	5.528ug/L	
response	99054	03/19/14
(21) Endosulfan Sulfate #2		
14.34min	4.887ug/L	
response	36798	

Handwritten signature

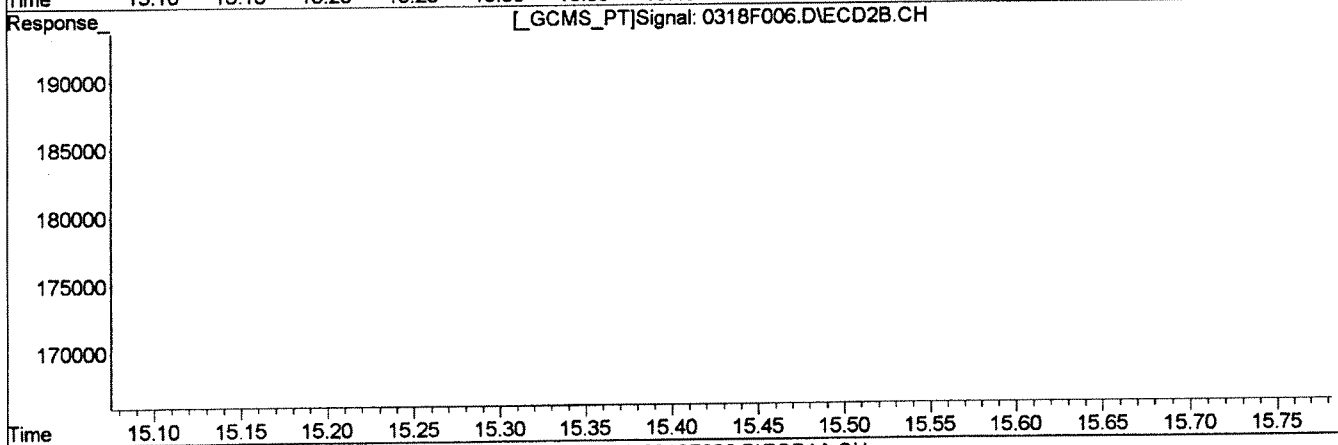
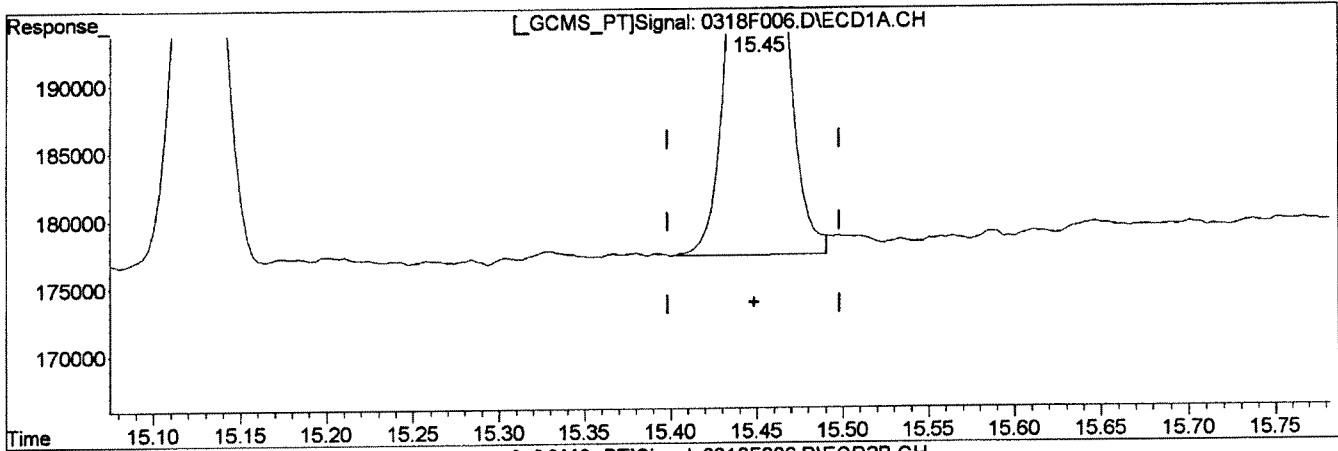
(+) = Expected Retention Time
 0318F006.D GC23-031714-8081.M

Wed Mar 19 12:24:03 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F006.D\ECD1A.CH Vial: 94
Signal #2 : J:\GC23\DATA\031814C\0318F006.D\ECD2B.CH
Acq On : 19 Mar 2014 12:43 am Operator: SMURRAY
Sample : 81/24 @ 5ppb GCPS7-77F Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:23 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 12:23:12 2014
Response via : Multiple Level Calibration



Signal: 0318F006.D\ECD1A.CH

(21) Endosulfan Sulfate	Manual Integration:
15.45min 5.365ug/L m	After
response 96141	Baseline/Shoulder
	03/19/14
(21) Endosulfan Sulfate #2	
14.34min 4.887ug/L	
response 36798	

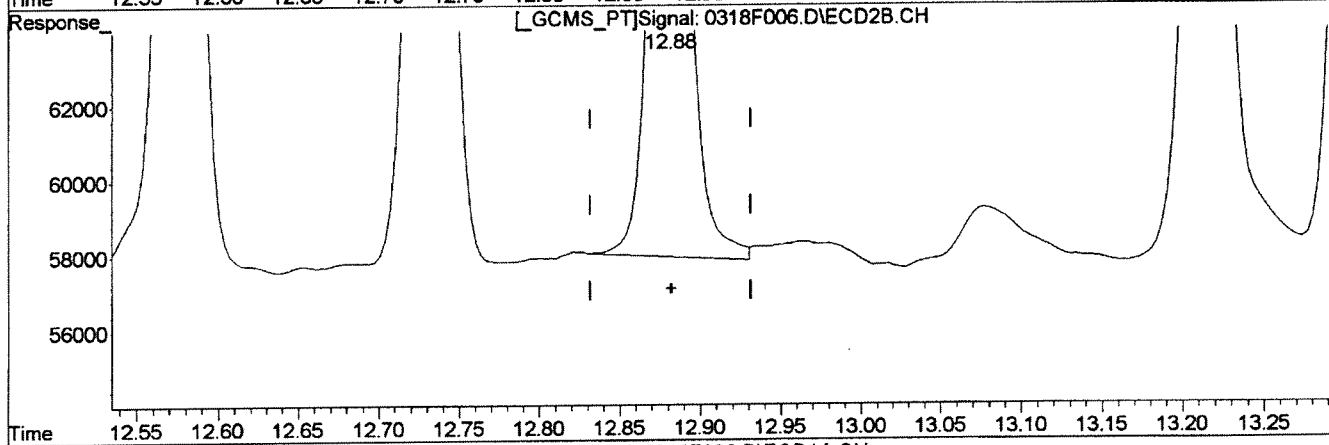
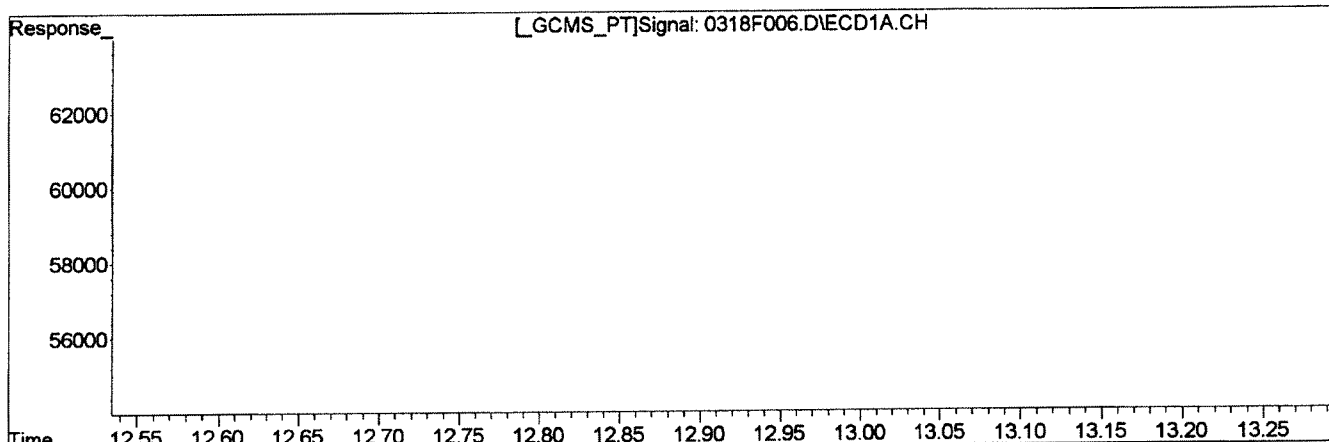
(+) = Expected Retention Time
0318F006.D GC23-031714-8081.M

Wed Mar 19 12:24:05 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F006.D\ECD1A.CH Vial: 94
 Signal #2 : J:\GC23\DATA\031814C\0318F006.D\ECD2B.CH
 Acq On : 19 Mar 2014 12:43 am Operator: SMURRAY
 Sample : 81/24 @ 5ppb GCPS7-77F Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:23 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:23:12 2014
 Response via : Multiple Level Calibration



Signal: 0318F006.D\ECD1A.CH		Manual Integration:
(26) 2,4'-DDD		Before
13.93min 5.602ug/L		
response 74142		03/19/14
(26) 2,4'-DDD #2		
12.88min 5.435ug/L		
response 30435		

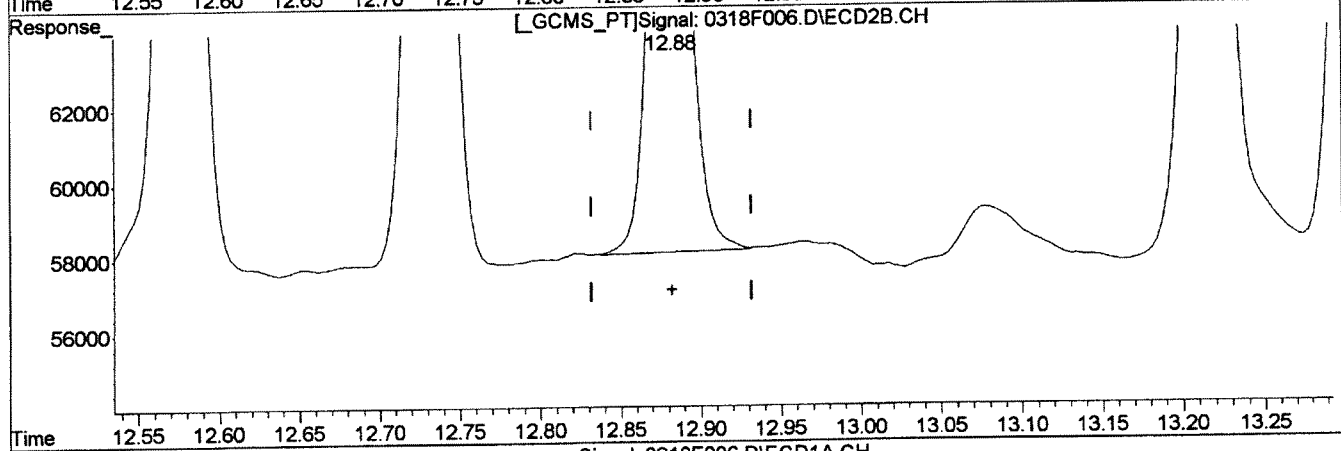
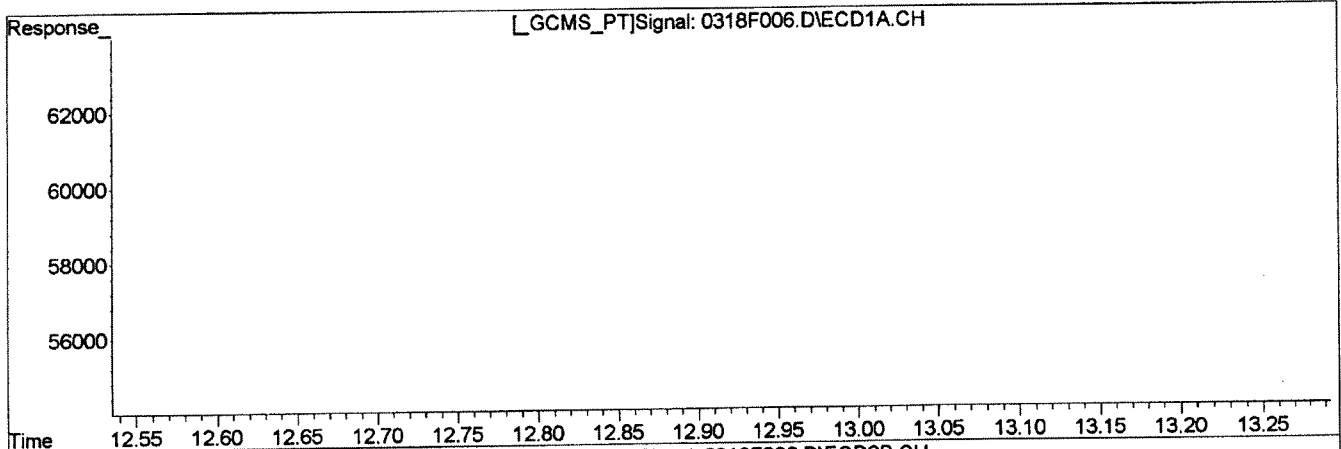
(+) = Expected Retention Time
 0318F006.D GC23-031714-8081.M

Wed Mar 19 12:24:14 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F006.D\ECD1A.CH Vial: 94
Signal #2 : J:\GC23\DATA\031814C\0318F006.D\ECD2B.CH
Acq On : 19 Mar 2014 12:43 am Operator: SMURRAY
Sample : 81/24 @ 5ppb GCPS7-77F Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:23 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 12:23:12 2014
Response via : Multiple Level Calibration



Signal: 0318F006.D\ECD1A.CH		Manual Integration:
(26) 2,4'-DDD		After
13.93min 5.602ug/L		Baseline/Shoulder
response 74142		03/19/14
(26) 2,4'-DDD #2		
12.88min 5.273ug/L.m		
response 29529		

(+) = Expected Retention Time
0318F006.D GC23-031714-8081.M

Wed Mar 19 12:24:17 2014

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F007.D\ECD1A.CH Vial: 95
 Signal #2 : J:\GC23\DATA\031814C\0318F007.D\ECD2B.CH
 Acq On : 19 Mar 2014 1:12 am Operator: SMURRAY
 Sample : 81/24 @ 20ppb GCPS7-77G Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:24:39 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:24:32 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Internal Standards						
1) i 1-Bromo-2-nitrob	6.16	5.55	1880080	726921	100.000	100.000
System Monitoring Compounds						
2) s Tetrachloro-m-xy	8.93	7.36	470030	186615	21.240	19.316
28) s Decachlorobiphen	18.65	17.18	438848	163939	22.162	19.888
Target Compounds						
3) alpha-BHC	9.78	8.60	523250	216914	17.824	18.801
4) Hexachlorobenzen	9.94	8.38	552425	216251	21.127	19.393
5) beta-BHC	11.05	9.88	243966	100819	20.598	19.095
6) gamma-BHC (Linda	10.45	9.35	486152	200165	18.091	18.930
7) delta-BHC	11.55	10.41	470264	193438	18.086	18.771
8) Heptachlor	11.65	10.04	481741	191389	19.211	19.599
9) Aldrin	12.18	10.63	496294	213203	18.826	19.390
10) Isodrin	12.71	11.43	419891	176229	18.921	19.356
11) Heptachlor Epoxi	12.90	11.70	456579	187708	18.920	19.355
12) gamma-Chlordane	13.43	12.07	460790	192703	18.826	17.943
13) Endosulfan I	13.56	12.28	408295	170013	18.729	19.117
14) alpha-Chlordane	13.50	12.22	459901	191708	18.959	18.912
15) Dieldrin	13.98	12.73	438075	188415	18.930	18.967
16) 4,4'-DDE	13.78	12.58	446643	191140	18.939	18.925
17) Endrin	14.35	13.21	388772	163981	19.566	19.630
18) Endosulfan II	14.79	13.65	377530	155742	19.102	18.879
19) 4,4'-DDD	14.62	13.47	360970	148512	18.886	19.096
20) Endrin Aldehyde	14.97	14.01	266326	117980	18.641	18.662
21) Endosulfan Sulfa	15.45	14.34	349600	144911	18.868	19.136
22) 4,4'-DDT	15.13	13.89	334919	140594	20.444m	19.293
23) Endrin Ketone	16.14	15.29	425855	181739	19.223	19.183
24) Methoxychlor	15.87	15.00	180844	75982	21.952	21.008
25) 2,4'-DDE	13.19	12.10	301008	124615	20.143	21.378
26) 2,4'-DDD	13.93	12.88	279096	112641	20.616	19.998
27) 2,4'-DDT	14.43	13.30	289837	121094	21.182	20.346

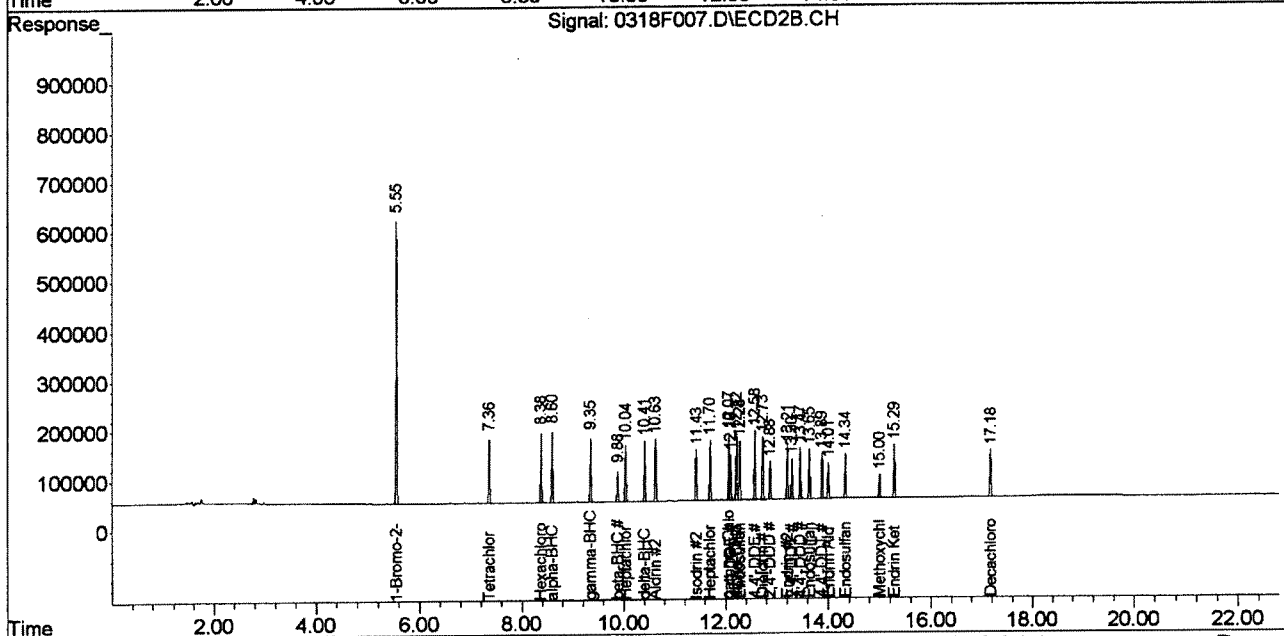
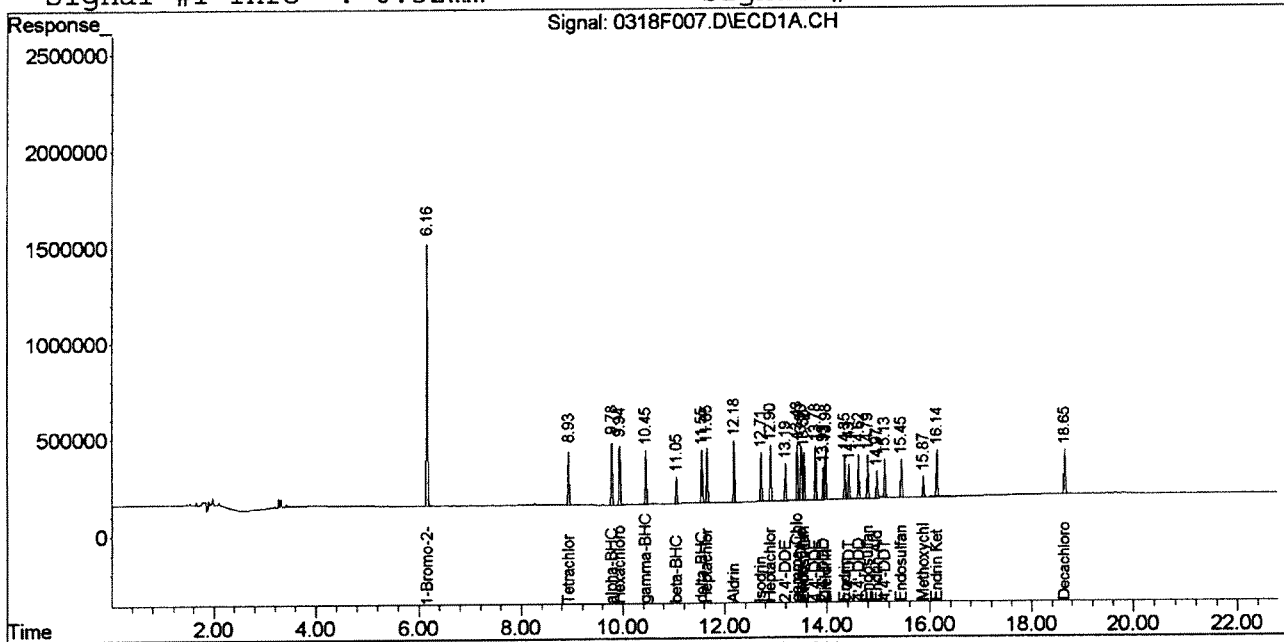
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 0318F007.D GC23-031714-8081.M Wed Mar 19 12:44:06 2014 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F007.D\ECD1A.CH Vial: 95
 Signal #2 : J:\GC23\DATA\031814C\0318F007.D\ECD2B.CH
 Acq On : 19 Mar 2014 1:12 am Operator: SMURRAY
 Sample : 81/24 @ 20ppb GCPS7-77G Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:25 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:24:32 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

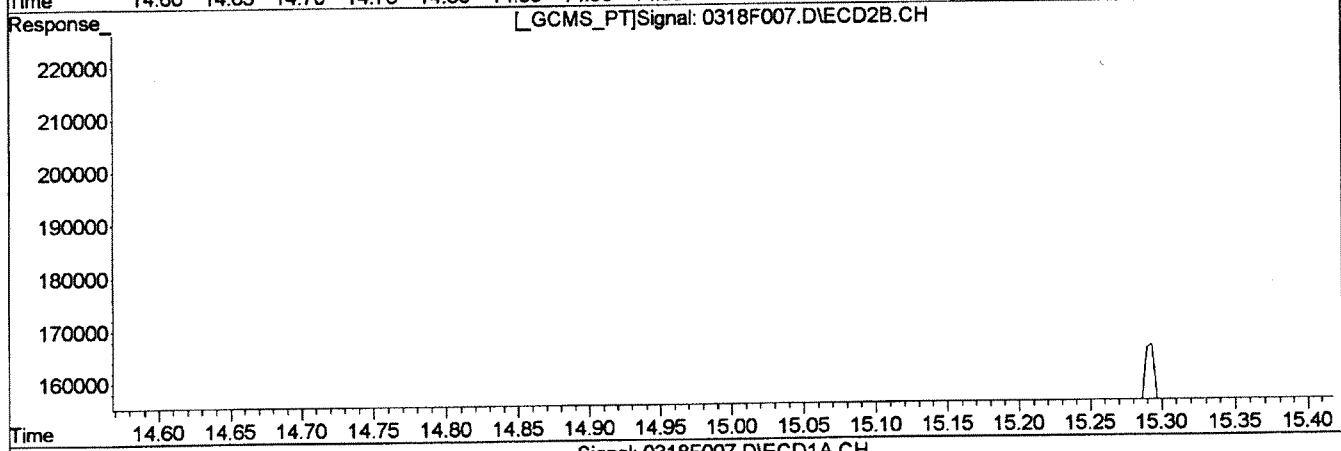
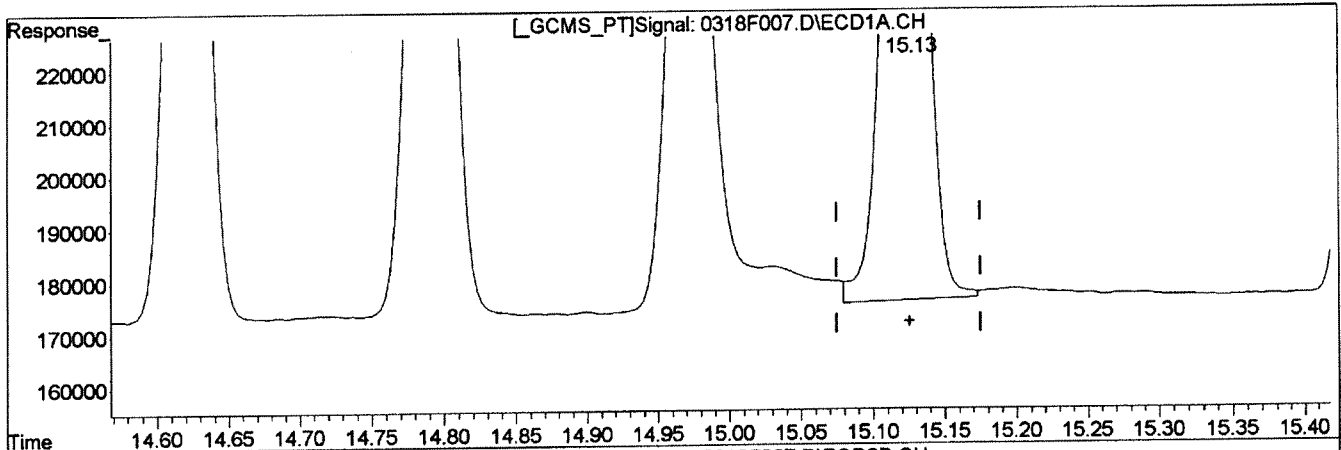
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F007.D\ECD1A.CH Vial: 95
 Signal #2 : J:\GC23\DATA\031814C\0318F007.D\ECD2B.CH
 Acq On : 19 Mar 2014 1:12 am Operator: SMURRAY
 Sample : 81/24 @ 20ppb GCPS7-77G Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:24 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:24:32 2014
 Response via : Multiple Level Calibration



Signal: 0318F007.D\ECD1A.CH

(22) 4,4'-DDT	Manual Integration:
15.13min 20.952ug/L	Before
response 343245	
(22) 4,4'-DDT #2	03/19/14
13.89min 19.293ug/L	<i>[Signature]</i>
response 140594	<i>[Signature]</i>

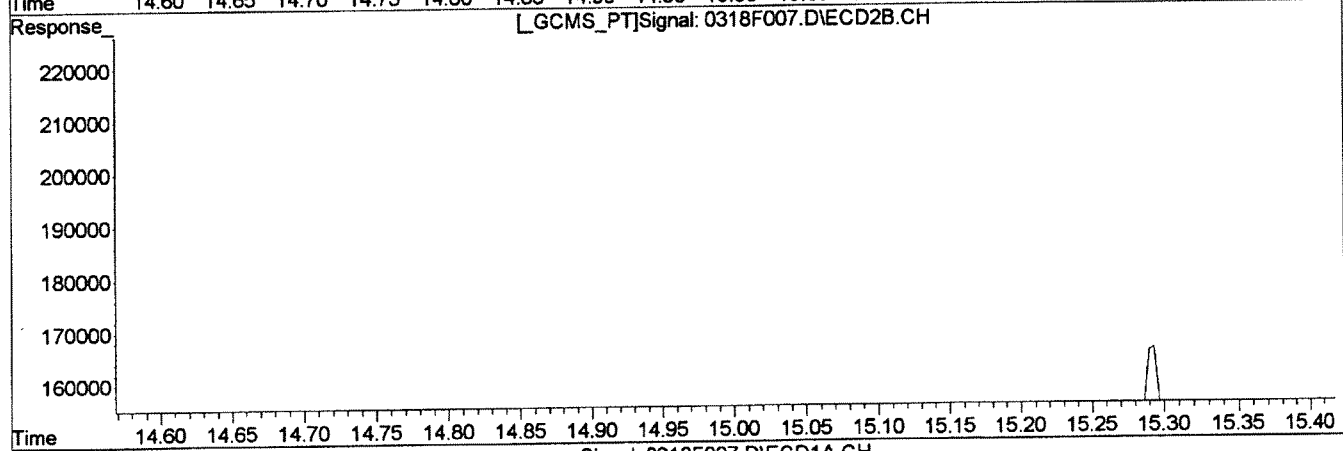
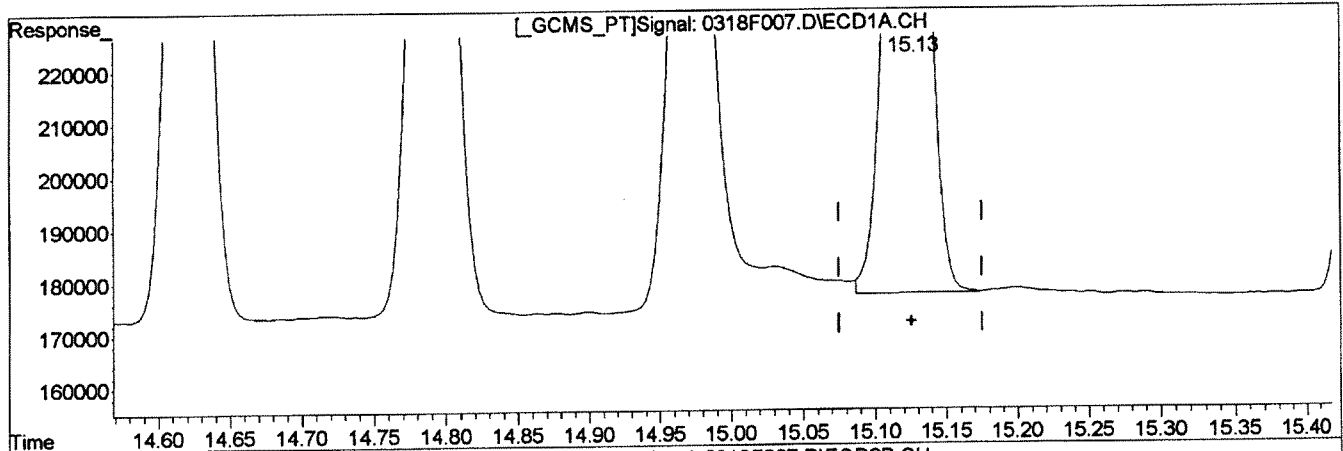
(+) = Expected Retention Time
 0318F007.D GC23-031714-8081.M

Wed Mar 19 12:25:05 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F007.D\ECD1A.CH Vial: 95
 Signal #2 : J:\GC23\DATA\031814C\0318F007.D\ECD2B.CH
 Acq On : 19 Mar 2014 1:12 am Operator: SMURRAY
 Sample : 81/24 @ 20ppb GCPS7-77G Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:24 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:24:32 2014
 Response via : Multiple Level Calibration



Signal: 0318F007.D\ECD1A.CH		Manual Integration:
(22) 4,4'-DDT		After
15.13min	20.444ug/L m	Baseline/Shoulder
response	334919	03/19/14
(22) 4,4'-DDT #2		
13.89min	19.293ug/L	
response	140594	

(+) = Expected Retention Time
 0318F007.D GC23-031714-8081.M Wed Mar 19 12:25:08 2014

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F008.D\ECD1A.CH Vial: 96
 Signal #2 : J:\GC23\DATA\031814C\0318F008.D\ECD2B.CH
 Acq On : 19 Mar 2014 1:41 am Operator: SMURRAY
 Sample : 81/24 @ 50ppb GCPS7-80J Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:25:25 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:25:19 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

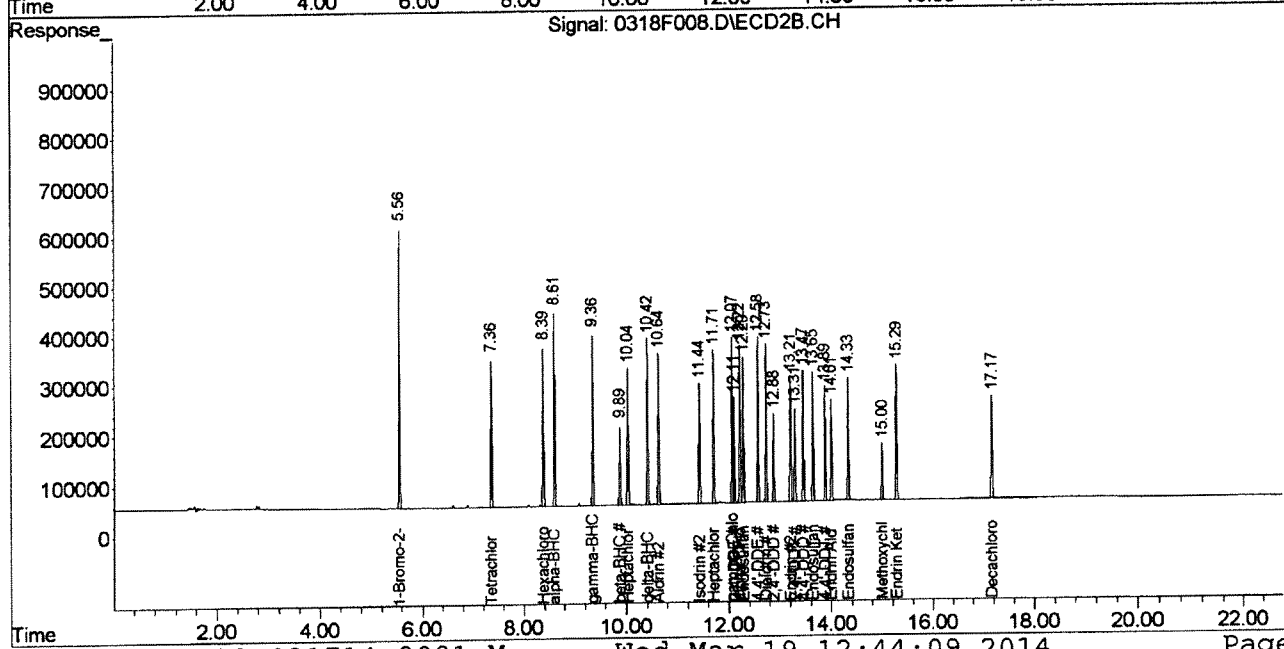
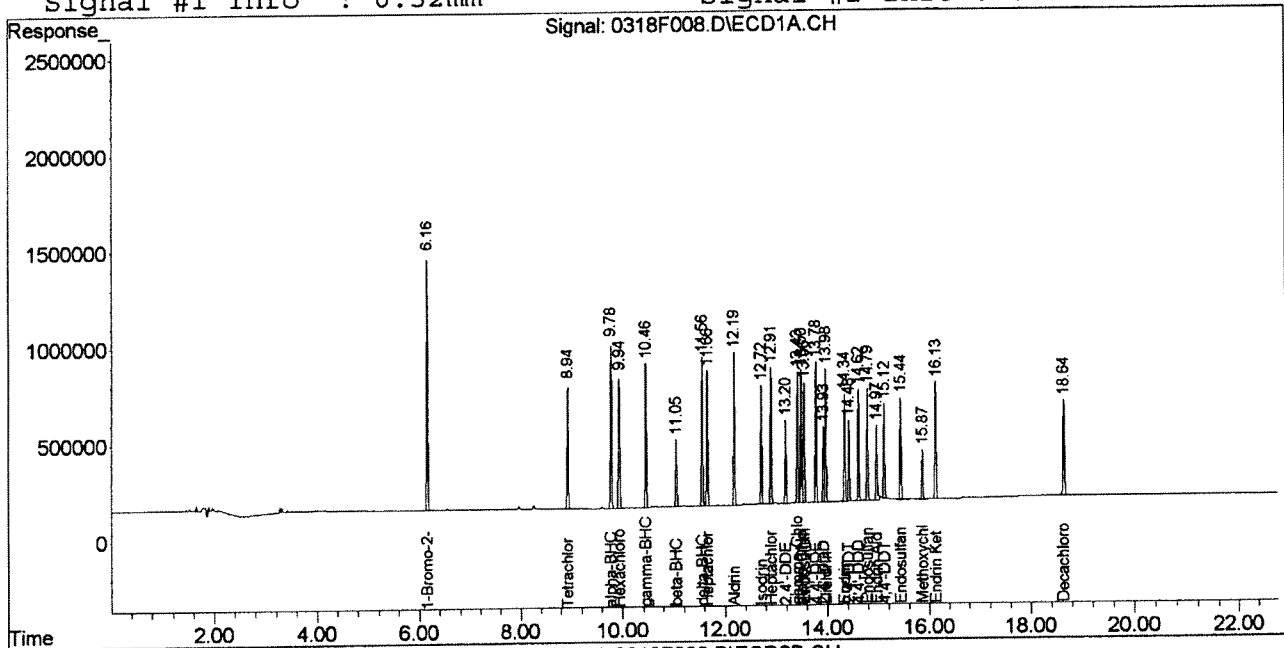
Internal Standards							
1)	i 1-Bromo-2-nitrob	6.16	5.56	1846346	716033	100.000	100.000
System Monitoring Compounds							
2)	s Tetrachloro-m-xy	8.94	7.36	1074668	435622	50.585	46.008
28)	s Decachlorobiphen	18.64	17.17	965298	366556	50.729	45.374
Target Compounds							
3)	alpha-BHC	9.78	8.61	1383880	577582	48.072	50.876
4)	Hexachlorobenzen	9.94	8.39	1231155	495537	49.571	45.287
5)	beta-BHC	11.05	9.89	613710	257219	56.230	49.520
6)	gamma-BHC (Linda	10.46	9.36	1267173	527310	47.988	50.593
7)	delta-BHC	11.56	10.42	1272096	530087	49.727	52.084
8)	Heptachlor	11.66	10.04	1161626	459599	46.702	47.549
9)	Aldrin	12.19	10.64	1193627	516189	46.043	47.725
10)	Isodrin	12.72	11.44	986813	418538	45.358	46.710
11)	Heptachlor Epoxi	12.91	11.71	1112545	459856	46.844	48.064
12)	gamma-Chlordane	13.43	12.07	1114716	484107	46.251	46.172
13)	Endosulfan I	13.56	12.29	1005746	424861	46.888	48.590
14)	alpha-Chlordane	13.50	12.22	1102381	462981	46.191	46.563
15)	Dieldrin	13.98	12.73	1099461	464450	48.089	47.401
16)	4,4'-DDE	13.78	12.58	1086612	466511	46.822	47.151
17)	Endrin	14.34	13.21	940735	395648	47.696	47.682
18)	Endosulfan II	14.79	13.65	977663	404113	49.791	49.807
19)	4,4'-DDD	14.62	13.47	916816	376338	48.612	49.252
20)	Endrin Aldehyde	14.97	14.01	705750	318329	50.054	51.056m
21)	Endosulfan Sulfa	15.44	14.33	936048	388810	50.774	51.963
22)	4,4'-DDT	15.12	13.89	813298	340363	49.503m	47.105
23)	Endrin Ketone	16.13	15.29	1103969	461524	50.195	49.485
24)	Methoxychlor	15.87	15.00	444054	178522	52.757	49.231
25)	2,4'-DDE	13.20	12.11	700306	283191	47.708	49.221
26)	2,4'-DDD	13.93	12.88	631673	261078	47.370	47.209
27)	2,4'-DDT	14.43	13.31	683960	283822	49.971	48.326

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F008.D\ECD1A.CH Vial: 96
 Signal #2 : J:\GC23\DATA\031814C\0318F008.D\ECD2B.CH
 Acq On : 19 Mar 2014 1:41 am Operator: SMURRAY
 Sample : 81/24 @ 50ppb GCPS7-80J Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:25 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:25:19 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

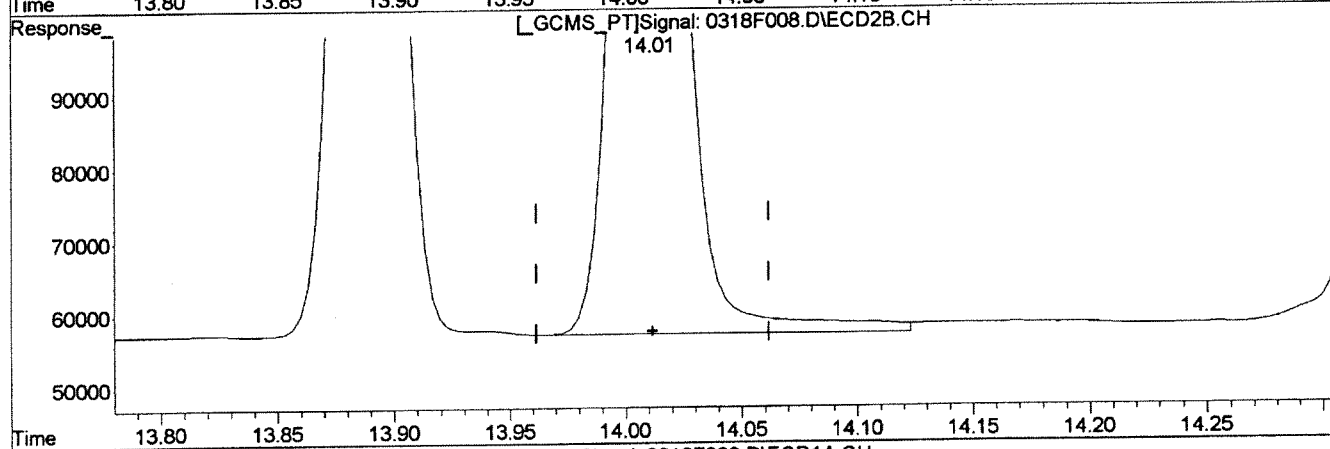
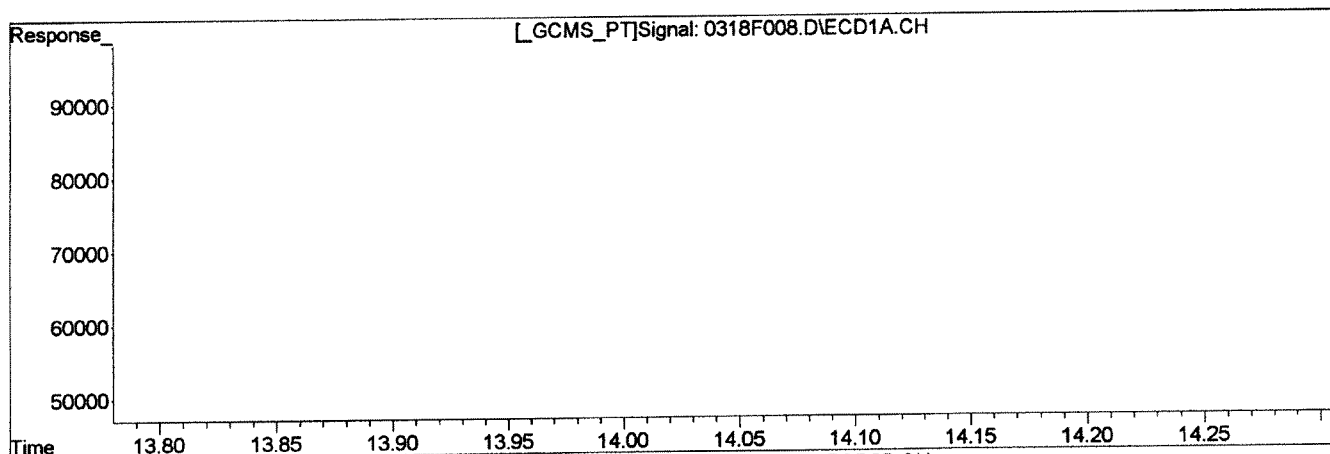
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F008.D\ECD1A.CH Vial: 96
Signal #2 : J:\GC23\DATA\031814C\0318F008.D\ECD2B.CH
Acq On : 19 Mar 2014 1:41 am Operator: SMURRAY
Sample : 81/24 @ 50ppb GCPS7-80J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:25 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 12:25:19 2014
Response via : Multiple Level Calibration



Signal: 0318F008.D\ECD1A.CH

Retention Time	Concentration	Response
(20) Endrin Aldehyde	50.054ug/L	705750
(20) Endrin Aldehyde #2	52.050ug/L	324527

Manual Integration:
Before

03/19/14

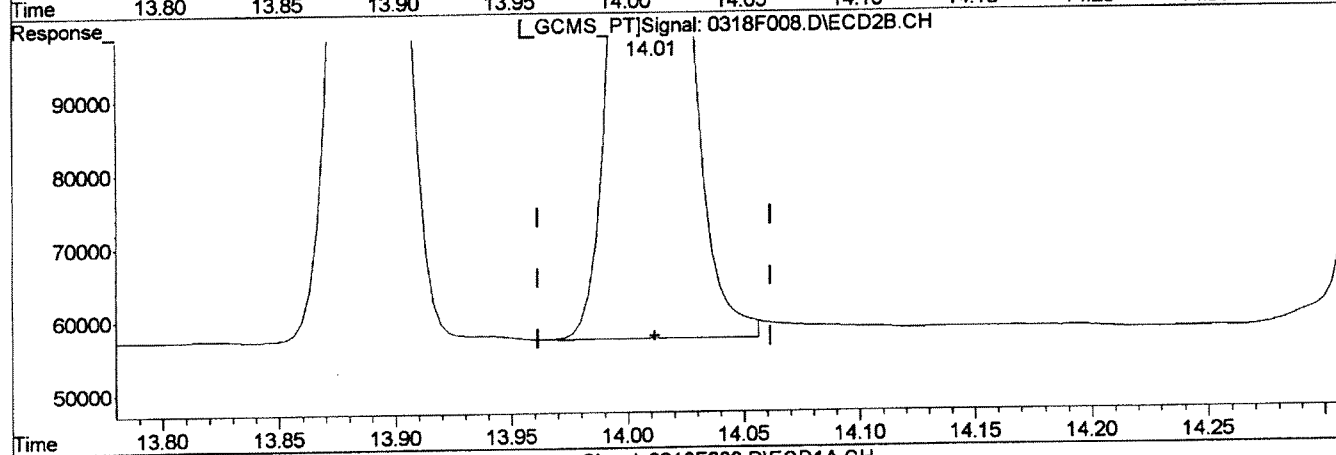
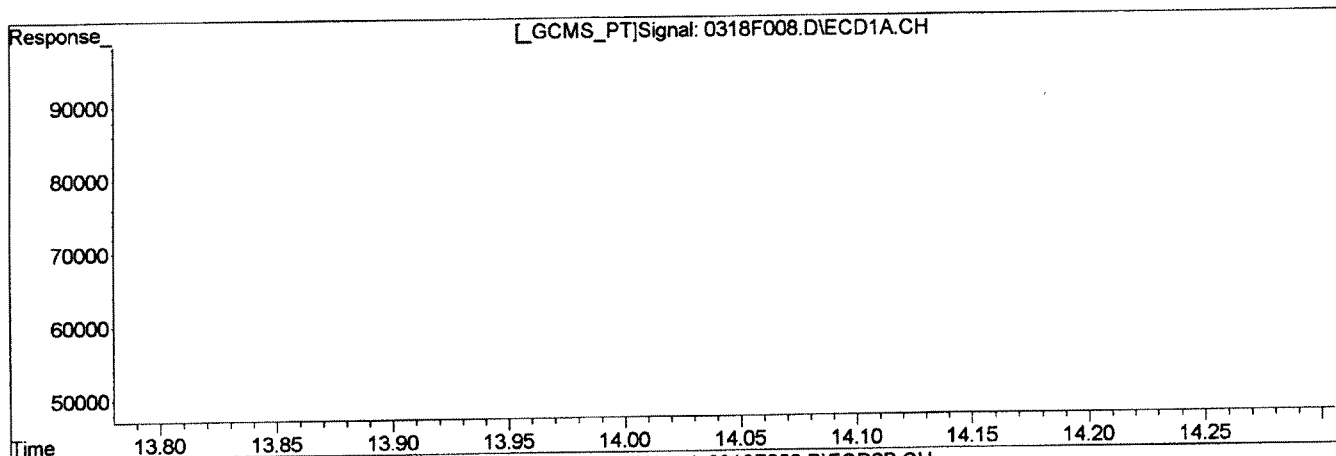
(+) = Expected Retention Time
0318F008.D GC23-031714-8081.M

Wed Mar 19 12:25:45 2014

Quantitation Report (Qedit)

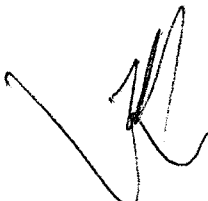
Signal #1 : J:\GC23\DATA\031814C\0318F008.D\ECD1A.CH Vial: 96
Signal #2 : J:\GC23\DATA\031814C\0318F008.D\ECD2B.CH
Acq On : 19 Mar 2014 1:41 am Operator: SMURRAY
Sample : 81/24 @ 50ppb GCPS7-80J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:25 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 12:25:19 2014
Response via : Multiple Level Calibration



Signal: 0318F008.D\ECD1A.CH

(20) Endrin Aldehyde	Manual Integration:
14.97min 50.054ug/L	After
response 705750	Baseline/Shoulder
	03/19/14
(20) Endrin Aldehyde #2	
14.01min 51.056ug/L m	
response 318329	



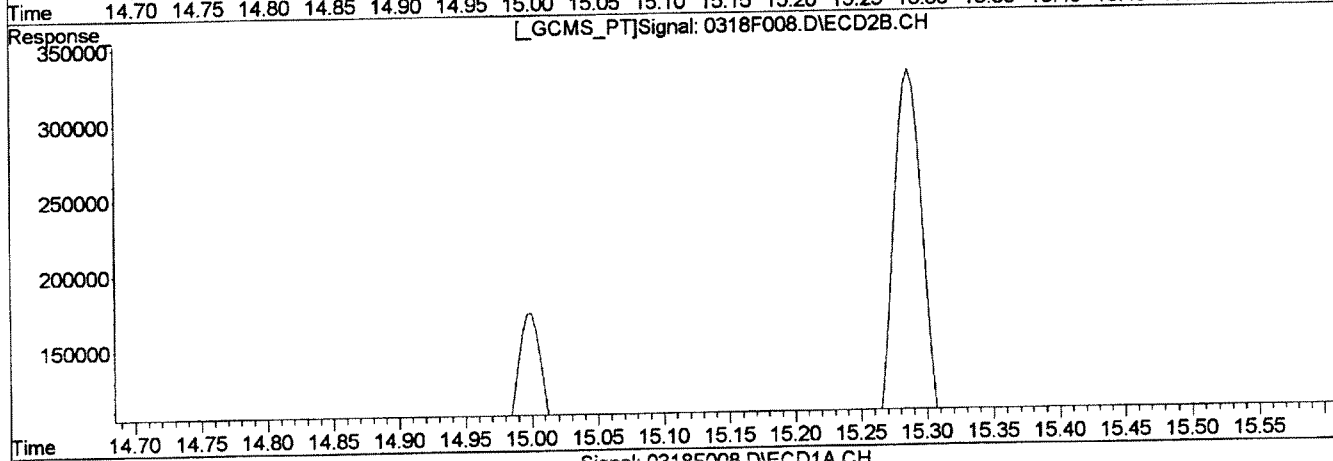
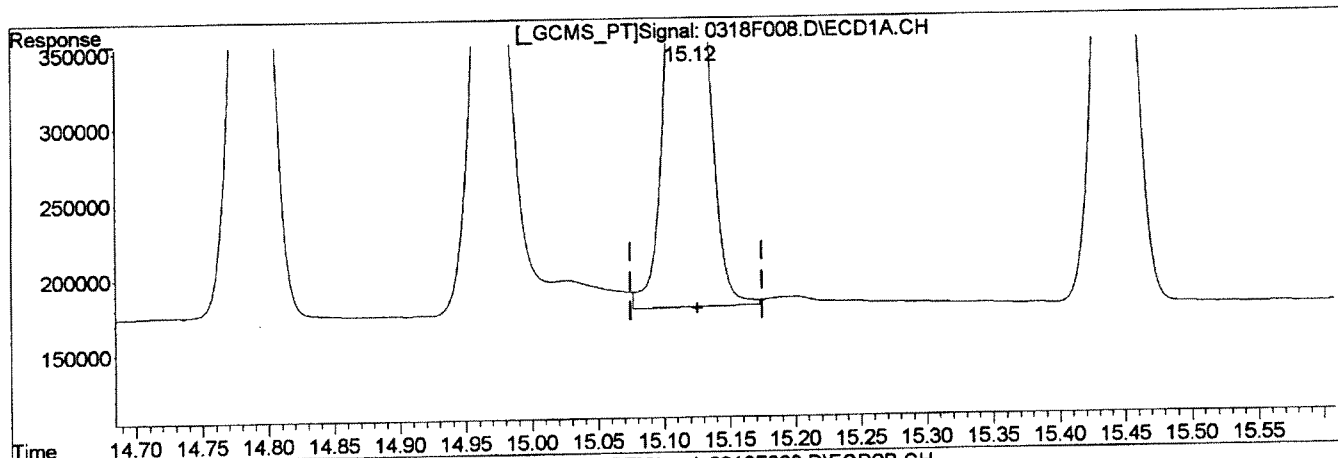
(+) = Expected Retention Time
0318F008.D GC23-031714-8081.M

Wed Mar 19 12:25:49 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F008.D\ECD1A.CH Vial: 96
Signal #2 : J:\GC23\DATA\031814C\0318F008.D\ECD2B.CH
Acq On : 19 Mar 2014 1:41 am Operator: SMURRAY
Sample : 81/24 @ 50ppb GCPS7-80J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:25 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 12:25:19 2014
Response via : Multiple Level Calibration



(22) 4,4'-DDT
15.12min 51.765ug/L
response 850466

(22) 4,4'-DDT #2
13.89min 47.105ug/L
response 340363

Manual Integration:

Before

03/19/14

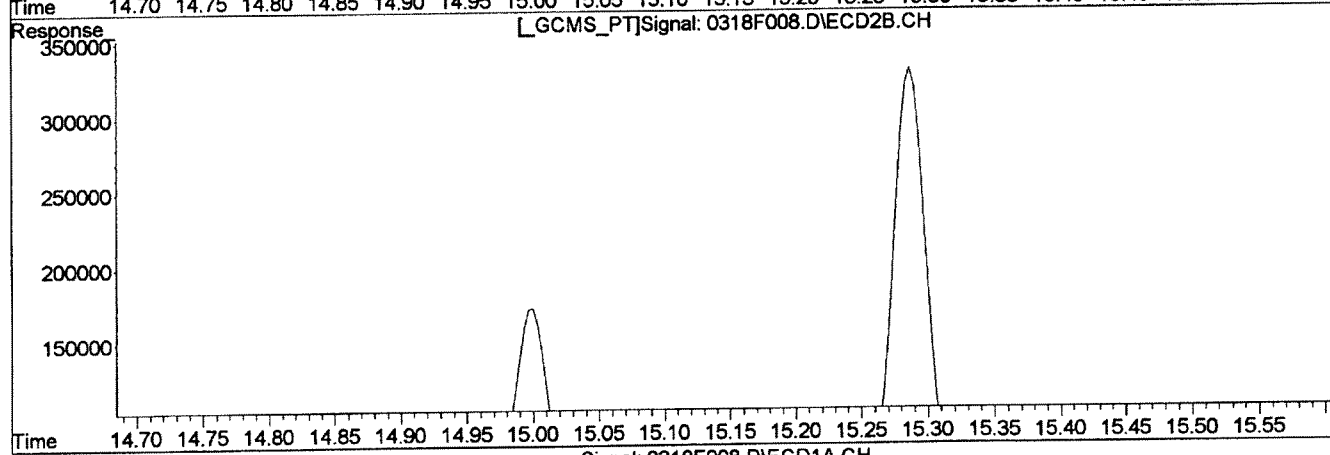
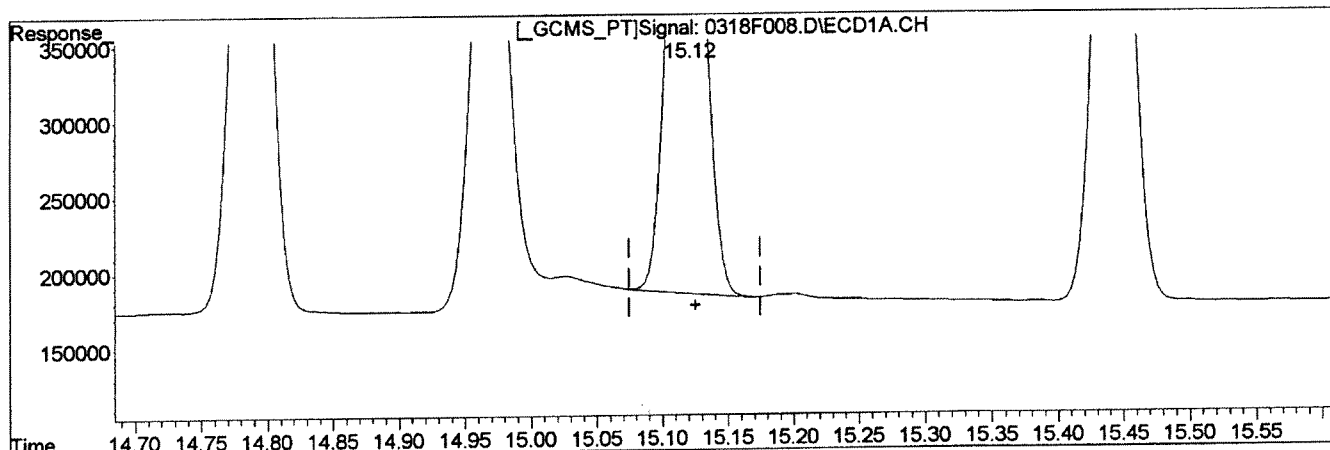
(+) = Expected Retention Time
0318F008.D GC23-031714-8081.M

Wed Mar 19 12:25:52 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F008.D\ECD1A.CH Vial: 96
 Signal #2 : J:\GC23\DATA\031814C\0318F008.D\ECD2B.CH
 Acq On : 19 Mar 2014 1:41 am Operator: SMURRAY
 Sample : 81/24 @ 50ppb GCPS7-80J Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:25 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:25:19 2014
 Response via : Multiple Level Calibration



Signal: 0318F008.D\ECD1A.CH

(22) 4,4'-DDT	Manual Integration:
15.12min 49.503ug/L m	After
response 813298	Baseline/Shoulder
	03/19/14
(22) 4,4'-DDT #2	
13.89min 47.105ug/L	
response 340363	

[Handwritten signature]

(+) = Expected Retention Time
 0318F008.D GC23-031714-8081.M

Wed Mar 19 12:25:56 2014

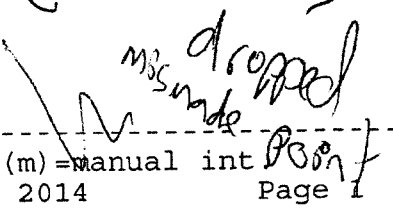
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F009.D\ECD1A.CH Vial: 97
 Signal #2 : J:\GC23\DATA\031814C\0318F009.D\ECD2B.CH
 Acq On : 19 Mar 2014 2:11 am Operator: SMURRAY
 Sample : 81/24 @ 100ppb GCPS7-77H Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:26:16 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:26:10 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Internal Standards						
1) i 1-Bromo-2-nitrob	6.17	5.56	1776189	690756	100.000	100.000
System Monitoring Compounds						
2) s Tetrachloro-m-xy	8.95	7.37	2134363	852631	104.284	93.600
28) s Decachlorobiphen	18.67	17.19	1834949	705534	102.518	91.031
Target Compounds						
3) alpha-BHC	9.79	8.62	2636594	1081067	95.495	98.888
4) Hexachlorobenzen	9.95	8.39	2392303	959072	101.424	91.149
5) beta-BHC	11.06	9.89	1011806	432587	96.968	86.262
6) gamma-BHC (Linda)	10.47	9.36	2362021	966188	93.142	96.074
7) delta-BHC	11.57	10.43	2312968	949958	94.059	96.581
8) Heptachlor	11.67	10.05	2310228	888037	95.691	94.839
9) Aldrin	12.19	10.65	2409711	1019541	96.518	97.902
10) Isodrin	12.73	11.44	1934279	810183	92.490	93.851
11) Heptachlor Epoxi	12.92	11.71	2103499	859818	91.816	93.120
12) gamma-Chlordane	13.44	12.08	2137698	909051	92.027	90.679
13) Endosulfan I	13.57	12.30	1880344	781900	90.935	92.969
14) alpha-Chlordane	13.52	12.23	2095162	877545	91.165	91.937
15) Dieldrin	13.99	12.74	2114675	882926	95.709	93.523
16) 4,4'-DDE	13.80	12.59	2157024	911975	96.484	96.158
17) Endrin	14.36	13.23	1799103	750258	94.028	93.194
18) Endosulfan II	14.81	13.66	1708425	701356	89.226	89.885
19) 4,4'-DDD	14.64	13.48	1688321	686186	92.735	93.421
20) Endrin Aldehyde	14.99	14.03	1107845	516081	81.759m	86.024
21) Endosulfan Sulfa	15.46	14.35	1545577	644426	86.248	89.202
22) 4,4'-DDT	15.14	13.91	1587310	645073	99.042m	92.429
23) Endrin Ketone	16.15	15.31	1926439	788856	90.322	87.937
24) Methoxychlor	15.89	15.02	795074	307417	95.531	87.077
25) 2,4'-DDE	13.21	12.12	1062813	438400	75.218	78.856
26) 2,4'-DDD	13.95	12.89	963427	394476	74.814	74.359
27) 2,4'-DDT	14.44	13.32	1046681	431035	78.630	76.147

m3 made dropped


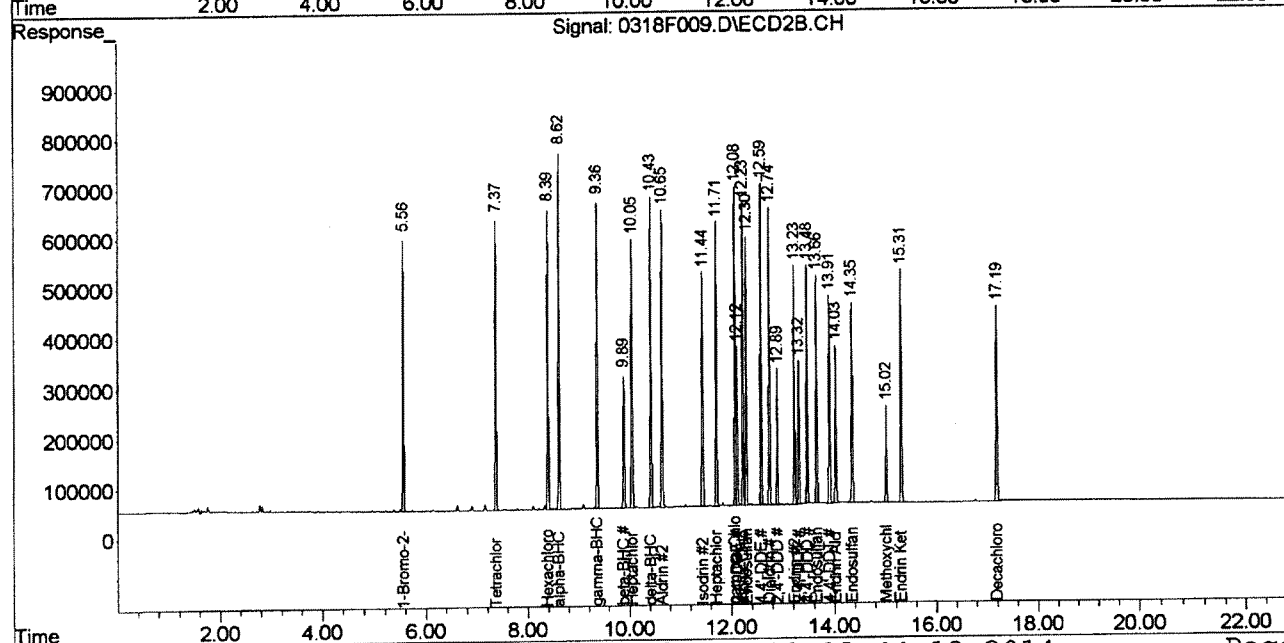
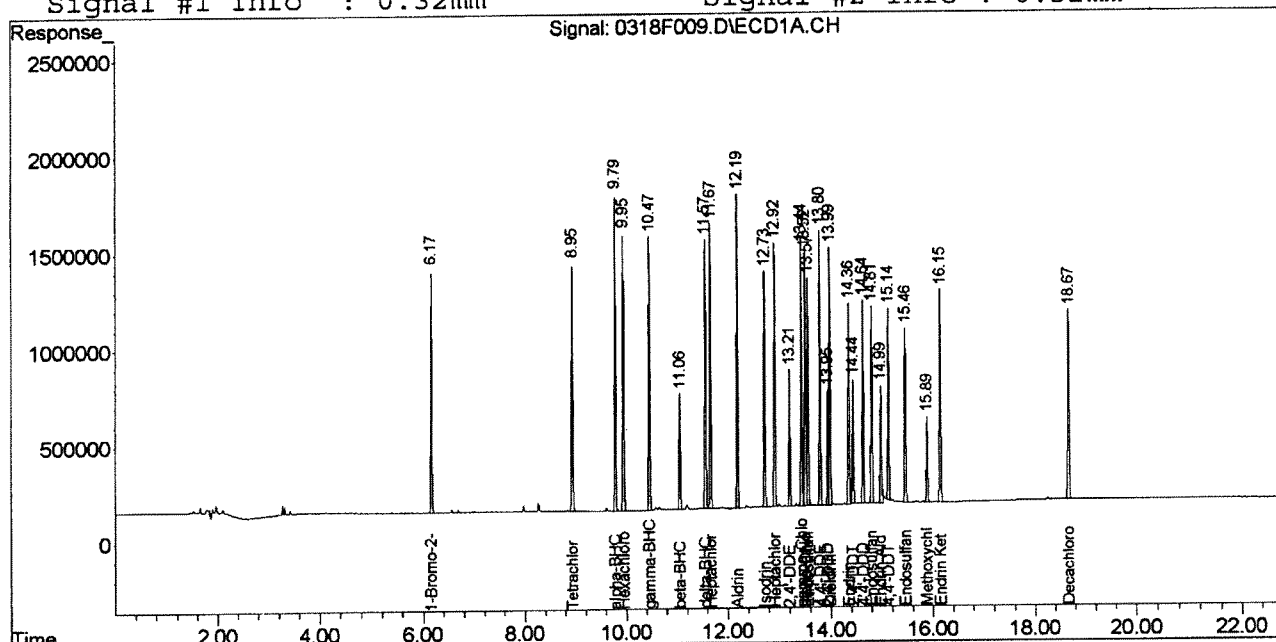
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 0318F009.D GC23-031714-8081.M Wed Mar 19 12:44:11 2014 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F009.D\ECD1A.CH Vial: 97
 Signal #2 : J:\GC23\DATA\031814C\0318F009.D\ECD2B.CH
 Acq On : 19 Mar 2014 2:11 am Operator: SMURRAY
 Sample : 81/24 @ 100ppb GCPS7-77H Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:26 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:26:10 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

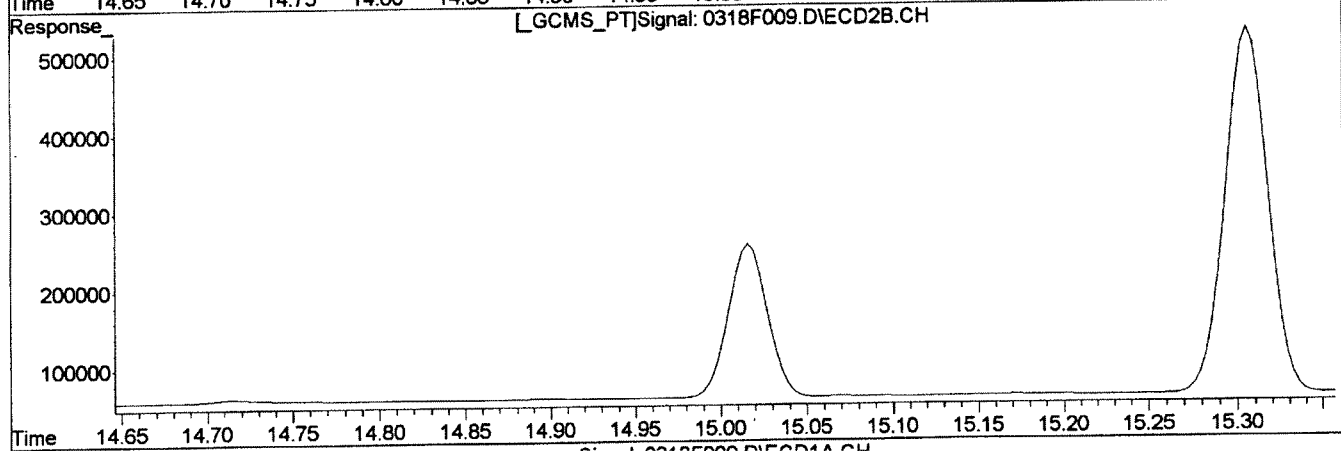
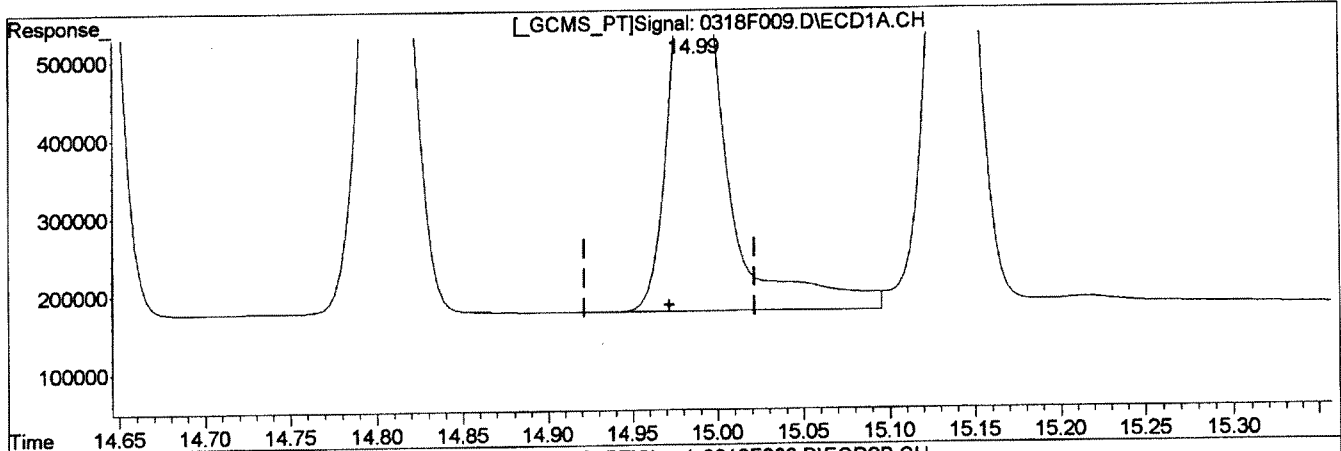
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F009.D\ECD1A.CH Vial: 97
Signal #2 : J:\GC23\DATA\031814C\0318F009.D\ECD2B.CH
Acq On : 19 Mar 2014 2:11 am Operator: SMURRAY
Sample : 81/24 @ 100ppb GCPS7-77H Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:26 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 12:26:10 2014
Response via : Multiple Level Calibration



Signal: 0318F009.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response	Integration Status	Date
(20) Endrin Aldehyde	14.99min 90.170ug/L	response 1221816	Manual Integration: Before	03/19/14
(20) Endrin Aldehyde #2	14.03min 86.024ug/L	response 516081		

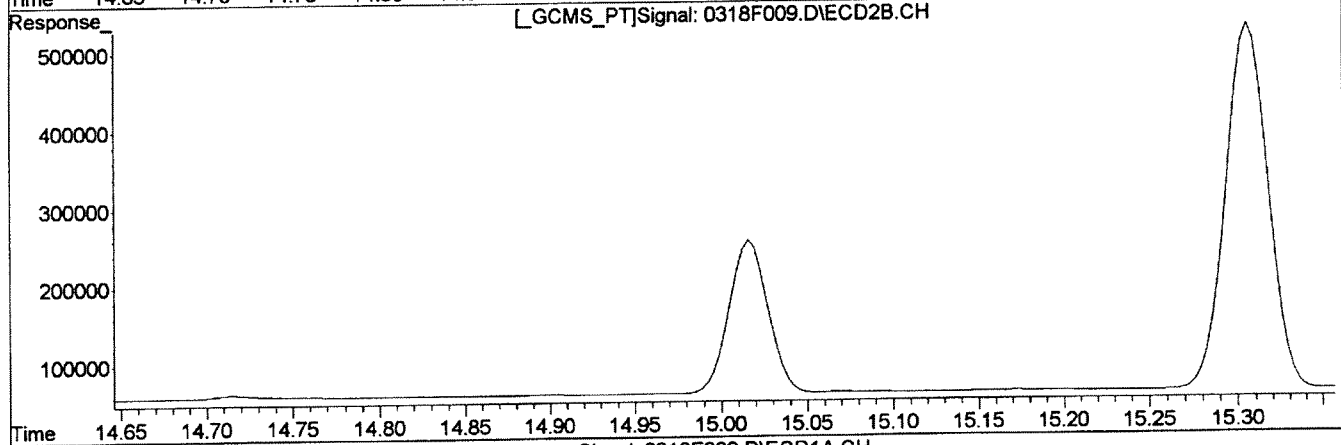
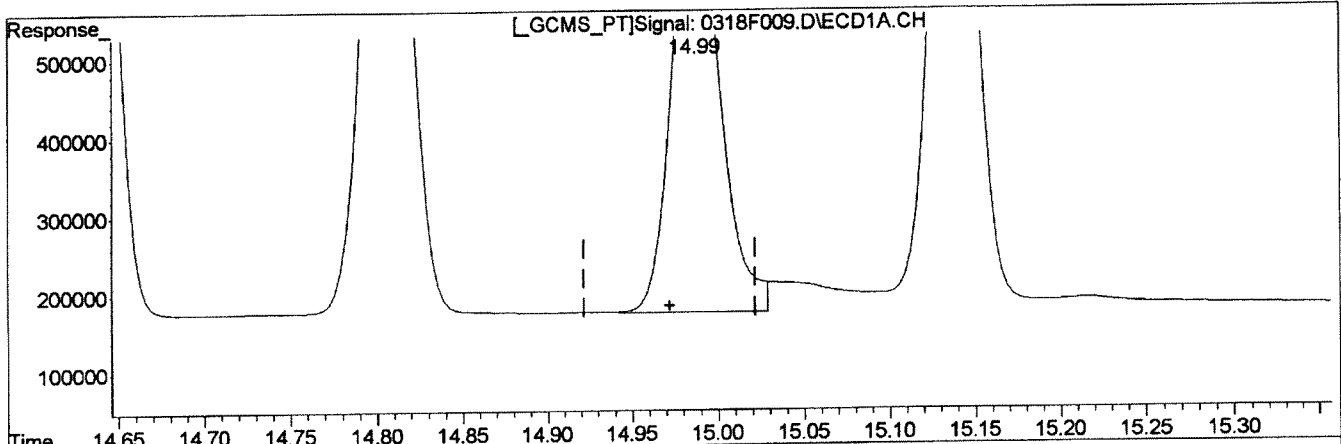
(+) = Expected Retention Time
0318F009.D GC23-031714-8081.M

Wed Mar 19 12:26:37 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F009.D\ECD1A.CH Vial: 97
Signal #2 : J:\GC23\DATA\031814C\0318F009.D\ECD2B.CH
Acq On : 19 Mar 2014 2:11 am Operator: SMURRAY
Sample : 81/24 @ 100ppb GCPS7-77H Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:26 2014 Quant Results File: GC23-031714-8081.RES

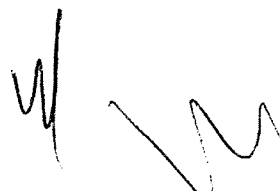
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Title : CAL 12895
Last Update : Wed Mar 19 12:26:10 2014
Response via : Multiple Level Calibration



Signal: 0318F009.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
14.99	81.759	1107845
14.03	86.024	516081

Manual Integration:
After
Baseline/Shoulder
03/19/14



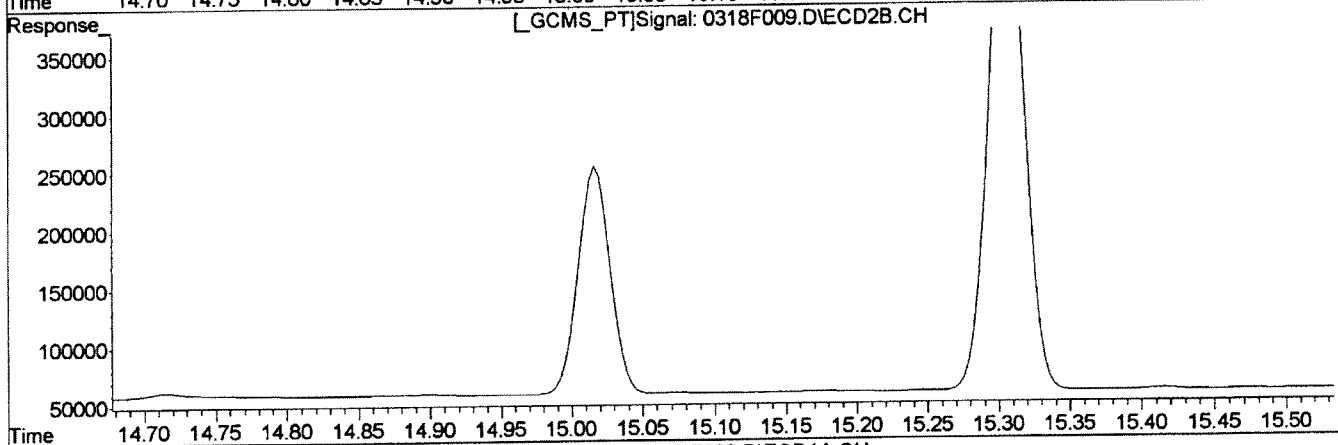
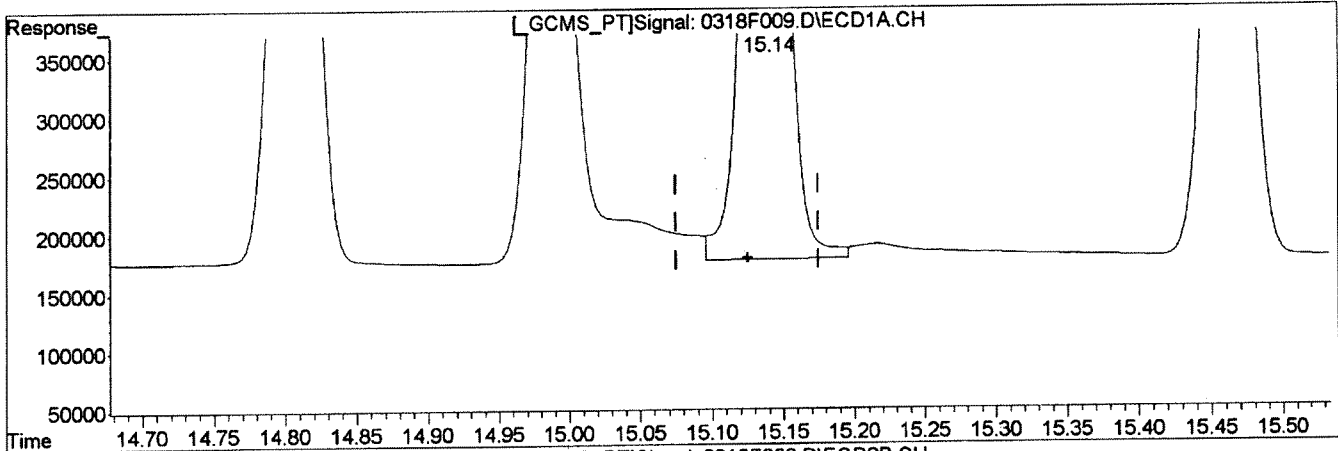
(+) = Expected Retention Time
0318F009.D GC23-031714-8081.M

Wed Mar 19 12:26:41 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F009.D\ECD1A.CH Vial: 97
Signal #2 : J:\GC23\DATA\031814C\0318F009.D\ECD2B.CH
Acq On : 19 Mar 2014 2:11 am Operator: SMURRAY
Sample : 81/24 @ 100ppb GCPS7-77H Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:26 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 12:26:10 2014
Response via : Multiple Level Calibration



Signal: 0318F009.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response	Integration Status	Date
(22) 4,4'-DDT	103.870	1664691	Manual Integration: Before	03/19/14
(22) 4,4'-DDT #2	92.429	645073		

[Handwritten signature]

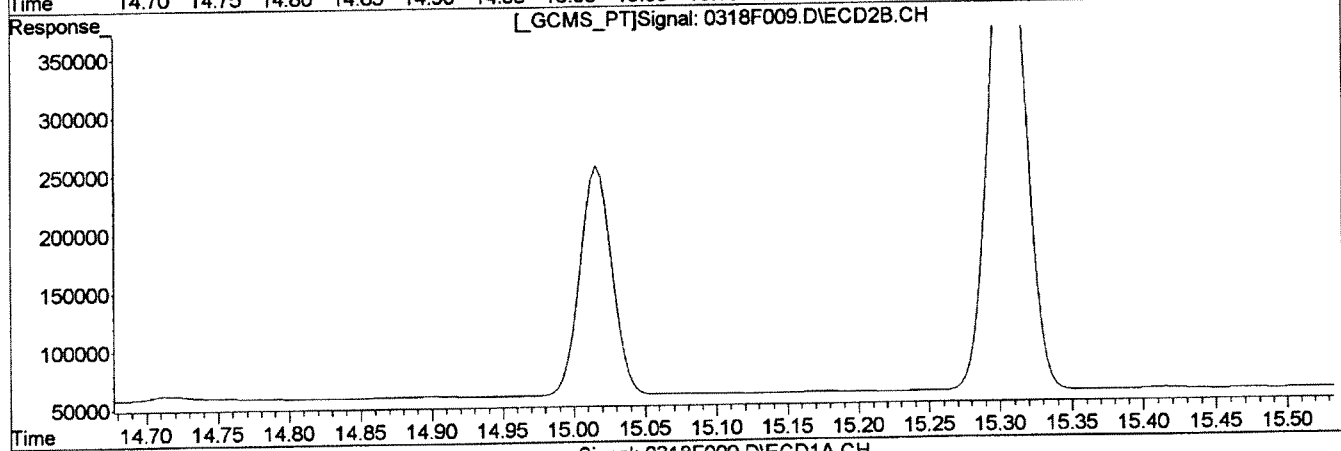
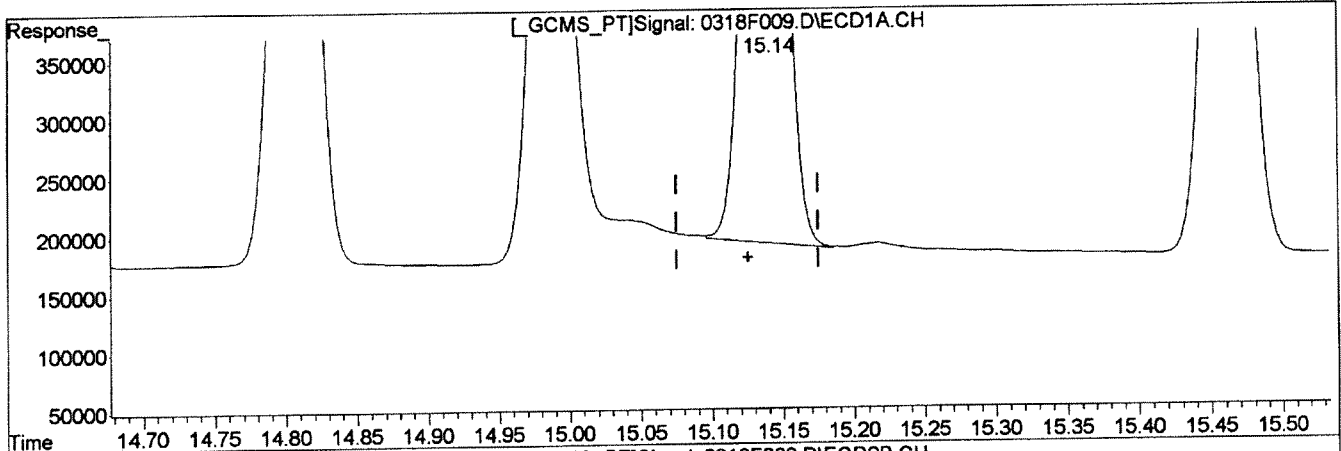
(+) = Expected Retention Time
0318F009.D GC23-031714-8081.M

Wed Mar 19 12:26:45 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F009.D\ECD1A.CH Vial: 97
Signal #2 : J:\GC23\DATA\031814C\0318F009.D\ECD2B.CH
Acq On : 19 Mar 2014 2:11 am Operator: SMURRAY
Sample : 81/24 @ 100ppb GCPS7-77H Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:26 2014 Quant Results File: GC23-031714-8081.RES

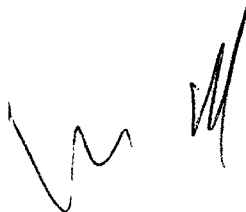
Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 12:26:10 2014
Response via : Multiple Level Calibration



Signal: 0318F009.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
(22) 4,4'-DDT	99.042	1587310
(22) 4,4'-DDT #2	92.429	645073

Manual Integration:
After
Baseline/Shoulder
03/19/14



(+) = Expected Retention Time
0318F009.D GC23-031714-8081.M

Wed Mar 19 12:26:48 2014

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F010.D\ECD1A.CH Vial: 98
 Signal #2 : J:\GC23\DATA\031814C\0318F010.D\ECD2B.CH
 Acq On : 19 Mar 2014 2:40 am Operator: SMURRAY
 Sample : 81/24 @ 200ppb GCPS7-77I Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:27:06 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:27:02 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

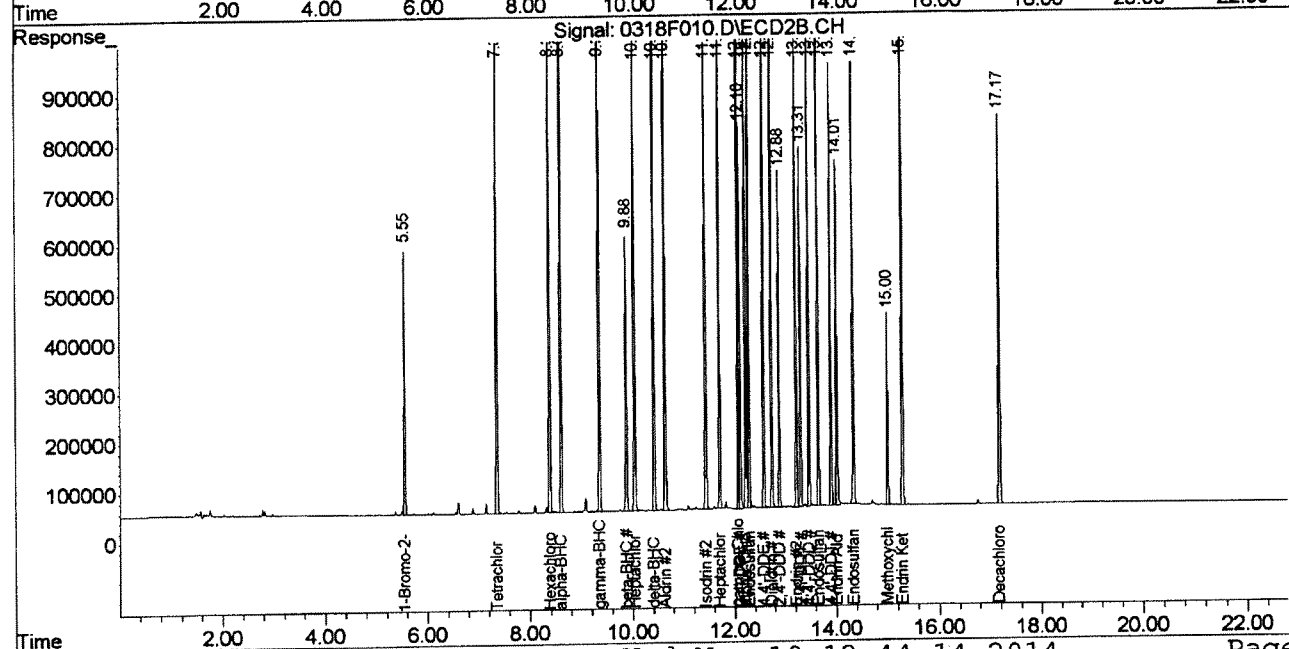
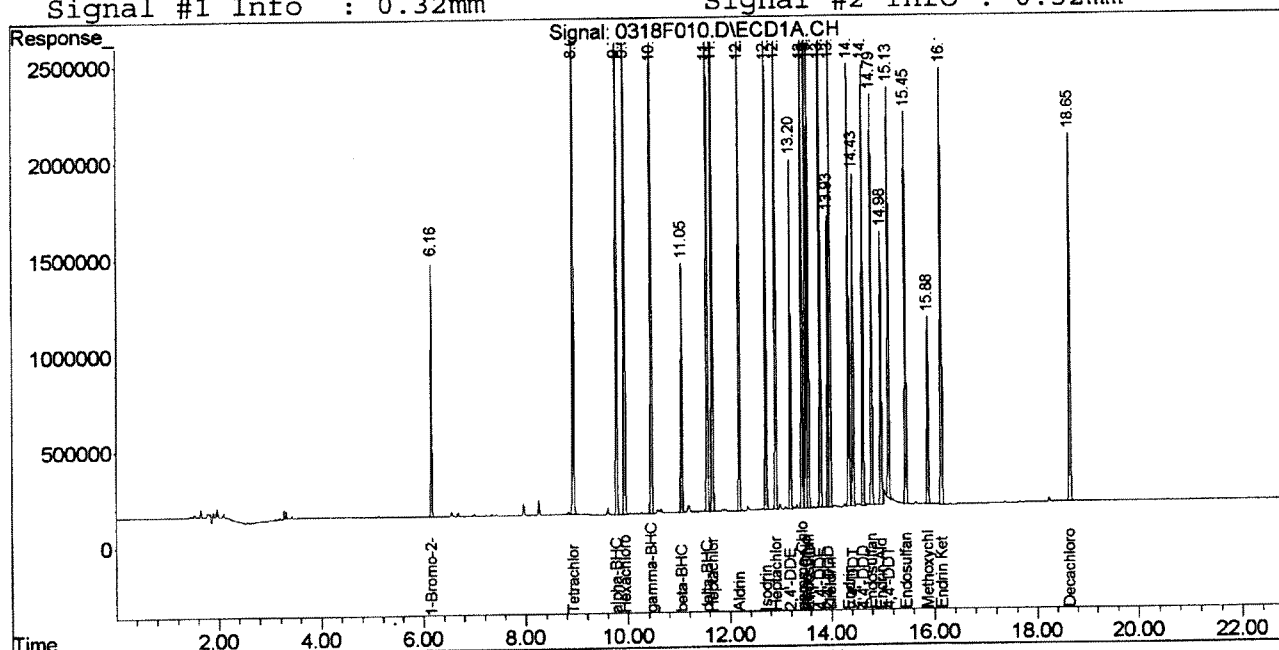
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Internal Standards						
1) i 1-Bromo-2-nitrob	6.16	5.55	1833100	681231	100.000	100.000
System Monitoring Compounds						
2) s Tetrachloro-m-xy	8.93	7.36	4352077	1691842	206.270	188.727
28) s Decachlorobiphen	18.65	17.17	3507561	1355615	203.135	177.988
Target Compounds						
3) alpha-BHC	9.78	8.60	5819242	2290105	204.655	212.562
4) Hexachlorobenzen	9.94	8.38	4810578	1891394	200.804	182.504
5) beta-BHC	11.05	9.88	2164639	912371	198.098	184.349
6) gamma-BHC (Linda)	10.45	9.35	5191143	2044988	198.540	205.929
7) delta-BHC	11.55	10.41	5172242	2044626	203.832	210.196
8) Heptachlor	11.65	10.04	4857306	1772059	193.177	191.156
9) Aldrin	12.18	10.63	4996740	2054765	193.649	200.259
10) Isodrin	12.71	11.43	3939554	1613792	182.323	189.633
11) Heptachlor Epoxi	12.91	11.70	4407563	1752551	185.689	192.273
12) gamma-Chlordane	13.43	12.07	4482730	1832246	186.461	188.310
13) Endosulfan I	13.56	12.29	3879084	1573638	180.977	190.235
14) alpha-Chlordane	13.51	12.22	4320438	1767883	181.870	188.599
15) Dieldrin	13.98	12.73	4464566	1803970	194.941	193.776
16) 4,4'-DDE	13.78	12.58	4522816	1851797	195.685	199.160
17) Endrin	14.35	13.21	3816228	1521855	191.879	190.682
18) Endosulfan II	14.79	13.65	3642755	1457212	183.583	189.873
19) 4,4'-DDD	14.62	13.47	3682595	1433360	195.502	198.357
20) Endrin Aldehyde	14.98	14.01	2524849	1128225	181.184	190.732m
21) Endosulfan Sulfa	15.45	14.34	3450808	1400746	185.244	196.474
22) 4,4'-DDT	15.13	13.89	3464456	1303693	207.367m	189.582
23) Endrin Ketone	16.14	15.29	4169848	1653425	188.366	187.486
24) Methoxychlor	15.88	15.00	1706656	615010	194.656	176.117
25) 2,4'-DDE	13.20	12.10	2707966	1124938	185.400	201.895
26) 2,4'-DDD	13.93	12.88	2409301	958933	180.698	183.825
27) 2,4'-DDT	14.43	13.31	2761383	1055217	199.557	189.513

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F010.D\ECD1A.CH Vial: 98
 Signal #2 : J:\GC23\DATA\031814C\0318F010.D\ECD2B.CH
 Acq On : 19 Mar 2014 2:40 am Operator: SMURRAY
 Sample : 81/24 @ 200ppb GCPS7-77I Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:27 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:27:02 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

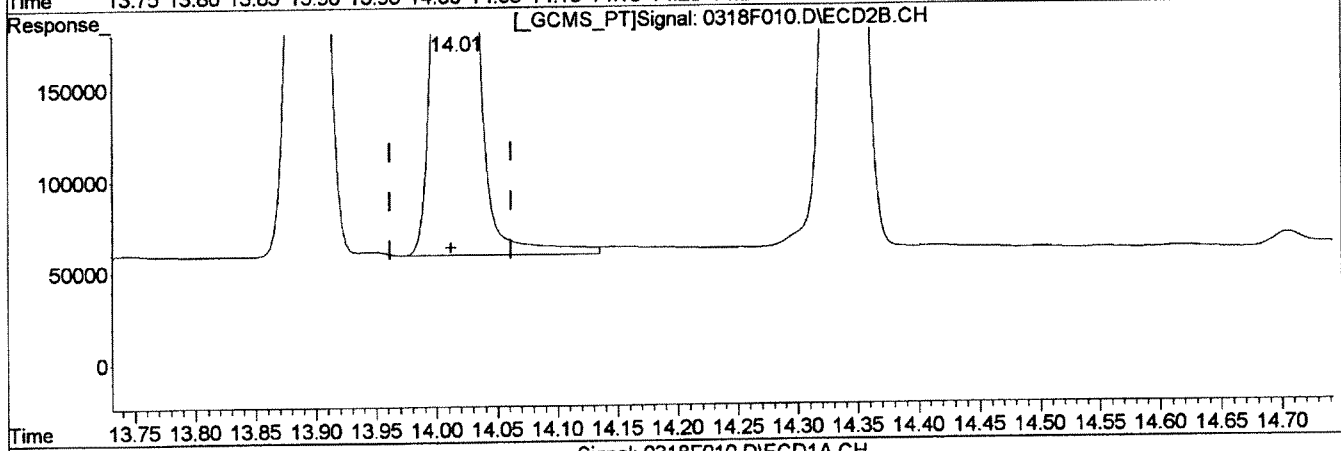
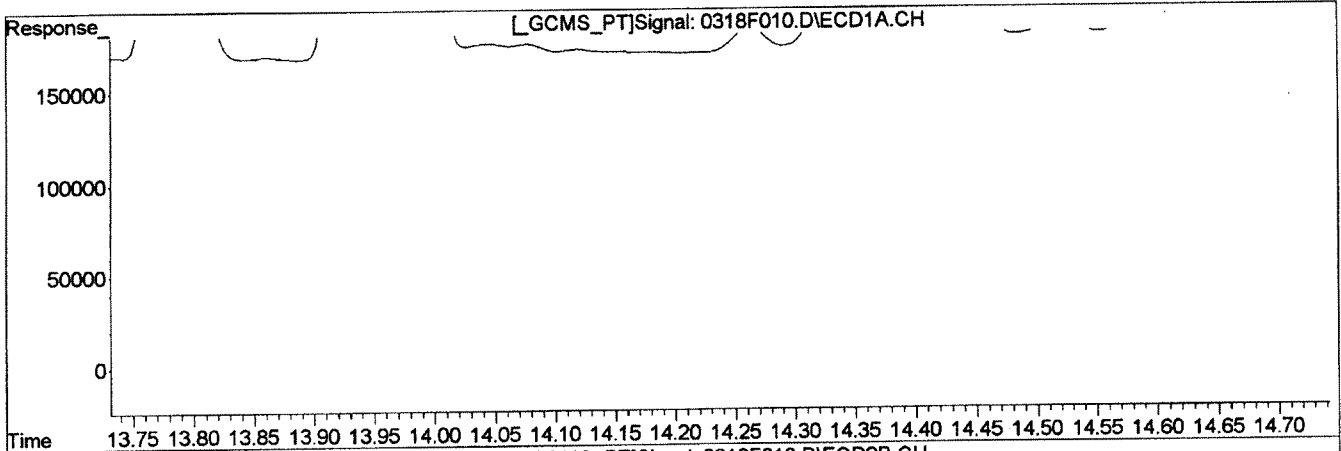
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F010.D\ECD1A.CH Vial: 98
Signal #2 : J:\GC23\DATA\031814C\0318F010.D\ECD2B.CH
Acq On : 19 Mar 2014 2:40 am Operator: SMURRAY
Sample : 81/24 @ 200ppb GCPS7-77I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:27 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 12:27:02 2014
Response via : Multiple Level Calibration



Signal: 0318F010.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response	Integration Status	Date
(20) Endrin Aldehyde	181.184	2524849	Manual Integration: Before	03/19/14
(20) Endrin Aldehyde #2	193.716	1145876		

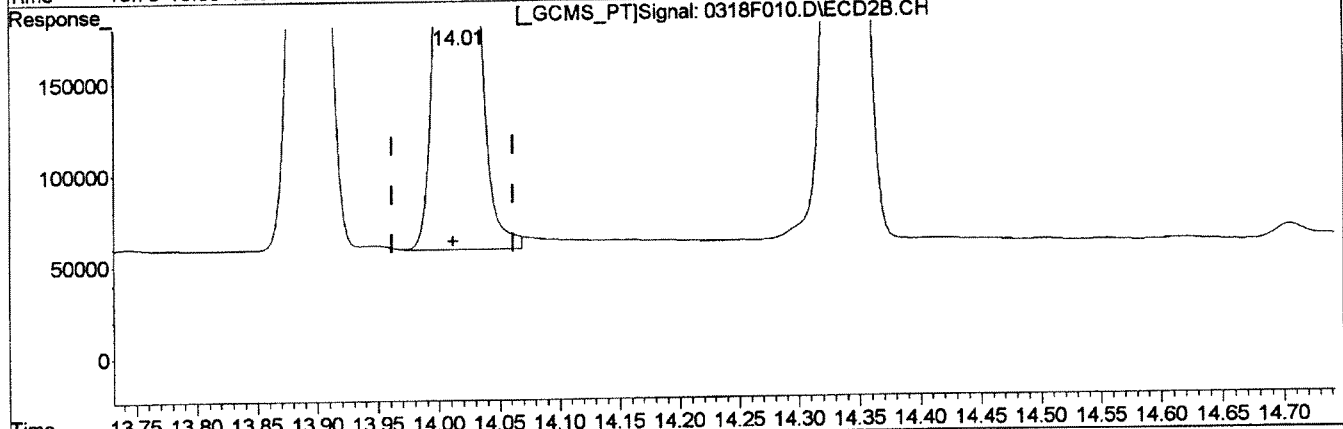
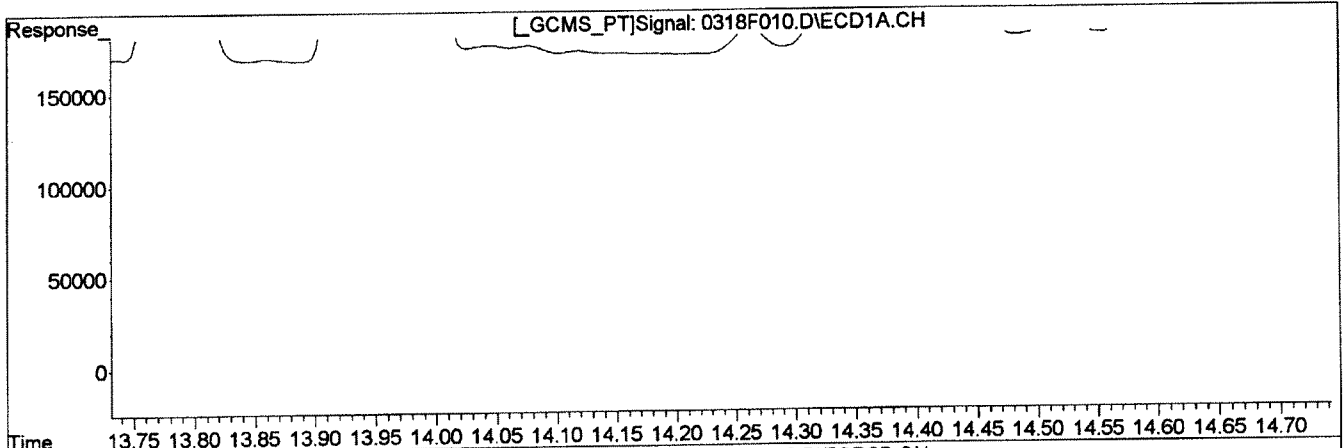
(+) = Expected Retention Time
0318F010.D GC23-031714-8081.M

Wed Mar 19 12:27:31 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F010.D\ECD1A.CH Vial: 98
Signal #2 : J:\GC23\DATA\031814C\0318F010.D\ECD2B.CH
Acq On : 19 Mar 2014 2:40 am Operator: SMURRAY
Sample : 81/24 @ 200ppb GCPS7-77I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 12:27 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 12:27:02 2014
Response via : Multiple Level Calibration



Signal: 0318F010.D\ECD1A.CH	
(20) Endrin Aldehyde	Manual Integration:
14.98min 181.184ug/L	After
response 2524849	Baseline/Shoulder
	03/19/14
(20) Endrin Aldehyde #2	
14.01min 190.732ug/L m	
response 1128225	

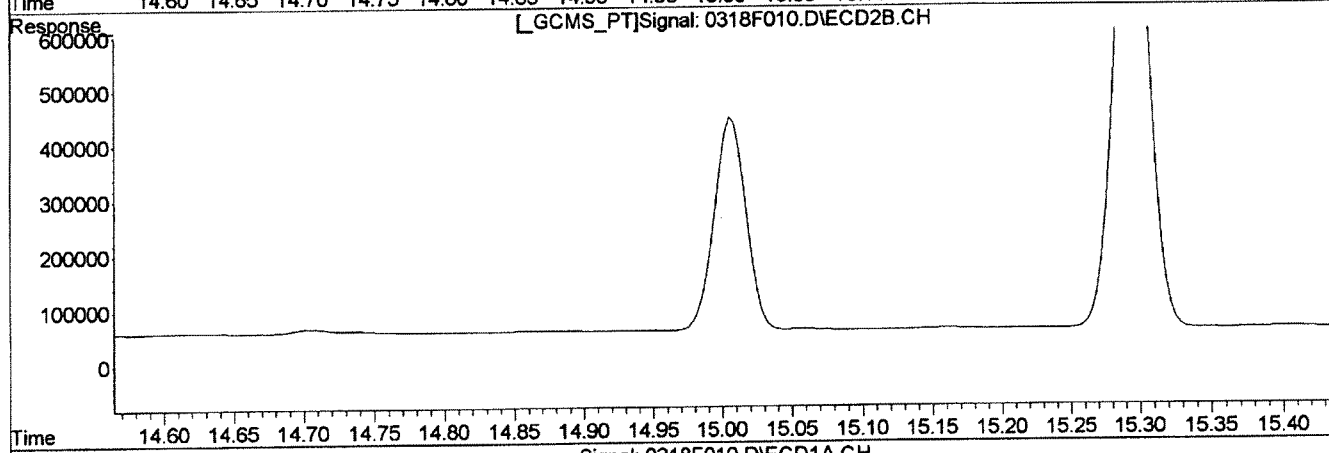
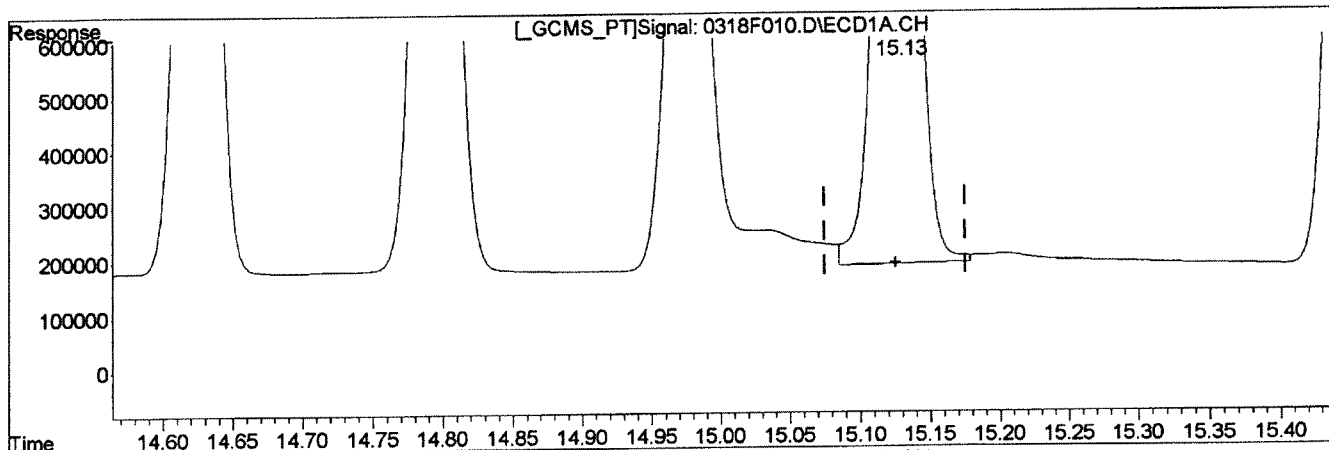
(+) = Expected Retention Time
0318F010.D GC23-031714-8081.M

Wed Mar 19 12:27:36 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F010.D\ECD1A.CH Vial: 98
 Signal #2 : J:\GC23\DATA\031814C\0318F010.D\ECD2B.CH
 Acq On : 19 Mar 2014 2:40 am Operator: SMURRAY
 Sample : 81/24 @ 200ppb GCPS7-77I Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:27 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:27:02 2014
 Response via : Multiple Level Calibration



Signal: 0318F010.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response	Integration Status	Date
(22) 4,4'-DDT	214.581	3584980	Manual Integration: Before	03/19/14
(22) 4,4'-DDT #2	189.582	1303693		

