N00207.AR.001475
NAS JACKSONVILLE
5090.3a

DATA SUMMARY OF VOLATILE ORGANIC COMPOUNDS, SEMI-VOLATILE ORGANIC COMPOUNDS, TOTAL RECOVERABLE PETROLEUM HYDROCARBONS AND RCRA METALS IN GROUNDWATER SAMPLES FOR 10 DECEMBER 2010 SAMPLING EVENT AT HANGAR 101S NAS JACKSONVILLE FL

01/04/2011

EMPIRICAL LABORATORIES

ANALYTICAL DATA PACKAGE
SDG # CTO154OURI_002

PROJECT NAME: CTO154 OU3RI NAS JACKSONVILLE 2010
PROJECT LOCATION: JACKSONVILLE, FLORIDA
CONTRACT #: N62467-04-D-0055

SUBMITTAL TO:
Tobrena Skeen
Tetra Tech NUS, Inc.
Foster Plaza 7
661 Andersen Drive
Pittsburgh, PA 15220

SUBMITTAL BY:
Empirical Laboratories, LLC (EL)
621 Mainstream Drive, Suite 270
Nashville, TN 37228
Tel (615)345-1115
Fax (615)846-5426

LABORATORY CONTACT PERSON:
Project Manager: Kim Kostzer
Tel (615)345-1115
Fax (615)846-5426
Email: kkostzer@empirlabs.com

Original Report Date: January 4, 2011
Report Revision #: N/A
Revision Date: N/A
Total # of Pages: 698

THIS DOCUMENT MEETS DoD QSM 4.1 STANDARDS

The results relate to only the samples associated with the referenced SDG and the submitted data has been produced in accordance with laboratory procedures. The Laboratory's Technical Lab Director, Mr. Rick Davis, is responsible for the final data produced and reported. His signature is listed at the end of the Case Narrative within the Analytical Data Package. If applicable to this report package, details on report revisions and the information on subcontracted analysis are listed in the package Case Narrative. This report shall not be reproduced, except in full, without the written approval of Empirical Laboratories, LLC.

Table of Contents

#	Description	Page No.
1	Cover Page	1
2	Table of Contents	2
3	Case Narrative	3
4	Sample Receipt Information Chain of Custody Forms Sample Receipt Confirmations WorkOrder Summary Sample Delivery Group (SDG) Sheets	8
5	Data for SW8260B Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	15
6	Data for SW8270D Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	268
7	Data for FL-PRO Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	479
8	Data for SW6010C/SW7470A Required Data / QAQC / Calibration Forms Supporting Raw Data / Logs	612

Sample Delivery Group Case Narrative

Receipt Information
The samples were received within the preservation guidelines for the associated methods. The information associated with sample receipt and the Sample Delivery Group (SDG) are included within section 4 of this package, which also provides information on the link between the client sample ID listed on the COC and laboratory's assigned unique sample ID or WorkOrder #. The sample is tracked through the laboratory for all analysis via the assigned WorkOrder #.

All samples that were received were analyzed and none of the samples were placed on hold without analyses. There were no subcontracted analyses for this SDG.

Changes to the Revision
This is an original submittal of the final report package.

Analytical Information
All samples were prepped (where applicable) and analyzed within the standard allowed holding times, unless noted within the exceptions listed below. The laboratory analyzed all samples within the program and method guidelines. The following information is provided specific to individual methods:

Chromatographic Flags for Manual Integration:
The following letters are used to denote manual integrations on the laboratory's raw data in association with chromatographic integrations:

A: The peak was manually integrated as it was not integrated in the original chromatogram.
B: The peak was manually integrated due to resolution or coelution issues in the original chromatogram.
C: The peak was manually integrated to correct the baseline from the original chromatogram.
D: The peak was manually integrated to identify the correct peak as the wrong peak was identified in the original chromatogram.
E: The peak was manually integrated to include the entire peak as the original chromatogram only integrated part of the peak.

SW8260B:
The batch spikes associated to batch 0L16017 exceeded criteria with a positive bias for Bromodichloromethane.

The continuing calibration verification 0L35111-CCV1 exceeded criteria with a negative bias for Bromomethane.

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

SW8270D:
The batch spikes associated to batch 0L13015 exceeded recovery criteria with a positive bias for Anthracene, Atrazine, 4-Bromophenyl-phenyl ether, Butylbenzylphthalate, Carbazole, Di-n-butylphthalate, Diethylphthalate, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, Di-n-octylphthalate, Bis(2-ethylhexyl)phthalate, Hexachlorobenzene, 4-Nitroaniline, 2-Nitroaniline, Pentachlorophenol, 2,4,6-Trichlorophenol, 2,4,5-Trichlorophenol, Chrysene, Dimethyl phthalate, Fluoranthene and Di-n-butylphthalate and exceeded the relative percent difference criteria for 4-Nitroaniline.