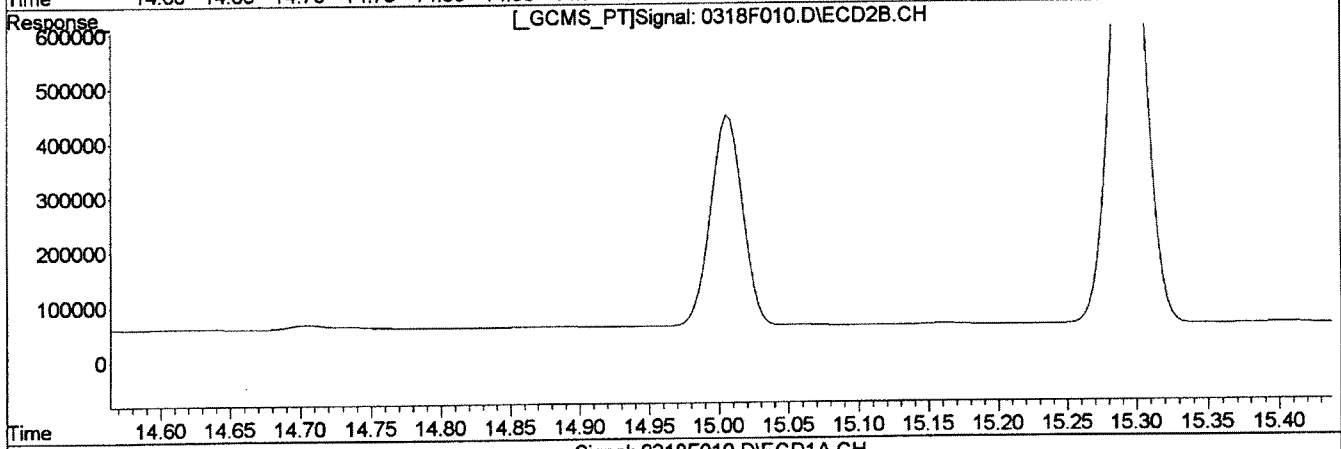
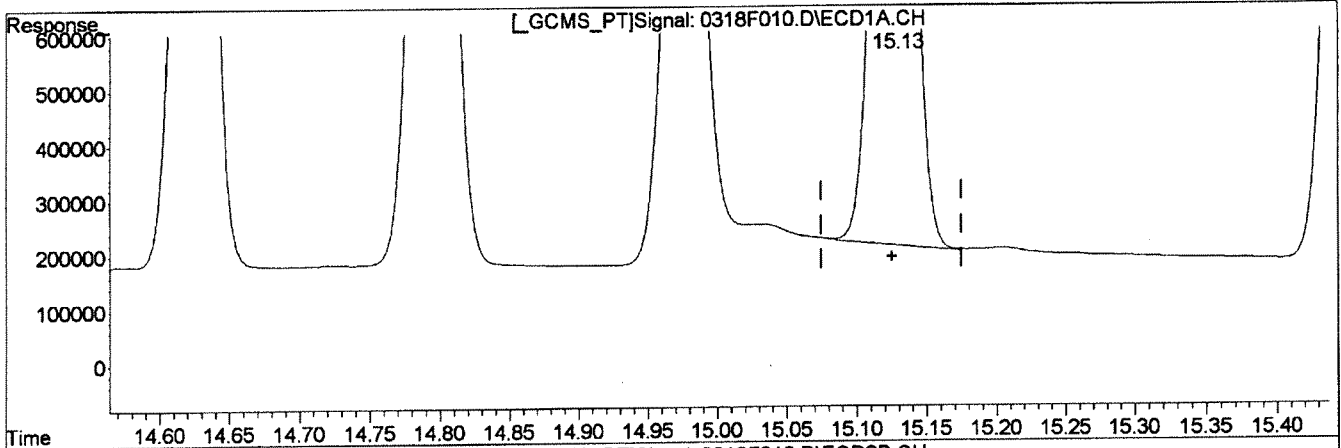
(+) = Expected Retention Time
 0318F010.D GC23-031714-8081.M

Wed Mar 19 12:27:39 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F010.D\ECD1A.CH Vial: 98
 Signal #2 : J:\GC23\DATA\031814C\0318F010.D\ECD2B.CH
 Acq On : 19 Mar 2014 2:40 am Operator: SMURRAY
 Sample : 81/24 @ 200ppb GCPS7-77I Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 12:27 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 12:27:02 2014
 Response via : Multiple Level Calibration



Signal: 0318F010.D\ECD1A.CH

(22) 4,4'-DDT	Manual Integration:
15.13min 207.367ug/L m	After
response 3464456	Baseline/Shoulder
	03/19/14
(22) 4,4'-DDT #2	
13.89min 189.582ug/L	
response 1303693	

(+) = Expected Retention Time
 0318F010.D GC23-031714-8081.M

Wed Mar 19 12:27:42 2014

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F011.D\ECD1A.CH Vial: 99
 Signal #2 : J:\GC23\DATA\031814C\0318F011.D\ECD2B.CH
 Acq On : 19 Mar 2014 3:10 am Operator: SMURRAY
 Sample : 8081 @ 40ppb GCPS7-79I Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 19:20:20 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 19:17:42 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

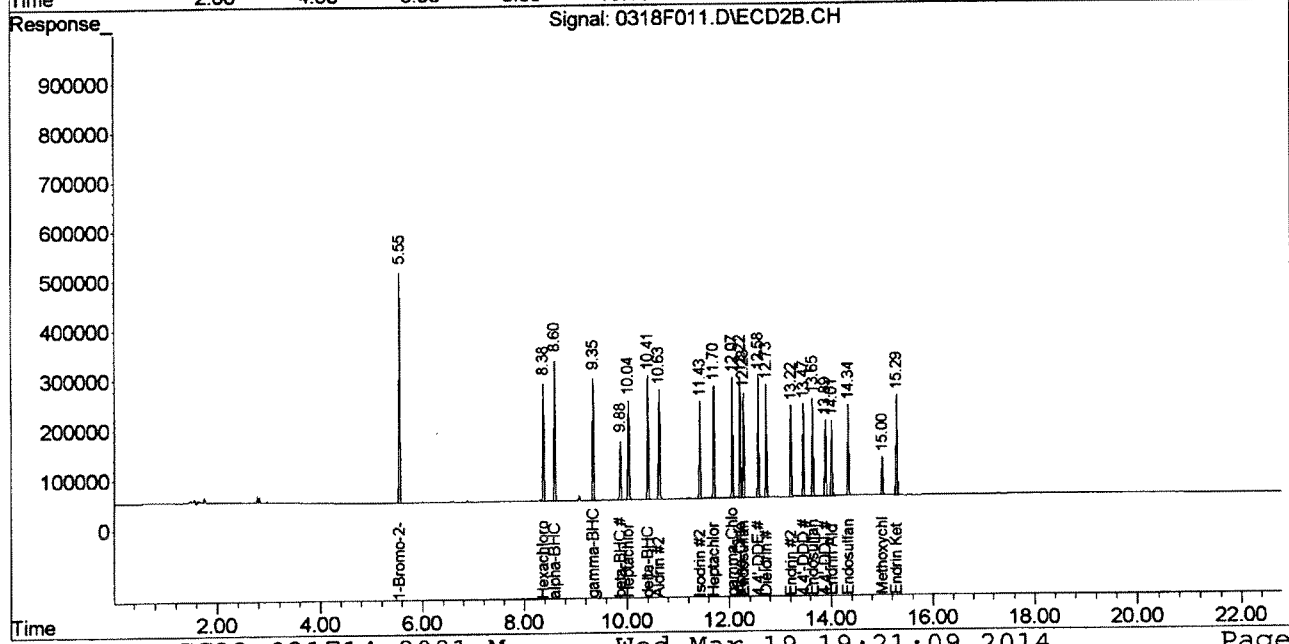
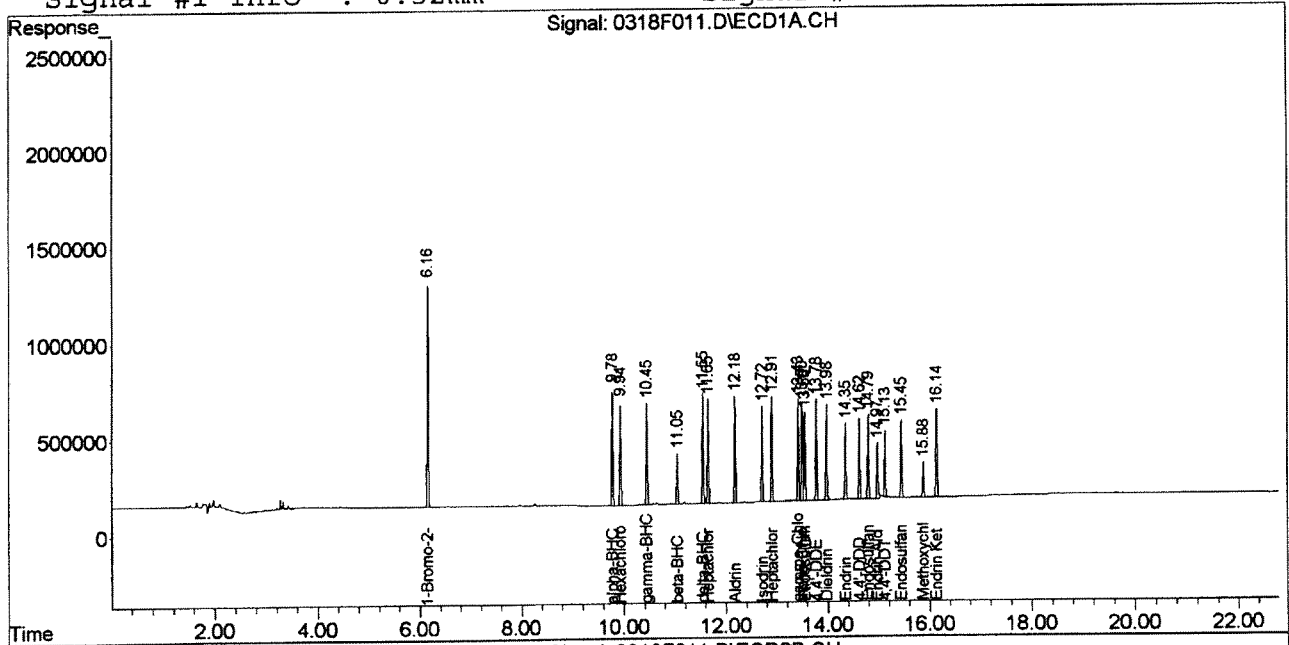
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Internal Standards						
1) i 1-Bromo-2-nitrob	6.16	5.55	1566319	587102	100.000	100.000
System Monitoring Compounds						
Target Compounds						
3) alpha-BHC	9.78	8.60	999790	418125	41.379	44.796
4) Hexachlorobenzen	9.94	8.38	921909	369731	42.852	41.258
5) beta-BHC	11.05	9.88	461385	194484	46.137	45.281
6) gamma-BHC (Linda	10.45	9.35	929488	383257	41.788	44.488
7) delta-BHC	11.55	10.41	932733	388582	43.150	45.937
8) Heptachlor	11.65	10.04	866249	334377	40.118	41.576
9) Aldrin	12.18	10.63	853373	372870	38.776	41.949
10) Isodrin	12.72	11.43	790431	334311	42.921	45.337
11) Heptachlor Epoxi	12.91	11.70	837992	343580	41.264	43.466
12) gamma-Chlordane	13.43	12.07	832484	349231	40.533	42.293
13) Endosulfan I	13.56	12.28	758931	317896	41.444	44.482
14) alpha-Chlordane	13.50	12.22	823818	345624	40.658	42.729
15) Dieldrin	13.98	12.73	827485	342102	42.186	42.437
16) 4,4'-DDE	13.78	12.58	812597	350465	41.205	43.800
17) Endrin	14.35	13.22	687202	288550	40.348	41.612
18) Endosulfan II	14.79	13.65	734325	299301	43.368	45.119
19) 4,4'-DDD	14.62	13.47	663981	269879	41.238	43.202
20) Endrin Aldehyde	14.97	14.01	537814	243950	48.430m	47.689
21) Endosulfan Sulfa	15.45	14.34	698242	288615	46.554	46.663
22) 4,4'-DDT	15.13	13.89	562264	230749	39.277m	38.998
23) Endrin Ketone	16.14	15.29	807944	336280	42.691	44.115
24) Methoxychlor	15.88	15.00	320121	124747	42.147	41.290

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F011.D\ECD1A.CH Vial: 99
 Signal #2 : J:\GC23\DATA\031814C\0318F011.D\ECD2B.CH
 Acq On : 19 Mar 2014 3:10 am Operator: SMURRAY
 Sample : 8081 @ 40ppb GCPS7-79I Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 19:20 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 19:17:42 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

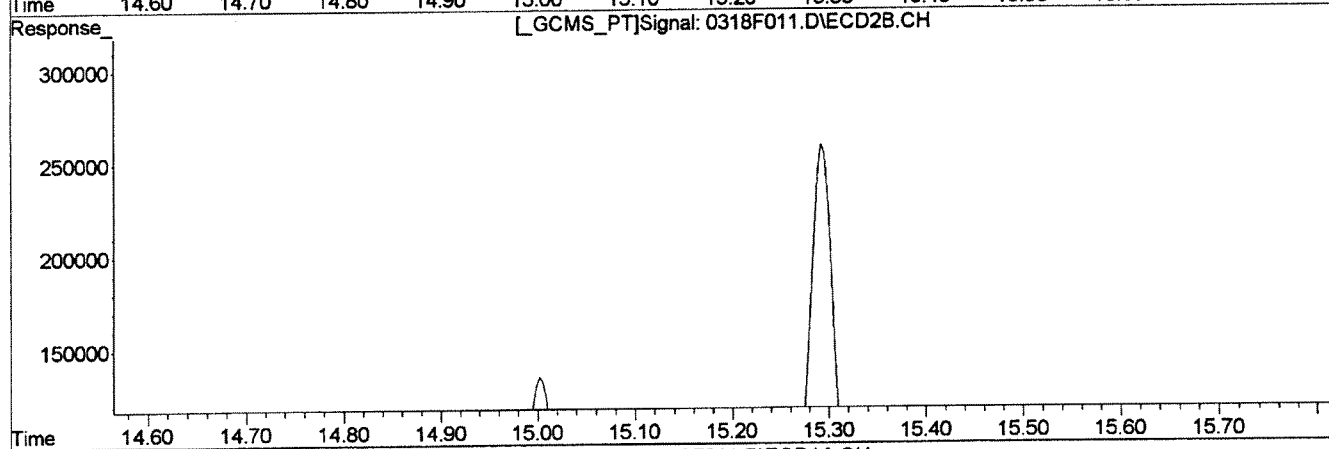
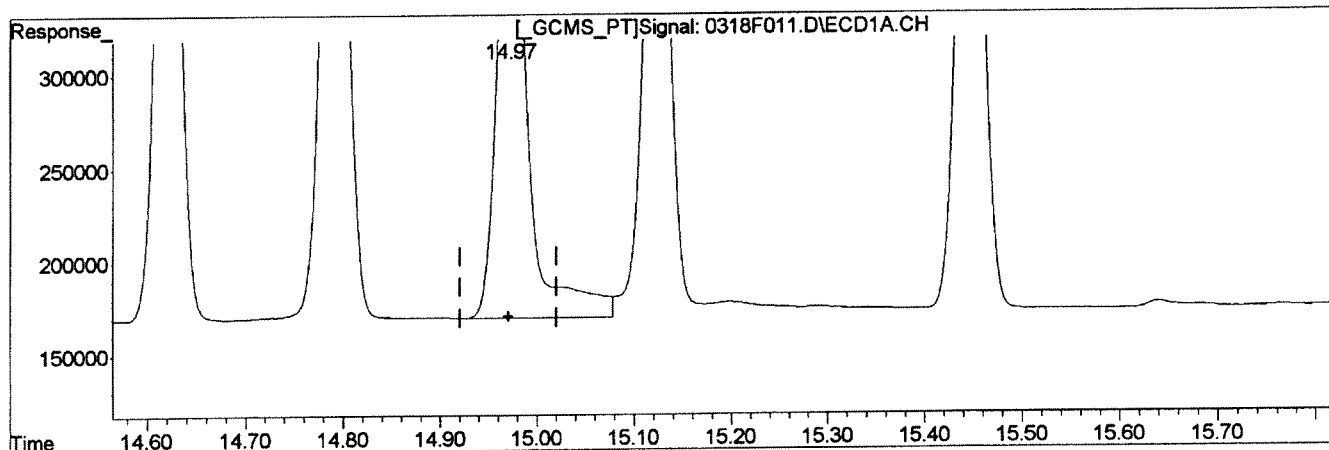
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm




Quantitation Report (Qedit)


Signal #1 : J:\GC23\DATA\031814C\0318F011.D\ECD1A.CH Vial: 99
 Signal #2 : J:\GC23\DATA\031814C\0318F011.D\ECD2B.CH
 Acq On : 19 Mar 2014 3:10 am Operator: SMURRAY
 Sample : 8081 @ 40ppb GCPS7-79I Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 19:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 19:17:42 2014
 Response via : Multiple Level Calibration



Signal: 0318F011.D\ECD1A.CH

(20) Endrin Aldehyde	Manual Integration:
14.97min 52.826ug/L	Before
response 586629	
	03/19/14
(20) Endrin Aldehyde #2	
14.01min 47.689ug/L	
response 243950	



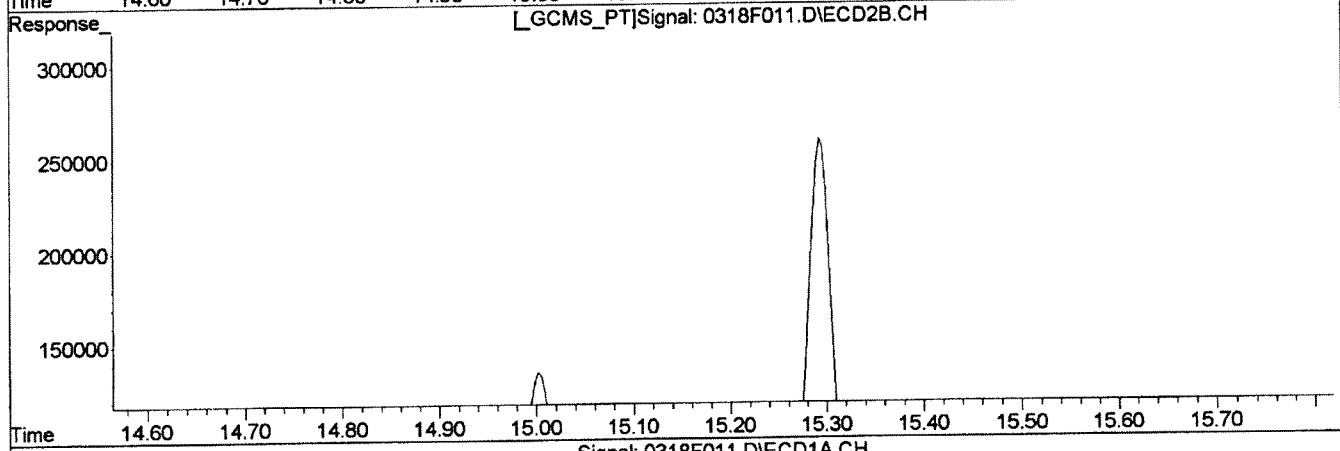
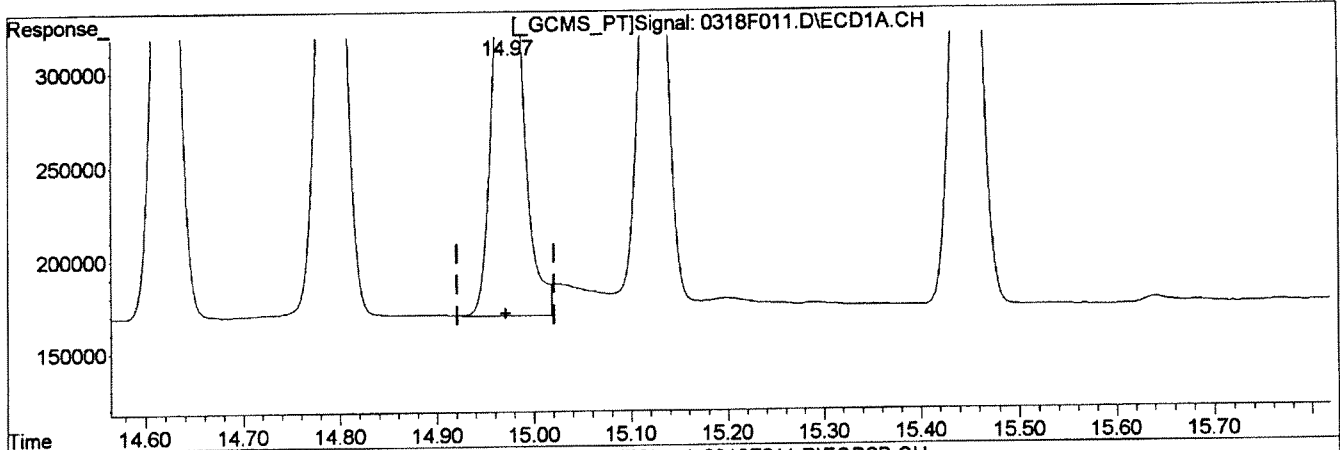
(+) = Expected Retention Time
 0318F011.D GC23-031714-8081.M

Wed Mar 19 19:20:42 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F011.D\ECD1A.CH Vial: 99
Signal #2 : J:\GC23\DATA\031814C\0318F011.D\ECD2B.CH
Acq On : 19 Mar 2014 3:10 am Operator: SMURRAY
Sample : 8081 @ 40ppb GCPS7-79I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 19:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 19:17:42 2014
Response via : Multiple Level Calibration



Signal: 0318F011.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
(20) Endrin Aldehyde	48.430	537814
(20) Endrin Aldehyde #2	47.689	243950

Manual Integration:
After
Baseline/Shoulder
03/19/14

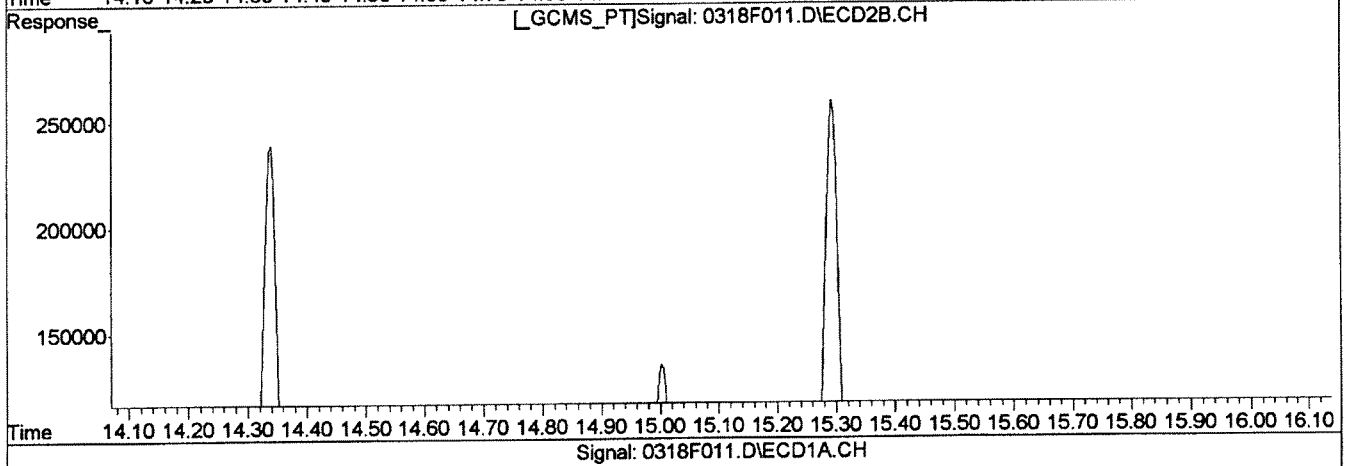
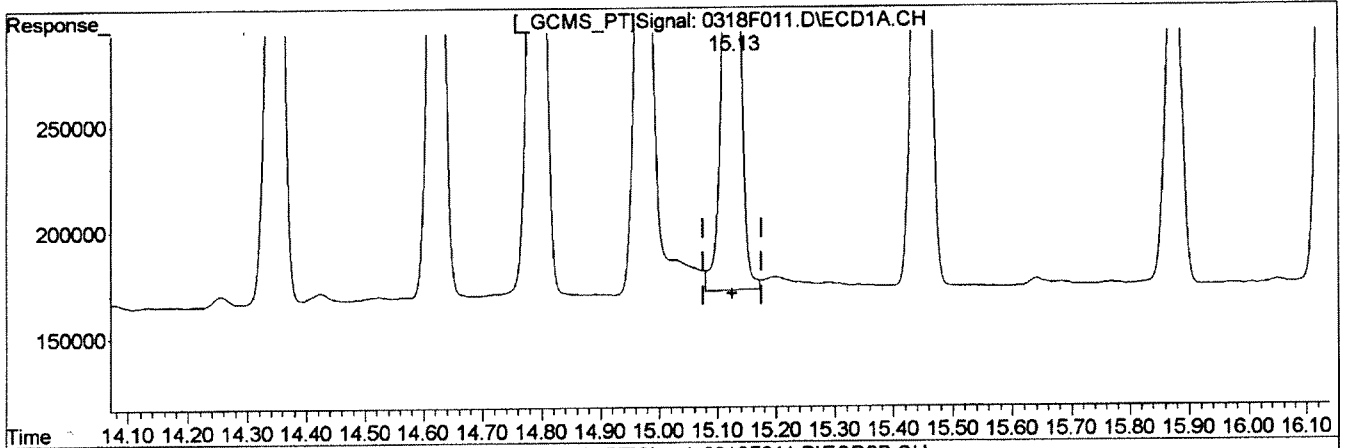
(+) = Expected Retention Time
0318F011.D GC23-031714-8081.M

Wed Mar 19 19:20:50 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F011.D\ECD1A.CH Vial: 99
Signal #2 : J:\GC23\DATA\031814C\0318F011.D\ECD2B.CH
Acq On : 19 Mar 2014 3:10 am Operator: SMURRAY
Sample : 8081 @ 40ppb GCPS7-79I Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 19:20 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 19:17:42 2014
Response via : Multiple Level Calibration



Signal: 0318F011.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
(22) 4,4'-DDT	41.819	598645
(22) 4,4'-DDT #2	38.998	230749

Manual Integration:
Before
03/19/14

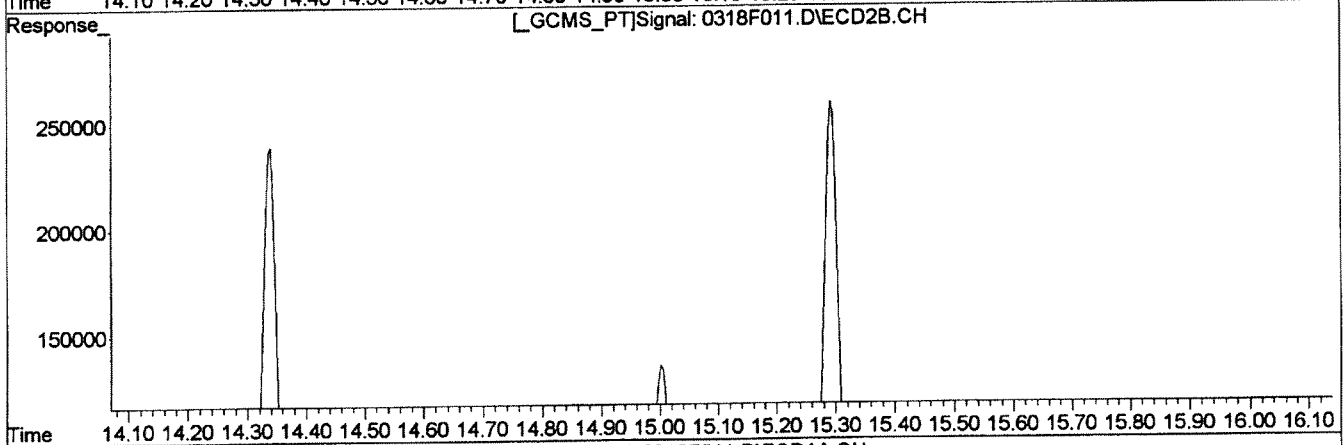
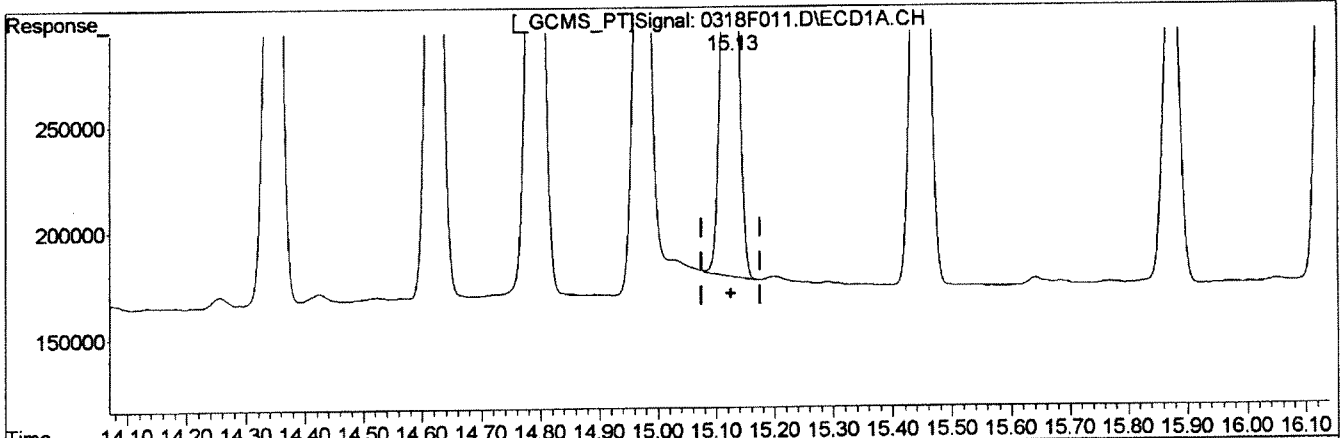
(+) = Expected Retention Time
0318F011.D GC23-031714-8081.M

Wed Mar 19 19:20:53 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031814C\0318F011.D\ECD1A.CH Vial: 99
Signal #2 : J:\GC23\DATA\031814C\0318F011.D\ECD2B.CH
Acq On : 19 Mar 2014 3:10 am Operator: SMURRAY
Sample : 8081 @ 40ppb GCPS7-79I Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 19:20 2014 Quant Results File: GC23-031714-8081.RES

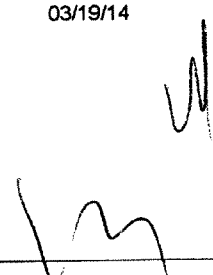
Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 19:17:42 2014
Response via : Multiple Level Calibration



Signal: 0318F011.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
(22) 4,4'-DDT	39.277	562264
(22) 4,4'-DDT #2	38.998	230749

Manual Integration:
After
Baseline/Shoulder
03/19/14



(+) = Expected Retention Time
0318F011.D GC23-031714-8081.M

Wed Mar 19 19:20:57 2014

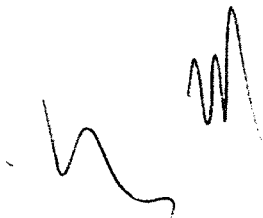
Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F012.D\ECD1A.CH Vial: 100
 Signal #2 : J:\GC23\DATA\031814C\0318F012.D\ECD2B.CH
 Acq On : 19 Mar 2014 3:39 am Operator: SMURRAY
 Sample : 2,4'S @ 40ppb GCPS7-79K Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 19:21:16 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 19:17:42 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Internal Standards						
1) i 1-Bromo-2-nitrob	6.16	5.56	1718589	643576	100.000	100.000
System Monitoring Compounds						
Target Compounds						
25) 2,4'-DDE	13.20	12.11	589617	250762	41.056	44.078
26) 2,4'-DDD	13.94	12.88	522300	213938	39.948	41.278
27) 2,4'-DDT	14.44	13.31	511350	206439	37.545	37.495

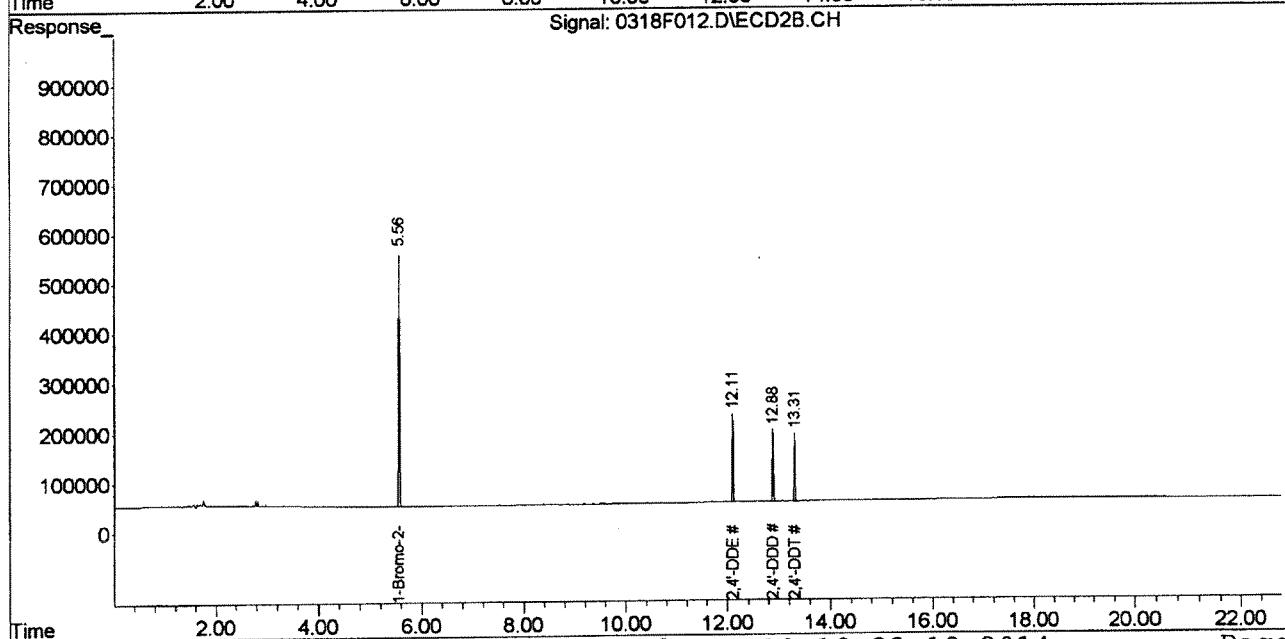
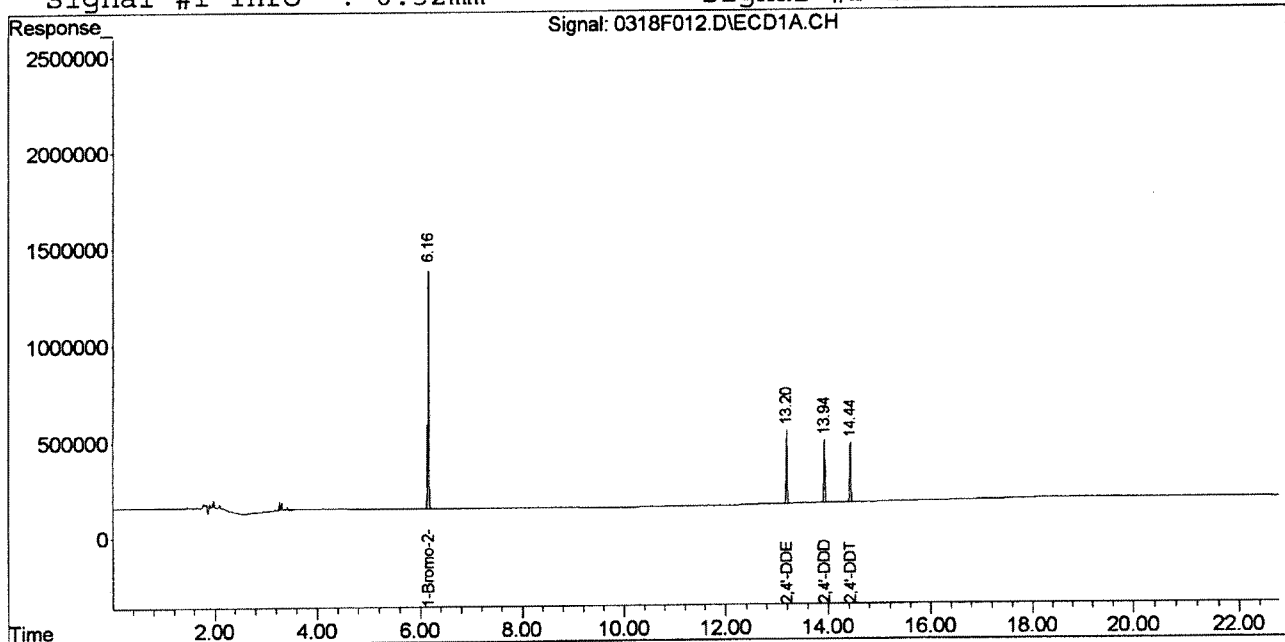


Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031814C\0318F012.D\ECD1A.CH Vial: 100
Signal #2 : J:\GC23\DATA\031814C\0318F012.D\ECD2B.CH
Acq On : 19 Mar 2014 3:39 am Operator: SMURRAY
Sample : 2,4'S @ 40ppb GCPS7-79K Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 19:21 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 19:17:42 2014
Response via : Multiple Level Calibration
DataAcq Meth : PEST1UL.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD1A.CH Vial: 80
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD2B.CH
 Acq On : 17 Mar 2014 6:25 pm Operator: SMURRAY
 Sample : TOX @ 200ppb GCPS7-77J Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19:45 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

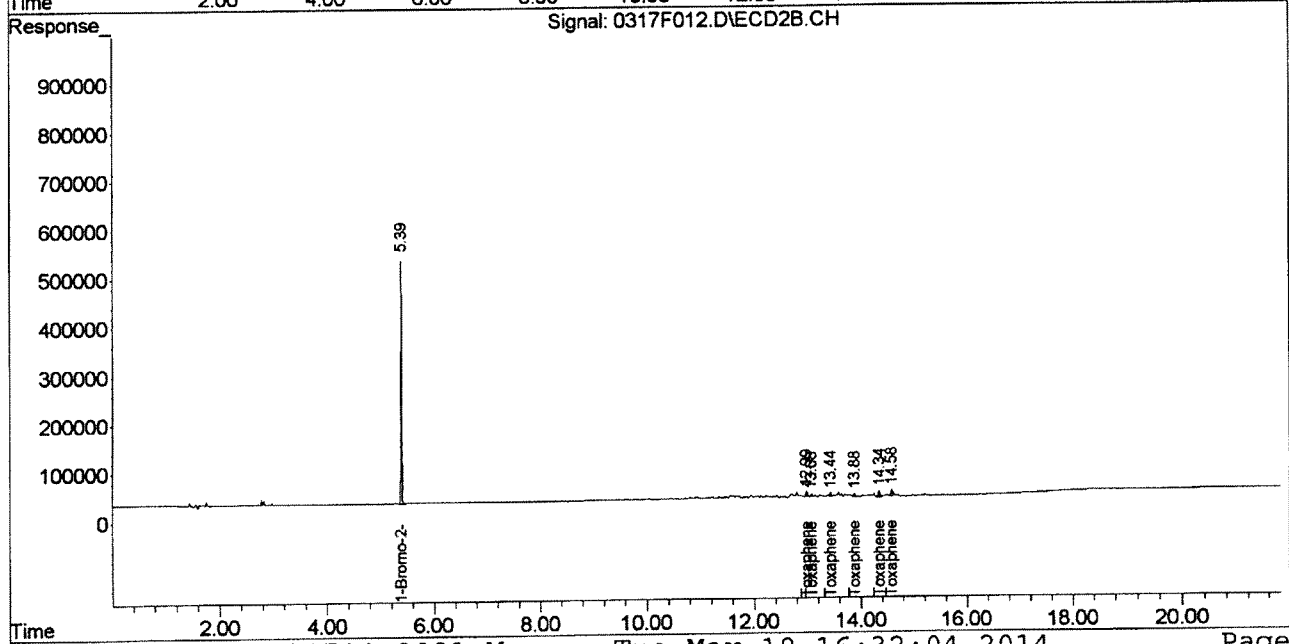
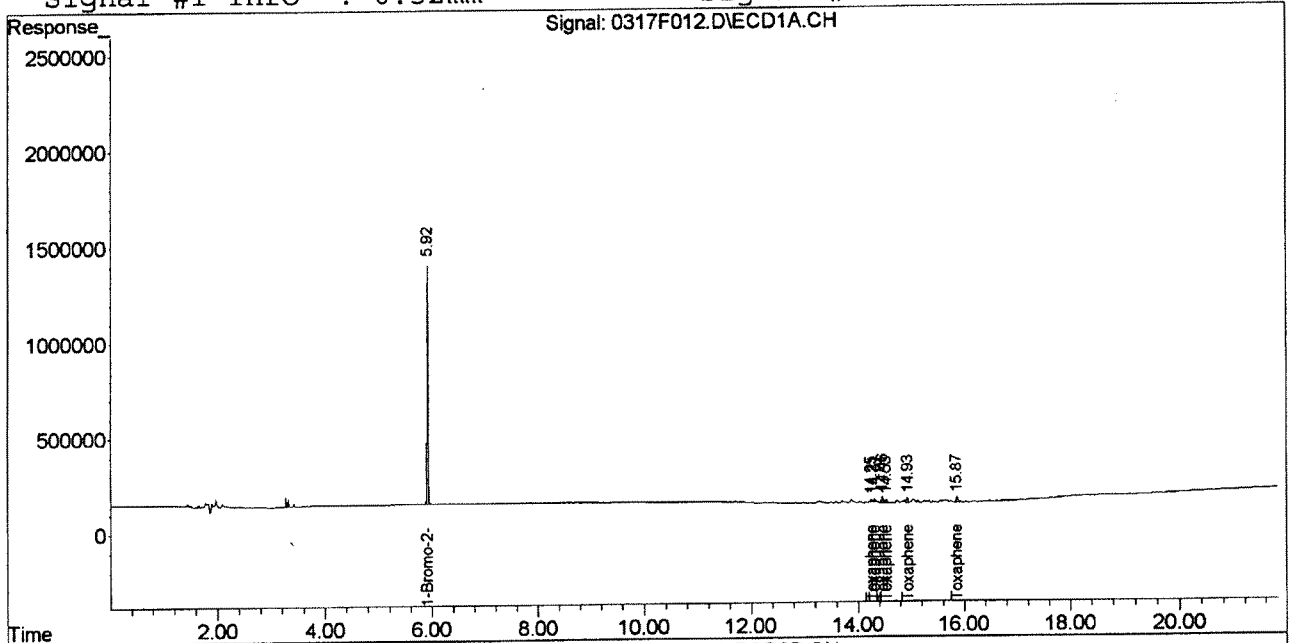
Internal Standards						
29) 1-Bromo-2-nitrob	5.92	5.39	1597073	593337	100.000	100.000
System Monitoring Compounds						
Target Compounds						
30) Toxaphene	14.25	12.99	23872	25223	231.963m	482.532 #
31) Toxaphene {2}	14.31	13.08	34457	10185	233.580m	93.047 #
32) Toxaphene {3}	14.46	13.44	73718	14020	202.507m	338.964 #
33) Toxaphene {4}	14.53	13.88	50718	16600	212.702	269.555 #
34) Toxaphene {5}	14.93	14.34	51389	29879	217.438m	403.572 #
35) Toxaphene {6}	15.87	14.58	64788	23189	163.728m	210.553 #

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD1A.CH Vial: 80
Signal #2 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD2B.CH
Acq On : 17 Mar 2014 6:25 pm Operator: SMURRAY
Sample : TOX @ 200ppb GCPS7-77J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:21 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration
DataAcq Meth : PESTNEW.M

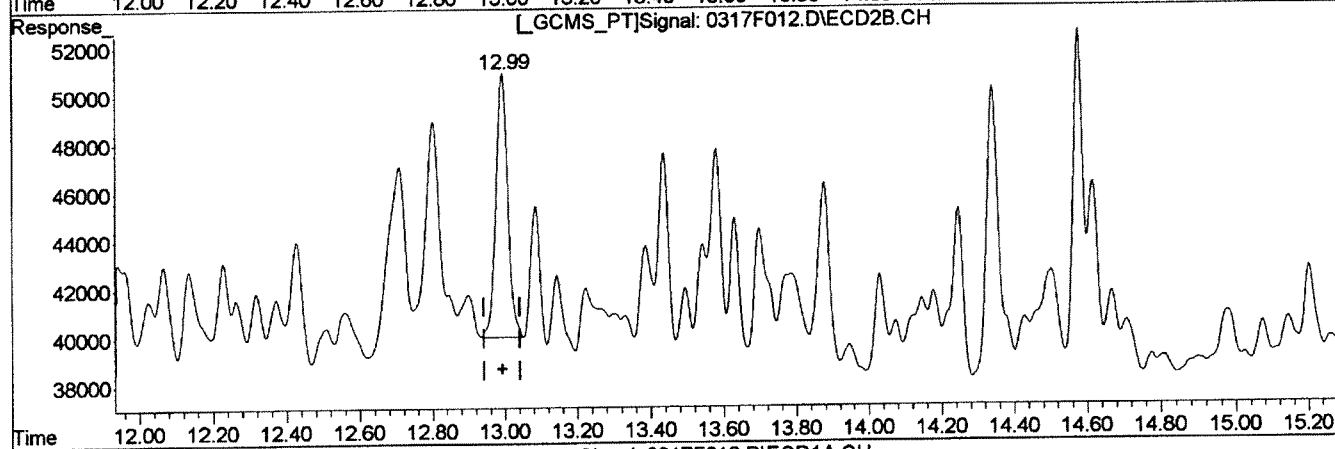
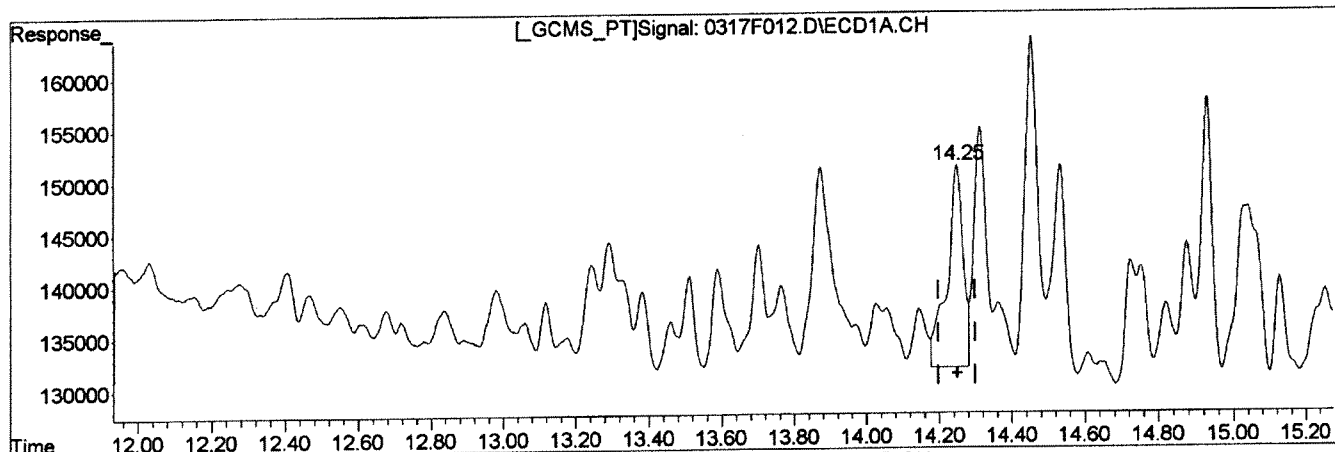
Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD1A.CH Vial: 80
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD2B.CH
 Acq On : 17 Mar 2014 6:25 pm Operator: SMURRAY
 Sample : TOX @ 200ppb GCPS7-77J Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F012.D\ECD1A.CH		Manual Integration:
(30) Toxaphene		Before
14.25min	567.858ug/L	
response	58440	03/18/14
(30) Toxaphene #2		
12.99min	482.532ug/L	
response	25223	

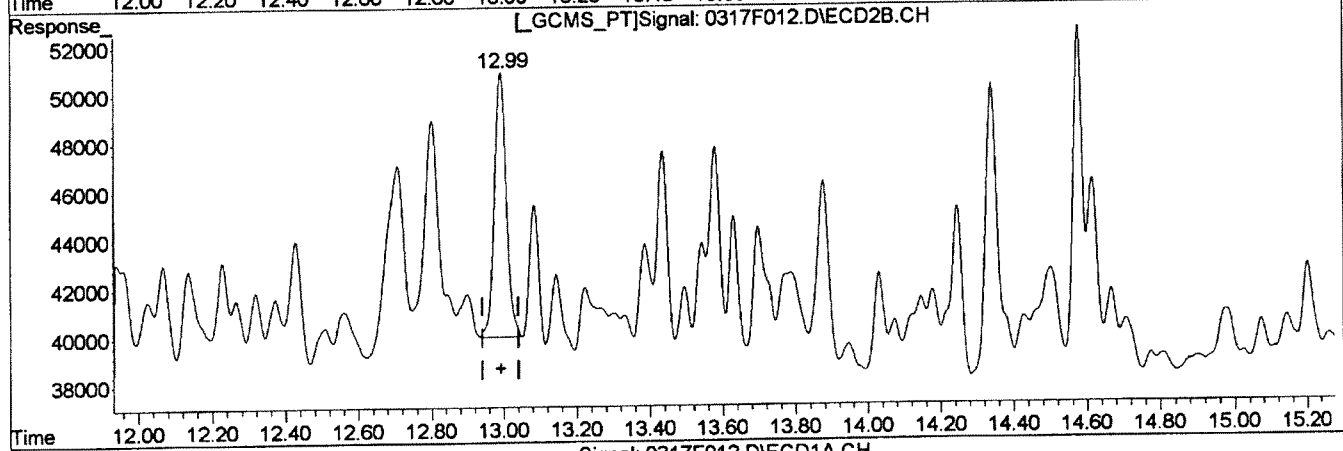
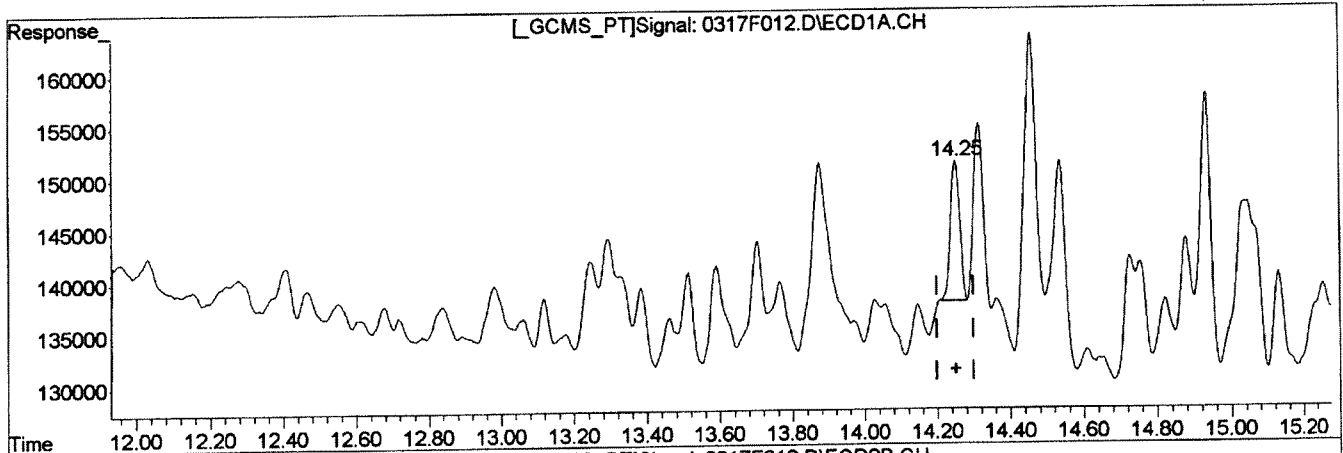
(+) = Expected Retention Time
 0317F012.D GC23-031714-8081.M

Tue Mar 18 16:20:36 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD1A.CH Vial: 80
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD2B.CH
 Acq On : 17 Mar 2014 6:25 pm Operator: SMURRAY
 Sample : TOX @ 200ppb GCPS7-77J Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F012.D\ECD1A.CH		Manual Integration:
(30) Toxaphene		After
14.25min 231.963ug/L m		Baseline/Shoulder
response 23872		03/18/14
(30) Toxaphene #2		
12.99min 482.532ug/L		
response 25223		

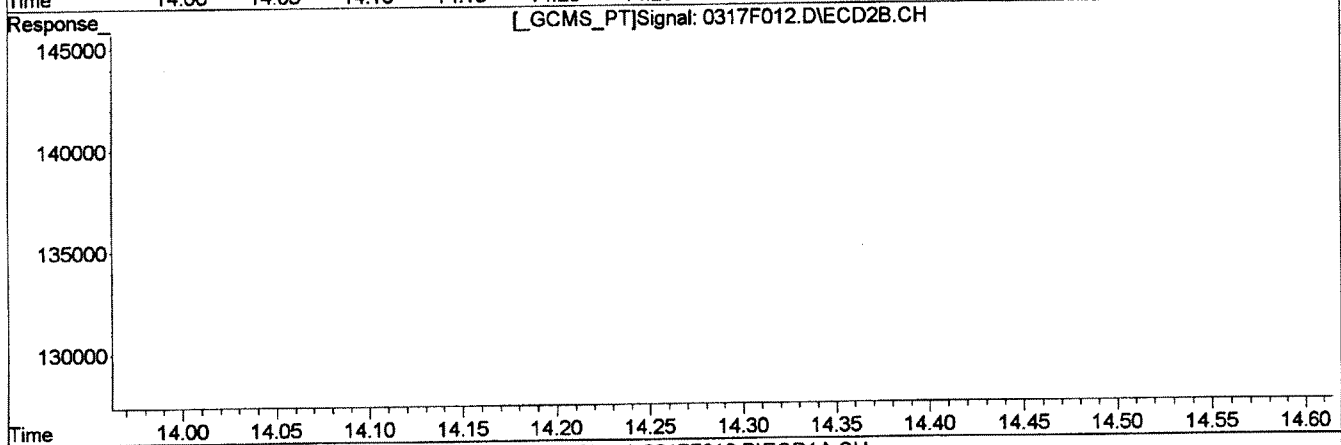
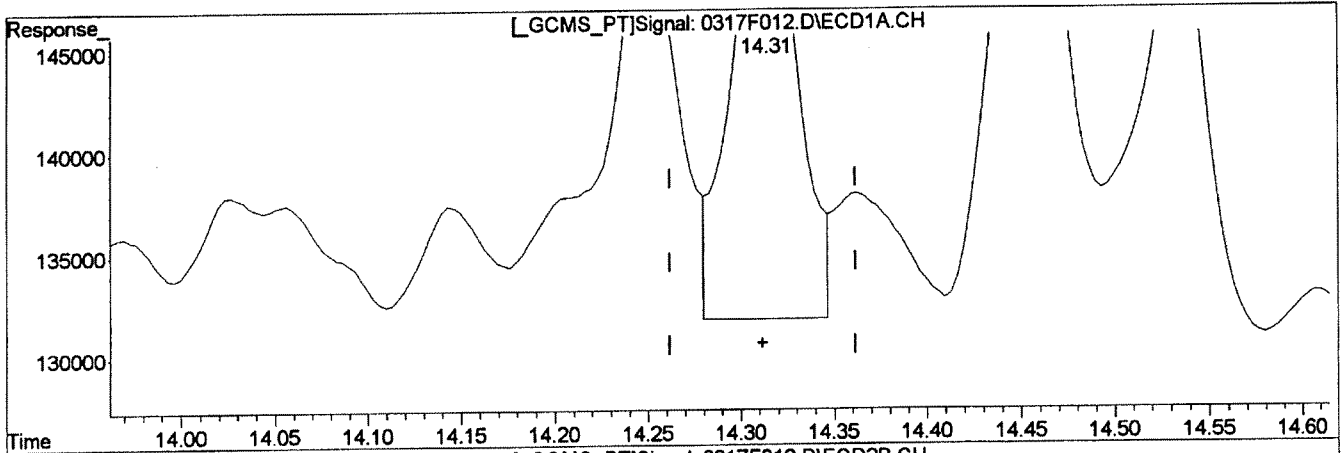
(+) = Expected Retention Time
 0317F012.D GC23-031714-8081.M

Tue Mar 18 16:20:41 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD1A.CH Vial: 80
Signal #2 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD2B.CH
Acq On : 17 Mar 2014 6:25 pm Operator: SMURRAY
Sample : TOX @ 200ppb GCPS7-77J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F012.D\ECD1A.CH

Retention Time	Concentration	Response	Integration Status	Date
(31) Toxaphene {2}			Manual Integration:	
14.31min	369.579ug/L	54519	Before	
(31) Toxaphene {2} #2				03/18/14
13.08min	93.047ug/L	10185		

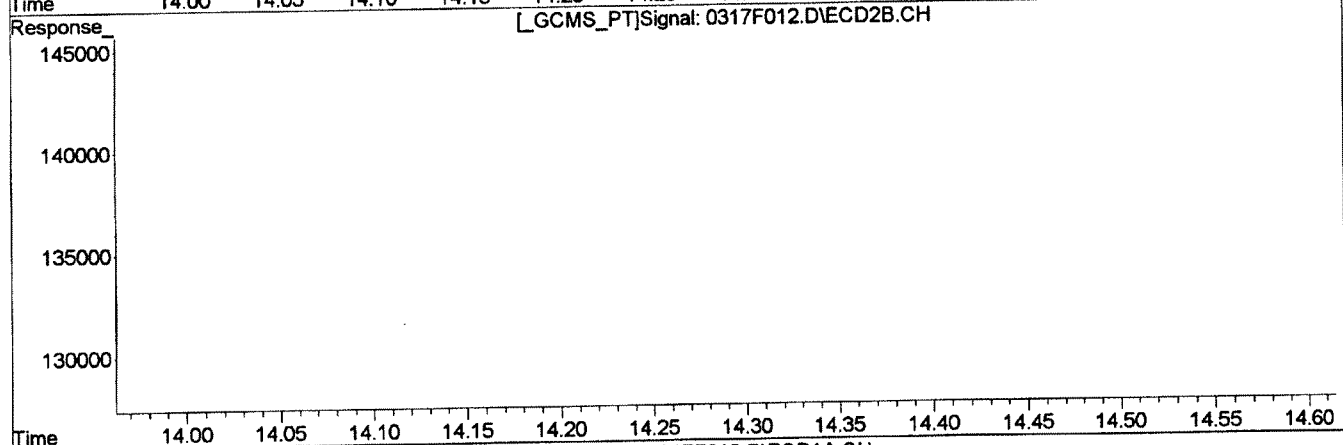
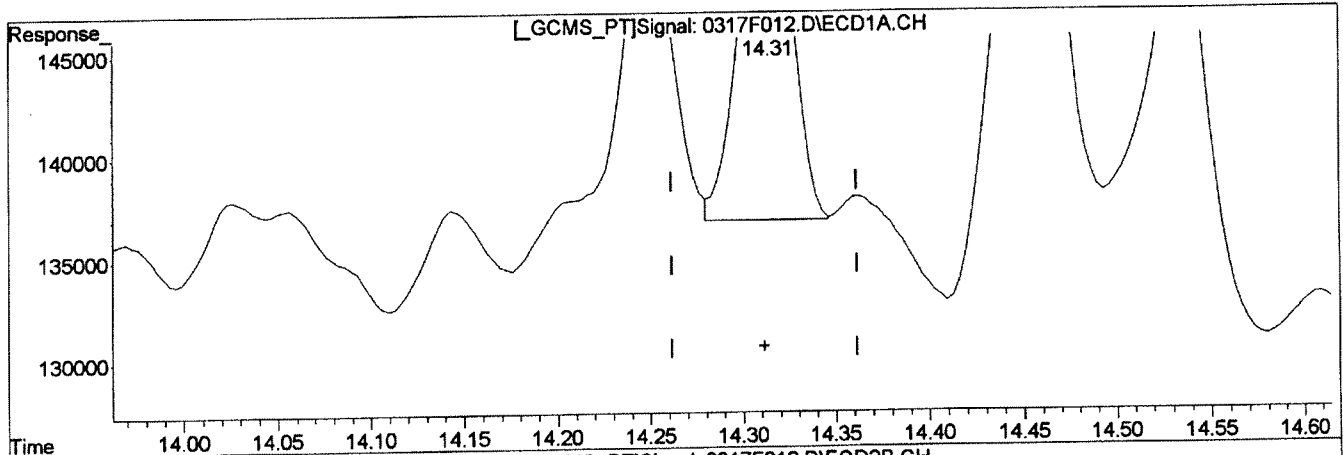
(+) = Expected Retention Time
0317F012.D GC23-031714-8081.M

Tue Mar 18 16:20:43 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD1A.CH Vial: 80
Signal #2 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD2B.CH
Acq On : 17 Mar 2014 6:25 pm Operator: SMURRAY
Sample : TOX @ 200ppb GCPS7-77J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

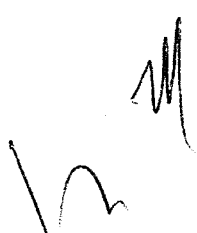
Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F012.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response	Notes
14.31	233.580	34457	(31) Toxaphene (2)
13.08	93.047	10185	(31) Toxaphene (2) #2

Manual Integration:
After
Baseline/Shoulder
03/18/14



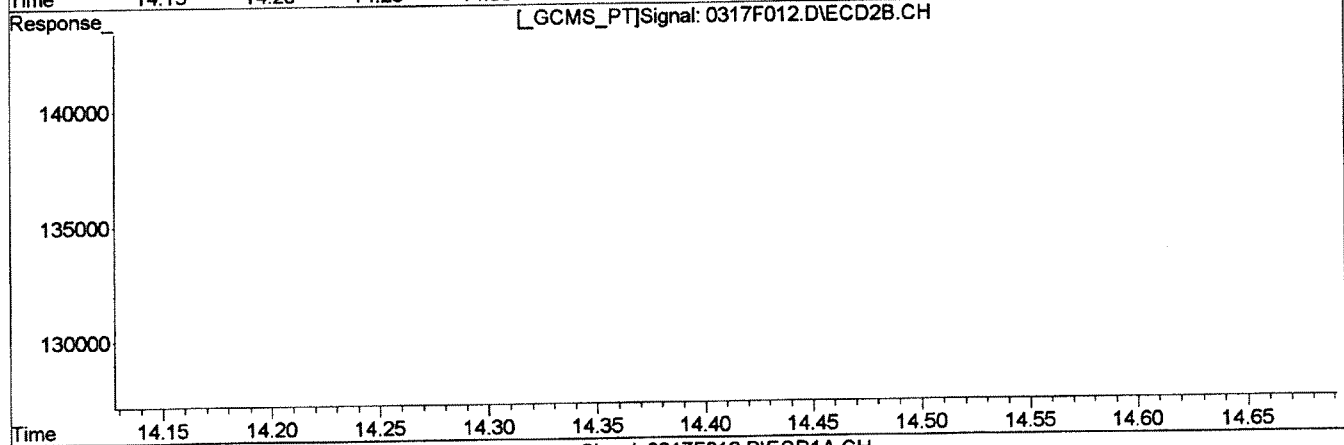
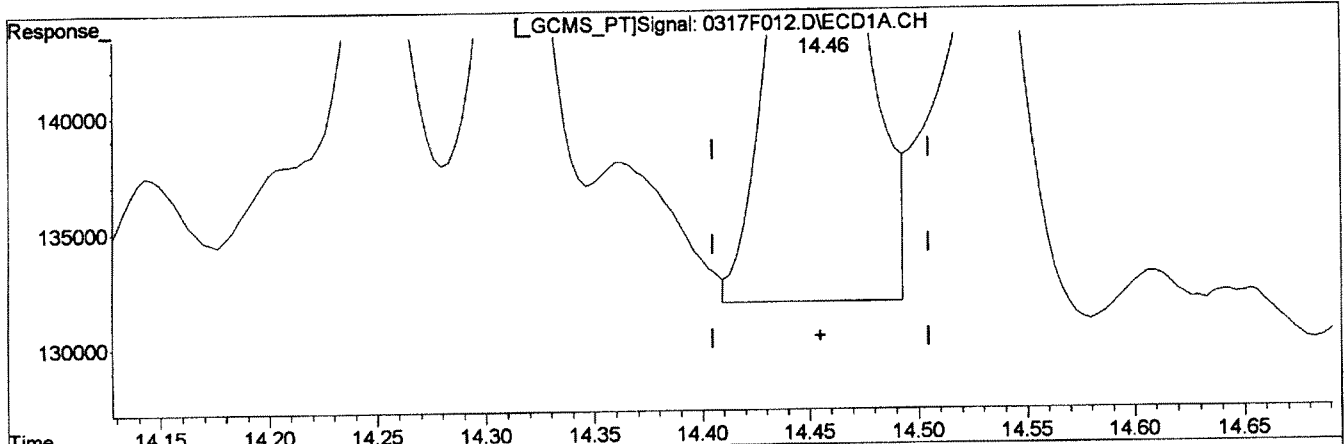
(+) = Expected Retention Time
0317F012.D GC23-031714-8081.M

Tue Mar 18 16:20:48 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD1A.CH Vial: 80
Signal #2 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD2B.CH
Acq On : 17 Mar 2014 6:25 pm Operator: SMURRAY
Sample : TOX @ 200ppb GCPS7-77J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F012.D\ECD1A.CH

Retention Time	Concentration	Response	Integration Status
(32) Toxaphene {3}			Manual Integration:
14.46min	215.707ug/L	78523	Before
(32) Toxaphene {3} #2			03/18/14
13.44min	338.964ug/L	14020	

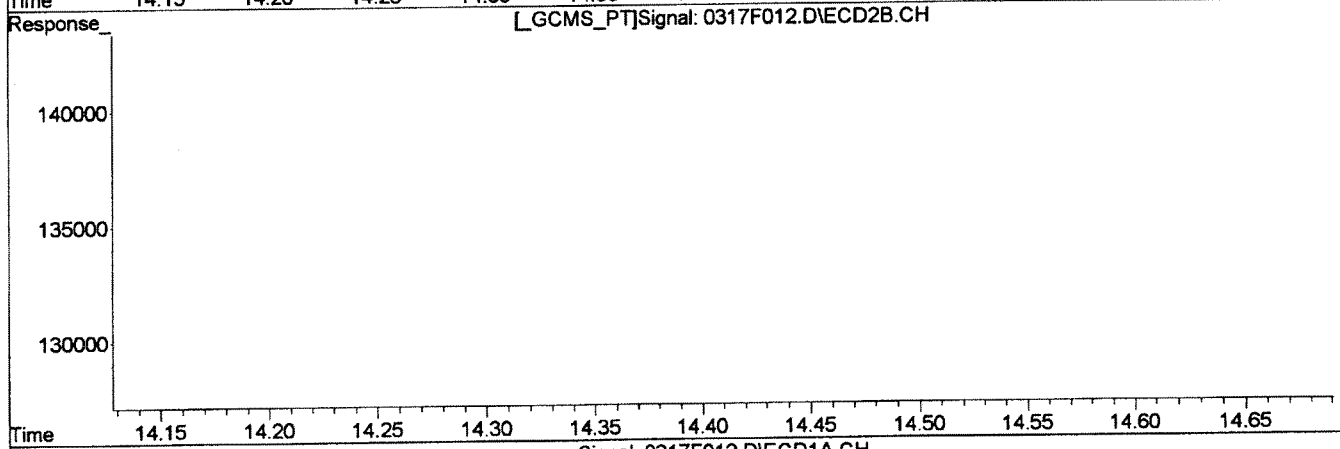
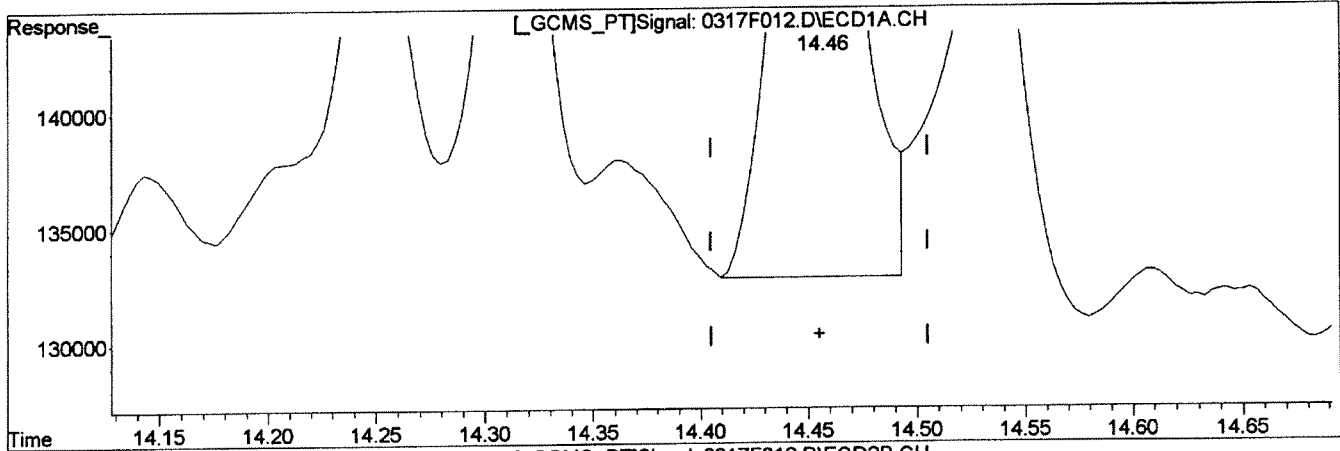
(+) = Expected Retention Time
0317F012.D GC23-031714-8081.M

Tue Mar 18 16:20:51 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD1A.CH Vial: 80
Signal #2 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD2B.CH
Acq On : 17 Mar 2014 6:25 pm Operator: SMURRAY
Sample : TOX @ 200ppb GCPS7-77J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F012.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
(32) Toxaphene {3}		
14.46min	202.507ug/L	73718
(32) Toxaphene {3} #2		
13.44min	338.964ug/L	14020

Manual Integration:
After
Baseline/Shoulder
03/18/14

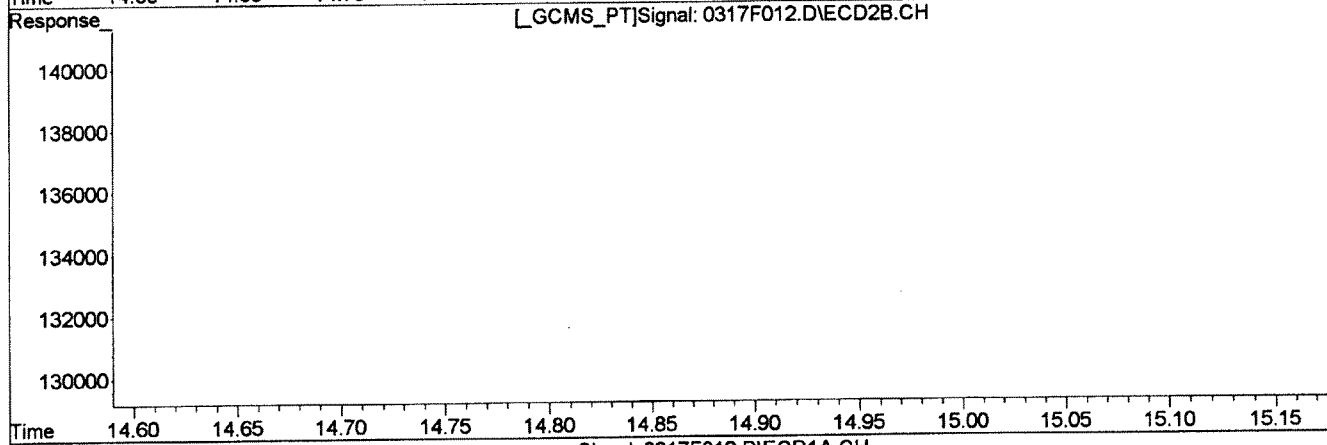
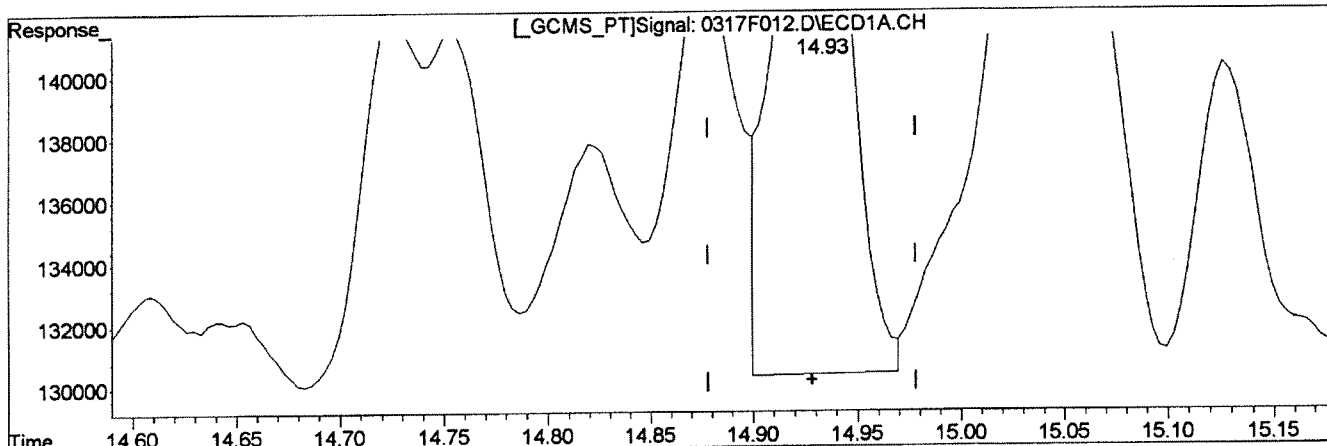
(+) = Expected Retention Time
0317F012.D GC23-031714-8081.M

Tue Mar 18 16:20:57 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD1A.CH Vial: 80
Signal #2 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD2B.CH
Acq On : 17 Mar 2014 6:25 pm Operator: SMURRAY
Sample : TOX @ 200ppb GCPS7-77J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F012.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response	Integration Status	Date
(34) Toxaphene (5)			Manual Integration: Before	
14.93min	236.682ug/L	55937		03/18/14
(34) Toxaphene (5) #2				
14.34min	403.572ug/L	29879		

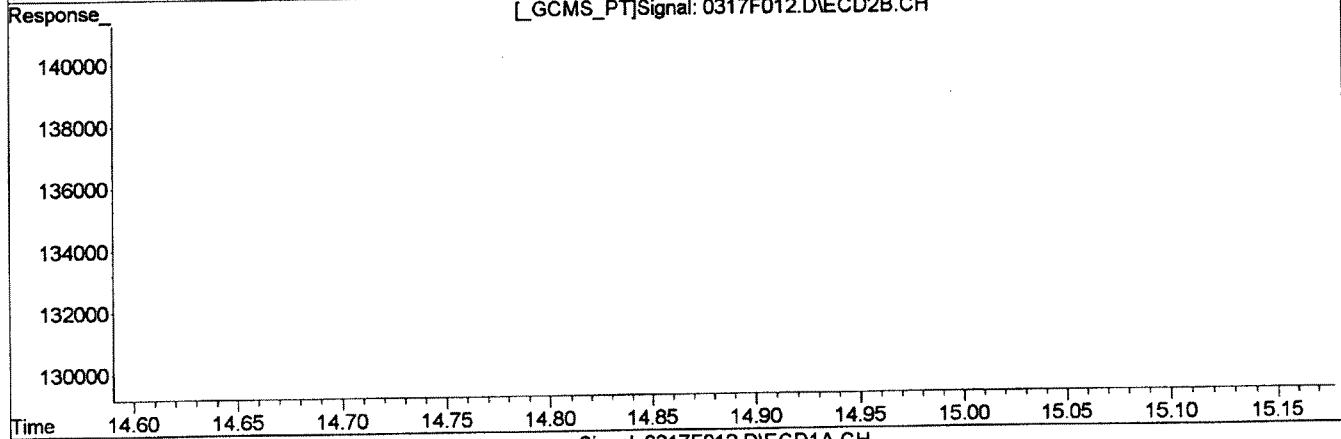
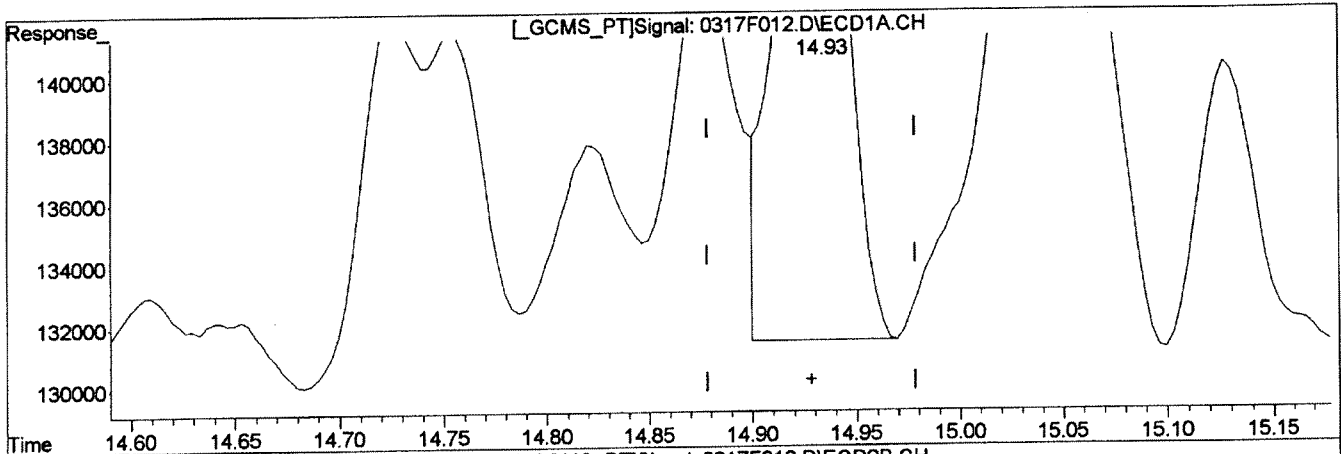
(+) = Expected Retention Time
0317F012.D GC23-031714-8081.M

Tue Mar 18 16:21:01 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD1A.CH Vial: 80
Signal #2 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD2B.CH
Acq On : 17 Mar 2014 6:25 pm Operator: SMURRAY
Sample : TOX @ 200ppb GCPS7-77J Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F012.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response	Integration Status	Date
(34) Toxaphene {5}	217.438	51389	Manual Integration: After	03/18/14
(34) Toxaphene {5} #2	403.572	29879	Baseline/Shoulder	

Handwritten signature and scribbles are present in the bottom right area of the table.

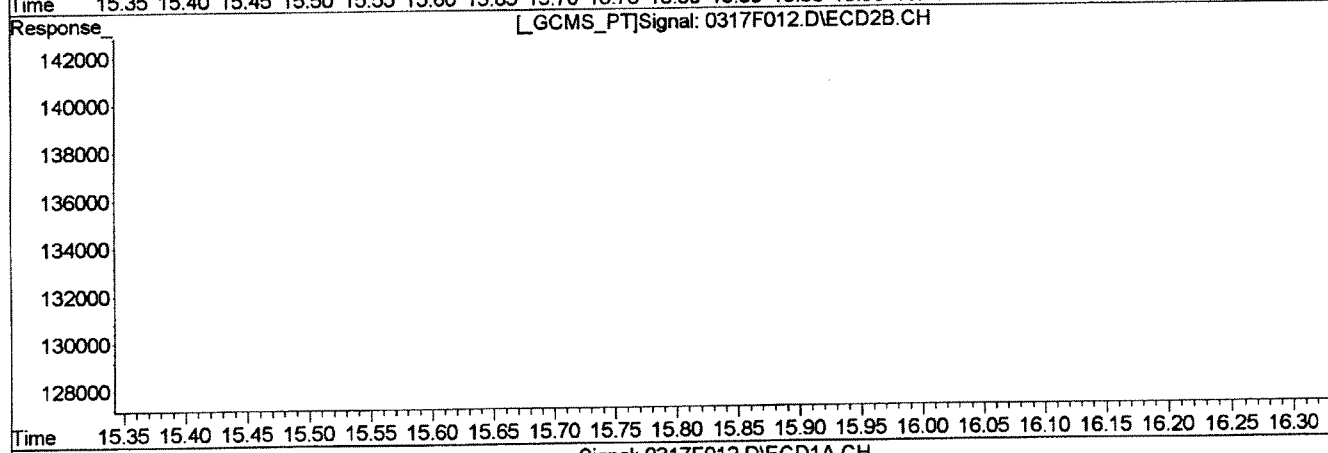
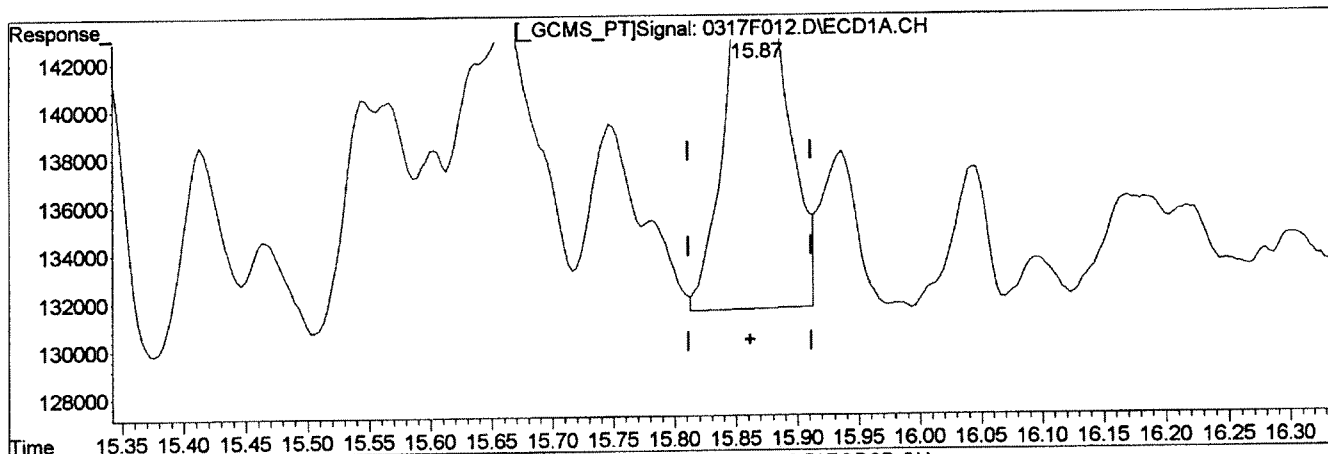
(+) = Expected Retention Time
0317F012.D GC23-031714-8081.M

Tue Mar 18 16:21:06 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD1A.CH Vial: 80
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD2B.CH
 Acq On : 17 Mar 2014 6:25 pm Operator: SMURRAY
 Sample : TOX @ 200ppb GCPS7-77J Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F012.D\ECD1A.CH		Manual Integration:
(35) Toxaphene (6)		Before
15.87min 170.923ug/L		
response 67635		03/18/14
(35) Toxaphene (6) #2		<i>[Signature]</i>
14.58min 210.553ug/L		
response 23189		<i>[Signature]</i>

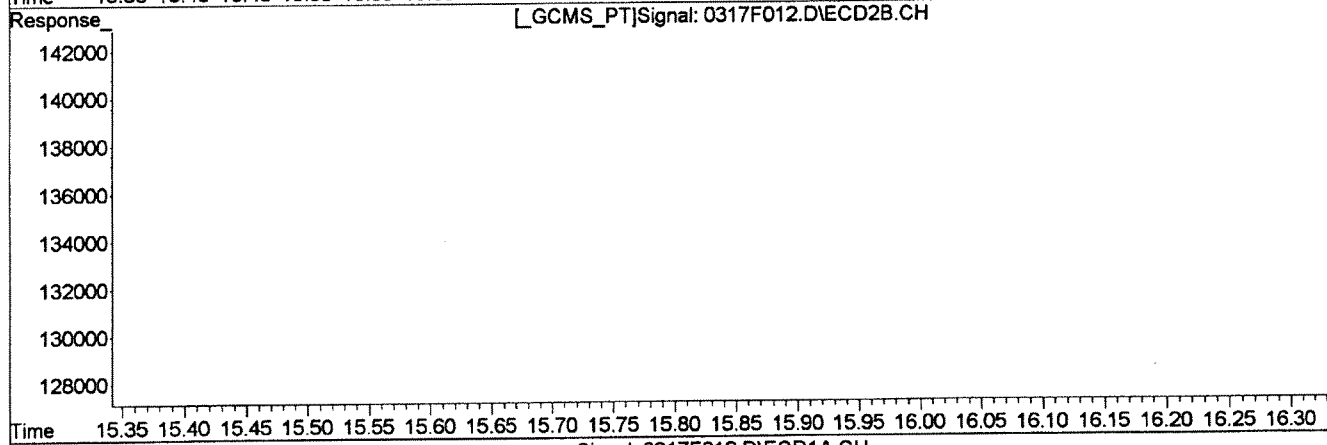
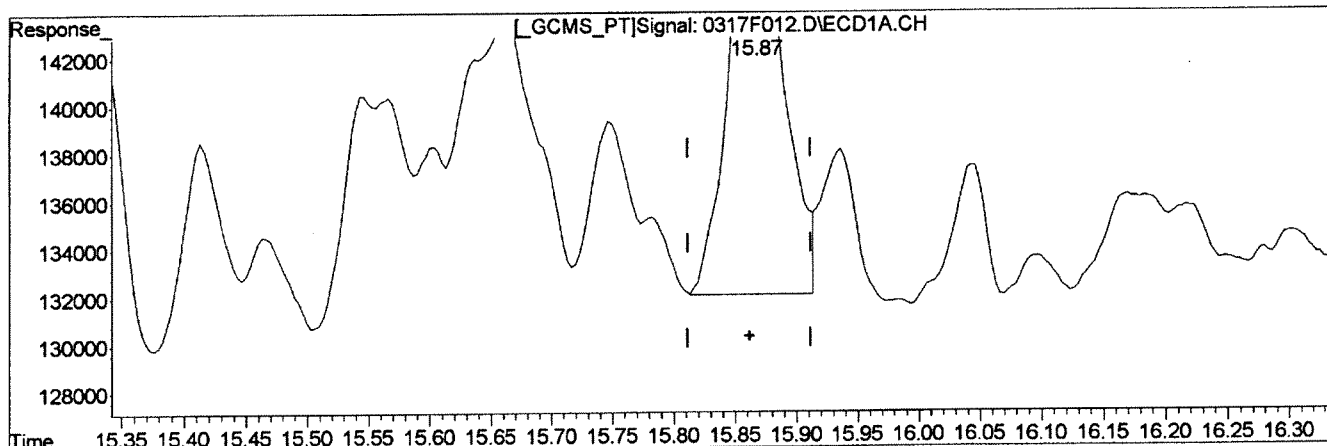
(+) = Expected Retention Time
 0317F012.D GC23-031714-8081.M

Tue Mar 18 16:21:09 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD1A.CH Vial: 80
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F012.D\ECD2B.CH
 Acq On : 17 Mar 2014 6:25 pm Operator: SMURRAY
 Sample : TOX @ 200ppb GCPS7-77J Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F012.D\ECD1A.CH		Manual Integration:
(35) Toxaphene (6)		After
15.87min 163.728ug/L m		Baseline/Shoulder
response 64788		03/18/14
(35) Toxaphene (6) #2		
14.58min 210.553ug/L		
response 23189		

(+) = Expected Retention Time
 0317F012.D GC23-031714-8081.M

Tue Mar 18 16:21:13 2014

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD1A.CH Vial: 81
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD2B.CH
 Acq On : 17 Mar 2014 6:54 pm Operator: SMURRAY
 Sample : TOX @ 250ppb GCPS7-77K Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19:48 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

Internal Standards						
29) 1-Bromo-2-nitrob	5.92	5.39	1729256	634375	100.000	100.000

System Monitoring Compounds

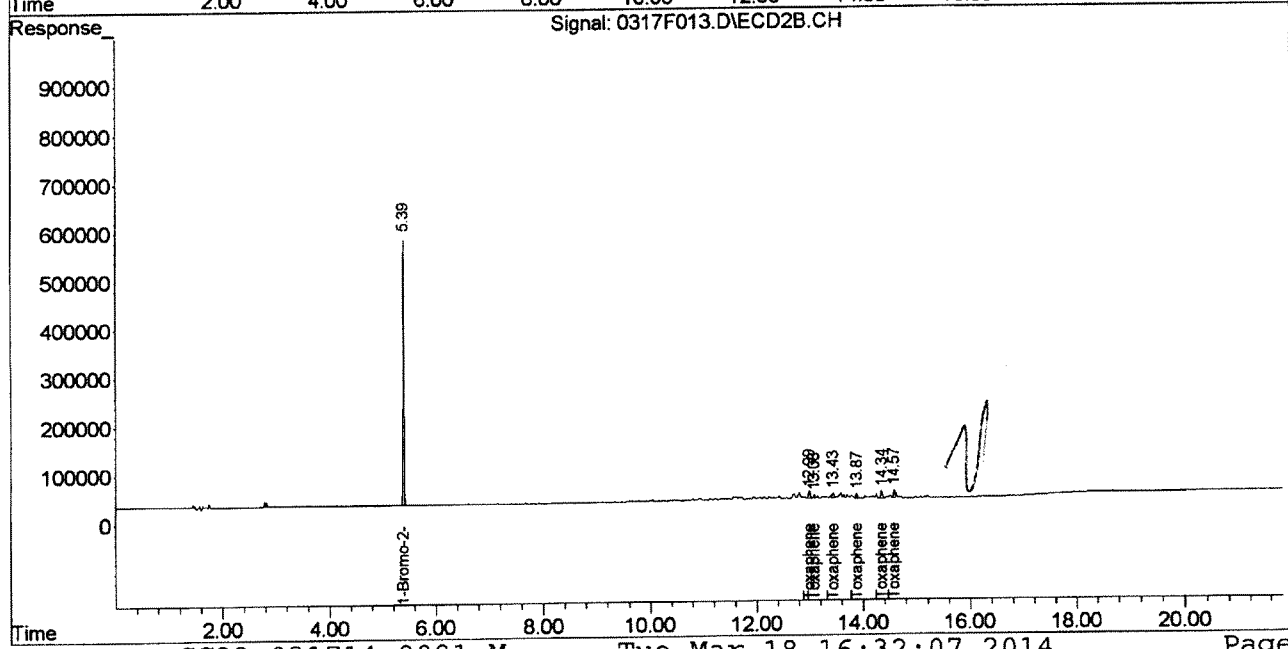
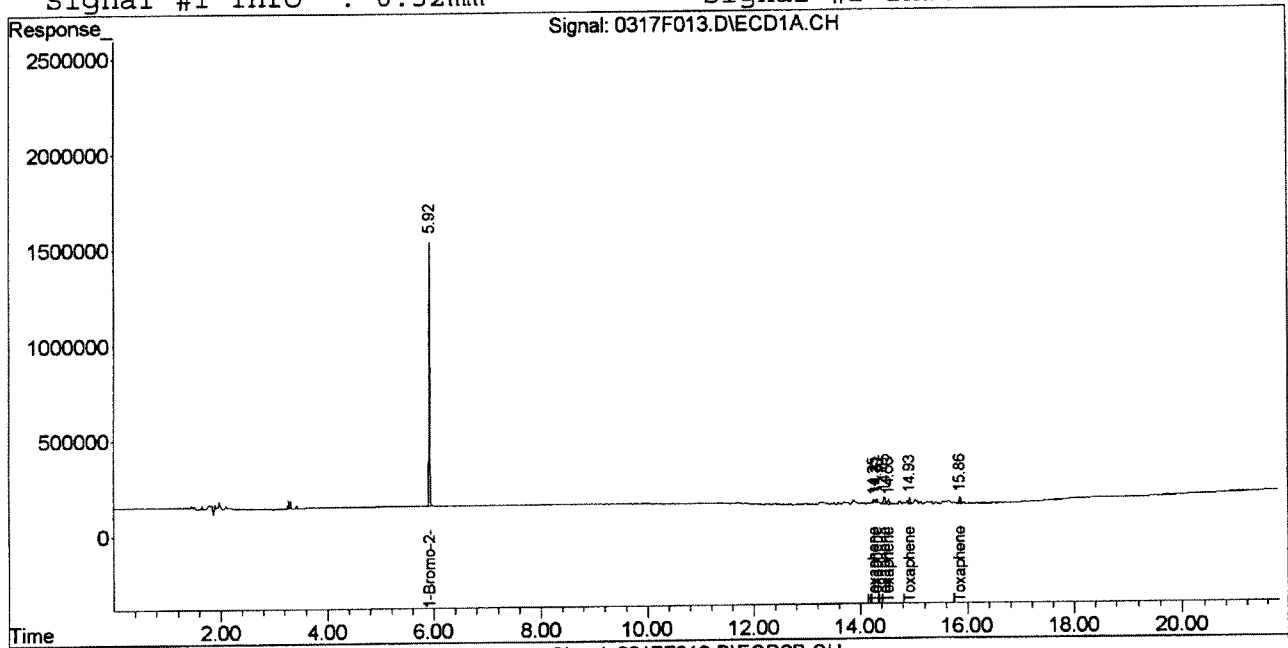
Target Compounds						
30)	Toxaphene	14.25	12.99	30491	32925	273.632m 589.129 #
31)	Toxaphene {2}	14.31	13.08	46171	13381	289.064m 114.336 #
32)	Toxaphene {3}	14.45	13.43	98804	18772	250.673 424.493m#
33)	Toxaphene {4}	14.53	13.87	67802	21590	262.614 327.905m
34)	Toxaphene {5}	14.93	14.34	67998	39232	265.722 495.622 #
35)	Toxaphene {6}	15.86	14.57	85612	30134	199.816 255.912m#

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD1A.CH Vial: 81
Signal #2 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD2B.CH
Acq On : 17 Mar 2014 6:54 pm Operator: SMURRAY
Sample : TOX @ 250ppb GCPS7-77K Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:22 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration
DataAcq Meth : PESTNEW.M

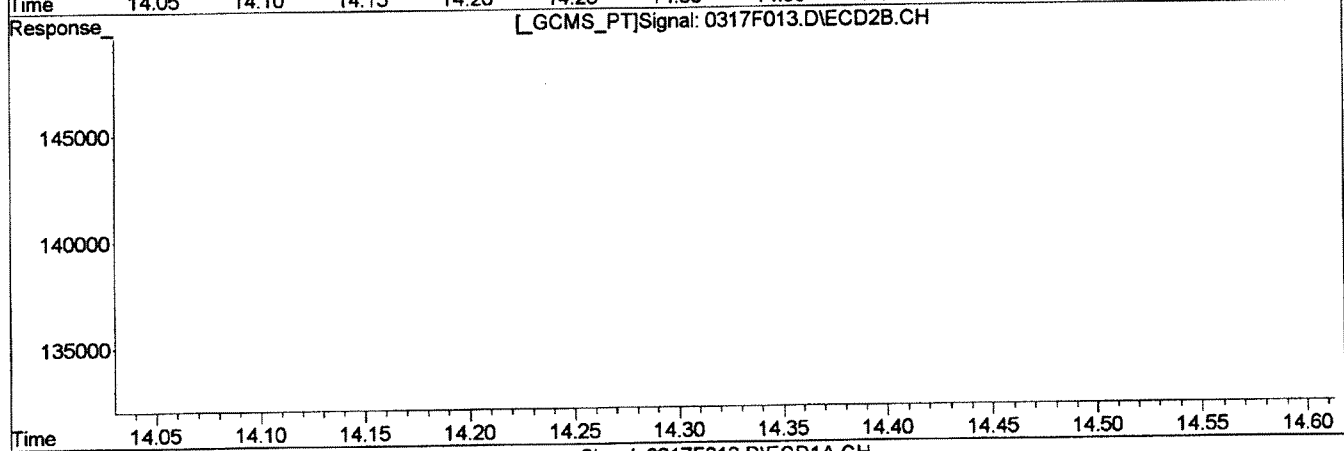
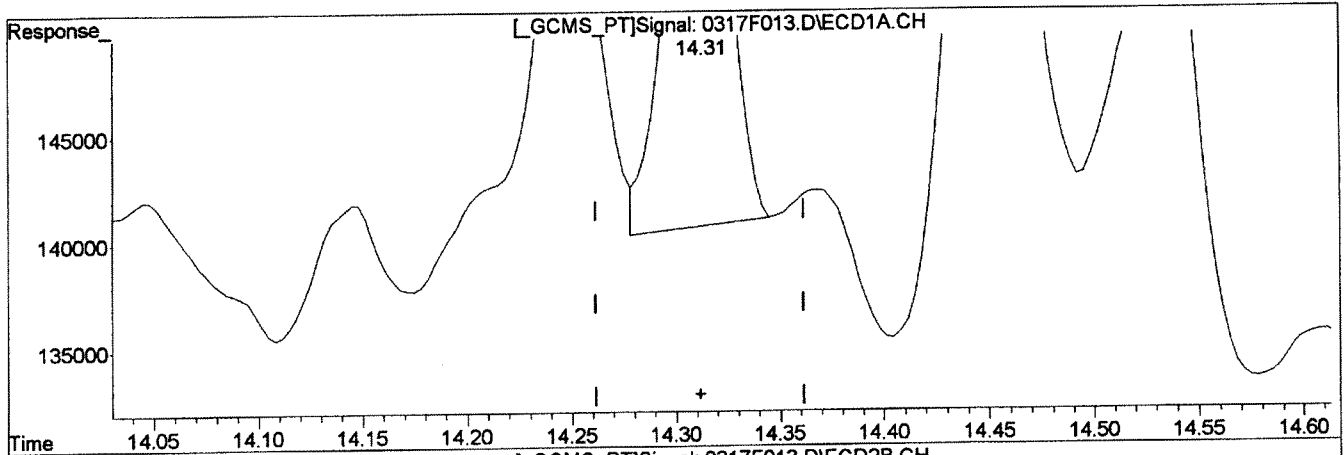
Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD1A.CH Vial: 81
Signal #2 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD2B.CH
Acq On : 17 Mar 2014 6:54 pm Operator: SMURRAY
Sample : TOX @ 250ppb GCPS7-77K Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F013.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response	Integration Status	Date
(31) Toxaphene (2)			Manual Integration:	
14.31min	298.242ug/L	47637	Before	
(31) Toxaphene (2) #2				03/18/14
13.08min	114.336ug/L	13381		

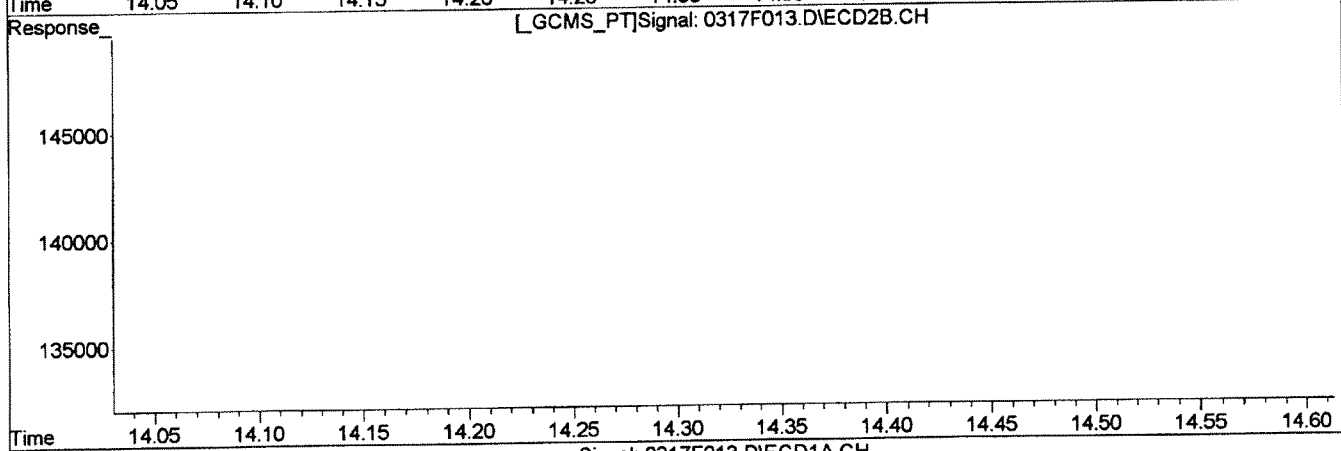
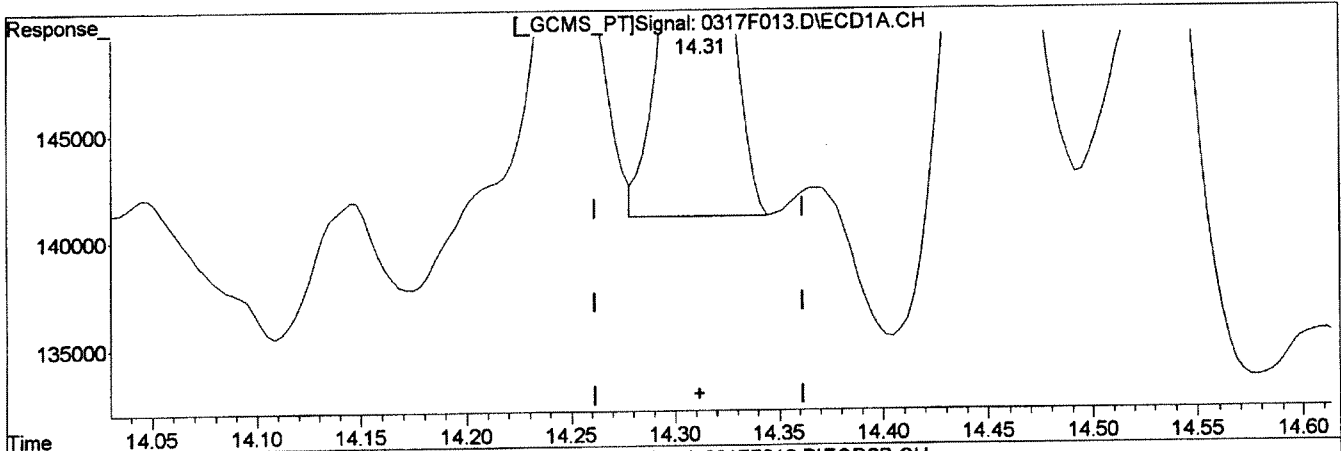
(+) = Expected Retention Time
0317F013.D GC23-031714-8081.M

Tue Mar 18 16:21:42 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD1A.CH Vial: 81
Signal #2 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD2B.CH
Acq On : 17 Mar 2014 6:54 pm Operator: SMURRAY
Sample : TOX @ 250ppb GCPS7-77K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F013.D\ECD1A.CH		Manual Integration:
(31) Toxaphene (2)		After
14.31min 289.064ug/L m		Baseline/Shoulder
response 46171		03/18/14
(31) Toxaphene (2) #2		
13.08min 114.336ug/L		
response 13381		

Handwritten signature or scribble, possibly indicating manual integration or verification.

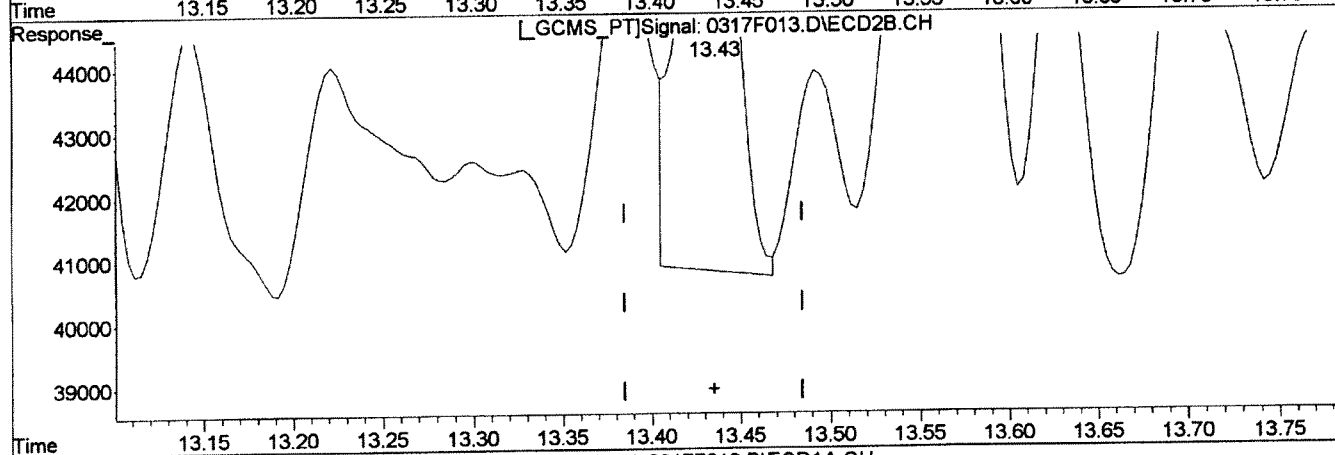
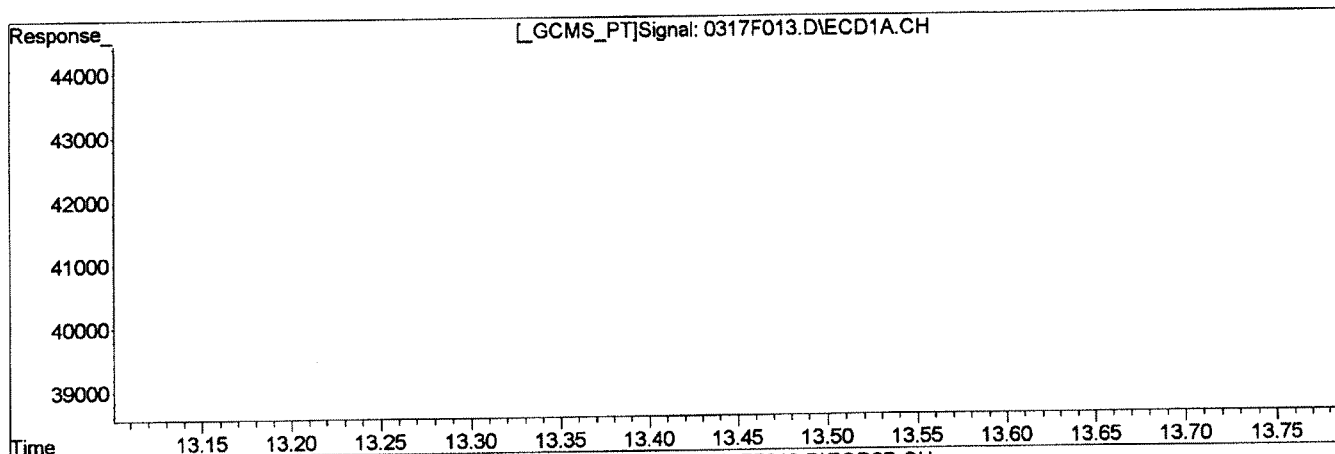
(+) = Expected Retention Time
0317F013.D GC23-031714-8081.M

Tue Mar 18 16:21:48 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD1A.CH Vial: 81
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD2B.CH
 Acq On : 17 Mar 2014 6:54 pm Operator: SMURRAY
 Sample : TOX @ 250ppb GCPS7-77K Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F013.D\ECD1A.CH		Manual Integration:
(32) Toxaphene (3)		Before
14.45min 250.673ug/L		
response 98804		03/18/14
(32) Toxaphene (3) #2		
13.43min 440.956ug/L		
response 19500		

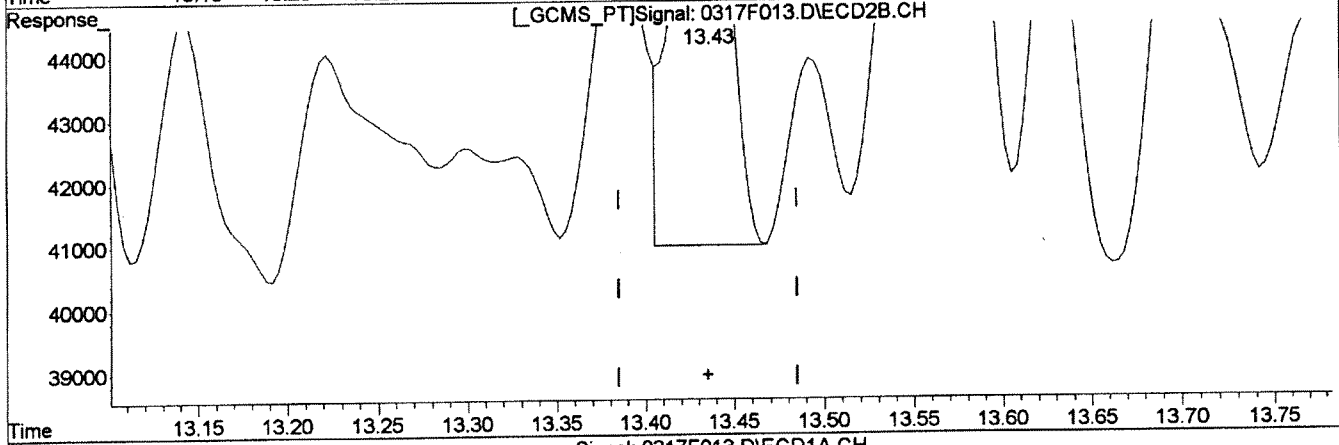
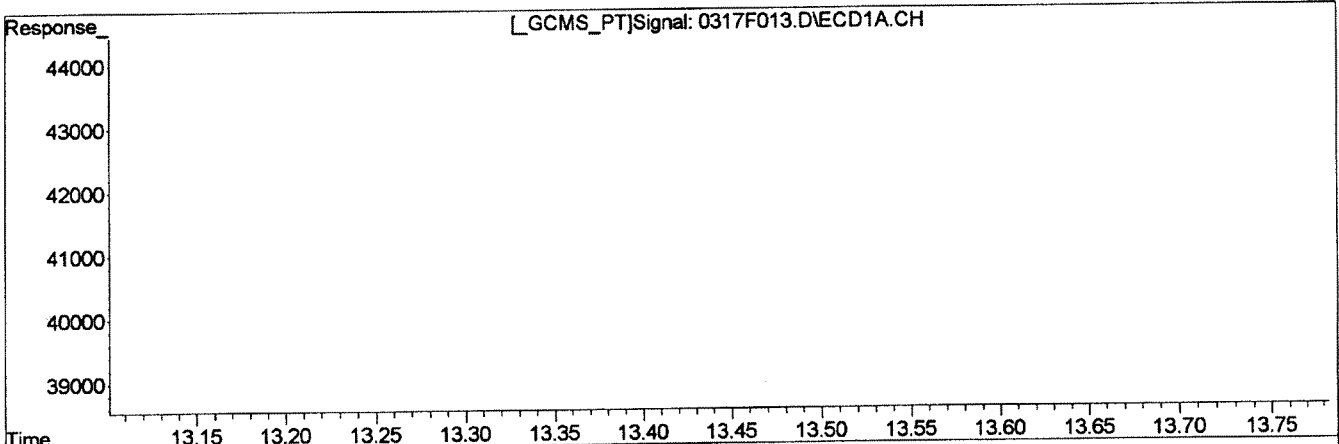
(+) = Expected Retention Time
 0317F013.D GC23-031714-8081.M

Tue Mar 18 16:21:51 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD1A.CH Vial: 81
Signal #2 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD2B.CH
Acq On : 17 Mar 2014 6:54 pm Operator: SMURRAY
Sample : TOX @ 250ppb GCPS7-77K Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F013.D\ECD1A.CH		Manual Integration:
(32) Toxaphene {3}		After
14.45min 250.673ug/L		Baseline/Shoulder
response 98804		03/18/14
(32) Toxaphene {3} #2		
13.43min 424.493ug/L m		
response 18772		

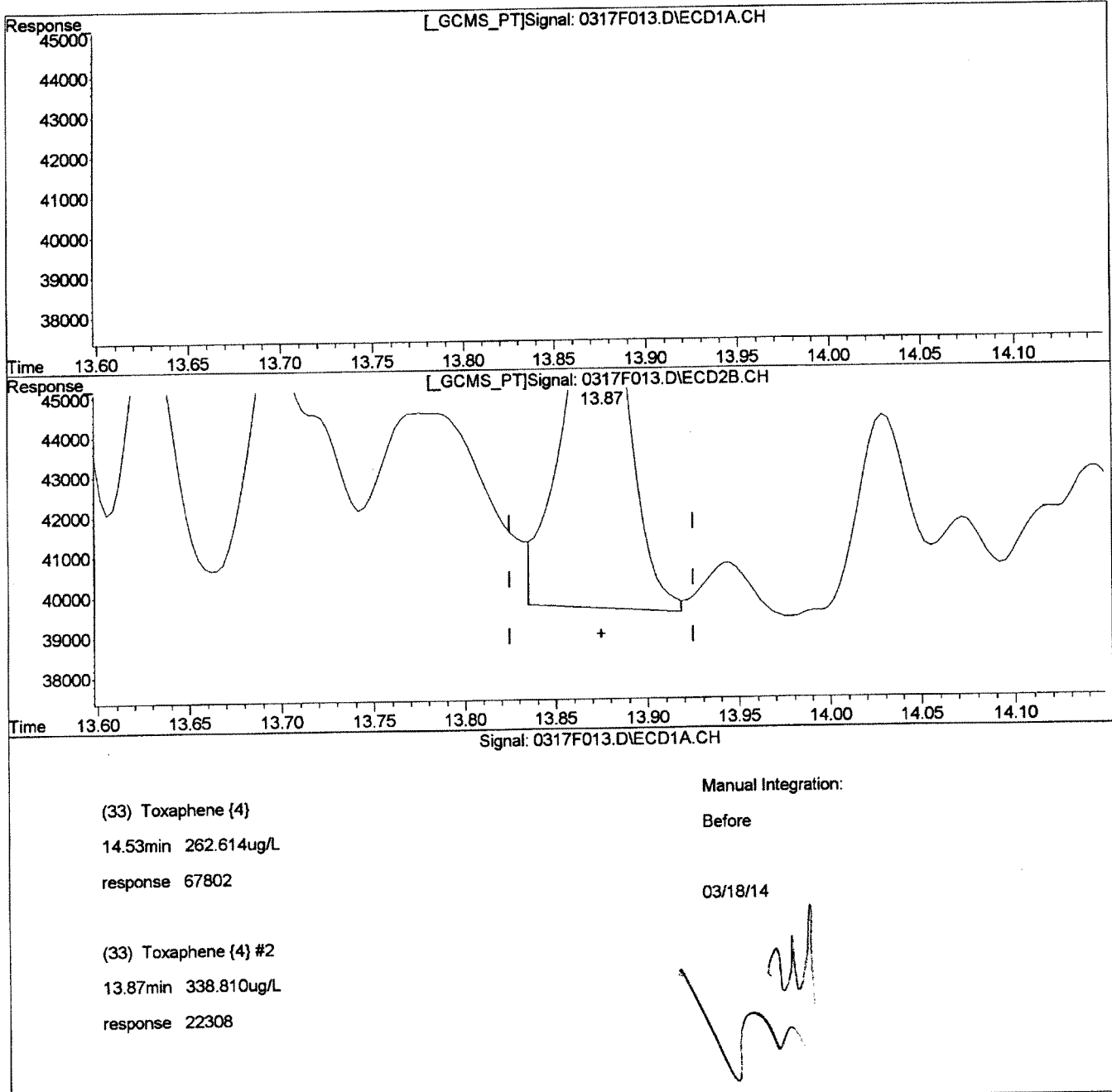
(+) = Expected Retention Time
0317F013.D GC23-031714-8081.M

Tue Mar 18 16:21:57 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD1A.CH Vial: 81
Signal #2 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD2B.CH
Acq On : 17 Mar 2014 6:54 pm Operator: SMURRAY
Sample : TOX @ 250ppb GCPS7-77K Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



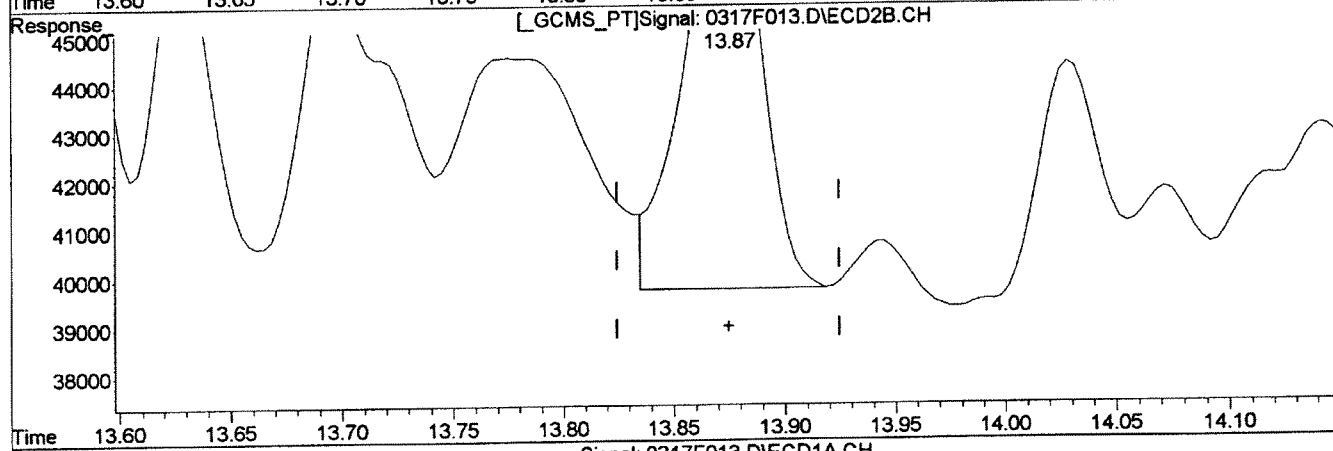
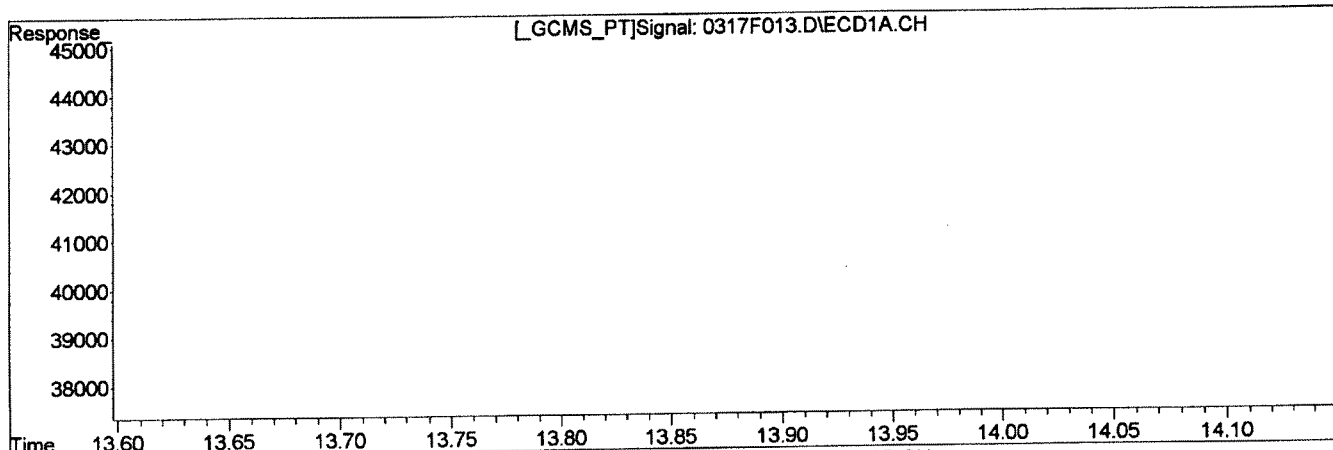
(+) = Expected Retention Time
0317F013.D GC23-031714-8081.M

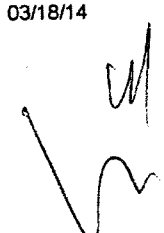
Tue Mar 18 16:22:00 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD1A.CH Vial: 81
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD2B.CH
 Acq On : 17 Mar 2014 6:54 pm Operator: SMURRAY
 Sample : TOX @ 250ppb GCPS7-77K Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F013.D\ECD1A.CH		Manual Integration:
(33) Toxaphene (4)		After
14.53min 262.614ug/L		Baseline/Shoulder
response 67802		03/18/14
(33) Toxaphene (4) #2		
13.87min 327.905ug/L m		
response 21590		

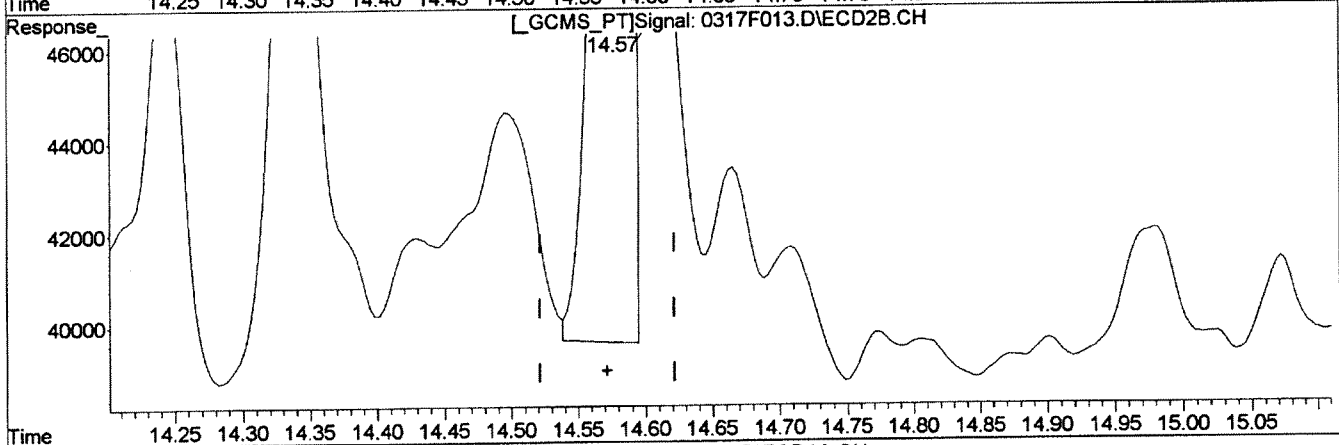
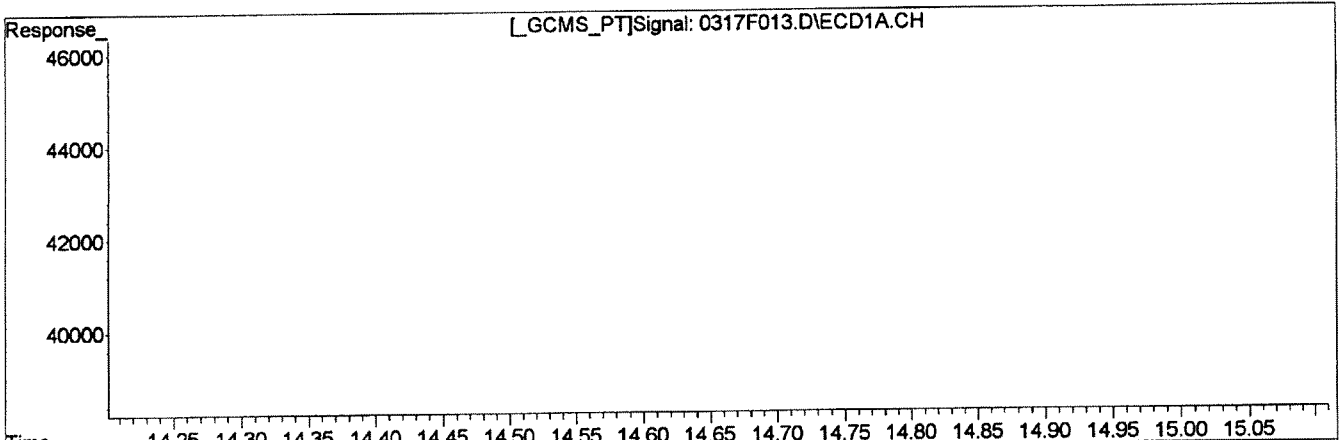
(+) = Expected Retention Time
 0317F013.D GC23-031714-8081.M



Tue Mar 18 16:22:05 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD1A.CH Vial: 81
Signal #2 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD2B.CH
Acq On : 17 Mar 2014 6:54 pm Operator: SMURRAY
Sample : TOX @ 250ppb GCPS7-77K Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F013.D\ECD1A.CH		Manual Integration:
(35) Toxaphene (6)		Before
15.86min 199.816ug/L		
response 85612		03/18/14
(35) Toxaphene (6) #2		
14.57min 269.364ug/L		
response 31718		

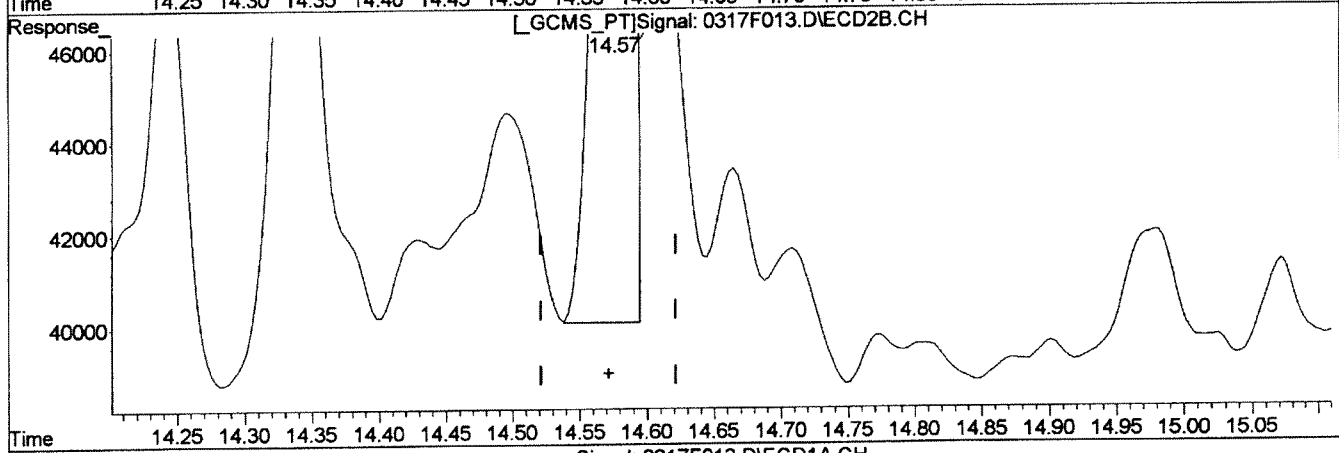
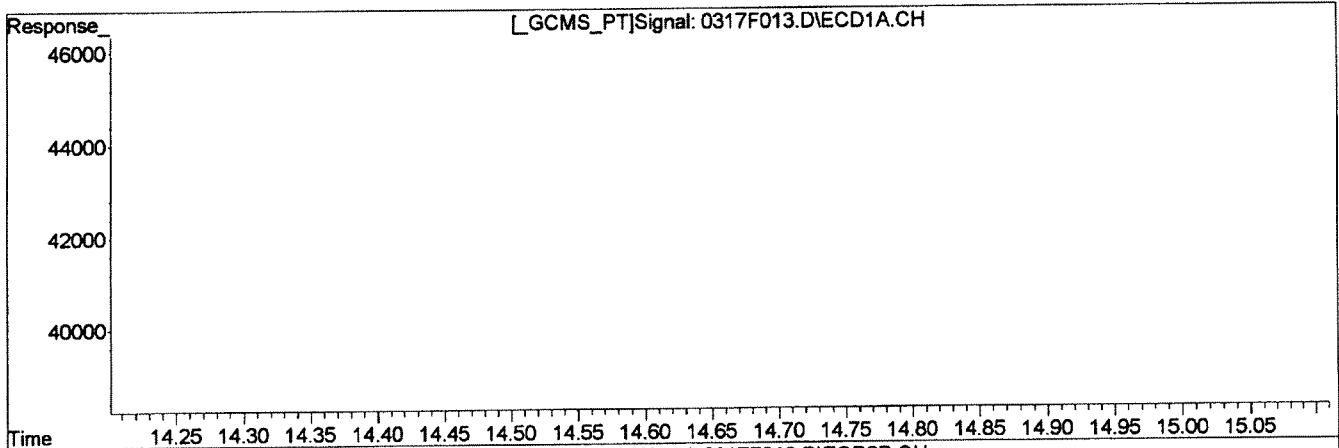
(+) = Expected Retention Time
0317F013.D GC23-031714-8081.M

Tue Mar 18 16:22:09 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD1A.CH Vial: 81
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD2B.CH
 Acq On : 17 Mar 2014 6:54 pm Operator: SMURRAY
 Sample : TOX @ 250ppb GCPS7-77K Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F013.D\ECD1A.CH		Manual Integration:
(35) Toxaphene (6)		After
15.86min 199.816ug/L		Baseline/Shoulder
response 85612		03/18/14
(35) Toxaphene (6) #2		
14.57min 255.912ug/L m		
response 30134		

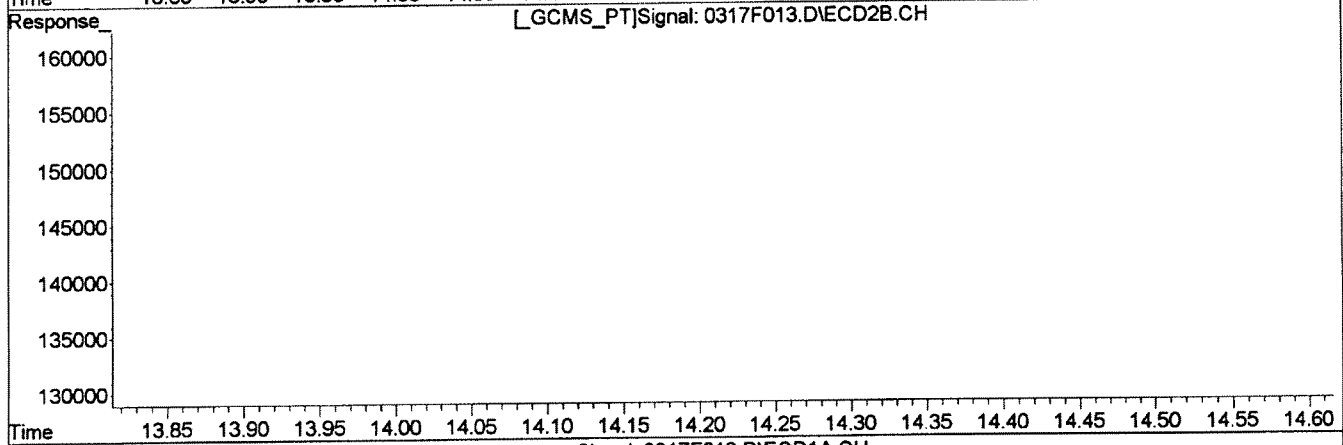
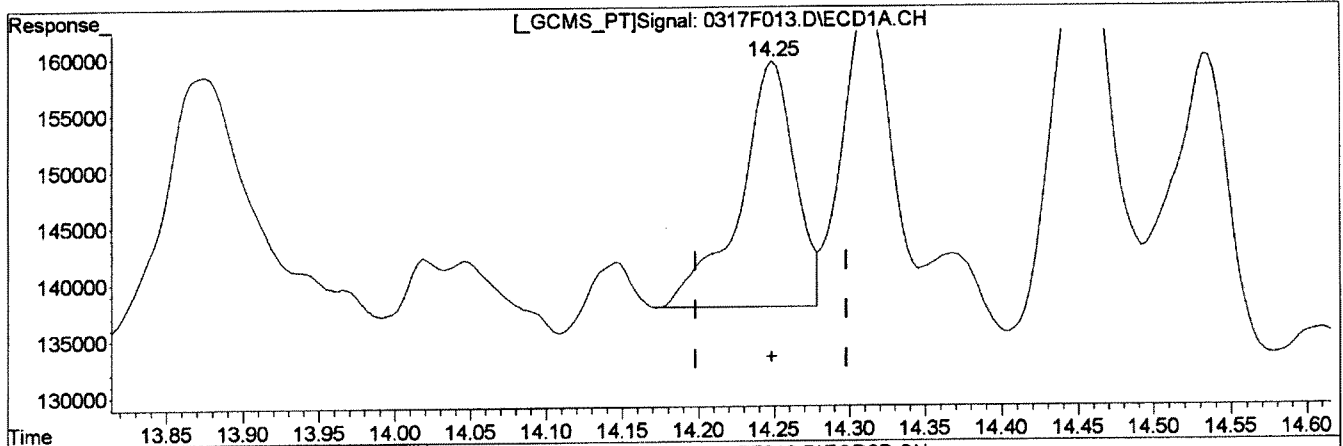
(+) = Expected Retention Time
 0317F013.D GC23-031714-8081.M

Tue Mar 18 16:22:14 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD1A.CH Vial: 81
Signal #2 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD2B.CH
Acq On : 17 Mar 2014 6:54 pm Operator: SMURRAY
Sample : TOX @ 250ppb GCPS7-77K Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F013.D\ECD1A.CH

Retention Time	Concentration	Response	Integration Status	Date
(30) Toxaphene	14.25min 499.288ug/L	55636	Manual Integration: Before	03/18/14
(30) Toxaphene #2	12.99min 589.129ug/L	32925		

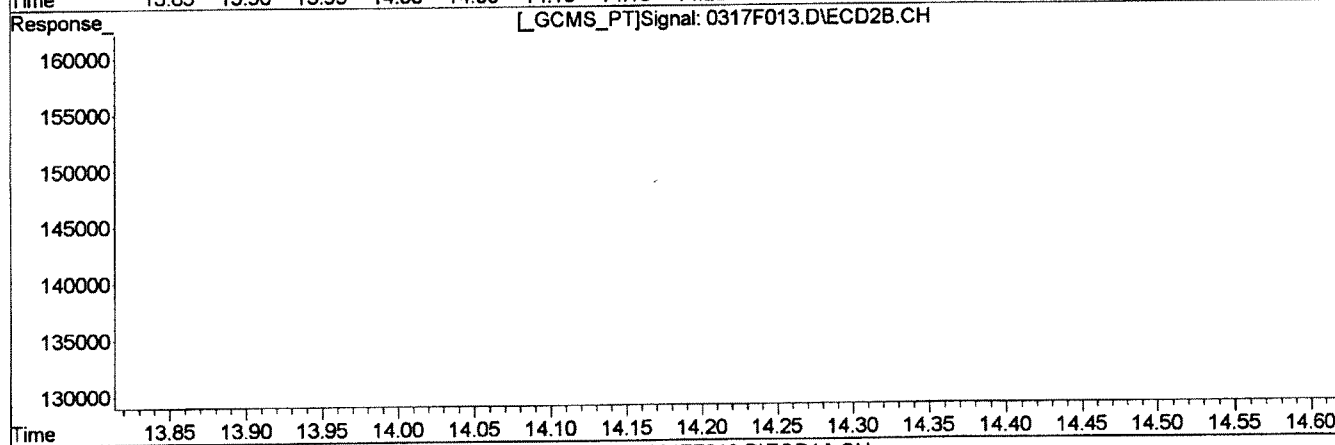
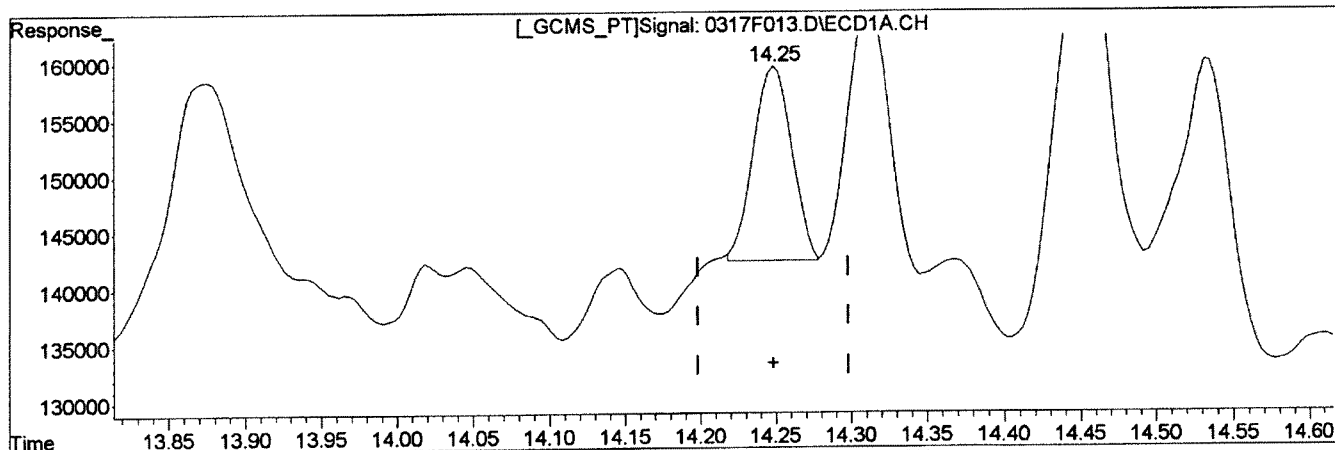
(+) = Expected Retention Time
0317F013.D GC23-031714-8081.M

Tue Mar 18 16:22:21 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD1A.CH Vial: 81
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F013.D\ECD2B.CH
 Acq On : 17 Mar 2014 6:54 pm Operator: SMURRAY
 Sample : TOX @ 250ppb GCPS7-77K Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F013.D\ECD1A.CH

(30) Toxaphene	Manual Integration:
14.25min 273.632ug/L m	After
response 30491	Baseline/Shoulder
	03/18/14
(30) Toxaphene #2	
12.99min 589.129ug/L	
response 32925	

(+) = Expected Retention Time
 0317F013.D GC23-031714-8081.M

Tue Mar 18 16:22:24 2014

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD1A.CH Vial: 82
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD2B.CH
 Acq On : 17 Mar 2014 7:23 pm Operator: SMURRAY
 Sample : TOX @ 500ppb GCPS7-77L Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19:50 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

Internal Standards						
29) 1-Bromo-2-nitrob	5.92	5.39	1729348	638338	100.000	100.000

System Monitoring Compounds

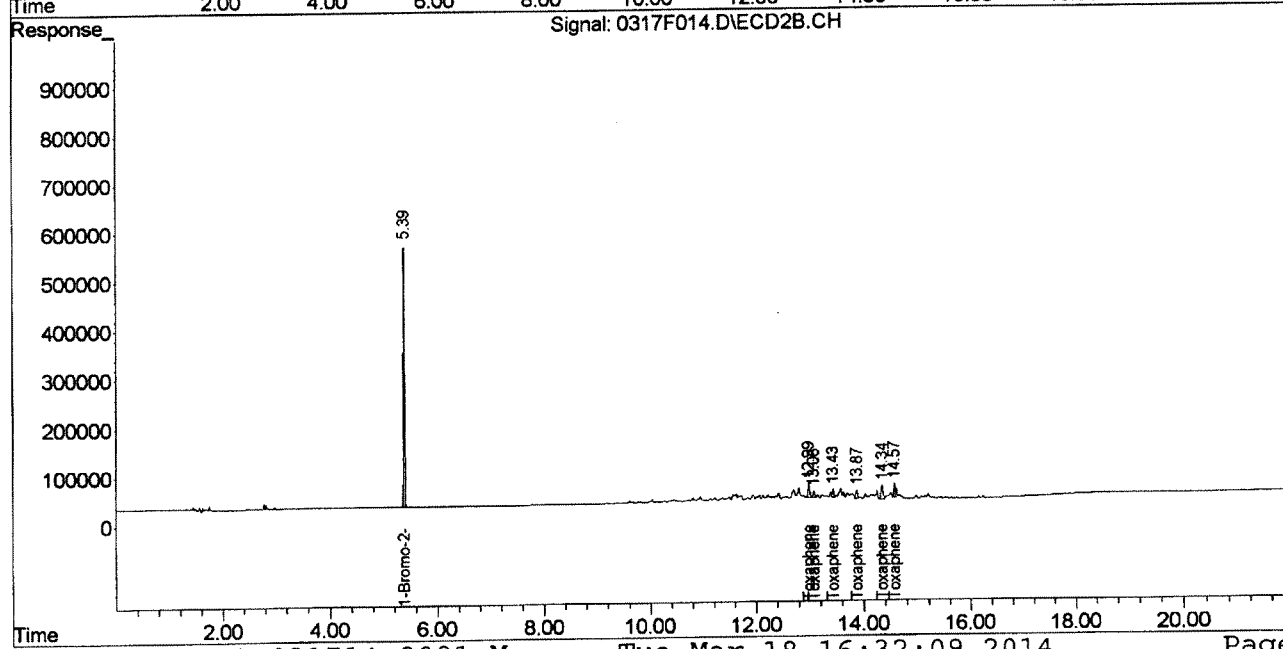
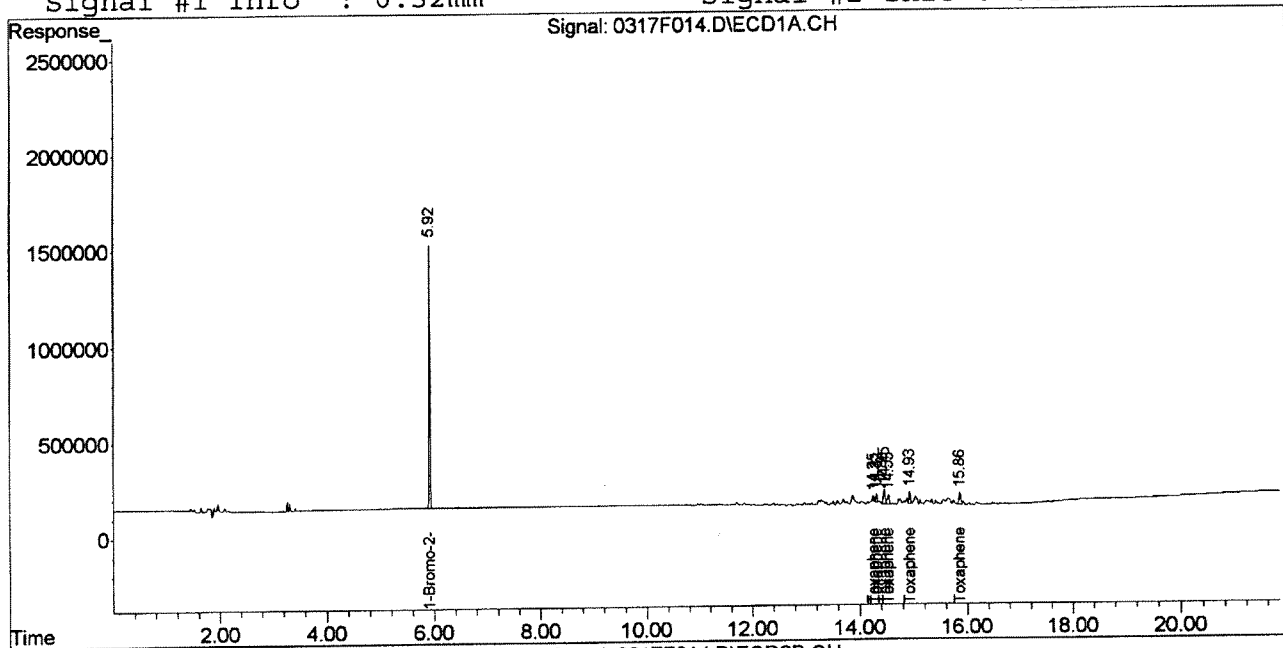
Target Compounds						
30)	Toxaphene	14.25	12.99	53008	63539	475.678m 1129.850 #
31)	Toxaphene {2}	14.31	13.08	82650	24938	517.421m 211.764 #
32)	Toxaphene {3}	14.45	13.43	193164	32261	490.044 724.992 #
33)	Toxaphene {4}	14.53	13.87	123620	38933	478.785 587.636
34)	Toxaphene {5}	14.93	14.34	125980	73697	492.277 925.242 #
35)	Toxaphene {6}	15.86	14.57	160981	53304	375.704 449.872m

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD1A.CH Vial: 82
Signal #2 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD2B.CH
Acq On : 17 Mar 2014 7:23 pm Operator: SMURRAY
Sample : TOX @ 500ppb GCPS7-77L Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:24 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration
DataAcq Meth : PESTNEW.M

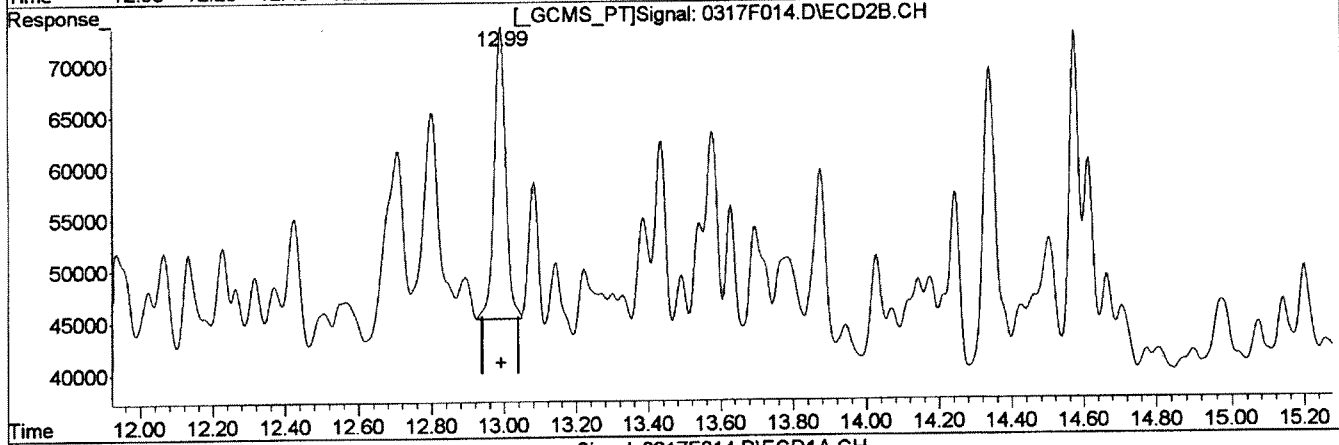
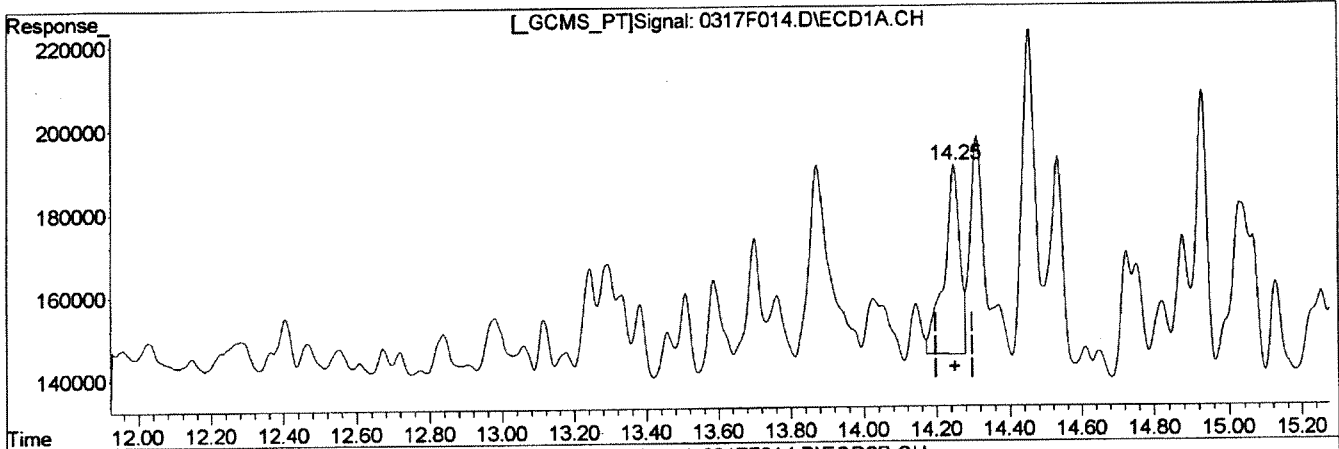
Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD1A.CH Vial: 82
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD2B.CH
 Acq On : 17 Mar 2014 7:23 pm Operator: SMURRAY
 Sample : TOX @ 500ppb GCPS7-77L Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F014.D\ECD1A.CH

(30) Toxaphene	Manual Integration:
14.25min 1215.650ug/L	Before
response 135468	
	03/18/14
(30) Toxaphene #2	
12.99min 1129.850ug/L	
response 63539	

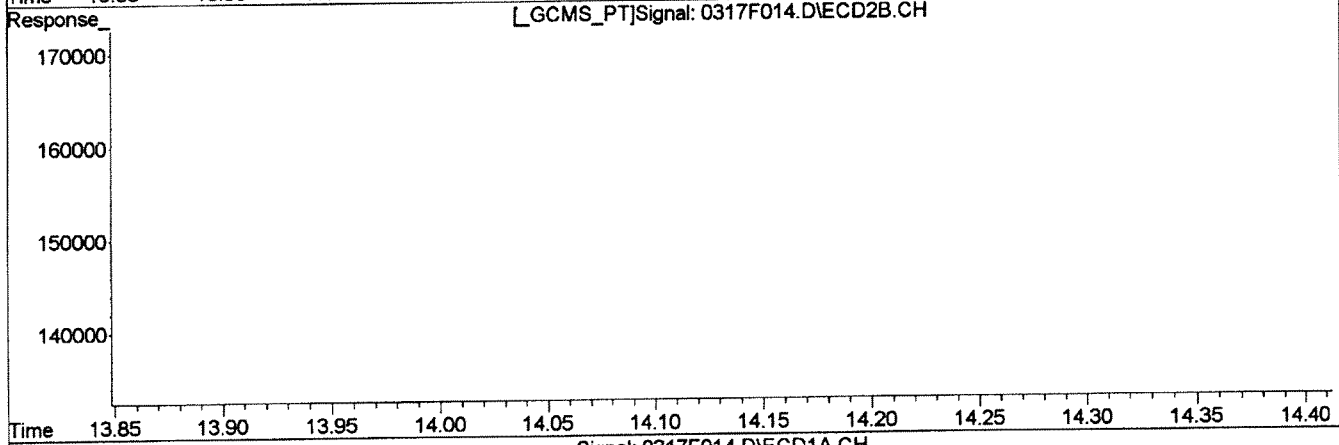
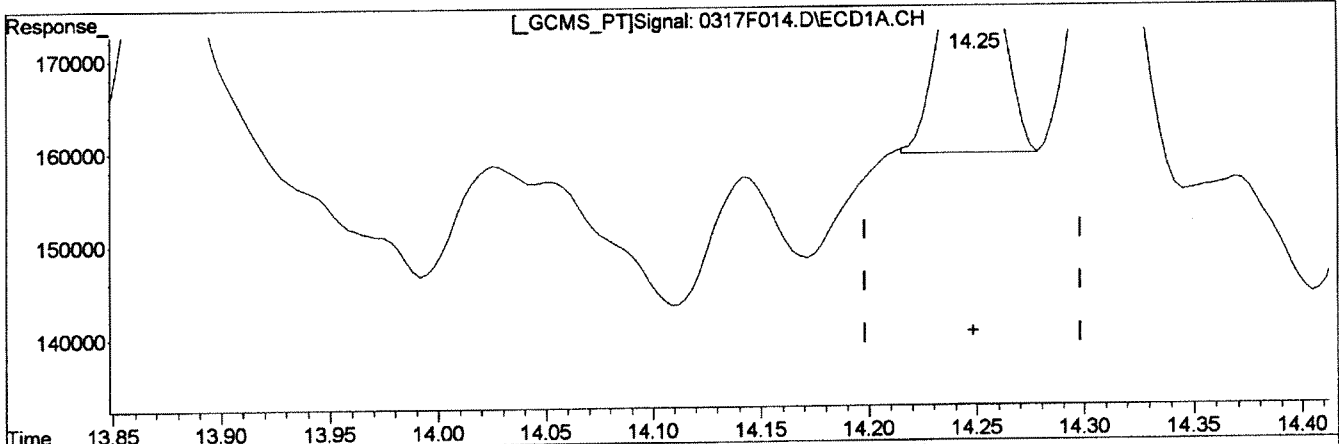
(+) = Expected Retention Time
 0317F014.D GC23-031714-8081.M

Tue Mar 18 16:22:49 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD1A.CH Vial: 82
Signal #2 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD2B.CH
Acq On : 17 Mar 2014 7:23 pm Operator: SMURRAY
Sample : TOX @ 500ppb GCPS7-77L Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F014.D\ECD1A.CH

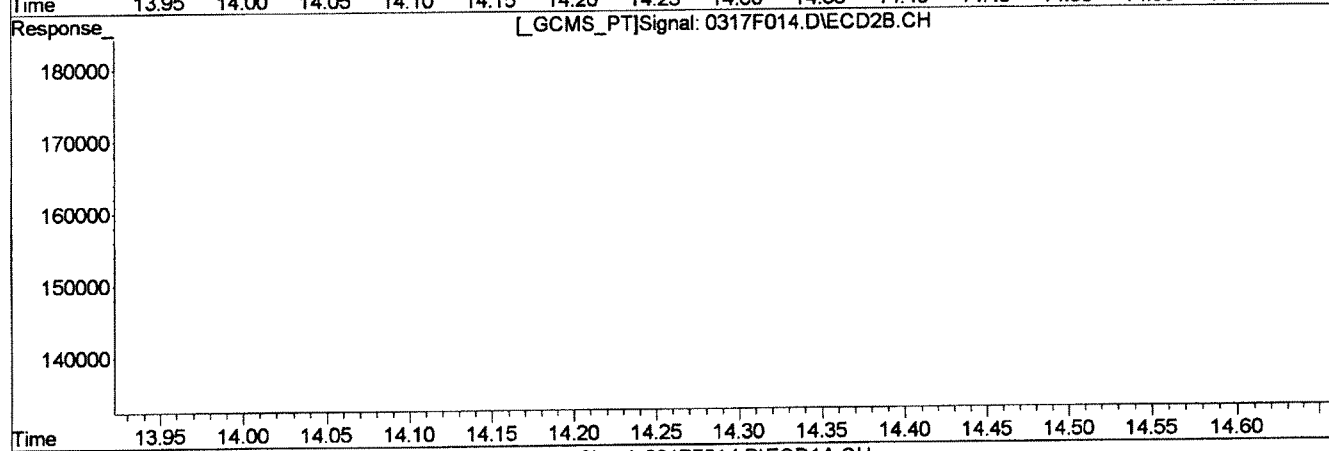
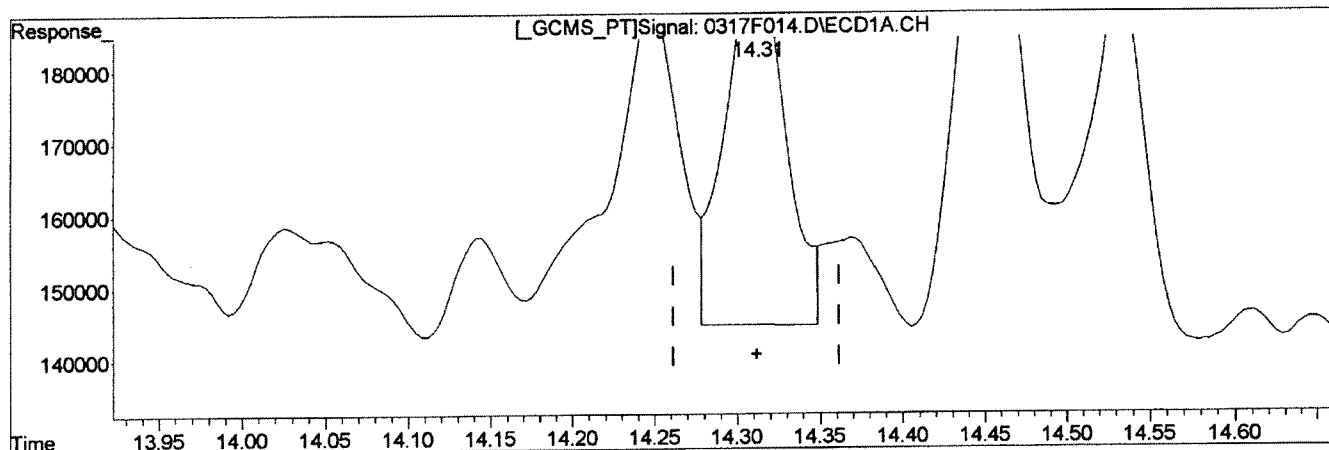
(30) Toxaphene	Manual Integration:
14.25min 475.678ug/L m	After
response 53008	Baseline/Shoulder
	03/18/14
(30) Toxaphene #2	
12.99min 1129.850ug/L	
response 63539	

(+) = Expected Retention Time
0317F014.D GC23-031714-8081.M Tue Mar 18 16:22:58 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD1A.CH Vial: 82
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD2B.CH
 Acq On : 17 Mar 2014 7:23 pm Operator: SMURRAY
 Sample : TOX @ 500ppb GCPS7-77L Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F014.D\ECD1A.CH		Manual Integration:
(31) Toxaphene {2}		Before
14.31min 793.698ug/L		
response 126781		03/18/14
(31) Toxaphene {2} #2		
13.08min 211.764ug/L		
response 24938		

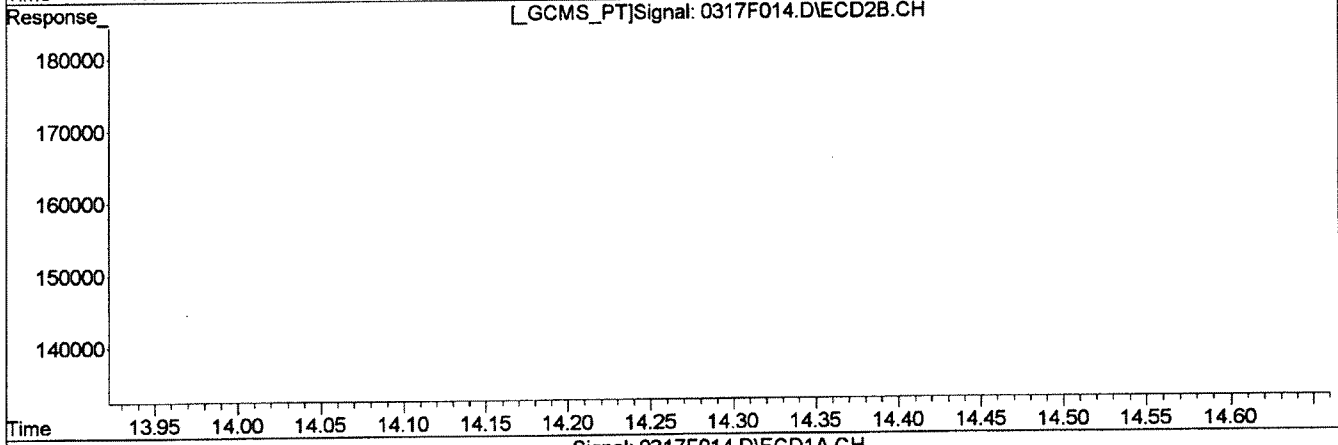
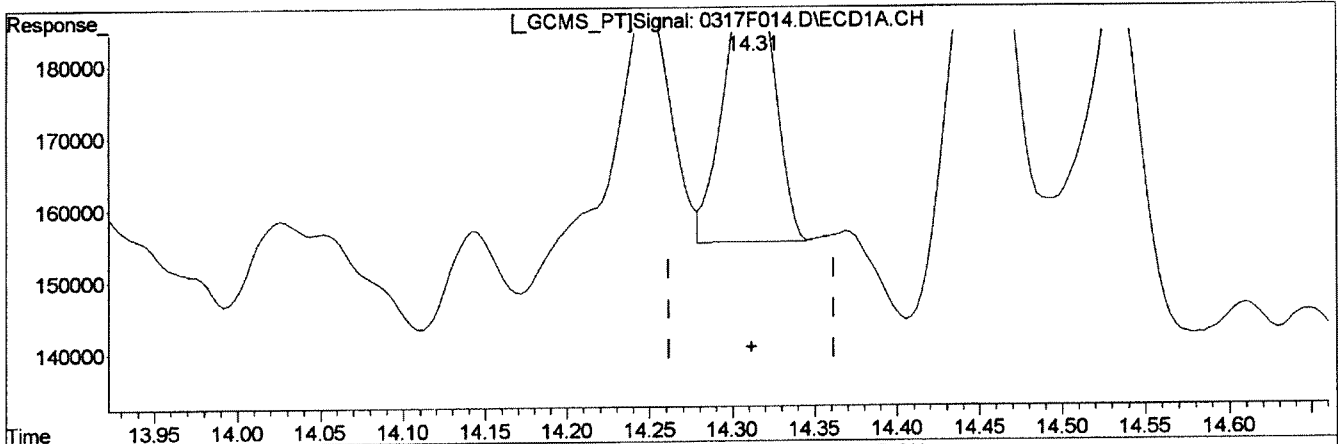
(+) = Expected Retention Time
 0317F014.D GC23-031714-8081.M

Tue Mar 18 16:23:43 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD1A.CH Vial: 82
Signal #2 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD2B.CH
Acq On : 17 Mar 2014 7:23 pm Operator: SMURRAY
Sample : TOX @ 500ppb GCPS7-77L Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F014.D\ECD1A.CH

(31) Toxaphene (2)	Manual Integration:
14.31min 517.421ug/L m	After
response 82650	Baseline/Shoulder
	03/18/14
(31) Toxaphene (2) #2	
13.08min 211.764ug/L	
response 24938	

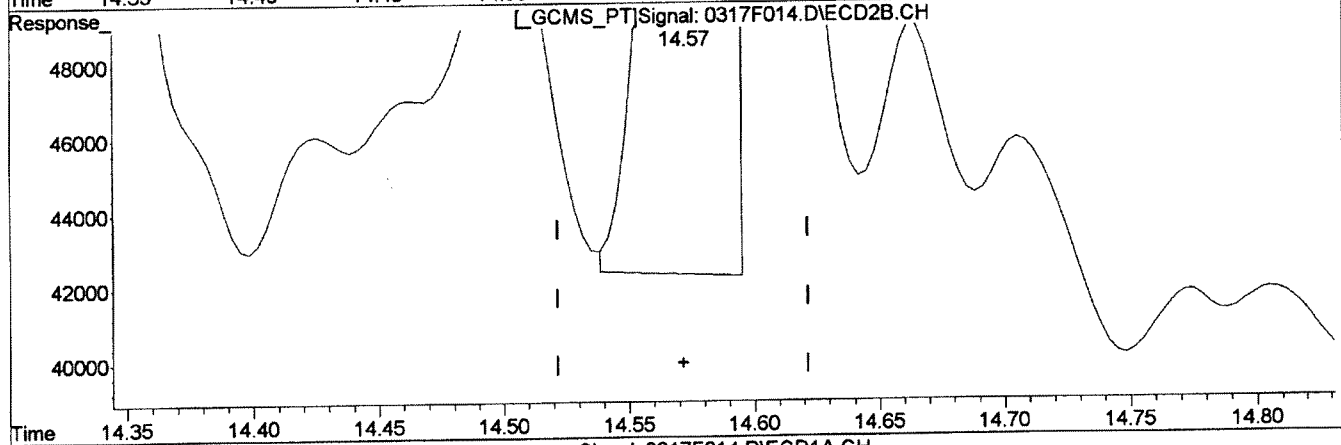
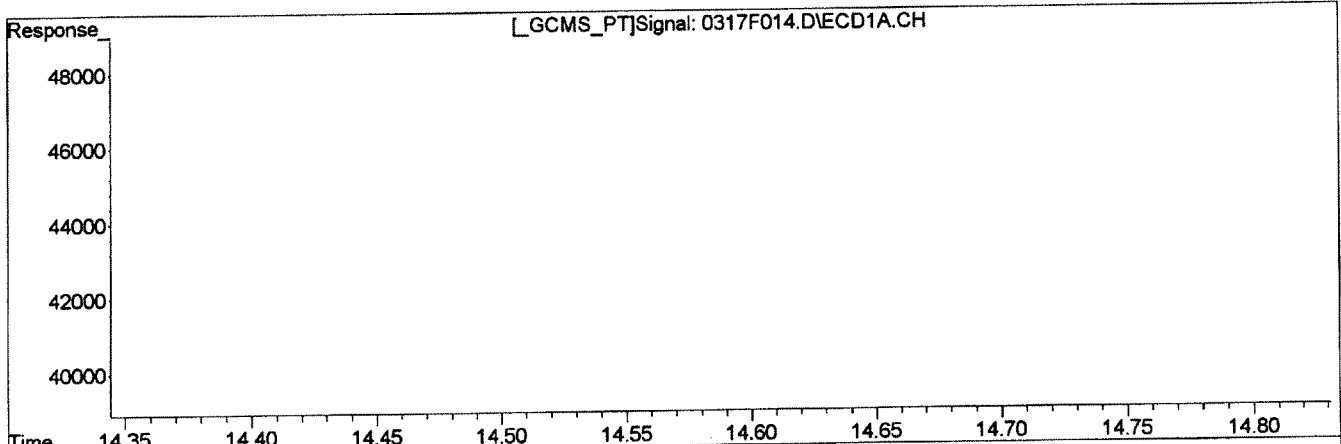
(+) = Expected Retention Time
0317F014.D GC23-031714-8081.M

Tue Mar 18 16:23:48 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD1A.CH Vial: 82
Signal #2 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD2B.CH
Acq On : 17 Mar 2014 7:23 pm Operator: SMURRAY
Sample : TOX @ 500ppb GCPS7-77L Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F014.D\ECD1A.CH		Manual Integration:
(35) Toxaphene (6)		Before
15.86min 375.704ug/L		
response 160981		03/18/14
(35) Toxaphene (6) #2		
14.57min 466.844ug/L		
response 55315		

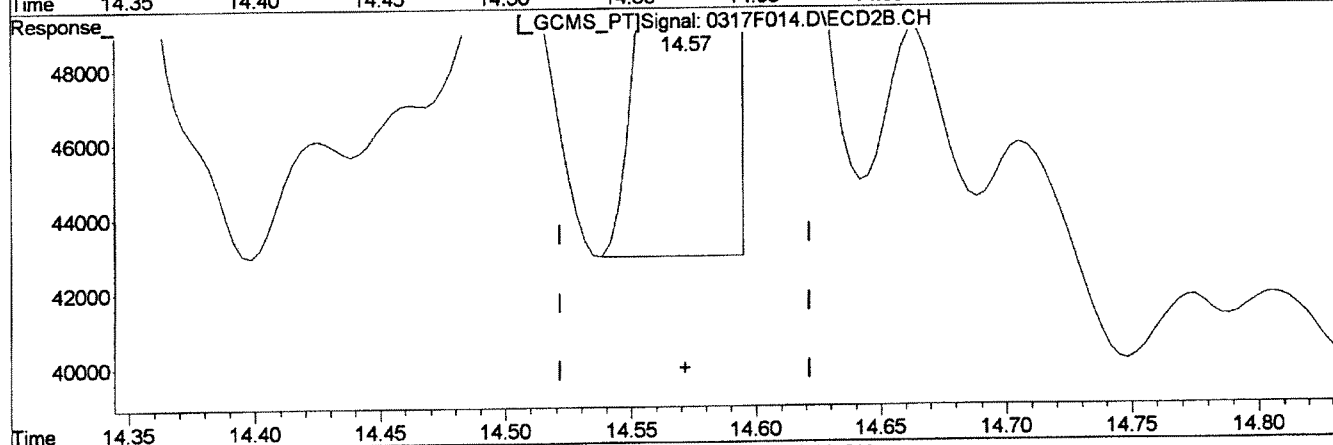
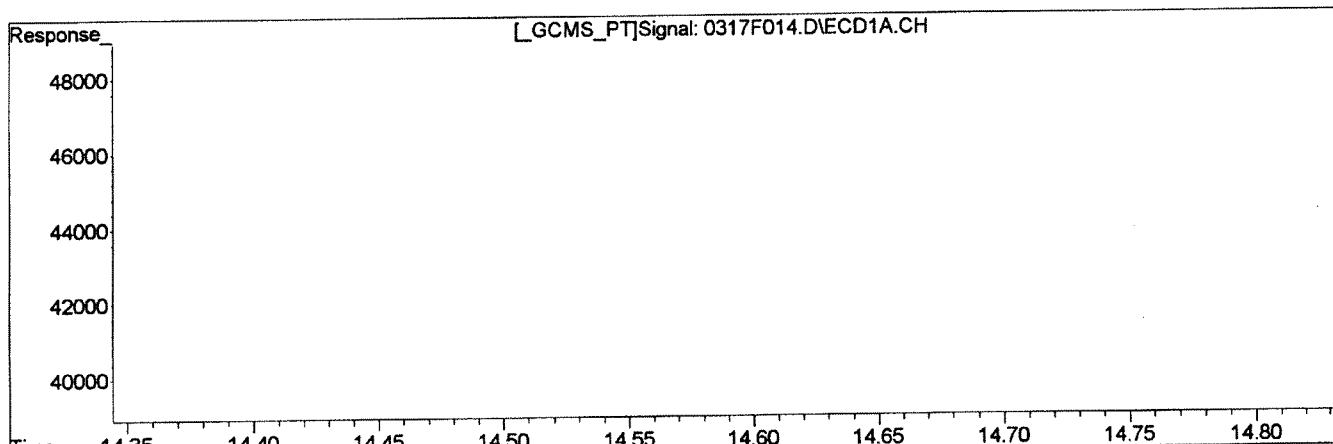
(+) = Expected Retention Time
0317F014.D GC23-031714-8081.M

Tue Mar 18 16:23:56 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD1A.CH Vial: 82
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F014.D\ECD2B.CH
 Acq On : 17 Mar 2014 7:23 pm Operator: SMURRAY
 Sample : TOX @ 500ppb GCPS7-77L Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F014.D\ECD1A.CH		Manual Integration:
(35) Toxaphene (6)		After
15.86min 375.704ug/L		Baseline/Shoulder
response 160981		03/18/14
(35) Toxaphene (6) #2		
14.57min 449.872ug/L m		
response 53304		

(+) = Expected Retention Time
 0317F014.D GC23-031714-8081.M

Tue Mar 18 16:24:02 2014

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD1A.CH Vial: 83
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD2B.CH
 Acq On : 17 Mar 2014 7:51 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19:52 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

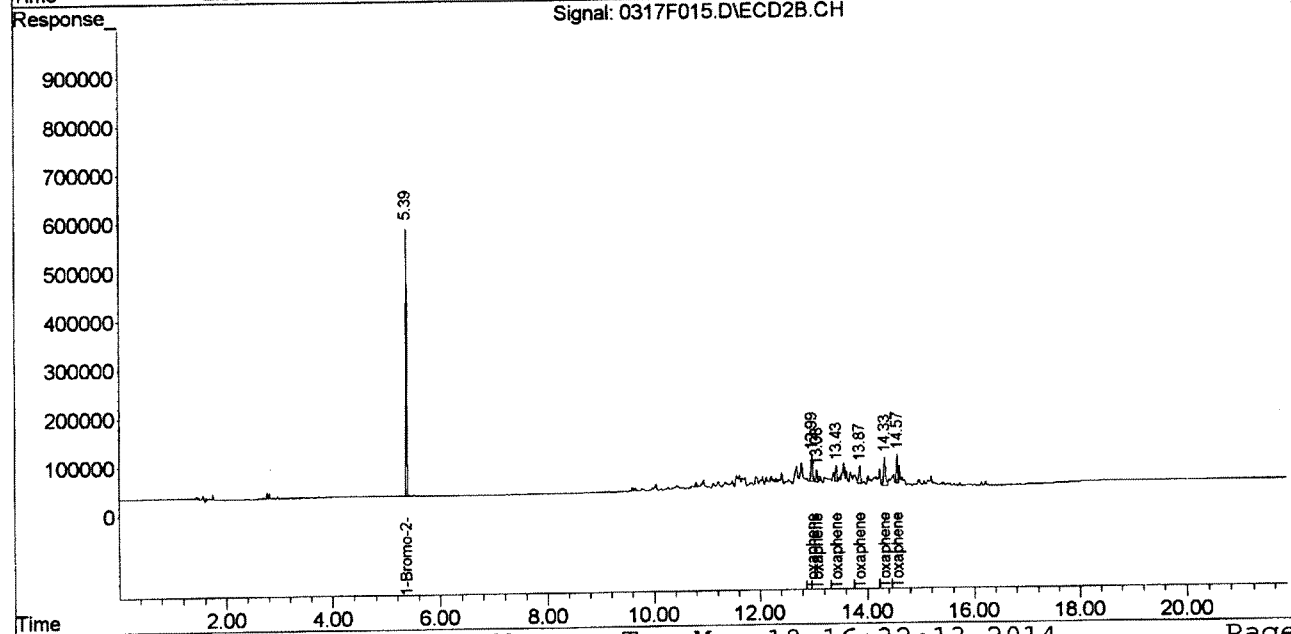
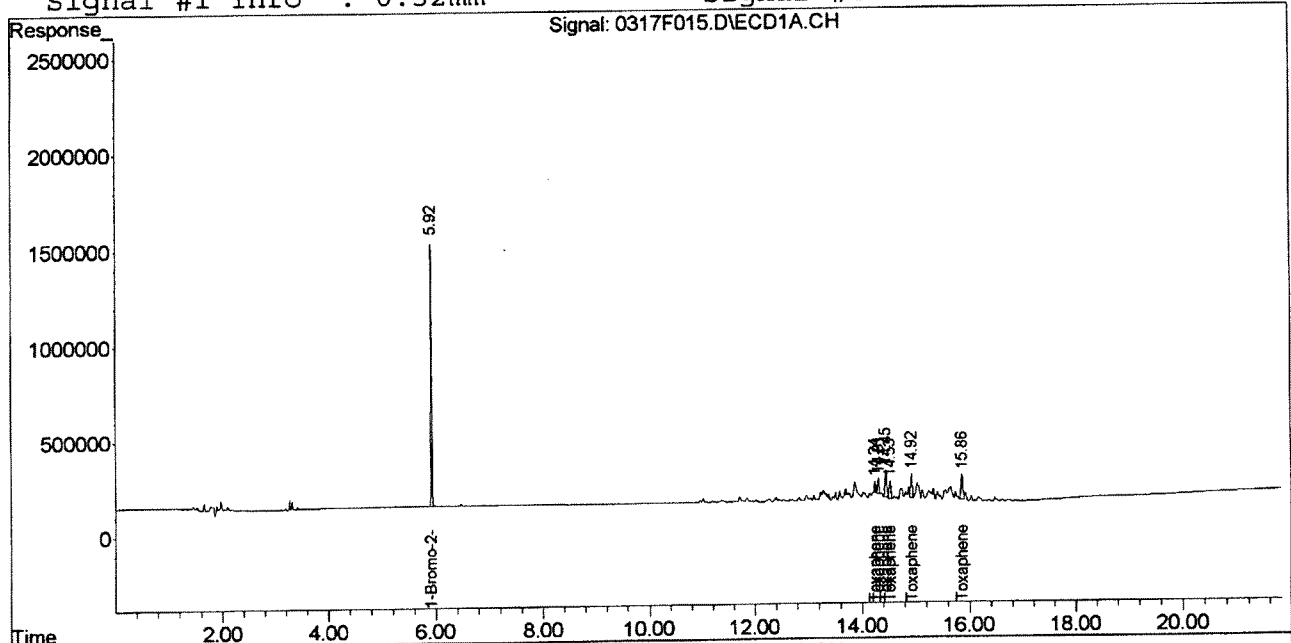
Internal Standards						
29) 1-Bromo-2-nitrob	5.92	5.39	1748354	645238	100.000	100.000
System Monitoring Compounds						
Target Compounds						
30) Toxaphene	14.24	12.99	110712	119220	982.697m	2097.298 #
31) Toxaphene {2}	14.31	13.08	160860	47114	996.099m	395.796 #
32) Toxaphene {3}	14.45	13.43	360068	62642	903.539m	1392.682m#
33) Toxaphene {4}	14.53	13.87	253629	78444	971.637m	1171.334m
34) Toxaphene {5}	14.92	14.33	253355	147981	979.243m	1837.987 #
35) Toxaphene {6}	15.86	14.57	334271	108127	771.655m	902.805m

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD1A.CH Vial: 83
Signal #2 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD2B.CH
Acq On : 17 Mar 2014 7:51 pm Operator: SMURRAY
Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:25 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration
DataAcq Meth : PESTNEW.M

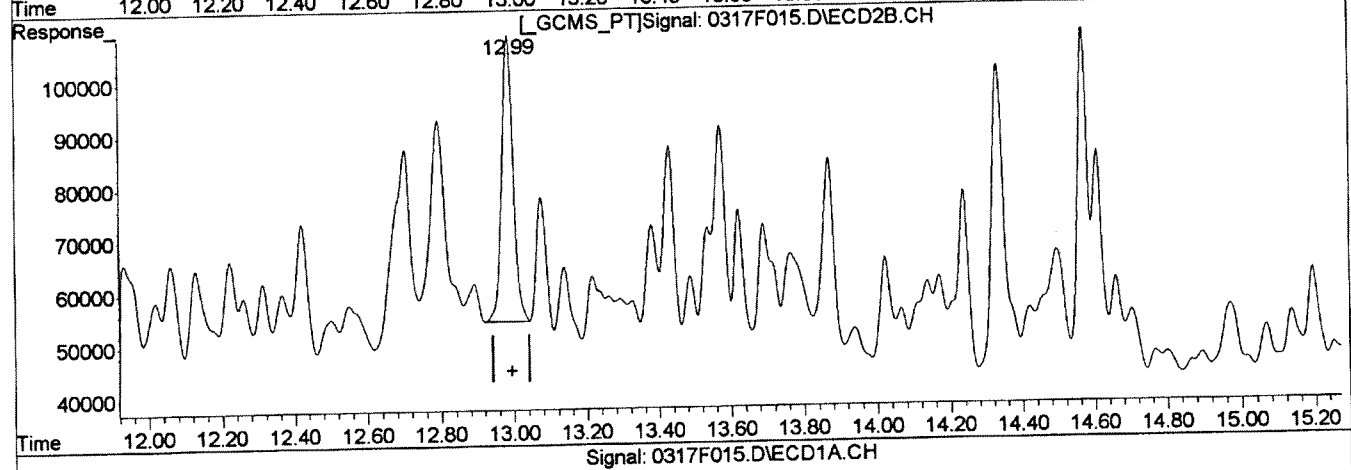
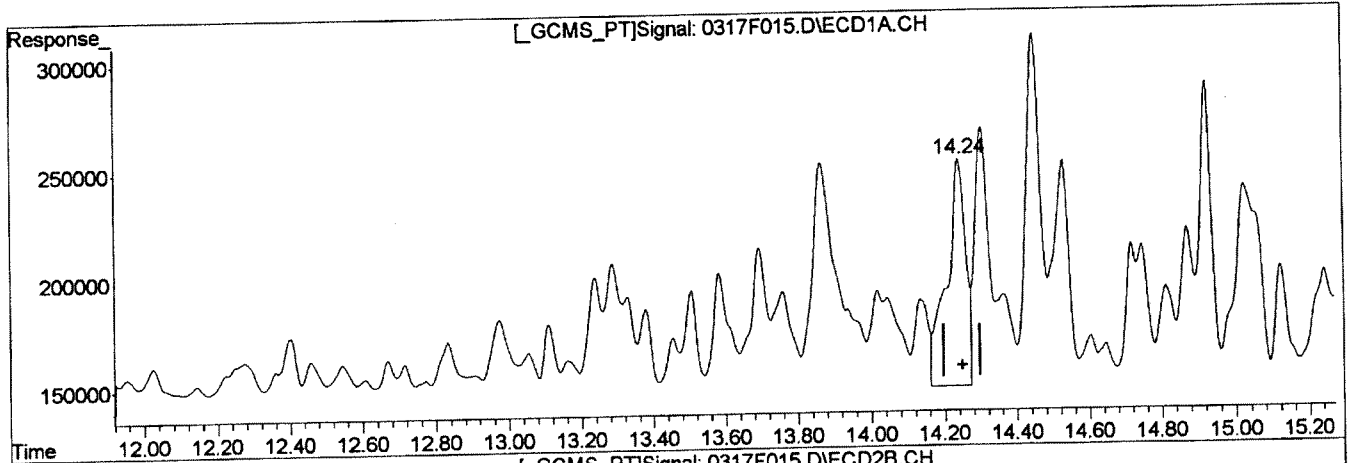
Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD1A.CH Vial: 83
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD2B.CH
 Acq On : 17 Mar 2014 7:51 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.REB

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F015.D\ECD1A.CH

(30) Toxaphene	Manual Integration:
14.24min 3389.041ug/L	Before
response 381814	03/18/14
(30) Toxaphene #2	
12.99min 2097.298ug/L	
response 119220	

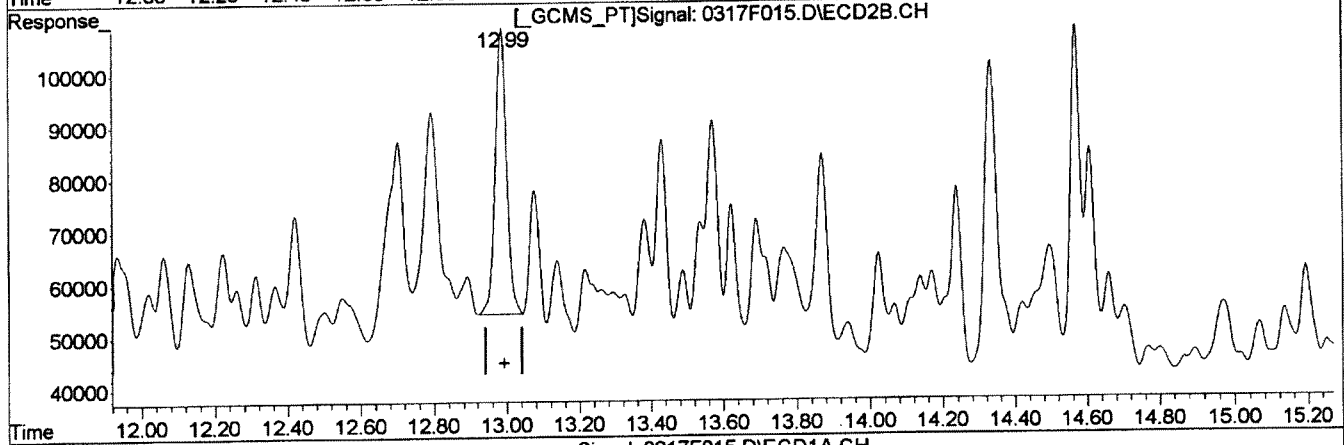
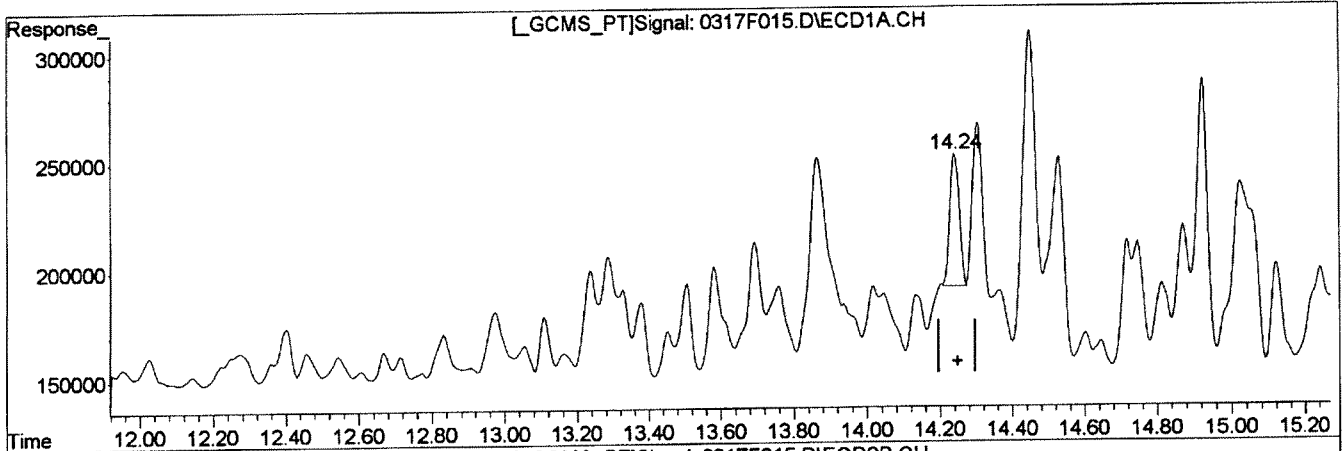
(+) = Expected Retention Time
 0317F015.D GC23-031714-8081.M

Tue Mar 18 16:24:24 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD1A.CH Vial: 83
Signal #2 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD2B.CH
Acq On : 17 Mar 2014 7:51 pm Operator: SMURRAY
Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F015.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response	Integration Status	Date
14.24	982.697	110712	Manual Integration: After Baseline/Shoulder	03/18/14
12.99	2097.298	119220		

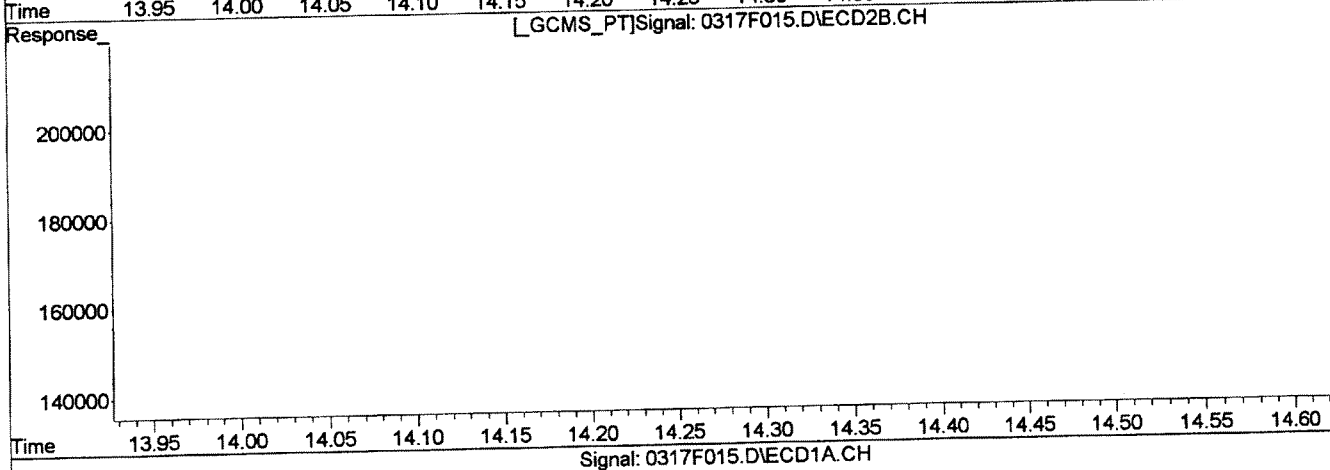
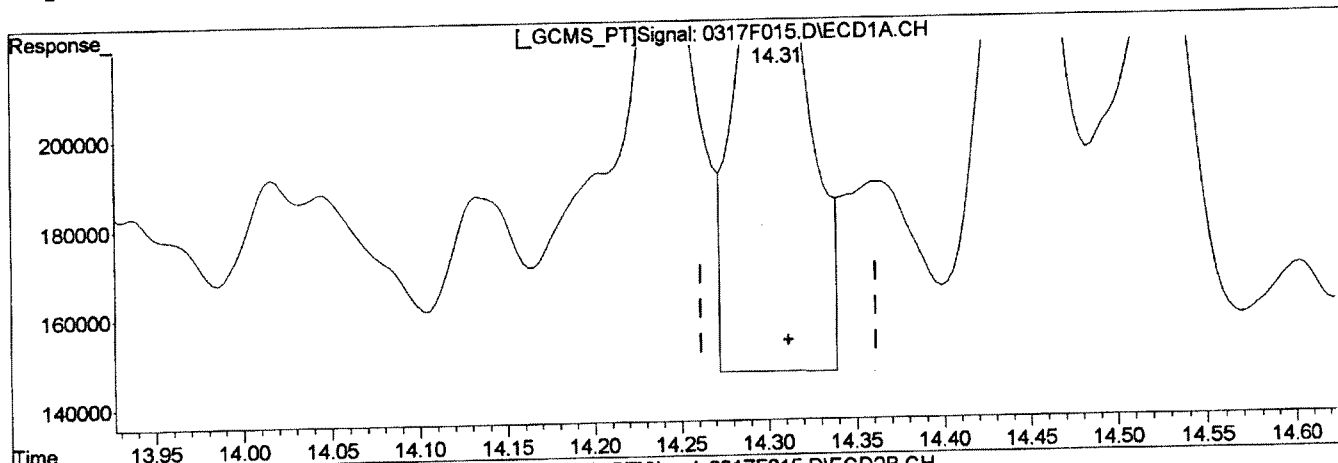
(+) = Expected Retention Time
0317F015.D GC23-031714-8081.M

Tue Mar 18 16:24:30 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD1A.CH Vial: 83
Signal #2 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD2B.CH
Acq On : 17 Mar 2014 7:51 pm Operator: SMURRAY
Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



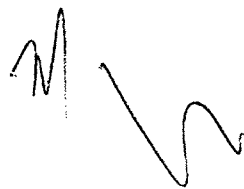
(31) Toxaphene {2}
14.31min 1948.195ug/L
response 314614

(31) Toxaphene {2} #2
13.08min 395.796ug/L
response 47114

Manual Integration:

Before

03/18/14



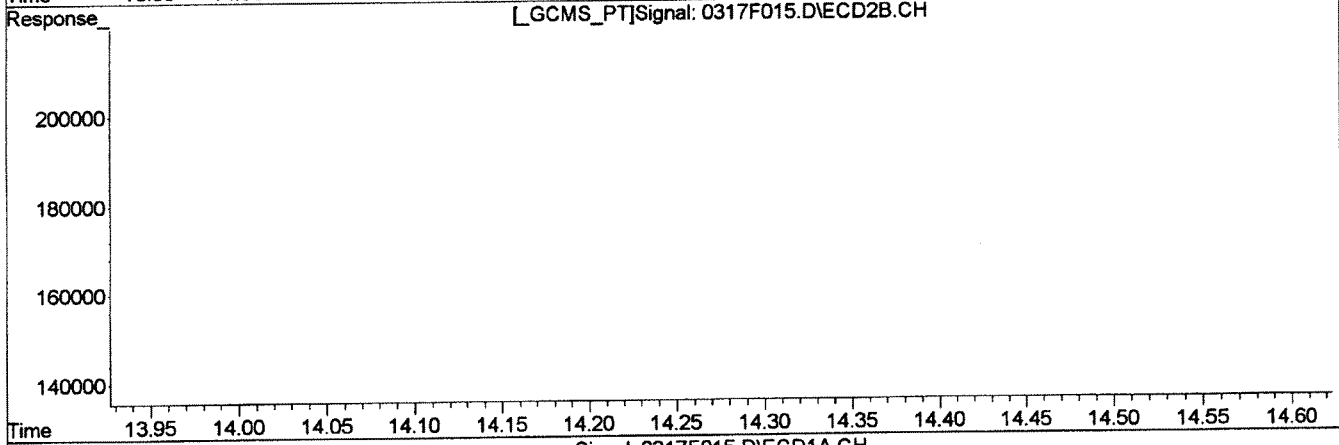
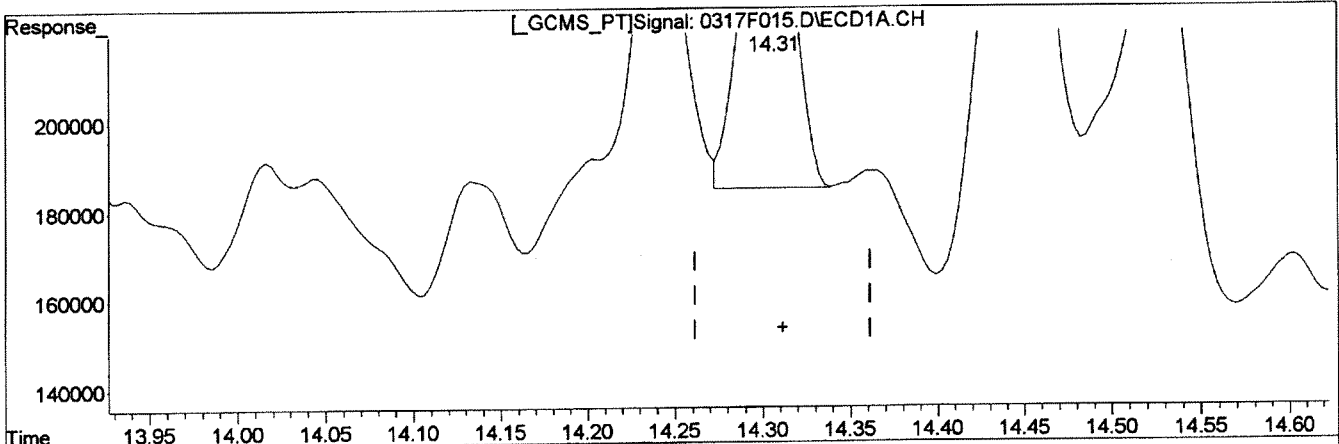
(+) = Expected Retention Time
0317F015.D GC23-031714-8081.M

Tue Mar 18 16:24:32 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD1A.CH Vial: 83
Signal #2 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD2B.CH
Acq On : 17 Mar 2014 7:51 pm Operator: SMURRAY
Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F015.D\ECD1A.CH	
(31) Toxaphene {2}	Manual Integration:
14.31min 996.099ug/L m	After
response 160860	Baseline/Shoulder
	03/18/14
(31) Toxaphene {2} #2	
13.08min 395.796ug/L	
response 47114	

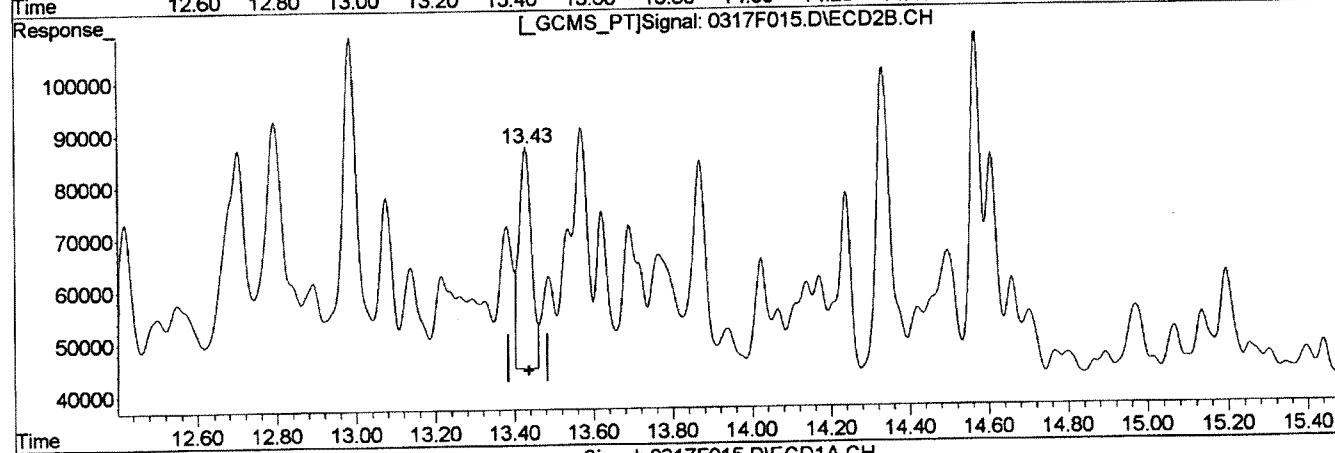
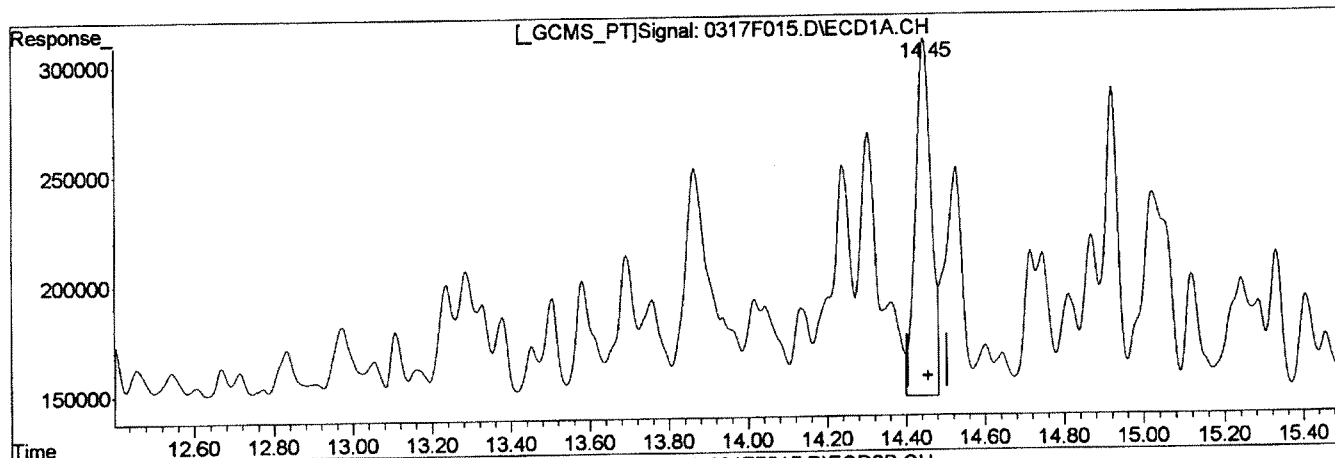
(+) = Expected Retention Time
0317F015.D GC23-031714-8081.M

Tue Mar 18 16:24:38 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD1A.CH Vial: 83
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD2B.CH
 Acq On : 17 Mar 2014 7:51 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F015.D\ECD1A.CH		Manual Integration:
(32) Toxaphene {3}		Before
14.45min	1139.142ug/L	
response	453958	03/18/14
(32) Toxaphene {3} #2		
13.43min	2026.773ug/L	
response	91163	

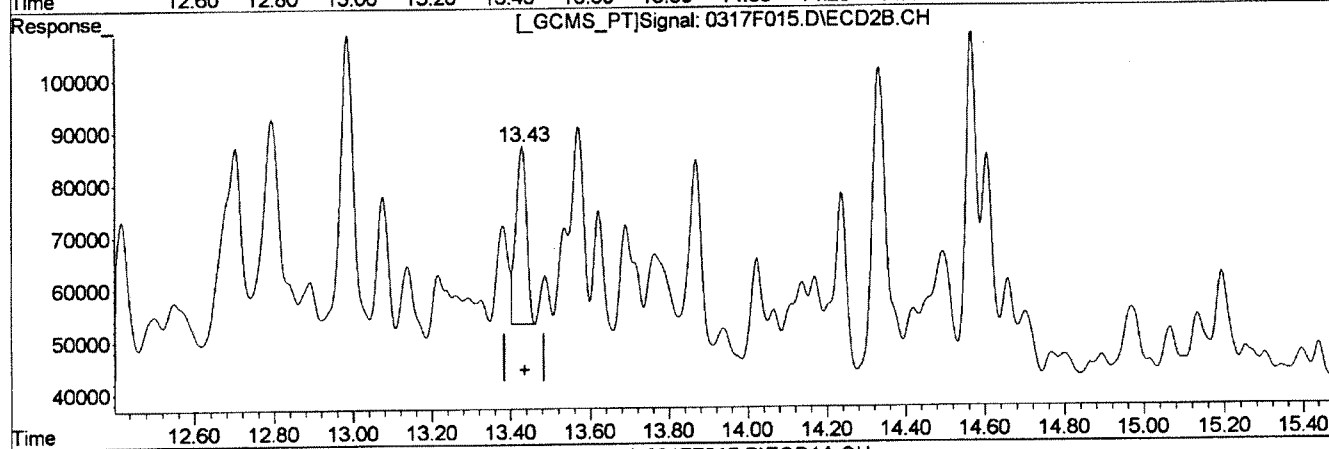
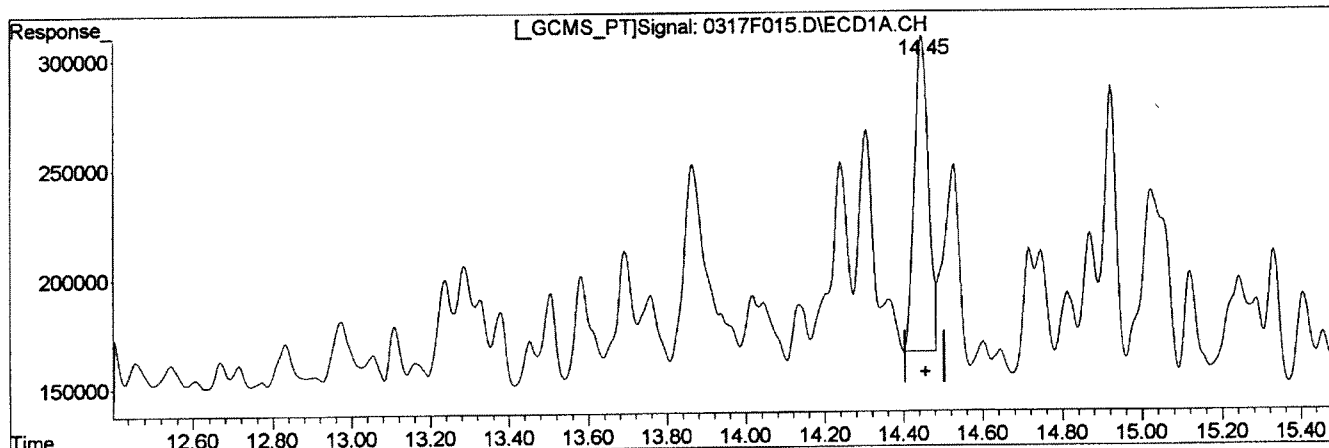
(+) = Expected Retention Time
 0317F015.D GC23-031714-8081.M

Tue Mar 18 16:24:40 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD1A.CH Vial: 83
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD2B.CH
 Acq On : 17 Mar 2014 7:51 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F015.D\ECD1A.CH		Manual Integration:
(32) Toxaphene (3)		After
14.45min	903.539ug/L m	Baseline/Shoulder
response	360068	03/18/14
(32) Toxaphene (3) #2		
13.43min	1392.682ug/L m	
response	62642	

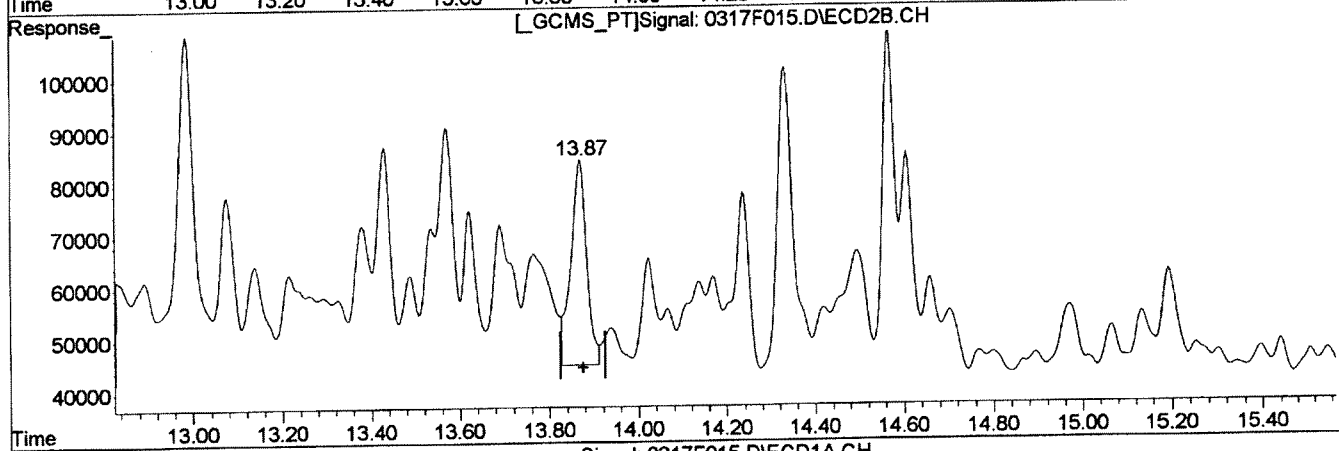
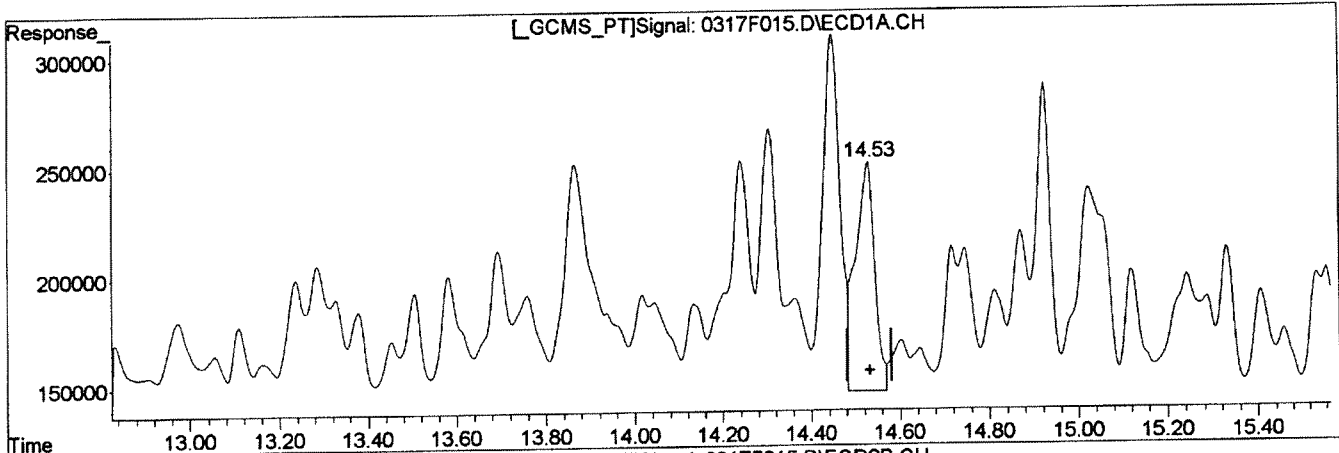
(+) = Expected Retention Time
 0317F015.D GC23-031714-8081.M

Tue Mar 18 16:24:52 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD1A.CH Vial: 83
Signal #2 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD2B.CH
Acq On : 17 Mar 2014 7:51 pm Operator: SMURRAY
Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F015.D\ECD1A.CH	
(33) Toxaphene {4}	Manual Integration:
14.53min 1207.998ug/L	Before
response 315327	03/18/14
(33) Toxaphene {4} #2	
13.87min 1445.936ug/L	
response 96834	

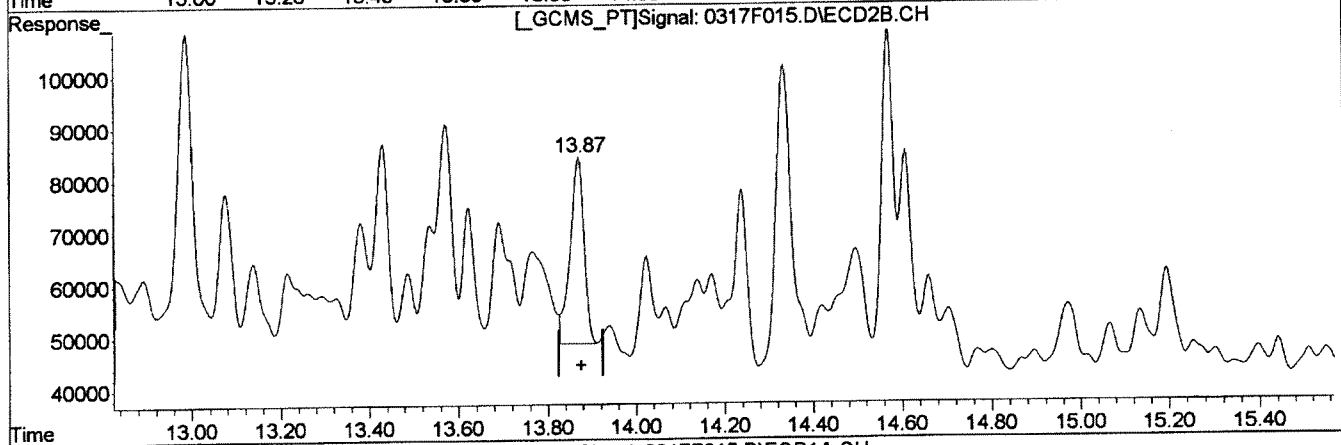
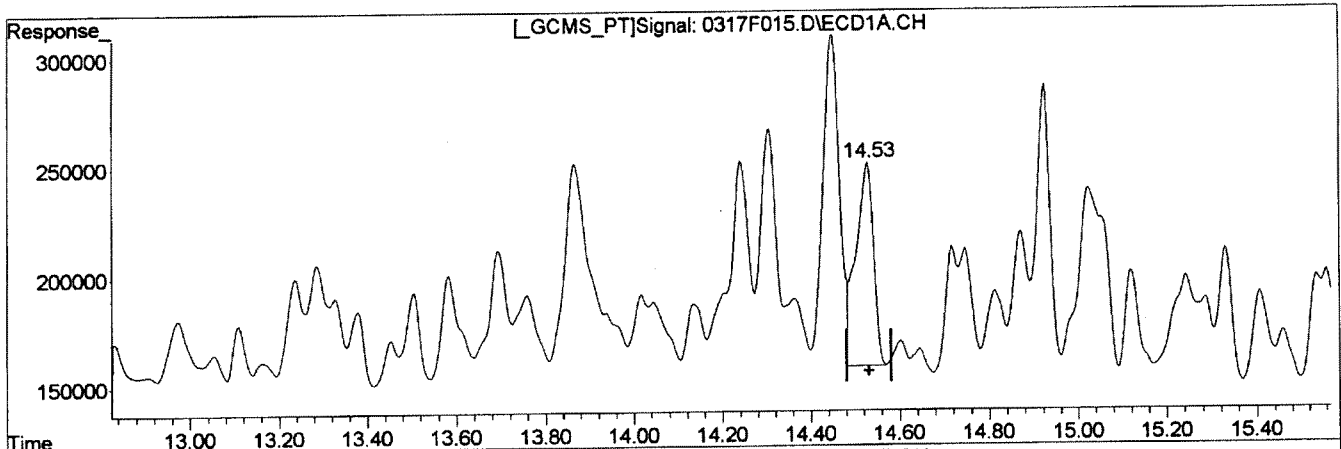
(+) = Expected Retention Time
0317F015.D GC23-031714-8081.M

Tue Mar 18 16:24:53 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD1A.CH Vial: 83
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD2B.CH
 Acq On : 17 Mar 2014 7:51 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIVOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F015.D\ECD1A.CH		Manual Integration:
(33) Toxaphene (4)		After
14.53min	971.637ug/L m	Baseline/Shoulder
response	253629	03/18/14
(33) Toxaphene (4) #2		
13.87min	1171.334ug/L m	
response	78444	

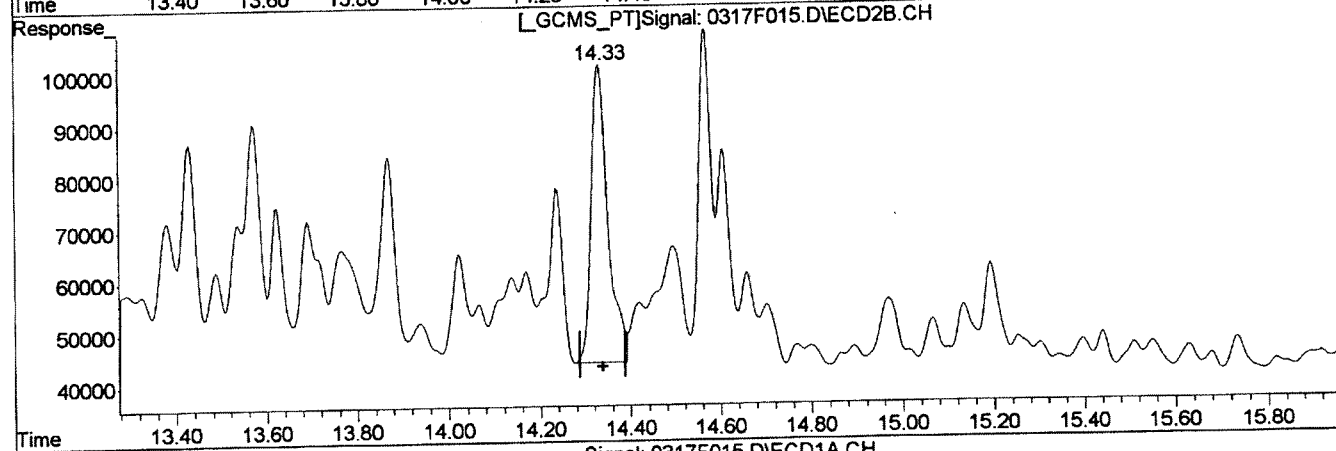
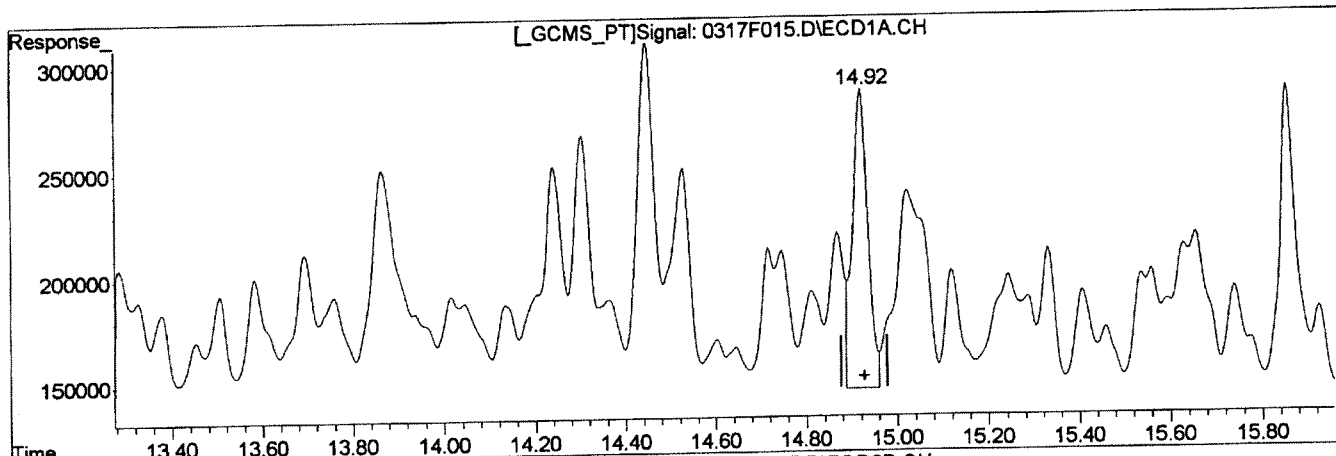
(+) = Expected Retention Time
 0317F015.D GC23-031714-8081.M

Tue Mar 18 16:25:07 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD1A.CH Vial: 83
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD2B.CH
 Acq On : 17 Mar 2014 7:51 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F015.D\ECD1A.CH

(34) Toxaphene (5)	Manual Integration:
14.92min 1245.030ug/L	Before
response 322121	03/18/14
(34) Toxaphene (5) #2	
14.33min 1837.987ug/L	
response 147981	

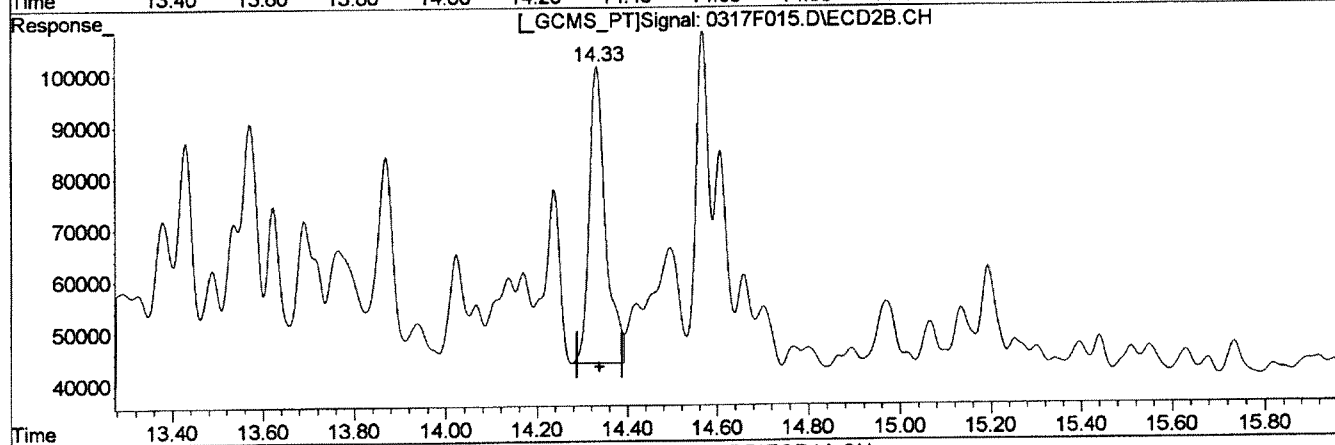
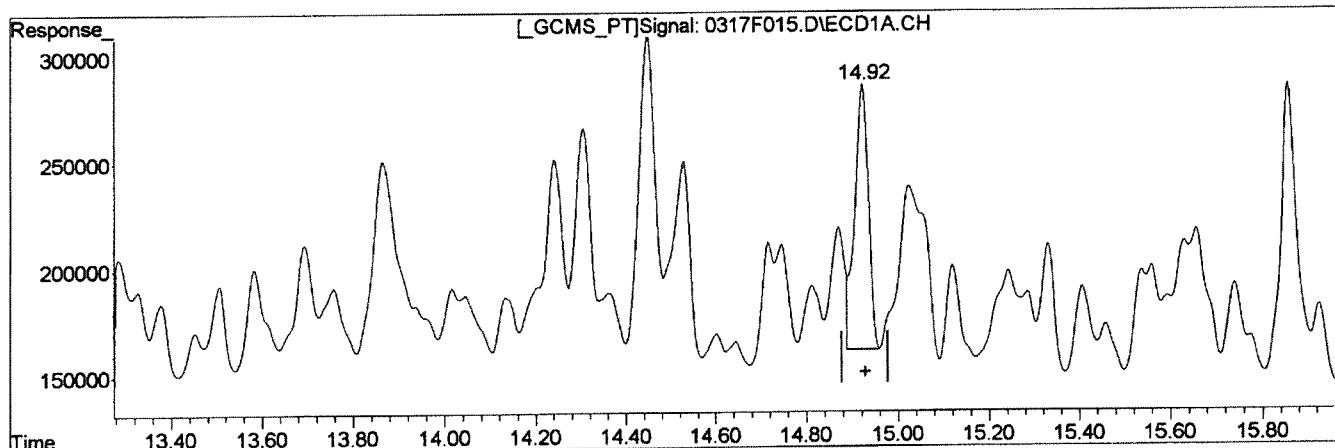
(+) = Expected Retention Time
 0317F015.D GC23-031714-8081.M