The continuing calibration verification 0L36407-CCV1 exceeded criteria with a negative bias for Benzaldehyde and 1,1'-Biphenyl and with a positive bias for Caprolactam, 4-Chloro-3-methylphenol, 2,4-Dinitrophenol, Di-n-octylphthalate, 2-Nitroaniline and 2-Nitrophenol.

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

FL-PRO:
The surrogate o-Terphenyl exceeded criteria with a negative bias in 0L13001-BLK1, -BS1 and 1012125-03.

The continuing calibration verifications exceeded criteria in 0L35103-CCV3 with a positive bias for Petroleum Range Organics and 2-Fluorobiphenyl and in 0L35103-CCV4 and –CCV5 with a positive bias for 2-Fluorobiphenyl.

No additional anomalies or deviations are noted and the proper data qualifiers have been applied.

SW6010C/SW7470A:
No anomalies or deviations are noted.

Data Qualifiers
As applicable and where required, the following general qualifiers are associated with the sample results. Additional qualifiers will be specified within the reporting sections of the data package or within the body of the Case Narrative.

Analytical Report Terms and Qualifiers

MDL: The method detection limit (MDL) is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The MDL is determined from analysis of a sample containing the analyte in a given matrix. For DoD QSM 4.1 reporting purposes, this definition is also applied to the reported Detection Limit (DL).

LOD: The Limit of Detection is an estimate of the minimum amount of a substance that an analytical process can reliably detect. An LOD is analyte- and matrix-specific and may be laboratory-dependent. This definition is further clarified in the DoD QSM 4.1 revisions as the smallest amount or concentration of a substance that must be present in a sample in order to be detected at a high level of confidence (99%). At the LOD, the false negative rate (Type II error) is 1%.

LOQ: The Limit of Quantitation is the minimum level, concentration, or quantity of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. This term is further clarified within the DoD QSM 4.1 as the lowest concentration that produces a quantitative result within specified limits of precision and bias.

*****: An exceeding quality control criteria is associated with the reported result.

B: The presence of a "B" to the right of an analytical value indicates that this compound was also detected in the method blank and the data should be interpreted with caution. One should consider the possibility that the correct sample result might be less than the reported result and, perhaps, zero. **For Florida DEP reports this qualifier is "V".**

D: When a sample (or sample extract) is rerun diluted because one of the compound concentrations exceeded the highest concentration range for the standard curve, all of the values obtained in the dilution run will be flagged with a "D".

E: The concentration for any compound found which exceeds the highest concentration level on the standard curve for that compound will be flagged with an "E". Usually the sample will be rerun at a dilution to quantitate the flagged compound. **For Florida DEP reports this qualifier is "L".**

H1: The result was analyzed outside of the EPA recommended holding time.

H2: The result was extracted outside of the EPA recommended holding time.

H3: The sample for this analyte was received outside of the EPA recommended holding time.

J: The presence of a "J" to the right of an analytical result indicates that the reported result is estimated. The mass spectral data pass the identification criteria showing that the compound is present, but the calculated result is less than the EQL. One should feel confident that the result is greater than zero and less than the EQL. **For Florida DEP reports this qualifier is "I".**

M: Indicates that the sample matrix interfered with the quantitation of the analyte. In dual column analysis the result is reported from the column with the lower concentration. In inorganics, it indicates that the parameters MDL/RL has been raised.

N: The MS/MSD accuracy and/or precision are outside criteria. The predigested spike recovery is not within control limits for the associated parameter.

P: The associated numerical value is an estimated quantity. There is greater than a 40% difference between the two GC columns for the detected concentrations. The higher of the two values is reported unless matrix interference is obvious or for HPLC analysis where the primary column is reported.

Q: The RPD and/or percent recovery exceeded limits in the associated Blank Spike and/or Blank Spike Duplicate.

S: The associated internal standard failed criteria.

U: The presence of a "U" indicates that the analyte was analyzed for but was not detected or the concentration of the analyte quantitated below the DL.

X: The parameter shows a potential positive bias on a reported concentration due to an ICV or CCV exceeding the upper control limit on the high side.

Y: The parameter shows a potential negative bias on a reported concentration due to an ICV or CCV exceeding the lower control limit on the low side.

Z: The parameter shows lack of confirmation/detection, which may be due to a negative bias in the ICV or CCV which exceeds the lower control limit.

LIMS Definitions / Naming Conventions:

The following are general naming conventions that are used throughout the laboratory; however, on a method by method basis, there are additional QAQC items that are named in a consistent format.