Tue Mar 18 16:25:08 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD1A.CH Vial: 83
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD2B.CH
 Acq On : 17 Mar 2014 7:51 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F015.D\ECD1A.CH		Manual Integration:
(34) Toxaphene {5}		After
14.92min 979.243ug/L m		Baseline/Shoulder
response 253355		03/18/14
(34) Toxaphene {5} #2		
14.33min 1837.987ug/L		
response 147981		

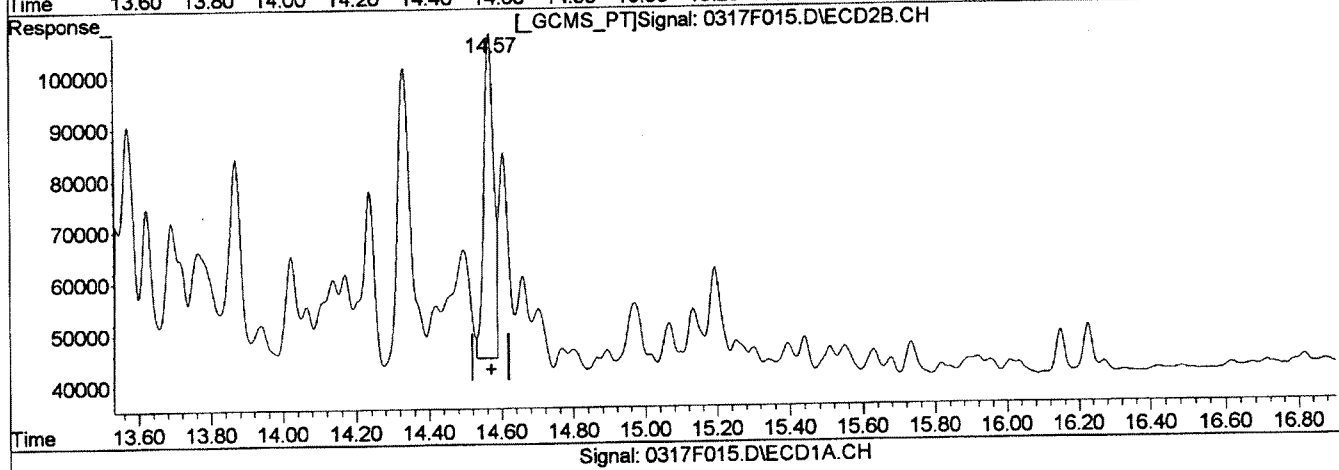
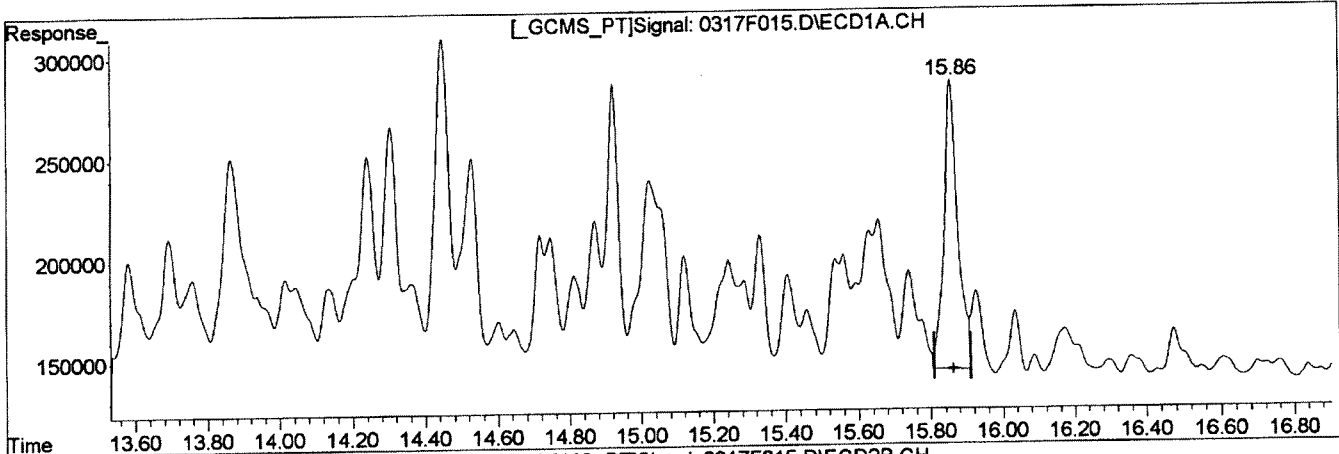
(+) = Expected Retention Time
 0317F015.D GC23-031714-8081.M

Tue Mar 18 16:25:13 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD1A.CH Vial: 83
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD2B.CH
 Acq On : 17 Mar 2014 7:51 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



(35) Toxaphene (6)	Manual Integration:
15.86min 874.290ug/L	Before
response 378731	03/18/14
(35) Toxaphene (6) #2	
14.57min 1008.276ug/L	
response 120759	

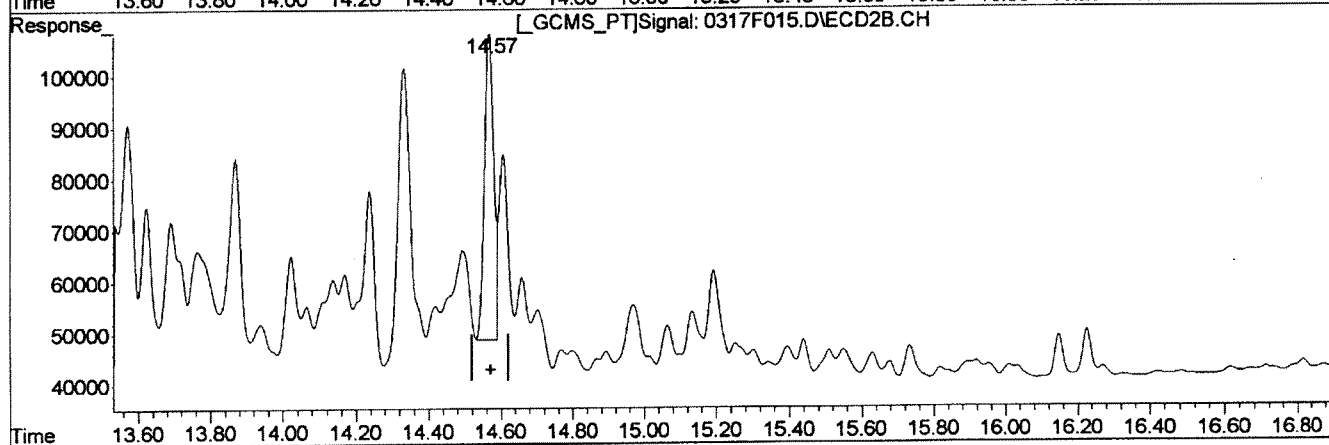
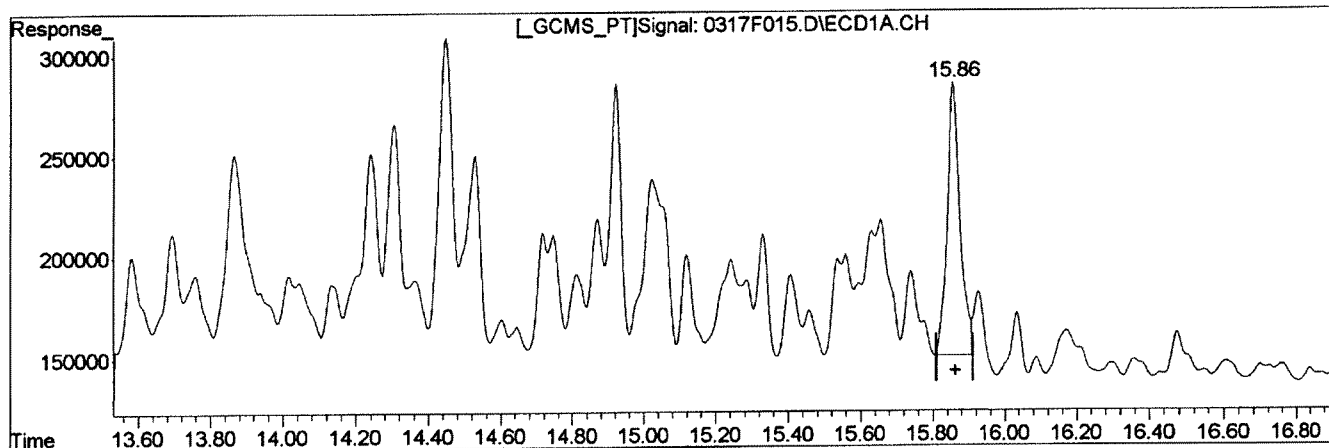
(+) = Expected Retention Time
 0317F015.D GC23-031714-8081.M

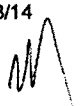

Tue Mar 18 16:25:14 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD1A.CH Vial: 83
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F015.D\ECD2B.CH
 Acq On : 17 Mar 2014 7:51 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F015.D\ECD1A.CH		Manual Integration:
(35) Toxaphene (6)		After
15.86min	771.655ug/L m	Baseline/Shoulder
response	334271	03/18/14
(35) Toxaphene (6) #2		
14.57min	902.805ug/L m	
response	108127	

(+) = Expected Retention Time
 0317F015.D GC23-031714-8081.M

Tue Mar 18 16:25:24 2014

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD1A.CH Vial: 84
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:20 pm Operator: SMURRAY
 Sample : TOX @ 2000ppb GCPS7-77N Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19:54 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

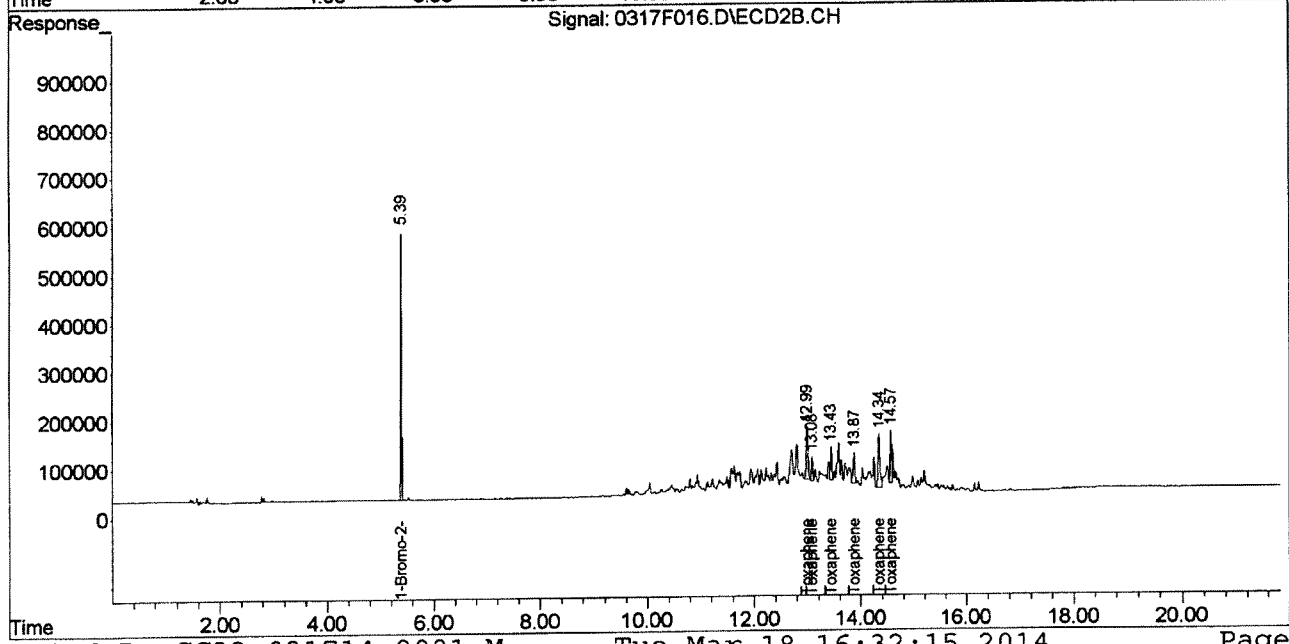
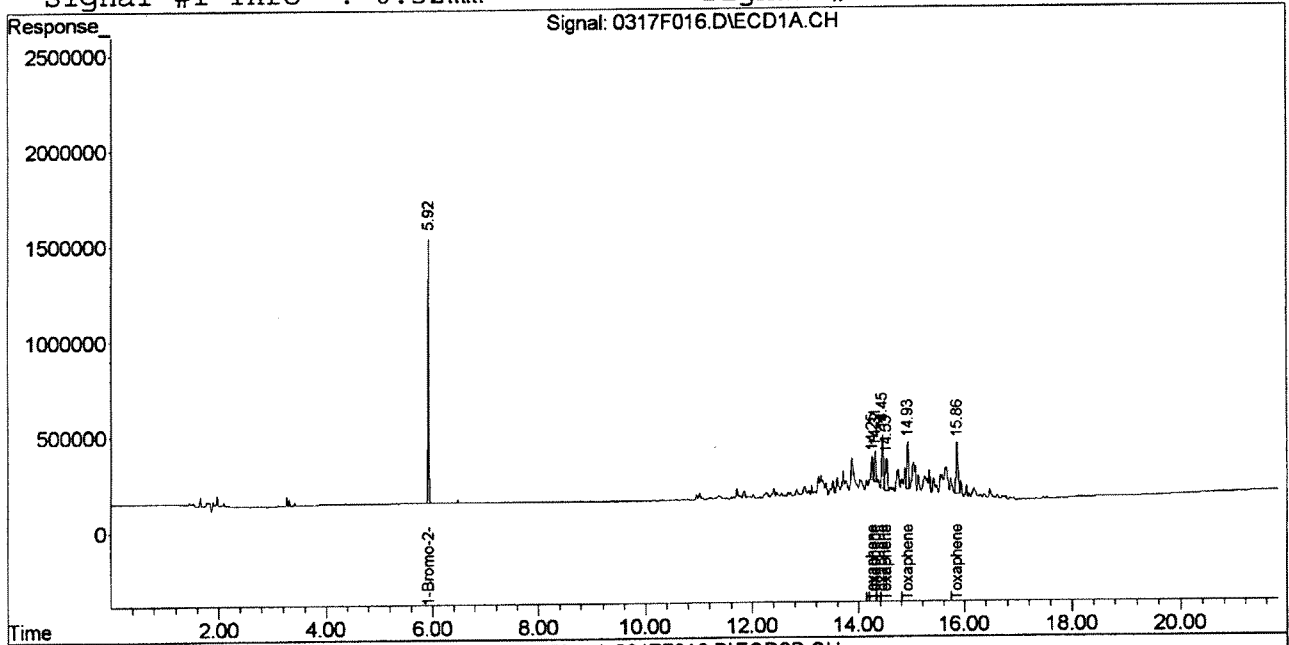
Internal Standards						
29) 1-Bromo-2-nitrob	5.92	5.39	1746693	645648	100.000	100.000
System Monitoring Compounds						
Target Compounds						
30) Toxaphene	14.25	12.99	217033	237699	1928.251m	4178.905m#
31) Toxaphene {2}	14.31	13.08	315114	93309	1953.147m	783.374m#
32) Toxaphene {3}	14.45	13.43	723522	122249	1817.301	2716.163m#
33) Toxaphene {4}	14.53	13.87	462647	153705	1774.058	2293.682m#
34) Toxaphene {5}	14.93	14.34	491173	288553	1900.238	3581.675m#
35) Toxaphene {6}	15.86	14.57	676576	200522	1563.342m	1673.193m

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD1A.CH Vial: 84
Signal #2 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD2B.CH
Acq On : 17 Mar 2014 8:20 pm Operator: SMURRAY
Sample : TOX @ 2000ppb GCPS7-77N Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:26 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration
DataAcq Meth : PESTNEW.M

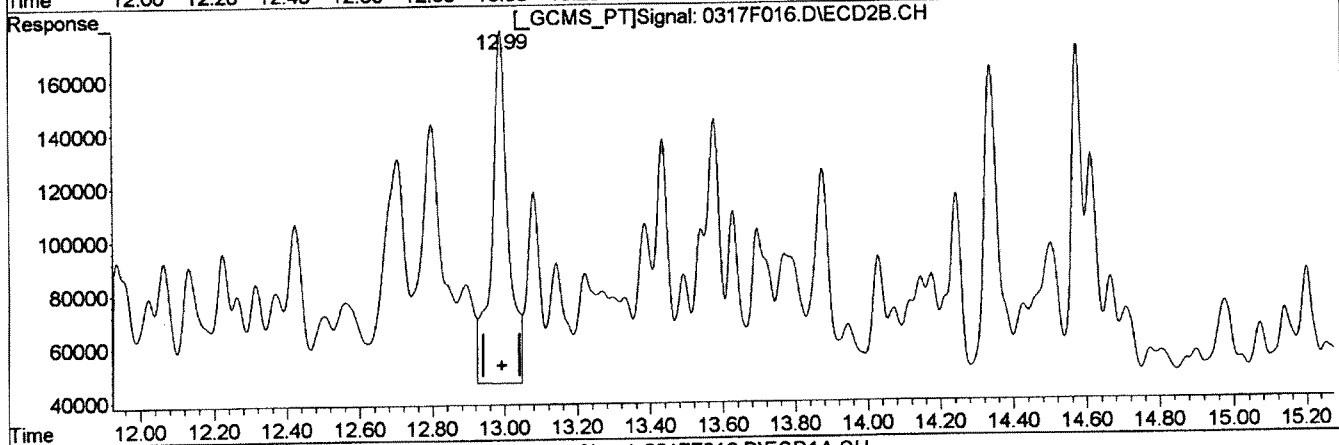
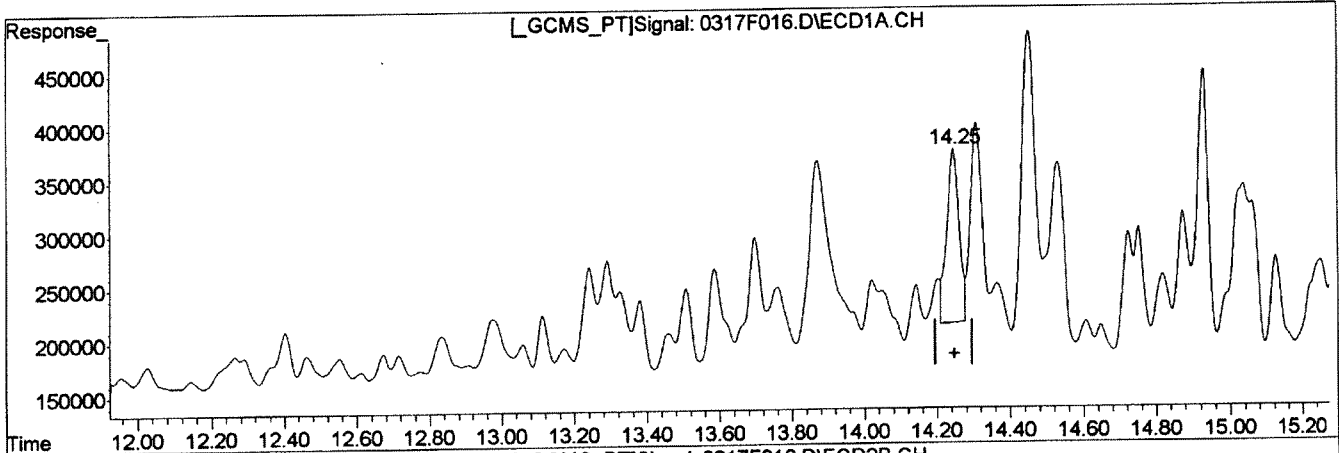
Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD1A.CH Vial: 84
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:20 pm Operator: SMURRAY
 Sample : TOX @ 2000ppb GCPS7-77N Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F016.D\ECD1A.CH		Manual Integration:
(30) Toxaphene		Before
14.25min	3323.968ug/L	
response	374127	03/18/14
(30) Toxaphene #2		
12.99min	7321.501ug/L	
response	416452	

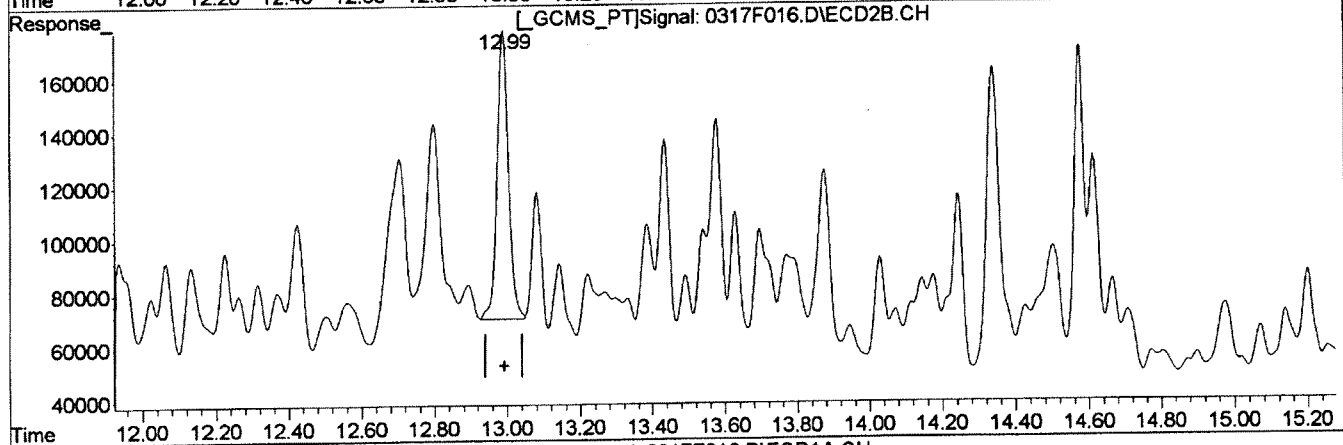
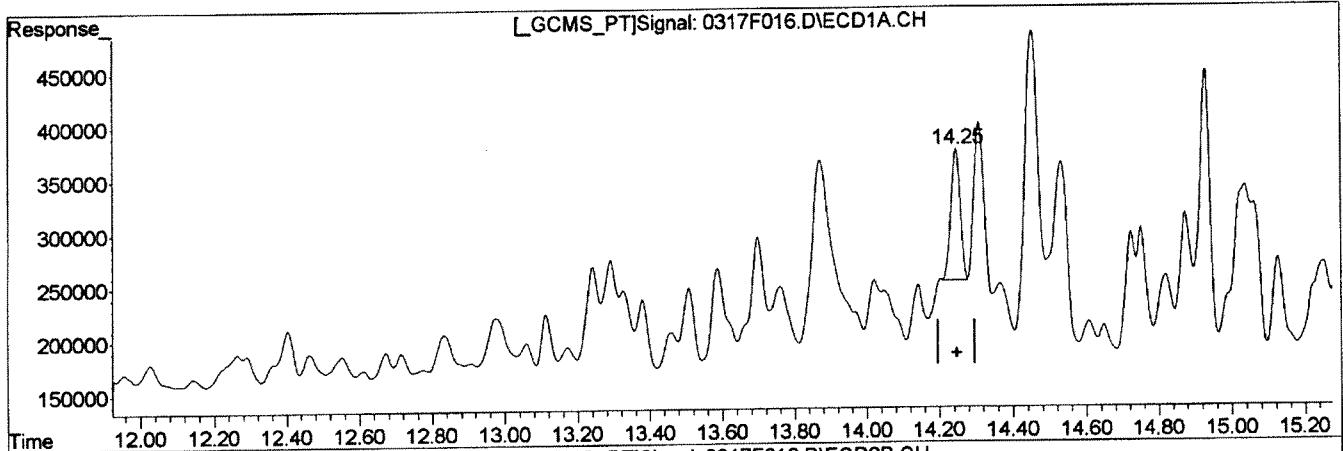
(+) = Expected Retention Time
 0317F016.D GC23-031714-8081.M

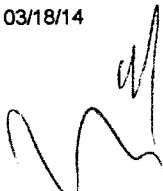
Tue Mar 18 16:25:45 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD1A.CH Vial: 84
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:20 pm Operator: SMURRAY
 Sample : TOX @ 2000ppb GCPS7-77N Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F016.D\ECD1A.CH		Manual Integration:
(30) Toxaphene		After
14.25min	1928.251ug/L m	Baseline/Shoulder
response	217033	03/18/14
(30) Toxaphene #2		
12.99min	4178.905ug/L m	
response	237699	

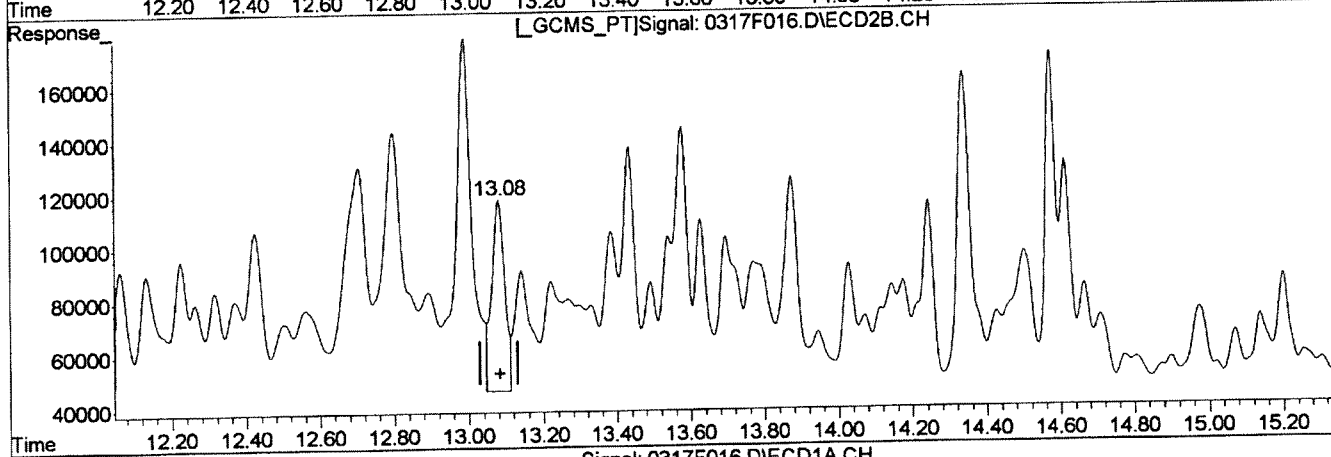
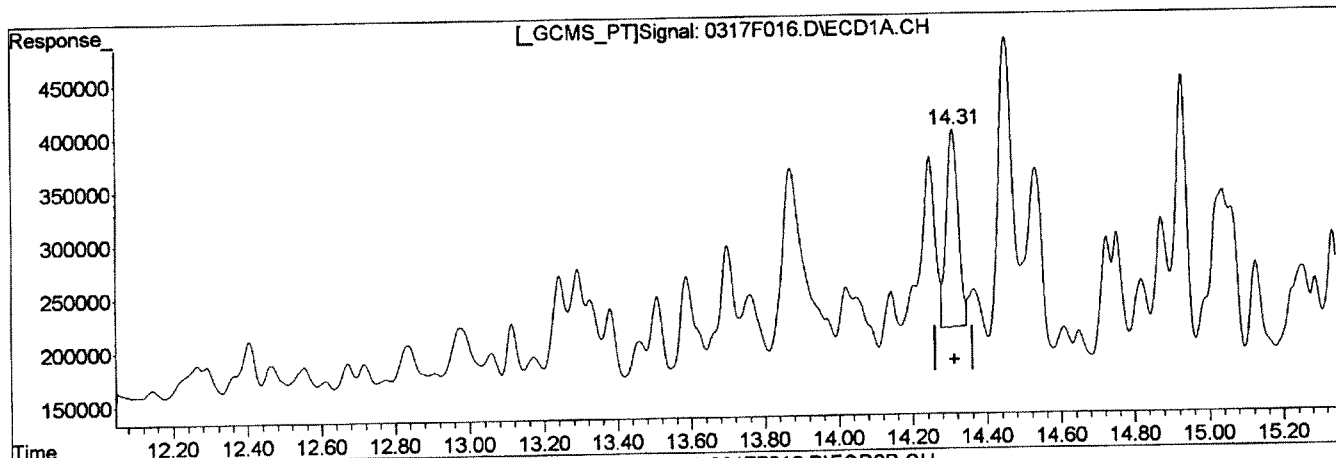
(+) = Expected Retention Time
 0317F016.D GC23-031714-8081.M

Tue Mar 18 16:25:55 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD1A.CH Vial: 84
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:20 pm Operator: SMURRAY
 Sample : TOX @ 2000ppb GCPS7-77N Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F016.D\ECD1A.CH		Manual Integration:
(31) Toxaphene (2)		Before
14.31min	2545.957ug/L	
response	410756	03/18/14
(31) Toxaphene (2) #2		
13.08min	1433.940ug/L	
response	170799	

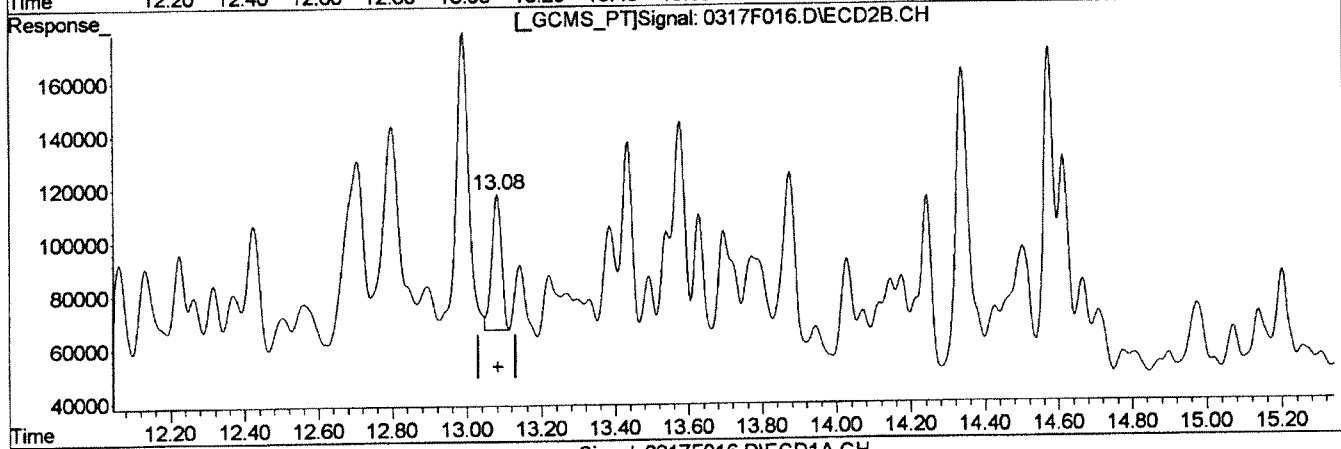
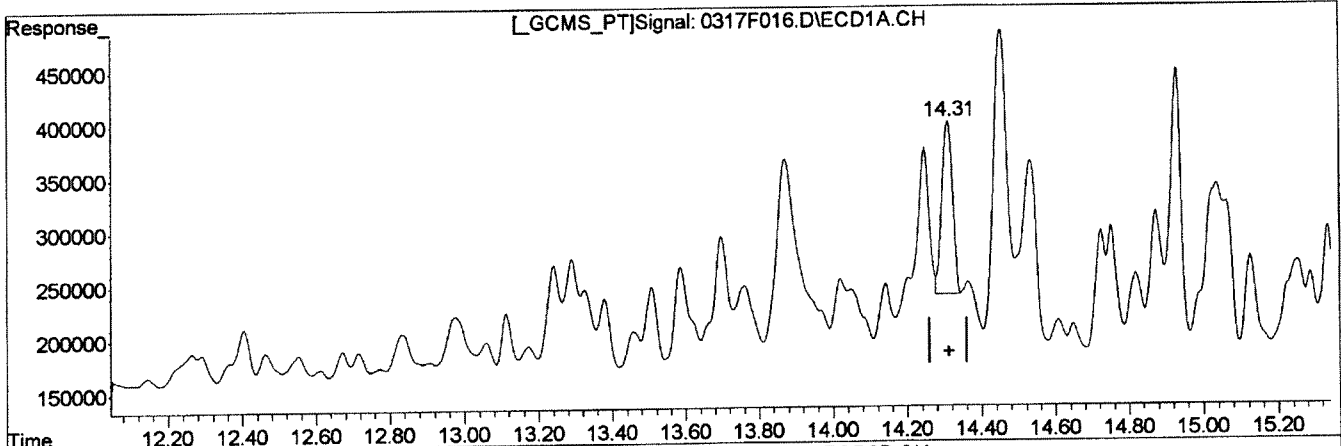
(+) = Expected Retention Time
 0317F016.D GC23-031714-8081.M

Tue Mar 18 16:25:57 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD1A.CH Vial: 84
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:20 pm Operator: SMURRAY
 Sample : TOX @ 2000ppb GCPS7-77N Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F016.D\ECD1A.CH		Manual Integration:
(31) Toxaphene (2)		After
14.31min 1953.147ug/L m		Baseline/Shoulder
response 315114		03/18/14
(31) Toxaphene (2) #2		
13.08min 783.374ug/L m		
response 93309		

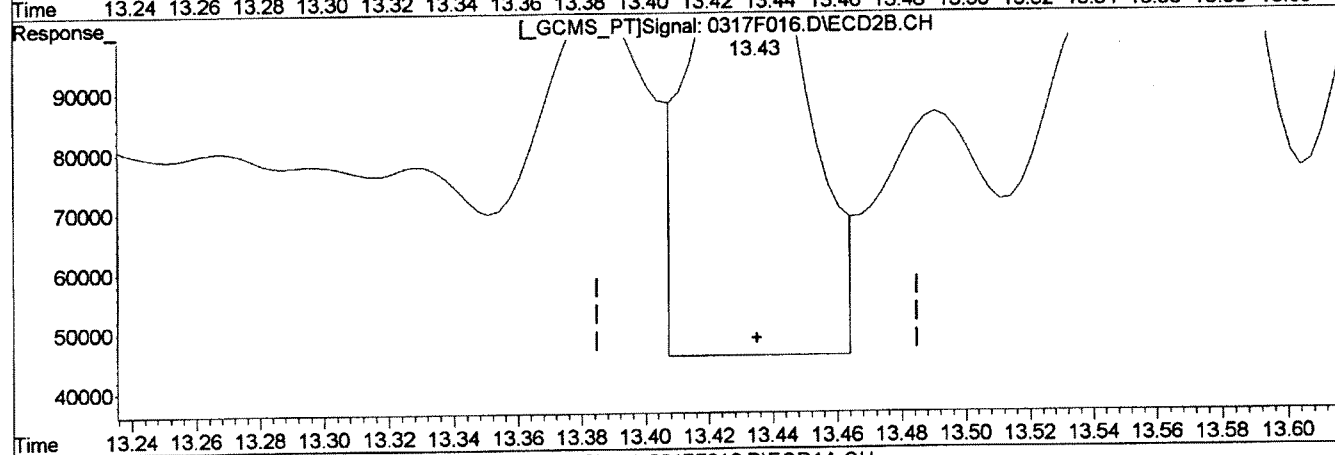
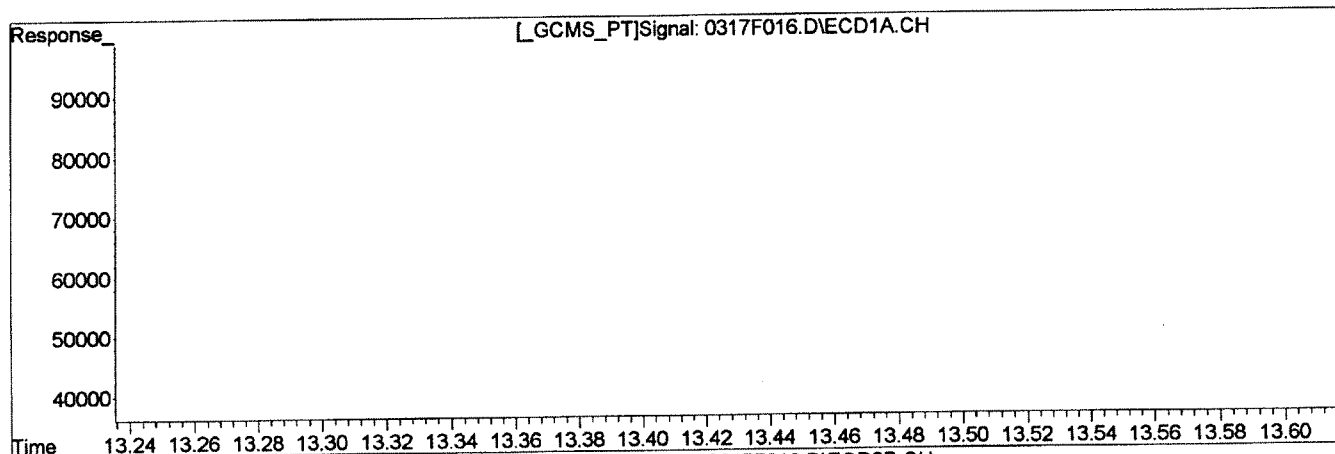
(+) = Expected Retention Time
 0317F016.D GC23-031714-8081.M



Tue Mar 18 16:26:08 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD1A.CH Vial: 84
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:20 pm Operator: SMURRAY
 Sample : TOX @ 2000ppb GCPS7-77N Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F016.D\ECD1A.CH		Manual Integration:
(32) Toxaphene (3)		Before
14.45min 1817.301ug/L		
response 723522		03/18/14
(32) Toxaphene (3) #2		
13.43min 4437.880ug/L		
response 199740		

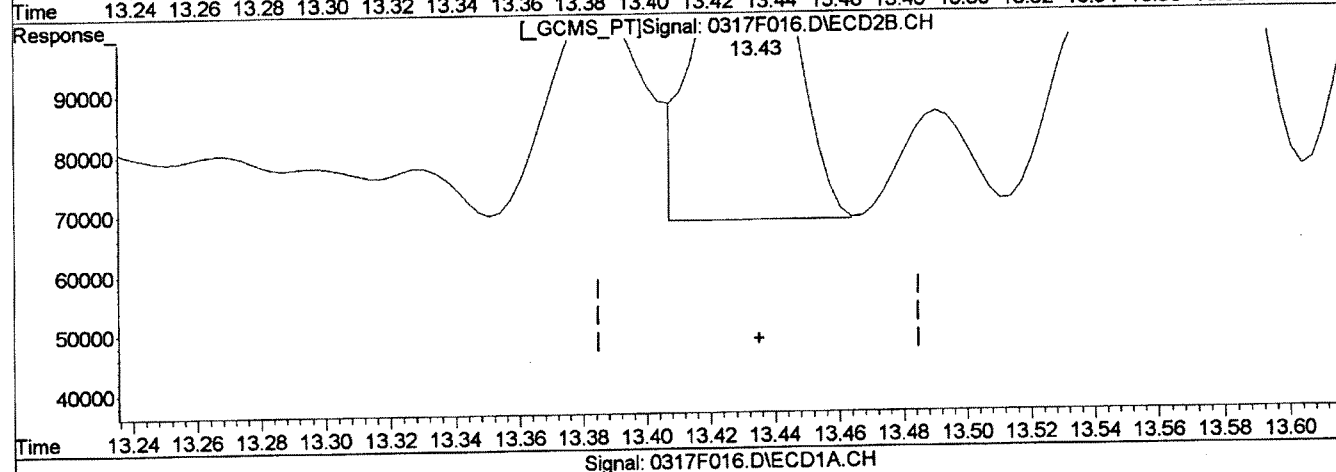
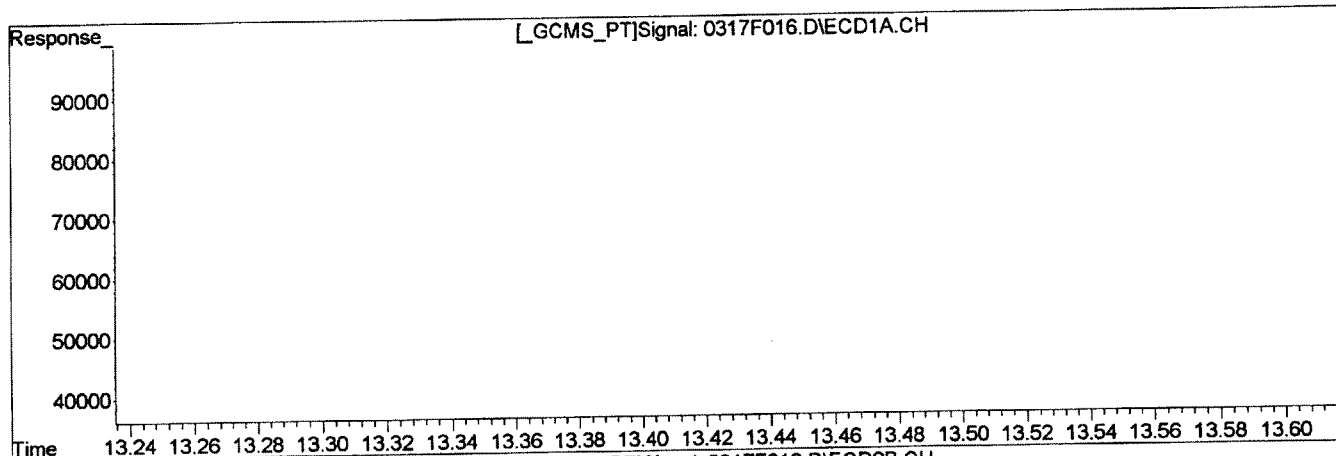
(+) = Expected Retention Time
 0317F016.D GC23-031714-8081.M

Tue Mar 18 16:26:10 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD1A.CH Vial: 84
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:20 pm Operator: SMURRAY
 Sample : TOX @ 2000ppb GCPS7-77N Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



(32) Toxaphene (3)
 14.45min 1817.301ug/L
 response 723522

(32) Toxaphene (3) #2
 13.43min 2716.163ug/L m
 response 122249

Manual Integration:
 After
 Baseline/Shoulder
 03/18/14

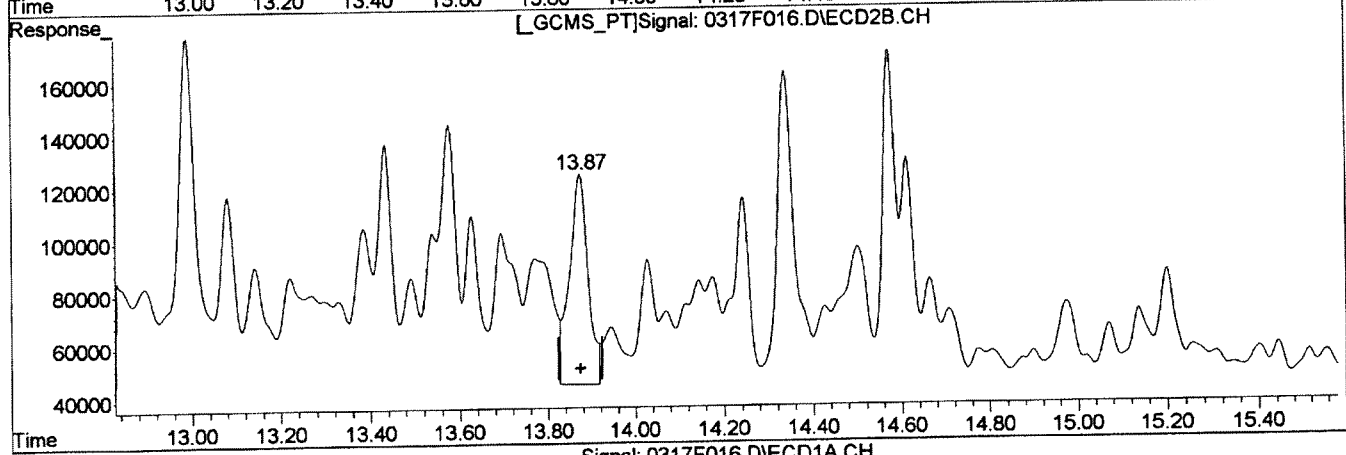
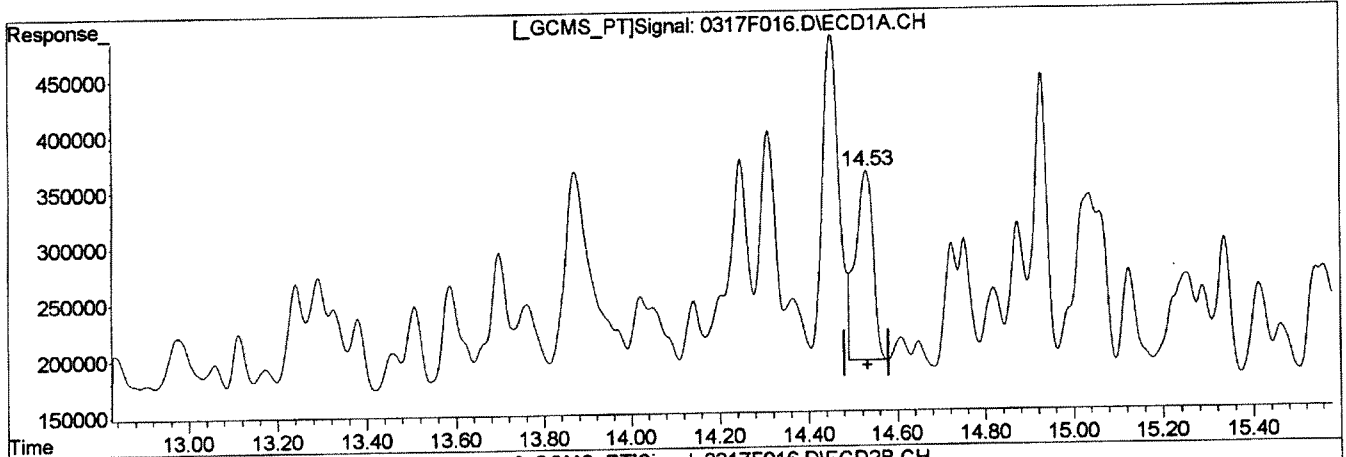
(+) = Expected Retention Time
 0317F016.D GC23-031714-8081.M

Tue Mar 18 16:26:18 2014



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD1A.CH Vial: 84
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:20 pm Operator: SMURRAY
 Sample : TOX @ 2000ppb GCPS7-77N Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F016.D\ECD1A.CH

(33) Toxaphene (4)	Manual Integration:
14.53min 1774.058ug/L	Before
response 462647	03/18/14
(33) Toxaphene (4) #2	
13.87min 3504.191ug/L	
response 234824	

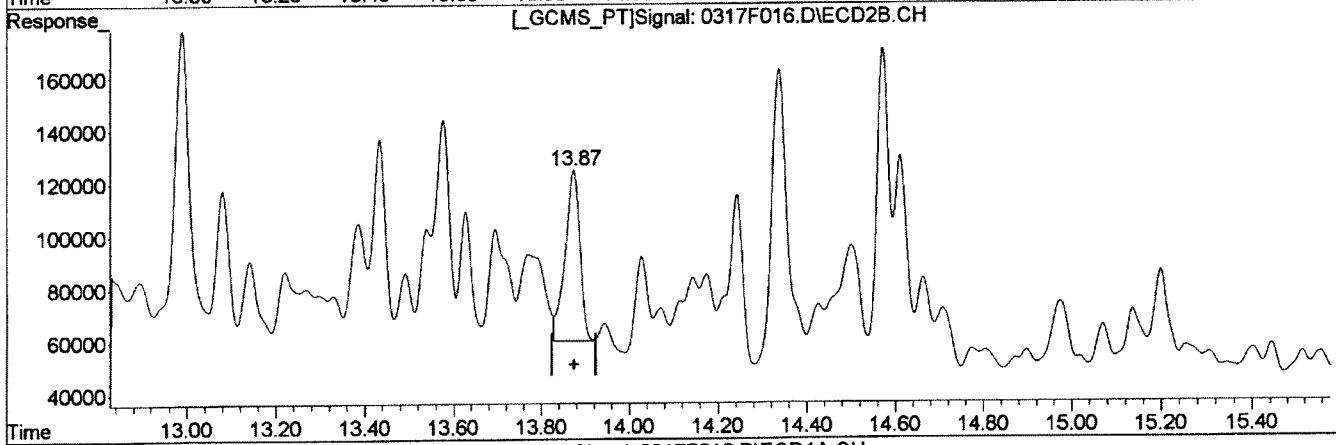
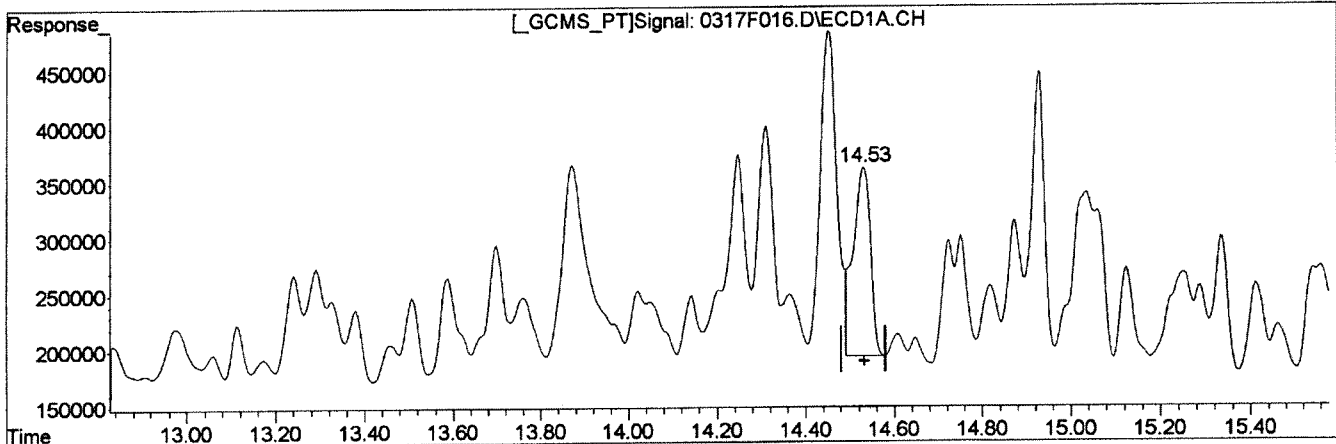
(+) = Expected Retention Time
 0317F016.D GC23-031714-8081.M

Tue Mar 18 16:26:20 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD1A.CH Vial: 84
Signal #2 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD2B.CH
Acq On : 17 Mar 2014 8:20 pm Operator: SMURRAY
Sample : TOX @ 2000ppb GCPS7-77N Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F016.D\ECD1A.CH	
(33) Toxaphene (4)	Manual Integration:
14.53min 1774.058ug/L	After
response 462647	Baseline/Shoulder
	03/18/14
(33) Toxaphene (4) #2	
13.87min 2293.682ug/L m	
response 153705	

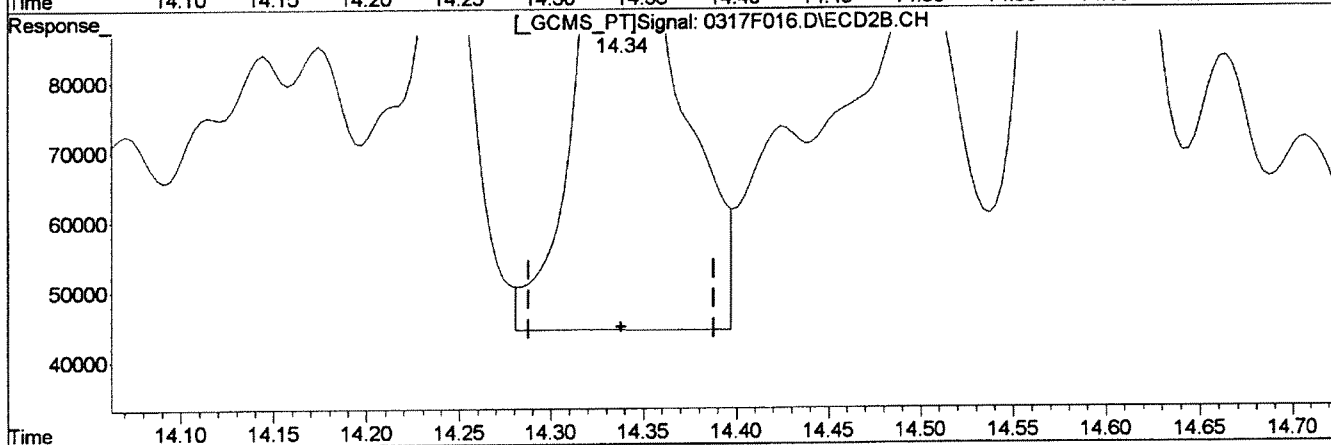
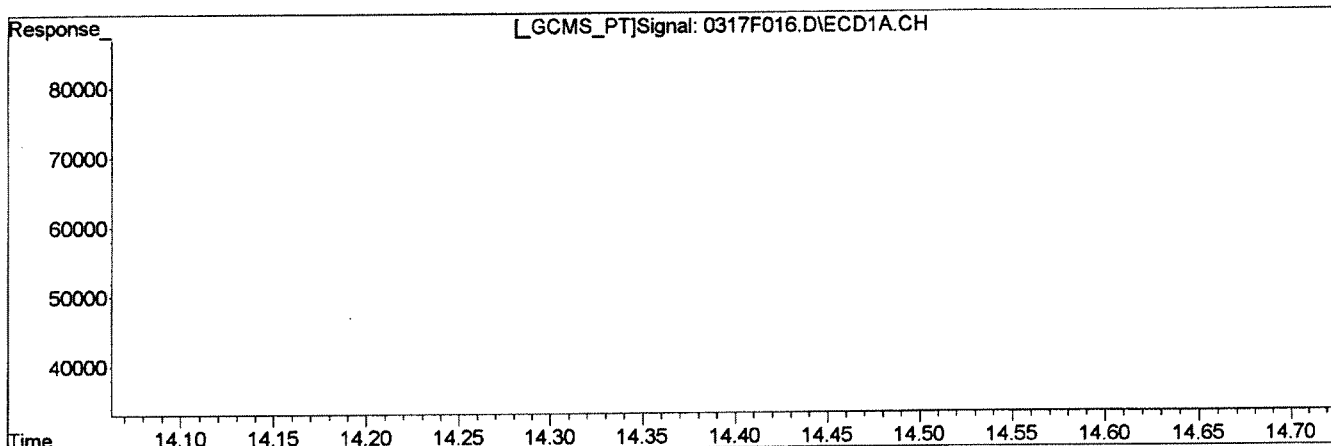
(+) = Expected Retention Time
0317F016.D GC23-031714-8081.M

Tue Mar 18 16:26:28 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD1A.CH Vial: 84
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:20 pm Operator: SMURRAY
 Sample : TOX @ 2000ppb GCPS7-77N Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



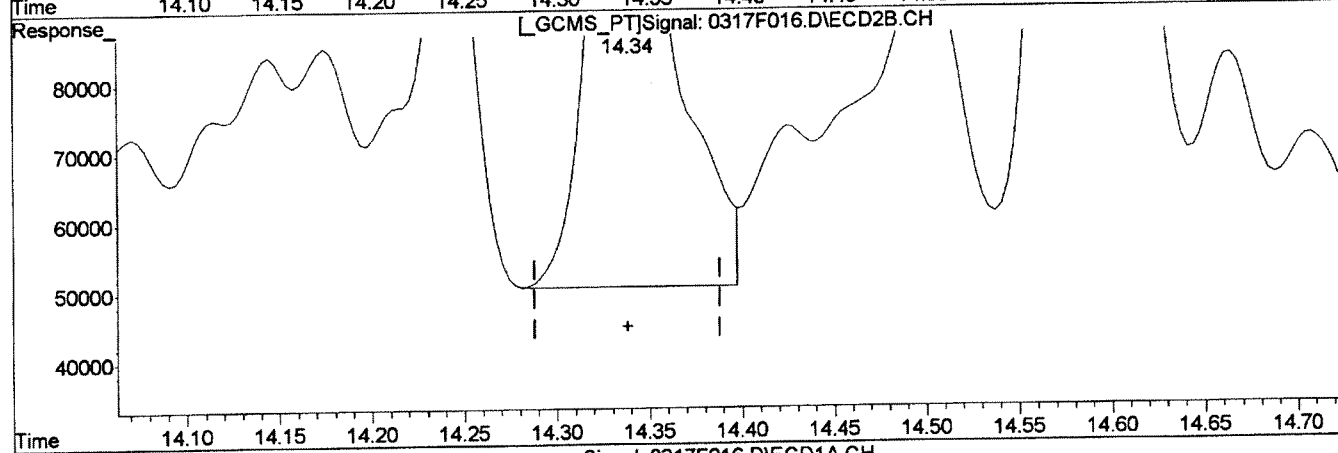
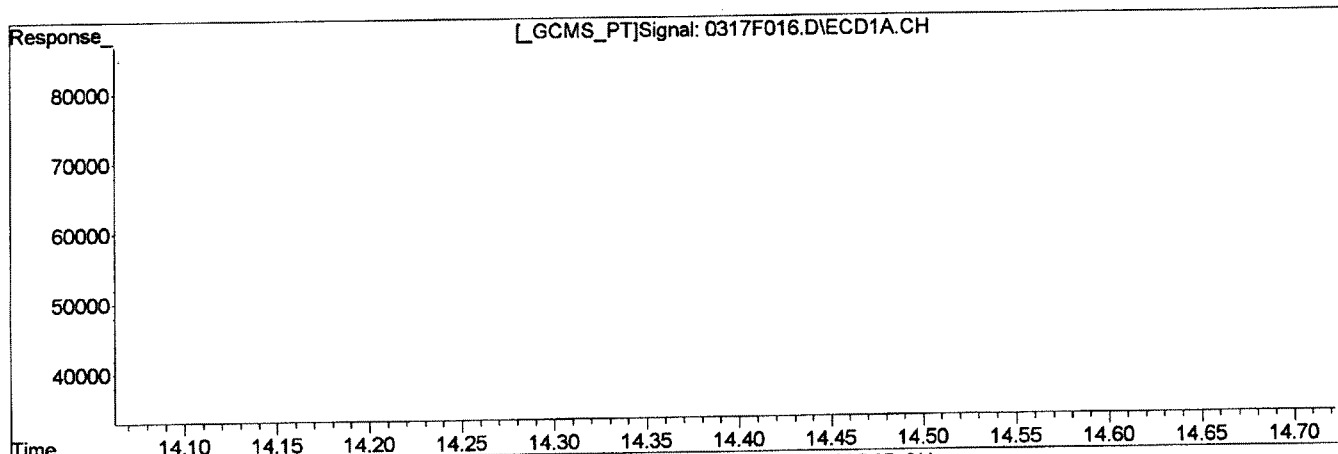
Signal: 0317F016.D\ECD1A.CH		Manual Integration:
(34) Toxaphene (5)		Before
14.93min 1900.238ug/L		
response 491173		03/18/14
(34) Toxaphene (5) #2		
14.34min 4114.867ug/L		
response 331509		

(+) = Expected Retention Time
 0317F016.D GC23-031714-8081.M Tue Mar 18 16:26:31 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD1A.CH Vial: 84
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:20 pm Operator: SMURRAY
 Sample : TOX @ 2000ppb GCPS7-77N Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F016.D\ECD1A.CH

(34) Toxaphene (5)	Manual Integration:
14.93min 1900.238ug/L	After
response 491173	Baseline/Shoulder
	03/18/14
(34) Toxaphene (5) #2	
14.34min 3581.675ug/L m	
response 288553	

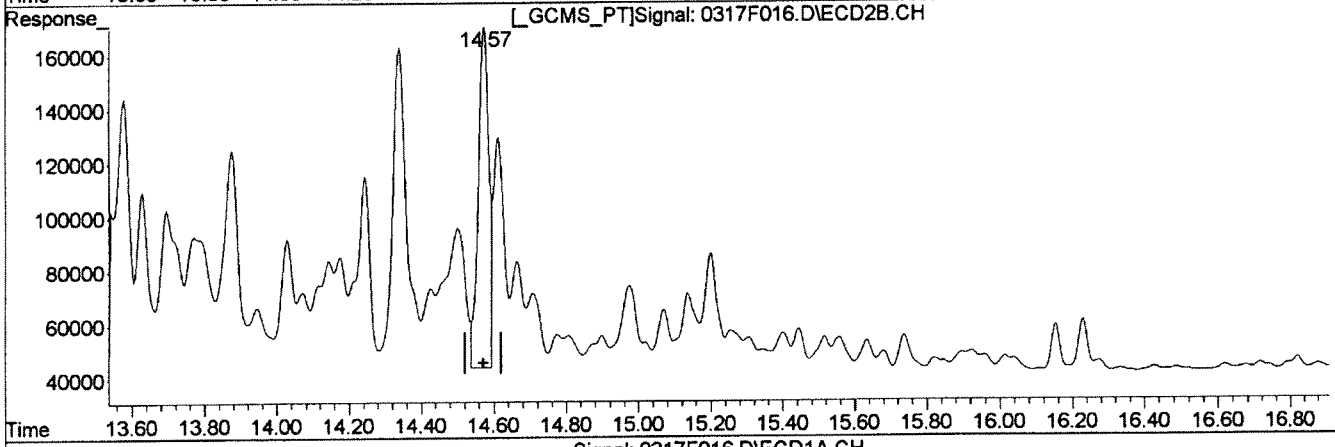
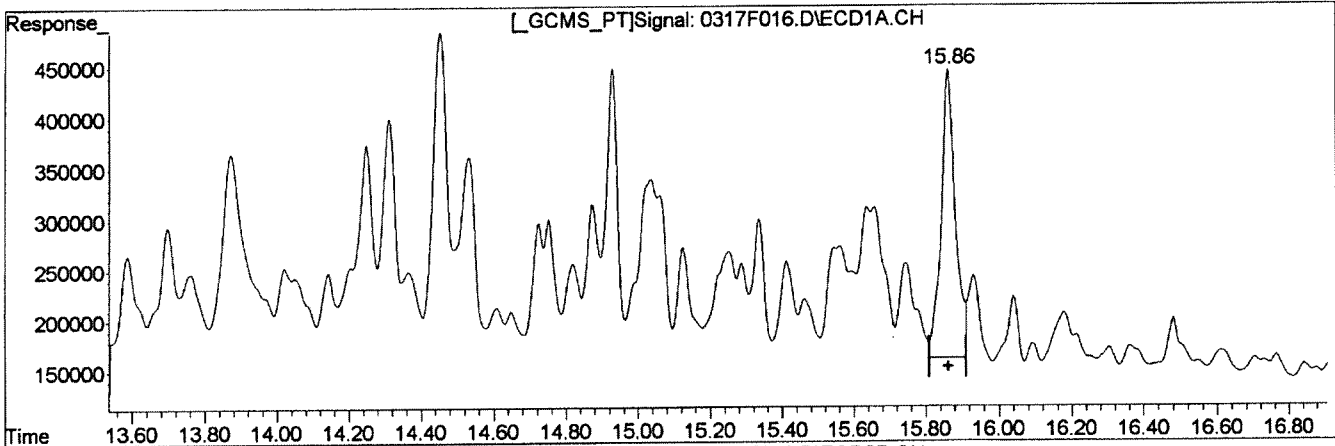
(+) = Expected Retention Time
 0317F016.D GC23-031714-8081.M

Tue Mar 18 16:26:34 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD1A.CH Vial: 84
Signal #2 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD2B.CH
Acq On : 17 Mar 2014 8:20 pm Operator: SMURRAY
Sample : TOX @ 2000ppb GCPS7-77N Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F016.D\ECD1A.CH	
(35) Toxaphene {6}	Manual Integration:
15.86min 1777.102ug/L	Before
response 769086	03/18/14
(35) Toxaphene {6} #2	
14.57min 2147.235ug/L	
response 257333	

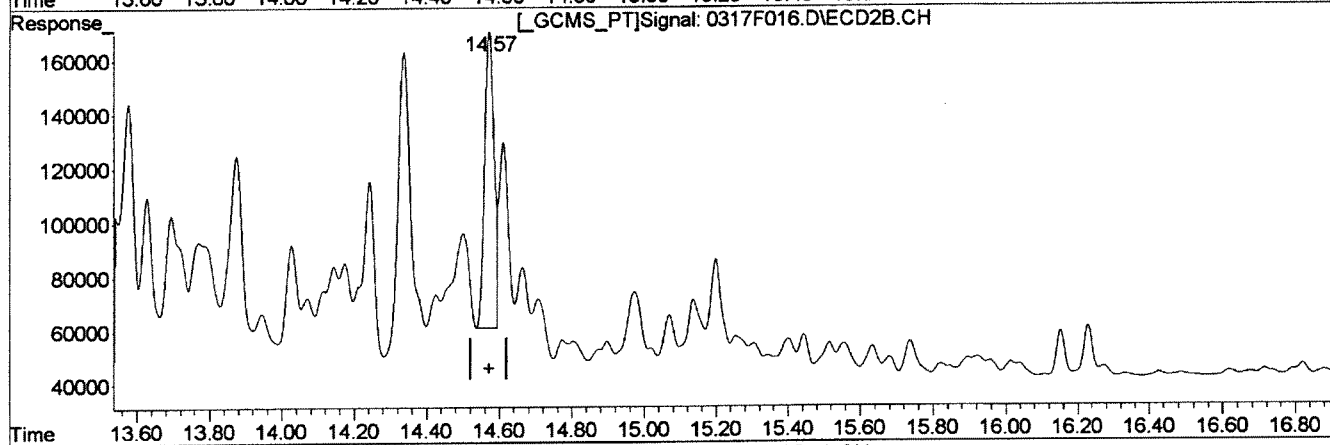
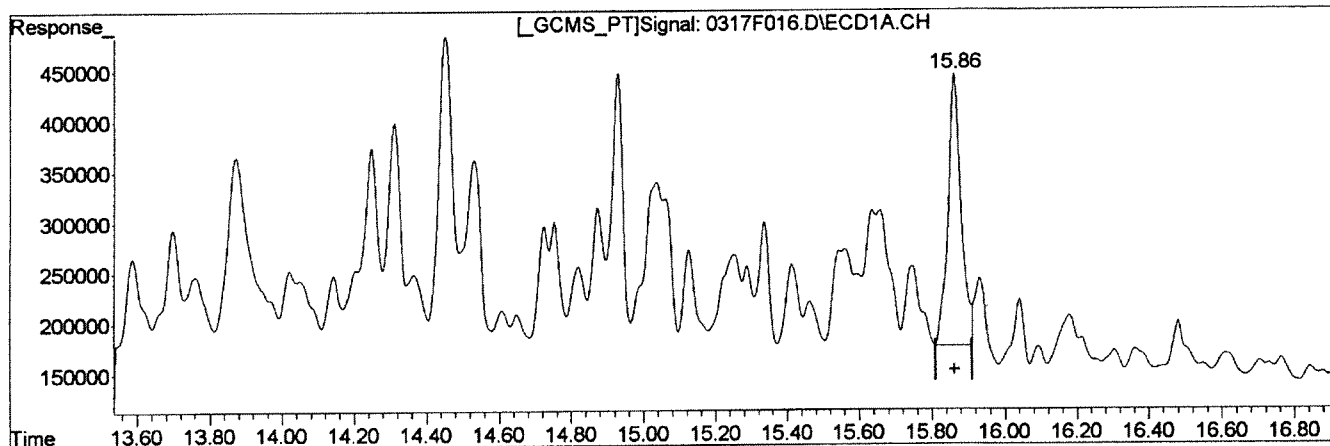
(+) = Expected Retention Time
0317F016.D GC23-031714-8081.M

Tue Mar 18 16:26:36 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD1A.CH Vial: 84
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F016.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:20 pm Operator: SMURRAY
 Sample : TOX @ 2000ppb GCPS7-77N Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F016.D\ECD1A.CH		Manual Integration:
(35) Toxaphene (6)		After
15.86min	1563.342ug/L m	Baseline/Shoulder
response	676576	03/18/14
(35) Toxaphene (6) #2		
14.57min	1673.193ug/L m	
response	200522	

(+) = Expected Retention Time
 0317F016.D GC23-031714-8081.M Tue Mar 18 16:26:51 2014

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD1A.CH Vial: 85
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:49 pm Operator: SMURRAY
 Sample : TOX @ 5000ppb GCPS7-770 Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19:56 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

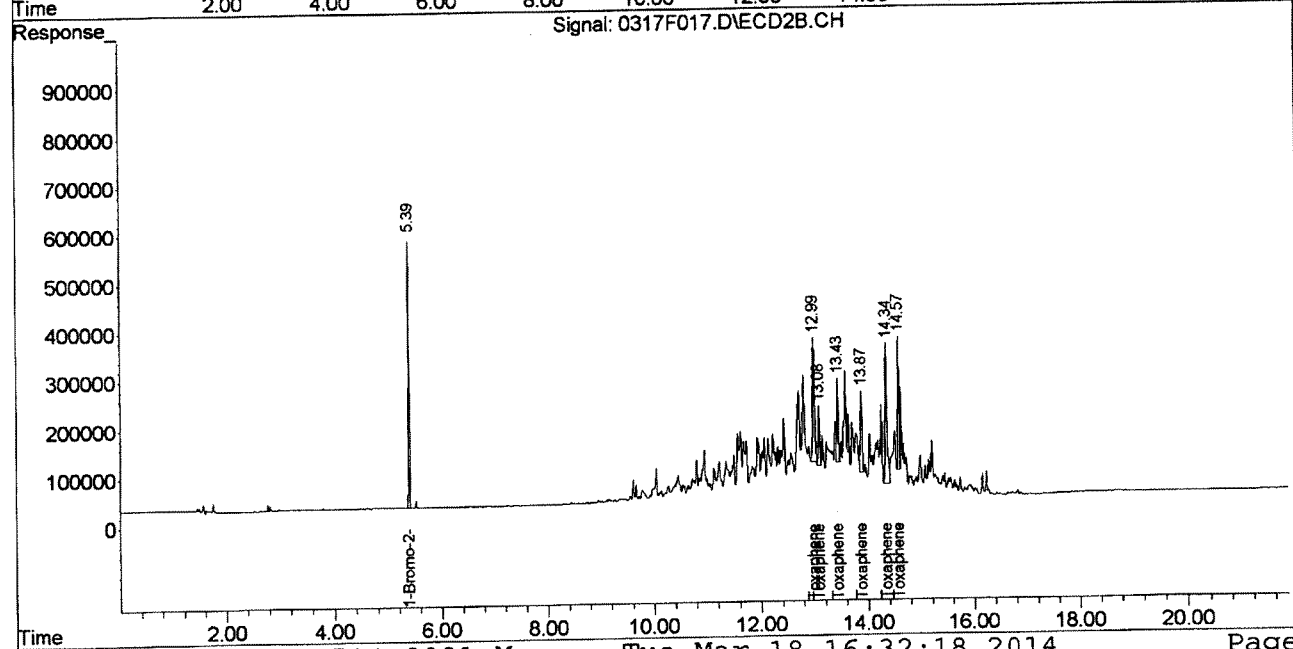
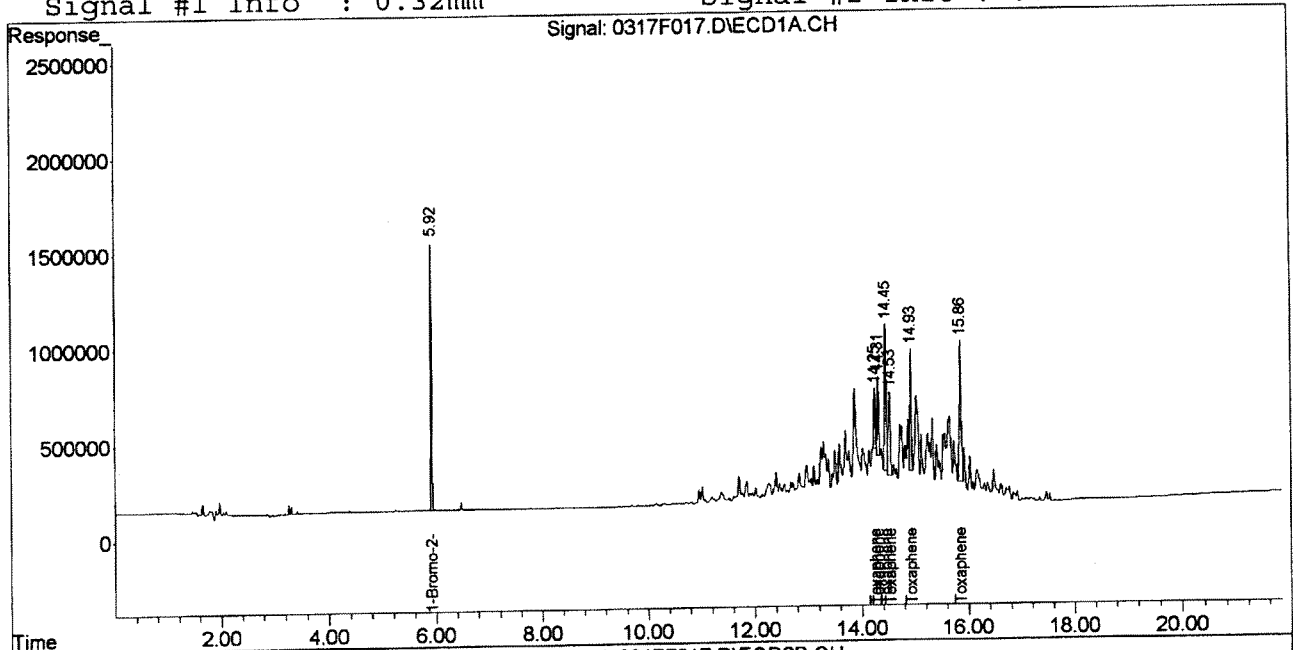
Internal Standards						
29) 1-Bromo-2-nitrob	5.92	5.39	1762816	654672	100.000	100.000
System Monitoring Compounds						
Target Compounds						
30) Toxaphene	14.25	12.99	567666	586797	4997.355m	10174.079m#
31) Toxaphene {2}	14.31	13.08	812416	217618	4989.479m	1801.825m#
32) Toxaphene {3}	14.45	13.43	1801588	299012	4483.738m	6551.960m#
33) Toxaphene {4}	14.53	13.87	1194616	378188	4538.955m	5565.768m
34) Toxaphene {5}	14.93	14.34	1229969	726198	4714.953m	8889.710 #
35) Toxaphene {6}	15.86	14.57	1801041	485337	4123.545m	3993.921m

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD1A.CH Vial: 85
Signal #2 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD2B.CH
Acq On : 17 Mar 2014 8:49 pm Operator: SMURRAY
Sample : TOX @ 5000ppb GCPS7-770 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:28 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration
DataAcq Meth : PESTNEW.M

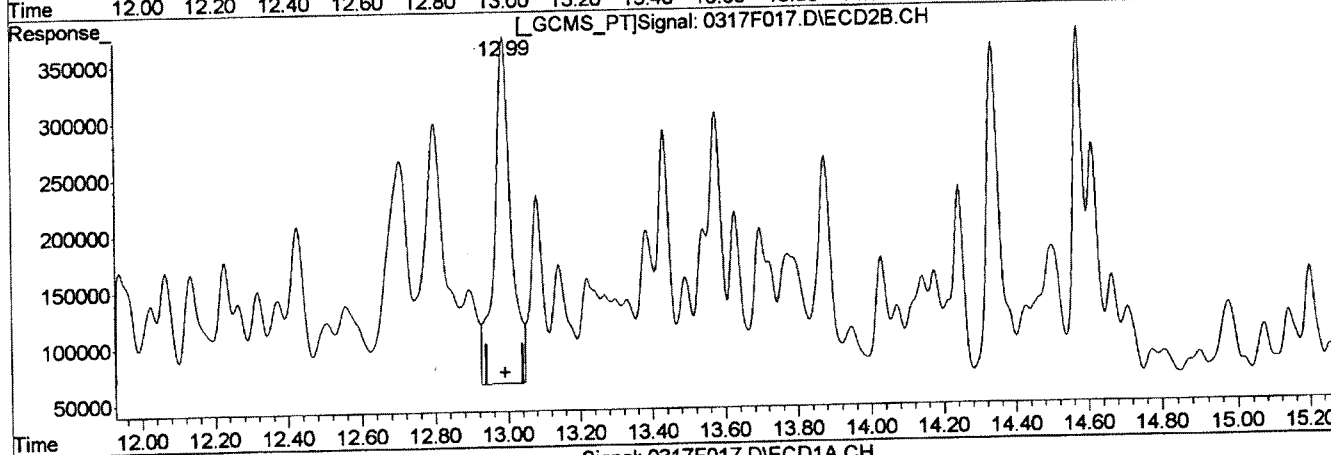
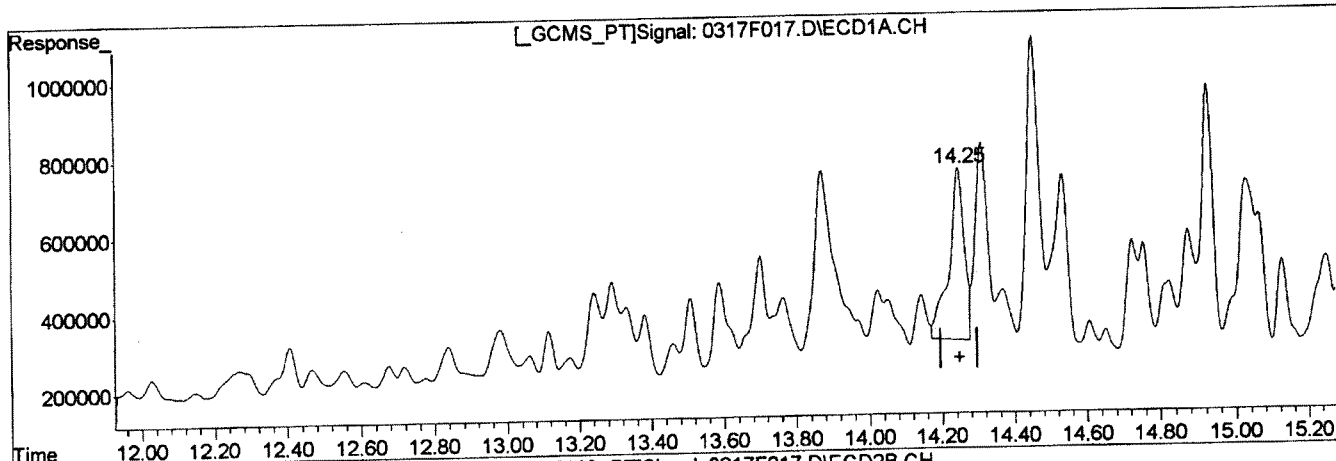
Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD1A.CH Vial: 85
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:49 pm Operator: SMURRAY
 Sample : TOX @ 5000ppb GCPS7-770 Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F017.D\ECD1A.CH

(30) Toxaphene	Manual Integration:
14.25min 11416.115ug/L	Before
response 1296794	03/18/14
(30) Toxaphene #2	
12.99min 16749.190ug/L	
response 966021	

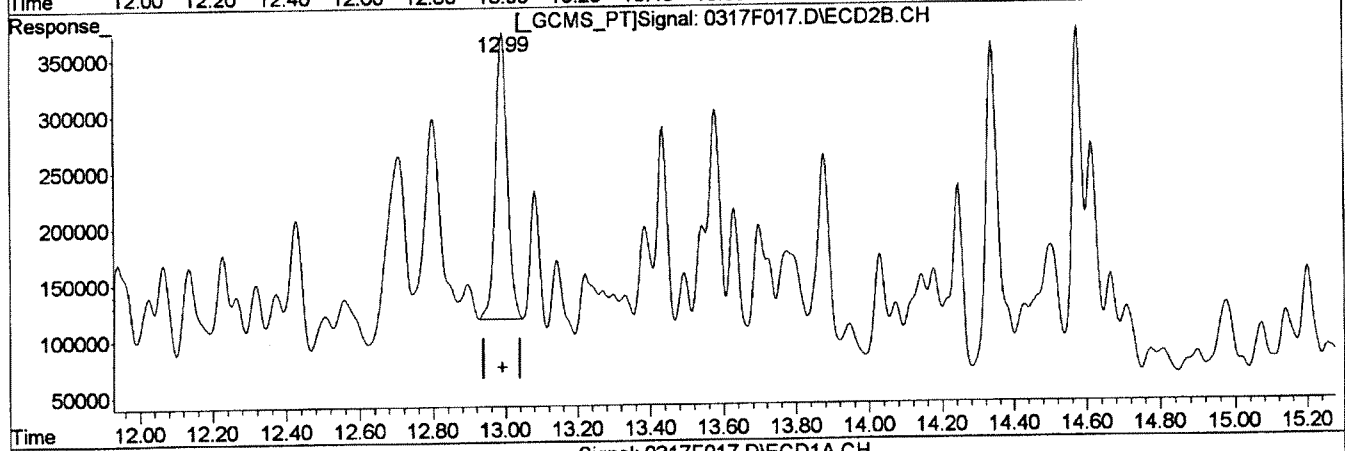
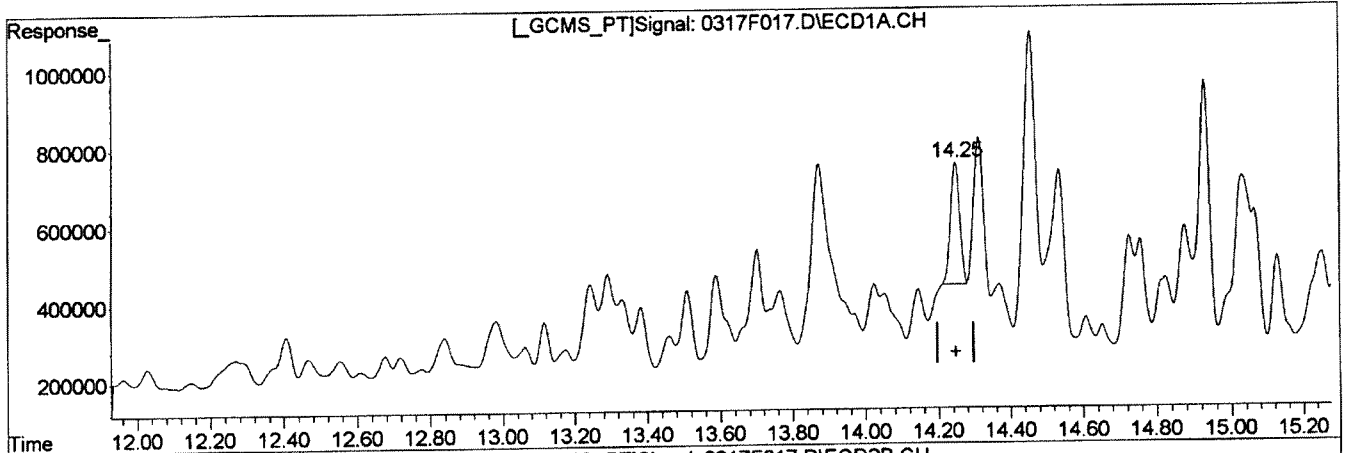
(+) = Expected Retention Time
 0317F017.D GC23-031714-8081.M

Tue Mar 18 16:27:34 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD1A.CH Vial: 85
Signal #2 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD2B.CH
Acq On : 17 Mar 2014 8:49 pm Operator: SMURRAY
Sample : TOX @ 5000ppb GCPS7-770 Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F017.D\ECD1A.CH

(30) Toxaphene
14.25min 4997.355ug/L m
response 567666

(30) Toxaphene #2
12.99min 10174.079ug/L m
response 586797

Manual Integration:
After
Baseline/Shoulder
03/18/14

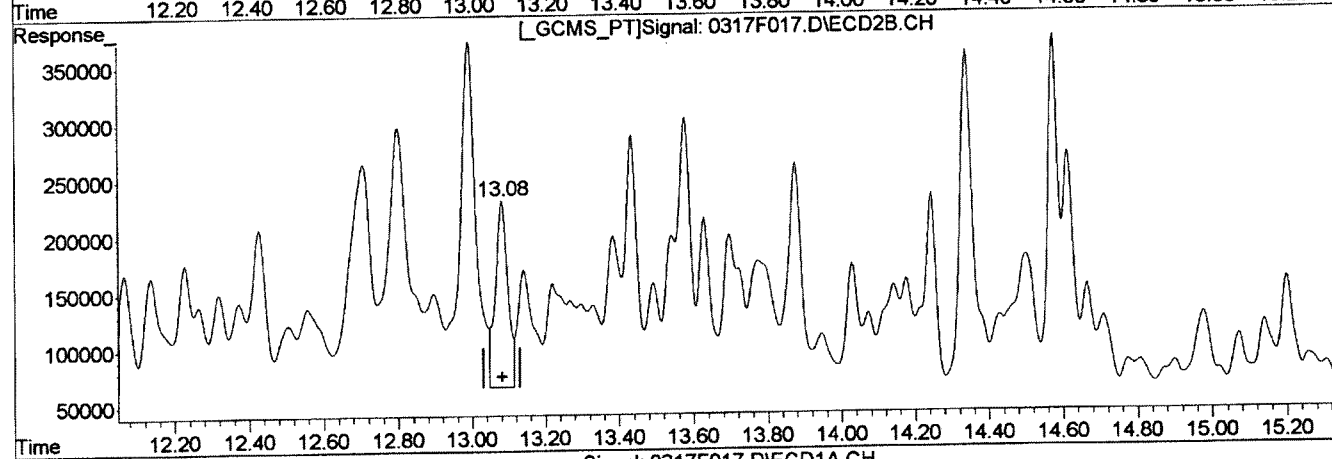
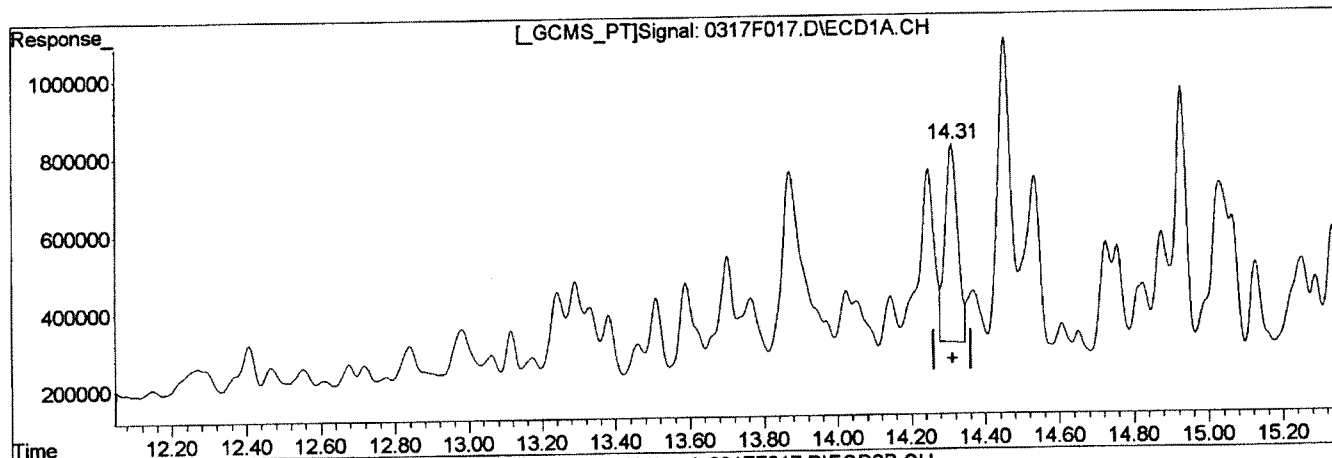
(+) = Expected Retention Time
0317F017.D GC23-031714-8081.M

Tue Mar 18 16:27:47 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD1A.CH Vial: 85
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:49 pm Operator: SMURRAY
 Sample : TOX @ 5000ppb GCPS7-770 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F017.D\ECD1A.CH

Retention Time (min)	Response	Concentration (ug/L)	Integration Status	Date
14.31	1200122	7370.588	Manual Integration: Before	03/18/14
13.08	390096	3229.901		

(+) = Expected Retention Time

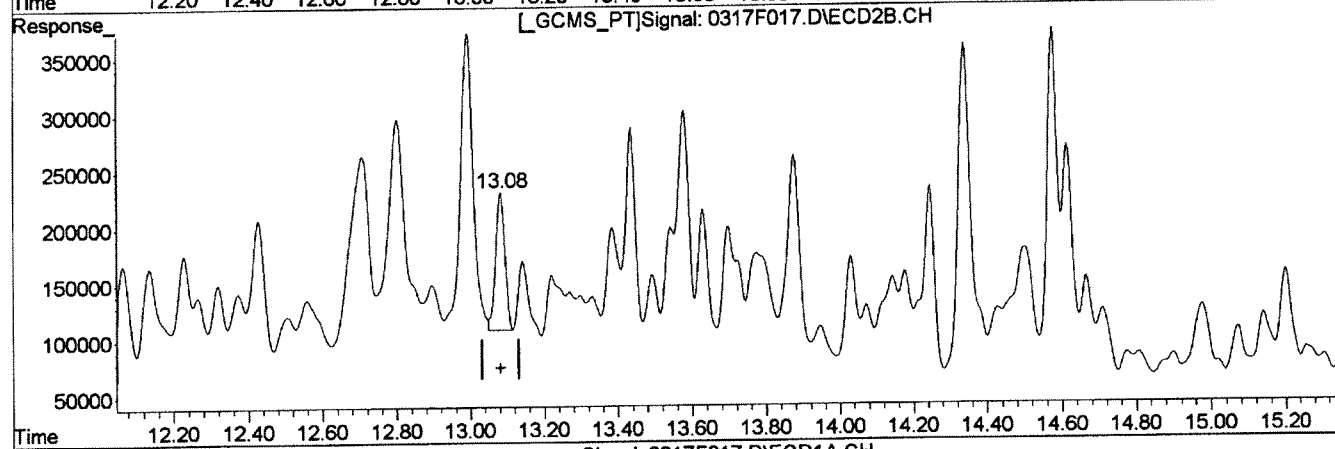
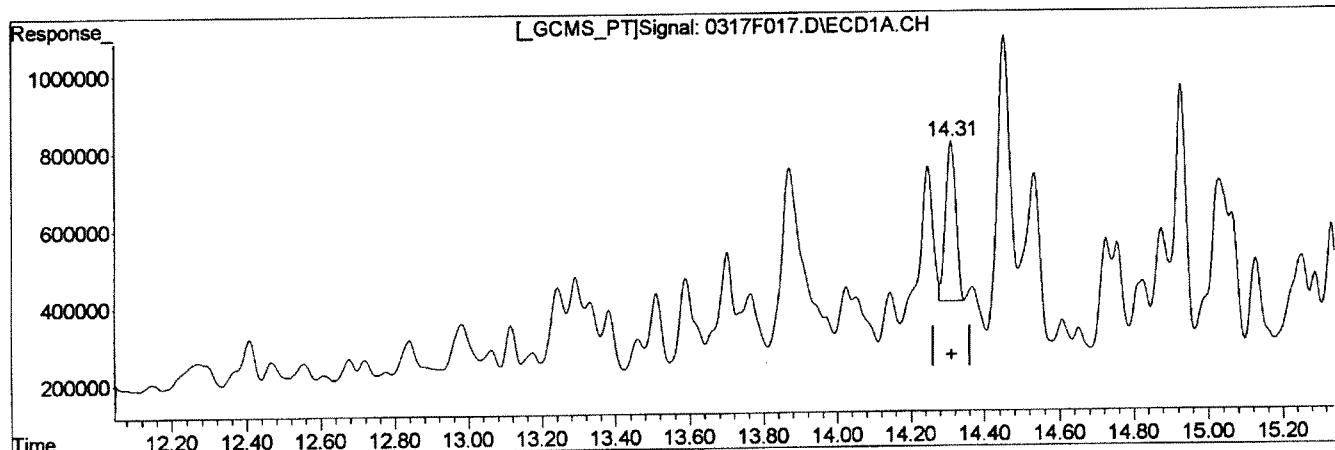
(+) = Expected Retention Time
 0317F017.D GC23-031714-8081.M

Tue Mar 18 16:27:48 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD1A.CH Vial: 85
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:49 pm Operator: SMURRAY
 Sample : TOX @ 5000ppb GCPS7-770 Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F017.D\ECD1A.CH

(31) Toxaphene (2)	Manual Integration:
14.31min 4989.479ug/L m	After
response 812416	Baseline/Shoulder
	03/18/14
(31) Toxaphene (2) #2	
13.08min 1801.825ug/L m	
response 217618	

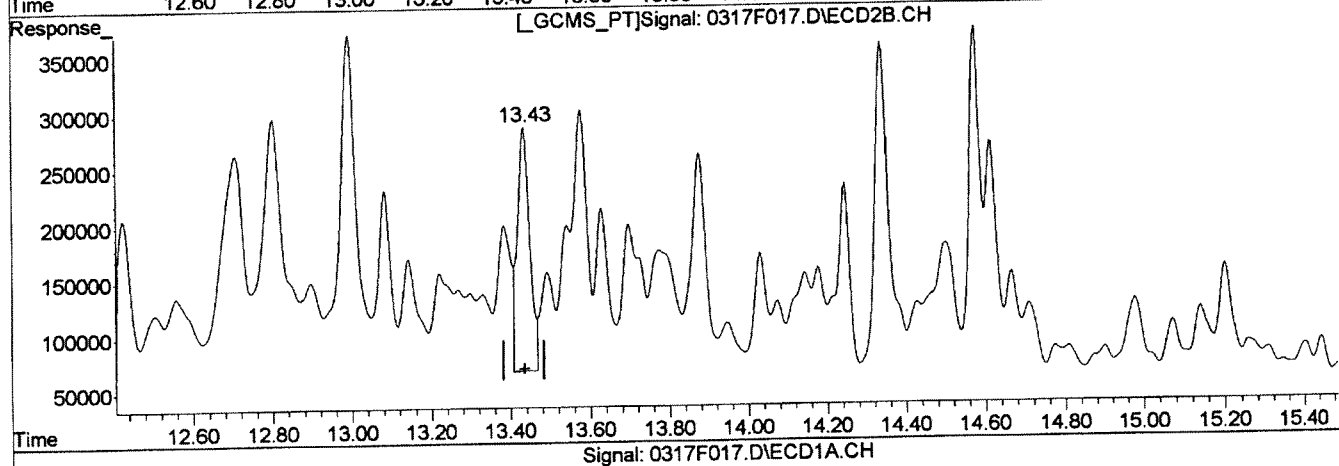
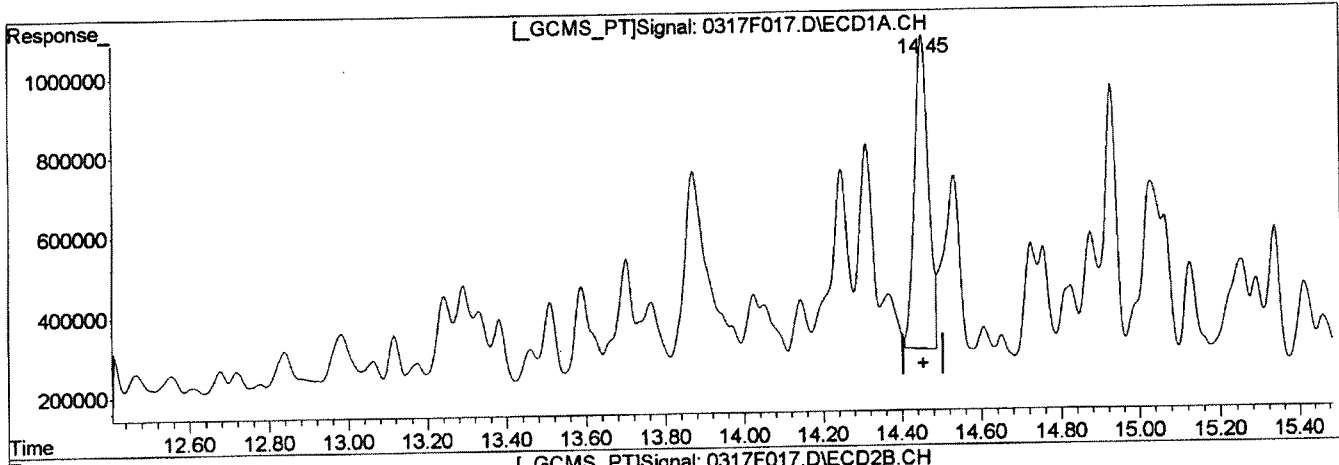
(+) = Expected Retention Time
 0317F017.D GC23-031714-8081.M

Tue Mar 18 16:27:58 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD1A.CH Vial: 85
Signal #2 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD2B.CH
Acq On : 17 Mar 2014 8:49 pm Operator: SMURRAY
Sample : TOX @ 5000ppb GCPS7-770 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F017.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response	Integration Status	Date
(32) Toxaphene {3}			Manual Integration: Before	
14.45min	4778.149ug/L	1919884		03/18/14
(32) Toxaphene {3} #2				
13.43min	10233.772ug/L	467039		

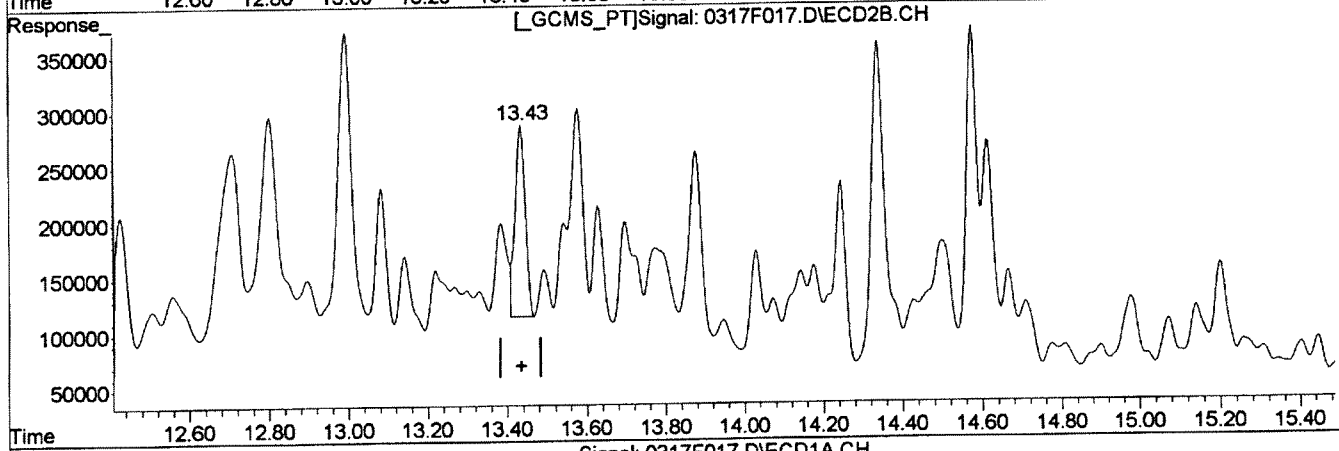
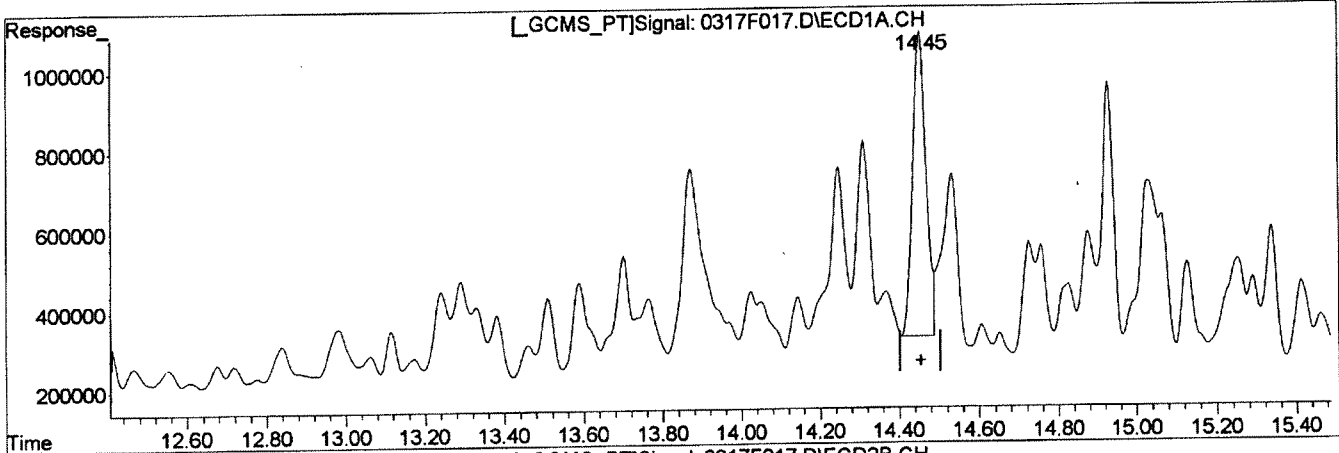
(+) = Expected Retention Time
0317F017.D GC23-031714-8081.M

Tue Mar 18 16:27:59 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD1A.CH Vial: 85
Signal #2 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD2B.CH
Acq On : 17 Mar 2014 8:49 pm Operator: SMURRAY
Sample : TOX @ 5000ppb GCPS7-770 Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

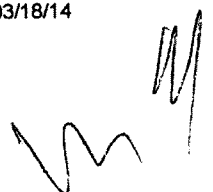
Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F017.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L m)	Response	Notes
14.45	4483.738	1801588	(32) Toxaphene (3)
13.43	6551.960	299012	(32) Toxaphene (3) #2

Manual Integration:
After
Baseline/Shoulder
03/18/14



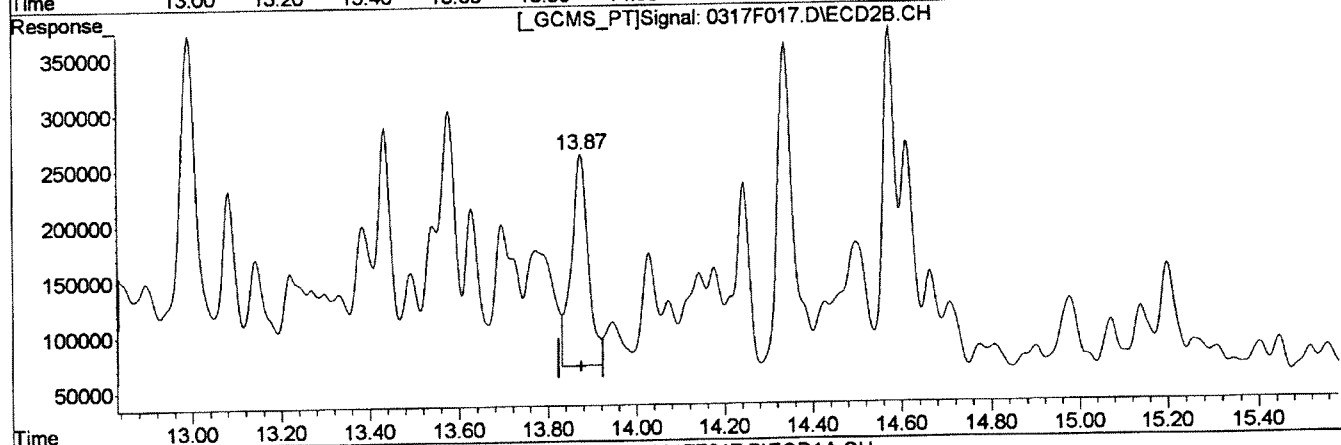
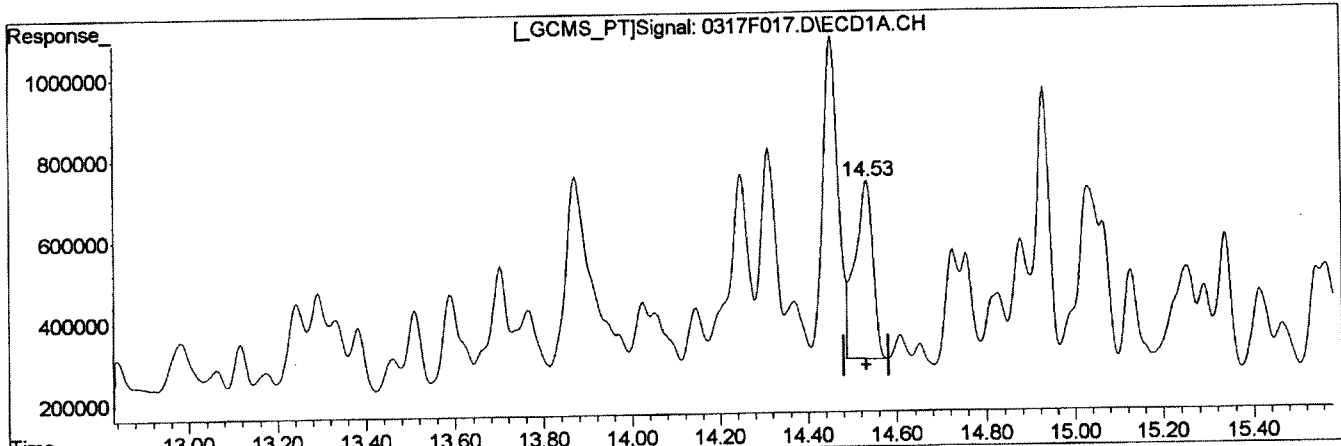
(+) = Expected Retention Time
0317F017.D GC23-031714-8081.M

Tue Mar 18 16:28:10 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD1A.CH Vial: 85
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:49 pm Operator: SMURRAY
 Sample : TOX @ 5000ppb GCPS7-770 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F017.D\ECD1A.CH		Manual Integration:
(33) Toxaphene (4)		Before
14.53min 4560.475ug/L		
response 1200280		03/18/14
(33) Toxaphene (4) #2		
13.87min 7475.716ug/L		
response 507967		

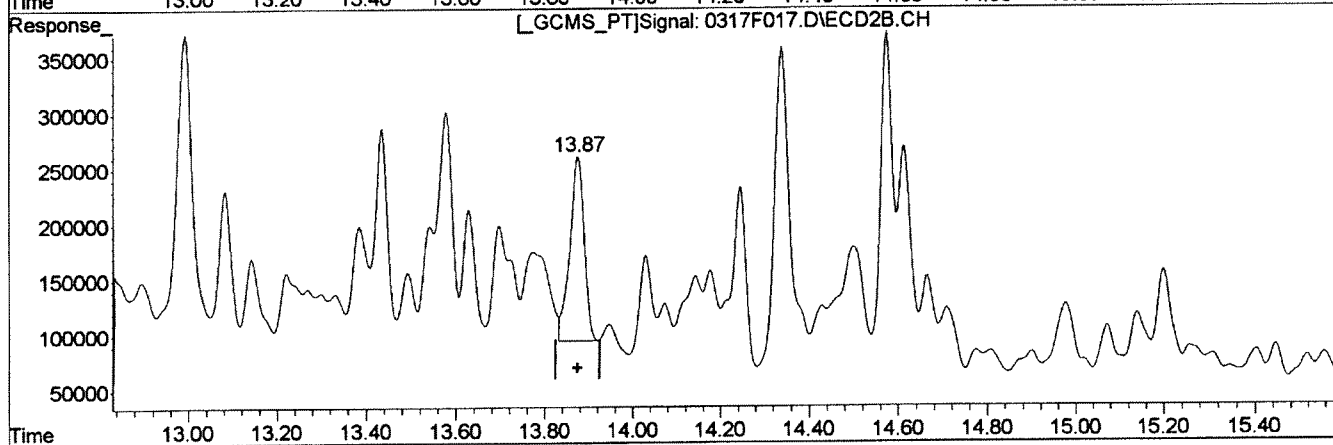
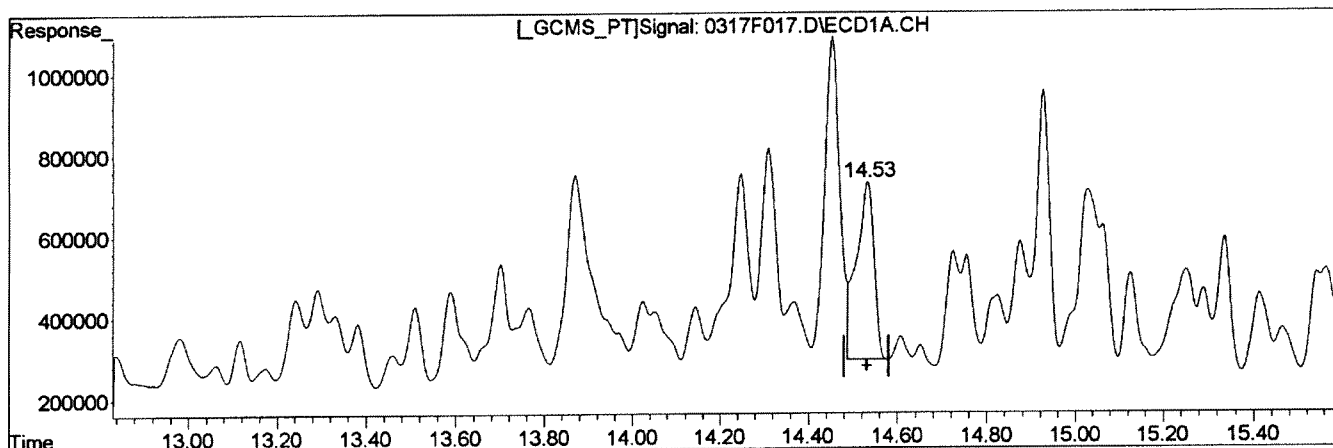
(+) = Expected Retention Time
 0317F017.D GC23-031714-8081.M