BLK: LIMS assigns a unique identifier to the Method Blank by naming it as the letters BLK appended to the Batch ID. A Method Blank is an analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The Method Blank is used to assess for possible contamination during preparation and/or analysis steps. Method Blanks within a Batch or Analytical sequence will be appended with a numerical value beginning with 1 that will increase incrementally.

BS: LIMS assigns a unique identifier to the Blank Spike by naming it as the letters BS appended to the Batch ID. The Blank Spike or Lab Control Sample is a controlled analyte-free matrix, which is spiked with known and verified concentrations of target analytes. Spiking concentrations can be referenced in the method SOP. The BS is used to evaluate the viability of analytes taken through the entire prep (when applicable) and analytical process. Blank Spikes within a Batch or Analytical sequence will be appended with a numerical value beginning with 1 that will increase incrementally. A duplicate Blank Spike will be designated as a BSD.

MS: The LIMS assigns each Client sample with a unique identifier. The Matrix Spike is designated with a MS at the end of the sample's unique identifier. The Matrix Spike sample is used to assess the effect of the sample matrix on the precision and accuracy of the results generated using the selected method. A duplicate Matrix Spike will be designated as a MSD.

IDs: The LIMS assigns each Client sample with a unique identifier. The letter "RE" may potentially be appended to the end of the LIMS Sample ID. And "**RE"** implies that the sample was either re-prepped, re-analyzed straight, or re-analyzed at a dilution. Subsequent re-analysis for the sample will be appended with a numerical value beginning with 1 that will increase incrementally. Eg: RE1, RE2, RE3, etc.

Statement of Data Authenticity:
I certify that, based upon my inquiry of those individuals immediately responsible for obtaining the information and to the best of my knowledge, the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, with the exception of the conditions detailed in this Case Narrative, as verified by my signature below. During absences, Ms. Marcia K. McGinnity is authorized to sign this Statement of Data Authenticity.

_____
Mr. Rick D. Davis
Laboratory Technical Director / VP Operations

Sample Receipt Information

TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER № 2116

PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00148	NAS JAX Hangar 1015	Mark Peterson	904 636 6125	Empirical / Kim Kostzer
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
Jeff Kronc		Don Hardison	904 636 6125	621 Mainstream Suite 270
		CARRIER/WAYBILL NUMBER		CITY, STATE
		FEDEX Airbill 8660 1730 2399		Nashville TN 37228

STANDARD TAT ☒
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G, G, G, P

PRESERVATIVE USED: HCl, –, HCl, HNO3

TYPE OF ANALYSIS: TCL VOCs (8260B), SVOCs (8270D), TRPH (FL PRO), RCRA metals + Mo, B, Sn, Ni, Zn

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TCL VOCs (8260B)	SVOCs (8270D)	TRPH (FL PRO)	RCRA metals + Mo, B, Sn, Ni, Zn				COMMENTS
12/10	1450	JAX-MW-780-1-GW	2010	1210		GW	G	8	X	X	X	X				Cool to 4°C -01
12/10	1520	JAX-EW-780-2-GW	2010	1210		GW	G	8	X	X	X	X				10/12/25 -02
12/10	0000	JAX-MW-780-DUP01-2010	1210			GW	G	8	X	X	X	X				-03
		Trip Blank				QC	G	2	X							-04

1. RELINQUISHED BY	DATE 12/10/10	TIME 1830	1. RECEIVED BY	DATE	TIME
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE 12/11/10	TIME 11:30

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

0-6°C

4/02R FORM NO. TtNUS-001

9

CTO154OURI_002

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1012125 Number of Coolers: 1 of 2

Client: TTNUS Project: Nas Jax Hangar 1015

Date/Time Received: **12/11/10** **11:30** Date cooler(s) opened: **12/11/10**

Opened By (print): Will Schwab (signature): [signature]

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered
   EL Courier Other: _____

If applicable, enter airbill number here: 8919

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 12/10/10 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival?	Yes	No	N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler?	Yes	No	N/A
5. Were custody papers filled out properly (ink, signed, etc.)?	Yes	No	N/A
6. Did you sign custody papers in the appropriate place for acceptance?	Yes	No	N/A
7. Was project identifiable from custody papers?	Yes	No	N/A
8. If required, was enough ice present in the cooler(s)?	Yes	No	N/A

Housed trip Blank

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 0.9 °C Correction Factor: -0.3 °C Final Value: 0.6 °C

Dates samples were logged-in: ~~12/11/10~~ WS 12/13/10 12/13/10

9. Initial this form to acknowledge login of sample(s): (Name): Will Schwab (Initial): WS

10. Were all bottle lids intact and sealed tightly?	Yes	No	N/A
11. Did all bottles arrive unbroken?	Yes	No	N/A
12. Was all required bottle label information complete?	Yes	No	N/A
13. Did all bottle labels agree with custody papers?	Yes	No	N/A
14. Were correct containers used for the analyses indicated?	Yes	No	N/A
15. Were preservative levels correct in all applicable sample containers?	Yes	No	N/A
16. Was residual chlorine present in any applicable sample containers?	Yes	No	N/A
17. Was sufficient amount of sample sent for the analyses required?	Yes	No	N/A
18. Was headspace present in any included VOA vials?	Yes	No	N/A

pH<2 for all FLPRO + metals

If Non-Conformance issues were present, list by sample ID: _____

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1012125 Number of Coolers: 2 of 2

Client: TTNUS Project: Nas Jax Hangar 1015

Date/Time Received: **12/11/10** **11:30** Date cooler(s) opened: **12/11/10**

Opened By (print): Will Schwab (signature): [signature]

Circle response below as appropriate

1. How did the samples arrive? FedEx UPS DHL Hand Delivered

EL Courier Other: _____

If applicable, enter airbill number here: 8893 ~~6419~~ WS 12/11/10

2. Were custody seals on outside of cooler(s)? ..... Yes No

How many: 1 Seal date: 12/10/10 Seal Initials: ?

3. Were custody seals unbroken and intact at the date and time of arrival? ..... Yes No N/A
4. Were custody papers sealed in a plastic bag included in the sample cooler? ..... Yes No N/A
5. Were custody papers filled out properly (ink, signed, etc.)? ..... Yes No N/A
6. Did you sign custody papers in the appropriate place for acceptance? ..... Yes No N/A
7. Was project identifiable from custody papers? ..... Yes No N/A
8. If required, was enough ice present in the cooler(s)? ..... Yes No N/A

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 0.5 °C Correction Factor: -0.3 °C Final Value: 0.2 °C

Dates samples were logged-in: **12/11/10**

9. Initial this form to acknowledge login of sample(s): (Name): _____ (Initial): _____
10. Were all bottle lids intact and sealed tightly? ..... Yes No N/A
11. Did all bottles arrive unbroken? ..... Yes No N/A
12. Was all required bottle label information complete? ..... Yes No N/A
13. Did all bottle labels agree with custody papers? ..... Yes No N/A
14. Were correct containers used for the analyses indicated? ..... Yes No N/A
15. Were preservative levels correct in all applicable sample containers? ..... Yes No N/A
16. Was residual chlorine present in any applicable sample containers? ..... Yes No N/A
17. Was sufficient amount of sample sent for the analyses required? ..... Yes No N/A
18. Was headspace present in any included VOA vials? ..... Yes No N/A

See 1 of 2

If Non-Conformance issues were present, list by sample ID: _____

WORK ORDER

1012125

Printed: 1/4/2011 3:28:32PM

Empirical Laboratories, LLC

Client: Tetra Tech NUS, Inc. (T010)
Project: CTO154 OU3RI NAS Jacksonville_2010

Project Manager: Kim Kostzer
Project Number: TET10CTO154J

Report To:
Tetra Tech NUS, Inc. (T010)
Tobrena Skeen
Foster Plaza 7, 661 Anderson Drive
Pittsburgh, PA 15220
Phone: (412) 921-8182
Fax: (412) 921-4040

Invoice To:
Tetra Tech NUS, Inc. (T010)
Tobrena Skeen
Foster Plaza 7, 661 Anderson Drive
Pittsburgh, PA 15220
Phone :(412) 921-8182
Fax: (412) 921-4040

Date Due: 01/05/2011 16:00 (16 day TAT)
Received By: William Schwab
Logged In By: William Schwab
Date Received: 12/11/2010 11:30
Date Logged In 12/13/2010 09:53

Samples Received at: **0.2°C**

Custody Seals	Yes	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confir	Yes		

Analysis	Due	TAT	Expires	Version	Comments
1012125-01 JAX-MW-780-1-GW20101210 [Water] Sampled 12/10/2010 14:52					
Eastern					
SW6010C	12/30/2010 14:00	15	06/08/2011 13:52	TAL plus Mo	TAL plus Mo
FLPRO	12/30/2010 14:00	15	12/17/2010 13:52		
SW8270D	12/30/2010 14:00	15	12/17/2010 13:52	Client list	See Version Client List
SW8260B	12/30/2010 14:00	15	12/24/2010 13:52	Client list	See Version Client List
SW7470A	12/30/2010 14:00	15	01/07/2011 13:52		