Tue Mar 18 16:28:11 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD1A.CH Vial: 85
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:49 pm Operator: SMURRAY
 Sample : TOX @ 5000ppb GCPS7-770 Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



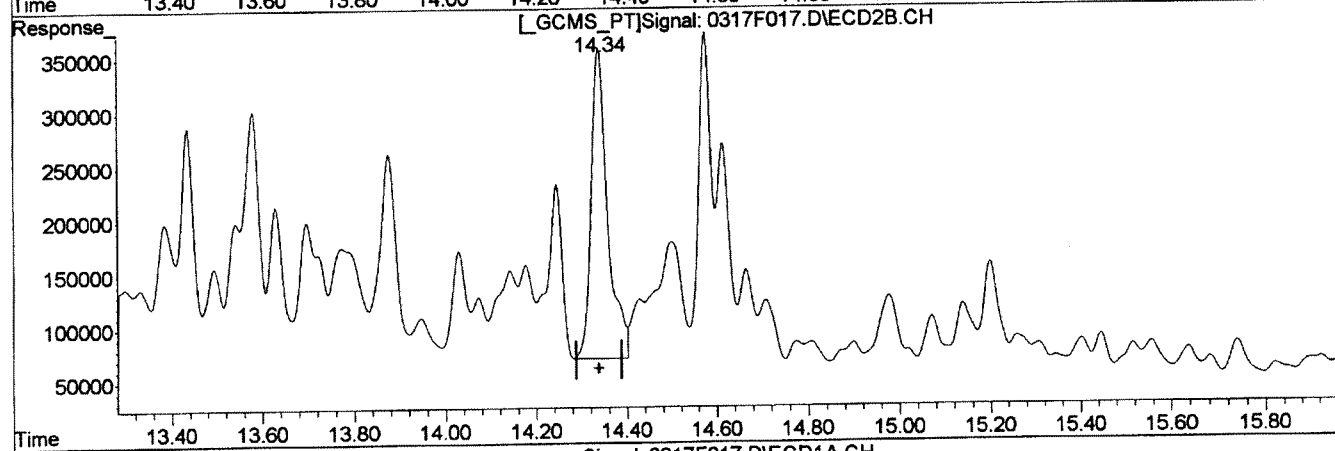
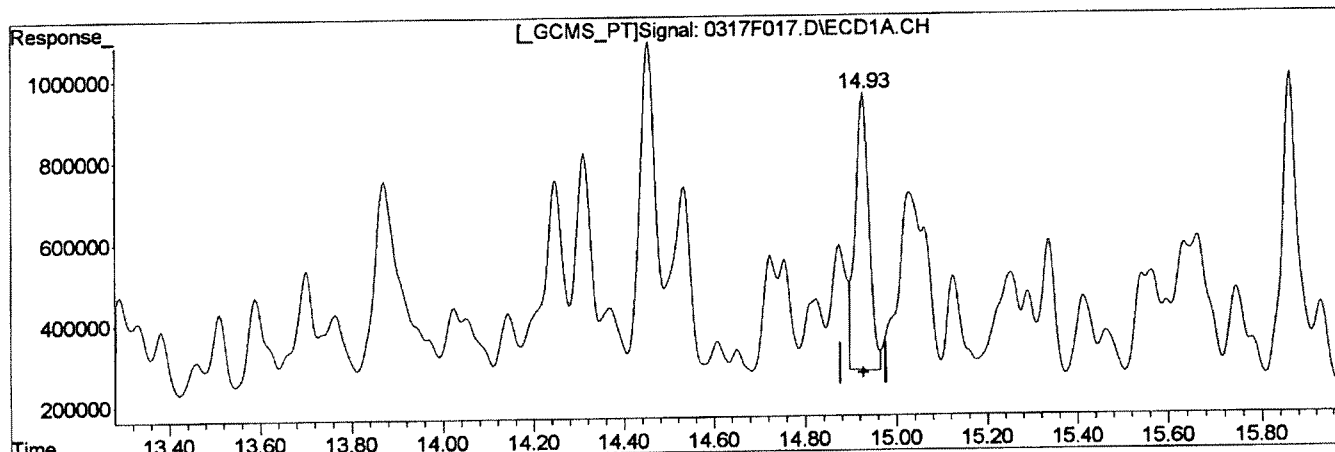
Signal: 0317F017.D\ECD1A.CH		Manual Integration:
(33) Toxaphene {4}		After
14.53min	4538.955ug/L m	Baseline/Shoulder
response	1194616	03/18/14
(33) Toxaphene {4} #2		
13.87min	5565.768ug/L m	
response	378188	

(+) = Expected Retention Time
 0317F017.D GC23-031714-8081.M Tue Mar 18 16:28:21 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD1A.CH Vial: 85
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:49 pm Operator: SMURRAY
 Sample : TOX @ 5000ppb GCPS7-770 Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F017.D\ECD1A.CH		Manual Integration:
(34) Toxaphene (5)		Before
14.93min	5387.115ug/L	
response	1405313	03/18/14
(34) Toxaphene (5) #2		
14.34min	8889.710ug/L	
response	726198	

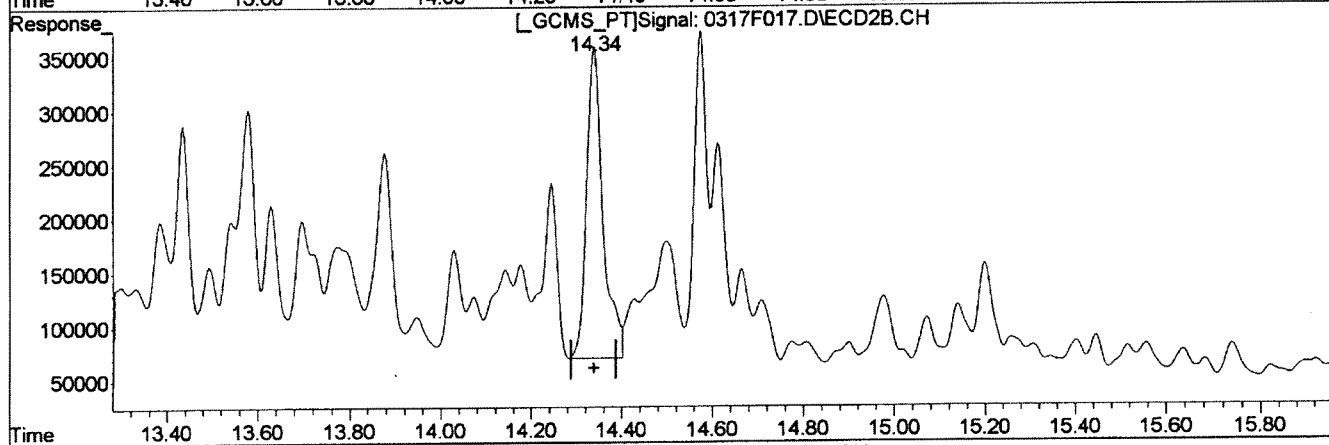
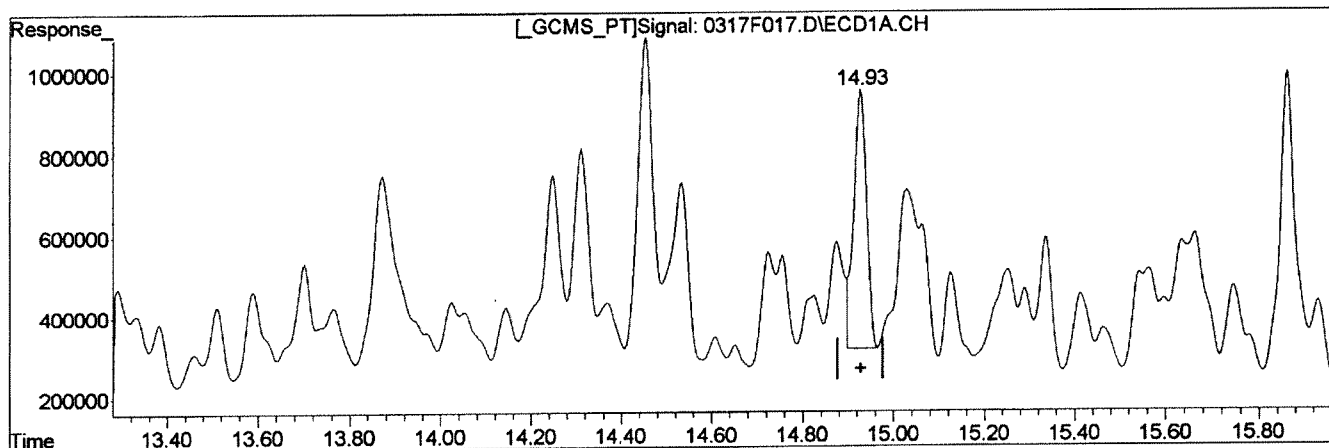
(+) = Expected Retention Time
 0317F017.D GC23-031714-8081.M

Tue Mar 18 16:28:22 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD1A.CH Vial: 85
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD2B.CH
 Acq On : 17 Mar 2014 8:49 pm Operator: SMURRAY
 Sample : TOX @ 5000ppb GCPS7-770 Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:19:23 2014
 Response via : Multiple Level Calibration



Signal: 0317F017.D\ECD1A.CH		Manual Integration:
(34) Toxaphene (5)		After
14.93min	4714.953ug/L	Baseline/Shoulder
response	1229969	03/18/14
(34) Toxaphene (5) #2		
14.34min	8889.710ug/L	
response	726198	

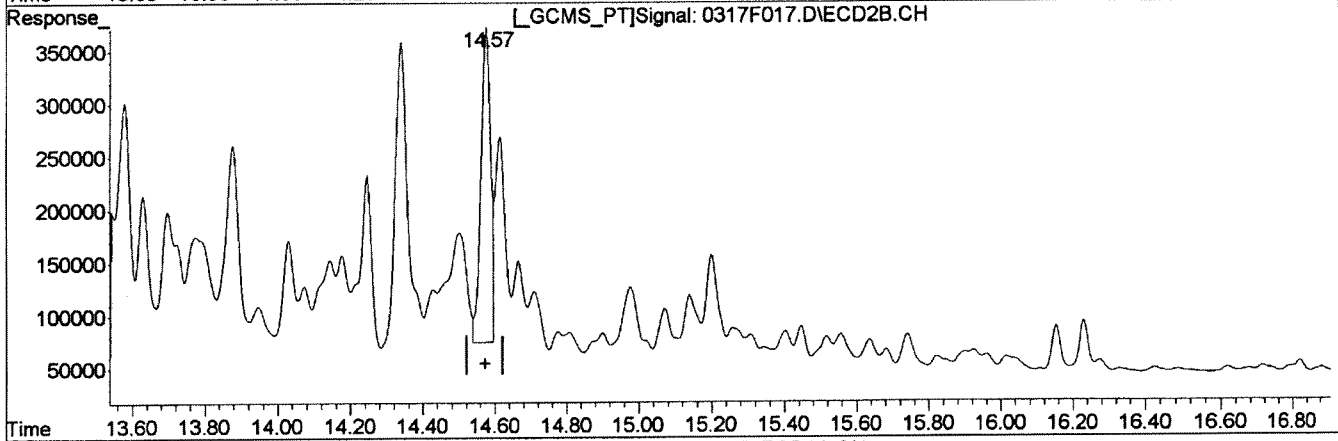
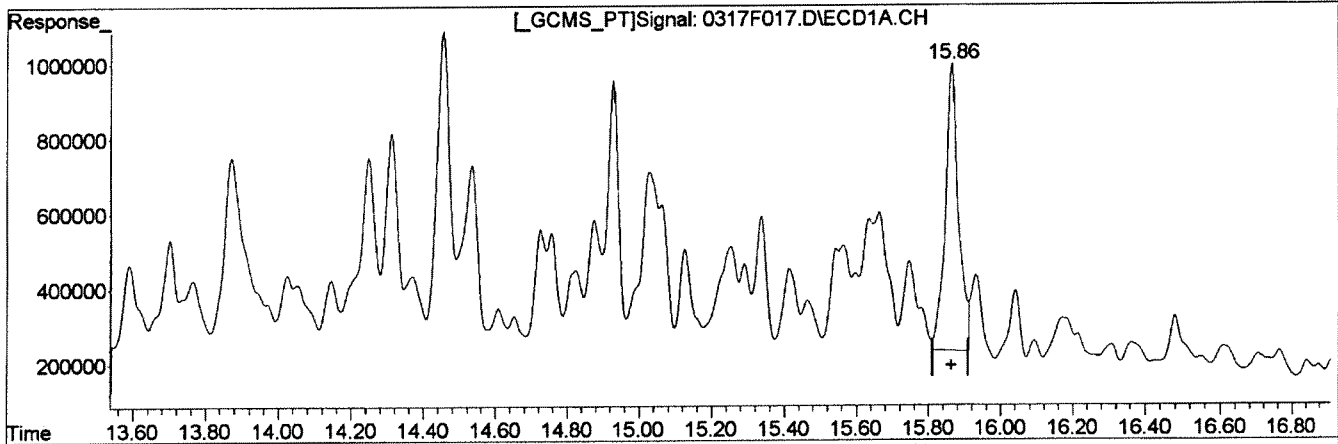
(+) = Expected Retention Time
 0317F017.D GC23-031714-8081.M

Tue Mar 18 16:28:31 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD1A.CH Vial: 85
Signal #2 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD2B.CH
Acq On : 17 Mar 2014 8:49 pm Operator: SMURRAY
Sample : TOX @ 5000ppb GCPS7-770 Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F017.D\ECD1A.CH

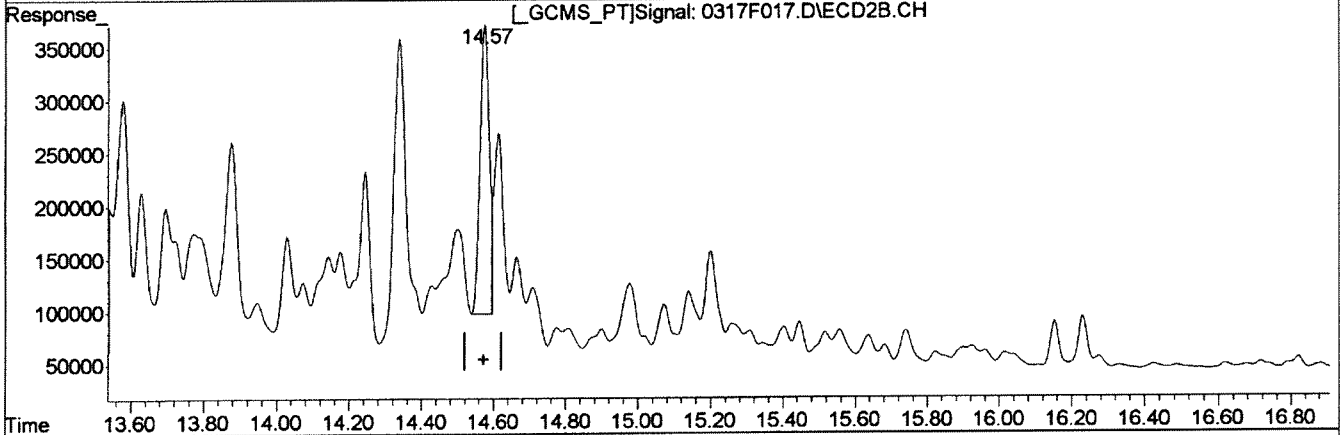
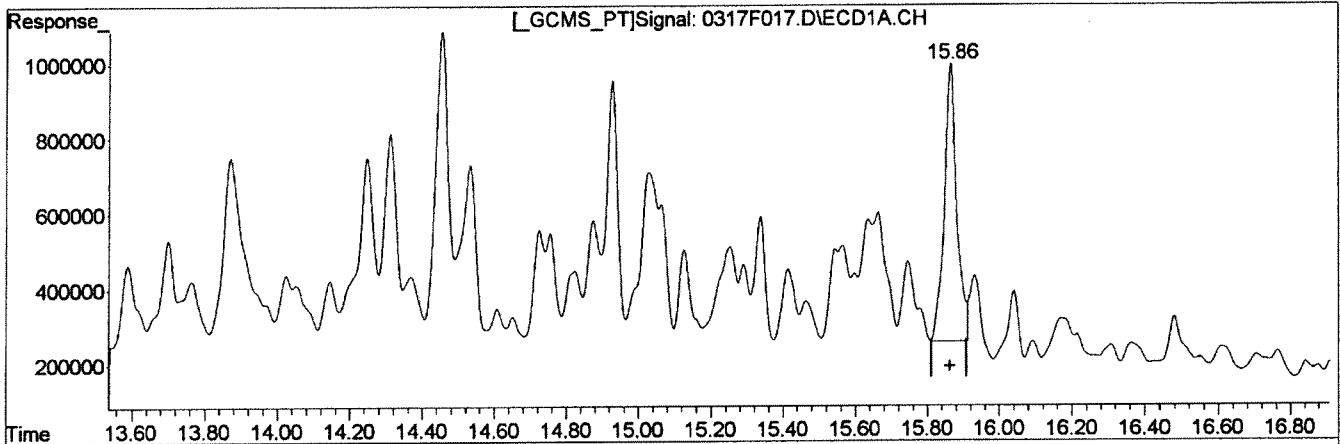
Retention Time (min)	Concentration (ug/L)	Response	Integration Status
15.86	4492.043	1961990	Manual Integration: Before
14.57	4635.706	563326	03/18/14

(+) = Expected Retention Time
0317F017.D GC23-031714-8081.M Tue Mar 18 16:28:33 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD1A.CH Vial: 85
Signal #2 : J:\GC23\DATA\031714ICAL\0317F017.D\ECD2B.CH
Acq On : 17 Mar 2014 8:49 pm Operator: SMURRAY
Sample : TOX @ 5000ppb GCPS7-770 Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:19 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:19:23 2014
Response via : Multiple Level Calibration



Signal: 0317F017.D\ECD1A.CH

(35) Toxaphene (6)	Manual Integration:
15.86min 4123.545ug/L m	After
response 1801041	Baseline/Shoulder
	03/18/14
(35) Toxaphene (6) #2	
14.57min 3993.921ug/L m	
response 485337	

(+) = Expected Retention Time
0317F017.D GC23-031714-8081.M

Tue Mar 18 16:28:43 2014

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD1A.CH Vial: 86
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD2B.CH
 Acq On : 17 Mar 2014 9:18 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-79L Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:30:05 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:29:39 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

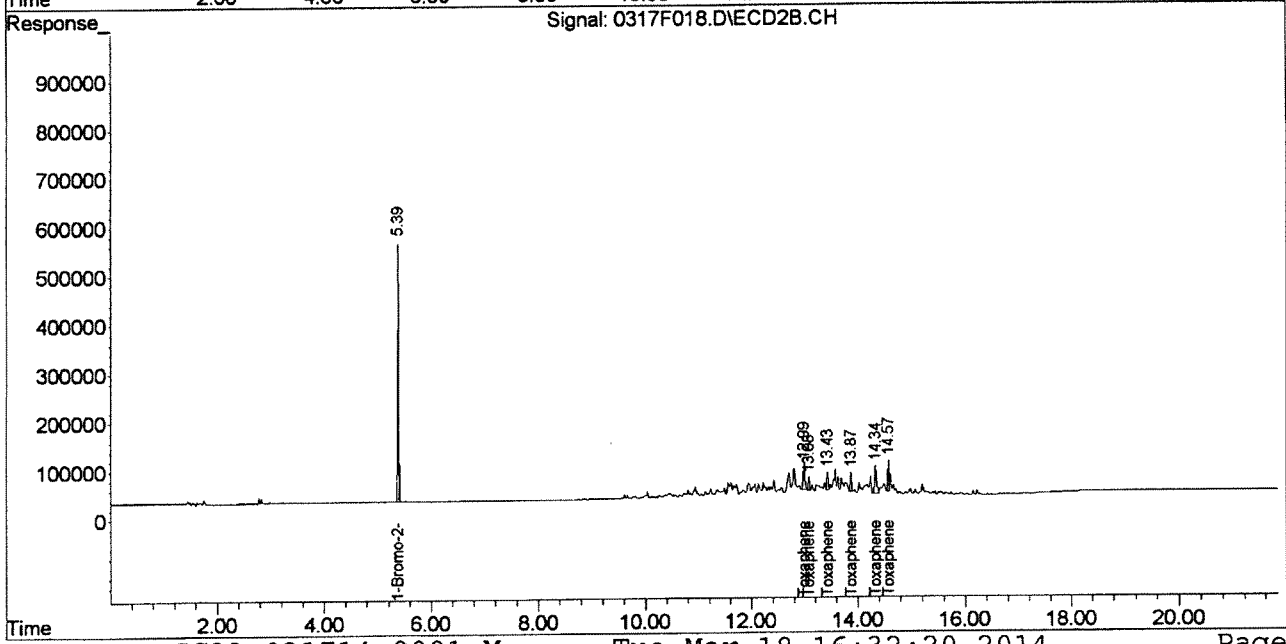
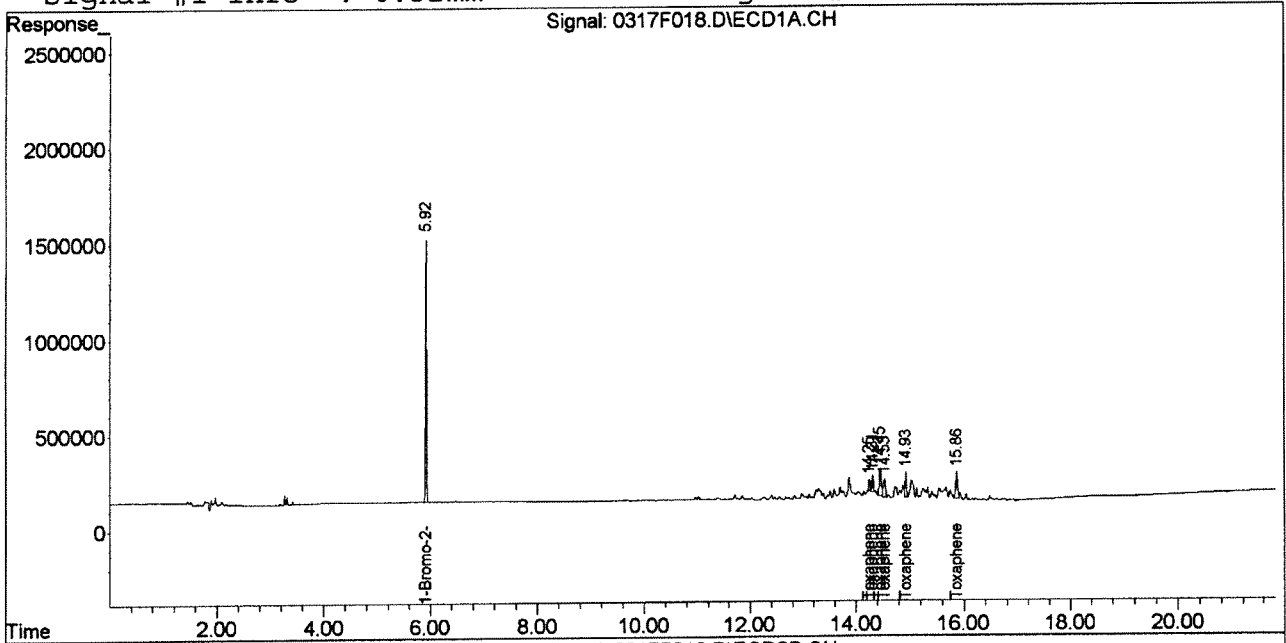
Internal Standards						
29) 1-Bromo-2-nitrob	5.92	5.39	1701379	634011	100.000	100.000
System Monitoring Compounds						
Target Compounds						
30) Toxaphene	14.25	12.99	109356	130476	972.818m	1057.756m
31) Toxaphene {2}	14.31	13.08	166365	48987	1003.510m	1007.600m
32) Toxaphene {3}	14.45	13.43	363834	69931	937.082m	1066.225m
33) Toxaphene {4}	14.53	13.87	264106	79523	1068.561m	997.914m
34) Toxaphene {5}	14.93	14.34	259203	150404	1028.310m	1013.268m
35) Toxaphene {6}	15.86	14.57	334051	114544	1001.535m	1059.042m

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD1A.CH Vial: 86
Signal #2 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD2B.CH
Acq On : 17 Mar 2014 9:18 pm Operator: SMURRAY
Sample : TOX @ 1000ppb GCPS7-79L Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:31 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:29:39 2014
Response via : Multiple Level Calibration
DataAcq Meth : PESTNEW.M

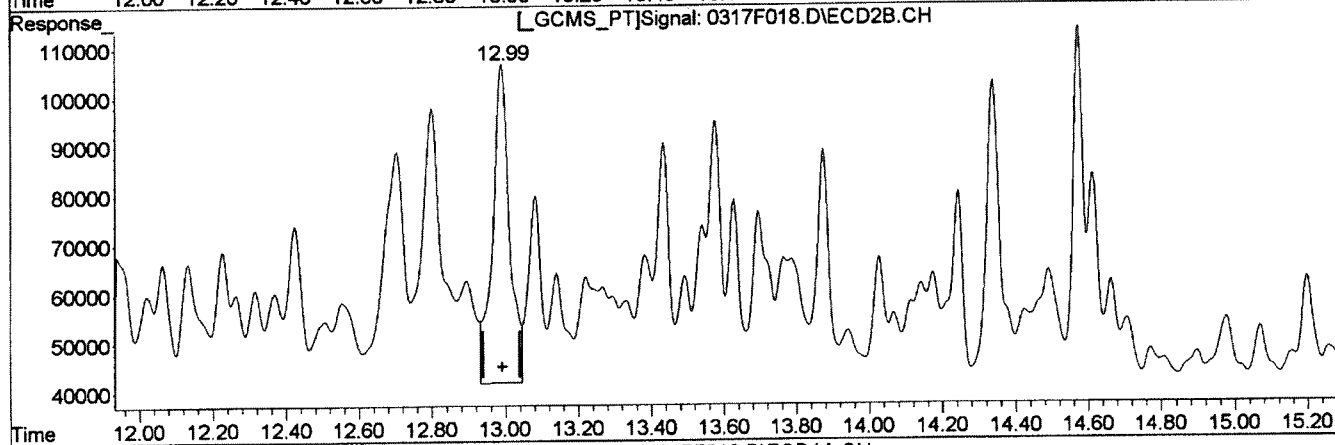
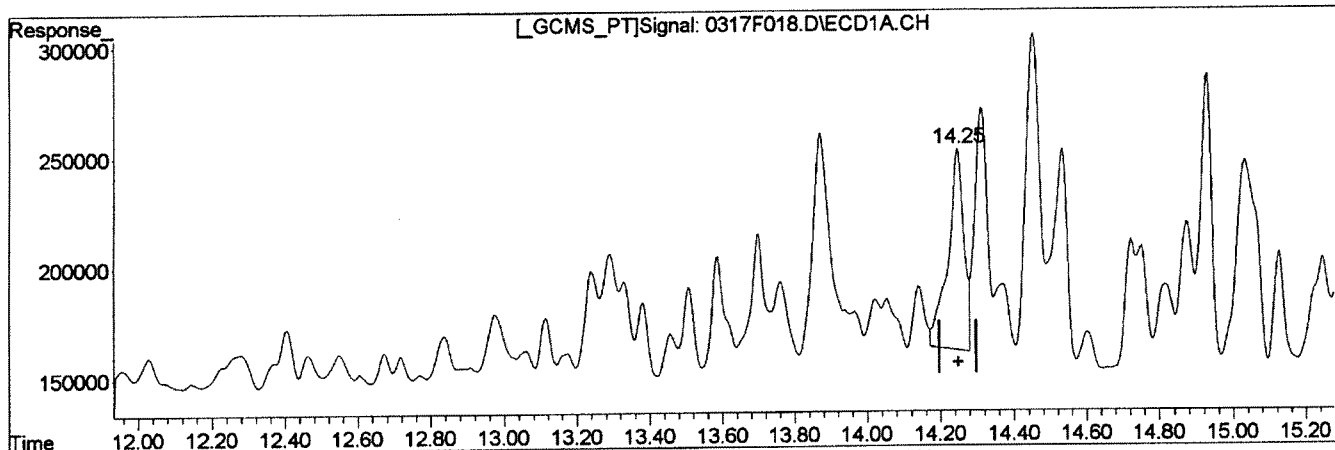
Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm





Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD1A.CH Vial: 86
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD2B.CH
 Acq On : 17 Mar 2014 9:18 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-79L Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:30 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:29:39 2014
 Response via : Multiple Level Calibration



Signal: 0317F018.D\ECD1A.CH		Manual Integration:
(30) Toxaphene		Before
14.25min	2445.139ug/L	
response	274862	03/18/14
(30) Toxaphene #2		
12.99min	1697.504ug/L	
response	209390	

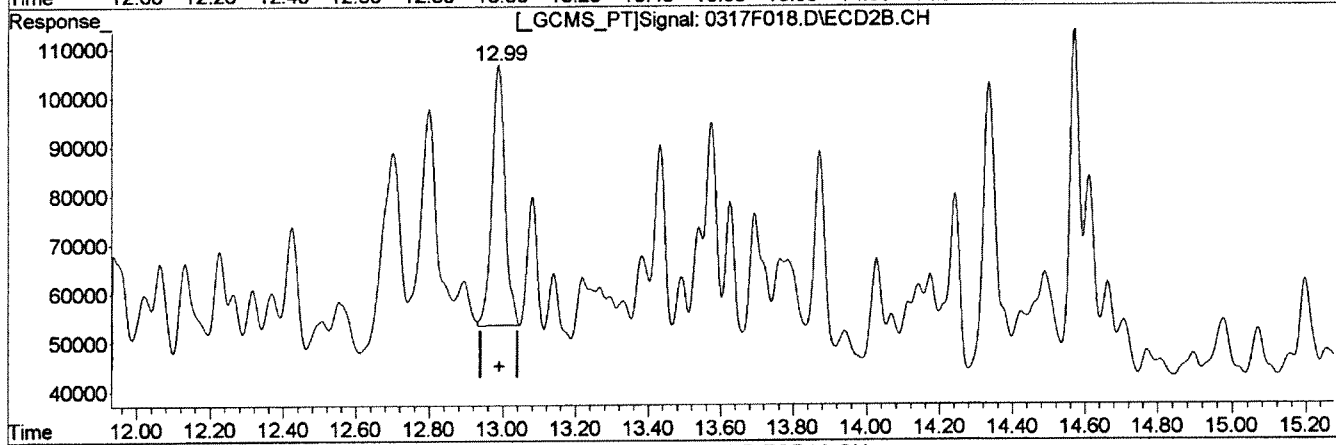
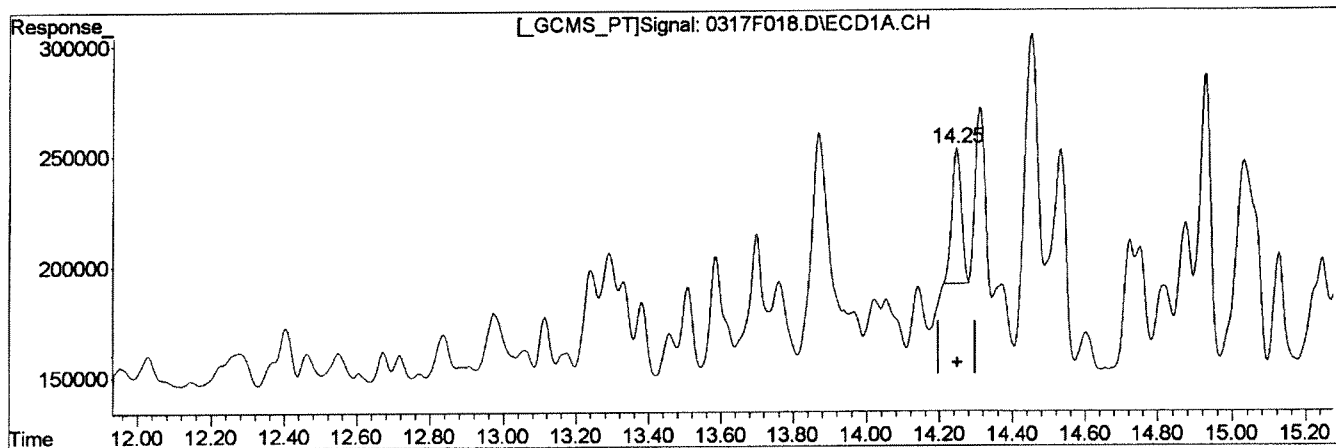
(+) = Expected Retention Time
 0317F018.D GC23-031714-8081.M

Tue Mar 18 16:30:23 2014



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD1A.CH Vial: 86
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD2B.CH
 Acq On : 17 Mar 2014 9:18 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-79L Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:30 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:29:39 2014
 Response via : Multiple Level Calibration



Signal: 0317F018.D\ECD1A.CH

(30) Toxaphene	Manual Integration:
14.25min 972.818ug/L m	After
response 109356	Baseline/Shoulder
	03/18/14
(30) Toxaphene #2	
12.99min 1057.756ug/L m	
response 130476	

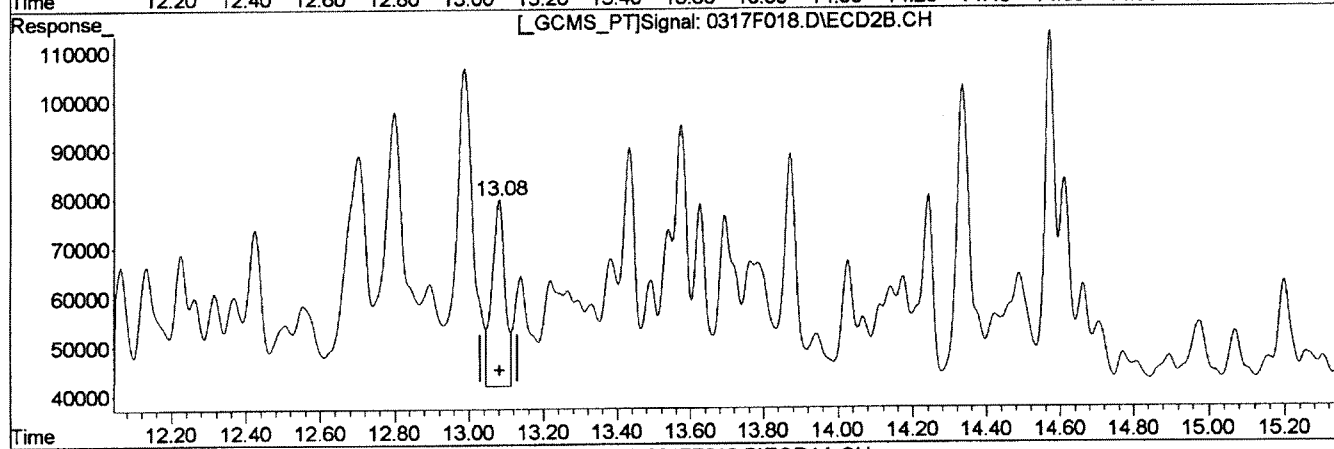
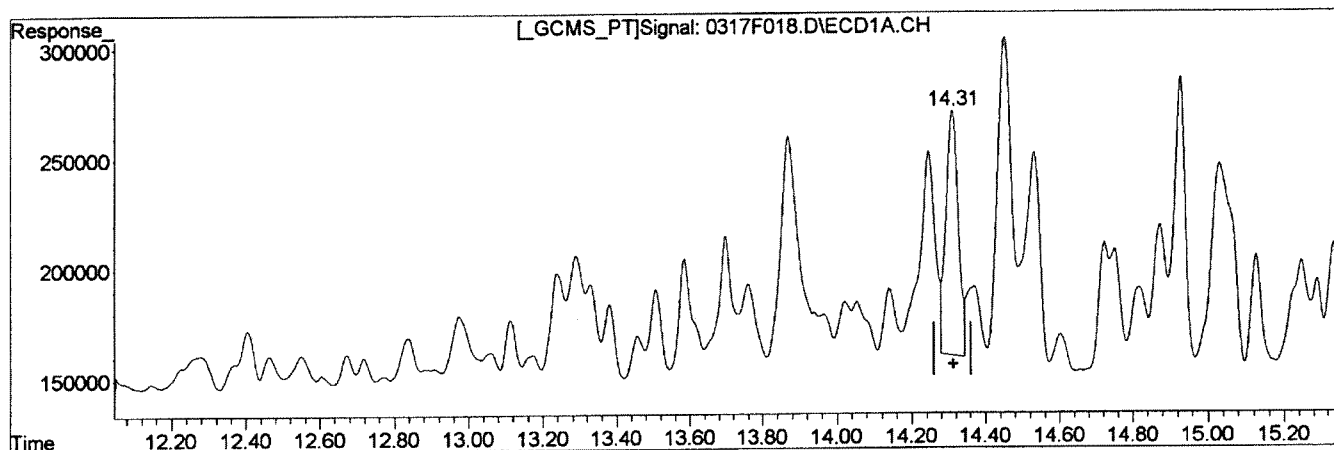
(+) = Expected Retention Time
 0317F018.D GC23-031714-8081.M

Tue Mar 18 16:30:47 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD1A.CH Vial: 86
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD2B.CH
 Acq On : 17 Mar 2014 9:18 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-79L Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:30 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:29:39 2014
 Response via : Multiple Level Calibration



Signal: 0317F018.D\ECD1A.CH		Manual Integration:
(31) Toxaphene {2}		Before
14.31min	1566.368ug/L	
response	259677	03/18/14
(31) Toxaphene {2} #2		
13.08min	1884.609ug/L	
response	91625	

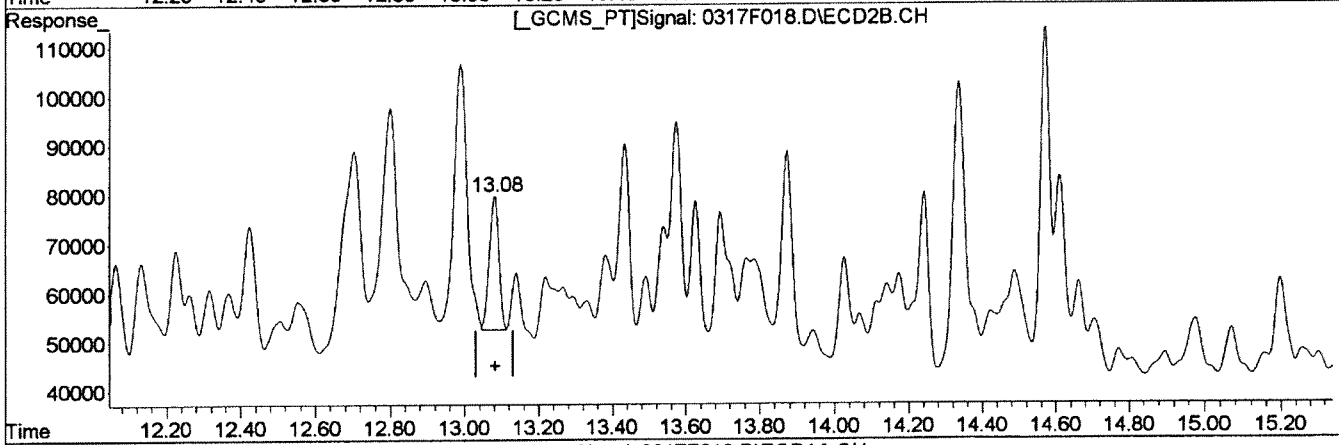
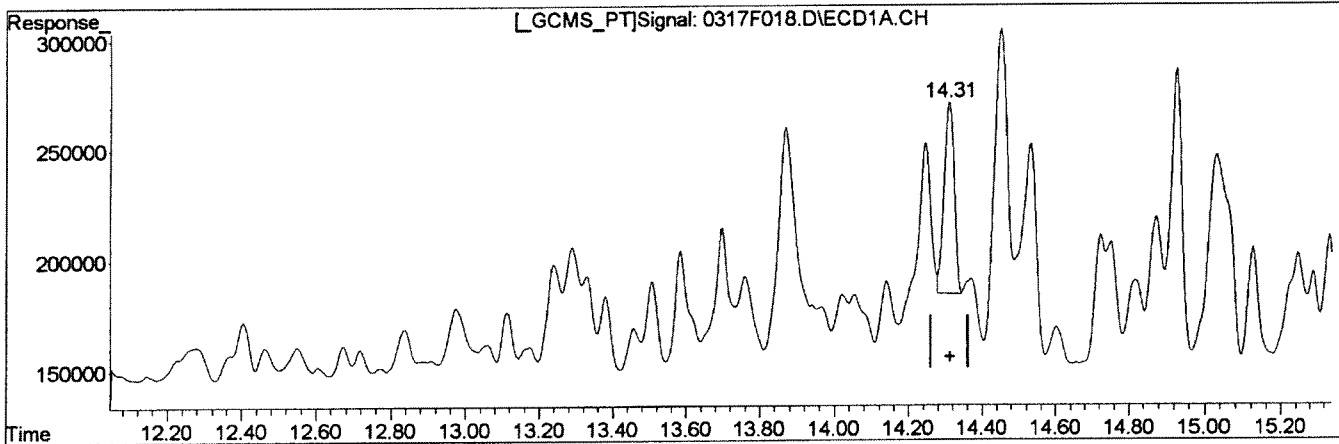
(+) = Expected Retention Time
 0317F018.D GC23-031714-8081.M

Tue Mar 18 16:30:48 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD1A.CH Vial: 86
Signal #2 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD2B.CH
Acq On : 17 Mar 2014 9:18 pm Operator: SMURRAY
Sample : TOX @ 1000ppb GCPS7-79L Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:30 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:29:39 2014
Response via : Multiple Level Calibration



Signal: 0317F018.D\ECD1A.CH

(31) Toxaphene {2}	14.31min 1003.510ug/L m	response 166365	Manual Integration:
(31) Toxaphene {2} #2	13.08min 1007.600ug/L m	response 48987	After
			Baseline/Shoulder
			03/18/14

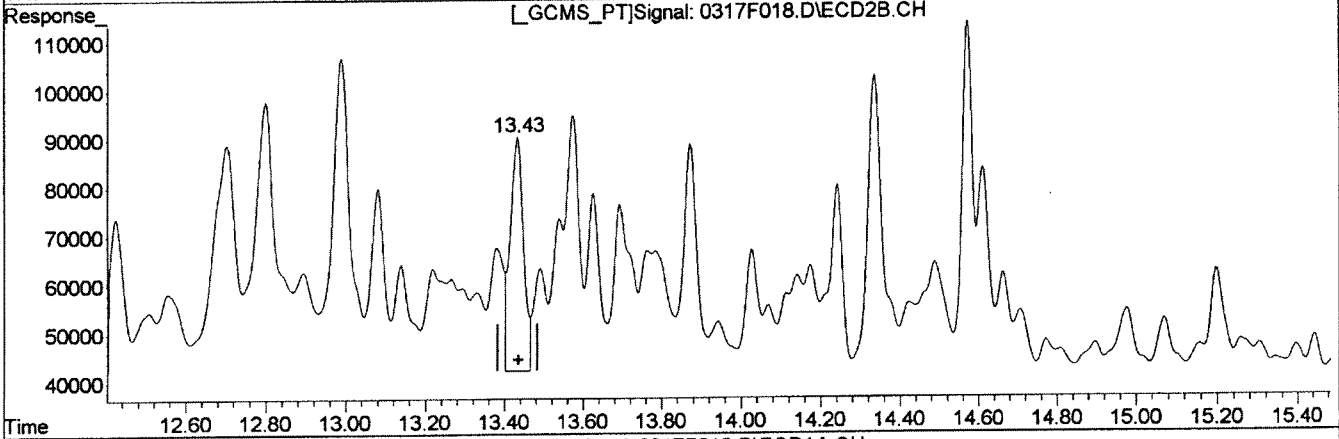
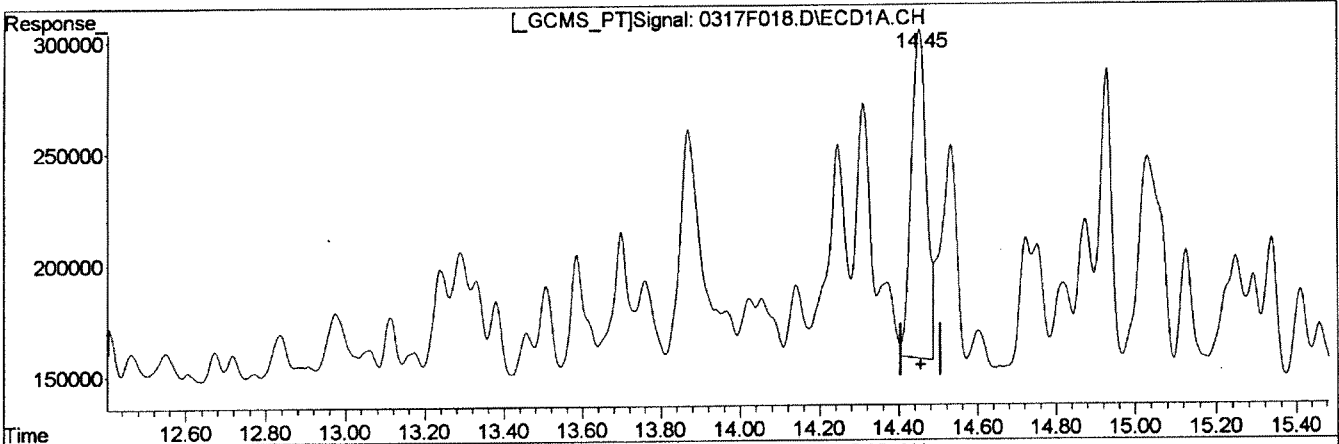
[Handwritten signature]

(+) = Expected Retention Time
0317F018.D GC23-031714-8081.M Tue Mar 18 16:30:59 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD1A.CH Vial: 86
Signal #2 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD2B.CH
Acq On : 17 Mar 2014 9:18 pm Operator: SMURRAY
Sample : TOX @ 1000ppb GCPS7-79L Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:30 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:29:39 2014
Response via : Multiple Level Calibration



Signal: 0317F018.D\ECD1A.CH

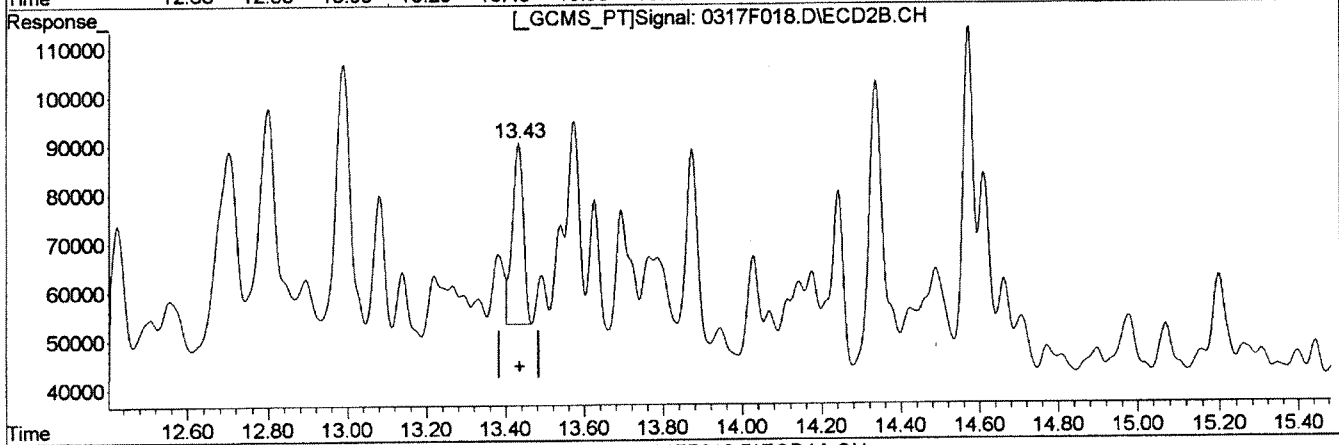
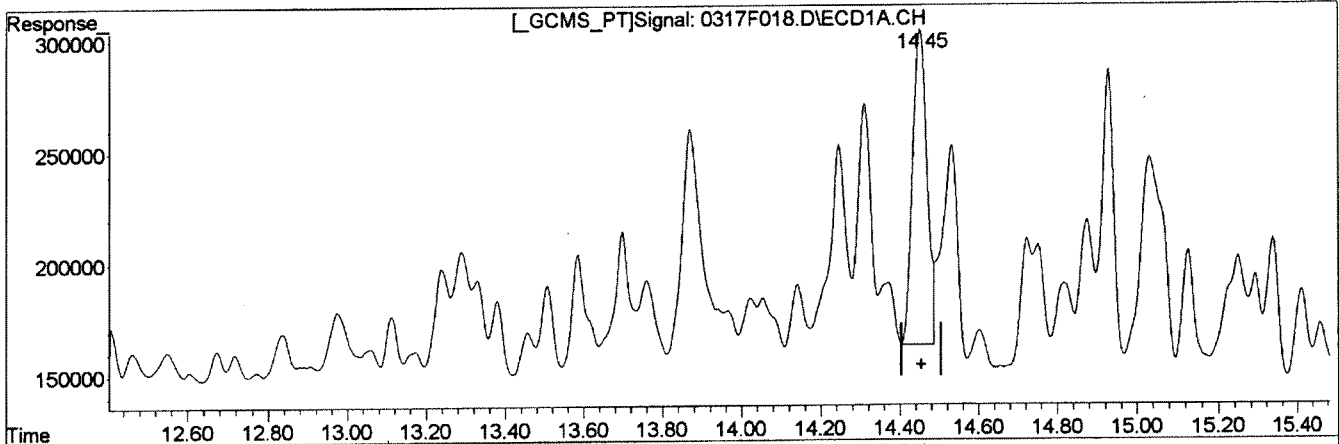
Retention Time	Concentration	Response	Integration Status	Date
(32) Toxaphene (3)			Manual Integration:	
14.45min	1014.628ug/L	393942	Before	
(32) Toxaphene (3) #2				03/18/14
13.43min	1702.123ug/L	111638		

(+) = Expected Retention Time
0317F018.D GC23-031714-8081.M Tue Mar 18 16:31:00 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD1A.CH Vial: 86
Signal #2 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD2B.CH
Acq On : 17 Mar 2014 9:18 pm Operator: SMURRAY
Sample : TOX @ 1000ppb GCPS7-79L Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:30 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:29:39 2014
Response via : Multiple Level Calibration



Signal: 0317F018.D\ECD1A.CH

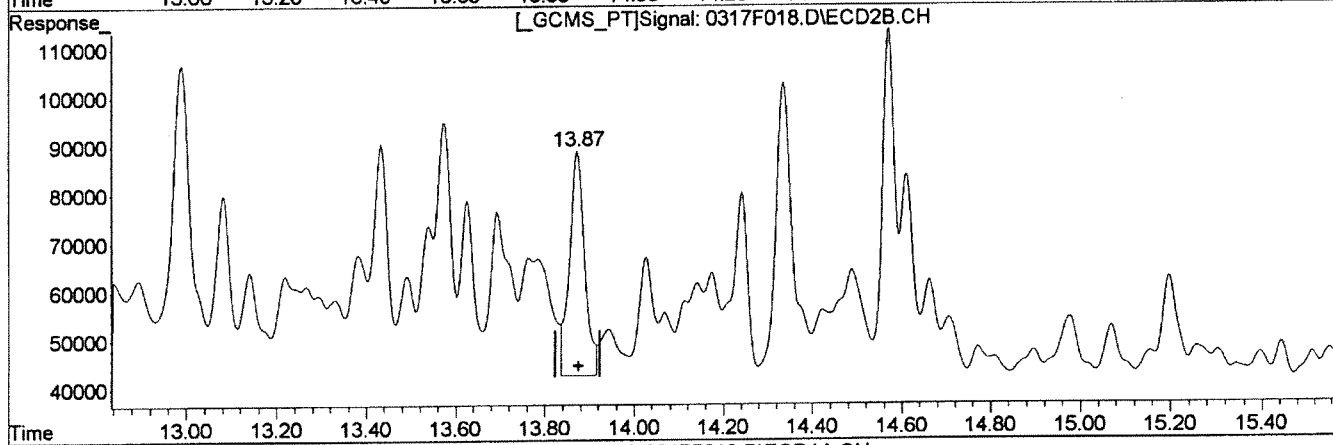
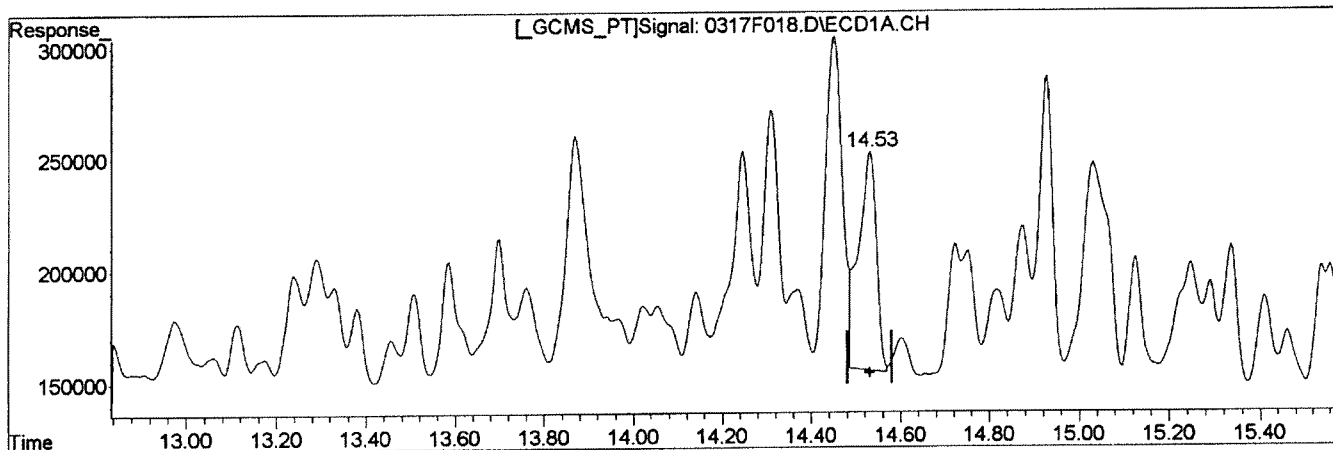
(32) Toxaphene {3}	Manual Integration:
14.45min 937.082ug/L m	After
response 363834	Baseline/Shoulder
	03/18/14
(32) Toxaphene {3} #2	
13.43min 1066.225ug/L m	
response 69931	

(+) = Expected Retention Time
0317F018.D GC23-031714-8081.M Tue Mar 18 16:31:09 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD1A.CH Vial: 86
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD2B.CH
 Acq On : 17 Mar 2014 9:18 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-79L Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:30 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:29:39 2014
 Response via : Multiple Level Calibration



Signal: 0317F018.D\ECD1A.CH

(33) Toxaphene {4}	Manual Integration:
14.53min 1094.892ug/L	Before
response 270614	03/18/14
(33) Toxaphene {4} #2	
13.87min 1368.466ug/L	
response 109052	

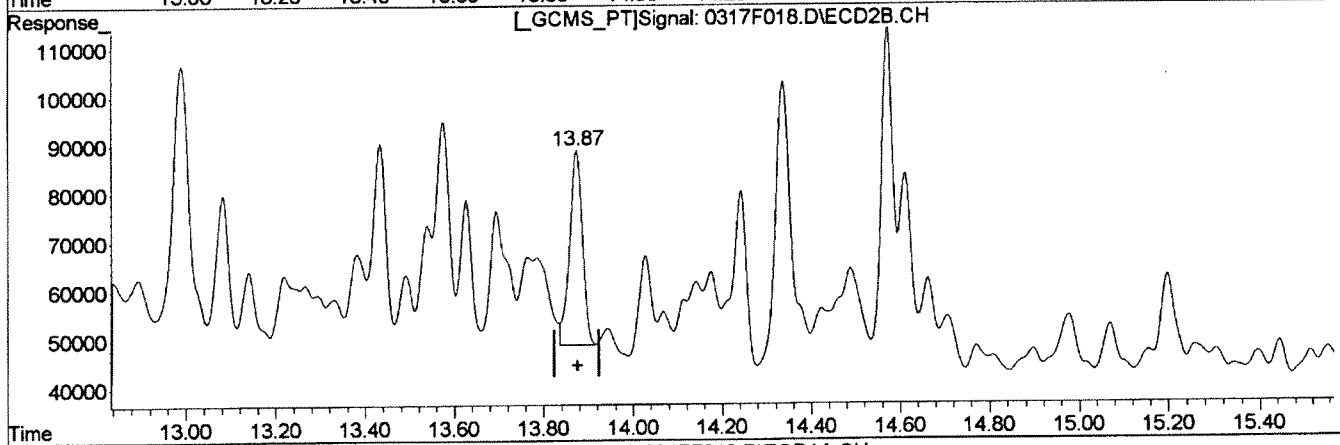
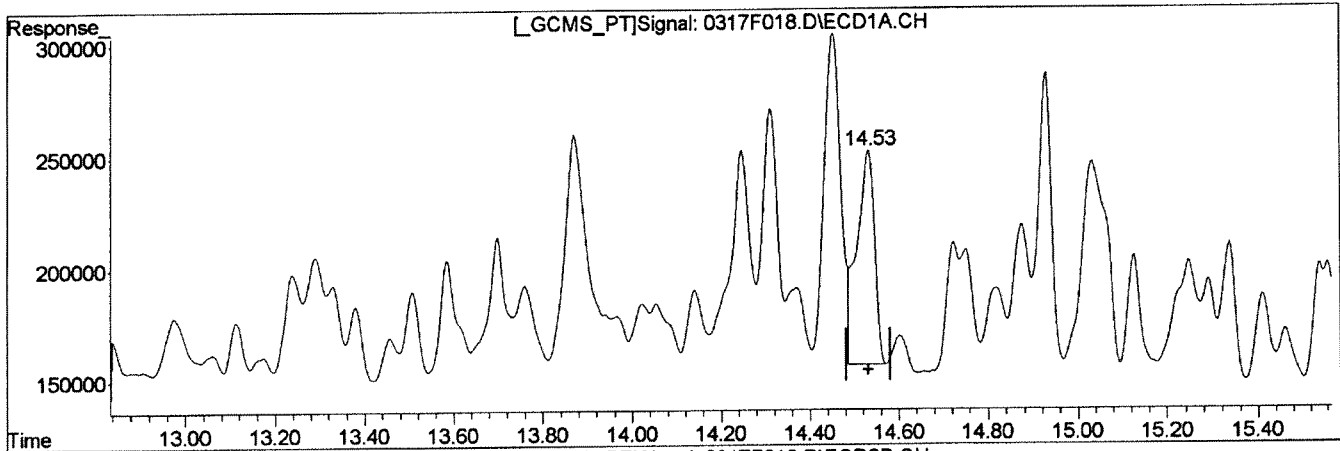
(+) = Expected Retention Time
 0317F018.D GC23-031714-8081.M

Tue Mar 18 16:31:10 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD1A.CH Vial: 86
Signal #2 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD2B.CH
Acq On : 17 Mar 2014 9:18 pm Operator: SMURRAY
Sample : TOX @ 1000ppb GCPS7-79L Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:30 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:29:39 2014
Response via : Multiple Level Calibration



Signal: 0317F018.D\ECD1A.CH	
(33) Toxaphene {4}	Manual Integration:
14.53min 1068.561ug/L m	After
response 264106	Baseline/Shoulder
	03/18/14
(33) Toxaphene {4} #2	
13.87min 997.914ug/L m	
response 79523	

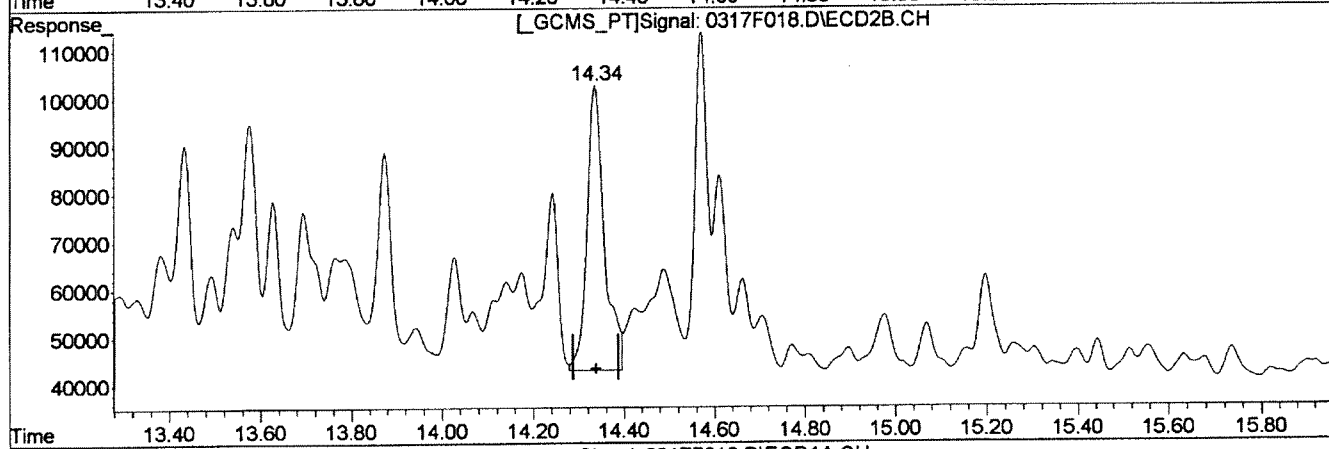
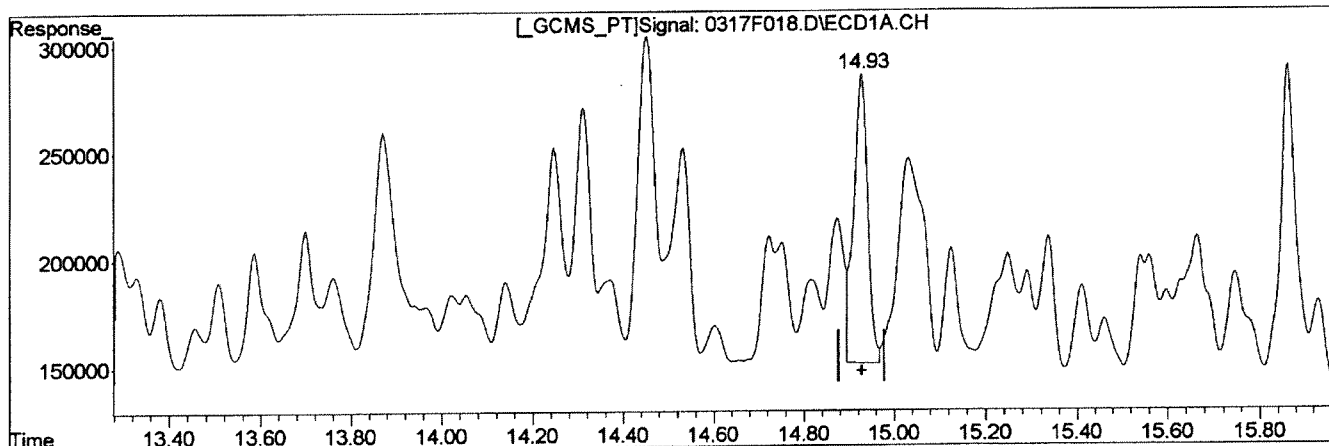
(+) = Expected Retention Time
0317F018.D GC23-031714-8081.M

Tue Mar 18 16:31:19 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD1A.CH Vial: 86
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD2B.CH
 Acq On : 17 Mar 2014 9:18 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-79L Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:30 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:29:39 2014
 Response via : Multiple Level Calibration



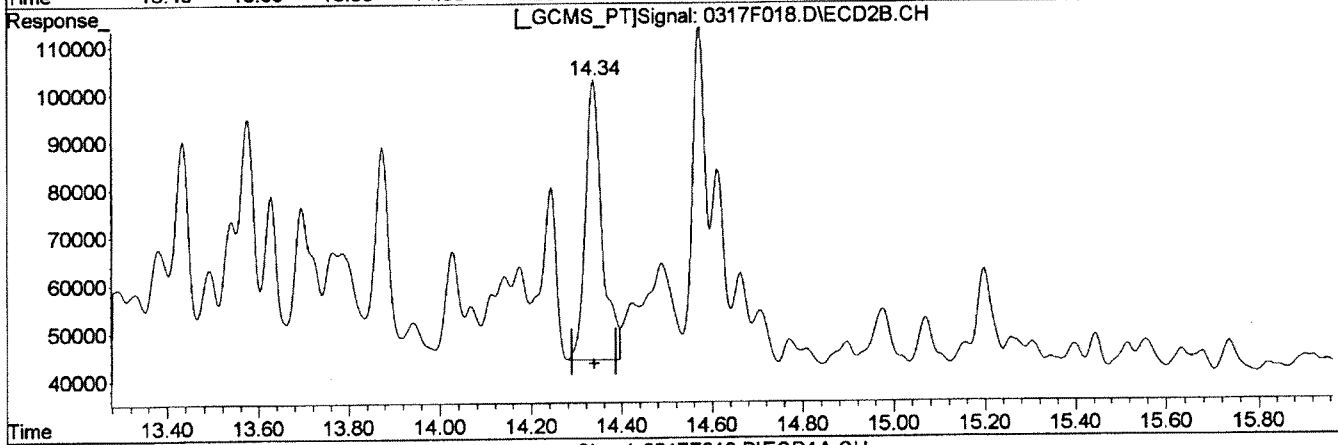
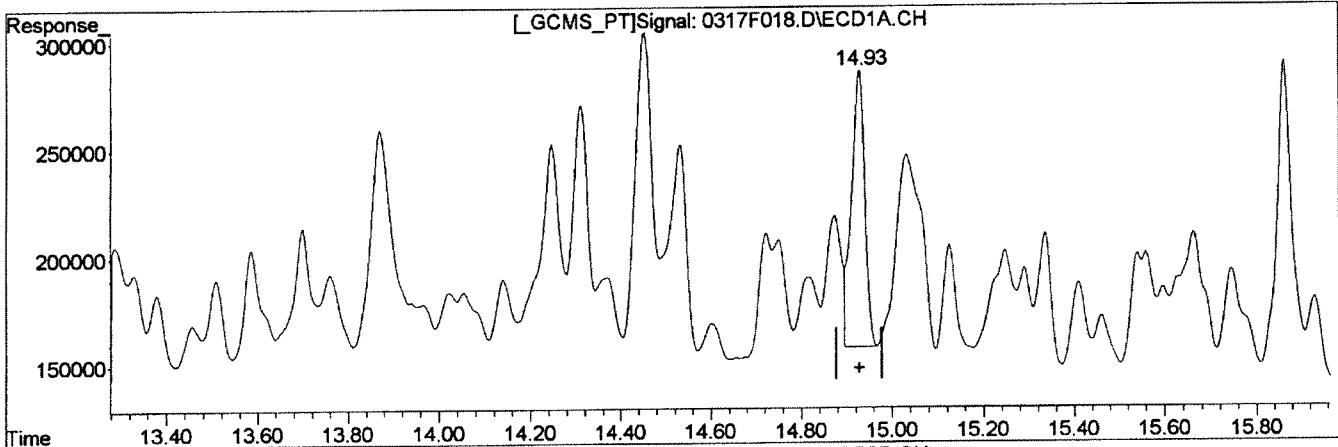
Signal: 0317F018.D\ECD1A.CH		Manual Integration:
(34) Toxaphene {5}		Before
14.93min	1134.746ug/L	
response	286032	03/18/14
(34) Toxaphene {5} #2		
14.34min	1068.801ug/L	
response	158647	

(+) = Expected Retention Time
 0317F018.D GC23-031714-8081.M Tue Mar 18 16:31:20 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD1A.CH Vial: 86
Signal #2 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD2B.CH
Acq On : 17 Mar 2014 9:18 pm Operator: SMURRAY
Sample : TOX @ 1000ppb GCPS7-79L Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:30 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:29:39 2014
Response via : Multiple Level Calibration



Signal: 0317F018.D\ECD1A.CH	
(34) Toxaphene (5)	Manual Integration:
14.93min 1028.310ug/L m	After
response 259203	Baseline/Shoulder
	03/18/14
(34) Toxaphene (5) #2	
14.34min 1013.268ug/L m	
response 150404	

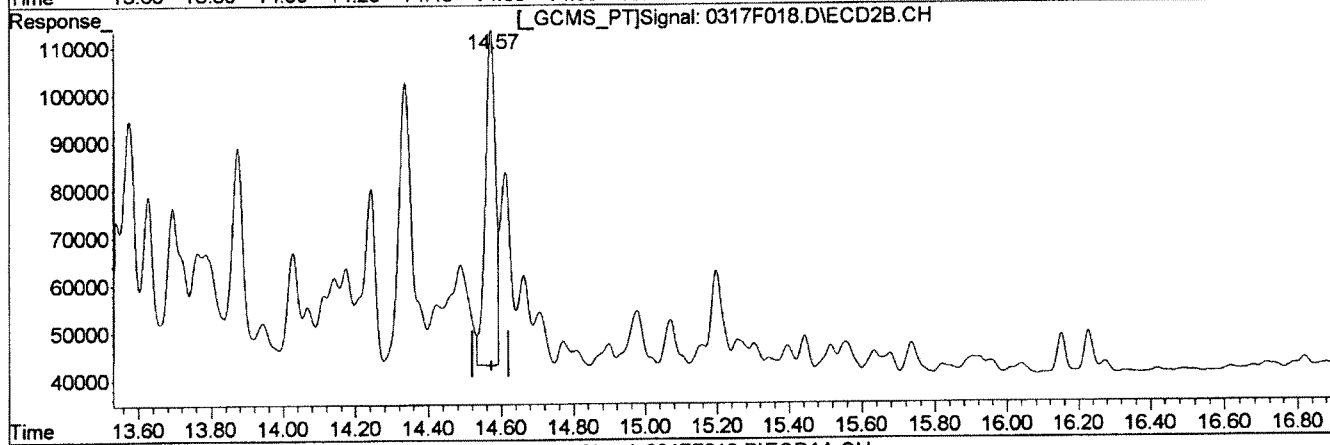
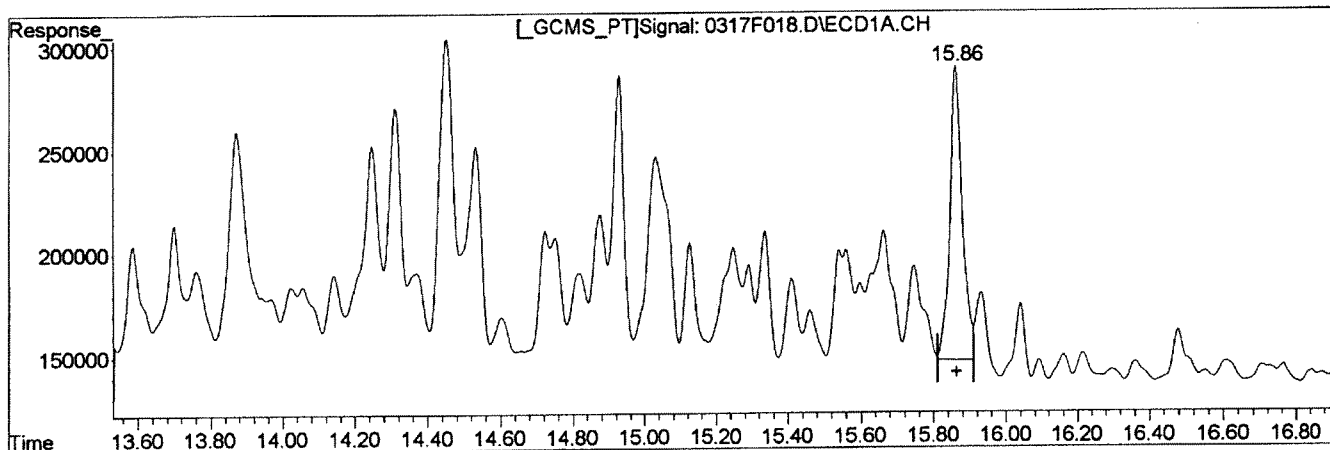
(+) = Expected Retention Time
0317F018.D GC23-031714-8081.M



Tue Mar 18 16:31:35 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD1A.CH Vial: 86
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD2B.CH
 Acq On : 17 Mar 2014 9:18 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-79L Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:30 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:29:39 2014
 Response via : Multiple Level Calibration



Signal: 0317F018.D\ECD1A.CH		Manual Integration:
(35) Toxaphene (6)		Before
15.86min 1029.408ug/L		
response 343348		03/18/14 
(35) Toxaphene (6) #2		
14.57min 1262.947ug/L		
response 136598		

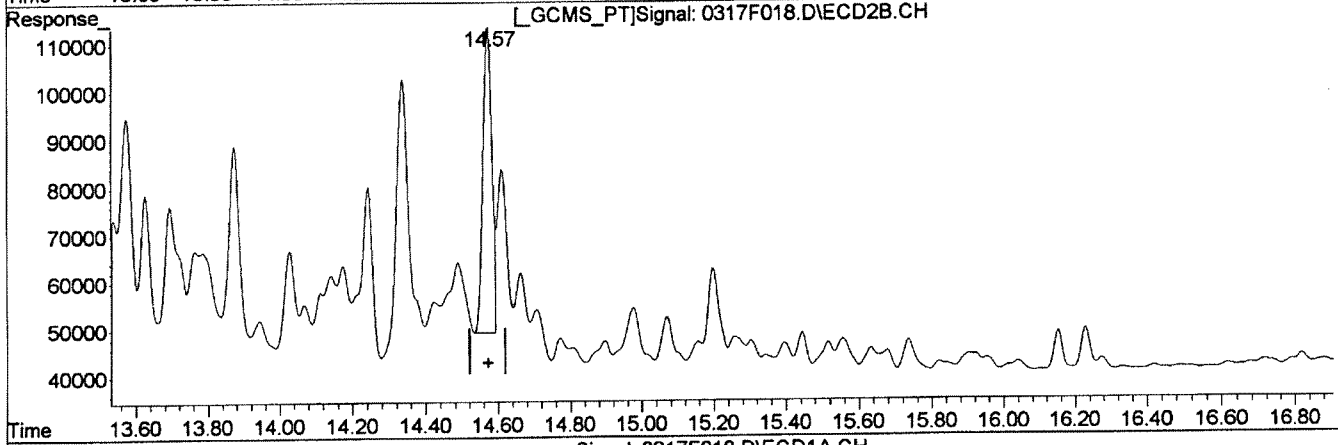
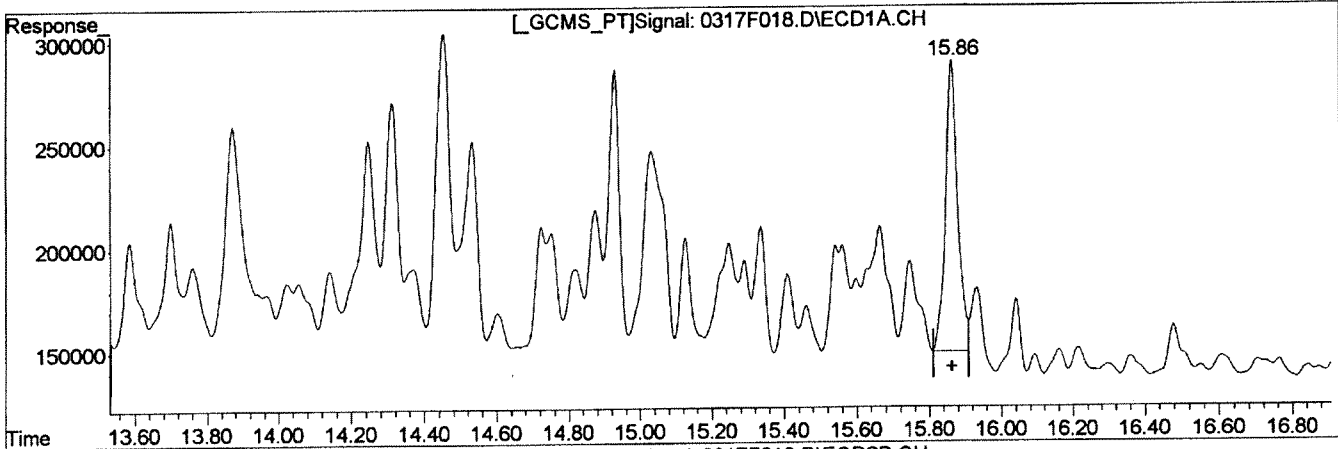
(+) = Expected Retention Time
 0317F018.D GC23-031714-8081.M

Tue Mar 18 16:31:36 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD1A.CH Vial: 86
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F018.D\ECD2B.CH
 Acq On : 17 Mar 2014 9:18 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-79L Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:30 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:29:39 2014
 Response via : Multiple Level Calibration



Signal: 0317F018.D\ECD1A.CH		Manual Integration:
(35) Toxaphene (6)		After
15.86min 1001.535ug/L m		Baseline/Shoulder
response 334051		03/18/14
(35) Toxaphene (6) #2		
14.57min 1059.042ug/L m		
response 114544		

(+) = Expected Retention Time
 0317F018.D GC23-031714-8081.M

Tue Mar 18 16:31:46 2014

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F020.D\ECD1A.CH Vial: 88
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F020.D\ECD2B.CH
 Acq On : 17 Mar 2014 10:15 pm Operator: SMURRAY
 Sample : CHLOR @ ~~50ppb~~ GCPS7-78B *25ppb* Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:16:53 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:16:32 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

 Compound RT#1 RT#2 Resp#1 Resp#2 ug/L ug/L

Internal Standards
 36) 1-Bromo-2-nitrob 5.92 5.39 1647186 610012 100.000 100.000

System Monitoring Compounds

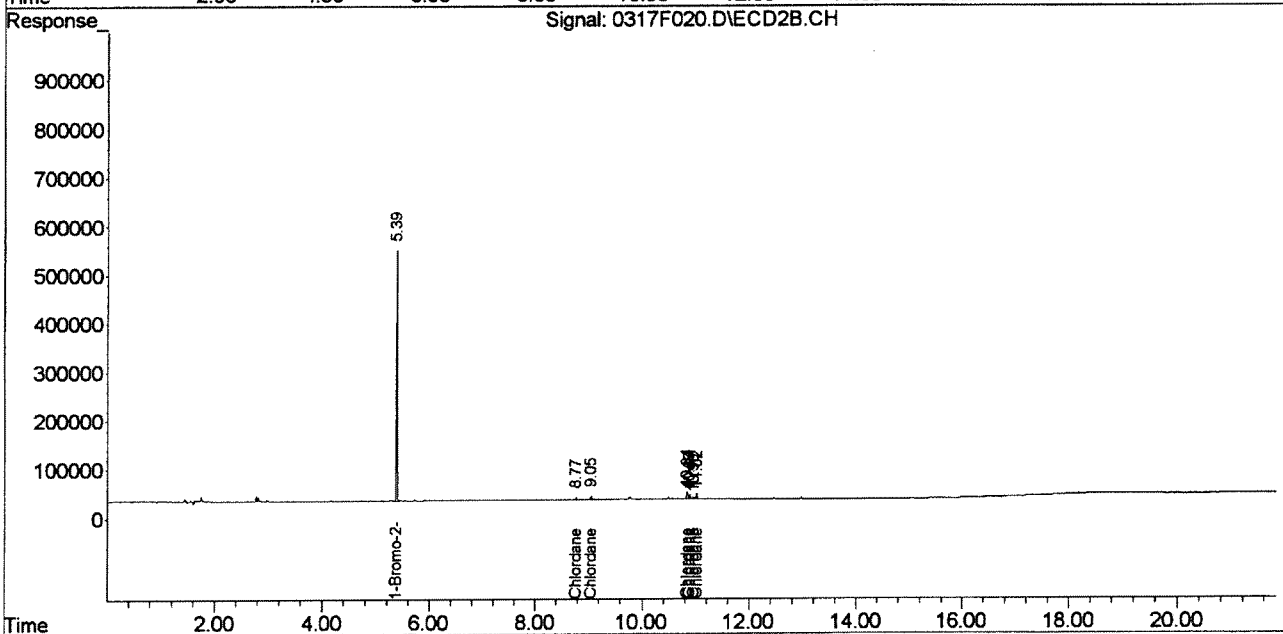
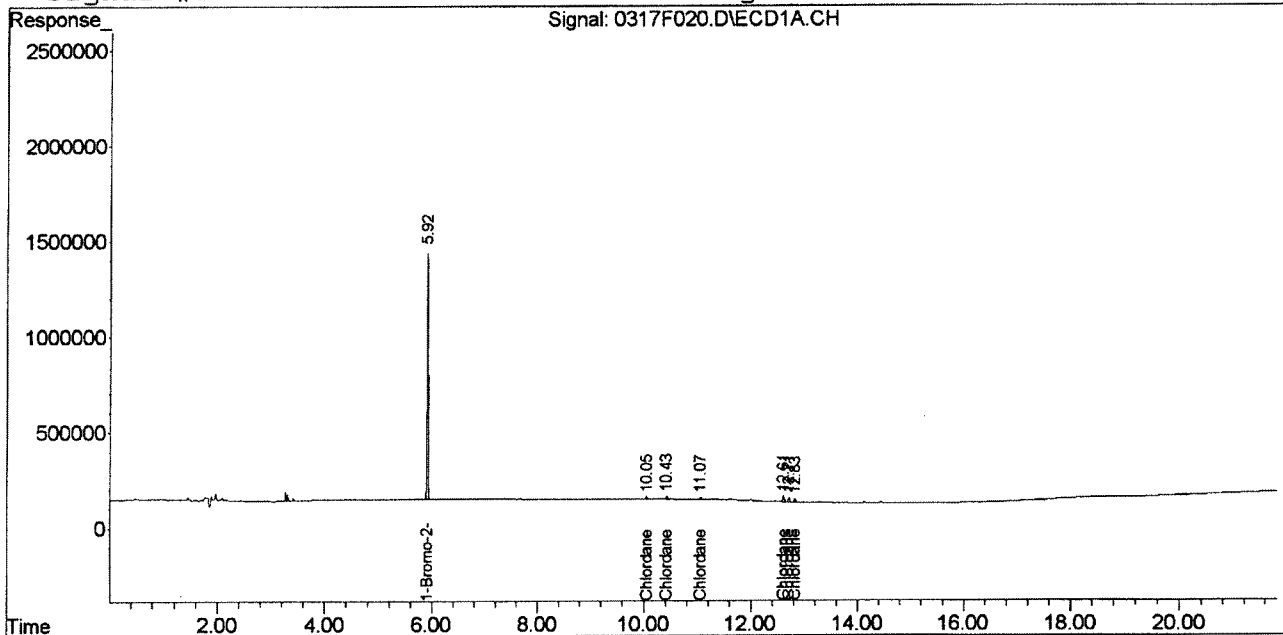
Target Compounds
 37) Chlordane 10.05 8.77 21993 7107 32.688 26.615
 38) Chlordane {2} 10.43 9.05 32210 10979 26.988 15.531 #
 39) Chlordane {3} 11.07 10.84 23321 23929 34.696 24.771 #
 40) Chlordane {4} 12.61 10.89 71918 15105 21.245 26.120
 41) Chlordane {5} 12.71 10.96 56589 8068 21.222 25.024
 42) Chlordane {6} 12.83 11.02 42286 20344 20.353 25.971 #

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F020.D\ECD1A.CH Vial: 88
Signal #2 : J:\GC23\DATA\031714ICAL\0317F020.D\ECD2B.CH
Acq On : 17 Mar 2014 10:15 pm Operator: SMURRAY
Sample : CHLOR @ 50ppb GCPS7-78B Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:34 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:16:32 2014
Response via : Multiple Level Calibration
DataAcq Meth : PESTNEW.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F021.D\ECD1A.CH Vial: 89
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F021.D\ECD2B.CH
 Acq On : 17 Mar 2014 10:44 pm *Supp ES* Operator: SMURRAY
 Sample : CHLOR @ ~~100ppb~~ GCPS7-78C Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:16:55 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:16:32 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

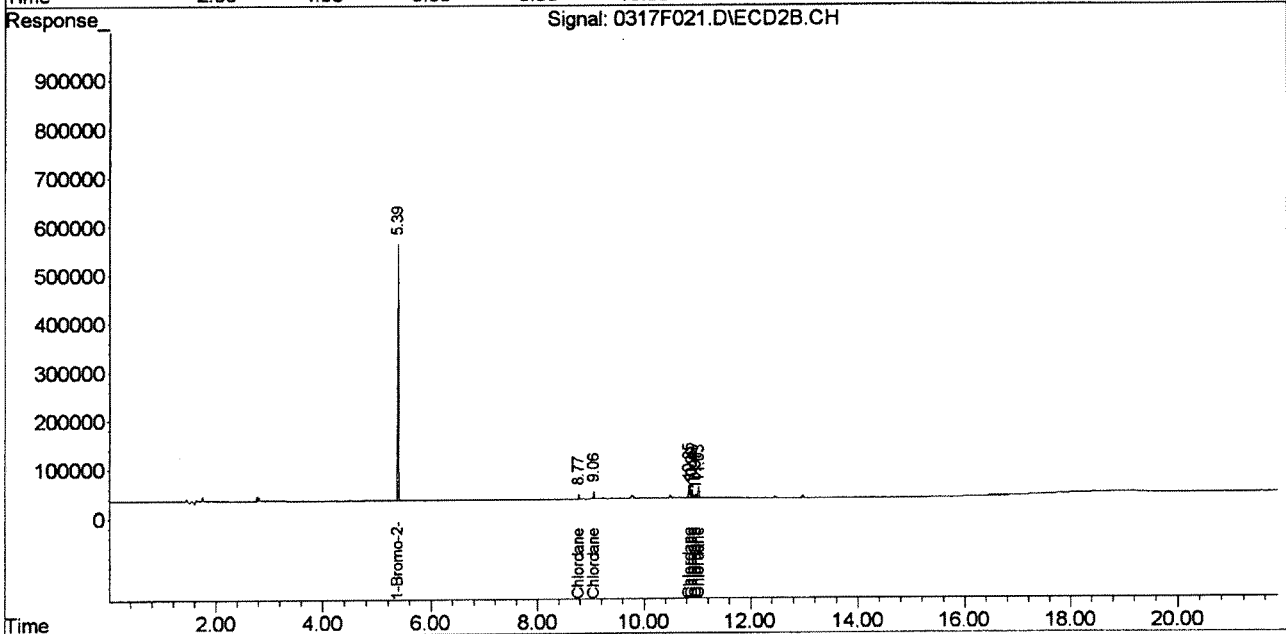
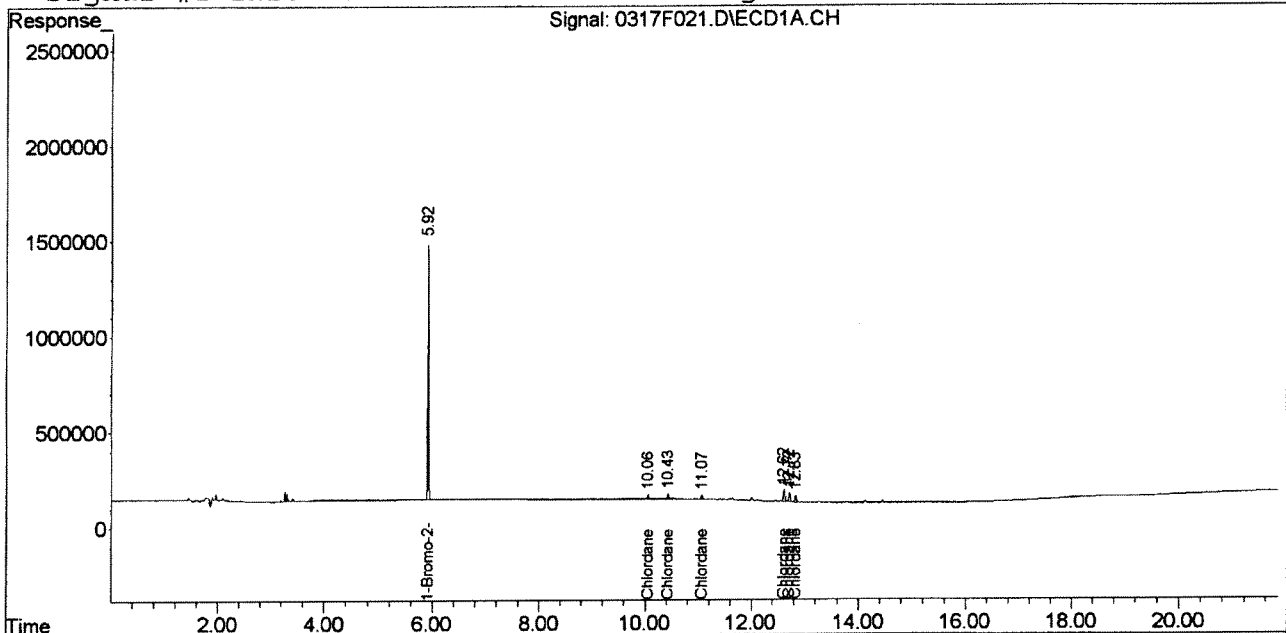
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Internal Standards						
36) 1-Bromo-2-nitrob	5.92	5.39	1692246	627171	100.000	100.000
System Monitoring Compounds						
Target Compounds						
37) Chlordane	10.06	8.77	41055	13761	59.395	50.124
38) Chlordane {2}	10.43	9.06	58896	20937	48.034	38.170
39) Chlordane {3}	11.07	10.85	44222	46478	64.188	46.797 #
40) Chlordane {4}	12.62	10.90	137080	29187	48.093	49.090
41) Chlordane {5}	12.72	10.97	103977	15817	48.252	47.717
42) Chlordane {6}	12.83	11.03	78470	39006	47.421	48.432

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F021.D\ECD1A.CH Vial: 89
Signal #2 : J:\GC23\DATA\031714ICAL\0317F021.D\ECD2B.CH
Acq On : 17 Mar 2014 10:44 pm Operator: SMURRAY
Sample : CHLOR @ 100ppb GCPS7-78C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:34 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:16:32 2014
Response via : Multiple Level Calibration
DataAcq Meth : PESTNEW.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0319FX05.D\ECD1A.CH Vial: 98
 Signal #2 : J:\GC23\DATA\031714ICAL\0319FX05.D\ECD2B.CH
 Acq On : 19 Mar 2014 4:15 pm Operator: SMURRAY
 Sample : CHLOR @100PPB GCPS7-78C Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 17:19:18 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 17:18:14 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

Internal Standards						
36) 1-Bromo-2-nitrob	6.16	5.54	1907352	693444	100.000	100.000

System Monitoring Compounds

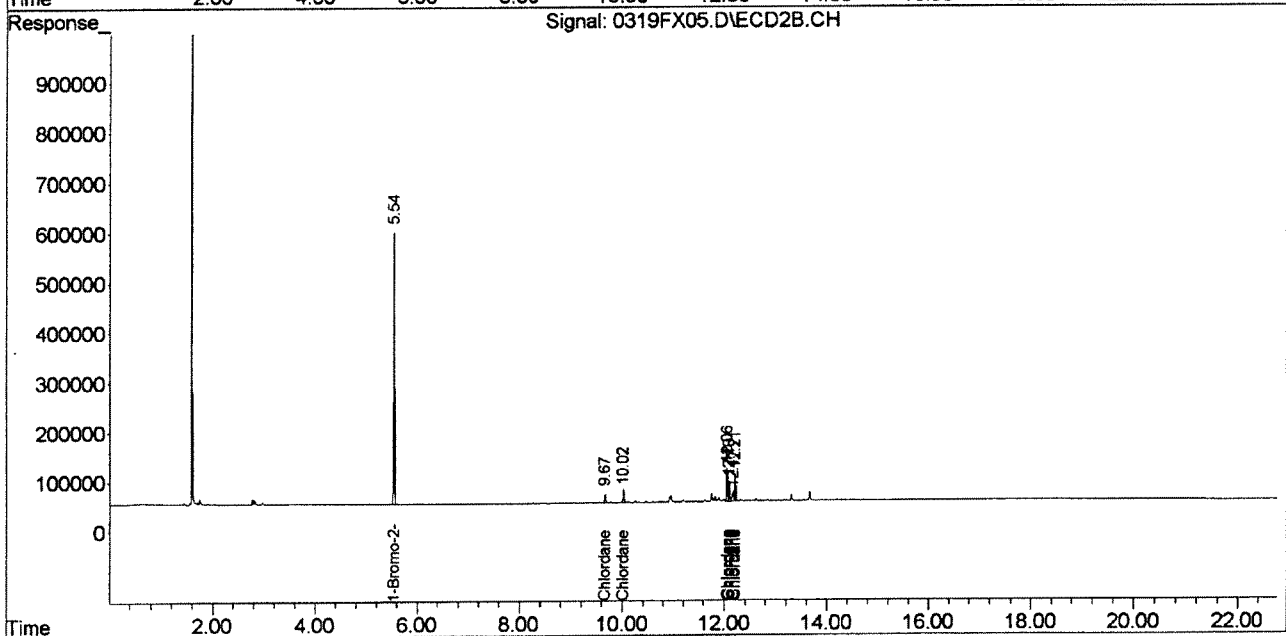
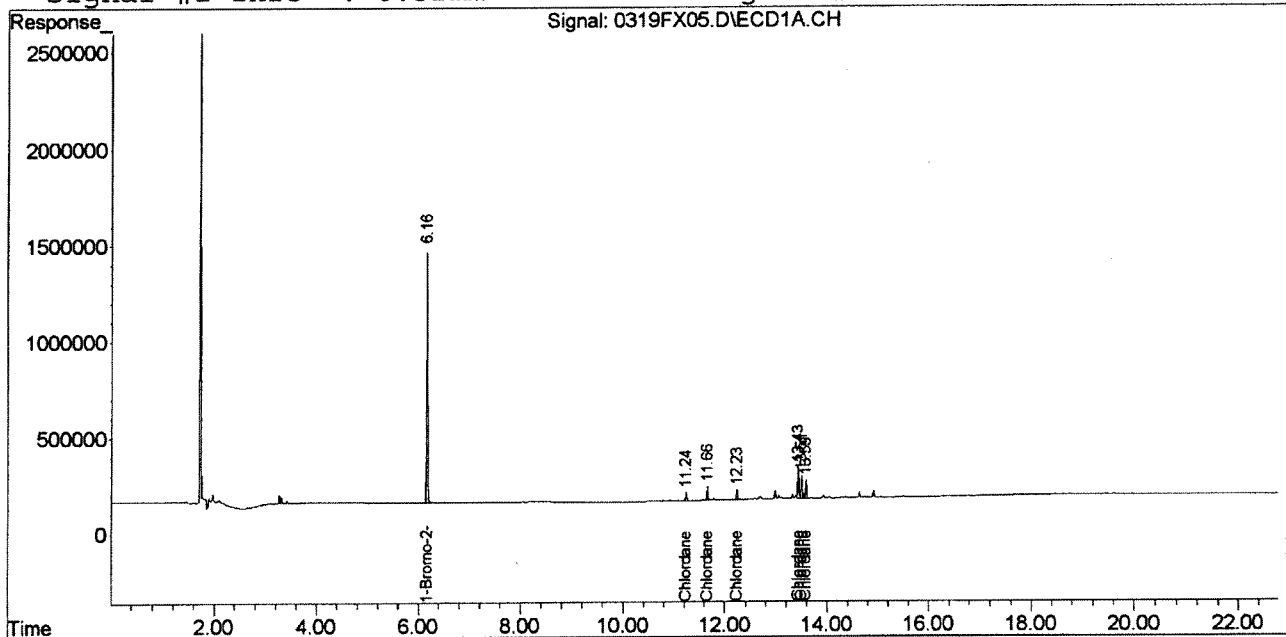
Target Compounds						
37) Chlordane	11.24	9.67	86398	27992	120.092	115.883
38) Chlordane {2}	11.66	10.02	136010	45227	127.308	119.064
39) Chlordane {3}	12.23	12.06	90201	98993	119.950	116.408
40) Chlordane {4}	13.43	12.10	289907	58767	115.704	113.445
41) Chlordane {5}	13.51	12.17	215000	33385	115.316	116.637
42) Chlordane {6}	13.59	12.21	157022	80394	115.373	114.744

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0319FX05.D\ECD1A.CH Vial: 98
Signal #2 : J:\GC23\DATA\031714ICAL\0319FX05.D\ECD2B.CH
Acq On : 19 Mar 2014 4:15 pm Operator: SMURRAY
Sample : CHLOR @100PPB GCPS7-78C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 17:19 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 17:18:14 2014
Response via : Multiple Level Calibration
DataAcq Meth : PEST1UL.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F023.D\ECD1A.CH Vial: 91
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F023.D\ECD2B.CH
 Acq On : 17 Mar 2014 11:42 pm Operator: SMURRAY
 Sample : CHLOR @ ~~1000ppb~~ GCPS7-78D *500ppb* Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H *EE* Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:16:58 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:16:32 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

Internal Standards						
36) 1-Bromo-2-nitrob	5.92	5.39	1714716	635053	100.000	100.000
System Monitoring Compounds						
Target Compounds						
37) Chlordane	10.06	8.77	348051	122786	496.936	441.691
38) Chlordane {2}	10.43	9.06	514938	197161	414.464	447.694
39) Chlordane {3}	11.07	10.85	354123	452763	526.393	450.217
40) Chlordane {4}	12.62	10.90	1238868	265083	517.919	440.311
41) Chlordane {5}	12.72	10.97	903052	152232	522.808	453.556
42) Chlordane {6}	12.83	11.03	641847	365259	489.807	447.900

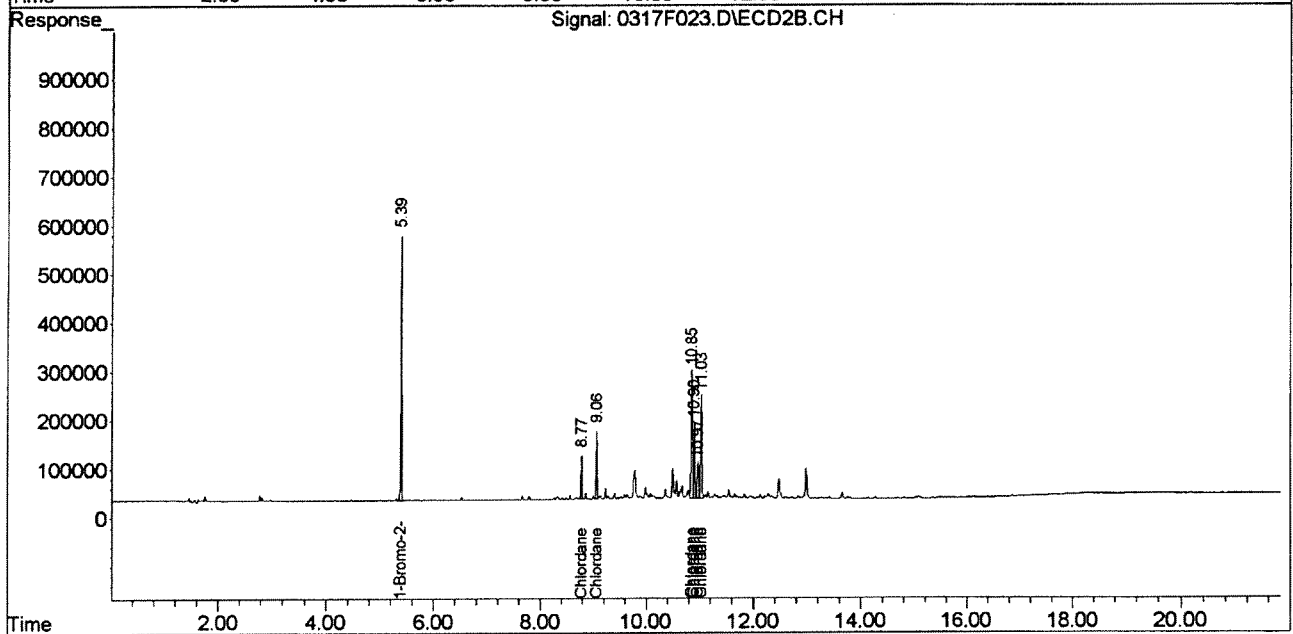
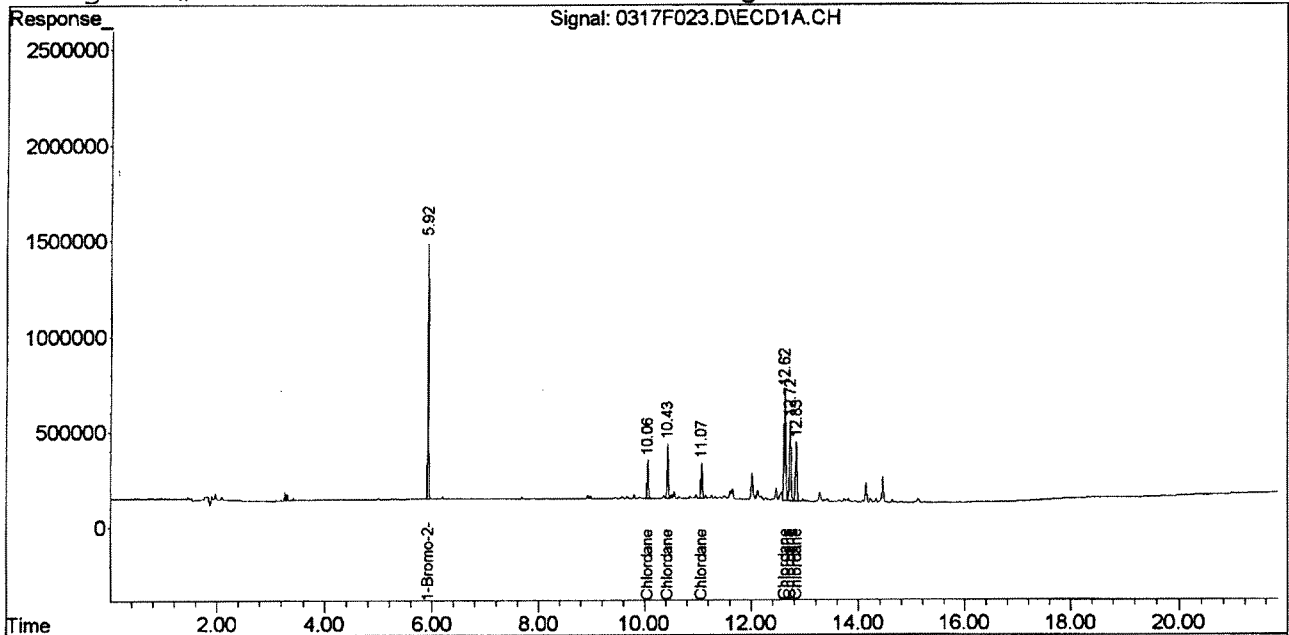
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 0317F023.D GC23-031714-8081.M Tue Mar 18 16:42:23 2014 Page 1

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F023.D\ECD1A.CH Vial: 91
Signal #2 : J:\GC23\DATA\031714ICAL\0317F023.D\ECD2B.CH
Acq On : 17 Mar 2014 11:42 pm Operator: SMURRAY
Sample : CHLOR @ 1000ppb GPCS7-78D Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:35 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:16:32 2014
Response via : Multiple Level Calibration
DataAcq Meth : PESTNEW.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F024.D\ECD1A.CH Vial: 92
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F024.D\ECD2B.CH
 Acq On : 18 Mar 2014 12:11 am Operator: SMURRAY
 Sample : CHLOR @ ~~2000ppb~~ ^{1000ppb} GCPS7-79G *EG* Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:17:00 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:16:32 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Internal Standards						
36) 1-Bromo-2-nitrob	5.92	5.39	1687125	628829	100.000	100.000

System Monitoring Compounds

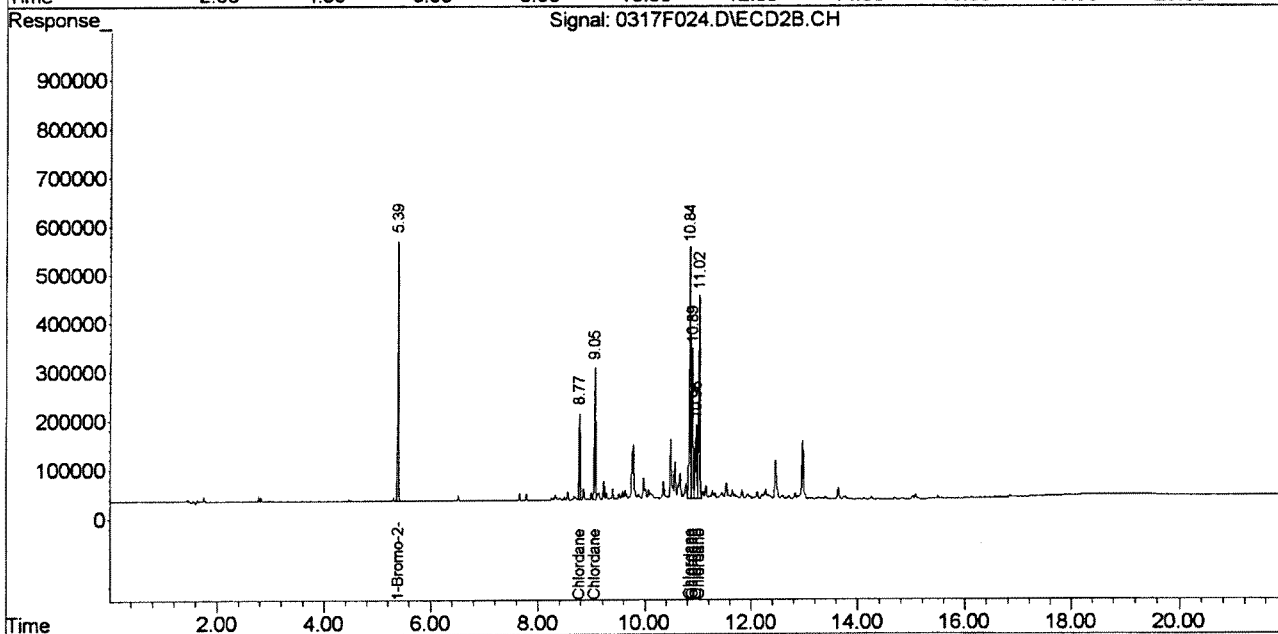
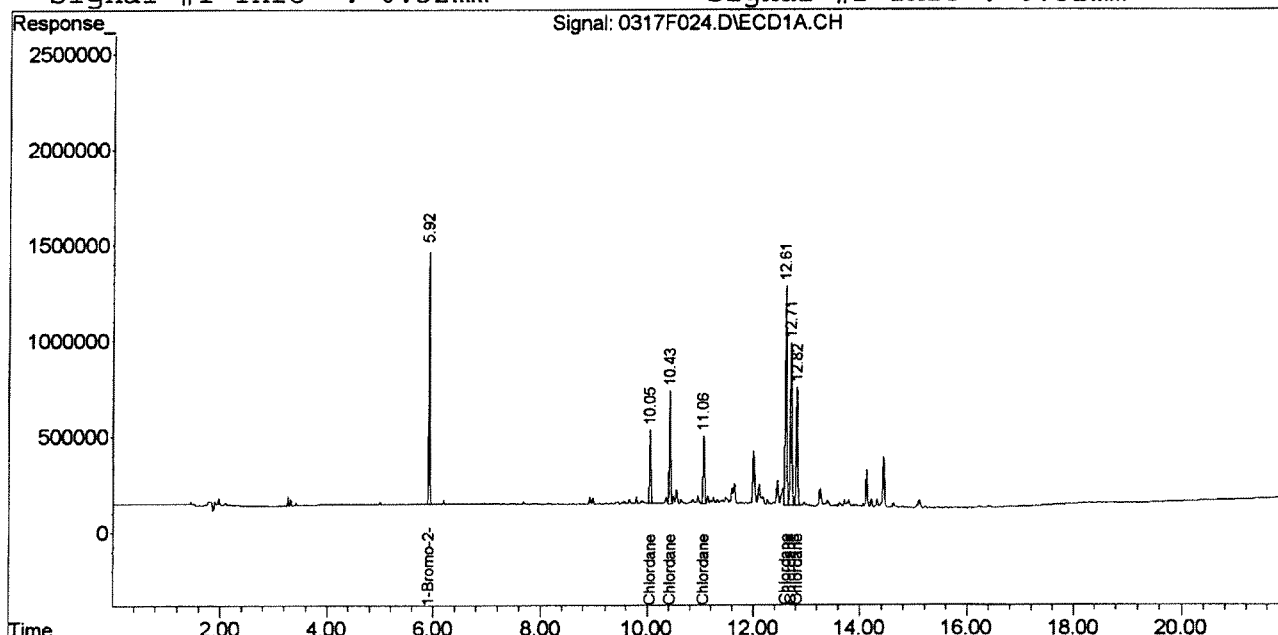
Target Compounds						
37) Chlordane	10.05	8.77	669551	242757	971.596	881.899
38) Chlordane {2}	10.43	9.05	1050344	395882	859.229	923.631
39) Chlordane {3}	11.06	10.84	677354	897066	1070.875	900.850
40) Chlordane {4}	12.61	10.89	2542328	528521	1116.515	886.579
41) Chlordane {5}	12.71	10.96	1793115	298290	1096.537	897.513
42) Chlordane {6}	12.82	11.02	1253759	717757	1022.172	888.864