WORK ORDER

Printed: 1/4/2011 3:28:32PM

1012125

Empirical Laboratories, LLC

Client: Tetra Tech NUS, Inc. (T010)
Project: CTO154 OU3RI NAS Jacksonville_2010

Project Manager: Kim Kostzer
Project Number: TET10CTO154J

Analysis	Due	TAT	Expires	Version	Comments
1012125-02 JAX-EW-780-2-GW20101210 [Water] Sampled 12/10/2010 15:22 Eastern					
SW8270D	12/30/2010 14:00	15	12/17/2010 14:22	Client list	See Version Client List
SW7470A	12/30/2010 14:00	15	01/07/2011 14:22		
FLPRO	12/30/2010 14:00	15	12/17/2010 14:22		
SW8260B	12/30/2010 14:00	15	12/24/2010 14:22	Client list	See Version Client List
SW6010C	12/30/2010 14:00	15	06/08/2011 14:22	TAL plus Mo	TAL plus Mo
1012125-03 JAX-MW-780-DUP01-GW20101210 [Water] Sampled 12/10/2010 00:00 Eastern					
SW7470A	12/30/2010 14:00	15	01/06/2011 23:00		
SW6010C	12/30/2010 14:00	15	06/07/2011 23:00	TAL plus Mo	TAL plus Mo
FLPRO	12/30/2010 14:00	15	12/16/2010 23:00		
SW8270D	12/30/2010 14:00	15	12/16/2010 23:00	Client list	See Version Client List
SW8260B	12/30/2010 14:00	15	12/23/2010 23:00	Client list	See Version Client List
1012125-04 Trip Blank [Water] Sampled 12/10/2010 00:00 Eastern					
SW8260B	12/30/2010 14:00	15	12/23/2010 23:00	Client list	See Version Client List

Sample Delivery Group Assignment Form

CLIENT: Tetra Tech NUS, Inc. (T010)
PROJECT NAME: CTO154 OU3RI NAS Jacksonville_2010
SDG #: CTO154OURI_002
MATRIX: Ground Water

QC LEVEL: EDD/IVQSM
Report Due: 1/5/2011
Client Sample Count: 2

Sample Type	Sampled	Received	Lab ID	Client ID	FLPRO	SW6010C	SW7470A	SW8260B	SW8270D
Client Sample	12/10/2010	12/11/2010	1012125-01	JAX-MW-780-1-GW20101210	X	X	X	X	X
Client Sample	12/10/2010	12/11/2010	1012125-02	JAX-EW-780-2-GW20101210	X	X	X	X	X
Field Duplicate	12/10/2010	12/11/2010	1012125-03	JAX-MW-780-DUP01-GW20101210	X	X	X	X	X
Trip Blank	12/10/2010	12/11/2010	1012125-04	Trip Blank				X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

JAX-MW-780-1-GW20101210

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-01	File ID:	1212501.D
Sampled:	12/10/10 14:52	Prepared:	12/16/10 00:00	Analyzed:	12/17/10 05:43
Solids:		Preparation:	5030B	Dilution:	1

Batch: 0L16017 Sequence: 0L35111 Calibration: 0349001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	3.30	2.50	5.00	10.0	I
71-43-2	Benzene	1.00	0.250	0.500	1.00	
75-27-4	Bromodichloromethane		0.250	0.500	1.00	Q U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.320	0.500	1.00	Y U
78-93-3	2-Butanone		2.50	5.00	10.0	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane	33.6	0.250	0.500	1.00	
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.290	0.500	1.00	U
110-82-7	Cyclohexane		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.250	0.500	1.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene	1.75	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene	0.288	0.250	0.500	1.00	I
75-71-8	Dichlorodifluoromethane		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane	23.3	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	0.941	0.250	0.500	1.00	I
75-35-4	1,1-Dichloroethene	12.3	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	122	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	1.55	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
591-78-6	2-Hexanone		2.50	5.00	10.0	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		1.00	1.50	3.00	U
79-20-9	Methyl Acetate		1.00	2.50	5.00	U
108-87-2	Methylcyclohexane	1.51	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone		2.50	5.00	10.0	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

JAX-MW-780-1-GW20101210

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-01	File ID:	1212501.D
Sampled:	12/10/10 14:52	Prepared:	12/16/10 00:00	Analyzed:	12/17/10 05:43
Solids:		Preparation:	5030B	Dilution:	1

Batch: 0L16017 Sequence: 0L35111 Calibration: 0349001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
108-88-3	Toluene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	1.63	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane		1.00	2.50	5.00	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.250	0.500	1.00	U
75-01-4	Vinyl chloride	46.2	0.250	0.500	1.00	
1330-20-7	Xylenes (total)		1.00	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.00	100	75 - 120	
Dibromofluoromethane	30.00	31.58	105	85 - 115	
1,2-Dichloroethane-d4	30.00	28.66	95.5	70 - 120	
Toluene-d8	30.00	28.20	94.0	85 - 120	