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F024.D\ECD1A.CH Vial: 92
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F024.D\ECD2B.CH
 Acq On : 18 Mar 2014 12:11 am Operator: SMURRAY
 Sample : CHLOR @ 2000ppb GCPS7-79G Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:36 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:16:32 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0319FX06.D\ECD1A.CH Vial: 99
 Signal #2 : J:\GC23\DATA\031714ICAL\0319FX06.D\ECD2B.CH
 Acq On : 19 Mar 2014 4:44 pm Operator: SMURRAY
 Sample : CHLOR @2000PPB GCPS7-79G Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 17:20:30 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 17:20:08 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Internal Standards						
36) 1-Bromo-2-nitrob	6.15	5.54	1822334	669389	100.000	100.000

System Monitoring Compounds

Target Compounds

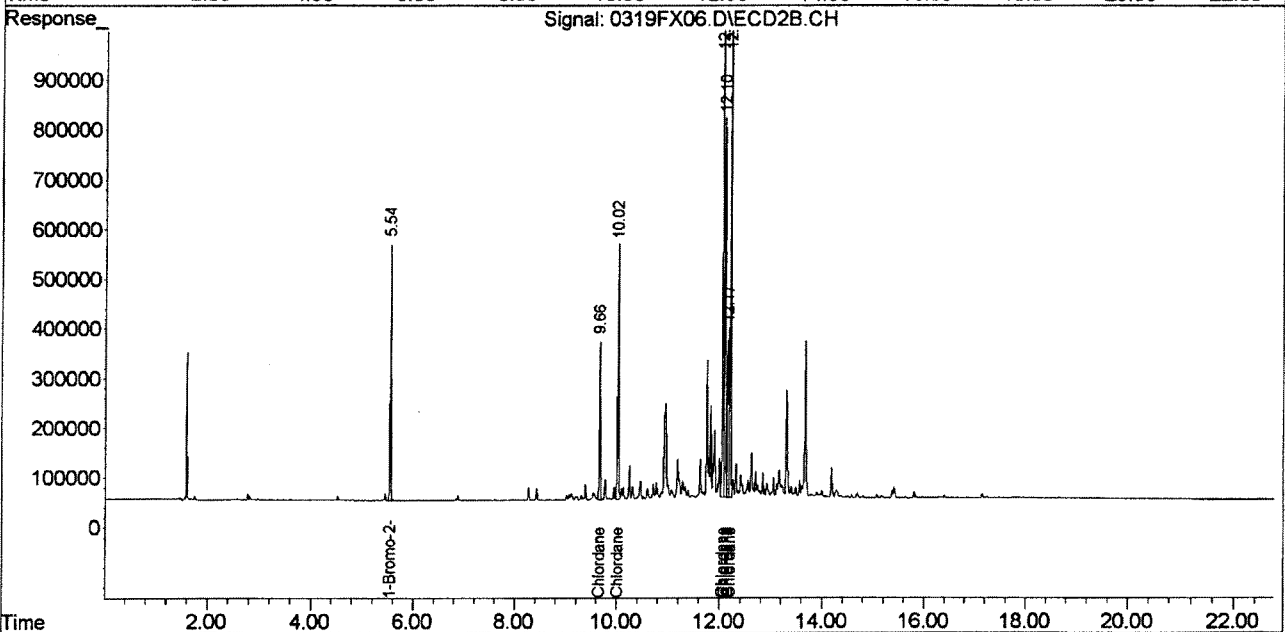
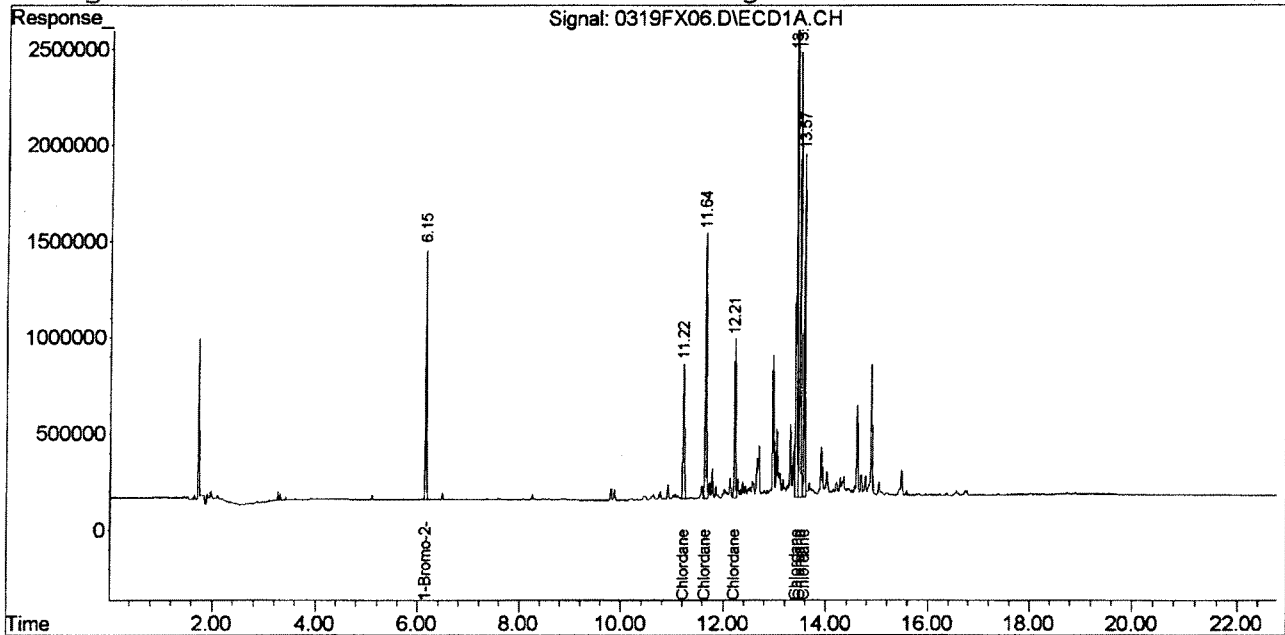
37)	Chlordane	11.22	9.66	1399291	513585	1862.593	2024.141
38)	Chlordane {2}	11.64	10.02	2426283	851467	2144.106	2117.039
39)	Chlordane {3}	12.21	12.06	1358035	1906989	1734.984	2124.807
40)	Chlordane {4}	13.42	12.10	5636803	1088944	2160.086	2006.606
41)	Chlordane {5}	13.49	12.17	3964769	634022	2046.773	2100.272
42)	Chlordane {6}	13.57	12.21	2785069	1494237	1975.884	2029.409

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0319FX06.D\ECD1A.CH Vial: 99
Signal #2 : J:\GC23\DATA\031714ICAL\0319FX06.D\ECD2B.CH
Acq On : 19 Mar 2014 4:44 pm Operator: SMURRAY
Sample : CHLOR @2000PPB GCPS7-79G Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 17:20 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 17:20:08 2014
Response via : Multiple Level Calibration
DataAcq Meth : PEST1UL.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0319FX07.D\ECD1A.CH Vial: 100
 Signal #2 : J:\GC23\DATA\031714ICAL\0319FX07.D\ECD2B.CH
 Acq On : 19 Mar 2014 5:14 pm Operator: SMURRAY
 Sample : CHLOR @1000PPB GCPS7-47D@1KX Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 19 17:43:30 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Wed Mar 19 17:24:24 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

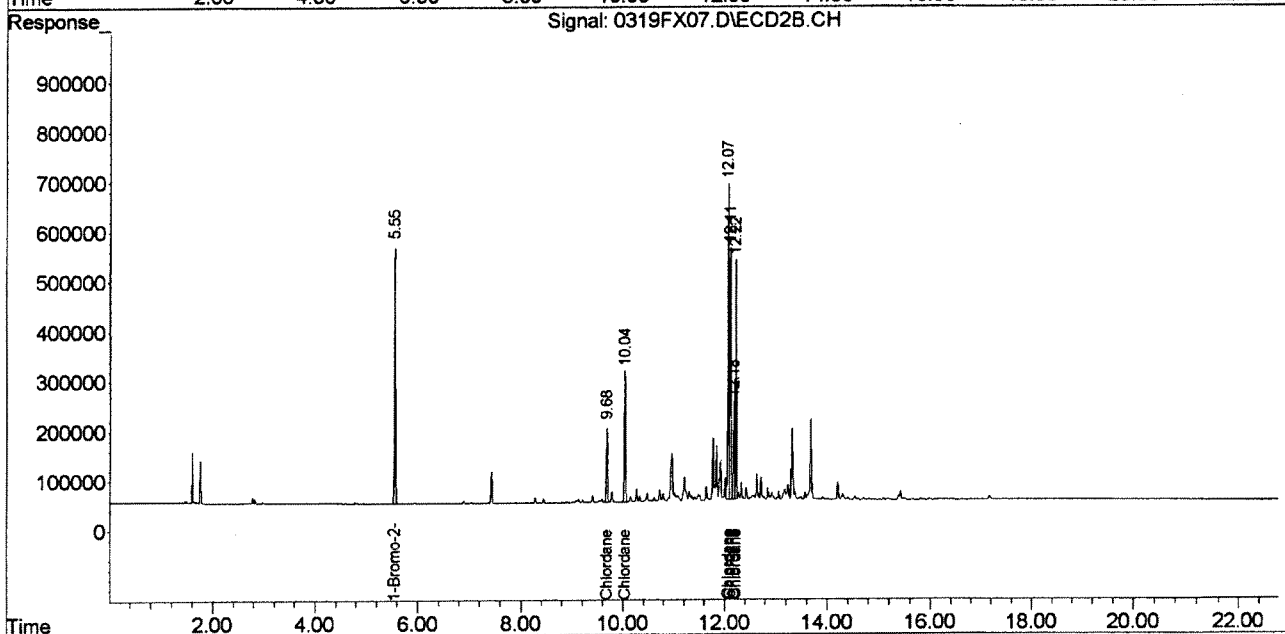
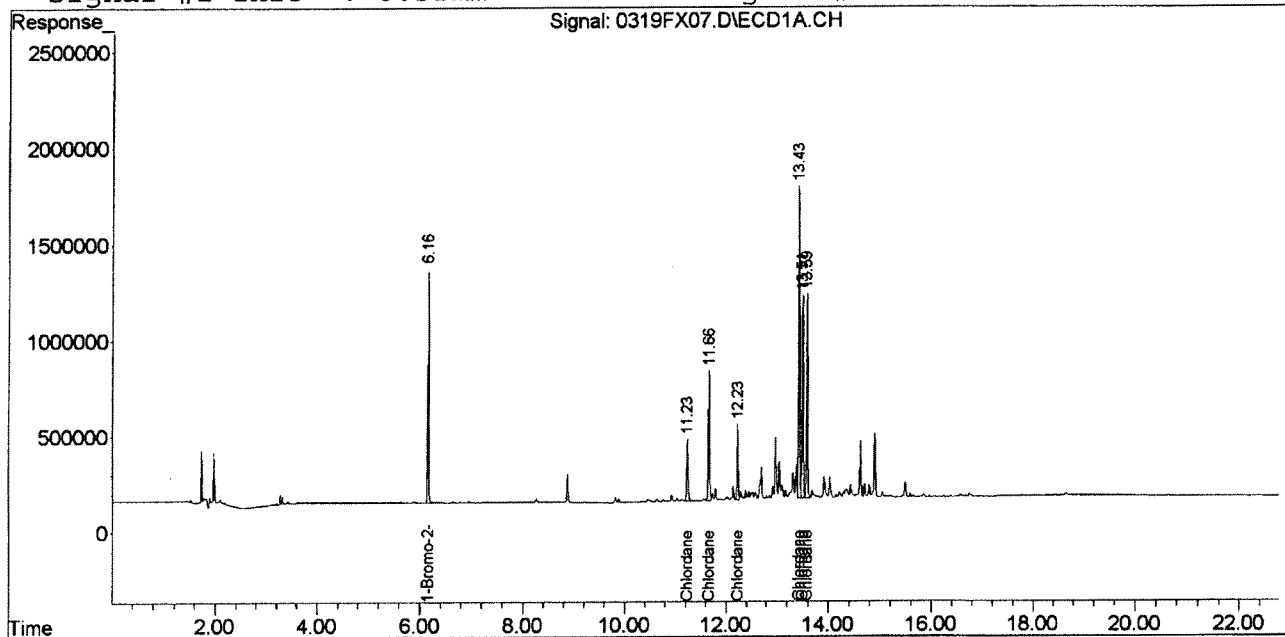
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Internal Standards						
36) 1-Bromo-2-nitrob	6.16	5.55	1719793	656371	100.000	100.000
System Monitoring Compounds						
Target Compounds						
37) Chlordane	11.23	9.68	672419	240652	982.271	892.474
38) Chlordane {2}	11.66	10.04	1183765	441339	1012.179	1027.527
39) Chlordane {3}	12.23	12.07	644177	945339	930.214	986.960
40) Chlordane {4}	13.43	12.11	2827907	718816	1051.255	1249.824
41) Chlordane {5}	13.51	12.18	1801571	328339	906.418	1020.108
42) Chlordane {6}	13.59	12.22	1772435	694420	1228.516	888.417 #

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0319FX07.D\ECD1A.CH Vial: 100
Signal #2 : J:\GC23\DATA\031714ICAL\0319FX07.D\ECD2B.CH
Acq On : 19 Mar 2014 5:14 pm Operator: SMURRAY
Sample : CHLOR @1000PPB GCPS7-47D@1KX Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 19 17:43 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Wed Mar 19 17:24:24 2014
Response via : Multiple Level Calibration
DataAcq Meth : PEST1UL.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F026.D\ECD1A.CH Vial: 94
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F026.D\ECD2B.CH
 Acq On : 18 Mar 2014 1:08 am Operator: SMURRAY
 Sample : MISC @ 2ppb GCPS7-80C Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:15:39 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:15:22 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

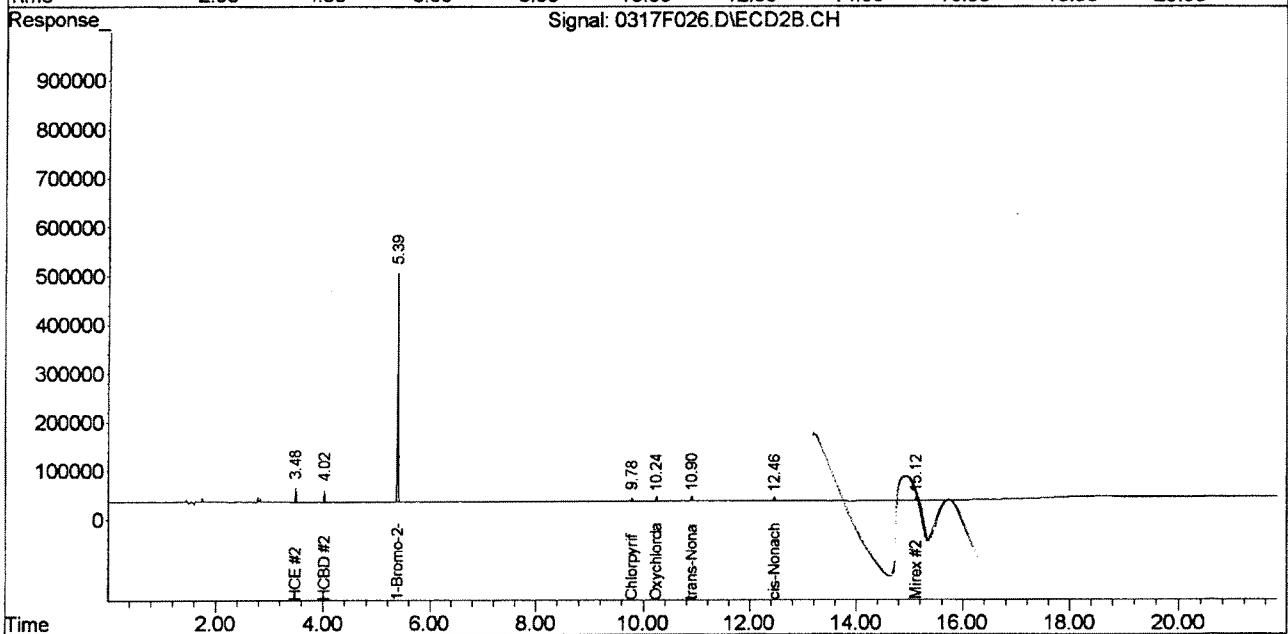
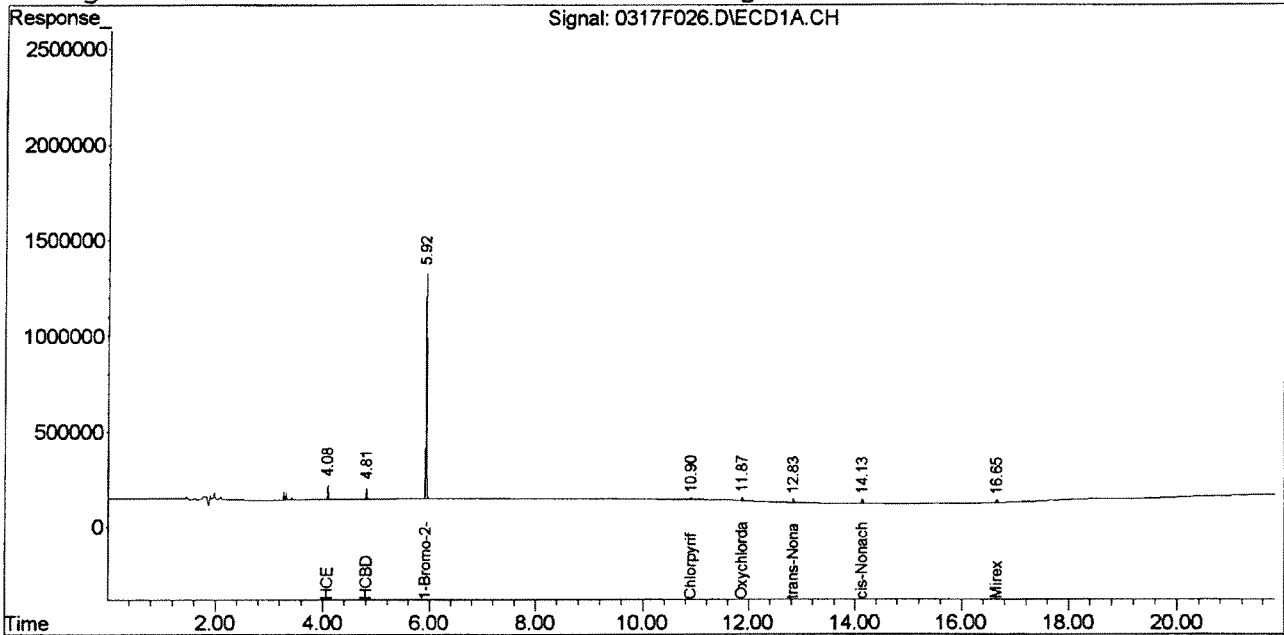
Internal Standards						
43) 1-Bromo-2-nitrob	5.92	5.39	1505977	560699	100.000	100.000
System Monitoring Compounds						
Target Compounds						
44) Chlorpyrifos	10.90	9.78	18891	8004	1.740	2.182 #
45) Oxychlordane	11.87	10.24	38560	15479	2.328m	2.492
46) cis-Nonachlor	14.13	12.46	44487	18437	2.116	2.365
47) trans-Nonachlor	12.83	10.90	46015	18319	2.310	2.417
48) Mirex	16.65	15.12	35417	15558	1.899	2.348
49) HCE	4.08	3.48	79641	27539	1.911	2.311
50) HCBD	4.81	4.02	66622	23996	2.548	2.585

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F026.D\ECD1A.CH Vial: 94
Signal #2 : J:\GC23\DATA\031714ICAL\0317F026.D\ECD2B.CH
Acq On : 18 Mar 2014 1:08 am Operator: SMURRAY
Sample : MISC @ 2ppb GCPS7-80C Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 17:00 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:15:22 2014
Response via : Multiple Level Calibration
DataAcq Meth : PESTNEW.M

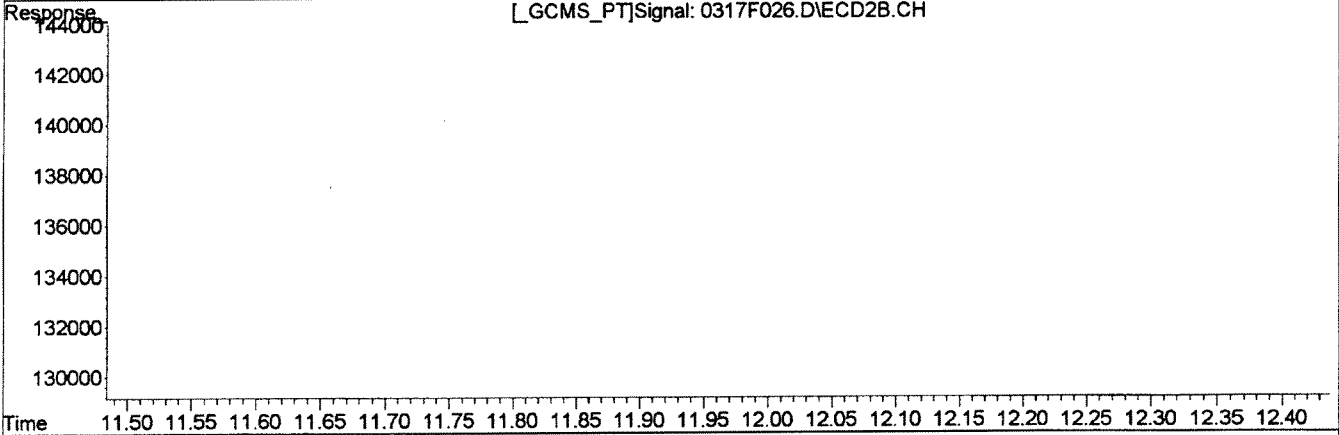
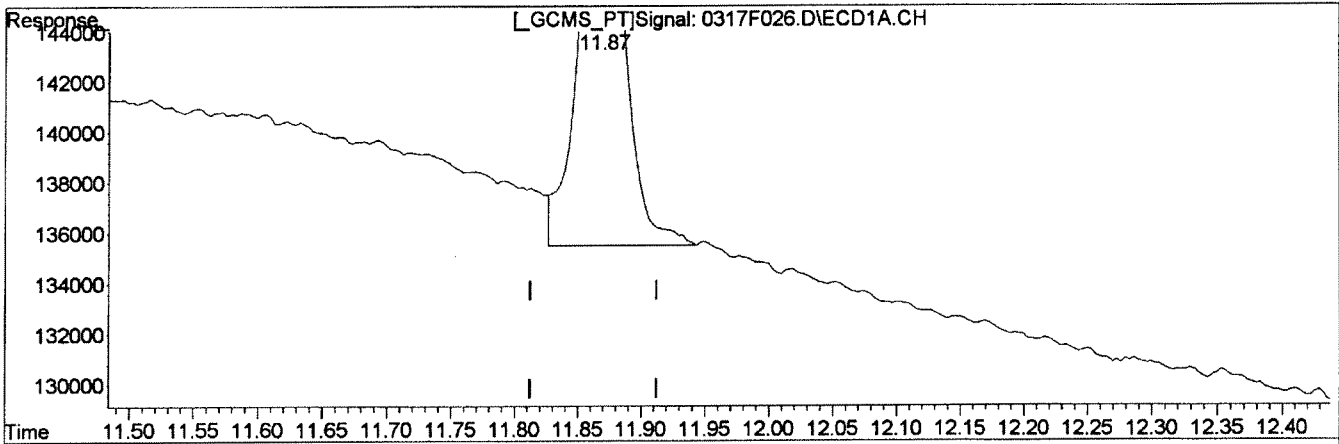
Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F026.D\ECD1A.CH Vial: 94
Signal #2 : J:\GC23\DATA\031714ICAL\0317F026.D\ECD2B.CH
Acq On : 18 Mar 2014 1:08 am Operator: SMURRAY
Sample : MISC @ 2ppb GCPS7-80C Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:15 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:39:39 2014
Response via : Multiple Level Calibration



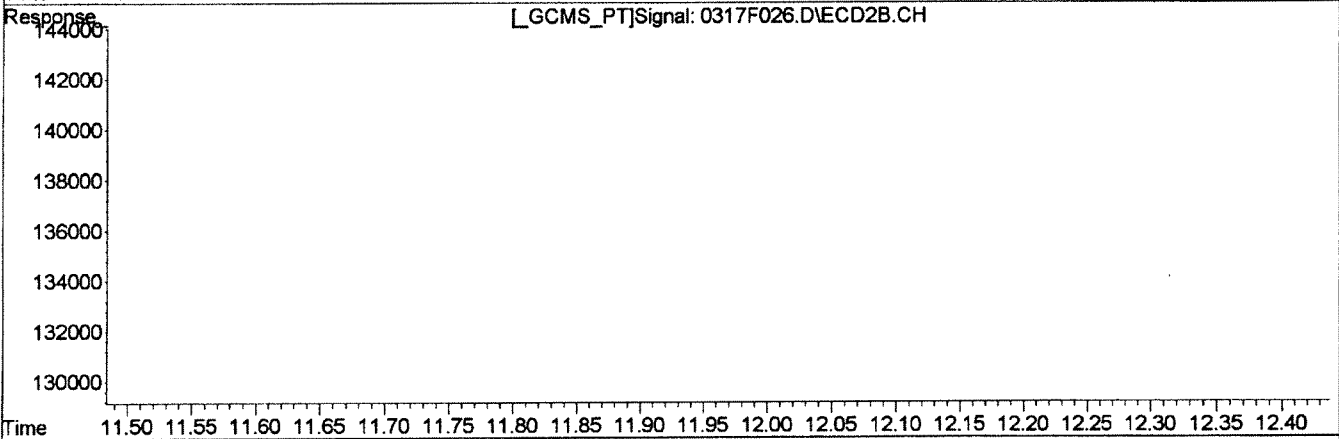
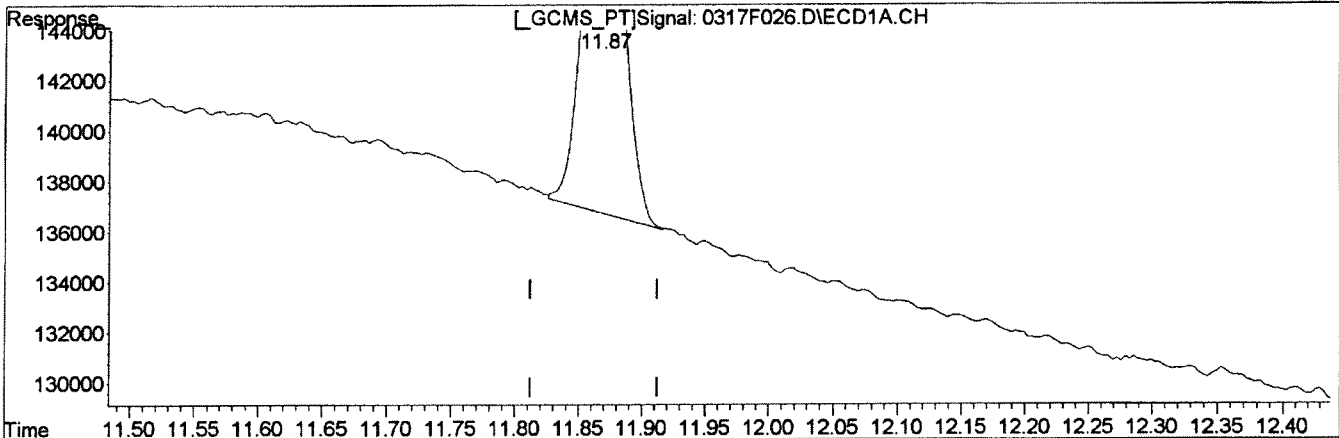
Signal: 0317F026.D\ECD1A.CH	
(45) Oxychlordane	Manual Integration:
11.87min 2.770ug/L	Before
response 45827	03/18/14
(45) Oxychlordane #2	
10.24min 2.492ug/L	
response 15479	

(+) = Expected Retention Time
0317F026.D GC23-031714-8081.M Tue Mar 18 16:59:34 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F026.D\ECD1A.CH Vial: 94
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F026.D\ECD2B.CH
 Acq On : 18 Mar 2014 1:08 am Operator: SMURRAY
 Sample : MISC @ 2ppb GCPS7-80C Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:15 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:39:39 2014
 Response via : Multiple Level Calibration



Signal: 0317F026.D\ECD1A.CH		Manual Integration:
(45) Oxychlordane		After
11.87min	2.328ug/L m	Baseline/Shoulder
response	38560	03/18/14
(45) Oxychlordane #2		
10.24min	2.492ug/L	
response	15479	

(+) = Expected Retention Time
 0317F026.D GC23-031714-8081.M Tue Mar 18 16:59:37 2014

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F027.D\ECD1A.CH Vial: 95
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F027.D\ECD2B.CH
 Acq On : 18 Mar 2014 1:37 am Operator: SMURRAY
 Sample : MISC @ 5ppb GCPS7-80D Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:15:41 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:15:22 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

Internal Standards						
43) 1-Bromo-2-nitrob	5.92	5.39	1641207	610140	100.000	100.000
System Monitoring Compounds						
Target Compounds						
44) Chlorpyrifos	10.90	9.78	48199	19637	4.099	4.955
45) Oxychlorane	11.87	10.24	96824	37535	5.406m	5.554
46) cis-Nonachlor	14.13	12.46	111240	46538	4.888m	5.486
47) trans-Nonachlor	12.83	10.90	114823	44927	5.328	5.448
48) Mirex	16.65	15.12	85758	38332	4.251	5.357 #
49) HCE	4.08	3.48	187924	69727	4.138	5.377 #
50) HCB	4.80	4.02	154736	59061	5.431	5.848

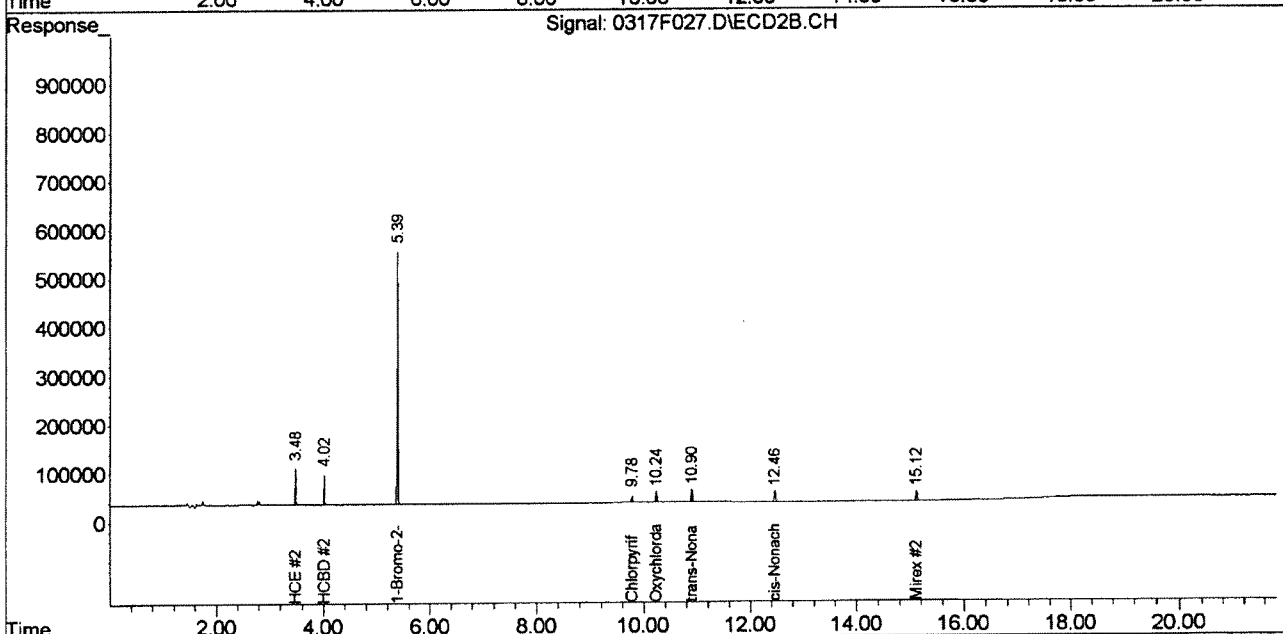
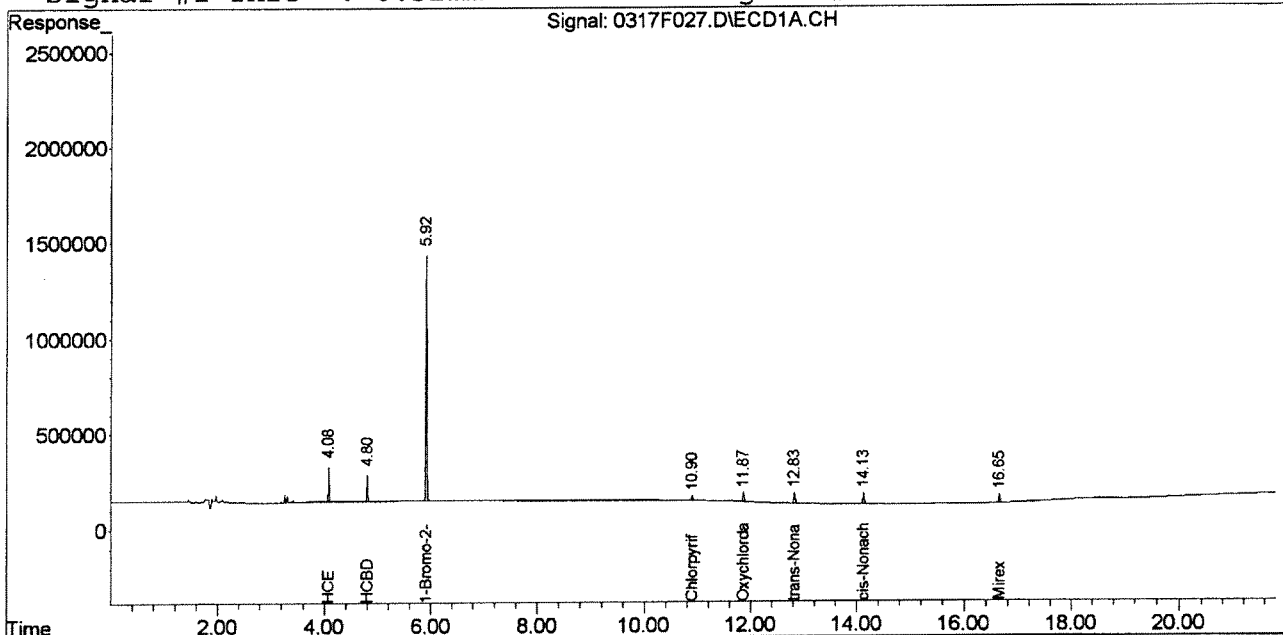


Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F027.D\ECD1A.CH Vial: 95
Signal #2 : J:\GC23\DATA\031714ICAL\0317F027.D\ECD2B.CH
Acq On : 18 Mar 2014 1:37 am Operator: SMURRAY
Sample : MISC @ 5ppb GCPS7-80D Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 17:11 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:15:22 2014
Response via : Multiple Level Calibration
DataAcq Meth : PESTNEW.M

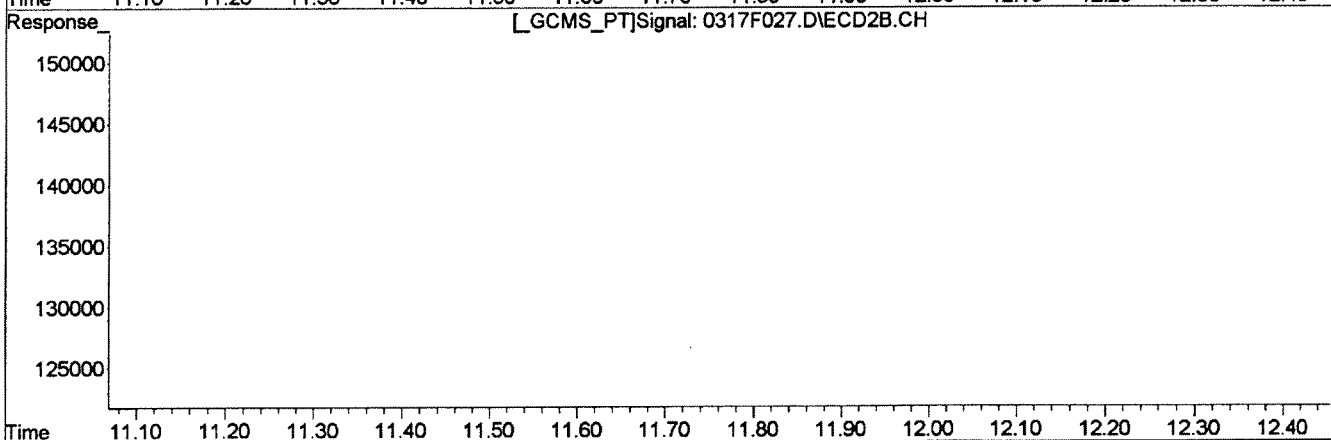
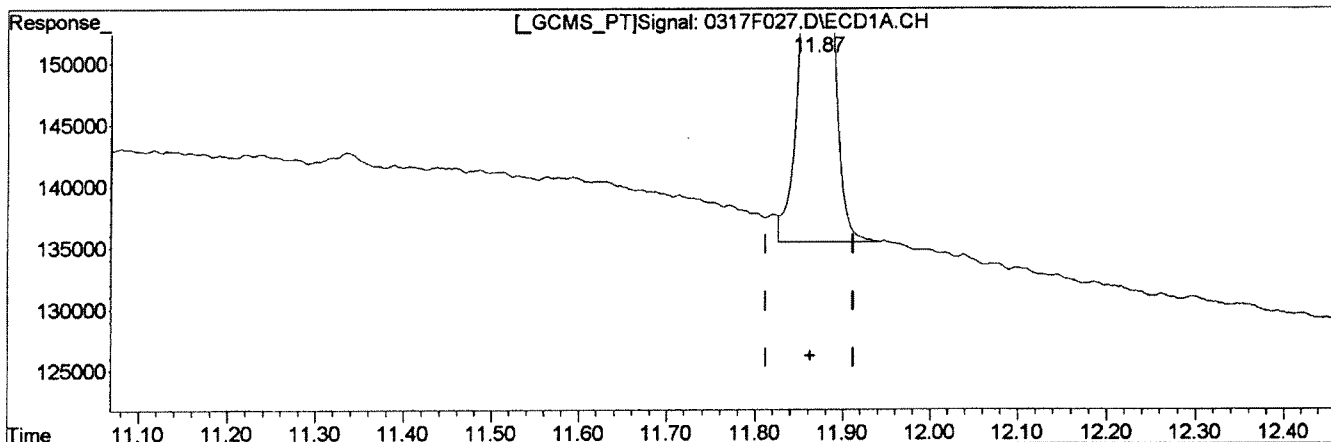
Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F027.D\ECD1A.CH Vial: 95
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F027.D\ECD2B.CH
 Acq On : 18 Mar 2014 1:37 am Operator: SMURRAY
 Sample : MISC @ 5ppb GCPS7-80D Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:15 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 17:11:12 2014
 Response via : Multiple Level Calibration



Signal: 0317F027.D\ECD1A.CH		Manual Integration:
(45) Oxychlordane	11.87min 5.700ug/L	Before
response 102018		03/18/14
(45) Oxychlordane #2	10.24min 5.554ug/L	
response 37535		

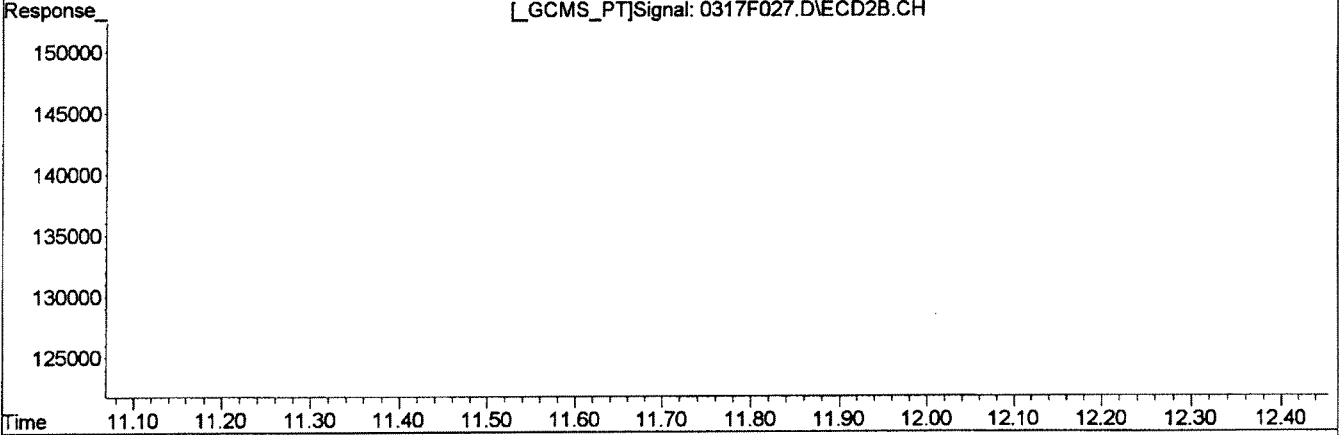
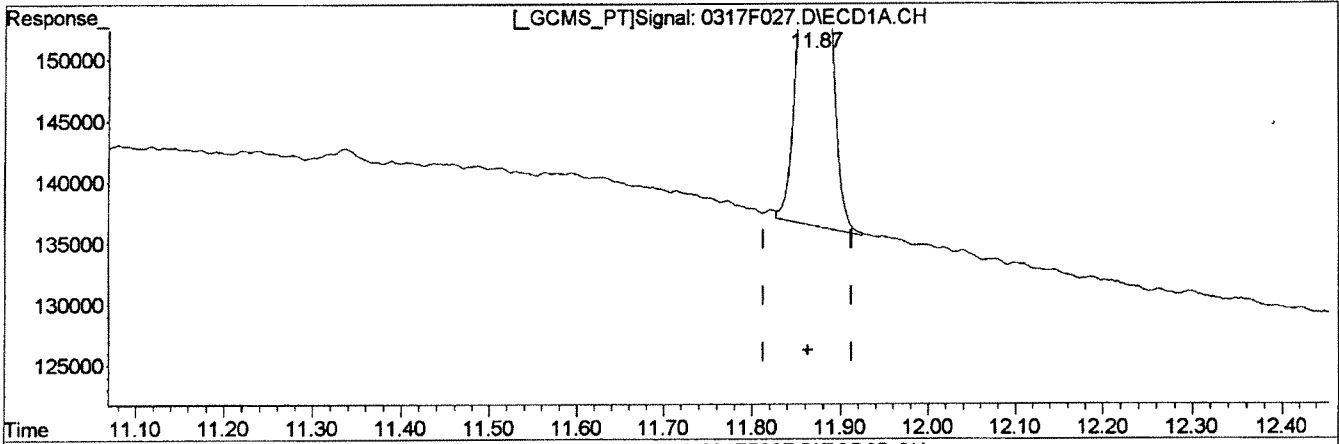
(+) = Expected Retention Time
 0317F027.D GC23-031714-8081.M

Tue Mar 18 17:11:34 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F027.D\ECD1A.CH Vial: 95
Signal #2 : J:\GC23\DATA\031714ICAL\0317F027.D\ECD2B.CH
Acq On : 18 Mar 2014 1:37 am Operator: SMURRAY
Sample : MISC @ 5ppb GCPS7-80D Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:15 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 17:11:12 2014
Response via : Multiple Level Calibration



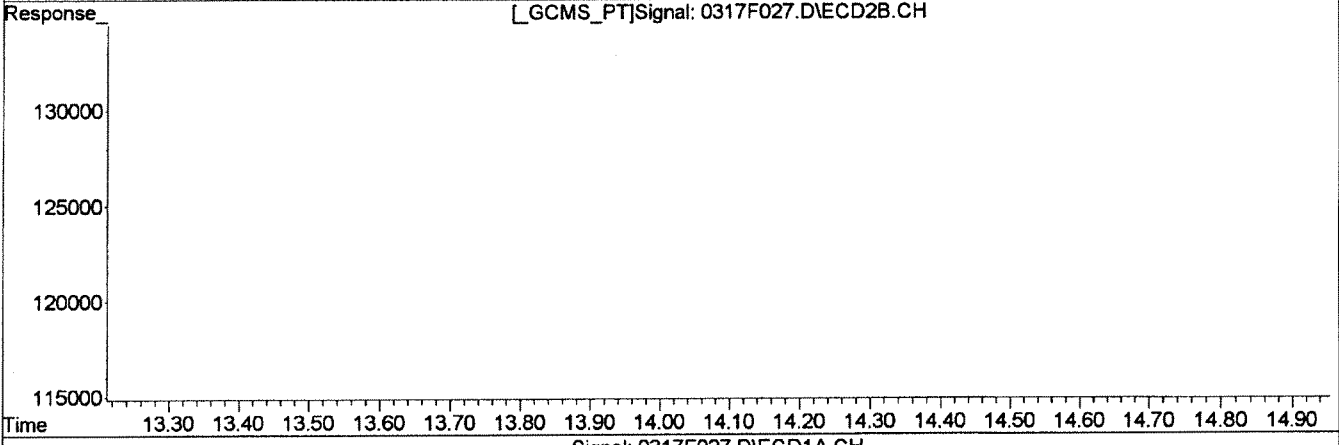
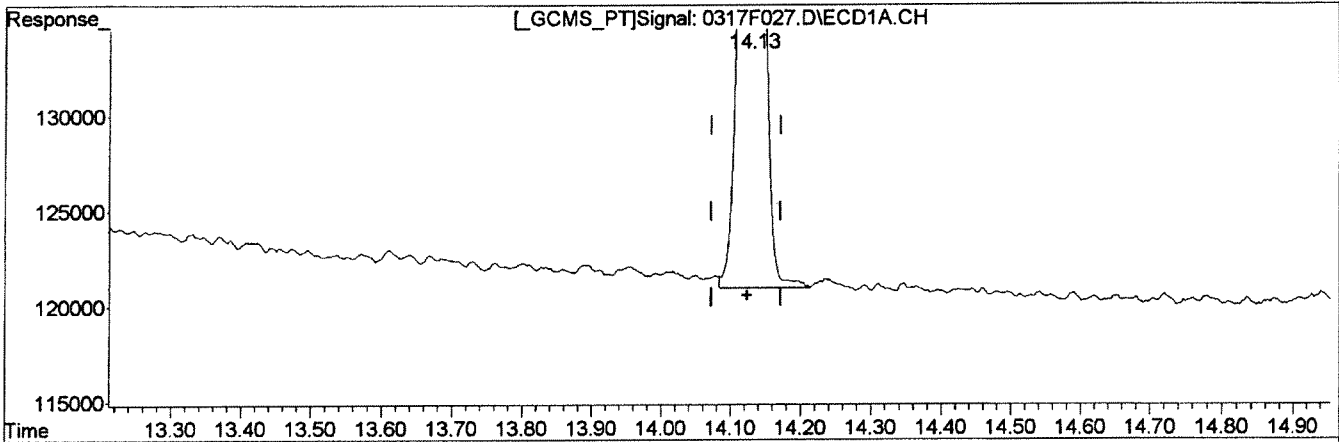
Signal: 0317F027.D\ECD1A.CH		Manual Integration:
(45) Oxychlordane		After
11.87min 5.406ug/L m		Baseline/Shoulder
response 96824		03/18/14
(45) Oxychlordane #2		
10.24min 5.554ug/L		
response 37535		

(+) = Expected Retention Time
0317F027.D GC23-031714-8081.M Tue Mar 18 17:11:37 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F027.D\ECD1A.CH Vial: 95
Signal #2 : J:\GC23\DATA\031714ICAL\0317F027.D\ECD2B.CH
Acq On : 18 Mar 2014 1:37 am Operator: SMURRAY
Sample : MISC @ 5ppb GCPS7-80D Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:15 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 17:11:12 2014
Response via : Multiple Level Calibration



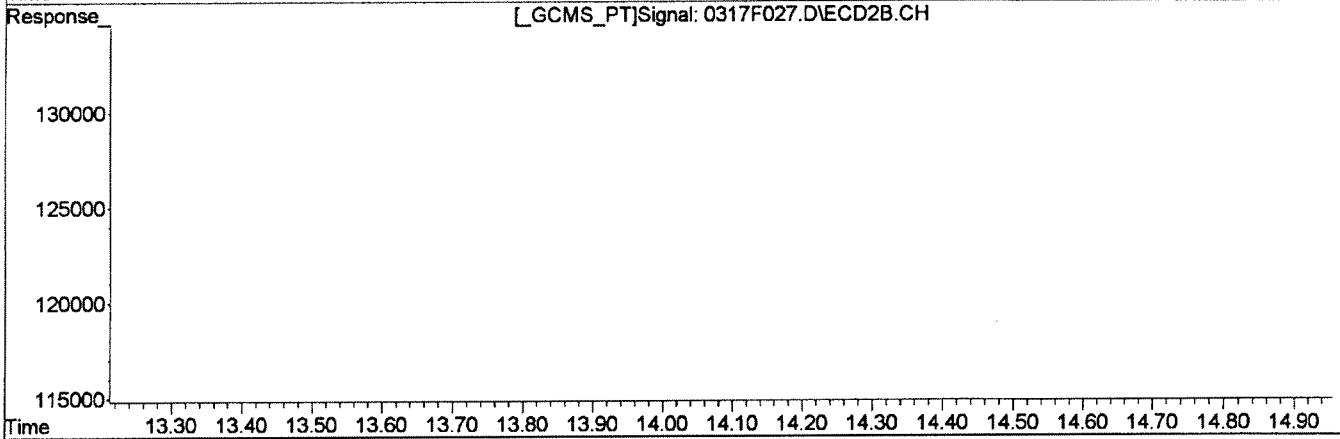
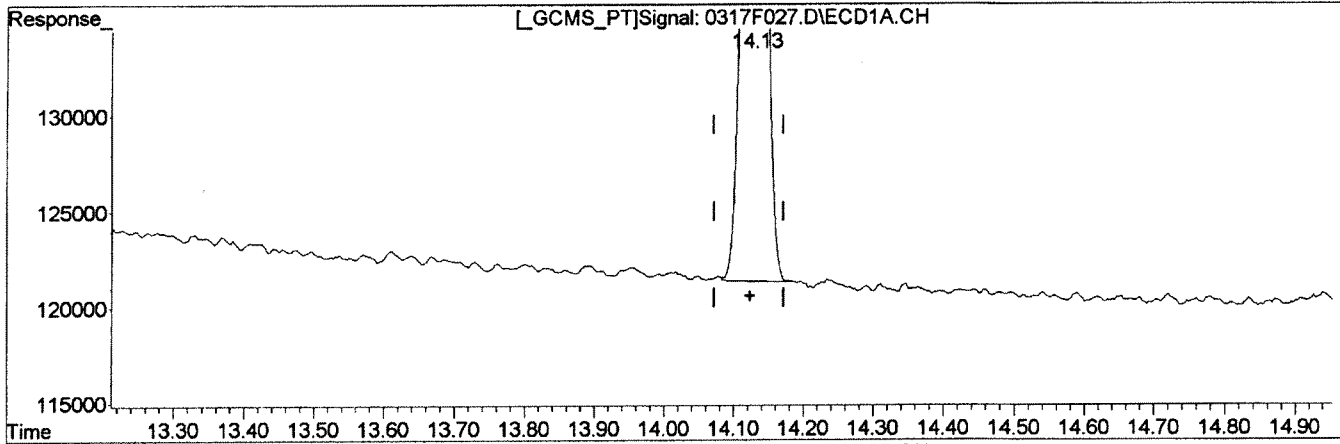
Signal: 0317F027.D\ECD1A.CH	
(46) cis-Nonachlor	Manual Integration:
14.13min 5.004ug/L	Before
response 113853	03/18/14
(46) cis-Nonachlor #2	
12.46min 5.486ug/L	
response 46538	

(+) = Expected Retention Time
0317F027.D GC23-031714-8081.M Tue Mar 18 17:11:44 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F027.D\ECD1A.CH Vial: 95
Signal #2 : J:\GC23\DATA\031714ICAL\0317F027.D\ECD2B.CH
Acq On : 18 Mar 2014 1:37 am Operator: SMURRAY
Sample : MISC @ 5ppb GCPS7-80D Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:15 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 17:11:12 2014
Response via : Multiple Level Calibration



Signal: 0317F027.D\ECD1A.CH	
(46) cis-Nonachlor	Manual Integration:
14.13min 4.888ug/L m	After
response 111240	Baseline/Shoulder
	03/18/14
(46) cis-Nonachlor #2	
12.46min 5.486ug/L	
response 46538	

(+) = Expected Retention Time
0317F027.D GC23-031714-8081.M

Tue Mar 18 17:11:47 2014

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F028.D\ECD1A.CH Vial: 96
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F028.D\ECD2B.CH
 Acq On : 18 Mar 2014 2:06 am Operator: SMURRAY
 Sample : MISC @ 20ppb GCPS7-80E Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:15:42 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:15:22 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

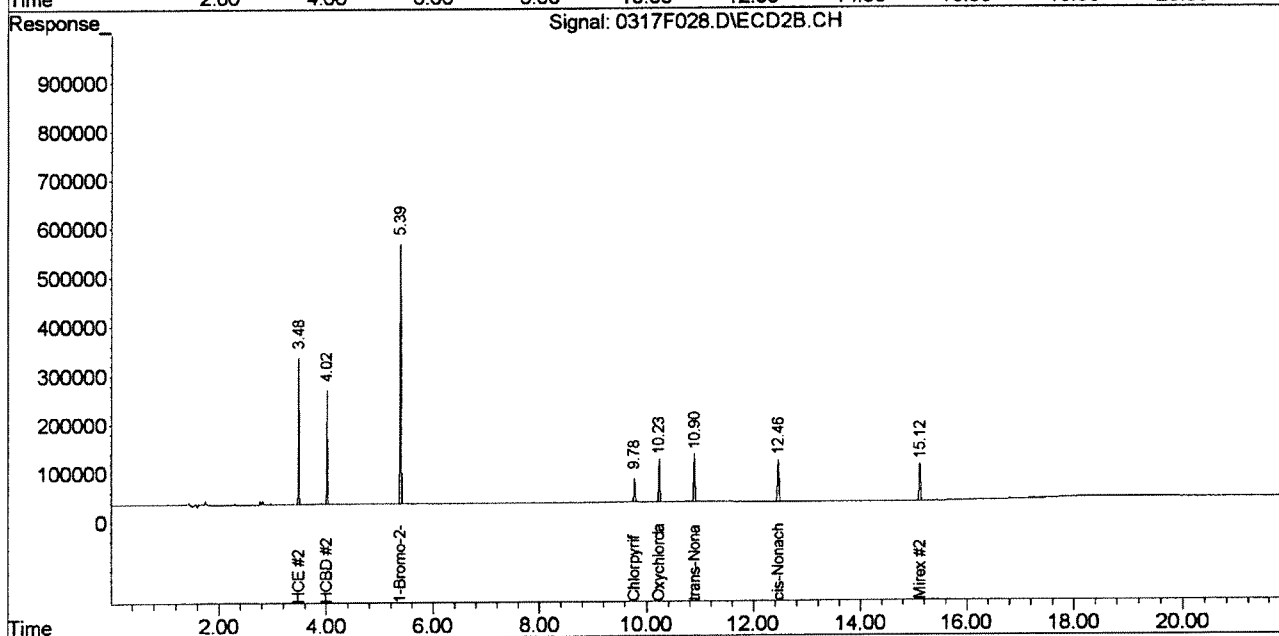
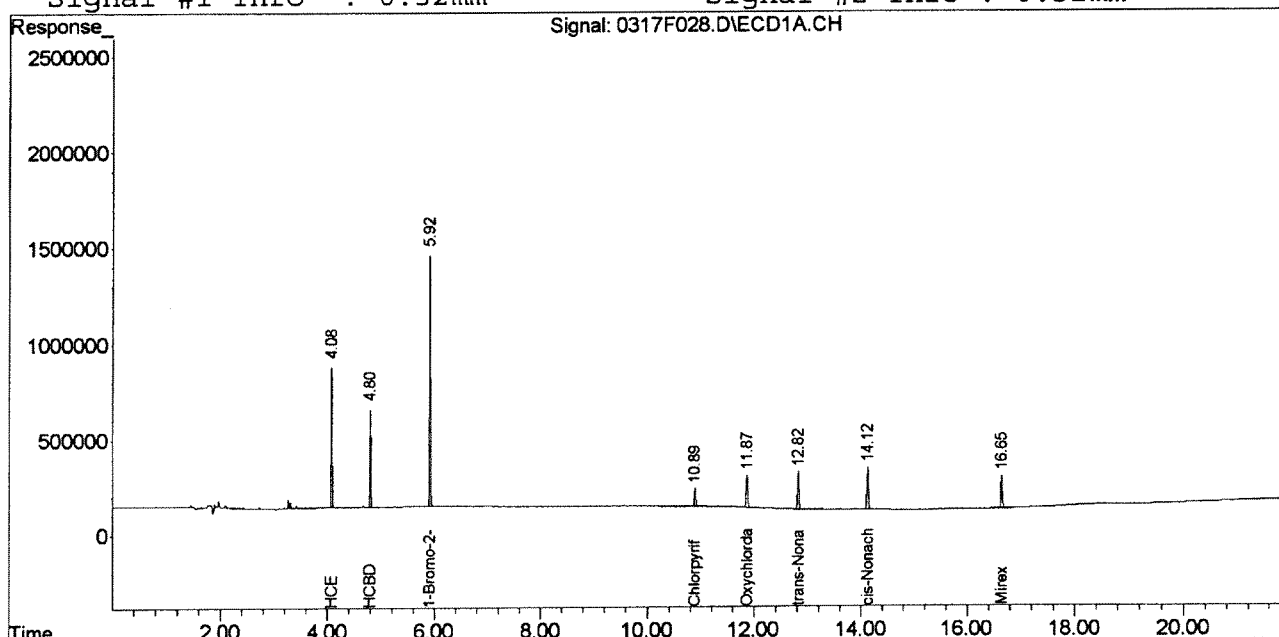
Internal Standards						
43) 1-Bromo-2-nitrob	5.92	5.39	1686731.	620895	100.000	100.000
System Monitoring Compounds						
Target Compounds						
44) Chlorpyrifos	10.89	9.78	181819	70781	15.513	18.190
45) Oxychlordane	11.87	10.23	352144	140231	19.856m	20.389
46) cis-Nonachlor	14.12	12.46	422896	177631	18.696	20.577
47) trans-Nonachlor	12.82	10.90	420496	173277	19.665	20.649
48) Mirex	16.65	15.12	320386	140012	16.069	19.990
49) HCE	4.08	3.48	746078	284177	15.987	21.534 #
50) HCBd	4.80	4.02	576266	228621	19.679	22.245

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F028.D\ECD1A.CH Vial: 96
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F028.D\ECD2B.CH
 Acq On : 18 Mar 2014 2:06 am Operator: SMURRAY
 Sample : MISC @ 20ppb GCPS7-80E Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 17:12 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:15:22 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PESTNEW.M

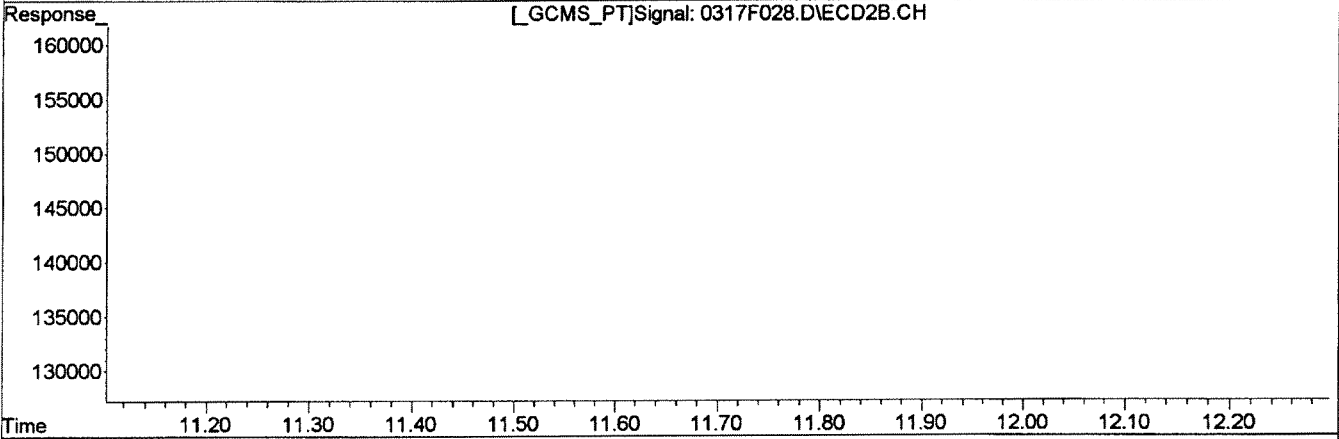
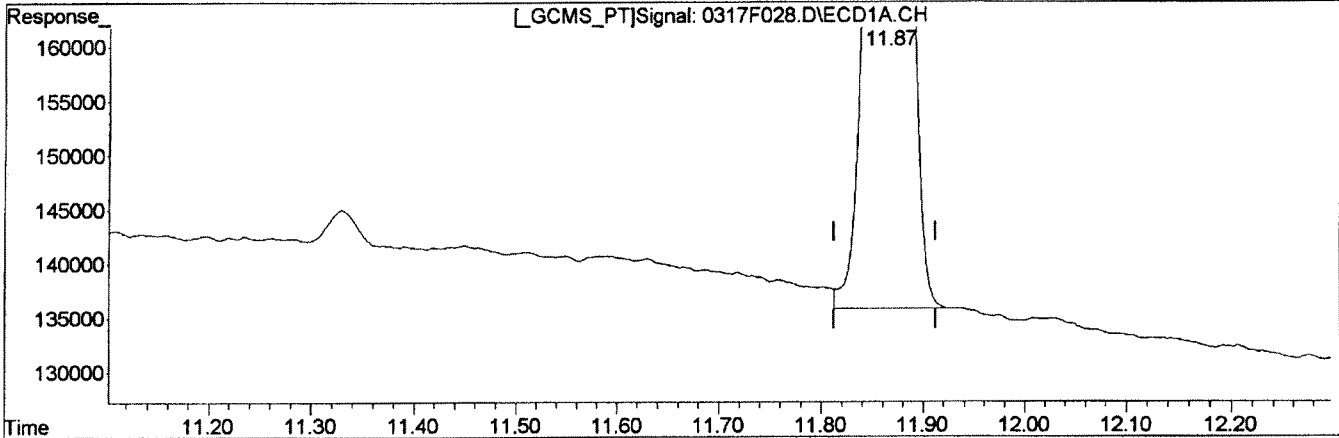
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F028.D\ECD1A.CH Vial: 96
Signal #2 : J:\GC23\DATA\031714ICAL\0317F028.D\ECD2B.CH
Acq On : 18 Mar 2014 2:06 am Operator: SMURRAY
Sample : MISC @ 20ppb GCPS7-80E Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:15 2014 Quant Results File: GC23-031714-8081.RES

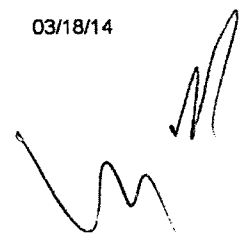
Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 17:11:56 2014
Response via : Multiple Level Calibration



Signal: 0317F028.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
(45) Oxychlordane		
11.87min	20.161ug/L	357268
(45) Oxychlordane #2		
10.23min	20.389ug/L	140231

Manual Integration:
Before
03/18/14

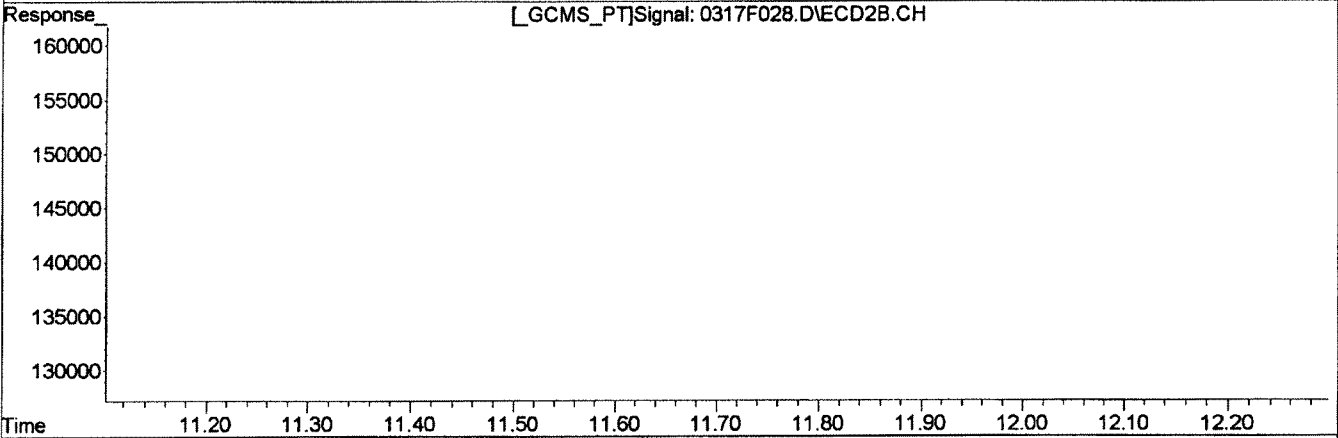
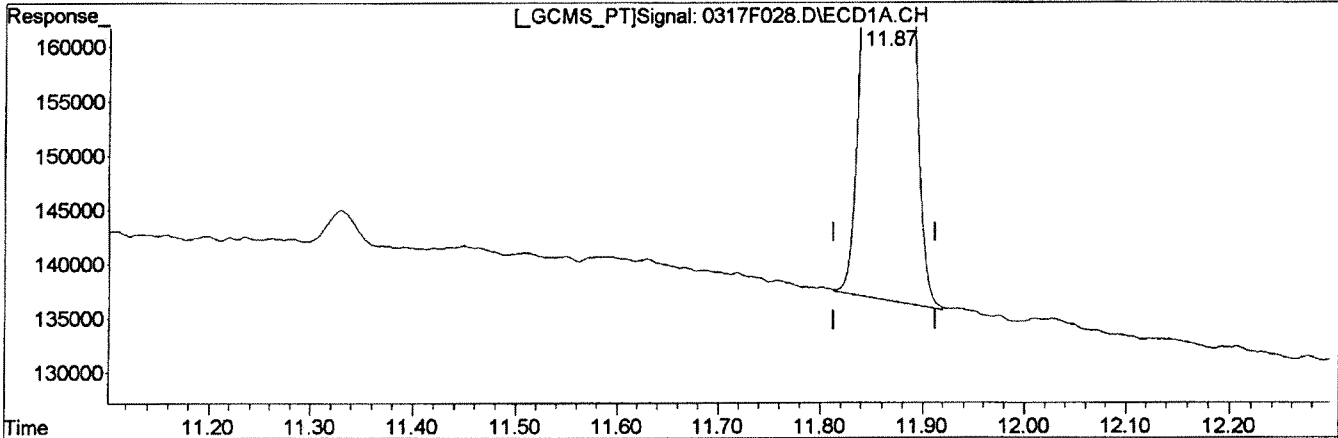


(+) = Expected Retention Time
0317F028.D GC23-031714-8081.M Tue Mar 18 17:12:19 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F028.D\ECD1A.CH Vial: 96
Signal #2 : J:\GC23\DATA\031714ICAL\0317F028.D\ECD2B.CH
Acq On : 18 Mar 2014 2:06 am Operator: SMURRAY
Sample : MISC @ 20ppb GCPS7-80E Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 16:15 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 17:11:56 2014
Response via : Multiple Level Calibration



Signal: 0317F028.D\ECD1A.CH	
(45) Oxychlordane	Manual Integration:
11.87min 19.856ug/L m	After
response 352144	Baseline/Shoulder
	03/18/14
(45) Oxychlordane #2	
10.23min 20.389ug/L	
response 140231	

(+) = Expected Retention Time
0317F028.D GC23-031714-8081.M

Tue Mar 18 17:12:22 2014

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F029.D\ECD1A.CH Vial: 97
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F029.D\ECD2B.CH
 Acq On : 18 Mar 2014 2:35 am Operator: SMURRAY
 Sample : MISC @ 50ppb GCPS7-80F Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:15:44 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:15:22 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

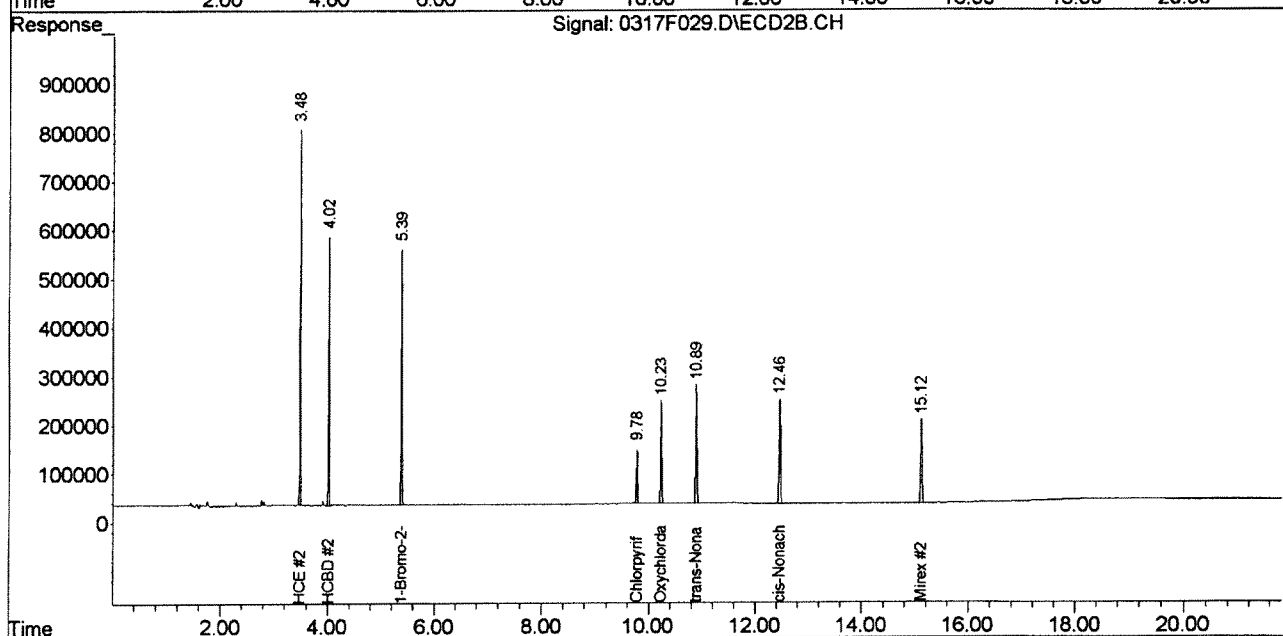
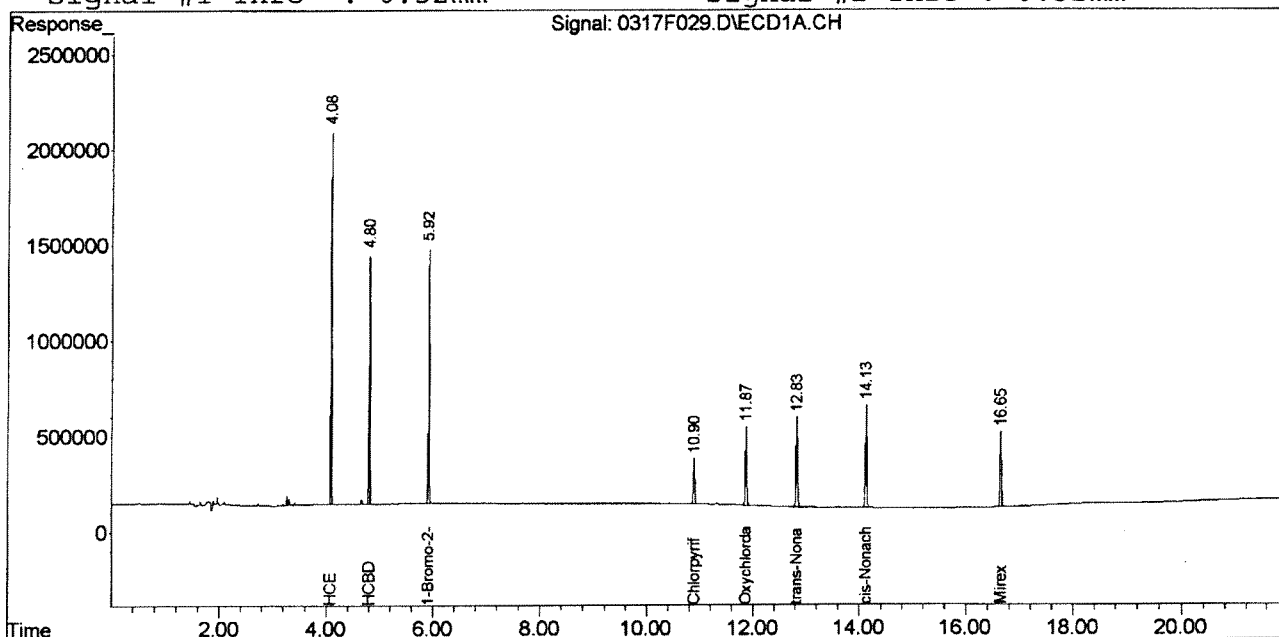
Internal Standards						
43) 1-Bromo-2-nitrob	5.92	5.39	1688440	630441	100.000	100.000
System Monitoring Compounds						
Target Compounds						
44) Chlorpyrifos	10.90	9.78	423969	161610	38.559	44.035
45) Oxychlorane	11.87	10.23	834046	332495	51.185	47.611
46) cis-Nonachlor	14.13	12.46	1011539	426894	48.183	48.703
47) trans-Nonachlor	12.83	10.89	989911	414221	50.030	48.614
48) Mirex	16.65	15.12	739320	318828	40.343	48.594
49) HCE	4.08	3.48	1929609	718478	41.305	53.621 #
50) HCBD	4.80	4.02	1407210	553949	48.008	53.083

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F029.D\ECD1A.CH Vial: 97
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F029.D\ECD2B.CH
 Acq On : 18 Mar 2014 2:35 am Operator: SMURRAY
 Sample : MISC @ 50ppb GCPS7-80F Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 17:12 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:15:22 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F030.D\ECD1A.CH Vial: 98
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F030.D\ECD2B.CH
 Acq On : 18 Mar 2014 3:04 am Operator: SMURRAY
 Sample : MISC @ 75ppb GCPS7-80G Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:15:46 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:15:22 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

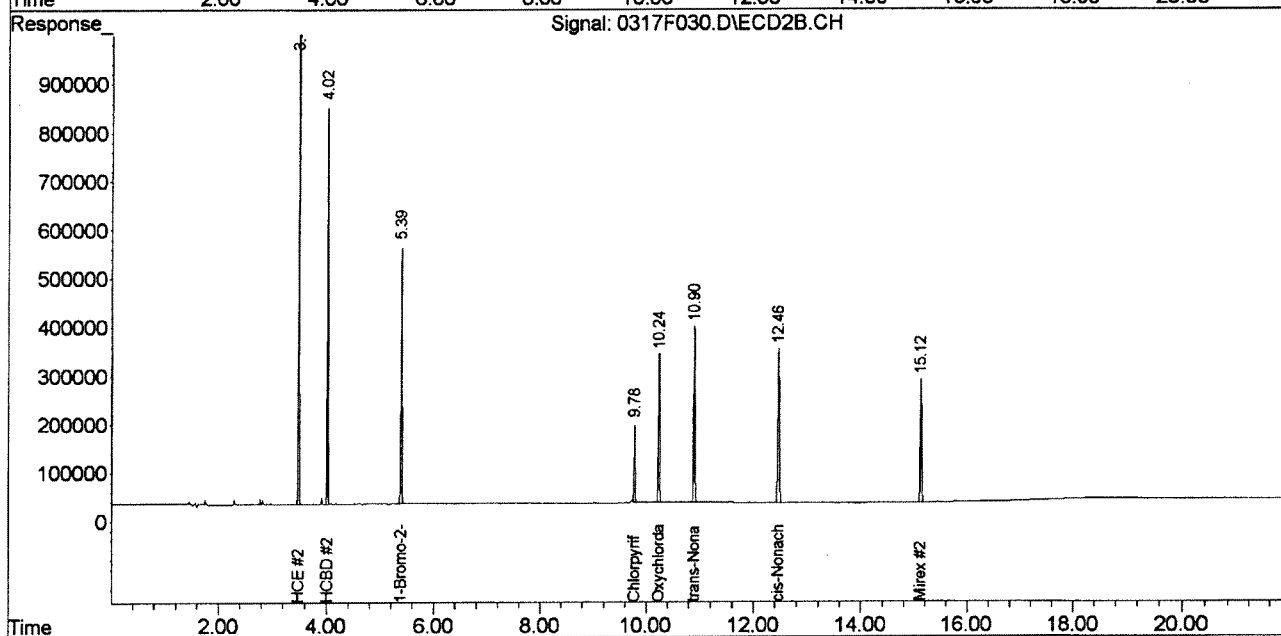
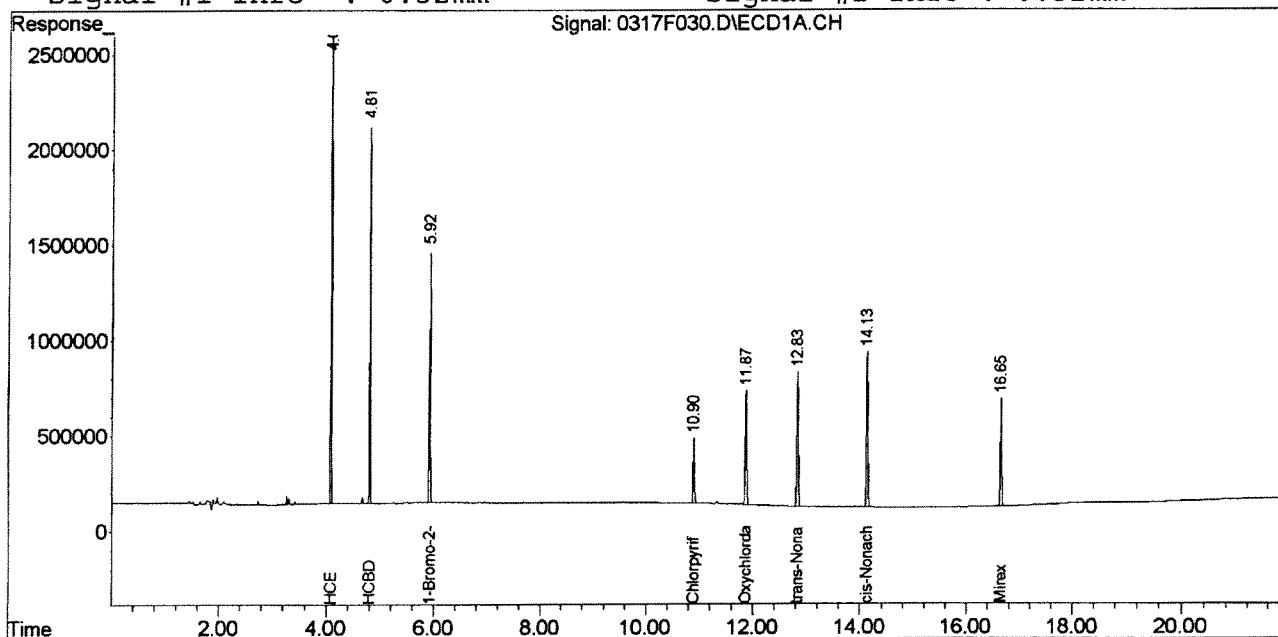
Internal Standards						
43) 1-Bromo-2-nitrob	5.92	5.39	1678555	625235	100.000	100.000
System Monitoring Compounds						
Target Compounds						
44) Chlorpyrifos	10.90	9.78	618607	234261	60.439	69.642
45) Oxychlordane	11.87	10.24	1213756	486485	82.212	70.241
46) cis-Nonachlor	14.13	12.46	1505962	630405	78.491	72.519
47) trans-Nonachlor	12.83	10.90	1457283	609969	80.778	72.183
48) Mirex	16.65	15.12	1073660	457704	64.725	76.654
49) HCE	4.08	3.48	2952761	1076218	63.579	80.988 #
50) HCBd	4.81	4.02	2113366	815398	72.523	78.787

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F030.D\ECD1A.CH Vial: 98
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F030.D\ECD2B.CH
 Acq On : 18 Mar 2014 3:04 am Operator: SMURRAY
 Sample : MISC @ 75ppb GCPS7-80G Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 17:13 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:15:22 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F031.D\ECD1A.CH Vial: 99
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F031.D\ECD2B.CH
 Acq On : 18 Mar 2014 3:32 am Operator: SMURRAY
 Sample : MISC @ 100ppb GCPS7-80H Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 16:15:47 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 16:15:22 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

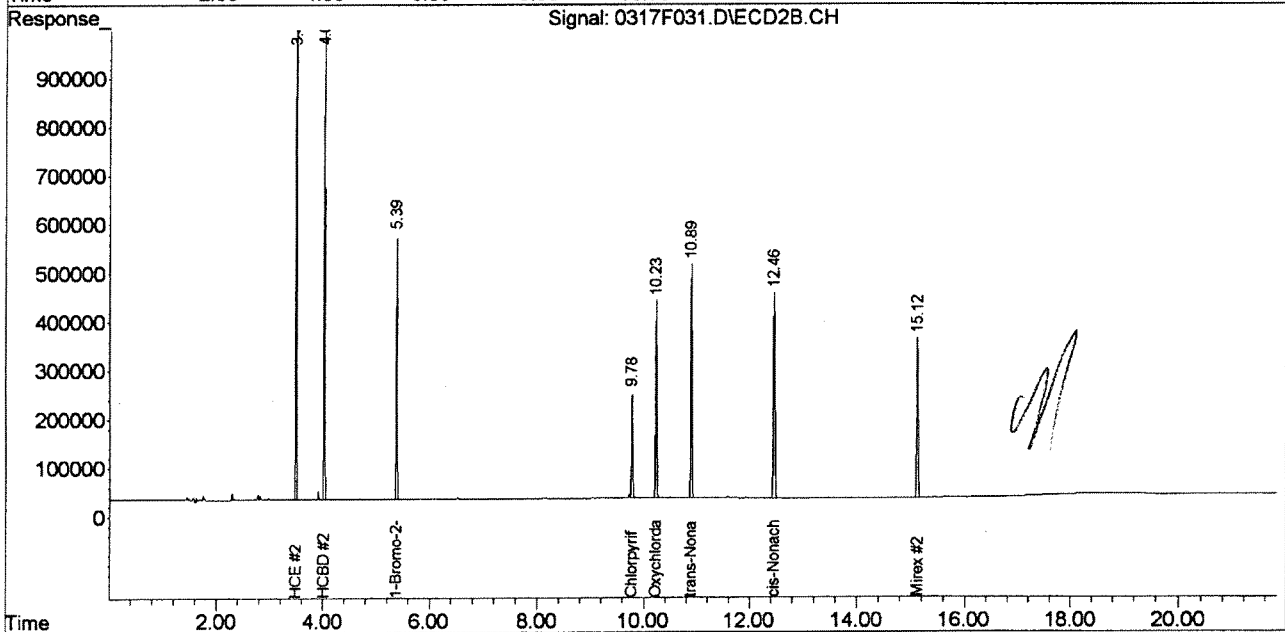
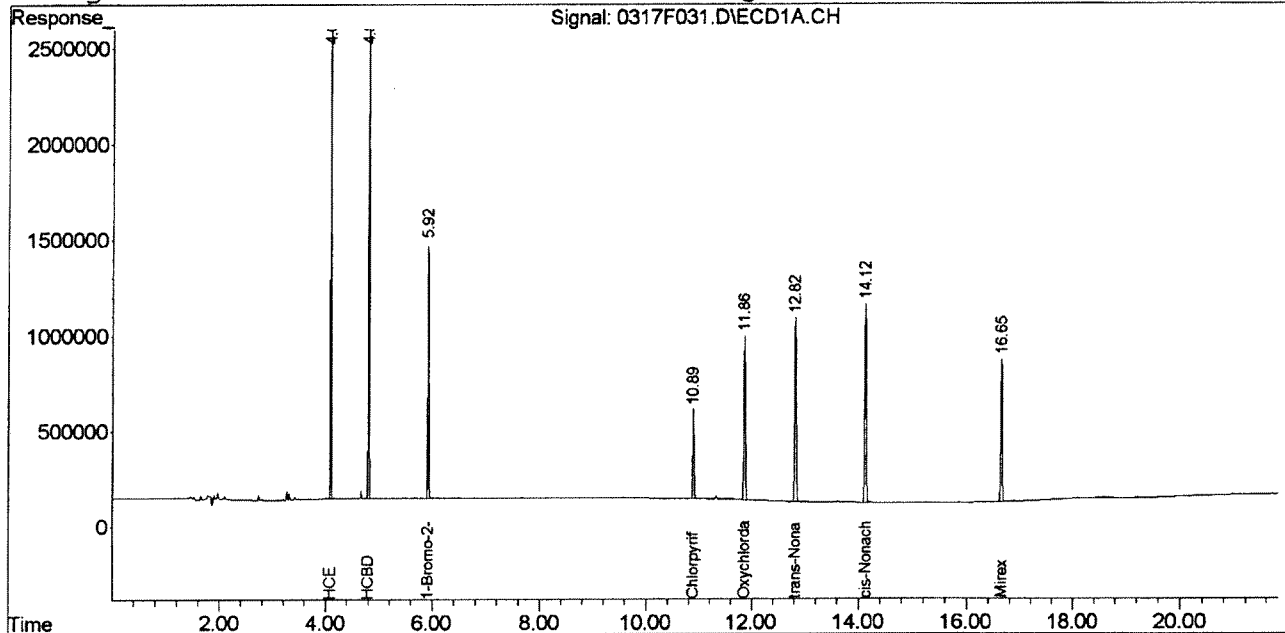
Internal Standards						
43) 1-Bromo-2-nitrob	5.92	5.39	1683568	626859	100.000	100.000
System Monitoring Compounds						
Target Compounds						
44) Chlorpyrifos	10.89	9.78	823475	308397	87.611	102.033
45) Oxychlordane	11.86	10.23	1604044	644803	125.182	92.858 #
46) cis-Nonachlor	14.12	12.46	2031326	840452	119.973	96.432
47) trans-Nonachlor	12.82	10.89	1955552	809400	123.648	95.535
48) Mirex	16.65	15.12	1409906	598485	97.762	113.204
49) HCE	4.08	3.48	4033170	1444172	86.583	108.395 #
50) HCBd	4.80	4.02	2845371	1085795	97.352	104.642

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F031.D\ECD1A.CH Vial: 99
Signal #2 : J:\GC23\DATA\031714ICAL\0317F031.D\ECD2B.CH
Acq On : 18 Mar 2014 3:32 am Operator: SMURRAY
Sample : MISC @ 100ppb GCPS7-80H Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Mar 18 17:13 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
Title : CAL 12895
Last Update : Tue Mar 18 16:15:22 2014
Response via : Multiple Level Calibration
DataAcq Meth : PESTNEW.M

Volume Inj. :
Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F032.D\ECD1A.CH Vial: 100
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F032.D\ECD2B.CH
 Acq On : 18 Mar 2014 4:01 am Operator: SMURRAY
 Sample : MISC @ 40ppb GCPS7-80I @25X Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 17:16:18 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 17:15:57 2014
 Response via : Initial Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

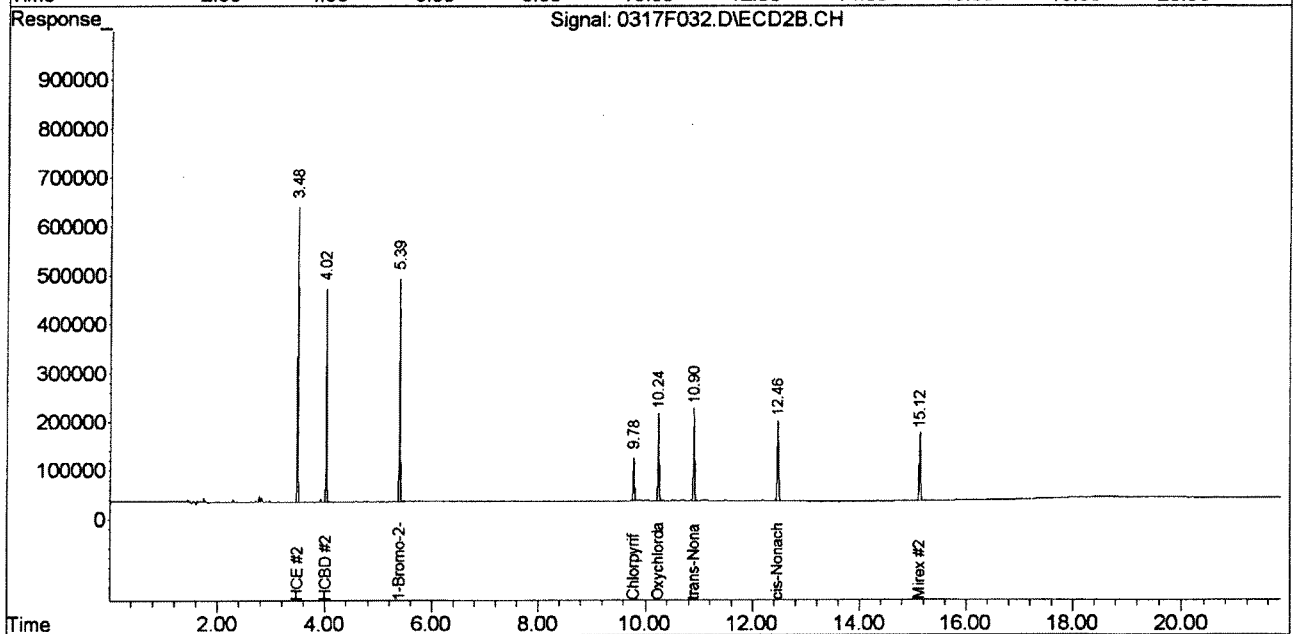
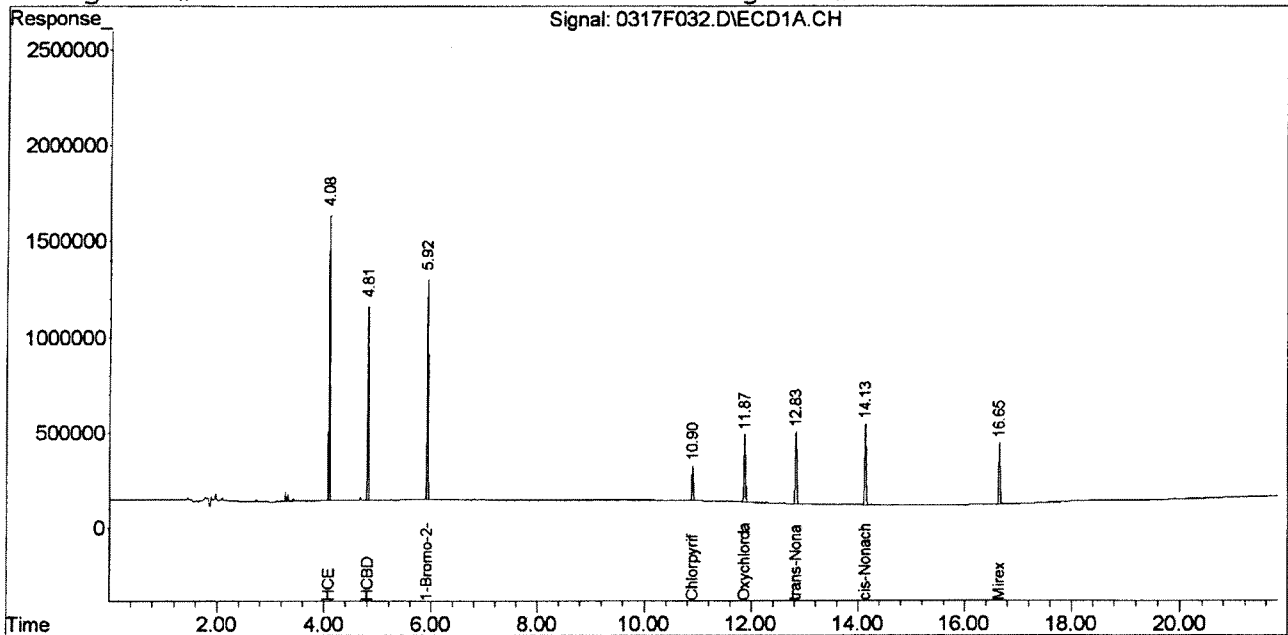
Internal Standards						
43) 1-Bromo-2-nitrob	5.92	5.39	1478261	550640	100.000	100.000
System Monitoring Compounds						
Target Compounds						
44) Chlorpyrifos	10.90	9.78	339361	127294	42.562	43.860
45) Oxychlorane	11.87	10.24	721290	287983	45.680	45.738
46) cis-Nonachlor	14.13	12.46	802361	336027	42.365	42.381
47) trans-Nonachlor	12.83	10.90	780393	324621	41.323	42.071
48) Mirex	16.65	15.12	596911	256860	42.233	45.626
49) HCE	4.08	3.48	1499678	563707	42.949	44.164
50) HCB	4.81	4.02	1104902	432938	41.365	42.327

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\031714ICAL\0317F032.D\ECD1A.CH Vial: 100
 Signal #2 : J:\GC23\DATA\031714ICAL\0317F032.D\ECD2B.CH
 Acq On : 18 Mar 2014 4:01 am Operator: SMURRAY
 Sample : MISC @ 40ppb GCPS7-80I @25X Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Mar 18 17:16 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 12895
 Last Update : Tue Mar 18 17:15:57 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PESTNEW.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Exception Report

Data File: J:\GC23\DATA\061114\0611F073.D
Lab ID: KWG1405590-3
RunType: CCV
Matrix: MARINE SEDIMENT

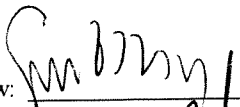
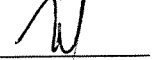
Date Acquired: 06/11/2014 17:13
Date Quantitated: 06/11/2014 18:06
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Second Source ICAL Verification	Endrin Aldehyde	21.1	NA	20	IC
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	9461.666666	87846.666666	MR
	1-Bromo-2-nitrobenzene {3}	0	2579.916666	90319.666666	
	1-Bromo-2-nitrobenzene {4}	0	823706.5	3294826	

Primary Review: 
 Secondary Review: 

Exception Report

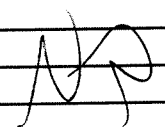
Data File: J:\GC23\DATA\061114\0611F073.D\0611F073C.D
Lab ID: KWG1405590-3
RunType: CCV
Matrix: MARINE SEDIMENT

Date Acquired: 06/11/2014 17:13
Date Quantitated: 06/11/2014 18:06
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene {2}	0	317634	1270536	
	1-Bromo-2-nitrobenzene {3}	0	321991.5	1287966	
	1-Bromo-2-nitrobenzene {4}	0	5189.083333	24756.33333	

Primary Review: _____

Secondary Review: _____

Quantitation Report

Data File #1:	J:\GC23\DATA\061114\0611F073.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F073.D\0611F073c.d	Vial:	2
Acqu Date:	06/11/2014 17:13	Quant Date:	06/11/2014 18:06
Run Type:	CCV	Dilution:	1.0
Lab ID:	KWG1405590-3	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:		Tier:		Matrix:	MARINE SEDIMENT
Prod Code:	8081B PEST OC	Collect Date:		Receive Date:	06/12/2014

Analysis Lot:	KWG1405590	Prep Lot:		Report Group:	
Analysis Method:	8081B	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL13214
Title:		Method ID:	MJ1013
MB Ref:		Quant based on Method	

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	6.06 ^{-0.10}	5.48 ^{-0.07}	2197519	872871	100.00	100.00
2	1-Bromo-2-nitrobenzene {2}			0d	0d	100.00	100.00
3	1-Bromo-2-nitrobenzene {3}			0d	0d	100.00	100.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	100.00	100.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2	Rpt
1	Tetrachloro-m-xylene	8.81	7.27	1150555	510946	43.58	44.36	NA
				%Recovery =		NA	NA	Limits = 20-106
1	Decachlorobiphenyl	18.50	17.07	1111406	441533	47.02	45.22	NA
				%Recovery =		NA	NA	Limits = 19-127

Target Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	Final Conc. Units:		Rpt
						ug/L #1	ug/L #2	
1	alpha-BHC	9.65	8.50	1629701	695090	48.08	50.09	
1	Hexachlorobenzene	9.81	8.28	1390139	620311	46.18	46.56	
1	beta-BHC	10.92	9.78	720596	301758	51.36	47.26	
1	gamma-BHC (Lindane)	10.32	9.25	1524475	633876	48.85	49.49	
1	delta-BHC	11.43	10.31	1526331	635183	50.33	50.51	
1	Heptachlor	11.52	9.93	1430073	587931	47.21	49.17	
1	Aldrin	12.06	10.52	1387655	609112	44.94	46.09	
1	Isodrin	12.59	11.32	1138576	488429	44.07	44.55	
1	Heptachlor Epoxide	12.78	11.60	1283570	541184	45.05	46.05	

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC23\DATA\061114\0611F073.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F073.D\0611F073c.d	Vial:	2
Acqu Date:	06/11/2014 17:13	Quant Date:	06/11/2014 18:06
Run Type:	CCV	Dilution:	1.0
Lab ID:	KWG1405590-3	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Target Compounds

Final Conc. Units: ug/L

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/L #1	ug/L #2	Rpt
1	gamma-Chlordane	13.30	11.98	1288007	570420	44.70	46.46			
1	Endosulfan I	13.43	12.19	1168518	500871	45.48	47.14			
1	alpha-Chlordane	13.38	12.13	1261972	545462	44.39	45.36			
1	Dieldrin	13.85	12.64	1267421	547634	46.06	45.69			
1	4,4'-DDE	13.66	12.49	1267612	573125	45.82	48.18			
1	Endrin	14.22	13.12	1128872	487166	47.24	47.25			
1	Endosulfan II	14.66	13.55	1140484	480727	48.01	48.74			
1	4,4'-DDD	14.50	13.38	1069745	461335	47.36	49.67			
1	Endrin Aldehyde	14.84	13.92	917940	398579	58.92	52.41			
1	Endosulfan Sulfate	15.32	14.24	1096359	462455	52.10	50.29			
1	4,4'-DDT	15.00	13.80	1154871	477544	57.50	54.29			
1	Endrin Ketone	16.00	15.19	1399906	579100	52.72	51.10			
1	Methoxychlor	15.74	14.91	639363	252403	60.00	56.19			
1	2,4'-DDE	13.07	12.02	802236	348552	43.69	45.17			
1	2,4'-DDD	13.81	12.79	731371	310522	43.75	44.18			
1	2,4'-DDT	14.30	13.21	887965	372660	50.99	49.91			
	Toxaphene			0	0	0.0000	0.0000			NR
2	Toxaphene {1}			0d	0d	0.0000	0.0000			
				0d	0d	0.0000	0.0000			
2	Toxaphene {2}			0d	0d	0.0000	0.0000			
2	Toxaphene {3}			0d	0d	0.0000	0.0000			
2	Toxaphene {4}			0d	0d	0.0000	0.0000			
				0d	0d	0.0000	0.0000			
2	Toxaphene {5}			0d	0d	0.0000	0.0000			
2	Toxaphene {6}			0d	0d	0.0000	0.0000			
	Chlordane			0	0	0.0000	0.0000			NR
				0d	0d	0.0000	0.0000			
3	Chlordane {1}			0d	0d	0.0000	0.0000			
3	Chlordane {2}			0d	0d	0.0000	0.0000			
3	Chlordane {3}			0d	0d	0.0000	0.0000			
				0d	0d	0.0000	0.0000			
3	Chlordane {4}			0d	0d	0.0000	0.0000			
3	Chlordane {5}			0d	0d	0.0000	0.0000			
3	Chlordane {6}			0d	0d	0.0000	0.0000			
				0d	0d	0.0000	0.0000			
4	Chlorpyrifos			0d	0d	0.0000	0.0000			NR
4	Oxychlordane			0d	0d	0.0000	0.0000			NR
4	cis-Nonachlor			0d	0d	0.0000	0.0000			NR
				0d	0d	0.0000	0.0000			NR
4	trans-Nonachlor			0d	0d	0.0000	0.0000			NR
4	Mirex			0d	0d	0.0000	0.0000			NR
4	Hexachloroethane			0d	0d	0.0000	0.0000			NR
				0d	0d	0.0000	0.0000			NR
4	Hexachlorobutadiene			0d	0d	0.0000	0.0000			NR
4	Alachlor			0d	0d	0.0000	0.0000			

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL, also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Signal #1 : J:\GC23\DATA\061114\0611F073.D\ECD1A.CH Vial: 2
 Signal #2 : J:\GC23\DATA\061114\0611F073.D\ECD2B.CH
 Acq On : 11 Jun 2014 5:13 pm Operator: SMURRAY
 Sample : 81/24 @ 50ppb GCPS7-73G Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 11 18:06:06 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Wed Jun 11 17:22:36 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

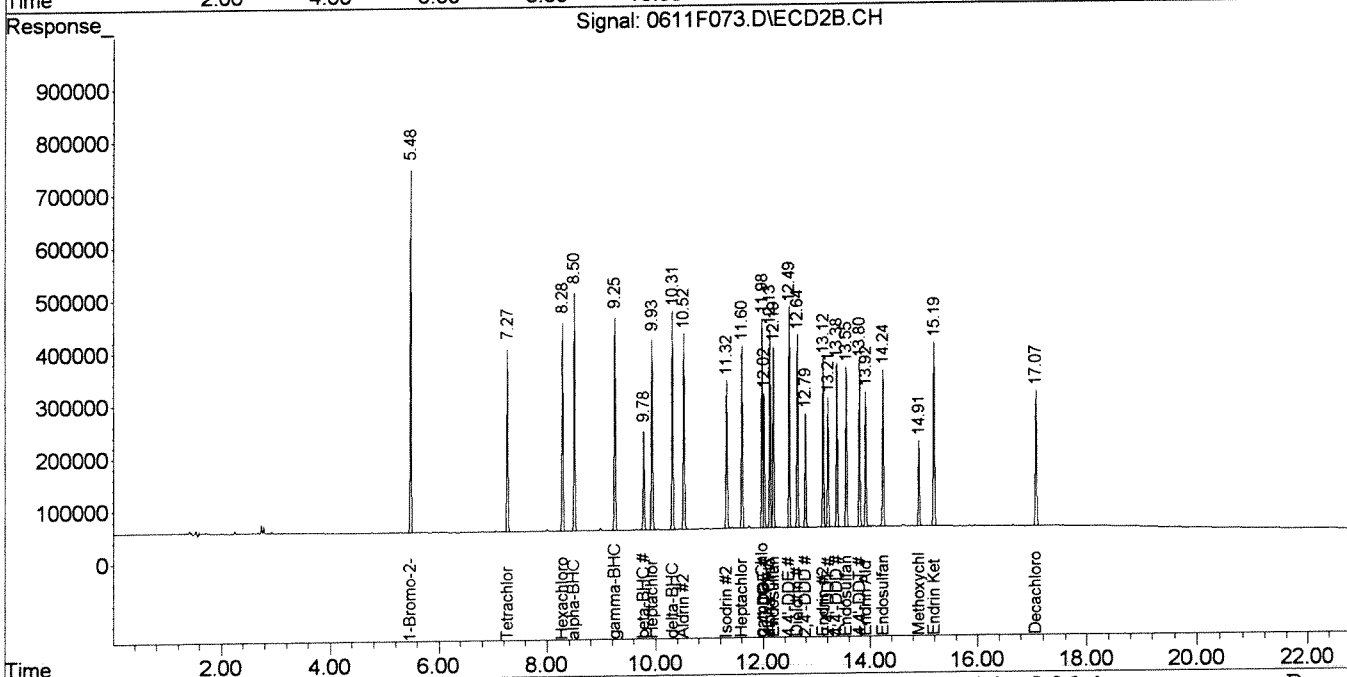
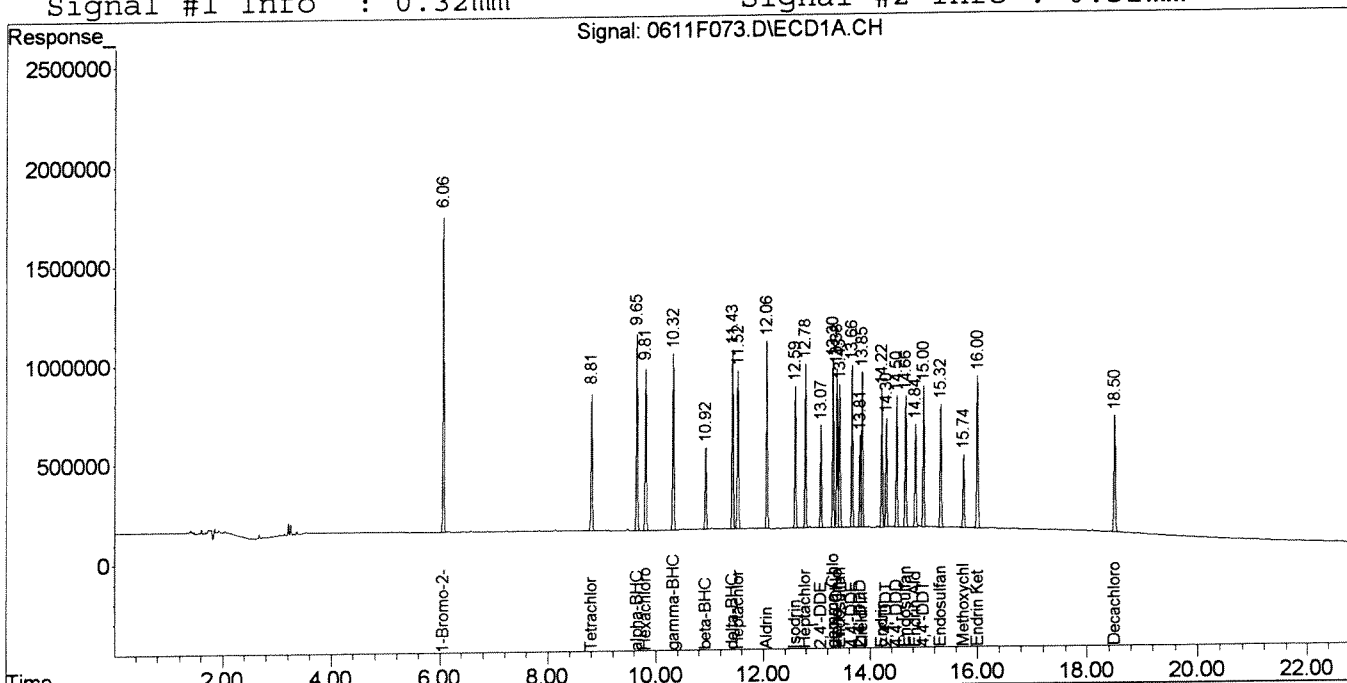
Internal Standards						
1) i 1-Bromo-2-nitrob	6.06	5.48	2197519	872871	100.000	100.000
System Monitoring Compounds						
2) s Tetrachloro-m-xy	8.81	7.27	1150555	510946	43.578	44.358
28) s Decachlorobiphen	18.50	17.07	1111406	441533	47.018	45.222
Target Compounds						
3) alpha-BHC	9.65	8.50	1629701	695090	48.075	50.088
4) Hexachlorobenzen	9.81	8.28	1390139	620311	46.176	46.558
5) beta-BHC	10.92	9.78	720596	301758	51.361	47.256
6) gamma-BHC (Linda)	10.32	9.25	1524475	633876	48.851	49.491
7) delta-BHC	11.43	10.31	1526331	635183	50.330	50.505
8) Heptachlor	11.52	9.93	1430073	587931	47.206	49.170
9) Aldrin	12.06	10.52	1387655	609112	44.942	46.092
10) Isodrin	12.59	11.32	1138576	488429	44.067	44.552
11) Heptachlor Epoxi	12.78	11.60	1283570	541184	45.050	46.051
12) gamma-Chlordane	13.30	11.98	1288007	570420	44.699	46.463
13) Endosulfan I	13.43	12.19	1168518	500871	45.482	47.139
14) alpha-Chlordane	13.38	12.13	1261972	545462	44.393	45.358
15) Dieldrin	13.85	12.64	1267421	547634	46.055	45.692
16) 4,4'-DDE	13.66	12.49	1267612	573125	45.815	48.177
17) Endrin	14.22	13.12	1128872	487166	47.242	47.254
18) Endosulfan II	14.66	13.55	1140484	480727	48.009	48.744
19) 4,4'-DDD	14.50	13.38	1069745	461335	47.355	49.672
20) Endrin Aldehyde	14.84	13.92	917940	398579	58.918	52.408
21) Endosulfan Sulfa	15.32	14.24	1096359	462455	52.102	50.290
22) 4,4'-DDT	15.00	13.80	1154871	477544	57.502	54.285
23) Endrin Ketone	16.00	15.19	1399906	579100	52.723	51.097
24) Methoxychlor	15.74	14.91	639363	252403	60.000	56.191
25) 2,4'-DDE	13.07	12.02	802236	348552	43.686	45.173
26) 2,4'-DDD	13.81	12.79	731371	310522	43.748	44.175
27) 2,4'-DDT	14.30	13.21	887965	372660	50.988	49.905

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F073.D\ECD1A.CH Vial: 2
 Signal #2 : J:\GC23\DATA\061114\0611F073.D\ECD2B.CH
 Acq On : 11 Jun 2014 5:13 pm Operator: SMURRAY
 Sample : 81/24 @ 50ppb GCPS7-73G Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 11 18:06 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Wed Jun 11 17:22:36 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Exception Report

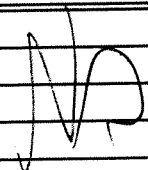
Data File: J:\GC23\DATA\061114\0611F074.D
Lab ID: KWG1405590-3
RunType: CCV
Matrix: MARINE SEDIMENT

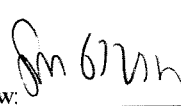
Date Acquired: 06/11/2014 17:43
Date Quantitated: 06/12/2014 08:05
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

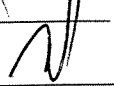
Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Second Source ICAL Verification	Endrin Aldehyde	21.1	NA	20	
Internal Standards	1-Bromo-2-nitrobenzene	0	3664.166666	54656.66666	
	1-Bromo-2-nitrobenzene {3}	0	2579.916666	30319.66666	
	1-Bromo-2-nitrobenzene {4}	0	823706.5	3294826	

Primary Review: 

Secondary Review: 

Exception Report

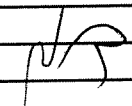
Data File: J:\GC23\DATA\061114\0611F074.D\0611F074C.D
Lab ID: KWG1405590-3
RunType: CCV
Matrix: MARINE SEDIMENT

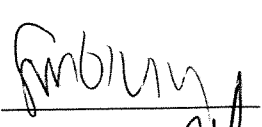
Date Acquired: 06/11/2014 17:43
Date Quantitated: 06/12/2014 08:05
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene	0	1685.333333	16741.333333	
	1-Bromo-2-nitrobenzene {3}	0	321991.5	1287966	
	1-Bromo-2-nitrobenzene {4}	0	189.083333	24756.333333	

Primary Review: 

Secondary Review: _____

Quantitation Report

Data File #1:	J:\GC23\DATA\061114\0611F074.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F074.D\0611F074c.d	Vial:	3
Acqu Date:	06/11/2014 17:43	Quant Date:	06/12/2014 08:05
Run Type:	CCV	Dilution:	1.0
Lab ID:	KWG1405590-3	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:		Tier:		Matrix:	MARINE SEDIMENT
Prod Code:	8081B PEST OC	Collect Date:		Receive Date:	06/12/2014

Analysis Lot:	KWG1405590	Prep Lot:		Report Group:	
Analysis Method:	8081B	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL13214
Title:		Method ID:	MJ1013
MB Ref:		Quant based on Method	

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene			0d	0d	100.00	100.00
2	1-Bromo-2-nitrobenzene {2}	6.06 ^{+0.14}	5.48 ^{+0.09}	2302016	909614	100.00	100.00
3	1-Bromo-2-nitrobenzene {3}			0d	0d	100.00	100.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	100.00	100.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2	Rpt
1	Tetrachloro-m-xylene	0.00		0d	0d		0.0000	NR
				%Recovery =		NA	NA	Limits = 20-106
1	Decachlorobiphenyl	0.00		0d	0d		0.0000	NR
				%Recovery =		NA	NA	Limits = 19-127

Target Compounds

								Final Conc. Units: ug/L		
IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/L #1	ug/L #2	Rpt
1	alpha-BHC			0d	0d	0.0000	0.0000			NR
1	Hexachlorobenzene			0d	0d	0.0000	0.0000			NR
1	beta-BHC			0d	0d	0.0000	0.0000			NR
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000			NR
1	delta-BHC			0d	0d	0.0000	0.0000			NR
1	Heptachlor			0d	0d	0.0000	0.0000			NR
1	Aldrin			0d	0d	0.0000	0.0000			NR
1	Isodrin			0d	0d	0.0000	0.0000			NR
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000			NR

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC23\DATA\061114\0611F074.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F074.D\0611F074c.d	Vial:	3
Acqu Date:	06/11/2014 17:43	Quant Date:	06/12/2014 08:05
Run Type:	CCV	Dilution:	1.0
Lab ID:	KWG1405590-3	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Target Compounds

Final Conc. Units: ug/L

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/L #1	ug/L #2	Rpt
1	gamma-Chlordane			0d	0d	0.0000	0.0000			NR
1	Endosulfan I			0d	0d	0.0000	0.0000			NR
1	alpha-Chlordane			0d	0d	0.0000	0.0000			NR
1	Dieldrin			0d	0d	0.0000	0.0000			NR
1	4,4'-DDE			0d	0d	0.0000	0.0000			NR
1	Endrin			0d	0d	0.0000	0.0000			NR
1	Endosulfan II			0d	0d	0.0000	0.0000			NR
1	4,4'-DDD			0d	0d	0.0000	0.0000			NR
1	Endrin Aldehyde			0d	0d	0.0000	0.0000			NR
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000			NR
1	4,4'-DDT			0d	0d	0.0000	0.0000			NR
1	Endrin Ketone			0d	0d	0.0000	0.0000			NR
1	Methoxychlor			0d	0d	0.0000	0.0000			NR
1	2,4'-DDE			0d	0d	0.0000	0.0000			NR
1	2,4'-DDD			0d	0d	0.0000	0.0000			NR
1	2,4'-DDT			0d	0d	0.0000	0.0000			NR
	Toxaphene			0	0	1,033	1,018			
2	Toxaphene {1}	14.60	13.60	148929m	170408m	979.18	962.91			
2	Toxaphene {2}	14.66	13.67	203968m	69102m	909.32	990.69			
2	Toxaphene {3}	14.78	13.94	518321	95322m	986.66	1,013			
2	Toxaphene {4}	14.85	14.29	338521	109535m	1,012	958.06			
2	Toxaphene {5}	15.19	14.67	347198	228227	1,018	1,072			
2	Toxaphene {6}	16.07	14.88	583180m	172117m	1,292	1,109			
	Chlordane			0	0	0.0000	0.0000			NR
3	Chlordane {1}			0d	0d	0.0000	0.0000			
3	Chlordane {2}			0d	0d	0.0000	0.0000			
3	Chlordane {3}			0d	0d	0.0000	0.0000			
3	Chlordane {4}			0d	0d	0.0000	0.0000			
3	Chlordane {5}			0d	0d	0.0000	0.0000			
3	Chlordane {6}			0d	0d	0.0000	0.0000			
4	Chlorpyrifos			0d	0d	0.0000	0.0000			NR
4	Oxychlordane			0d	0d	0.0000	0.0000			NR
4	cis-Nonachlor			0d	0d	0.0000	0.0000			NR
4	trans-Nonachlor			0d	0d	0.0000	0.0000			NR
4	Mirex			0d	0d	0.0000	0.0000			NR
4	Hexachloroethane			0d	0d	0.0000	0.0000			NR
4	Hexachlorobutadiene			0d	0d	0.0000	0.0000			NR
4	Alachlor			0d	0d	0.0000	0.0000			NR

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Signal #1 : J:\GC23\DATA\061114\0611F074.D\ECD1A.CH Vial: 3
 Signal #2 : J:\GC23\DATA\061114\0611F074.D\ECD2B.CH
 Acq On : 11 Jun 2014 5:43 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:04:01 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

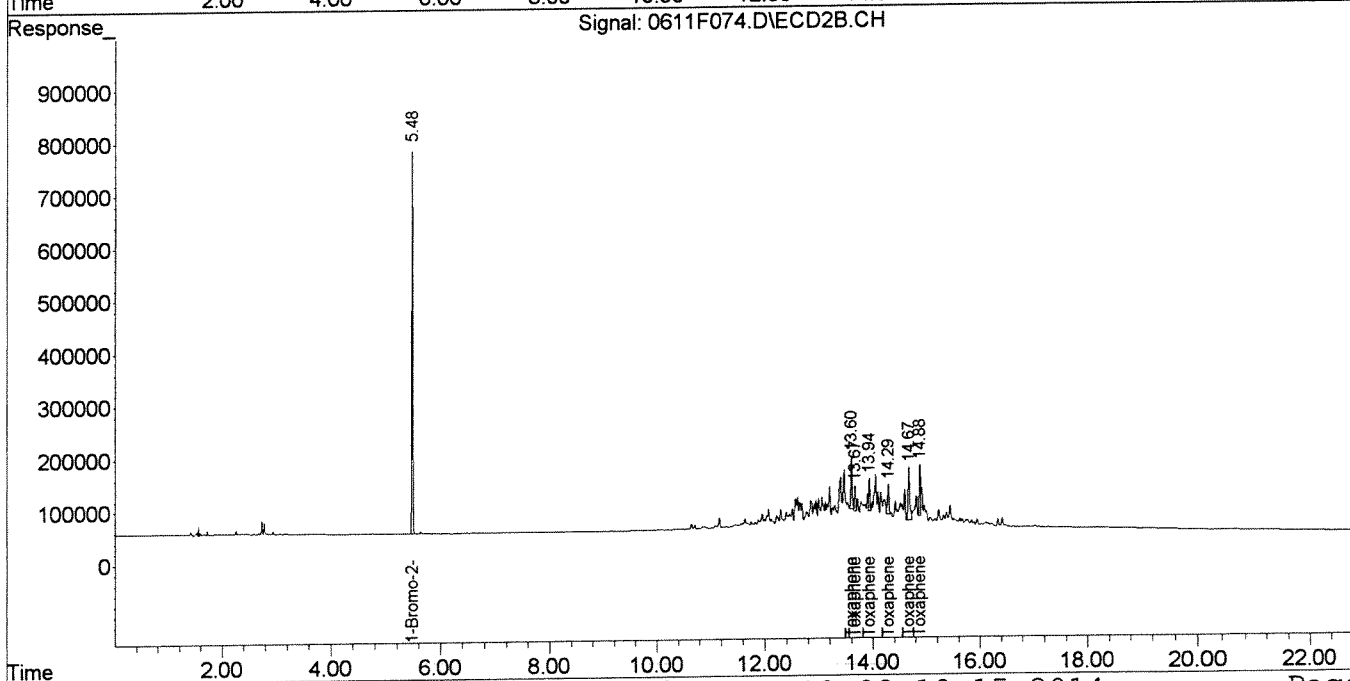
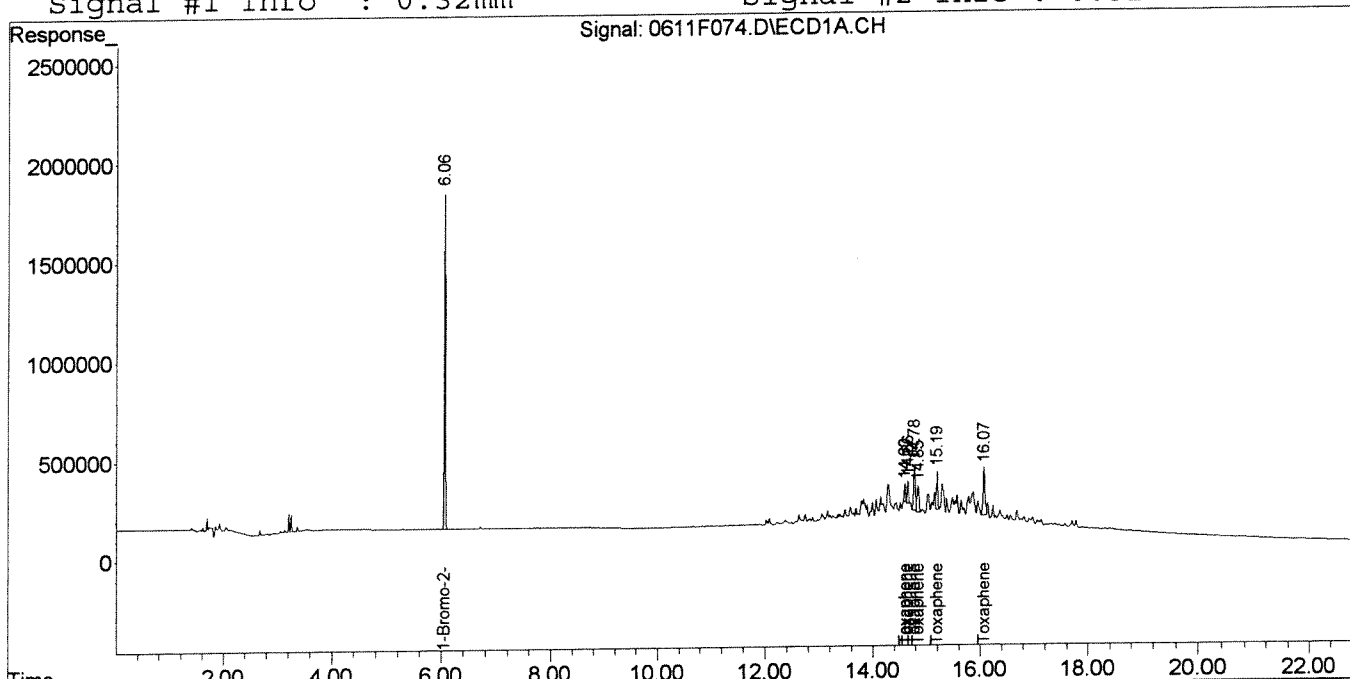
Internal Standards						
29) 1-Bromo-2-nitrob	6.06	5.48	2302016	909614	100.000	100.000
System Monitoring Compounds						
Target Compounds						
30) Toxaphene	14.60	13.60	148929	170408	979.176m	962.908m
31) Toxaphene {2}	14.66	13.67	203968	69102	909.316m	990.690m
32) Toxaphene {3}	14.78	13.94	518321	95322	986.656	1013.006m
33) Toxaphene {4}	14.85	14.29	338521	109535	1012.277	958.061m
34) Toxaphene {5}	15.19	14.67	347198	228227	1018.014	1071.696
35) Toxaphene {6}	16.07	14.88	583180	172117	1292.256m	1109.185m

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F074.D\ECD1A.CH Vial: 3
 Signal #2 : J:\GC23\DATA\061114\0611F074.D\ECD2B.CH
 Acq On : 11 Jun 2014 5:43 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:05 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

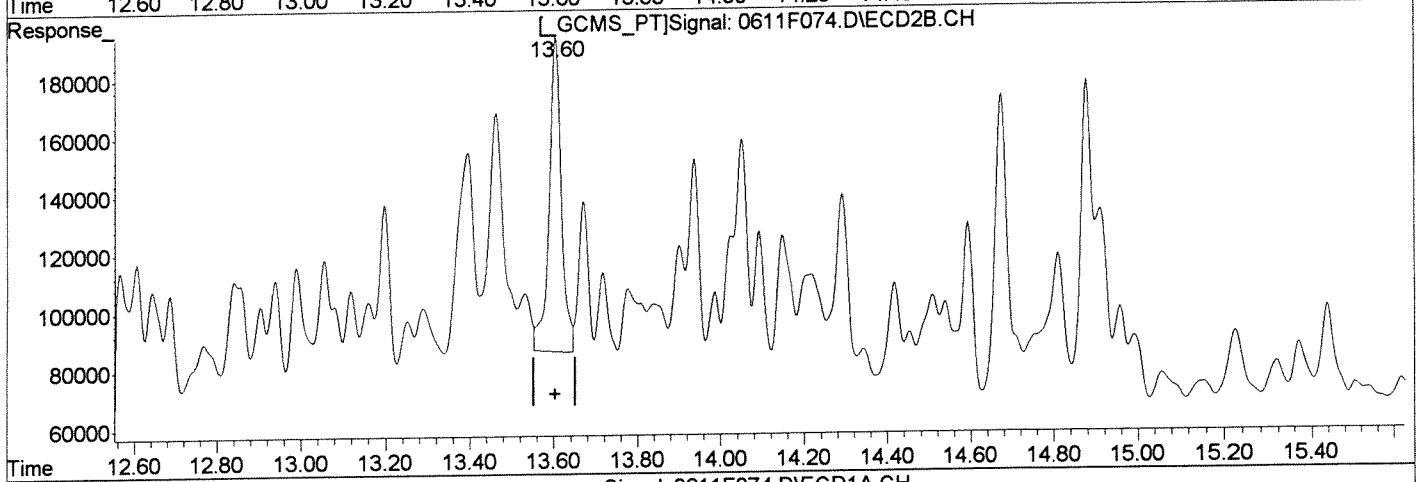
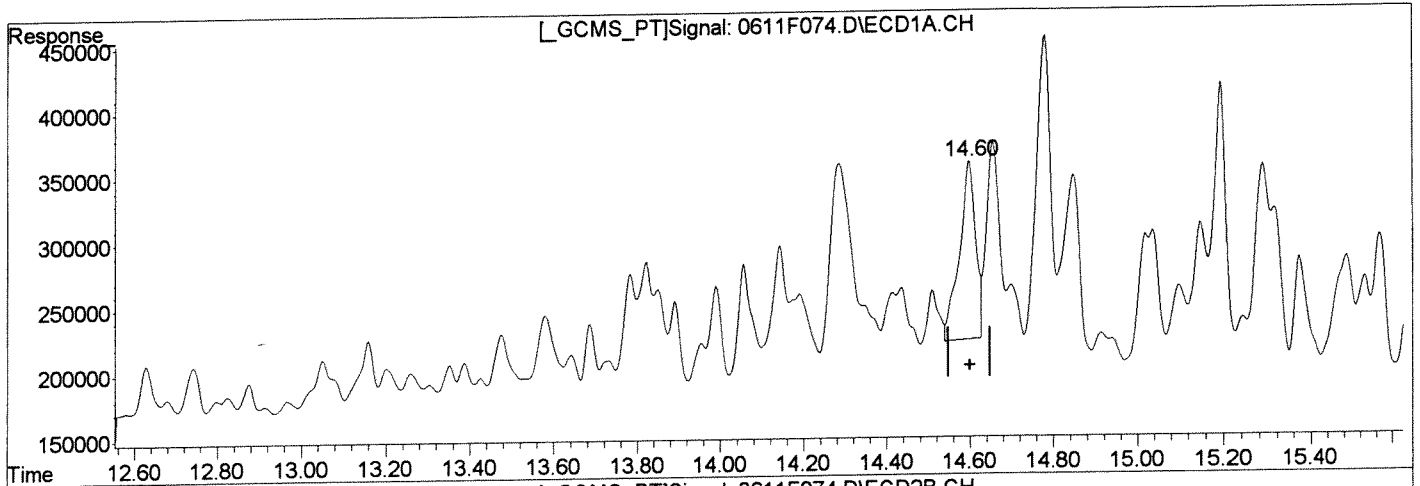
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F074.D\ECD1A.CH Vial: 3
Signal #2 : J:\GC23\DATA\061114\0611F074.D\ECD2B.CH
Acq On : 11 Jun 2014 5:43 pm Operator: SMURRAY
Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:04 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F074.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
(30) Toxaphene	2402.886	365470
(30) Toxaphene #2	1222.773	216397

Manual Integration:
Before
06/12/14

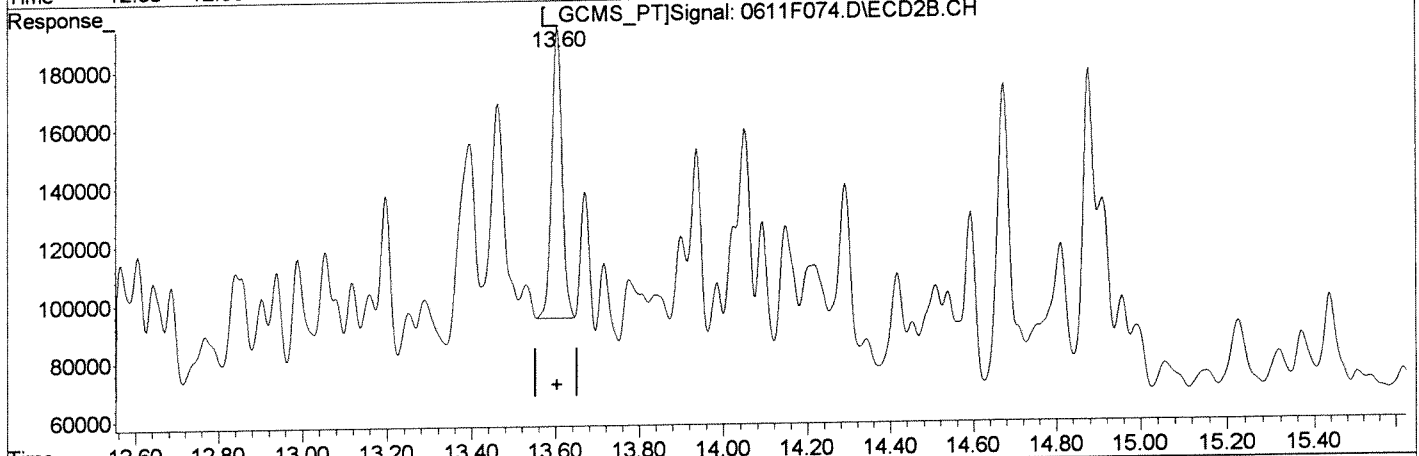
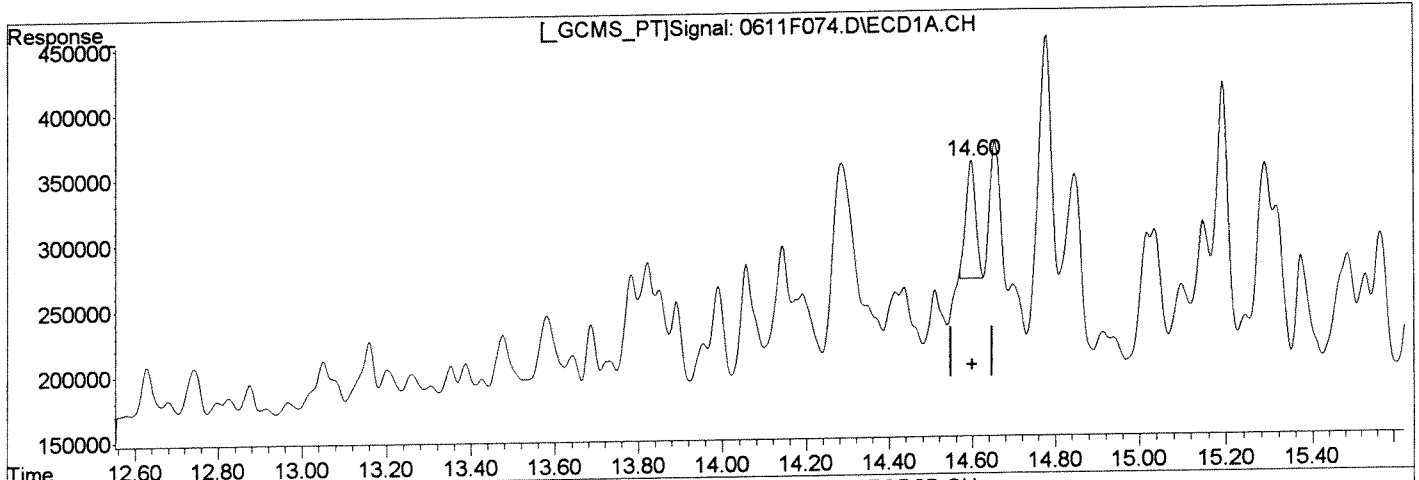
(+) = Expected Retention Time
0611F074.D GC23-031714-8081.M

Thu Jun 12 08:04:26 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F074.D\ECD1A.CH Vial: 3
Signal #2 : J:\GC23\DATA\061114\0611F074.D\ECD2B.CH
Acq On : 11 Jun 2014 5:43 pm Operator: SMURRAY
Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:04 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F074.D\ECD1A.CH

(30) Toxaphene	Manual Integration:
14.60min 979.176ug/L m	After
response 148929	Baseline/Shoulder
	06/12/14
(30) Toxaphene #2	
13.60min 962.908ug/L m	
response 170408	

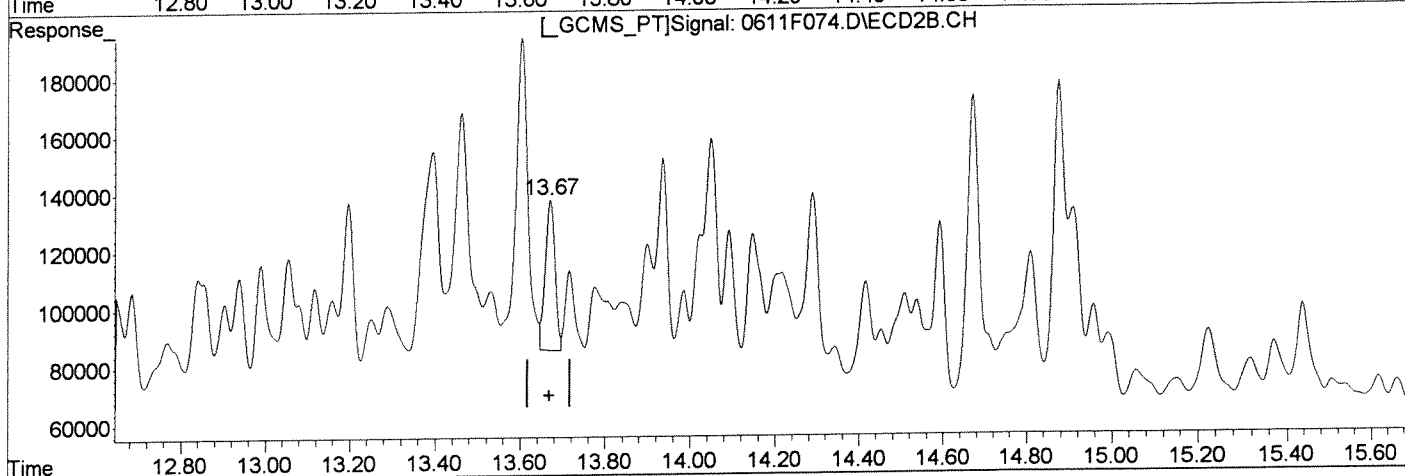
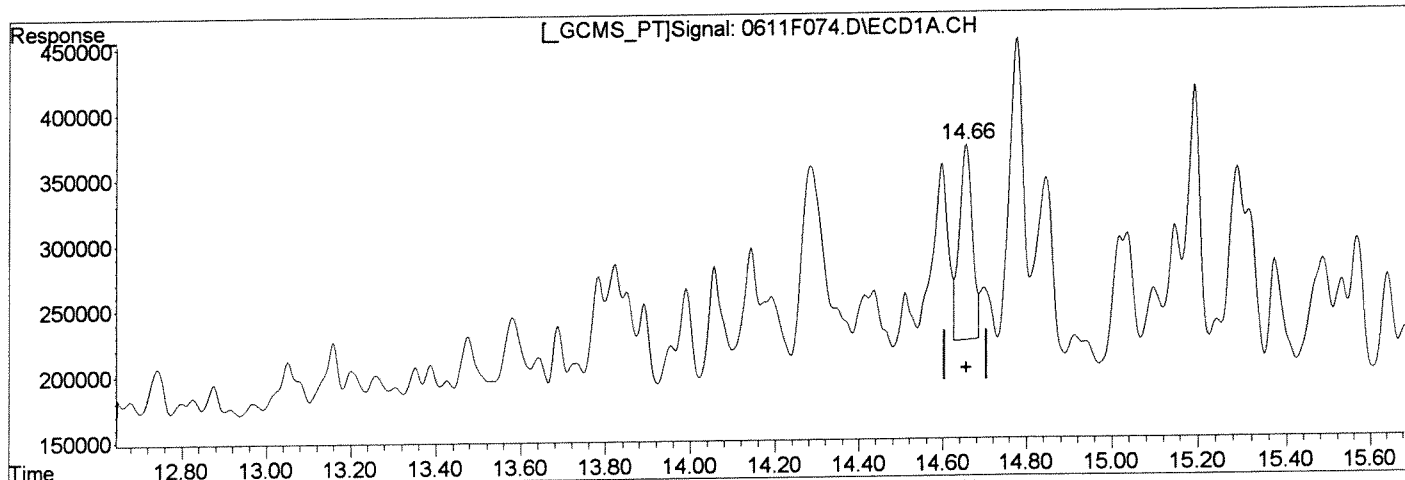
(+) = Expected Retention Time
0611F074.D GC23-031714-8081.M

Thu Jun 12 08:04:50 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F074.D\ECD1A.CH Vial: 3
 Signal #2 : J:\GC23\DATA\061114\0611F074.D\ECD2B.CH
 Acq On : 11 Jun 2014 5:43 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:04 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F074.D\ECD1A.CH

(31) Toxaphene {2}	Manual Integration:
14.66min 1458.802ug/L	Before
response 327223	06/12/14
(31) Toxaphene {2} #2	
13.67min 1167.933ug/L	
response 81465	

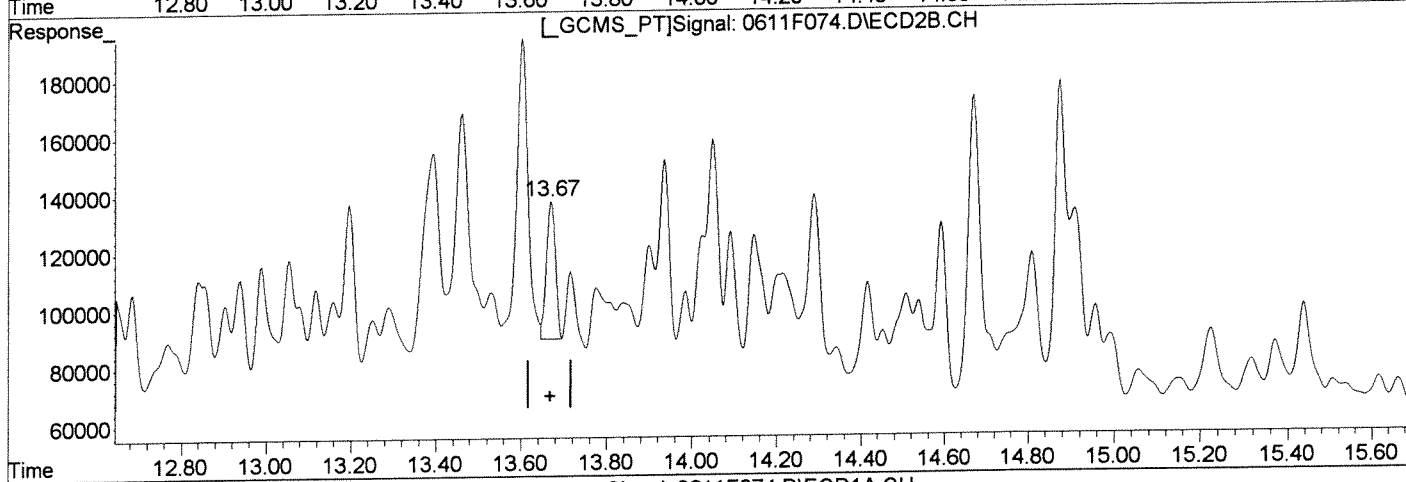
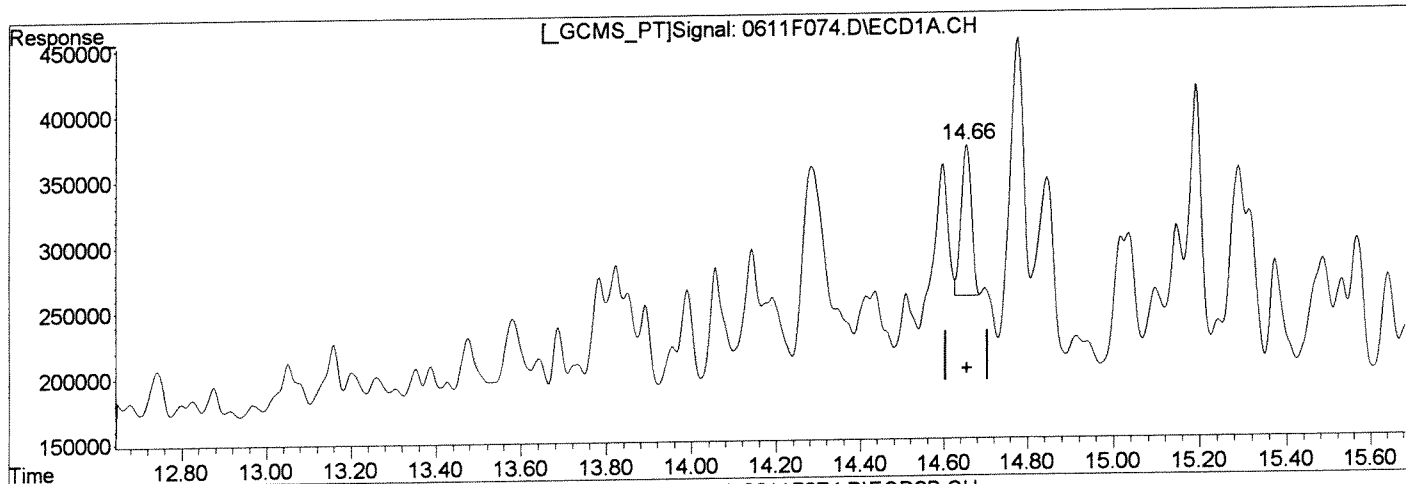
(+) = Expected Retention Time
 0611F074.D GC23-031714-8081.M

Thu Jun 12 08:04:52 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F074.D\ECD1A.CH Vial: 3
 Signal #2 : J:\GC23\DATA\061114\0611F074.D\ECD2B.CH
 Acq On : 11 Jun 2014 5:43 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:04 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F074.D\ECD1A.CH		Manual Integration:
(31) Toxaphene {2}		After
14.66min	909.316ug/L m	Baseline/Shoulder
response	203968	06/12/14
(31) Toxaphene {2} #2		
13.67min	990.690ug/L m	
response	69102	

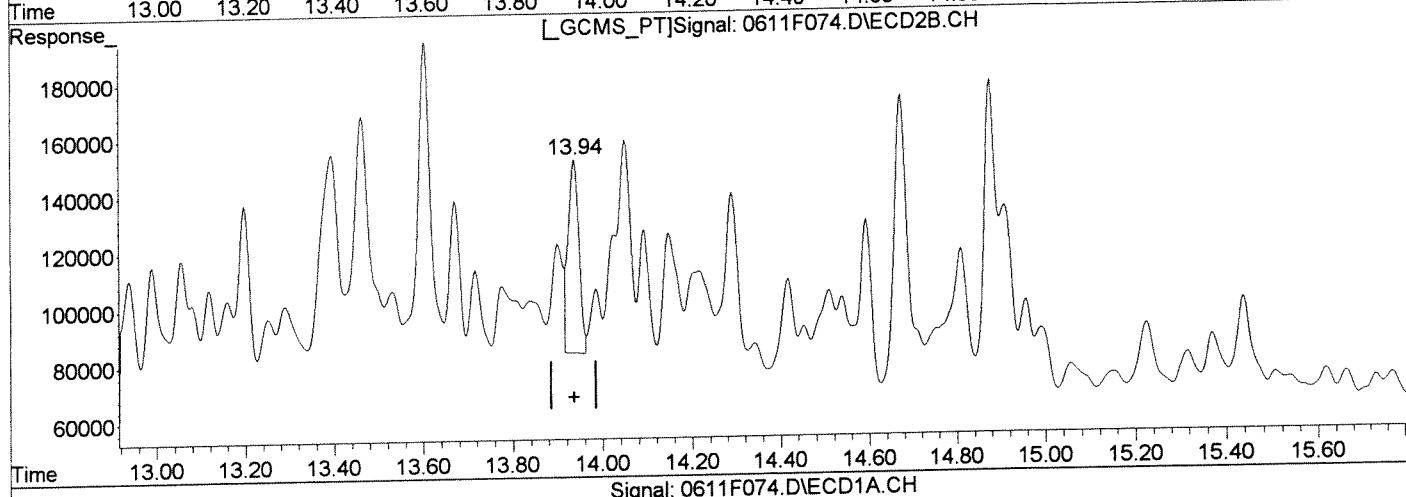
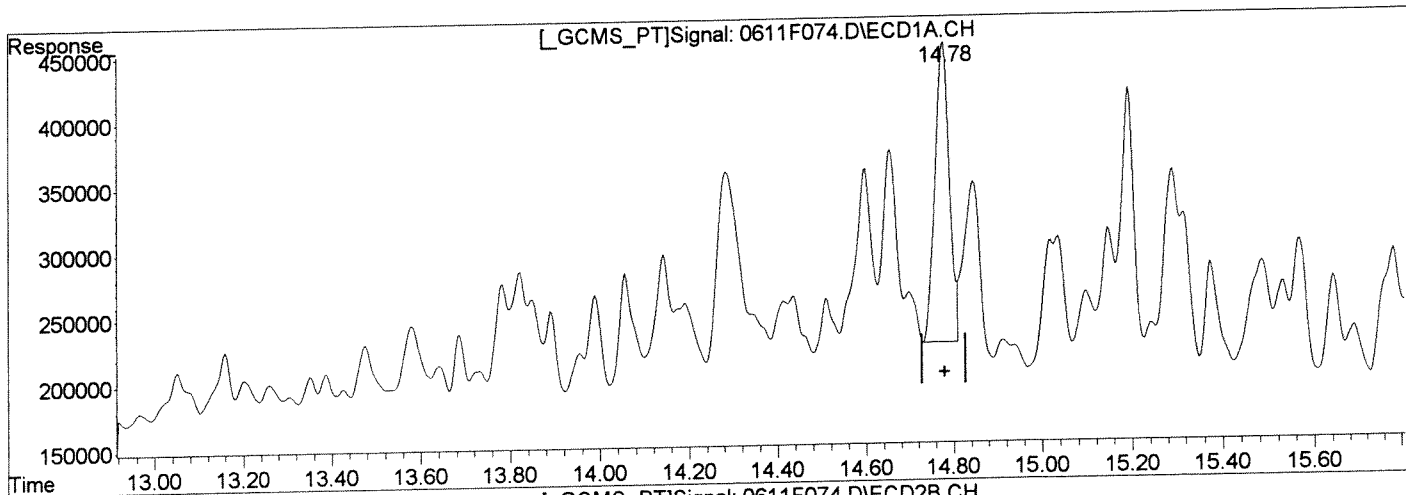
(+) = Expected Retention Time
 0611F074.D GC23-031714-8081.M

Thu Jun 12 08:05:01 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F074.D\ECD1A.CH Vial: 3
Signal #2 : J:\GC23\DATA\061114\0611F074.D\ECD2B.CH
Acq On : 11 Jun 2014 5:43 pm Operator: SMURRAY
Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:04 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F074.D\ECD1A.CH

(32) Toxaphene {3}	Manual Integration:
14.78min 986.656ug/L	Before
response 518321	06/12/14
(32) Toxaphene {3} #2	
13.94min 1176.101ug/L	
response 110669	

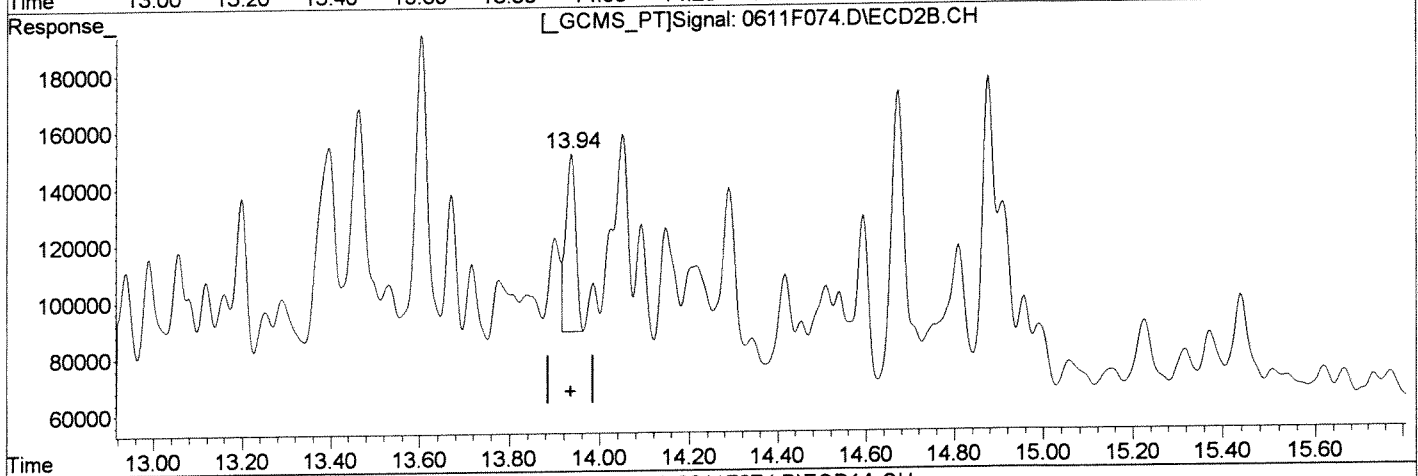
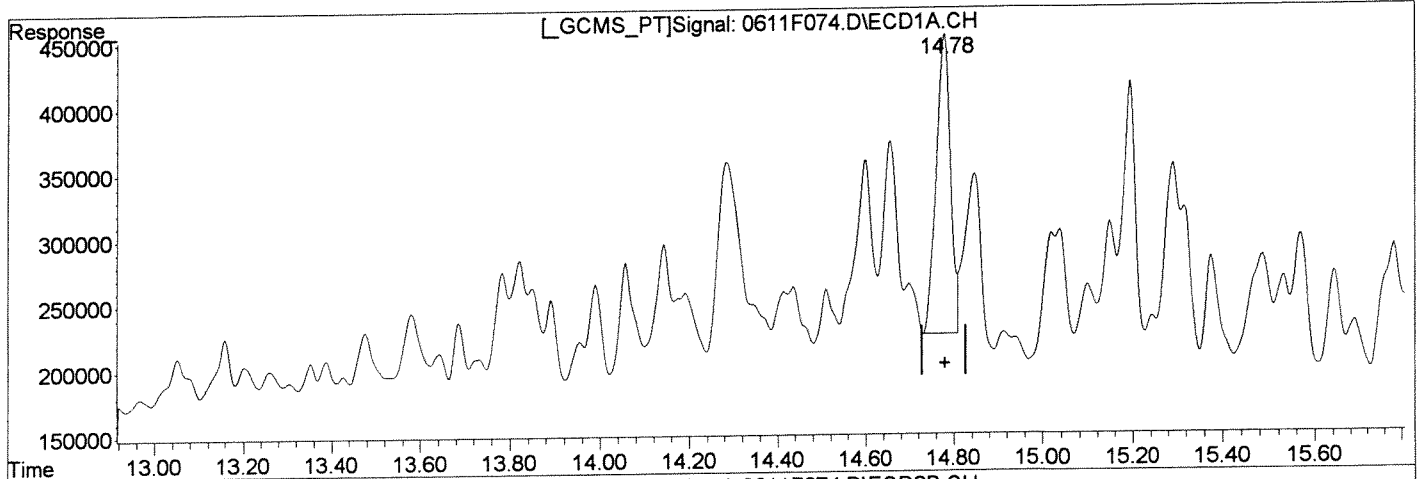
(+) = Expected Retention Time
0611F074.D GC23-031714-8081.M

Thu Jun 12 08:05:02 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F074.D\ECD1A.CH Vial: 3
 Signal #2 : J:\GC23\DATA\061114\0611F074.D\ECD2B.CH
 Acq On : 11 Jun 2014 5:43 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:04 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F074.D\ECD1A.CH

(32) Toxaphene {3}	Manual Integration:
14.78min 986.656ug/L	After
response 518321	Baseline/Shoulder
	06/12/14
(32) Toxaphene {3} #2	
13.94min 1013.006ug/L m	
response 95322	

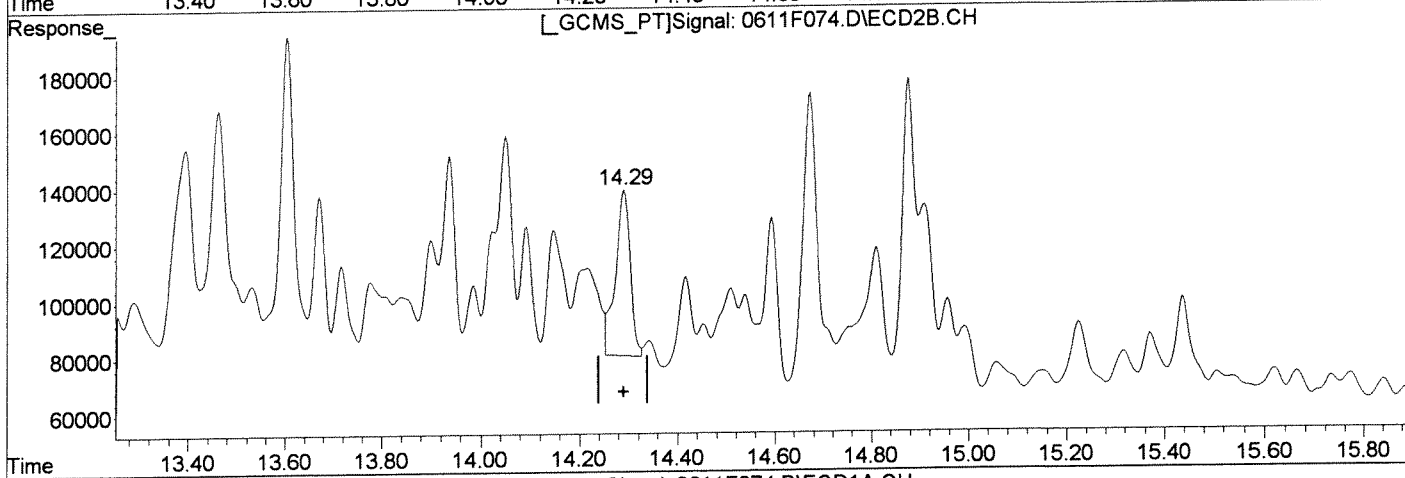
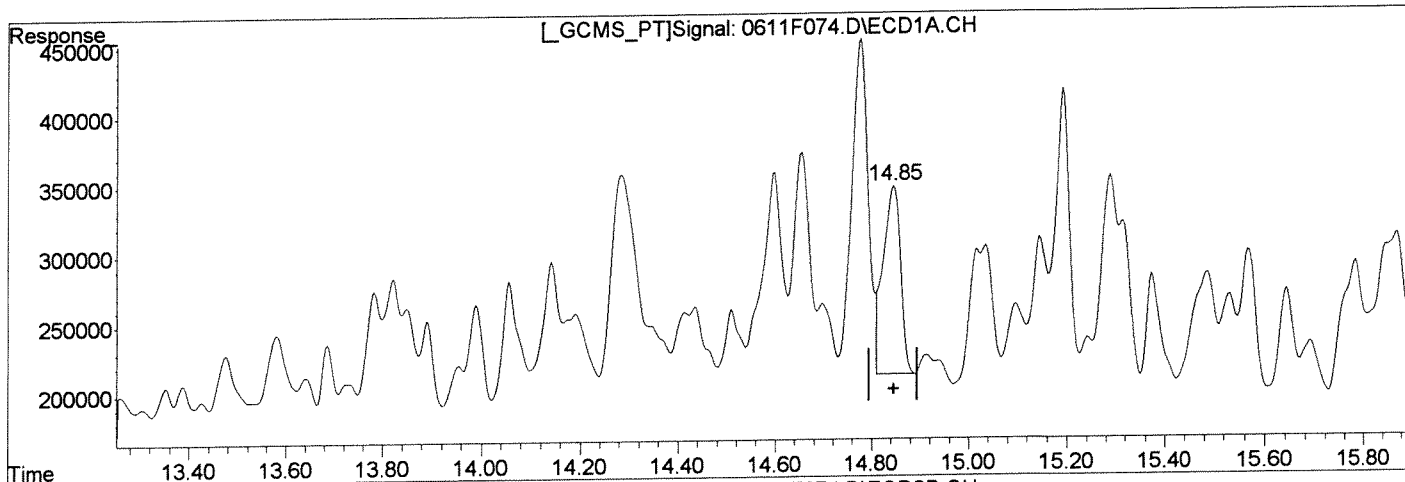
(+) = Expected Retention Time
 0611F074.D GC23-031714-8081.M

Thu Jun 12 08:05:09 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F074.D\ECD1A.CH Vial: 3
 Signal #2 : J:\GC23\DATA\061114\0611F074.D\ECD2B.CH
 Acq On : 11 Jun 2014 5:43 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:04 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F074.D\ECD1A.CH		Manual Integration:
(33) Toxaphene {4}		Before
14.85min 1012.277ug/L		
response 338521		06/12/14
(33) Toxaphene {4} #2		
14.29min 1056.740ug/L		
response 120817		

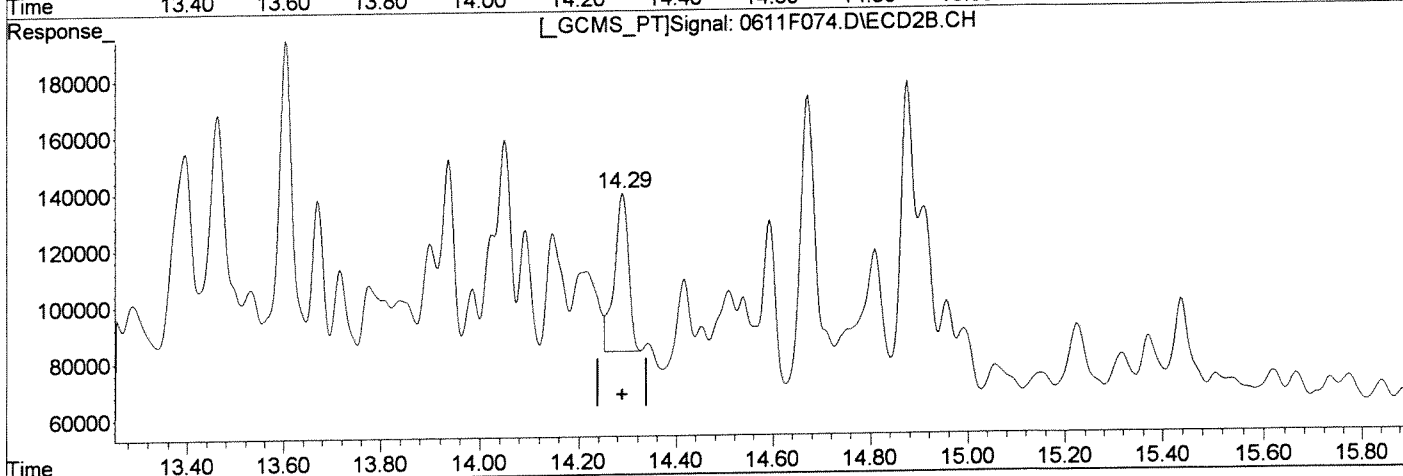
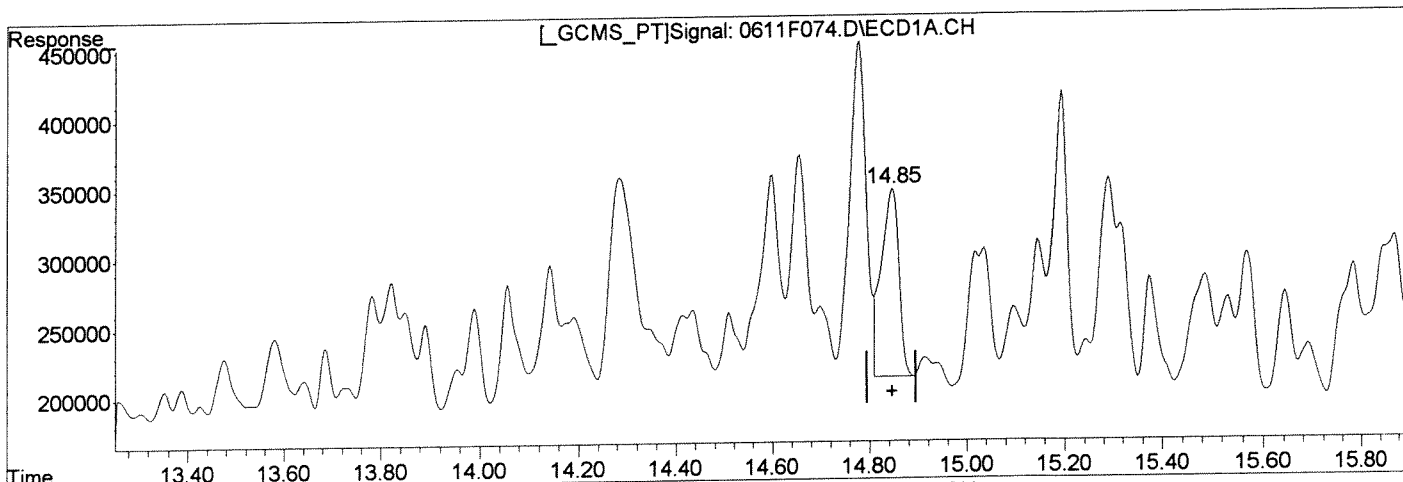
(+) = Expected Retention Time
 0611F074.D GC23-031714-8081.M

Thu Jun 12 08:05:10 2014

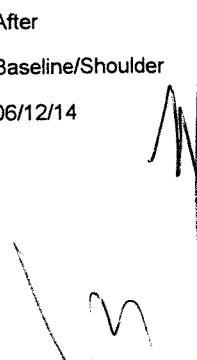
Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F074.D\ECD1A.CH Vial: 3
Signal #2 : J:\GC23\DATA\061114\0611F074.D\ECD2B.CH
Acq On : 11 Jun 2014 5:43 pm Operator: SMURRAY
Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:04 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F074.D\ECD1A.CH

(33) Toxaphene {4}	Manual Integration:
14.85min 1012.277ug/L	After
response 338521	Baseline/Shoulder
	06/12/14
(33) Toxaphene {4} #2	
14.29min 958.061ug/L m	
response 109535	

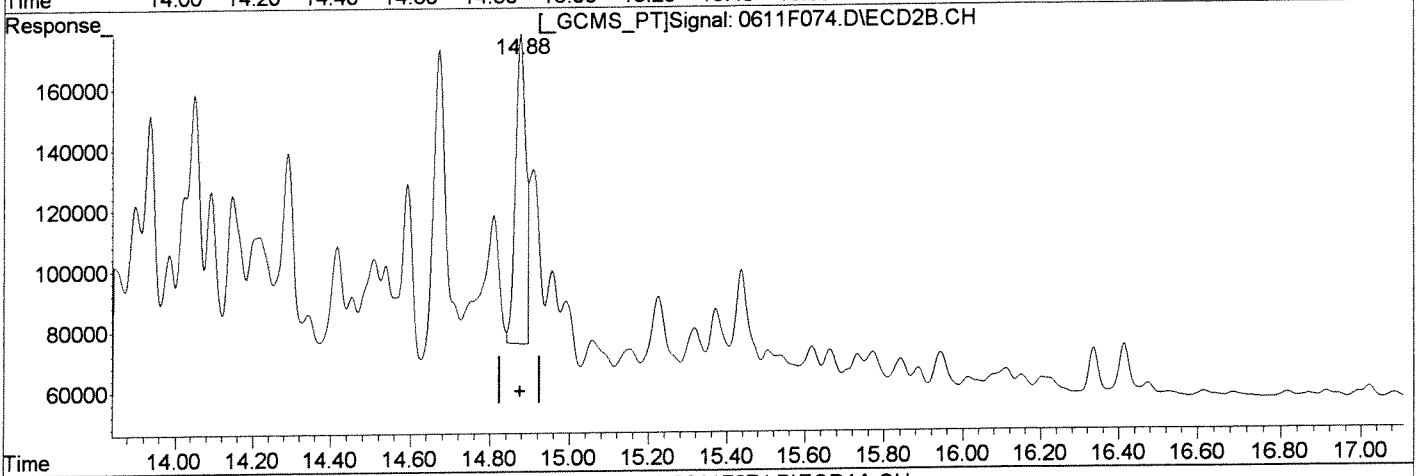
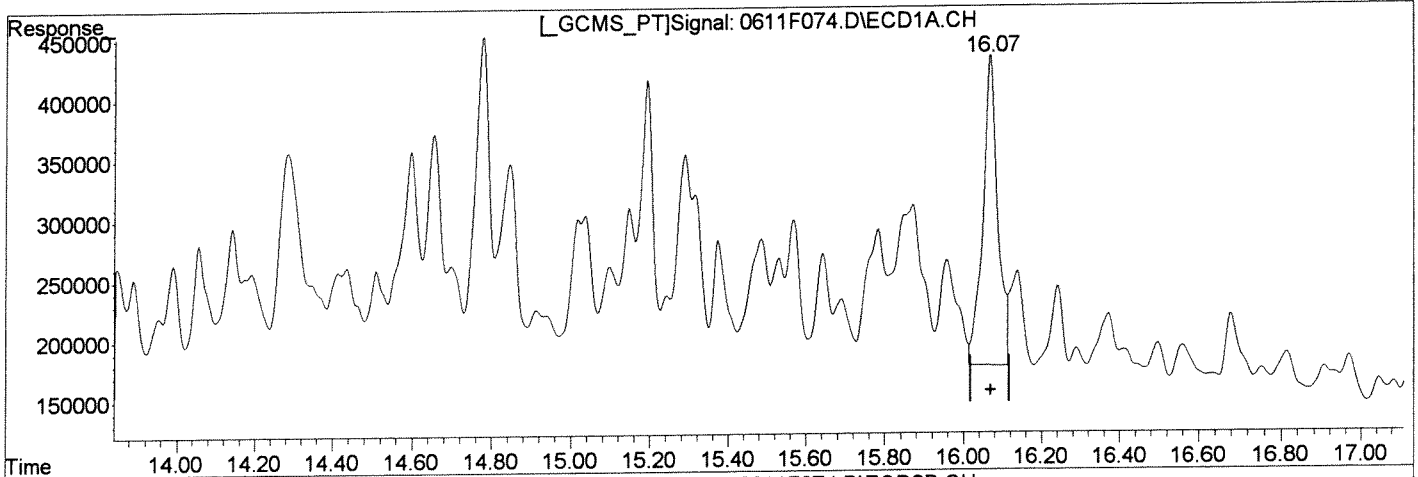
(+) = Expected Retention Time
0611F074.D GC23-031714-8081.M

Thu Jun 12 08:05:21 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F074.D\ECD1A.CH Vial: 3
 Signal #2 : J:\GC23\DATA\061114\0611F074.D\ECD2B.CH
 Acq On : 11 Jun 2014 5:43 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:04 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F074.D\ECD1A.CH

(35) Toxaphene {6}	Manual Integration:
16.07min 1512.598ug/L	Before
response 682618	06/12/14
(35) Toxaphene {6} #2	
14.88min 1184.198ug/L	
response 183757	

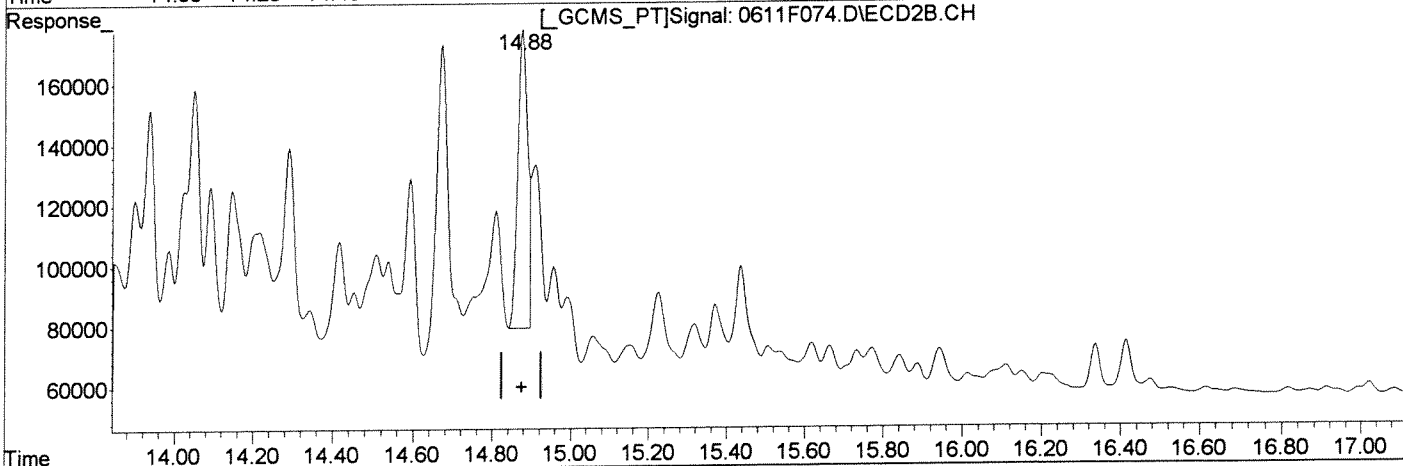
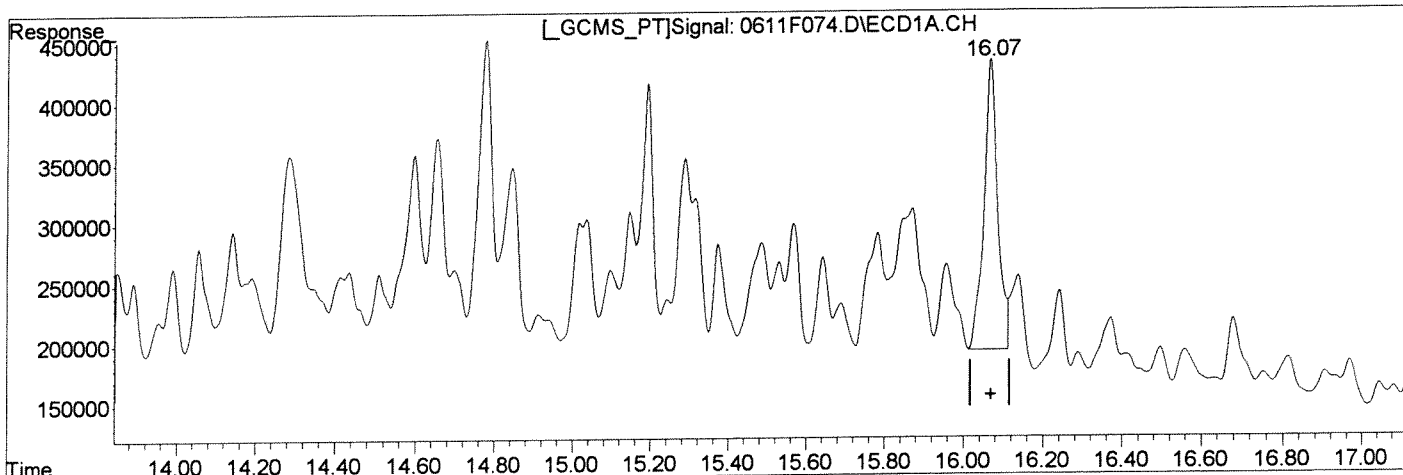
(+) = Expected Retention Time
 0611F074.D GC23-031714-8081.M


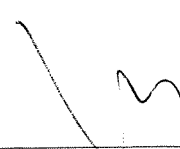
Thu Jun 12 08:05:32 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F074.D\ECD1A.CH Vial: 3
 Signal #2 : J:\GC23\DATA\061114\0611F074.D\ECD2B.CH
 Acq On : 11 Jun 2014 5:43 pm Operator: SMURRAY
 Sample : TOX @ 1000ppb GCPS7-77M Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:04 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F074.D\ECD1A.CH		Manual Integration:
(35) Toxaphene {6}		After
16.07min 1292.256ug/L m		Baseline/Shoulder
response 583180		06/12/14
(35) Toxaphene {6} #2		
14.88min 1109.185ug/L m		
response 172117		

(+) = Expected Retention Time
 0611F074.D GC23-031714-8081.M

Thu Jun 12 08:05:44 2014

Exception Report

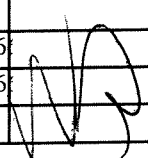
Data File: J:\GC23\DATA\061114\0611F075.D
Lab ID: KWG1405590-3
RunType: CCV
Matrix: MARINE SEDIMENT

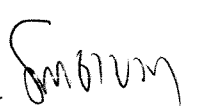
Date Acquired: 06/11/2014 18:12
Date Quantitated: 06/12/2014 08:02
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Second Source ICAL Verification	Endrin Aldehyde	21.1	NA	20	
Internal Standards	1-Bromo-2-nitrobenzene	0	3664.166666	54656.66666	
	1-Bromo-2-nitrobenzene {2}	0	461.666666	87846.66666	
	1-Bromo-2-nitrobenzene {4}	0	823706.5	3294826	

Primary Review: 

Secondary Review: 

Exception Report

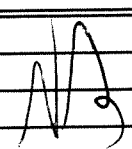
Data File: J:\GC23\DATA\061114\0611F075.D\0611F075C.D
Lab ID: KWG1405590-3
RunType: CCV
Matrix: MARINE SEDIMENT

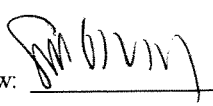
Date Acquired: 06/11/2014 18:12
Date Quantitated: 06/12/2014 08:02
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

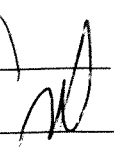
Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene	0	685.333333	6741.33333	
	1-Bromo-2-nitrobenzene {2}	0	317634	1270536	
	1-Bromo-2-nitrobenzene {4}	0	189.083333	24756.33333	

Primary Review: 

Secondary Review: 

Quantitation Report

Data File #1:	J:\GC23\DATA\061114\0611F075.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F075.D\0611F075c.d	Vial:	4
Acqu Date:	06/11/2014 18:12	Quant Date:	06/12/2014 08:02
Run Type:	CCV	Dilution:	1.0
Lab ID:	KWG1405590-3	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:		Tier:		Matrix:	MARINE SEDIMENT
Prod Code:	8081B PEST OC	Collect Date:		Receive Date:	06/12/2014

Analysis Lot:	KWG1405590	Prep Lot:		Report Group:	
Analysis Method:	8081B	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL13214
Title:		Method ID:	MJ1013
MB Ref:		Quant based on Method	

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene			0d	0d	100.00	100.00
2	1-Bromo-2-nitrobenzene {2}			0d	0d	100.00	100.00
3	1-Bromo-2-nitrobenzene {3}	6.06 ^{+0.06}	5.48 ^{+0.04}	2078420	822551	100.00	100.00
4	1-Bromo-2-nitrobenzene {4}			0d	0d	100.00	100.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2	Rpt
1	Tetrachloro-m-xylene	0.00		0d	0d		0.0000	NR
				%Recovery =		NA	NA	Limits = 20-106
1	Decachlorobiphenyl	0.00		0d	0d		0.0000	NR
				%Recovery =		NA	NA	Limits = 19-127

Target Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	Final Conc. Units:		Rpt
						ug/L #1	ug/L #2	
1	alpha-BHC			0d	0d	0.0000	0.0000	NR
1	Hexachlorobenzene			0d	0d	0.0000	0.0000	NR
1	beta-BHC			0d	0d	0.0000	0.0000	NR
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000	NR
1	delta-BHC			0d	0d	0.0000	0.0000	NR
1	Heptachlor			0d	0d	0.0000	0.0000	NR
1	Aldrin			0d	0d	0.0000	0.0000	NR
1	Isodrin			0d	0d	0.0000	0.0000	NR
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000	NR

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 c: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC23\DATA\061114\0611F075.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F075.D\0611F075c.d	Vial:	4
Acqu Date:	06/11/2014 18:12	Quant Date:	06/12/2014 08:02
Run Type:	CCV	Dilution:	1.0
Lab ID:	KWG1405590-3	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Target Compounds

IS #	Parameter Name	RT		Resp		ug/L		ug/L		Rpt
		#1	#2	#1	#2	#1	#2	#1	#2	
1	gamma-Chlordane			0d	0d	0.0000	0.0000			NR
1	Endosulfan I			0d	0d	0.0000	0.0000			NR
1	alpha-Chlordane			0d	0d	0.0000	0.0000			NR
1	Dieldrin			0d	0d	0.0000	0.0000			NR
1	4,4'-DDE			0d	0d	0.0000	0.0000			NR
1	Endrin			0d	0d	0.0000	0.0000			NR
1	Endosulfan II			0d	0d	0.0000	0.0000			NR
1	4,4'-DDD			0d	0d	0.0000	0.0000			NR
1	Endrin Aldehyde			0d	0d	0.0000	0.0000			NR
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000			NR
1	4,4'-DDT			0d	0d	0.0000	0.0000			NR
1	Endrin Ketone			0d	0d	0.0000	0.0000			NR
1	Methoxychlor			0d	0d	0.0000	0.0000			NR
1	2,4'-DDE			0d	0d	0.0000	0.0000			NR
1	2,4'-DDD			0d	0d	0.0000	0.0000			NR
1	2,4'-DDT			0d	0d	0.0000	0.0000			NR
	Toxaphene			0	0	0.0000	0.0000			NR
2	Toxaphene {1}			0d	0d	0.0000	0.0000			
2	Toxaphene {2}			0d	0d	0.0000	0.0000			
2	Toxaphene {3}			0d	0d	0.0000	0.0000			
2	Toxaphene {4}			0d	0d	0.0000	0.0000			
2	Toxaphene {5}			0d	0d	0.0000	0.0000			
2	Toxaphene {6}			0d	0d	0.0000	0.0000			
	Chlordane			0	0	507.70	497.96			
3	Chlordane {1}	11.09	9.57	452211	163935	535.07	485.14			
3	Chlordane {2}	11.52	9.93	774957	295284	548.29	548.59			
3	Chlordane {3}	12.11	11.98	442786	595403	510.58	496.03			
3	Chlordane {4}	13.30	12.02	1610228	353679	495.31	490.71			
3	Chlordane {5}	13.38	12.09	1155381	194115	481.00	481.25			
3	Chlordane {6}	13.46	12.13	829852	476093	475.94	486.04			
4	Chlorpyrifos			0d	0d	0.0000	0.0000			NR
4	Oxychlordane			0d	0d	0.0000	0.0000			NR
4	cis-Nonachlor			0d	0d	0.0000	0.0000			NR
4	trans-Nonachlor			0d	0d	0.0000	0.0000			NR
4	Mirex			0d	0d	0.0000	0.0000			NR
4	Hexachloroethane			0d	0d	0.0000	0.0000			NR
4	Hexachlorobutadiene			0d	0d	0.0000	0.0000			NR
4	Alachlor			0d	0d	0.0000	0.0000			NR

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F075.D\ECD1A.CH Vial: 4
 Signal #2 : J:\GC23\DATA\061114\0611F075.D\ECD2B.CH
 Acq On : 11 Jun 2014 6:12 pm Operator: SMURRAY
 Sample : CHLOR @ 500ppb GCPS7-80B Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:02:30 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:02:21 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

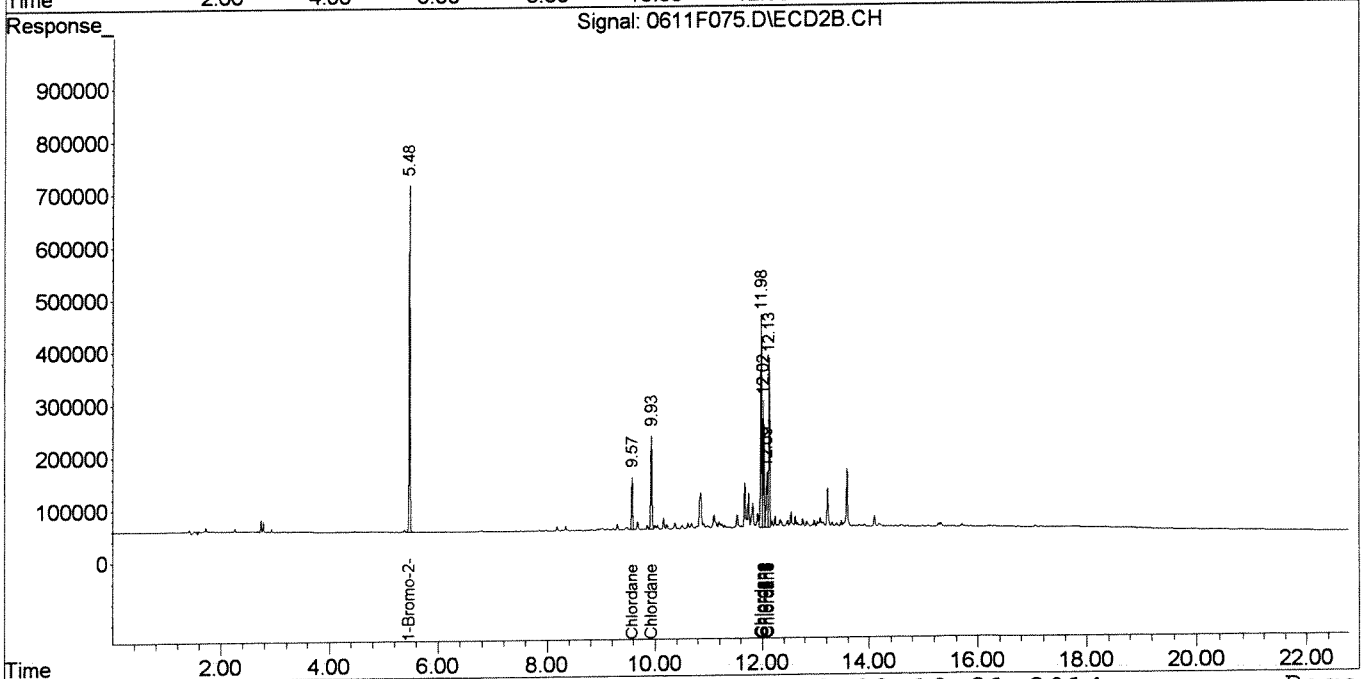
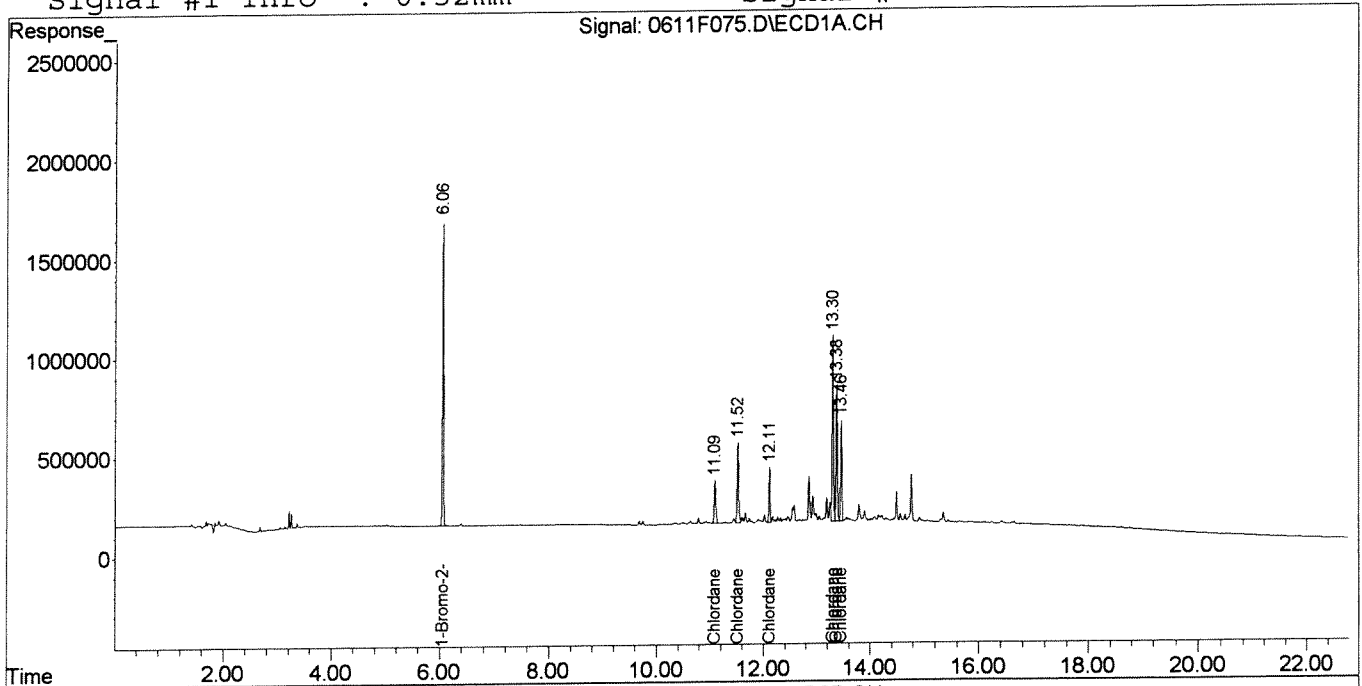
Internal Standards						
36) 1-Bromo-2-nitrob	6.06	5.48	2078420	822551	100.000	100.000
System Monitoring Compounds						
Target Compounds						
37) Chlordane	11.09	9.57	452211	163935	535.070	485.137
38) Chlordane {2}	11.52	9.93	774957	295284	548.293	548.589
39) Chlordane {3}	12.11	11.98	442786	595403	510.579	496.032
40) Chlordane {4}	13.30	12.02	1610228	353679	495.305	490.712
41) Chlordane {5}	13.38	12.09	1155381	194115	481.000	481.249
42) Chlordane {6}	13.46	12.13	829852	476093	475.942	486.041

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F075.D\ECD1A.CH Vial: 4
 Signal #2 : J:\GC23\DATA\061114\0611F075.D\ECD2B.CH
 Acq On : 11 Jun 2014 6:12 pm Operator: SMURRAY
 Sample : CHLOR @ 500ppb GCPS7-80B Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:02 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:02:21 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Exception Report

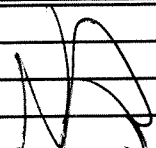
Data File: J:\GC23\DATA\061114\0611F076.D
Lab ID: KWG1405590-3
RunType: CCV
Matrix: MARINE SEDIMENT

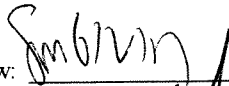
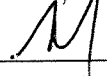
Date Acquired: 06/11/2014 18:42
Date Quantitated: 06/12/2014 08:31
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Second Source ICAL Verification	Endrin Aldehyde	21.1	NA	20	
Internal Standards	1-Bromo-2-nitrobenzene	0	3664.166666	54656.66666	
	1-Bromo-2-nitrobenzene {2}	0	3461.666666	37846.66666	
	1-Bromo-2-nitrobenzene {3}	0	2579.916666	30319.66666	

Primary Review: 
 Secondary Review: 

Exception Report


Data File: J:\GC23\DATA\061114\0611F076.D\0611F076C.D
Lab ID: KWG1405590-3
RunType: CCV
Matrix: MARINE SEDIMENT


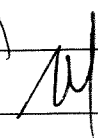
Date Acquired: 06/11/2014 18:42
Date Quantitated: 06/12/2014 08:31
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Internal Standards	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Internal Standards	1-Bromo-2-nitrobenzene	0	1685.333333	6741.333333	
	1-Bromo-2-nitrobenzene {2}	0	317634	1270536	
	1-Bromo-2-nitrobenzene {3}	0	321991.5	1287966	

Primary Review: 
 Secondary Review: 

Quantitation Report

Data File #1:	J:\GC23\DATA\061114\0611F076.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F076.D\0611F076c.d	Vial:	5
Acqu Date:	06/11/2014 18:42	Quant Date:	06/12/2014 08:31
Run Type:	CCV	Dilution:	1.0
Lab ID:	KWG1405590-3	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:		Tier:		Matrix:	MARINE SEDIMENT
Prod Code:	8081B PEST OC	Collect Date:		Receive Date:	06/12/2014

Analysis Lot:	KWG1405590	Prep Lot:		Report Group:	
Analysis Method:	8081B	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL13214
Title:		Method ID:	MJ1013
MB Ref:		Quant based on Method	

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene			0d	0d	100.00	100.00
2	1-Bromo-2-nitrobenzene {2}			0d	0d	100.00	100.00
3	1-Bromo-2-nitrobenzene {3}			0d	0d	100.00	100.00
4	1-Bromo-2-nitrobenzene {4}	6.06 ^{+0.14}	5.48 ^{+0.09}	2075402	824821	100.00	100.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2	Rpt
1	Tetrachloro-m-xylene	0.00		0d	0d		0.0000	NR
				%Recovery =		NA	NA	Limits = 20-106
1	Decachlorobiphenyl	0.00		0d	0d		0.0000	NR
				%Recovery =		NA	NA	Limits = 19-127

Target Compounds

								Final Conc. Units: ug/L		
IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/L #1	ug/L #2	Rpt
1	alpha-BHC			0d	0d	0.0000	0.0000			NR
1	Hexachlorobenzene			0d	0d	0.0000	0.0000			NR
1	beta-BHC			0d	0d	0.0000	0.0000			NR
1	gamma-BHC (Lindane)			0d	0d	0.0000	0.0000			NR
1	delta-BHC			0d	0d	0.0000	0.0000			NR
1	Heptachlor			0d	0d	0.0000	0.0000			NR
1	Aldrin			0d	0d	0.0000	0.0000			NR
1	Isodrin			0d	0d	0.0000	0.0000			NR
1	Heptachlor Epoxide			0d	0d	0.0000	0.0000			NR

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC23\DATA\061114\0611F076.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F076.D\0611F076c.d	Vial:	5
Acqu Date:	06/11/2014 18:42	Quant Date:	06/12/2014 08:31
Run Type:	CCV	Dilution:	1.0
Lab ID:	KWG1405590-3	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Target Compounds

Final Conc. Units: ug/L

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/L #1	ug/L #2	Rpt
1	gamma-Chlordane			0d	0d	0.0000	0.0000			NR
1	Endosulfan I			0d	0d	0.0000	0.0000			NR
1	alpha-Chlordane			0d	0d	0.0000	0.0000			NR
1	Dieldrin			0d	0d	0.0000	0.0000			NR
1	4,4'-DDE			0d	0d	0.0000	0.0000			NR
1	Endrin			0d	0d	0.0000	0.0000			NR
1	Endosulfan II			0d	0d	0.0000	0.0000			NR
1	4,4'-DDD			0d	0d	0.0000	0.0000			NR
1	Endrin Aldehyde			0d	0d	0.0000	0.0000			NR
1	Endosulfan Sulfate			0d	0d	0.0000	0.0000			NR
1	4,4'-DDT			0d	0d	0.0000	0.0000			NR
1	Endrin Ketone			0d	0d	0.0000	0.0000			NR
1	Methoxychlor			0d	0d	0.0000	0.0000			NR
1	2,4'-DDE			0d	0d	0.0000	0.0000			NR
1	2,4'-DDD			0d	0d	0.0000	0.0000			NR
1	2,4'-DDT			0d	0d	0.0000	0.0000			NR
	Toxaphene			0	0	0.0000	0.0000			NR
2	Toxaphene {1}			0d	0d	0.0000	0.0000			
2	Toxaphene {2}			0d	0d	0.0000	0.0000			
2	Toxaphene {3}			0d	0d	0.0000	0.0000			
2	Toxaphene {4}			0d	0d	0.0000	0.0000			
2	Toxaphene {5}			0d	0d	0.0000	0.0000			
2	Toxaphene {6}			0d	0d	0.0000	0.0000			
	Chlordane			0	0	0.0000	0.0000			NR
3	Chlordane {1}			0d	0d	0.0000	0.0000			
3	Chlordane {2}			0d	0d	0.0000	0.0000			
3	Chlordane {3}			0d	0d	0.0000	0.0000			
3	Chlordane {4}			0d	0d	0.0000	0.0000			
3	Chlordane {5}			0d	0d	0.0000	0.0000			
3	Chlordane {6}			0d	0d	0.0000	0.0000			
4	Chlorpyrifos	11.99	10.89	575373	246128	51.40	57.79			
4	Oxychlordane	12.75	11.39	963824	412189	43.48	43.70			
4	cis-Nonachlor	14.49	13.22	1203475	520806	45.26	43.85			
4	trans-Nonachlor	13.46	12.02	1160487	502730	43.77	43.50			
4	Mirex	16.85	15.37	918318	389762	46.28	46.27			
4	Hexachloroethane	4.04	3.44	2248819	861878	45.87	45.08			
4	Hexachlorobutadiene	4.81	3.99	1624244	656123	43.31	42.82			
4	Alachlor			0	0	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Signal #1 : J:\GC23\DATA\061114\0611F076.D\ECD1A.CH Vial: 5
 Signal #2 : J:\GC23\DATA\061114\0611F076.D\ECD2B.CH
 Acq On : 11 Jun 2014 6:42 pm Operator: SMURRAY
 Sample : MISC @ 50ppb GCPS7-80F Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 11 19:20:39 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Wed Jun 11 19:20:36 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

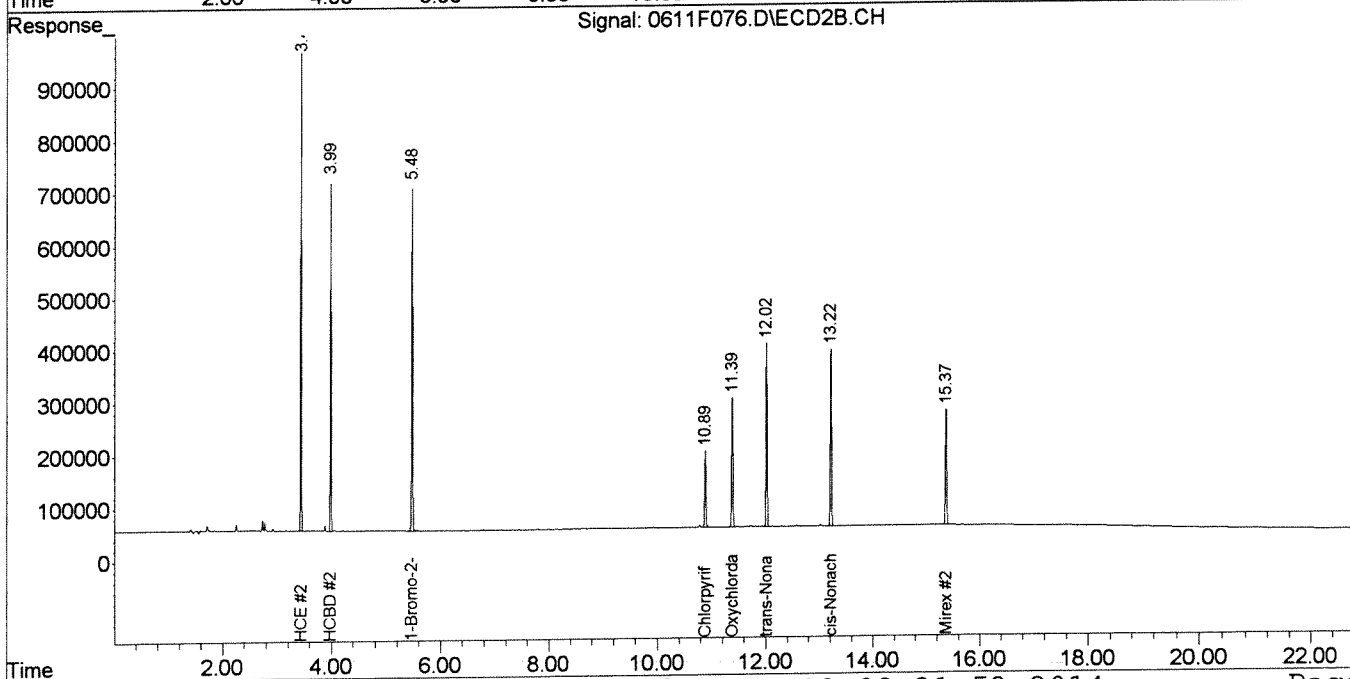
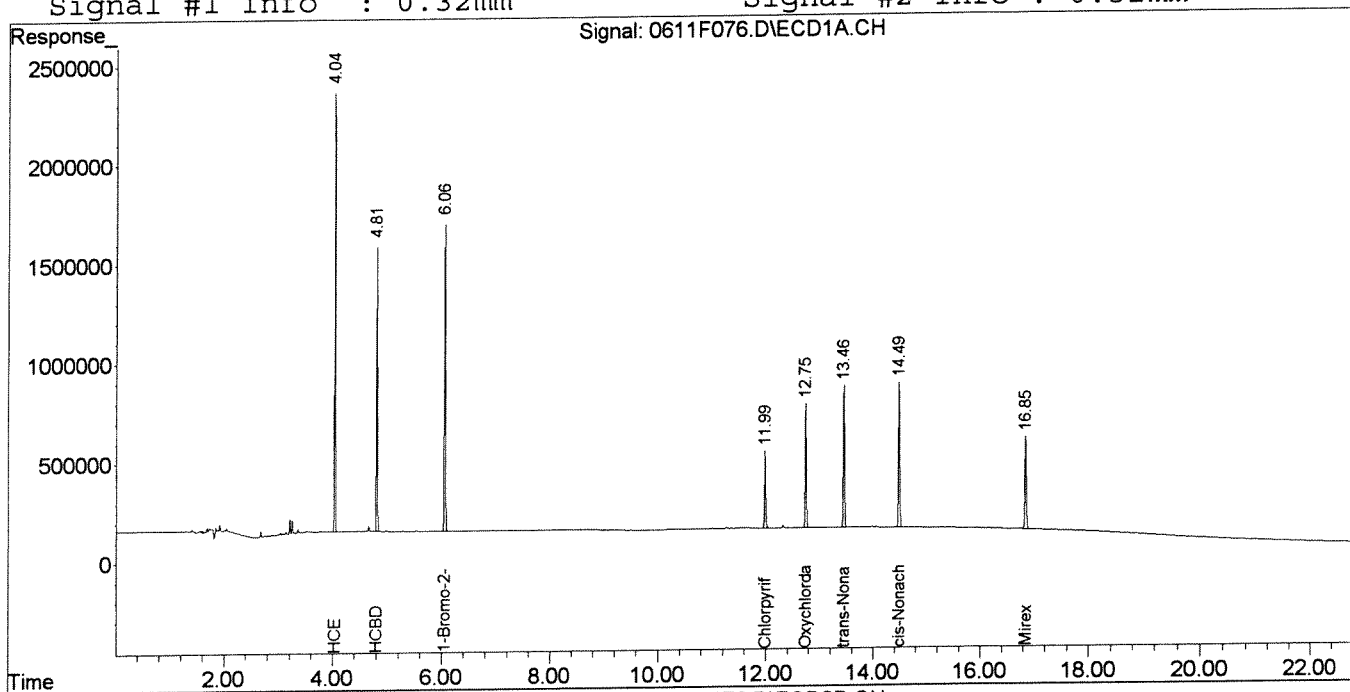
Internal Standards						
43) 1-Bromo-2-nitrob	6.06	5.48	2075402	824821	100.000	100.000
System Monitoring Compounds						
Target Compounds						
44) Chlorpyrifos	11.99	10.89	575373	246128	51.399	57.787
45) Oxychlorane	12.75	11.39	963824	412189	43.478	43.703
46) cis-Nonachlor	14.49	13.22	1203475	520806	45.260	43.851
47) trans-Nonachlor	13.46	12.02	1160487	502730	43.769	43.496
48) Mirex	16.85	15.37	918318	389762	46.279	46.265
49) HCE	4.04	3.44	2248819	861878	45.873	45.079
50) HCB	4.81	3.99	1624244	656123	43.312	42.824

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F076.D\ECD1A.CH Vial: 5
 Signal #2 : J:\GC23\DATA\061114\0611F076.D\ECD2B.CH
 Acq On : 11 Jun 2014 6:42 pm Operator: SMURRAY
 Sample : MISC @ 50ppb GCPS7-80F Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:31 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Wed Jun 11 19:20:36 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Preparation Information

Group ID: KWG1405470	Prep Method: EPA 3535A	Prep Date: 06/09/14 12:15
Department: Semivoa GC		

Lab Code	Client ID	Product	Matrix	Amt. Ext.	Final Vol.	Solids
K1405572-001	SYC14-ODMDS-SW	8081B Pest OC	WATER	980mL	2mL	
K1405649-001	Lande Pond	8081B Pest OC	WATER	980mL	2mL	
K1405663-001	FTHU Liq IDW	8081B Pest OC	WATER	990mL	2mL	
KWG1405470-1	Lab Control Sample	8081B Pest OC	WATER	1000mL	2mL	
KWG1405470-2	Duplicate Lab Control Sample	8081B Pest OC	WATER	1000mL	2mL	
KWG1405470-3	Lab Control Sample	8081B Pest OC	WATER	1000mL	2mL	
KWG1405470-4	Duplicate Lab Control Sample	8081B Pest OC	WATER	1000mL	2mL	
KWG1405470-5	Lab Control Sample	8081B Pest OC	WATER	1000mL	2mL	
KWG1405470-6	Duplicate Lab Control Sample	8081B Pest OC	WATER	1000mL	2mL	
KWG1405470-7	Lab Control Sample	8081B Pest OC	WATER	1000mL	2mL	
KWG1405470-8	Duplicate Lab Control Sample	8081B Pest OC	WATER	1000mL	2mL	
KWG1405470-9	Method Blank	8081B Pest OC	WATER	1000mL	2mL	

Lab Code	Parent Lab Code	Comments
KWG1405470-1		KQ1406295-01
KWG1405470-2		KQ1406295-02
KWG1405470-3		KQ1406295-03
KWG1405470-4		KQ1406295-04
KWG1405470-5		KQ1406295-05
KWG1405470-6		KQ1406295-06
KWG1405470-7		KQ1406295-07
KWG1405470-8		KQ1406295-08
KWG1405470-9		KQ1406295-09

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
K1405572-001	1346999					RHayes
K1405649-001	1347000					RHayes
K1405663-001	1347010					RHayes
KWG1405470-1	1347001					RHayes
KWG1405470-2	1347002					RHayes
KWG1405470-3	1347003					RHayes
KWG1405470-4	1347004					RHayes
KWG1405470-5	1347005					RHayes
KWG1405470-6	1347006					RHayes
KWG1405470-7	1347007					RHayes
KWG1405470-8	1347008					RHayes

Comments: _____

Started By: <u>KClark</u>	Assisted By: _____	<u>Training</u> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
Completed By: <u>KClark</u>	Assisted By: _____	
Reviewed By: <u>EB</u>	Date: <u>6/12/14</u>	Storage: _____

Chain of Custody

Relinquished By: <u>KL</u>	Date: <u>6/10/14</u>	<u>Extracts Examined</u> Yes <input type="checkbox"/> No <input type="checkbox"/>
Received By: <u>[Signature]</u>	Date: <u>[Signature]</u>	

Group ID: KWG1405470 **Prep Method:** EPA 3535A **Prep Date:** 06/09/14 12:15
Department: Semivoa GC

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
KWG1405470-9	1347009					RHayes

Comments: _____

Started By: KClark **Assisted By:** [Signature] **Training:** Yes No

Completed By: KClark **Assisted By:** _____ **Training:** Yes No

Reviewed By: EB **Date:** 6/11/14 **Storage:** [Signature]

Chain of Custody

Relinquished By: KL **Date:** 6/10/14 **Extracts Examined:** Yes No

Received By: _____ **Date:** _____ **Extracts Examined:** Yes No

Preparation Information Benchsheet

Prep Run: 210345 Prep Workflow: OrgExtSPEaq Status: Draft Prep Date: 06/09/2014
 Team: Semivoa (7) Current Step: Extraction Due Date: 06/08/2014
 Analyst: KCLARK Prep Method: EPA 3535A Hold Date: 06/10/2014
 Rush/NPDES: RUSH

Lab Code	Client ID	Bottle #	✓	Initial Amount ML	pH Initial	pH Adj 1	Inter. Volume	Final Volume ML	Surr Amt ML	Spike Amt ML	TestNo List
F K1405572-001	SYC14-ODMDS-SW	.15	✓	980	NA	2.5	NA	2	100	—	Pest OC
F K1405649-001	Lande Pond	.01	✓	980		2.5		2		—	Pest OC
K1405663-001	FTHU Liq IDW	0.00 .03	✓	990		2.5		2		—	PCB, Pest OC
G KQ1406295-01	Lab Control Sample 80811 MISC			1000		2.5		2		50/50	Pest OC
KQ1406295-02	Duplicate Lab Control Sample			1000		2.5		2			Pest OC
KQ1406295-03	Lab Control Sample 2.4 DD			1000		2.5		2		50	Pest OC
KQ1406295-04	Duplicate Lab Control Sample			1000		2.5		2			Pest OC
KQ1406295-05	Lab Control Sample Tox Chlor			1000		2.5		2		100/100	Pest OC
KQ1406295-06	Duplicate Lab Control Sample			1000		2.5		2			Pest OC
G KQ1406295-07	Lab Control Sample 1660			1000		2.5		2		50	PCB
KQ1406295-08	Duplicate Lab Control Sample			1000		2.5		2			PCB
G KQ1406295-09	Method Blank			1000		2.5		2		—	PCB, Pest OC

12 Total Samples consisting of 3 Client Samples, 0 Client QC Samples, 9 Batch QC Samples associated with the current Prep Run.

Spiking Solutions

Witness: R Hayes 6-9-14

- (6) PCB6-40C Exp. 11/21/14 40ppm 50ml (Epp 2D)
- (11) PCB6-41A Exp. 11/21/14 2ppm 100ml (Epp 2A)
- (24) GLPS7-77A Exp. 9/5/14 4ppm 50ml (Epp 2D)
- (8) GLPS7-92E Exp. 6/22/14 4ppm 50ml (Epp 2D)
- (1) GLPS7-73F Exp. 8/5/14 4ppm 50ml (Epp 2D)
- (1) GLPS7-82B Exp. 11/9/14 10ppm 100ml (Epp 2A)
- (0) GLPS7-79D Exp. 9/17/14 10ppm 100ml (Epp 2A)

Preparation Steps

Step	Started	Finished	By	Assisted By	Training?	Comments
Extraction	6/9/14	6/9/14	KCLARK			
Final Volume	6/10/14	6/10/14	KCLARK			

Comments

Insufficient sample volume for MS/IDMS.
 (1) EE KC 6/9/14
 G = Added granular sulfate to extract to remove remaining water prior to final volume.
 Filter Lot # 21810091
 F = Precipitate formed during concentration, filtered extract through 0.45um filter prior to vialing.