ANALYSIS DATA SHEET

JAX-EW-780-2-GW20101210

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-02	File ID:	1212502.D
Sampled:	12/10/10 15:22	Prepared:	12/16/10 00:00	Analyzed:	12/17/10 06:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 0L16017 Sequence: 0L35111 Calibration: 0349001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	3.19	2.50	5.00	10.0	I
71-43-2	Benzene		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	Q U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.320	0.500	1.00	Y U
78-93-3	2-Butanone		2.50	5.00	10.0	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene	1.17	0.250	0.500	1.00	
75-00-3	Chloroethane	4.78	0.250	0.500	1.00	
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.290	0.500	1.00	U
110-82-7	Cyclohexane		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.250	0.500	1.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene	0.379	0.250	0.500	1.00	I
75-71-8	Dichlorodifluoromethane		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane	2.39	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene	0.841	0.250	0.500	1.00	I
156-59-2	cis-1,2-Dichloroethene	7.26	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
591-78-6	2-Hexanone		2.50	5.00	10.0	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		1.00	1.50	3.00	U
79-20-9	Methyl Acetate		1.00	2.50	5.00	U
108-87-2	Methylcyclohexane		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		2.50	5.00	10.0	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

JAX-EW-780-2-GW20101210

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-02	File ID:	1212502.D
Sampled:	12/10/10 15:22	Prepared:	12/16/10 00:00	Analyzed:	12/17/10 06:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 0L16017 Sequence: 0L35111 Calibration: 0349001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
108-88-3	Toluene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		1.00	2.50	5.00	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.250	0.500	1.00	U
75-01-4	Vinyl chloride	3.95	0.250	0.500	1.00	
1330-20-7	Xylenes (total)		1.00	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.13	104	75 - 120	
Dibromofluoromethane	30.00	33.03	110	85 - 115	
1,2-Dichloroethane-d4	30.00	30.28	101	70 - 120	
Toluene-d8	30.00	27.76	92.5	85 - 120	

ANALYSIS DATA SHEET

AX-MW-780-DUP01-GW2010121

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-03	File ID:	1212503.D
Sampled:	12/10/10 00:00	Prepared:	12/16/10 00:00	Analyzed:	12/17/10 06:43
Solids:		Preparation:	5030B	Dilution:	1

Batch: 0L16017 Sequence: 0L35111 Calibration: 0349001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	4.31	2.50	5.00	10.0	I
71-43-2	Benzene	1.00	0.250	0.500	1.00	
75-27-4	Bromodichloromethane		0.250	0.500	1.00	Q U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.320	0.500	1.00	Y U
78-93-3	2-Butanone		2.50	5.00	10.0	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane	32.7	0.250	0.500	1.00	
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.290	0.500	1.00	U
110-82-7	Cyclohexane	0.392	0.250	0.500	1.00	I
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.250	0.500	1.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene	1.84	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene	0.289	0.250	0.500	1.00	I
75-71-8	Dichlorodifluoromethane		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane	23.1	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	0.811	0.250	0.500	1.00	I
75-35-4	1,1-Dichloroethene	12.2	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	126	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	1.41	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
591-78-6	2-Hexanone		2.50	5.00	10.0	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		1.00	1.50	3.00	U
79-20-9	Methyl Acetate		1.00	2.50	5.00	U
108-87-2	Methylcyclohexane	1.66	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone		2.50	5.00	10.0	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

AX-MW-780-DUP01-GW2010121

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-03	File ID:	1212503.D
Sampled:	12/10/10 00:00	Prepared:	12/16/10 00:00	Analyzed:	12/17/10 06:43
Solids:		Preparation:	5030B	Dilution:	1

Batch: 0L16017 Sequence: 0L35111 Calibration: 0349001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
108-88-3	Toluene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene	1.58	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane		1.00	2.50	5.00	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.250	0.500	1.00	U
75-01-4	Vinyl chloride	45.8	0.250	0.500	1.00	
1330-20-7	Xylenes (total)		1.00	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.89	99.6	75 - 120	
Dibromofluoromethane	30.00	32.44	108	85 - 115	
1,2-Dichloroethane-d4	30.00	28.03	93.4	70 - 120	
Toluene-d8	30.00	28.17	93.9	85 - 120	