Additional Prep Information For Pest/PCB-UL Water by 3535

Service Request # K1405572, 5649, 5663 Work Group # 210345

Solvents/Reagents used:

Methanol Lot#: 62343 Sulfuric Acid Lot#: 53002

Acetone Lot #: D1478 Hexane Lot #: 67123

Atlantic C18 Disk Lot #: 3180113

Extraction Program # 8100 Initial Purge Prog # 8081.4

Between Sample Purge Program# 8081.8

Start (Time/Date/Initial): 1215 6/9/14 KC

Stop (Time/Date/Initial): 1500 6/9/14 KC

Final Volume/Cleanups:

Dry Disk (Time/Date/Initial): 0520 6/10/14 KC Lot #: B02400558939

TurboVap(Time/Date/Initials): 0630 6/10/14 KC Therm ID: K-TURBOVAP-04
Temp as measured: 27.0 °C Correction factor: -1.0 °C Adjusted temp: 26.0 °C

Florisil cleanup (Time/Date/Initials): _____ Florisil Lot #: _____

1:1 Hexane Acetone: _____ 9:1 Hexane:Acetone: _____

N-Evap (Time/Date/Initial): _____ N-Evap Therm ID: _____

Temp as measured: _____ °C Correction factor: _____ °C Adjusted temp: _____ °C

Sulfuric Acid Clean-up (Time/Date/Initials): 1415 6/10/14 KC Acid Lot #: 53002

Pest Vial: Yellow

Vial Storage: Vial Rack Instru

PCB Vial: Green

Vial Storage: Vial Rack Instr

Comments/Observations: Pest Only Archive: Nutty

Bench Sheet Review Check List	
<input checked="" type="checkbox"/>	Hold Times Met (if no, Reason: _____)
<input checked="" type="checkbox"/>	Prep date, dept, method, product code correct in stealth
<input checked="" type="checkbox"/>	Spike Information correct
<input checked="" type="checkbox"/>	Weights/Volumes and units correct on raw and final bench sheets
<input checked="" type="checkbox"/>	Sample IDs have been checked—Bottle numbers appended if required
<input checked="" type="checkbox"/>	Names present for: Started by, Completed by, relinquished by, and witnessed by.
<input checked="" type="checkbox"/>	Training has been circled
<input checked="" type="checkbox"/>	Extract Storage recorded
<input checked="" type="checkbox"/>	Additional Prep Sheet completely filled out (NA or line out Blanks)
<input checked="" type="checkbox"/>	All clean-ups have been noted on additional prep sheet
<input checked="" type="checkbox"/>	Signed service request with Form V, if applicable, has been attached

Sequence Name: J:\GC23\SEQUENCE\061114.S

Comment:

Operator: SMURRAY

Data Path: C:\GC23\DATA\061114\

Pre-Seq Cmd:

Post-Seq Cmd:

*AN: 13214
DUN: 6532*

Method Sections To Run On A Barcode Mismatch
 Full Method Inject Anyway
 Reprocessing Only Don't Inject

Line Type	Vial	DataFile	Method	Sample Name
1 PEM	100	0611F070	PEST1UL	MAINT PRIMER 1
2 PEM	100	0611F071	PEST1UL	MAINT PRIMER 2
3 PEM	1	0611F072	PEST1UL	PEM @50-100PPB GCPS7-81G
4 CCV	2	0611F073	PEST1UL	81/24 @ 50ppb GCPS7-73G
5 CCV	3	0611F074	PEST1UL	TOX @ 1000ppb GCPS7-77M
6 CCV	4	0611F075	PEST1UL	CHLOR @ 500ppb GCPS7-80B
7 CCV	5	0611F076	PEST1UL	MISC @ 50ppb GCPS7-80F
8 IB	6	0611F077	PEST1UL	IB
9 SMPL	7	0611F078	PEST1UL	K1405572-001
10 SMPL	8	0611F079	PEST1UL	K1405649-001
11 SMPL	9	0611F080	PEST1UL	K1405633-001
12 LCS	10	0611F081	PEST1UL	KWG1405470-LCS1
13 DLCS	11	0611F082	PEST1UL	KWG1405470-DLCS2
14 LCS	12	0611F083	PEST1UL	KWG1405470-LCS3
15 DLCS	13	0611F084	PEST1UL	KWG1405470-DLCS4
16 LCS	14	0611F085	PEST1UL	KWG1405470-LCS5
17 DLCS	15	0611F086	PEST1UL	KWG1405470-DLCS6
18 MB	16	0611F087	PEST1UL	KWG1405470-MB
19 SMPL	17	0611F088	PEST1UL	K1405265-001
20 MS	18	0611F089	PEST1UL	K1405265-001MS 81/M
21 DMS	19	0611F090	PEST1UL	K1405265-001DMS 81/M
22 SMPL	20	0611F091	PEST1UL	K1405347-001
23 SMPL	21	0611F092	PEST1UL	K1405347-002
24 MS	22	0611F093	PEST1UL	K1405347-002MS 24
25 DMS	23	0611F094	PEST1UL	K1405347-002DMS 24
26 SMPL	24	0611F095	PEST1UL	K1405350-001
27 LCS	25	0611F096	PEST1UL	KWG1405476-LCS3
28 LCS	26	0611F097	PEST1UL	KWG1405476-LCS6
29 MB	27	0611F098	PEST1UL	KWG1405476-MB
30 PEM	1	0611F099	PEST1UL	PEM @50-100PPB GCPS7-81G
31 CCV	2	0611F100	PEST1UL	81/24 @ 50ppb GCPS7-73G
32 CCV	3	0611F101	PEST1UL	TOX @ 1000ppb GCPS7-77M
33 CCV	4	0611F102	PEST1UL	CHLOR @ 500ppb GCPS7-80B
34 CCV	5	0611F103	PEST1UL	MISC @ 50ppb GCPS7-80F
35 IB	6	0611F104	PEST1UL	IB
36 SMPL	28	0611F105	PEST1UL	K1405342-001
37 SMPL	29	0611F106	PEST1UL	K1405342-002
38 SMPL	30	0611F107	PEST1UL	K1405342-003
39 SMPL	31	0611F108	PEST1UL	K1405342-004
40 SMPL	32	0611F109	PEST1UL	K1405342-005
41 SMPL	33	0611F110	PEST1UL	K1405342-006
42 SMPL	34	0611F111	PEST1UL	K1405342-007
43 MS	35	0611F112	PEST1UL	K1405342-007MS 81/M

Line Type	Vial	DataFile	Method	Sample Name
44 DMS	36	0611F113	PEST1UL	K1405342-007DMS 81/M
45 MS	37	0611F114	PEST1UL	K1405342-007MS C
46 DMS	38	0611F115	PEST1UL	K1405342-007DMS C <i>NR dat need</i>
47 SMPL	39	0611F116	PEST1UL	KWG1405478-SRM
48 LCS	40	0611F117	PEST1UL	KWG1405478-LCS3
49 LCS	41	0611F118	PEST1UL	KWG1405478-LCS6 <i>NR dat need</i>
50 MB	42	0611F119	PEST1UL	KWG1405478-MB
51				

Exception Report


Data File: J:\GC23\DATA\061114\0611F072.D
Lab ID: KWG1405590-2
Run Type: PEM
Matrix: MARINE SEDIMENT

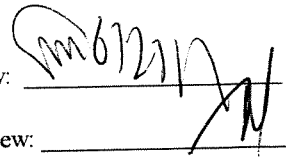
Date Acquired: 06/11/2014 16:43
Date Quantitated: 06/11/2014 17:23
Batch ID: KWG1405590
Analysis Method: 8081B
ListJoinID: LJ10168

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Pesticide Breakdown	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Second Source ICAL Verification	Endrin Aldehyde	21.1	NA	20	

Primary Review: 

Secondary Review: _____

Exception Report

Data File: J:\GC23\DATA\061114\0611F072.D\0611F072C.D
Lab ID: KWG1405590-2
RunType: PEM
Matrix: MARINE SEDIMENT

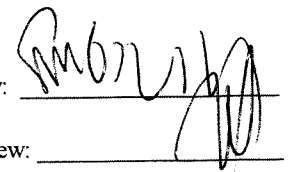
Date Acquired: 06/11/2014 16:43
Date Quantitated: 06/11/2014 17:23
Batch ID: KWG1405590
Analysis Method: 8081B
ListJoinID: LJ10168

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Pesticide Breakdown	NA	NA	NA	x	

Primary Review: _____

Secondary Review: _____



Quantitation Report

Data File #1:	J:\GC23\DATA\061114\0611F072.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F072.D\0611F072c.d	Vial:	1
Acqu Date:	06/11/2014 16:43	Quant Date:	06/11/2014 17:23
Run Type:	PEM	Dilution:	1.0
Lab ID:	KWG1405590-2	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:		Tier:		Matrix:	MARINE SEDIMENT
Prod Code:	8081B PEST OC	Collect Date:		Receive Date:	06/12/2014

Analysis Lot:	KWG1405590	Prep Lot:		Report Group:	
Analysis Method:	8081B	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL13214
Title:	Organochlorine Pesticides	Report List ID:	LJ10168
MB Ref:		Method ID:	MJ1006
		Quant based on Report List	

BreakDown Results

Parameter Name	Resp #1	Respe #2	Percent Breakdown #1	Percent Breakdown #1
1-Bromo-2-nitrobenzene	2294341	894187		
4,4'-DDE	7706	4636		
Endrin	1143872	483612	6.9	7.3
4,4'-DDD	13802	9483		
Endrin Aldehyde	22952	10301		
4,4'-DDT	2368644	939444	0.9	1.5
Endrin Ketone	62349	27551		

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Signal #1 : J:\GC23\DATA\061114\0611F072.D\ECD1A.CH Vial: 1
 Signal #2 : J:\GC23\DATA\061114\0611F072.D\ECD2B.CH
 Acq On : 11 Jun 2014 4:43 pm Operator: SMURRAY
 Sample : PEM @50-100PPB GCPS7-81G Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 11 17:22:48 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Wed Jun 11 17:22:36 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L

Internal Standards						
1) i 1-Bromo-2-nitrob	6.05	5.47	2294341	894187	100.000	100.000

System Monitoring Compounds

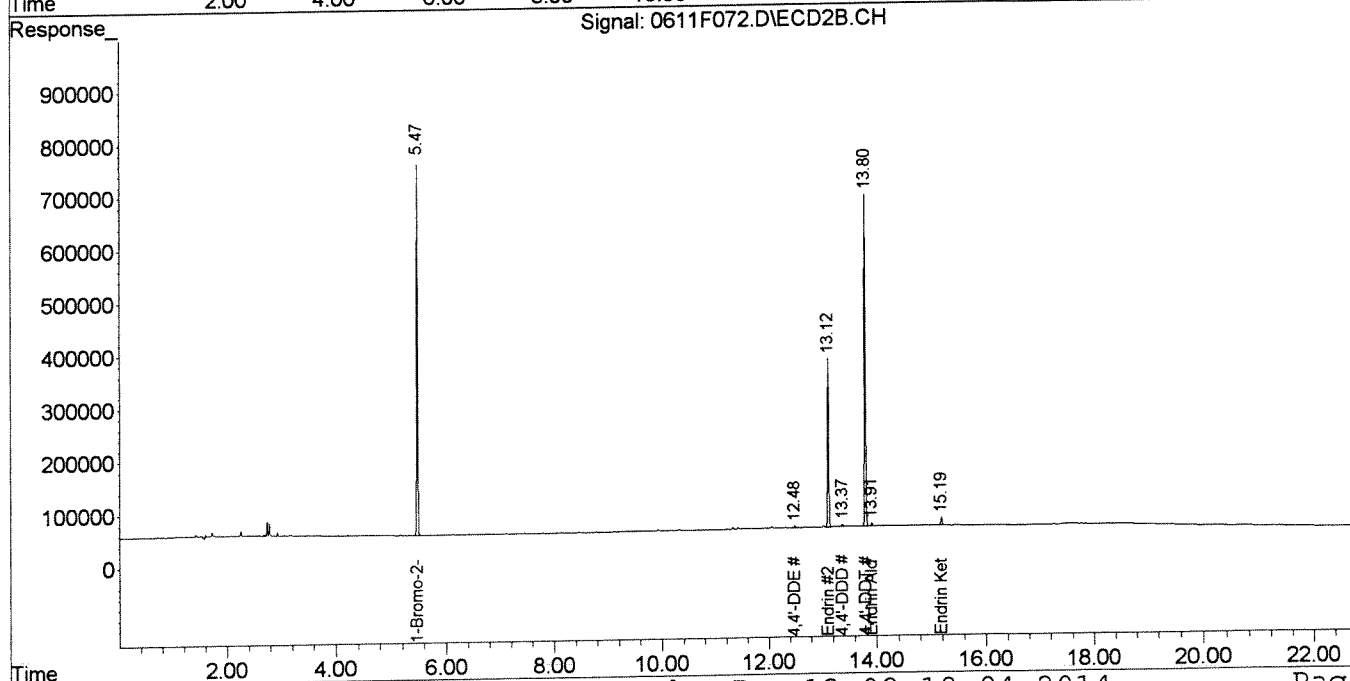
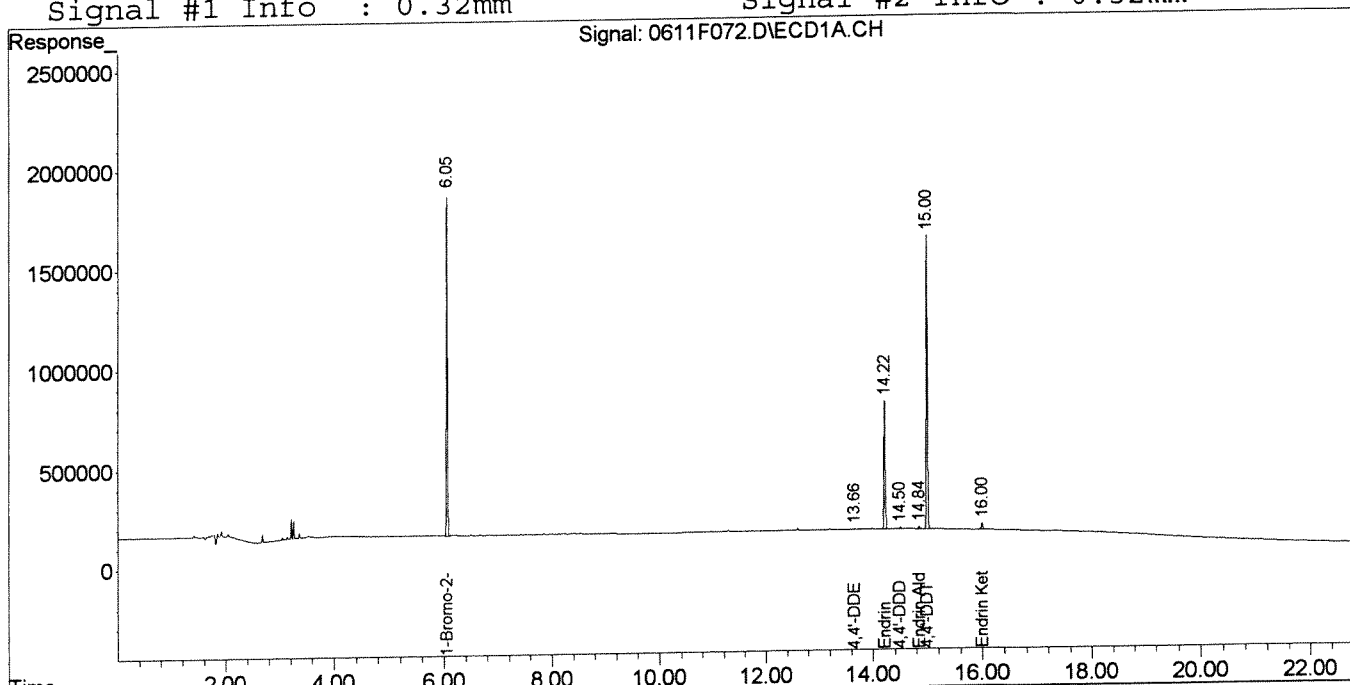
Target Compounds						
16)	4,4'-DDE	13.66	12.48	7706	4636	0.267 0.380 #
17)	Endrin	14.22	13.12	1143872	483612	45.850 45.791
19)	4,4'-DDD	14.50	13.37	13802	9483	0.585 0.997 #
20)	Endrin Aldehyde	14.84	13.91	22952	10301	1.411 1.322
22)	4,4'-DDT	15.00	13.80	2368644	939444	112.960 104.247
23)	Endrin Ketone	16.00	15.19	62349	27551	2.249 2.373

Quantitation Report (QT Reviewed)

Signal #1 : J:\GC23\DATA\061114\0611F072.D\ECD1A.CH Vial: 1
 Signal #2 : J:\GC23\DATA\061114\0611F072.D\ECD2B.CH
 Acq On : 11 Jun 2014 4:43 pm Operator: SMURRAY
 Sample : PEM @50-100PPB GCPS7-81G Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 11 17:23 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Wed Jun 11 17:22:36 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Exception Report

Data File: J:\GC23\DATA\061114\0611F077.D
Lab ID: KWG1405590-1
RunType: IB
Matrix: MARINE SEDIMENT

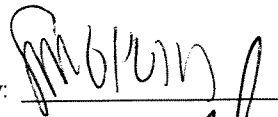
Date Acquired: 06/11/2014 19:12
Date Quantitated: 06/12/2014 08:08
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013

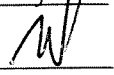
Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA		x
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA		x

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Second Source ICAL Verification	Endrin Aldehyde	21.1	NA	20	TS
Analyte Co-elution	1-Bromo-2-nitrobenzene	6.06	NA	NA	CJ
	Heptachlor Epoxide	12.75	NA	NA	
	Endosulfan I	13.45	NA	NA	
	4,4'-DDD	14.5	NA	NA	
	1-Bromo-2-nitrobenzene {2}	6.06	NA	NA	SA
	1-Bromo-2-nitrobenzene {3}	6.06	NA	NA	
	1-Bromo-2-nitrobenzene {4}	6.06	NA	NA	
	Oxychlordane	12.75	NA	NA	CJ
	cis-Nonachlor	14.5	NA	NA	
	trans-Nonachlor	13.45	NA	NA	
Enviroquant/Stealth Calibration Check	Chlordane {3}	Calc	S-16340.076	I-0	quod

Primary Review: 

Secondary Review: 

Exception Report

Data File: J:\GC23\DATA\061114\0611F077.D\0611F077C.D
Lab ID: KWG1405590-1
RunType: IB
Matrix: MARINE SEDIMENT

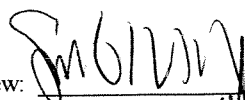
Date Acquired: 06/11/2014 19:12
Date Quantitated: 06/12/2014 08:08
Batch ID: KWG1405590
Analysis Method: 8081B
MethodJoinID: MJ1013


Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Initial Calibration Minimum RF	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	1-Bromo-2-nitrobenzene	5.48	NA	NA	SA
	Endosulfan I	12.16	NA	NA	SA
	alpha-Chlordane	12.16	NA	NA	SA
	2,4'-DDT	13.2	NA	NA	SA
	1-Bromo-2-nitrobenzene {2}	5.48	NA	NA	SA
	1-Bromo-2-nitrobenzene {3}	5.48	NA	NA	SA
	1-Bromo-2-nitrobenzene {4}	5.48	NA	NA	SA
	cis-Nonachlor	13.2	NA	NA	SA

Primary Review: 

Secondary Review: 

Quantitation Report

Data File #1:	J:\GC23\DATA\061114\0611F077.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F077.D\0611F077c.d	Vial:	6
Acqu Date:	06/11/2014 19:12	Quant Date:	06/12/2014 08:08
Run Type:	IB	Dilution:	1.0
Lab ID:	KWG1405590-1	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Bottle ID:		Tier:		Matrix:	MARINE SEDIMENT
Prod Code:	8081B PEST OC	Collect Date:		Receive Date:	06/12/2014

Analysis Lot:	KWG1405590	Prep Lot:		Report Group:	
Analysis Method:	8081B	Prep Method:			
Prep Ref:		Prep Date:			

Quant Method:	J:\GC23\METHODS\GC23-031714-	Calibration ID:	CAL13214
Title:		Method ID:	MJ1013
MB Ref:		Quant based on Method	

Internal Standard Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2
1	1-Bromo-2-nitrobenzene	6.06	c 5.48	c	1576482	631288	100.00
2	1-Bromo-2-nitrobenzene {2}	6.06	c 5.48	c	1576482	631288	100.00
3	1-Bromo-2-nitrobenzene {3}	6.06	c 5.48	c	1576482	631288	100.00
4	1-Bromo-2-nitrobenzene {4}	6.06	c 5.48	c	1576482	631288	100.00

Surrogate Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ug/L #1	ug/L #2	Rpt
1	Tetrachloro-m-xylene	0.00	7.27	0	1973		0.2370	NA
				%Recovery =		NA	NA	Limits = 20-106
1	Decachlorobiphenyl	18.51	17.07	21086m	7007m	0.4620	0.9920	NA
				%Recovery =		NA	NA	Limits = 19-127

Target Compounds

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	Final Conc. Units:		Rpt
						ug/L #1	ug/L #2	
1	alpha-BHC	9.66	8.47	4147	10421	0.1710	1.04	
1	Hexachlorobenzene	9.82		42319	0	0.6870	0.0000	
1	beta-BHC		9.76	0d	26366	0.0000	5.71	
1	gamma-BHC (Lindane)		9.25	0d	2778	0.0000	0.3000	
1	delta-BHC			0d	0d	0.0000	0.0000	
1	Heptachlor		9.93	0d	3324	0.0000	0.3840	
1	Aldrin			0	0	0.0000	0.0000	
1	Isodrin	12.57		51361	0	2.77	0.0000	
1	Heptachlor Epoxide	12.75	c	46499	0	2.28	0.0000	

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Data File #1:	J:\GC23\DATA\061114\0611F077.D	Instrument:	GC23
Data File #2:	J:\GC23\DATA\061114\0611F077.D\0611F077c.d	Vial:	6
Acqu Date:	06/11/2014 19:12	Quant Date:	06/12/2014 08:08
Run Type:	IB	Dilution:	1.0
Lab ID:	KWG1405590-1	Soln Conc. Units:	ug/L
Signal #1:	DB XLB	Signal #2:	DB-35MS

Target Compounds

Final Conc. Units: ug/L

IS #	Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ug/L #1	ug/L #2	ug/L #1	ug/L #2	Rpt
1	gamma-Chlordane	13.28	11.96	38423	22173	1.86	2.50			
1	Endosulfan I	13.45	c 12.16	c 38455	19005	2.09	2.47			
1	alpha-Chlordane		12.16	c 0	19005	0.0000	2.19			
1	Dieldrin		12.61	0	2583	0.0000	0.2980			
1	4,4'-DDE	13.64	12.52	2548m	17252	0.1280	2.01			
1	Endrin		13.09	0d	2306	0.0000	0.3090			
1	Endosulfan II	14.65	13.54	84436	3579m	4.96	0.5020			
1	4,4'-DDD	14.50	c 13.38	6938	9574	0.4280	1.43			
1	Endrin Aldehyde	14.84	13.89	4466m	7451	0.4000	1.36			
1	Endosulfan Sulfate	15.31	14.24	27755	904m	1.84	0.1360			
1	4,4'-DDT	14.99	13.80	35106m	13034	2.44	2.05			
1	Endrin Ketone	16.00	15.19	7056	4511	0.3700	0.5500			
1	Methoxychlor	15.75	14.91	12590m	8395	1.65	2.58			
1	2,4'-DDE	13.11		38027	0	2.89	0.0000			
1	2,4'-DDD	13.78		32918	0	2.75	0.0000			
1	2,4'-DDT	14.26	13.20	c 29047	13264	2.33	2.46			
	Toxaphene			0	0	113.00	83.79			
2	Toxaphene {1}	14.59	13.60	13849	708	132.96	5.76			
2	Toxaphene {2}			0d	0d	0.0000	0.0000			
2	Toxaphene {3}	14.77	13.93	25062	6489	69.66	99.36			
2	Toxaphene {4}	14.84	14.26	12726	13032	55.57	164.24			
2	Toxaphene {5}	15.19	14.67	39123	11212	167.51	75.86			
2	Toxaphene {6}	16.06	14.87	43051m	7939m	139.30	73.72			
	Chlordane			0	0	12.00	16.75			
3	Chlordane {1}		9.59	0	2496	0.0000	9.62			
3	Chlordane {2}	11.48	9.93	3587	3324	3.35	8.05			
3	Chlordane {3}		11.96	3197	22173	0.0000	24.07			
3	Chlordane {4}	13.28		38423	0	15.58	0.0000			
3	Chlordane {5}			0	0	0.0000	0.0000			
3	Chlordane {6}	13.45	12.16	38455	19005	29.08	25.28			
4	Chlorpyrifos	12.00		49346	0	5.80	0.0000			
4	Oxychlordane	12.75	c	46499	0	2.76	0.0000			
4	cis-Nonachlor	14.50	c 13.20	c 5035m	13264	0.2490	1.46			
4	trans-Nonachlor	13.45	c	38455	0	1.91	0.0000			
4	Mirex	16.82		7650	0	0.5080	0.0000			
4	Hexachloroethane	4.04	3.42	28258	12624	0.7590	0.8630			
4	Hexachlorobutadiene	4.85	3.97	1035	962	0.0360	0.0820			
4	Alachlor			0	0	0.0000	0.0000			

U: Undetected at or above MDL
 J: Analyte detected above MDL, but below MRL
 B: Hit above MRL also found in Method Blank
 E: Analyte concentration above high point of ICAL
 N: Presumptive evidence of compound

D: Result from dilution
 m: Manual integration performed
 d: Compound manually deleted
 NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
 #: Acceptance criteria not applicable
 ?: Insufficient information to determine acceptance
 e: Result >= MRL, but MRL less than low point of ICAL
 c: check for co-elution

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
 Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
 Sample : IB Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:06:25 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
Internal Standards						
1) i 1-Bromo-2-nitrob	6.06	5.48	1576482	631288	100.000	100.000
29) 1-Bromo-2-nitrob	6.06	5.48	1576482	631288	100.000	100.000
36) 1-Bromo-2-nitrob	6.06	5.48	1576482	631288	100.000	100.000
43) 1-Bromo-2-nitrob	6.06	5.48	1576482	631288	100.000	100.000
System Monitoring Compounds						
2) s Tetrachloro-m-xy	0.00	7.27	0	1973	N.D.	0.237 #
28) s Decachlorobiphen	18.51	17.07	21086	7007	0.462m	0.992m#
Target Compounds						
3) alpha-BHC	9.66	8.47	4147	10421	0.171	1.038 #
4) Hexachlorobenzen	9.82	0.00	42319	0	0.687	N.D. #
5) beta-BHC	0.00	9.76	0	26366	N.D. d	5.709
6) gamma-BHC (Linda	0.00	9.25	0	2778	N.D. d	0.300
8) Heptachlor	0.00	9.93	0	3324	N.D. d	0.384
10) Isodrin	12.57	0.00	51361	0	2.771	N.D. #
11) Heptachlor Epoxi	12.75f	0.00	46499	0	2.275	N.D. #
12) gamma-Chlordane	13.28	11.96	38423	22173	1.859	2.497 #
13) Endosulfan I	13.45	12.16f	38455	19005	2.086	2.473
14) alpha-Chlordane	0.00	12.16f	0	19005	N.D.	2.185 #
15) Dieldrin	0.00	12.61	0	2583	N.D.	0.298 #
16) 4,4'-DDE	13.64	12.52f	2548	17252	0.128m	2.005 #
17) Endrin	0.00	13.09	0	2306	N.D. d	0.309
18) Endosulfan II	14.65	13.54	84436	3579	4.955	0.502m#
19) 4,4'-DDD	14.50	13.38	6938	9574	0.428	1.425 #
20) Endrin Aldehyde	14.84	13.89	4466	7451	0.400m	1.355 #
21) Endosulfan Sulfa	15.31	14.24	27755	904	1.839	0.136m#
22) 4,4'-DDT	14.99	13.80	35106	13034	2.437m	2.049
23) Endrin Ketone	16.00	15.19	7056	4511	0.370	0.550 #
24) Methoxychlor	15.75	14.91	12590	8395	1.647m	2.584 #
25) 2,4'-DDE	13.11f	0.00	38027	0	2.887	N.D. #
26) 2,4'-DDD	13.78f	0.00	32918	0	2.745	N.D. #
27) 2,4'-DDT	14.26f	13.20	29047	13264	2.325	2.456
30) Toxaphene	14.59	13.60	13849	708	132.959	5.764 #
32) Toxaphene {3}	14.77	13.93	25062	6489	69.663	99.363 #

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
 Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
 Sample : IB Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 08:06:25 2014 Quant Results File: GC23-031714-8081.RE

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Initial Calibration
 DataAcq Meth : PEST1UL.M

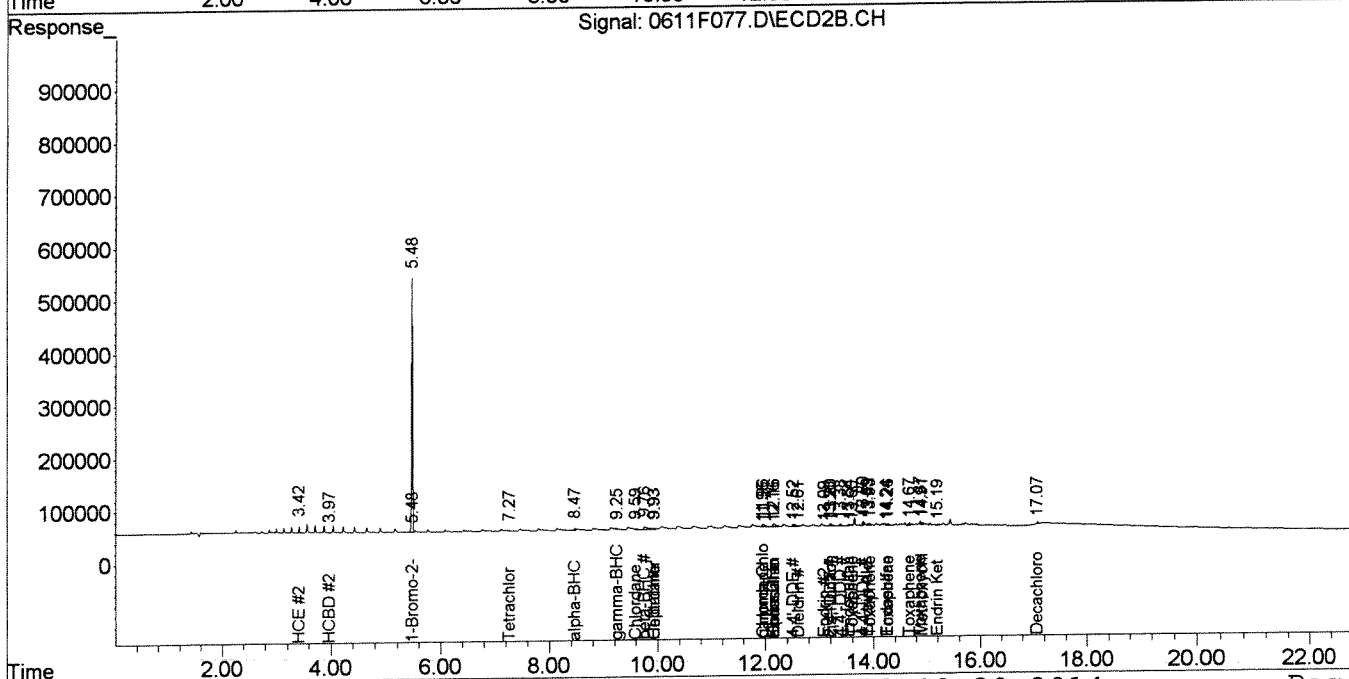
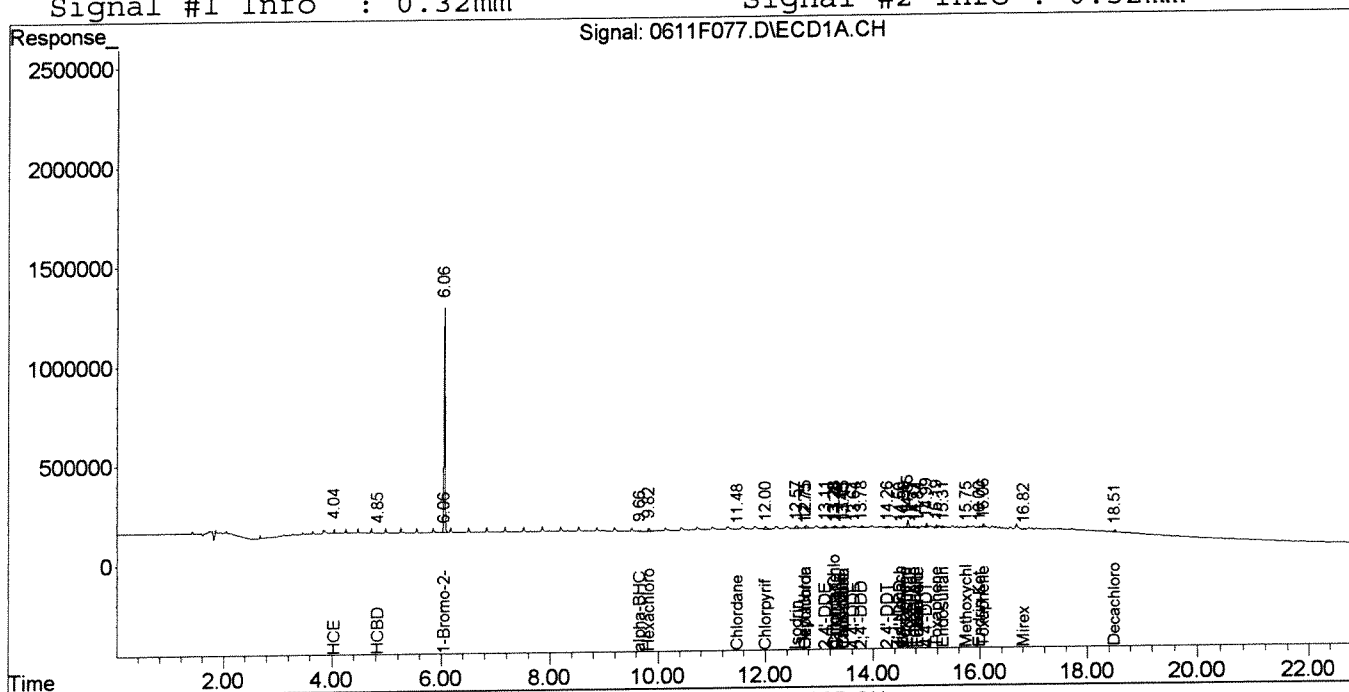
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/L	ug/L
33) Toxaphene {4}	14.84	14.26f	12726	13032	55.568	164.241 #
34) Toxaphene {5}	15.19	14.67	39123	11212	167.505	75.861 #
35) Toxaphene {6}	16.06	14.87	43051	7939	139.299m	73.718m#
37) Chlordane	0.00	9.59	0	2496	N.D.	9.624 #
38) Chlordane {2}	11.48f	9.93	3587	3324	3.346	8.046 #
39) Chlordane {3}	12.14f	11.96	3197	22173	BelowCal	24.069
40) Chlordane {4}	13.28	0.00	38423	0	15.582	N.D. #
42) Chlordane {6}	13.45	12.16f	38455	19005	29.077	25.280
44) Chlorpyrifos	12.00	0.00	49346	0	5.803	N.D. #
45) Oxychlordane	12.75	0.00	46499	0	2.761	N.D. #
46) cis-Nonachlor	14.50	13.20	5035	13264	0.249m	1.459 #
47) trans-Nonachlor	13.45	0.00	38455	0	1.909	N.D. #
48) Mirex	16.82f	0.00	7650	0	0.508	N.D. #
49) HCE	4.04	3.42	28258	12624	0.759	0.863
50) HCBd	4.85f	3.97	1035	962	0.036	0.082 #

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
 Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
 Sample : IB Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:08 2014 Quant Results File: GC23-031714-8081.RES

Quant Method : J:\GC23\M...\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration
 DataAcq Meth : PEST1UL.M

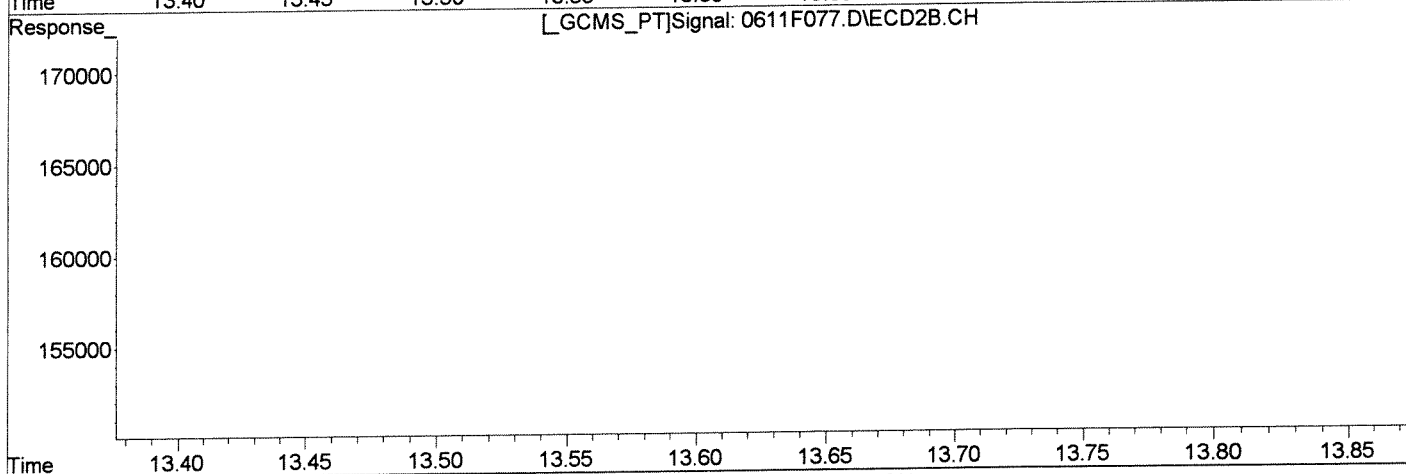
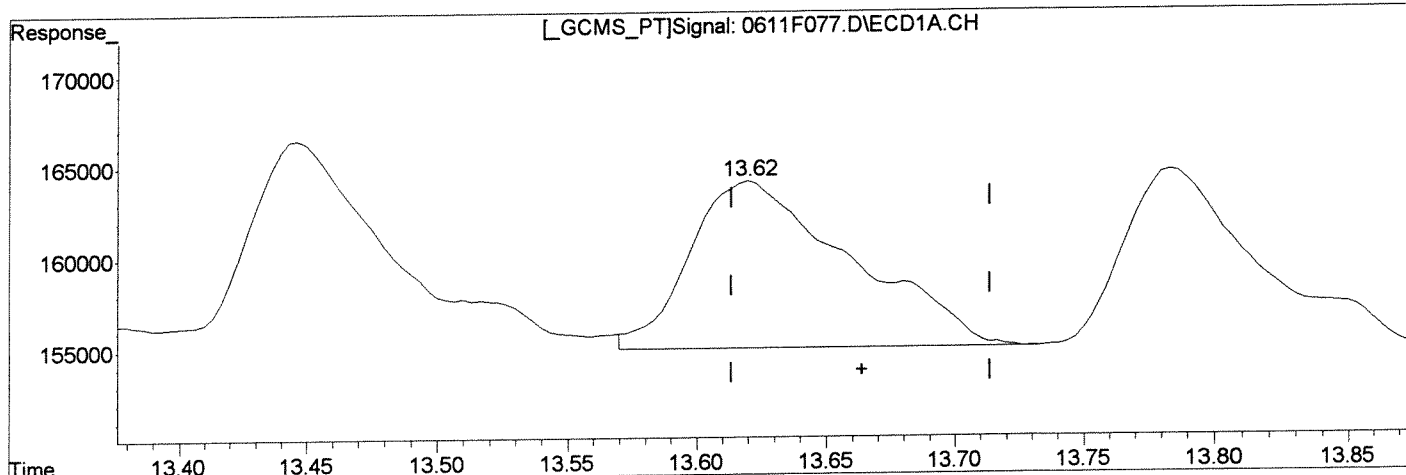
Volume Inj. :
 Signal #1 Phase : DB XLB Signal #2 Phase: DB-35MS
 Signal #1 Info : 0.32mm Signal #2 Info : 0.32mm



Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
 Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
 Sample : IB Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH

(16) 4,4'-DDE	Manual Integration:
13.62min 1.978ug/L	Before
response 39268	06/12/14
(16) 4,4'-DDE #2	
12.52min 2.005ug/L	
response 17252	

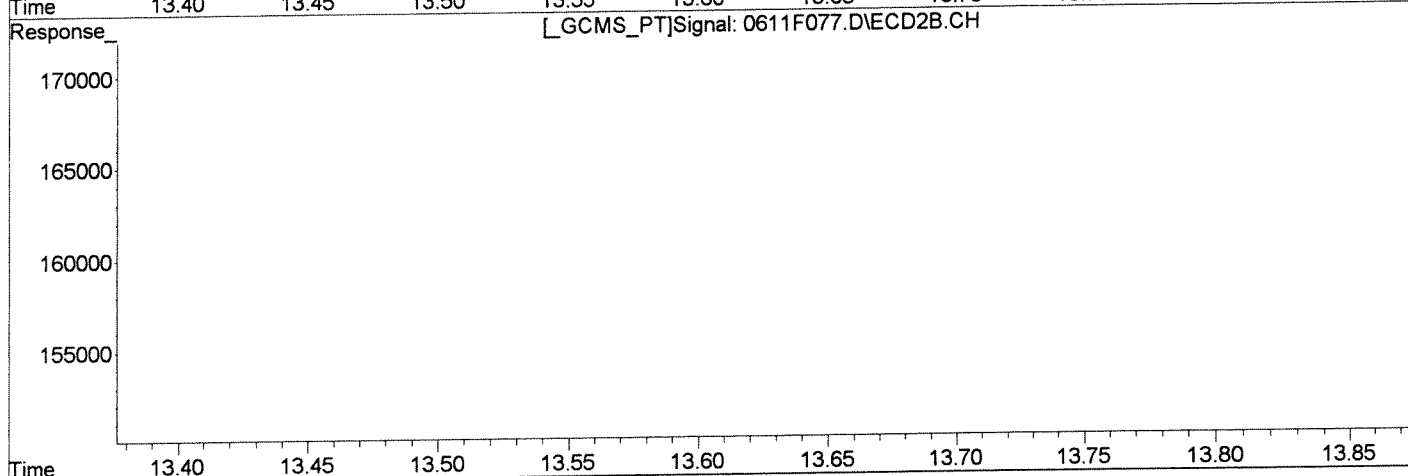
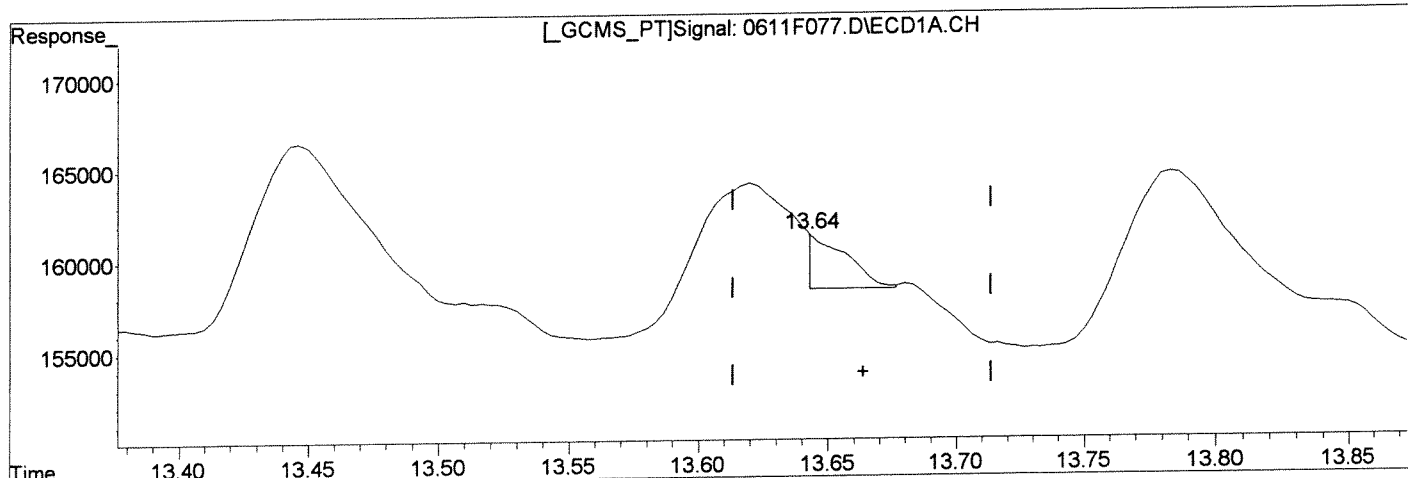
(+) = Expected Retention Time
 0611F077.D GC23-031714-8081.M

Thu Jun 12 08:07:00 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
Sample : IB Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH

Manual Integration:

After

Wrong Peak

06/12/14

(16) 4,4'-DDE
13.64min 0.128ug/L m
response 2548

(16) 4,4'-DDE #2
12.52min 2.005ug/L
response 17252

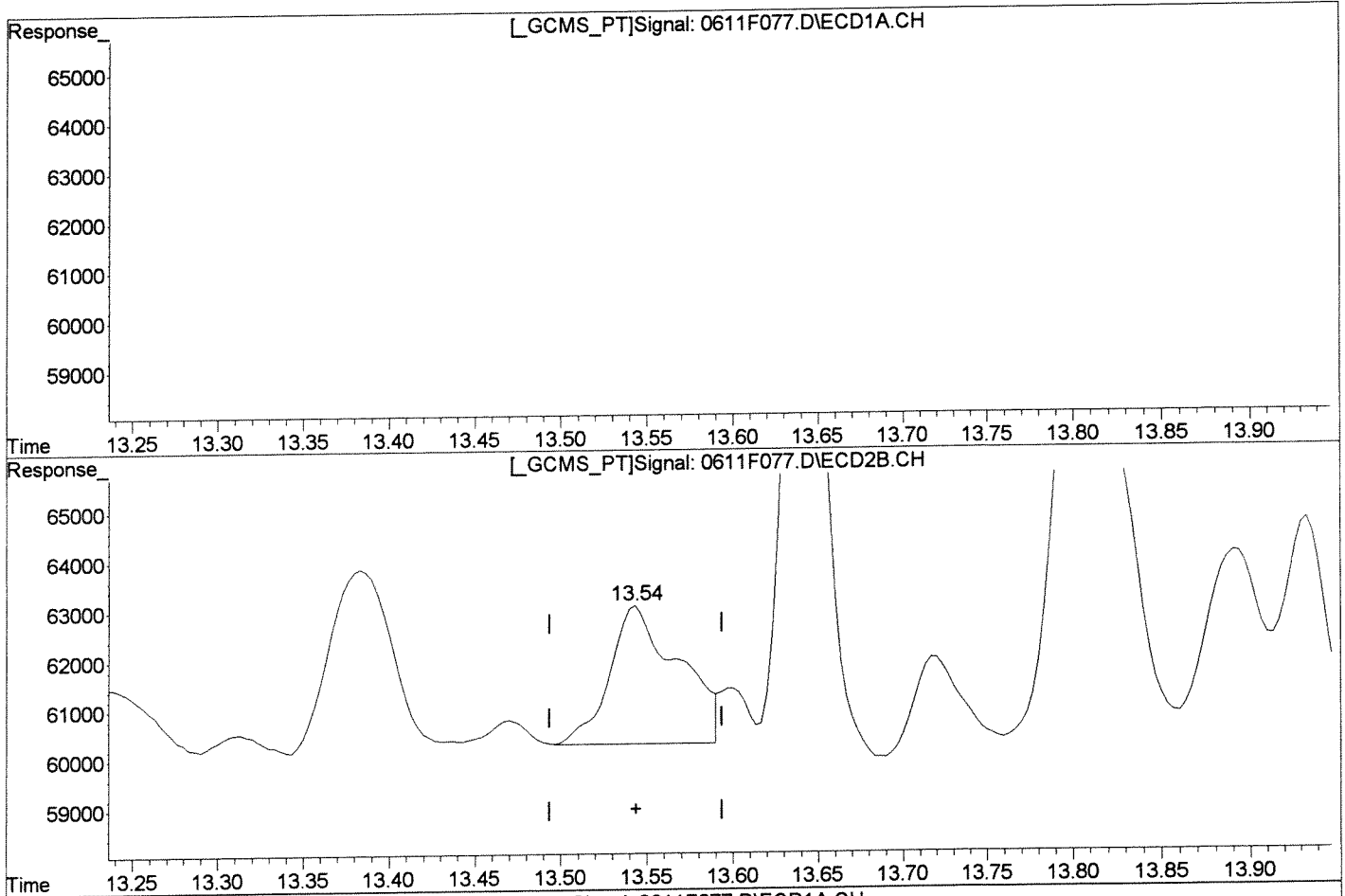
(+) = Expected Retention Time
0611F077.D GC23-031714-8081.M

Thu Jun 12 08:07:05 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
Sample : IB Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH		Manual Integration:
(18) Endosulfan II		Before
14.65min 4.955ug/L		
response 84436		06/12/14
(18) Endosulfan II #2		
13.54min 1.088ug/L		
response 7757		

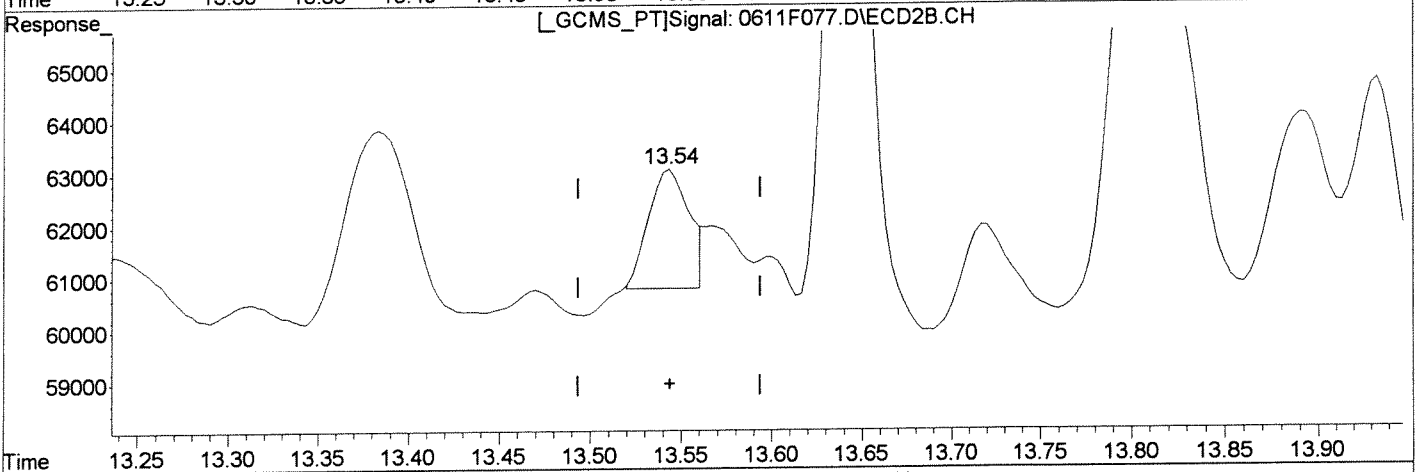
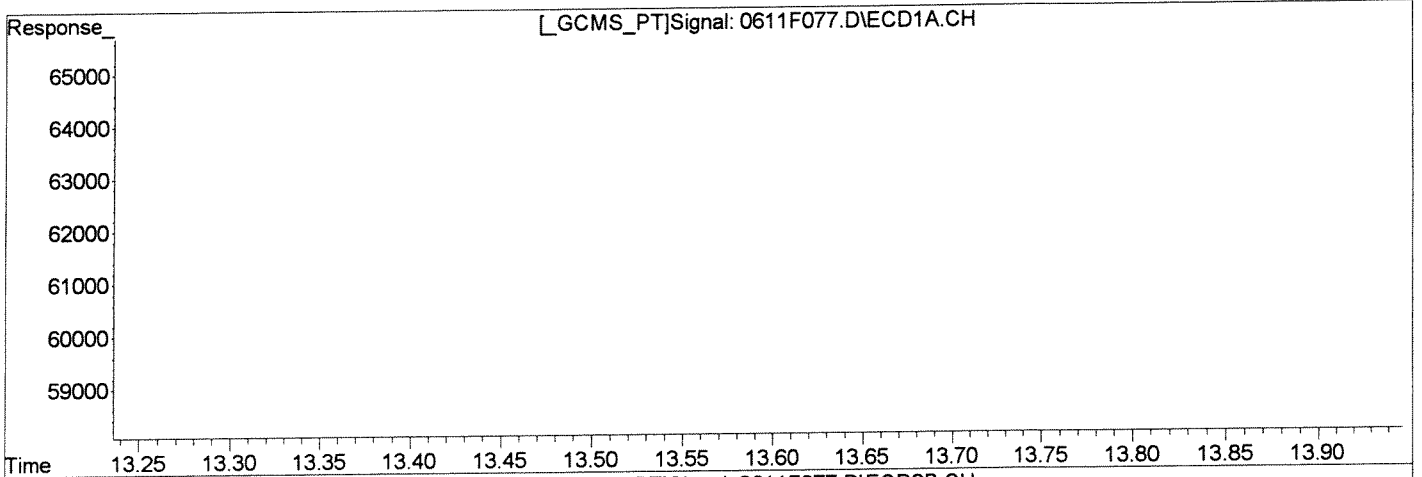
(+) = Expected Retention Time
0611F077.D GC23-031714-8081.M

Thu Jun 12 08:07:11 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
Sample : IB Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH	
(18) Endosulfan II	Manual Integration:
14.65min 4.955ug/L	After
response 84436	Baseline/Shoulder
	06/12/14
(18) Endosulfan II #2	
13.54min 0.502ug/L m	
response 3579	

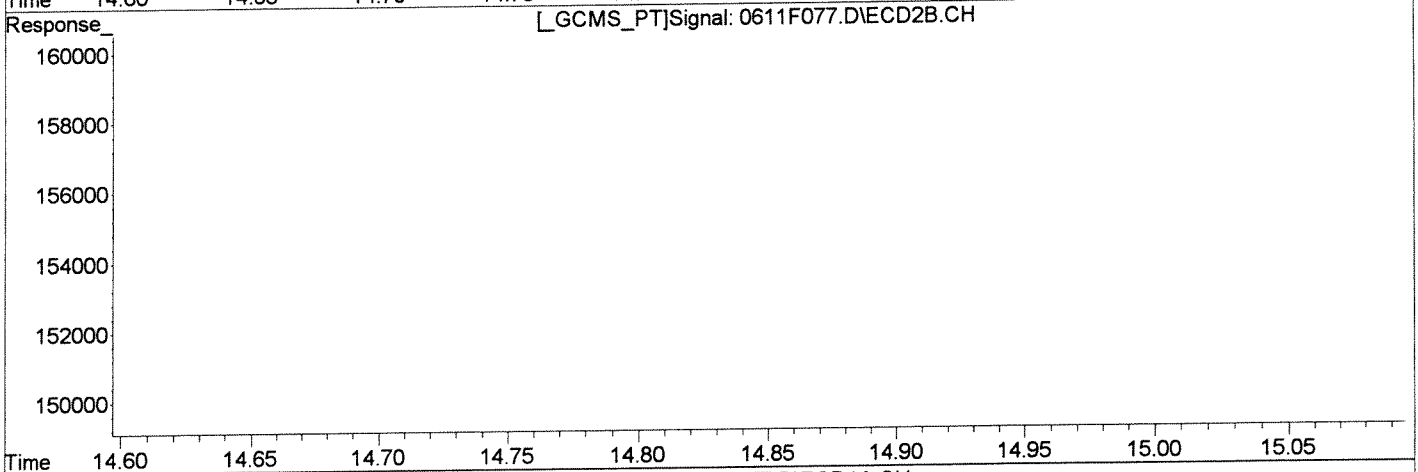
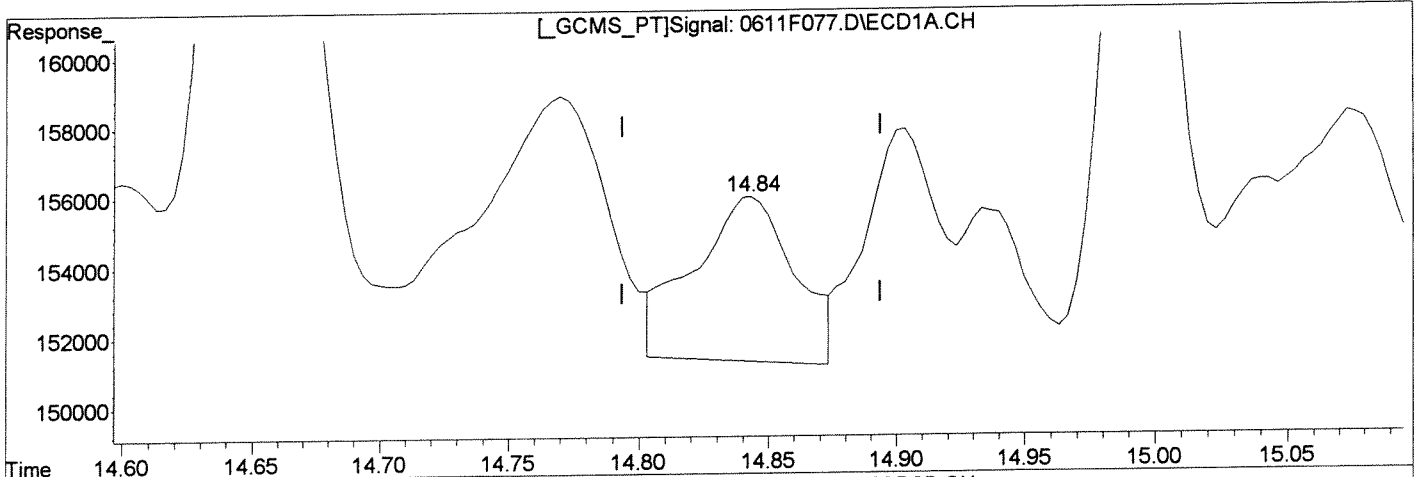
(+) = Expected Retention Time
0611F077.D GC23-031714-8081.M

Thu Jun 12 08:07:14 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
Sample : IB Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
(20) Endrin Aldehyde	1.139	12726
(20) Endrin Aldehyde #2	1.355	7451

Manual Integration:
Before
06/12/14

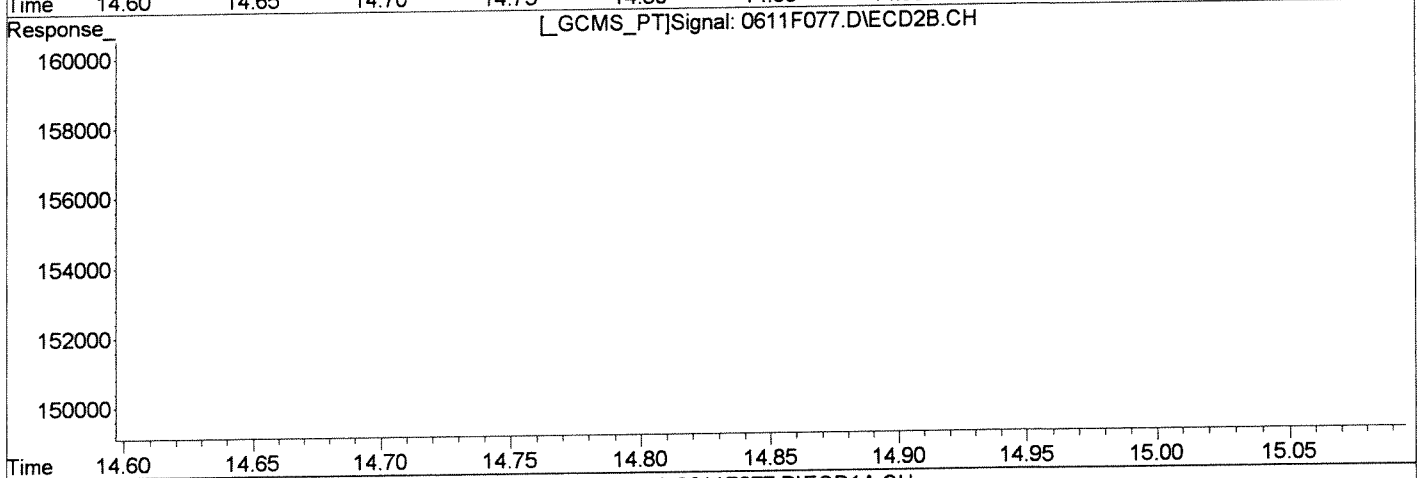
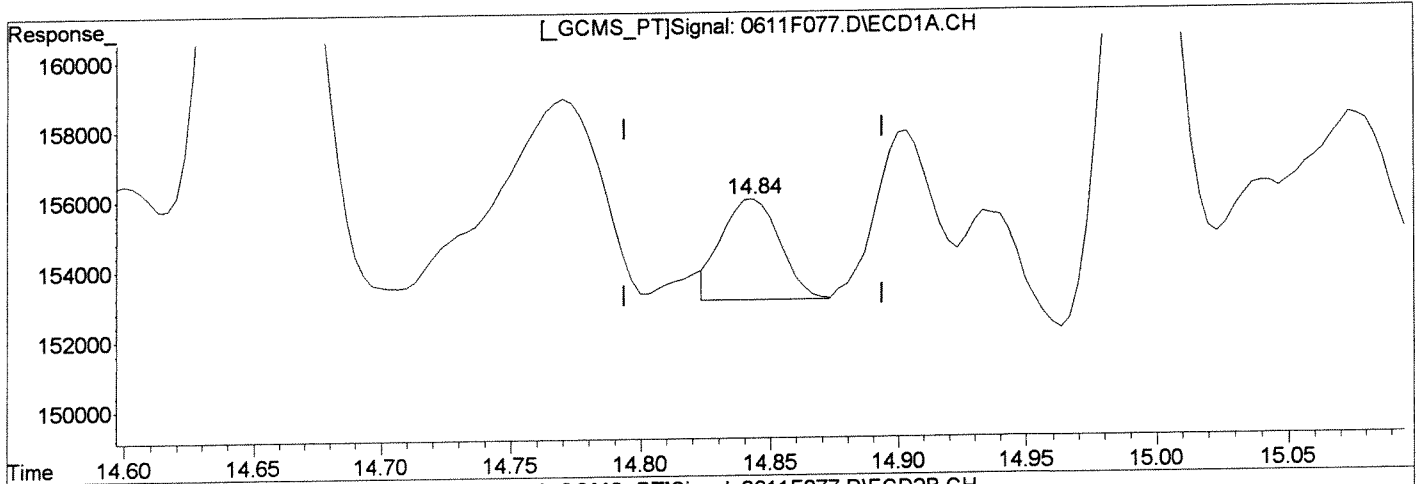
(+) = Expected Retention Time
0611F077.D GC23-031714-8081.M

Thu Jun 12 08:07:19 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
Sample : IB Inst : GC23
Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH

(20) Endrin Aldehyde	Manual Integration:
14.84min 0.400ug/L m	After
response 4466	Baseline/Shoulder
	06/12/14
(20) Endrin Aldehyde #2	
13.89min 1.355ug/L	
response 7451	

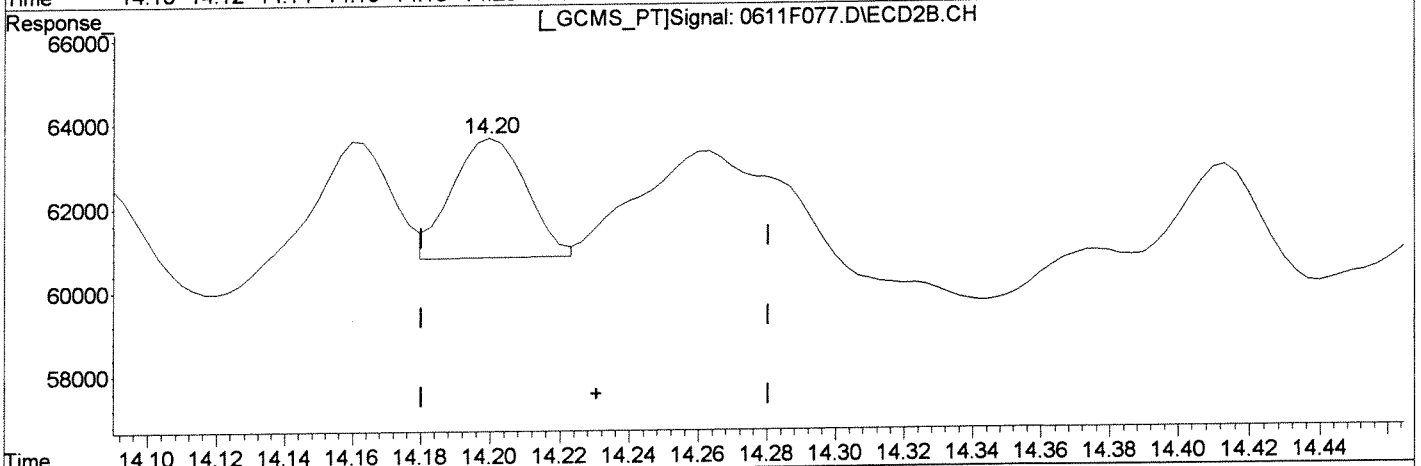
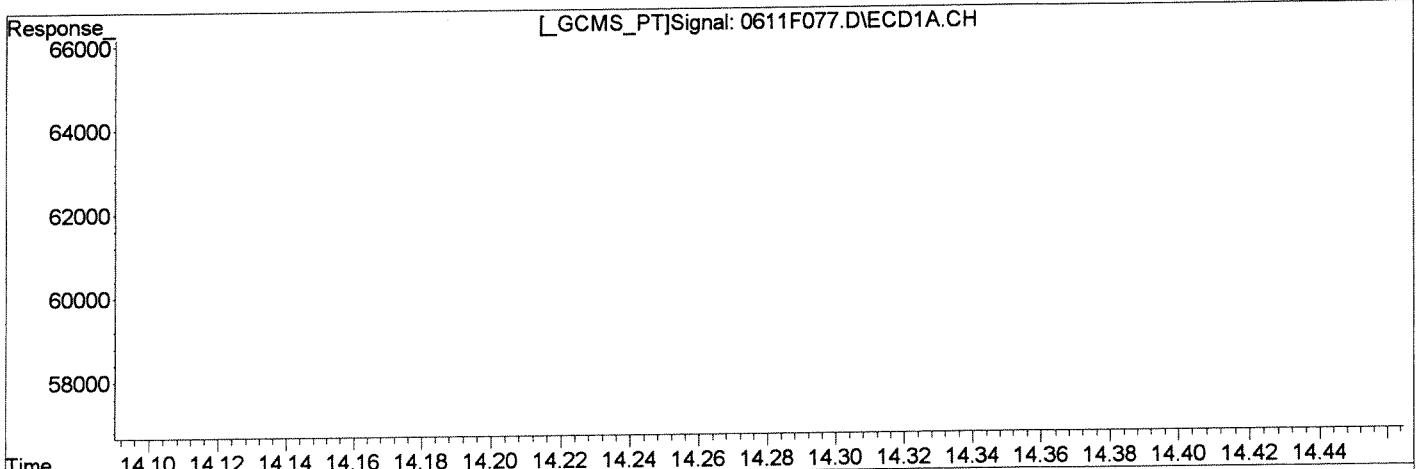
(+) = Expected Retention Time
0611F077.D GC23-031714-8081.M

Thu Jun 12 08:07:21 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
Sample : IB Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH		Manual Integration:
(21) Endosulfan Sulfate		Before
15.31min 1.839ug/L		
response 27755		06/12/14
(21) Endosulfan Sulfate #2		
14.20min 0.628ug/L		
response 4175		

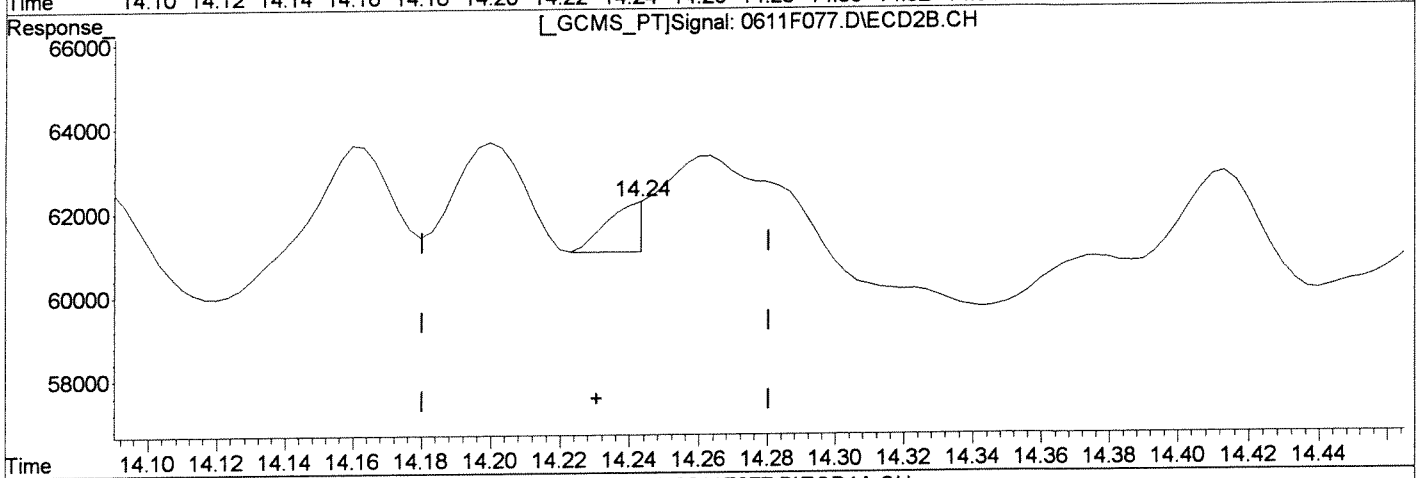
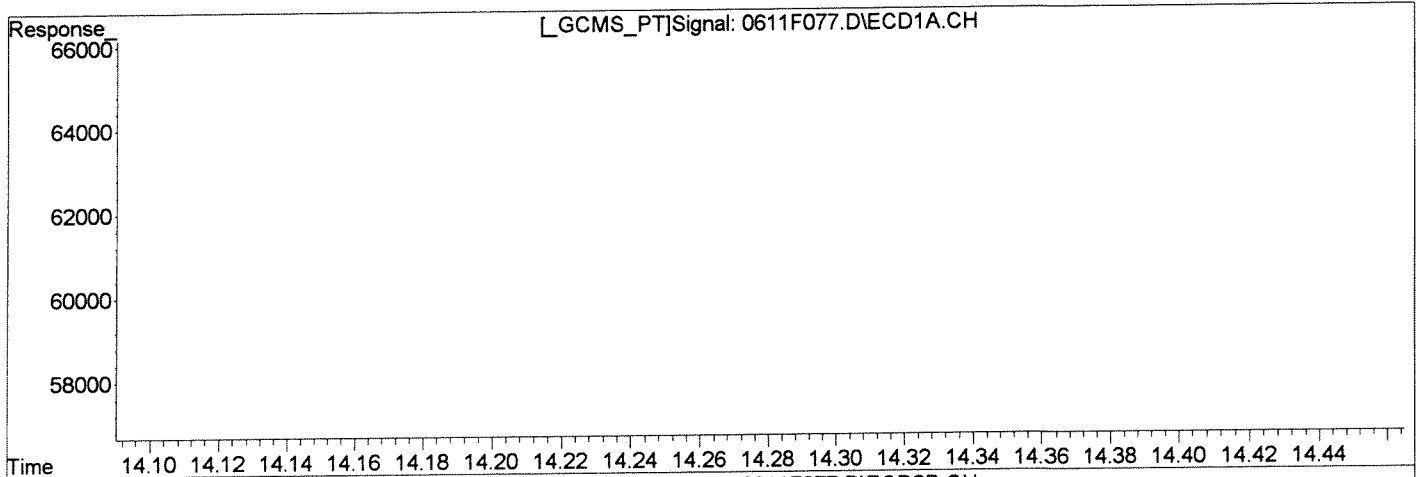
(+) = Expected Retention Time
0611F077.D GC23-031714-8081.M

Thu Jun 12 08:07:28 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
 Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
 Sample : IB Inst : GC23
 Misc : SEMIVOA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH		Manual Integration:
(21) Endosulfan Sulfate		After
15.31min 1.839ug/L		Wrong Peak
response 27755		06/12/14
(21) Endosulfan Sulfate #2		
14.24min 0.136ug/L m		
response 904		

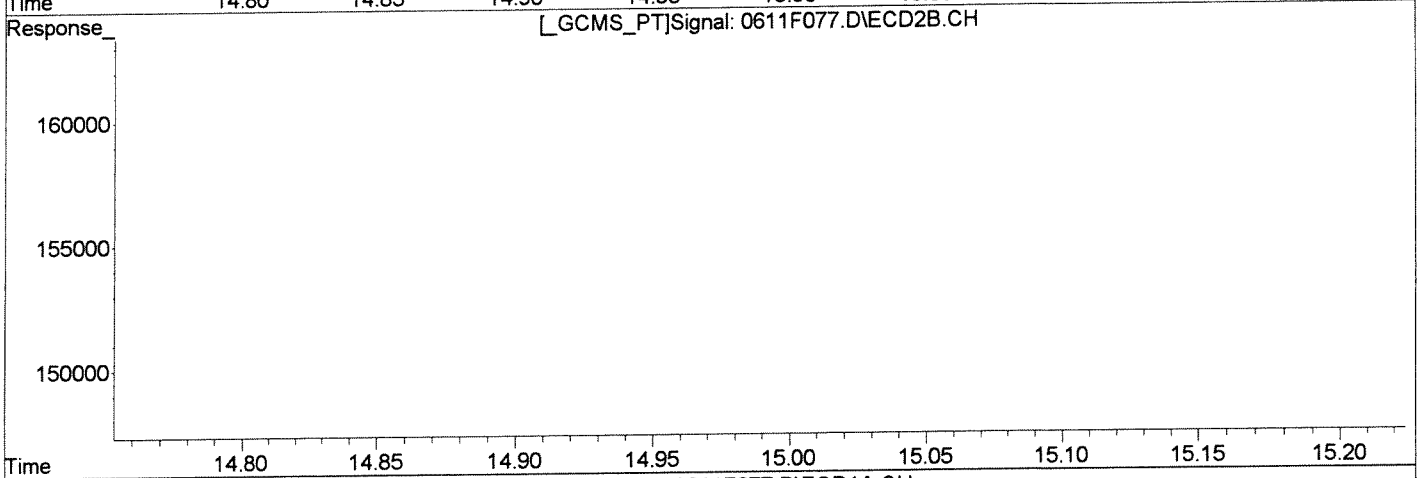
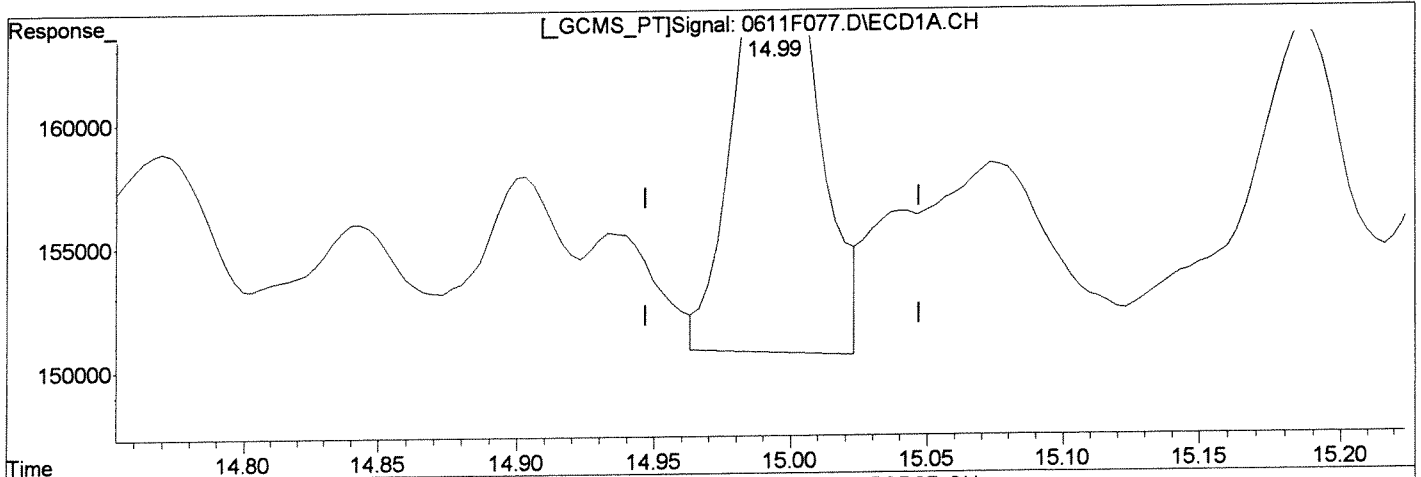
(+) = Expected Retention Time
 0611F077.D GC23-031714-8081.M

Thu Jun 12 08:07:31 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
Sample : IB Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH

(22) 4,4'-DDT	Manual Integration:
14.99min 2.819ug/L	Before
response 40621	06/12/14
(22) 4,4'-DDT #2	
13.80min 2.049ug/L	
response 13034	

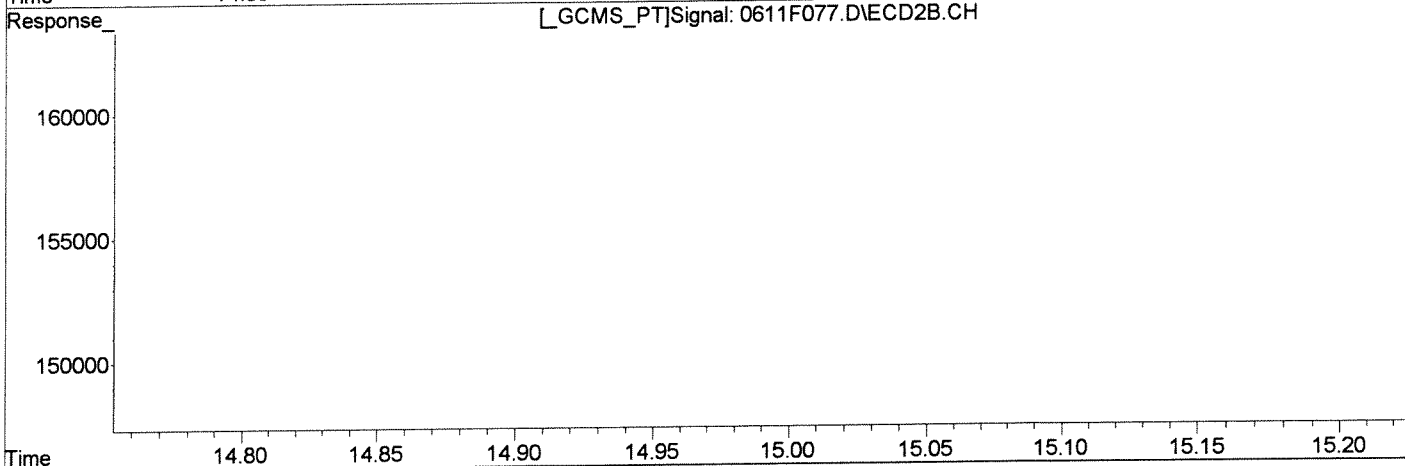
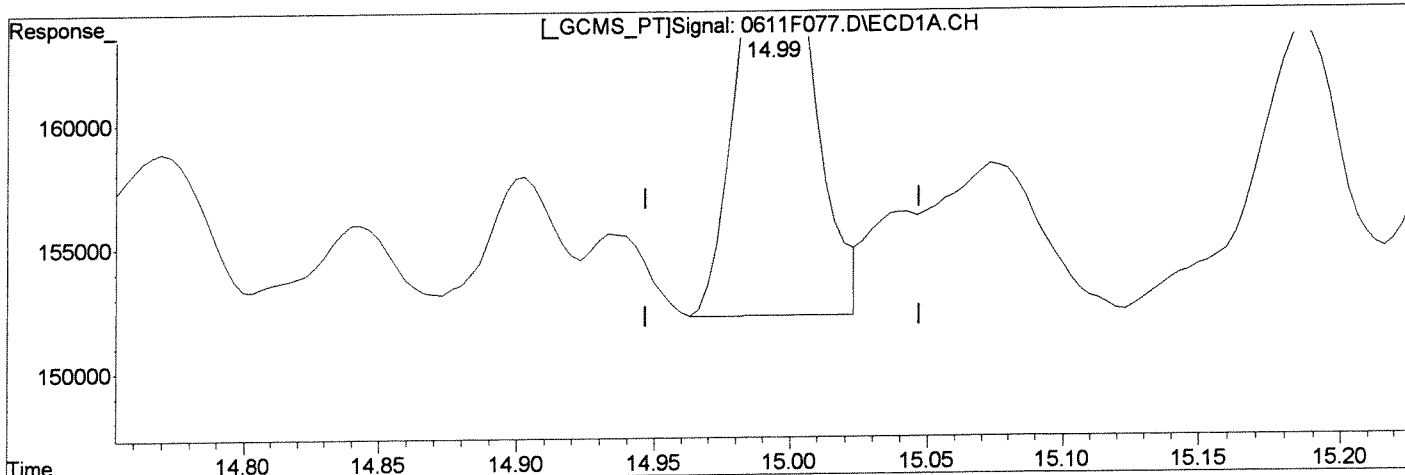
(+) = Expected Retention Time
0611F077.D GC23-031714-8081.M

Thu Jun 12 08:07:36 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
 Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
 Sample : IB Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH

(22) 4,4'-DDT	Manual Integration:
14.99min 2.437ug/L m	After
response 35106	Baseline/Shoulder
	06/12/14
(22) 4,4'-DDT #2	
13.80min 2.049ug/L	
response 13034	

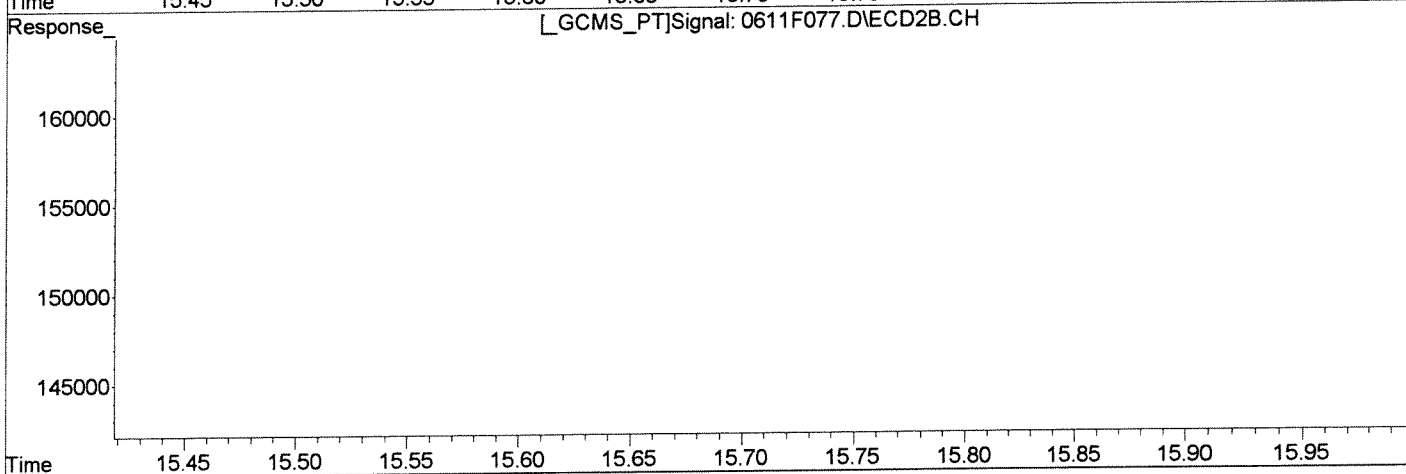
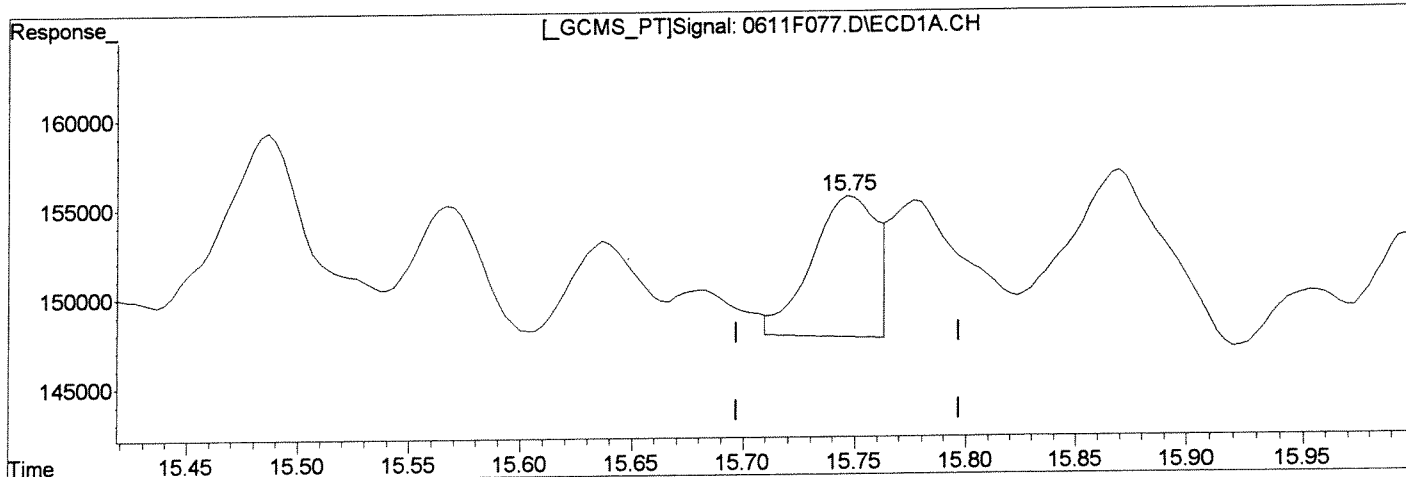
(+) = Expected Retention Time
 0611F077.D GC23-031714-8081.M


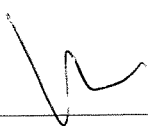
Thu Jun 12 08:07:38 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
 Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
 Sample : IB Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH		Manual Integration:
(24) Methoxychlor		Before
15.75min 2.140ug/L		
response 16362		06/12/14
(24) Methoxychlor #2		
14.91min 2.584ug/L		
response 8395		

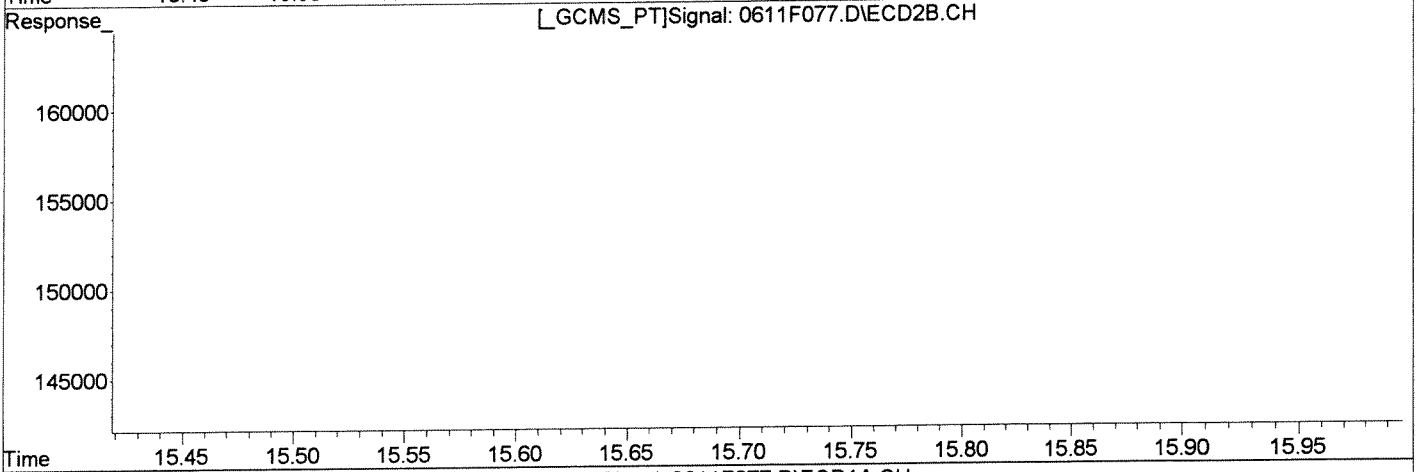
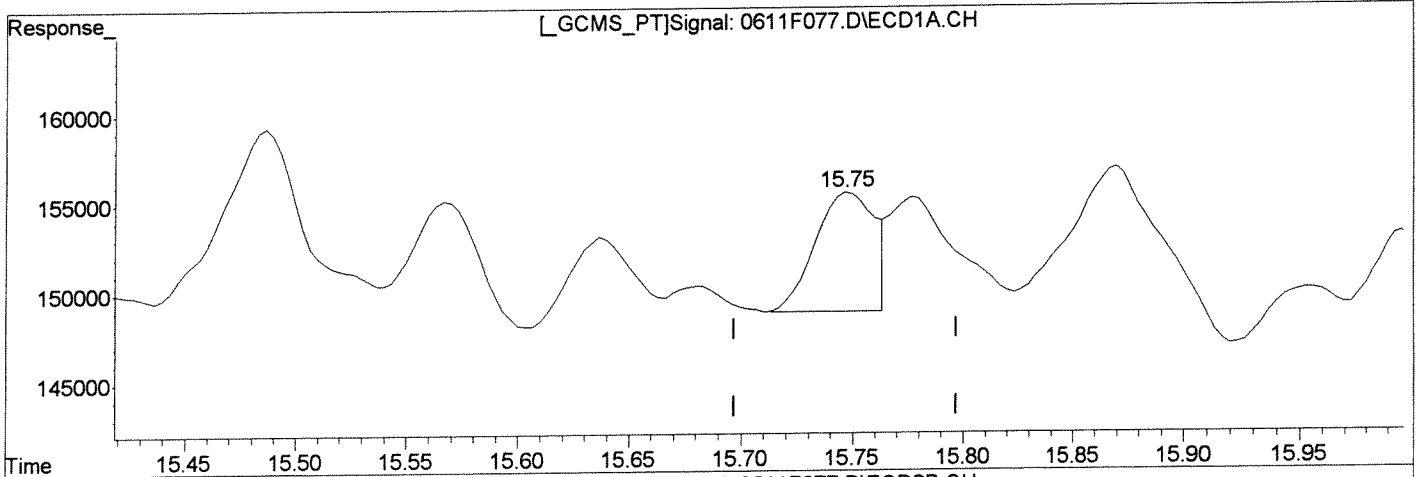
(+) = Expected Retention Time
 0611F077.D GC23-031714-8081.M

Thu Jun 12 08:07:51 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
Sample : IB Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
(24) Methoxychlor	1.647	12590
(24) Methoxychlor #2	2.584	8395

Manual Integration:
After
Baseline/Shoulder
06/12/14

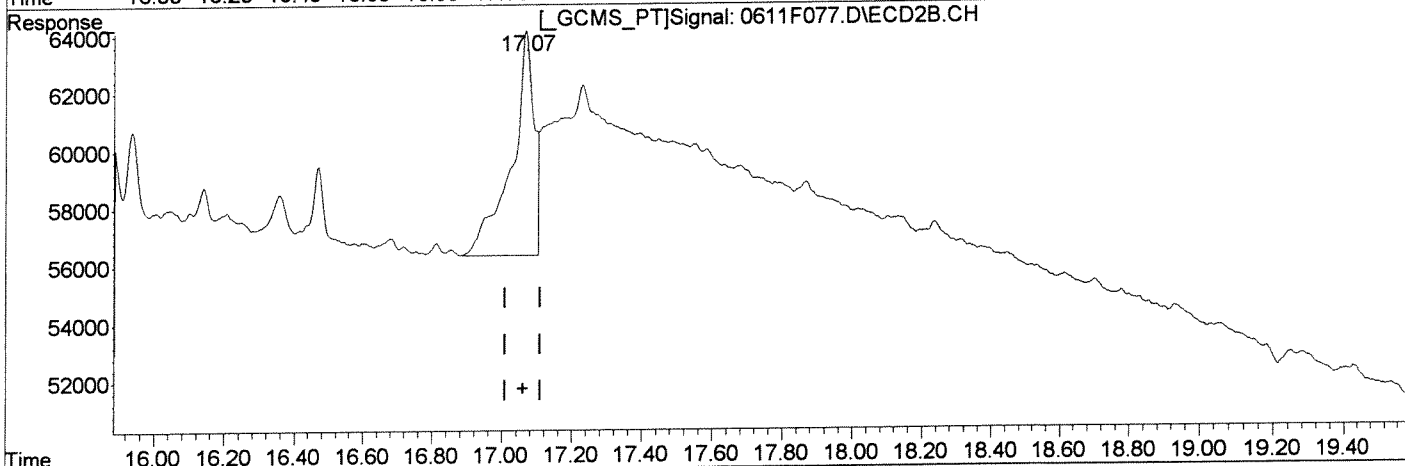
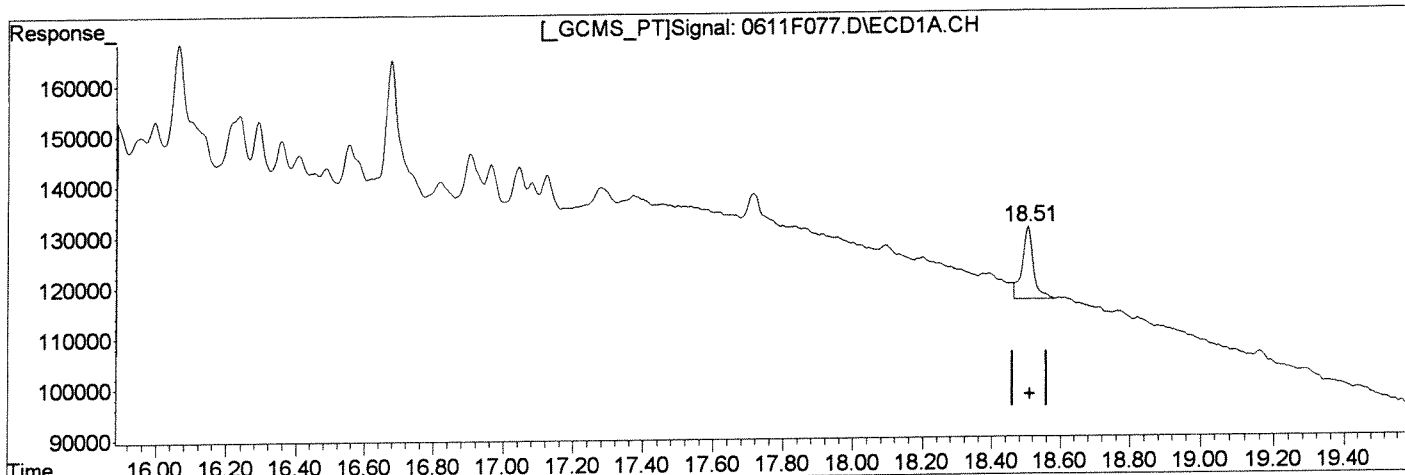
(+) = Expected Retention Time
0611F077.D GC23-031714-8081.M

Thu Jun 12 08:07:56 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
 Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
 Sample : IB Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH

(28) Decachlorobiphenyl (s)	Manual Integration:
18.51min 1.131ug/L	Before
response 32572	06/12/14
(28) Decachlorobiphenyl #2 (s)	
17.07min 4.918ug/L	
response 34731	

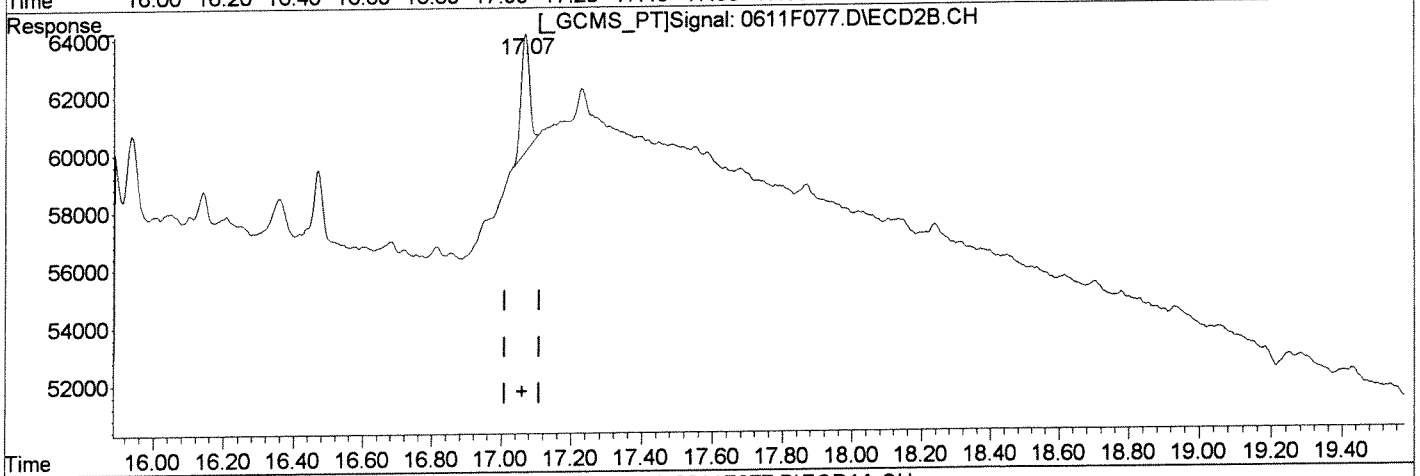
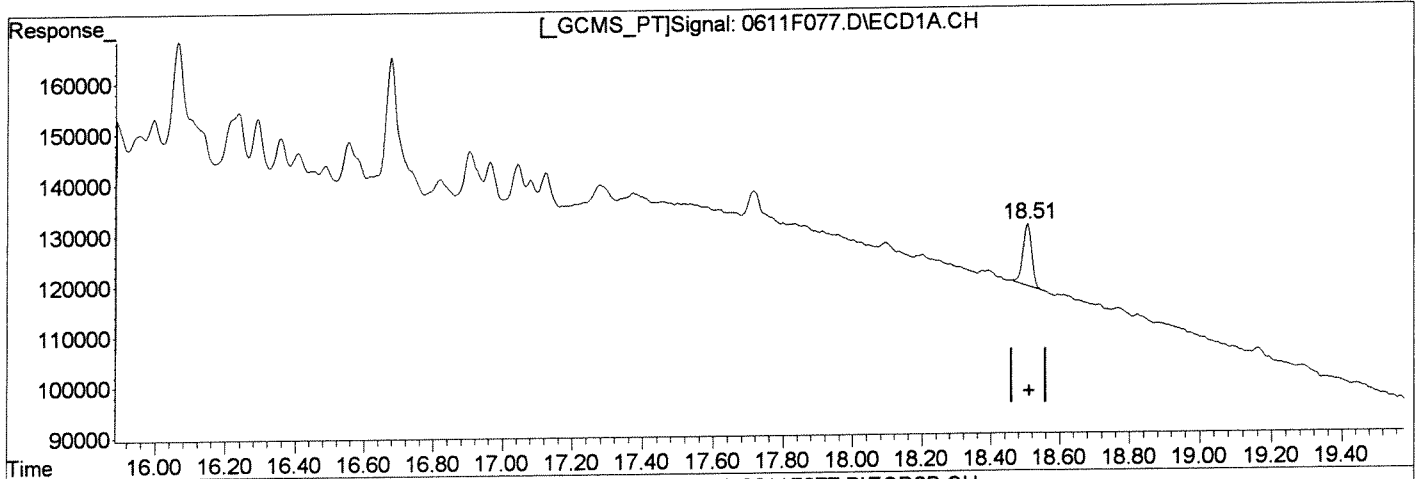
(+) = Expected Retention Time
 0611F077.D GC23-031714-8081.M

Thu Jun 12 08:08:02 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
 Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
 Sample : IB Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH		Manual Integration:
(28) Decachlorobiphenyl (s)		After
18.51min 0.462ug/L m		Baseline/Shoulder
response 21086		06/12/14
(28) Decachlorobiphenyl #2 (s)		
17.07min 0.992ug/L m		
response 7007		

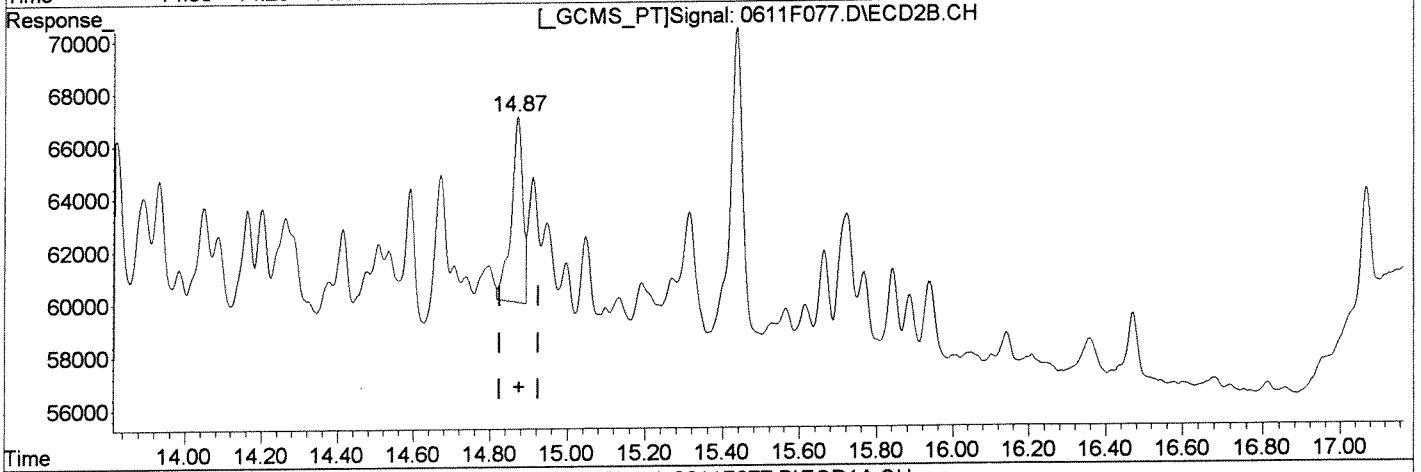
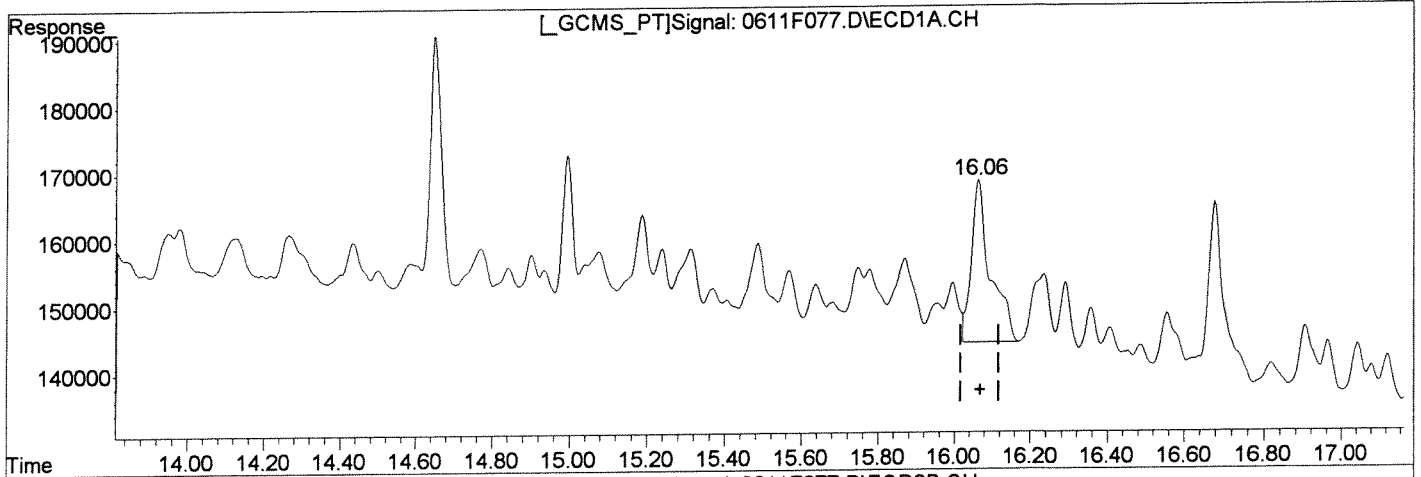
(+) = Expected Retention Time
 0611F077.D GC23-031714-8081.M

Thu Jun 12 08:08:09 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
Sample : IB Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH

Retention Time	Concentration	Response	Integration Status
16.06min	272.431ug/L	84196	Manual Integration: Before
14.87min	135.616ug/L	14605	06/12/14

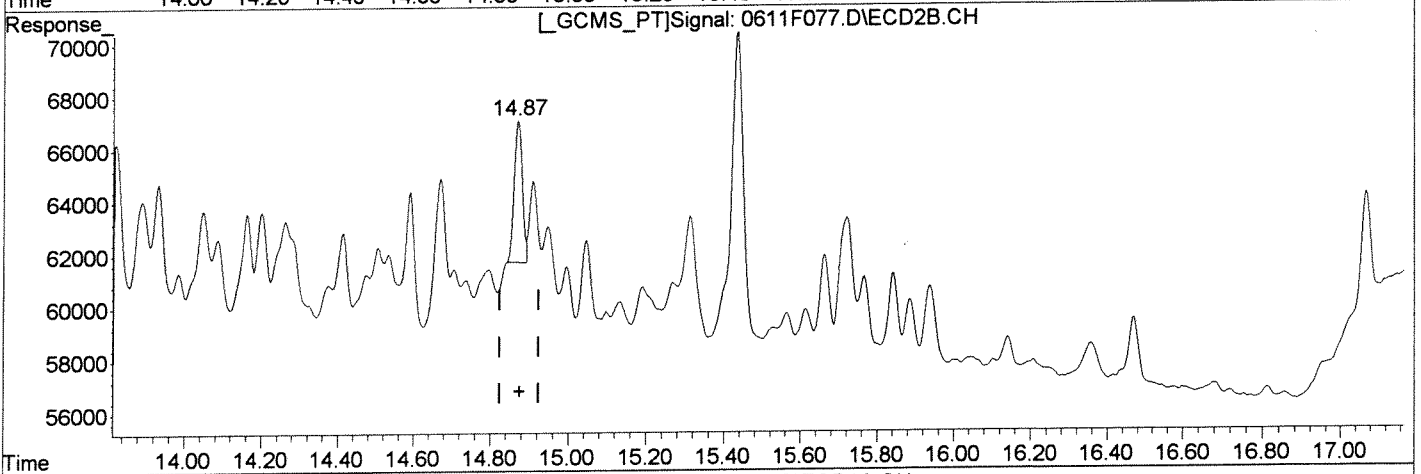
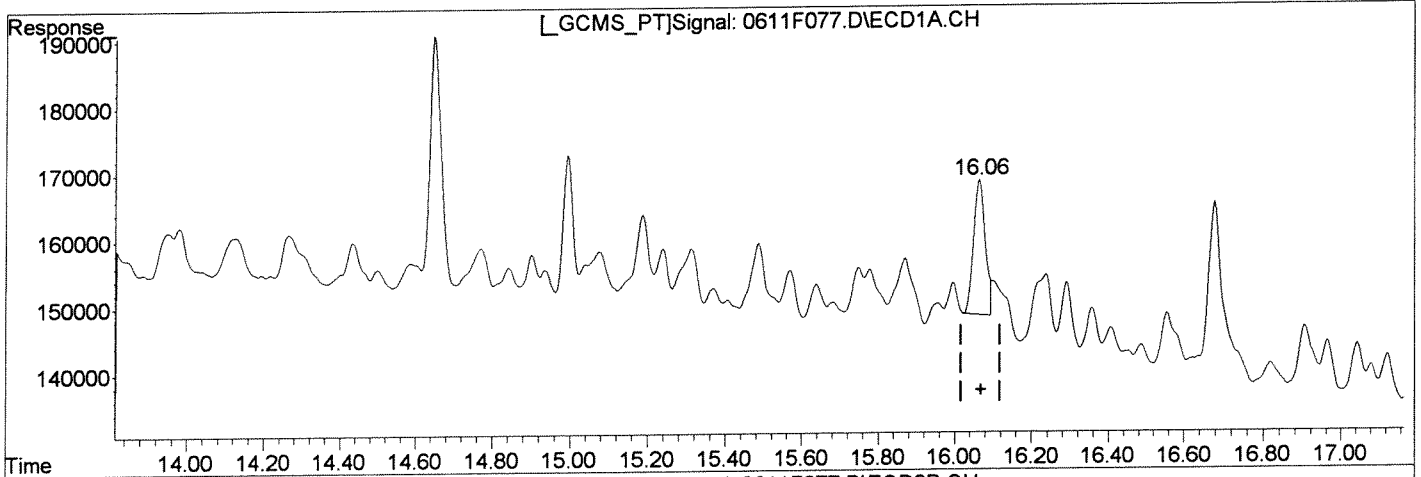
(+) = Expected Retention Time
0611F077.D GC23-031714-8081.M

Thu Jun 12 08:08:17 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
 Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
 Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
 Sample : IB Inst : GC23
 Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
 IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
 Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
 Title : CAL 13214
 Last Update : Thu Jun 12 08:03:48 2014
 Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH

(35) Toxaphene (6)	Manual Integration:
16.06min 139.299ug/L m	After
response 43051	Baseline/Shoulder
	06/12/14
(35) Toxaphene (6) #2	
14.87min 73.718ug/L m	
response 7939	

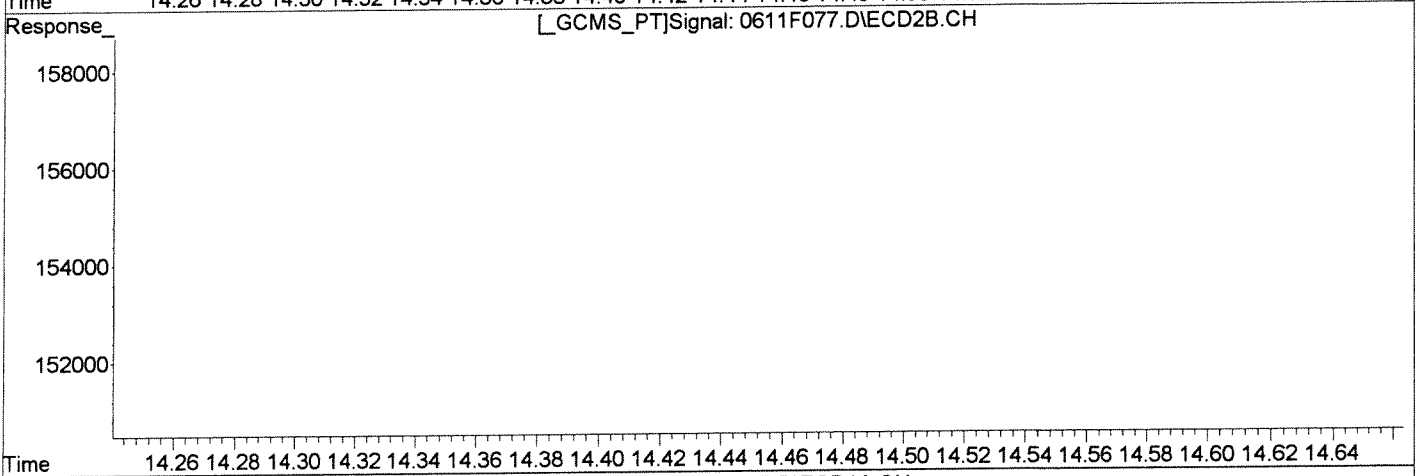
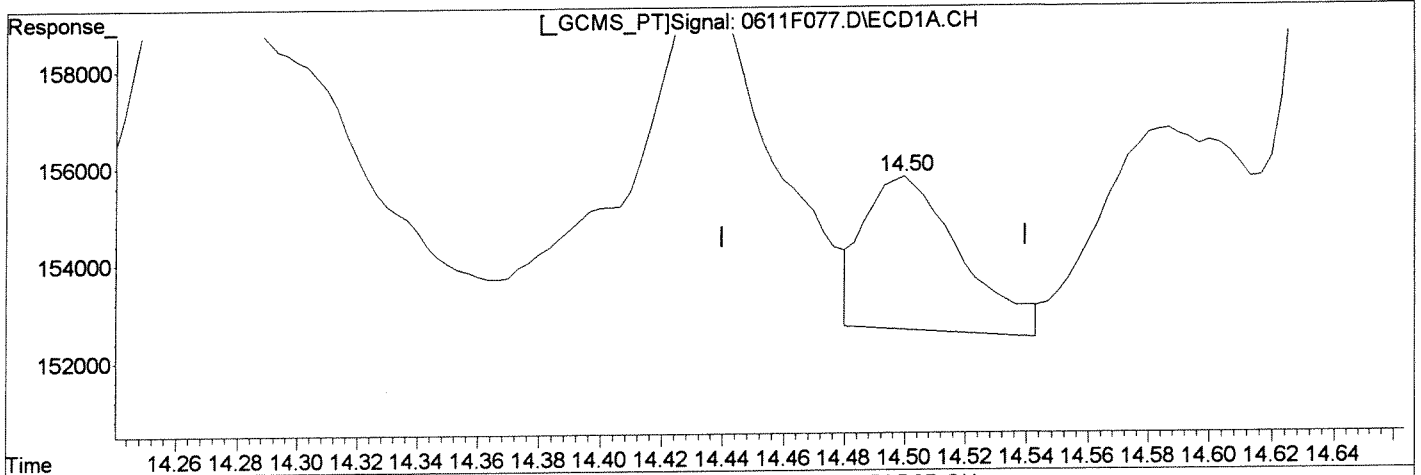
(+) = Expected Retention Time
 0611F077.D GC23-031714-8081.M

Thu Jun 12 08:08:25 2014

Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
Sample : IB Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH

Retention Time (min)	Concentration (ug/L)	Response
(46) cis-Nonachlor	0.344	6938
(46) cis-Nonachlor #2	1.459	13264

Manual Integration:
Before
06/12/14

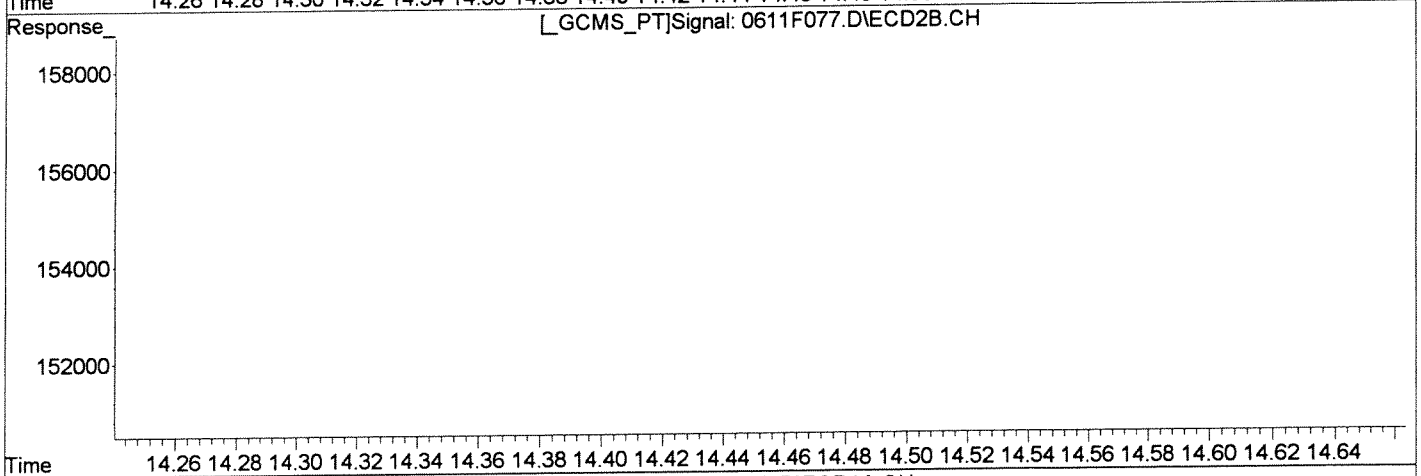
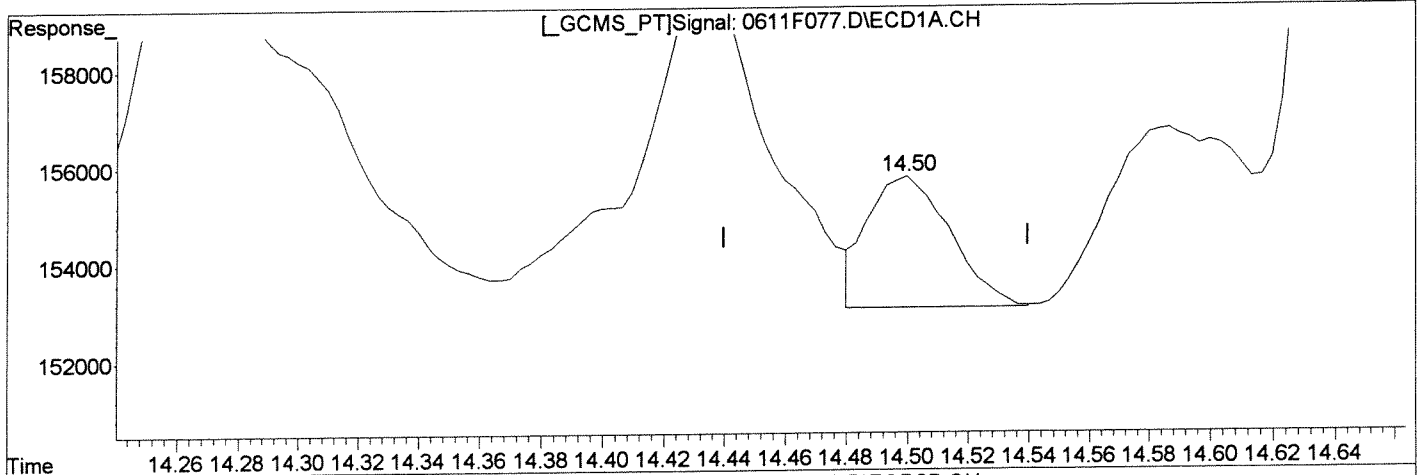
(+) = Expected Retention Time
0611F077.D GC23-031714-8081.M

Thu Jun 12 08:08:48 2014

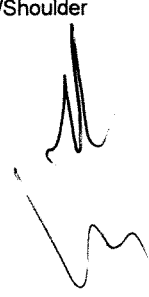
Quantitation Report (Qedit)

Signal #1 : J:\GC23\DATA\061114\0611F077.D\ECD1A.CH Vial: 6
Signal #2 : J:\GC23\DATA\061114\0611F077.D\ECD2B.CH
Acq On : 11 Jun 2014 7:12 pm Operator: SMURRAY
Sample : IB Inst : GC23
Misc : SEMIOVA GC\W0617642\3-CCV.H Multiplr: 1.00
IntFile Signal #1: RTEINT.P IntFile Signal #2: RTEINT2.P
Quant Time: Jun 12 8:06 2014 Quant Results File: GC23-031714-8081.RES

Method : J:\GC23\METHODS\GC23-031714-8081.M (RTE Integrator)
Title : CAL 13214
Last Update : Thu Jun 12 08:03:48 2014
Response via : Multiple Level Calibration



Signal: 0611F077.D\ECD1A.CH

(46) cis-Nonachlor	Manual Integration:
14.50min 0.249ug/L m	After
response 5035	Baseline/Shoulder
	06/12/14
(46) cis-Nonachlor #2	
13.20min 1.459ug/L	
response 13264	

(+) = Expected Retention Time
0611F077.D GC23-031714-8081.M

Thu Jun 12 08:08:51 2014