ANALYSIS DATA SHEET

Trip Blank

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2(

Matrix: Ground Water Laboratory ID: 1012125-04 File ID: 1212504.D

Sampled: 12/10/10 00:00 Prepared: 12/16/10 00:00 Analyzed: 12/17/10 04:14

Solids: Preparation: 5030B Dilution: 1

Batch: 0L16017 Sequence: 0L35111 Calibration: 0349001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	3.61	2.50	5.00	10.0	I
71-43-2	Benzene		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	Q U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.320	0.500	1.00	Y U
78-93-3	2-Butanone		2.50	5.00	10.0	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.250	0.500	1.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.290	0.500	1.00	U
110-82-7	Cyclohexane		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.250	0.500	1.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
591-78-6	2-Hexanone		2.50	5.00	10.0	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		1.00	1.50	3.00	U
79-20-9	Methyl Acetate		1.00	2.50	5.00	U
108-87-2	Methylcyclohexane		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		2.50	5.00	10.0	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

Trip Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-04	File ID:	1212504.D
Sampled:	12/10/10 00:00	Prepared:	12/16/10 00:00	Analyzed:	12/17/10 04:14
Solids:		Preparation:	5030B	Dilution:	1

Batch: 0L16017 Sequence: 0L35111 Calibration: 0349001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
108-88-3	Toluene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		1.00	2.50	5.00	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		1.00	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.78	103	75 - 120	
Dibromofluoromethane	30.00	32.15	107	85 - 115	
1,2-Dichloroethane-d4	30.00	29.43	98.1	70 - 120	
Toluene-d8	30.00	28.58	95.3	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Project: CTO154 OU3RI NAS Jacksonville_2010
Sequence: 0L35111
Instrument: MS-VOA3
Calibration: 0349001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (0L35111-CCV1) ug/L				Lab File ID: 1216CC1E.D		Analyzed: 12/17/10 01:19		
Bromofluorobenzene	30.00	98.7	80 - 120	17.061	17.061	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	80 - 120	10.12	10.12	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.4	80 - 120	11.135	11.135	0.0000	+/-1.000	
Toluene-d8	30.00	97.1	80 - 120	14.719	14.719	0.0000	+/-1.000	
LCS (0L16017-BS1) ug/L				Lab File ID: 1216LS1E.D		Analyzed: 12/17/10 01:49		
Bromofluorobenzene	30.00	102	75 - 120	17.061	17.061	0.0000	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	10.113	10.12	-0.0070	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.2	70 - 120	11.129	11.135	-0.0060	+/-1.000	
Toluene-d8	30.00	98.6	85 - 120	14.719	14.719	0.0000	+/-1.000	
Blank (0L16017-BLK1) ug/L				Lab File ID: 1216BL1E.D		Analyzed: 12/17/10 03:15		
Bromofluorobenzene	30.00	101	75 - 120	17.061	17.061	0.0000	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	10.113	10.12	-0.0070	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.4	70 - 120	11.135	11.135	0.0000	+/-1.000	
Toluene-d8	30.00	95.5	85 - 120	14.719	14.719	0.0000	+/-1.000	
Trip Blank (1012125-04) ug/L				Lab File ID: 1212504.D		Analyzed: 12/17/10 04:14		
Bromofluorobenzene	30.00	103	75 - 120	17.061	17.061	0.0000	+/-1.000	
Dibromofluoromethane	30.00	107	85 - 115	10.119	10.12	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.1	70 - 120	11.135	11.135	0.0000	+/-1.000	
Toluene-d8	30.00	95.3	85 - 120	14.719	14.719	0.0000	+/-1.000	
JAX-MW-780-1-GW20101210 (1012125-01) ug/L				Lab File ID: 1212501.D		Analyzed: 12/17/10 05:43		
Bromofluorobenzene	30.00	100	75 - 120	17.055	17.061	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	10.107	10.12	-0.0130	+/-1.000	
1,2-Dichloroethane-d4	30.00	95.5	70 - 120	11.129	11.135	-0.0060	+/-1.000	
Toluene-d8	30.00	94.0	85 - 120	14.719	14.719	0.0000	+/-1.000	
JAX-EW-780-2-GW20101210 (1012125-02) ug/L				Lab File ID: 1212502.D		Analyzed: 12/17/10 06:13		
Bromofluorobenzene	30.00	104	75 - 120	17.055	17.061	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	10.12	10.12	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	11.136	11.135	0.0010	+/-1.000	
Toluene-d8	30.00	92.5	85 - 120	14.713	14.719	-0.0060	+/-1.000	
JAX-MW-780-DUP01-GW20101210 (1012125-03) ug/L				Lab File ID: 1212503.D		Analyzed: 12/17/10 06:43		
Bromofluorobenzene	30.00	99.6	75 - 120	17.055	17.061	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	10.107	10.12	-0.0130	+/-1.000	
1,2-Dichloroethane-d4	30.00	93.4	70 - 120	11.129	11.135	-0.0060	+/-1.000	
Toluene-d8	30.00	93.9	85 - 120	14.719	14.719	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L35111	Instrument:	MS-VOA3
		Calibration:	0349001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
LCS Dup (0L16017-BSD1) ug/L				Lab File ID: 1216LD1E.D		Analyzed: 12/17/10 12:08		
Bromofluorobenzene	30.00	103	75 - 120	17.055	17.061	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	10.107	10.12	-0.0130	+/-1.000	
1,2-Dichloroethane-d4	30.00	92.6	70 - 120	11.129	11.135	-0.0060	+/-1.000	
Toluene-d8	30.00	94.2	85 - 120	14.719	14.719	0.0000	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Matrix:	Water		
Batch:	0L16017	Laboratory ID:	0L16017-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	109	109	40 - 140
Benzene	50.00	52.8	106	80 - 120
Bromodichloromethane	**50.00**	**60.3**	**121**	**75 - 120**
Bromoform	50.00	51.0	102	70 - 130
Bromomethane	50.00	28.0	55.9	30 - 145
2-Butanone	100.0	90.9	90.9	30 - 150
Carbon disulfide	50.00	56.5	113	35 - 160
Carbon tetrachloride	50.00	53.4	107	65 - 140
Chlorobenzene	50.00	52.5	105	80 - 120
Chloroethane	50.00	52.2	104	60 - 135
Chloroform	50.00	56.1	112	65 - 135
Chloromethane	50.00	49.9	99.8	40 - 125
Cyclohexane	50.00	51.1	102	60 - 130
Dibromochloromethane	50.00	62.2	124	60 - 135
1,2-Dibromo-3-chloropropane	50.00	49.0	97.9	50 - 130
1,2-Dibromoethane (EDB)	50.00	57.4	115	80 - 120
1,2-Dichlorobenzene	50.00	53.9	108	70 - 120
1,3-Dichlorobenzene	50.00	53.5	107	75 - 125
1,4-Dichlorobenzene	50.00	51.7	103	75 - 125
Dichlorodifluoromethane	50.00	56.0	112	30 - 155
1,1-Dichloroethane	50.00	54.7	109	70 - 135
1,2-Dichloroethane	50.00	56.2	112	70 - 130
1,1-Dichloroethene	50.00	54.1	108	70 - 130
cis-1,2-Dichloroethene	50.00	53.8	108	70 - 125
trans-1,2-Dichloroethene	50.00	53.9	108	60 - 140
1,2-Dichloropropane	50.00	52.8	106	75 - 125
cis-1,3-Dichloropropene	50.00	51.1	102	70 - 130
trans-1,3-Dichloropropene	50.00	58.3	117	55 - 140
Ethylbenzene	50.00	54.1	108	75 - 125
2-Hexanone	100.0	109	109	55 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Matrix:	Water		
Batch:	0L16017	Laboratory ID:	0L16017-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Isopropylbenzene	50.00	56.9	114	75 - 125
Methylene chloride	50.00	52.4	105	55 - 140
Methyl Acetate	50.00	53.9	108	55 - 150
Methylcyclohexane	50.00	47.5	94.9	60 - 125
4-Methyl-2-pentanone	100.0	106	106	60 - 135
Methyl t-Butyl Ether	50.00	53.9	108	65 - 125
Styrene	50.00	54.8	110	65 - 135
1,1,2,2-Tetrachloroethane	50.00	51.8	104	65 - 130
Tetrachloroethene	50.00	52.4	105	45 - 150
Toluene	50.00	51.8	104	75 - 120
1,2,4-Trichlorobenzene	50.00	49.2	98.5	65 - 135
1,1,2-Trichloroethane	50.00	53.5	107	75 - 125
1,1,1-Trichloroethane	50.00	55.3	111	65 - 130
Trichloroethene	50.00	52.8	106	70 - 125
Trichlorofluoromethane	50.00	56.3	113	60 - 145
1,1,2-Trichloro-1,2,2-trifluoroethane	50.00	56.0	112	60 - 130
Vinyl chloride	50.00	54.3	109	50 - 145
Xylenes (total)	150.0	156	104	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	118	118	7.94	30	40 - 140
Benzene	50.00	51.6	103	2.31	30	80 - 120
Bromodichloromethane	**50.00**	**64.9**	**130 ***	**7.29**	**30**	**75 - 120**
Bromoform	50.00	48.1	96.1	6.01	30	70 - 130
Bromomethane	50.00	25.1	50.3	10.6	30	30 - 145
2-Butanone	100.0	93.3	93.3	2.58	30	30 - 150
Carbon disulfide	50.00	57.1	114	1.11	30	35 - 160
Carbon tetrachloride	50.00	59.5	119	10.8	30	65 - 140
Chlorobenzene	50.00	53.0	106	0.896	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Matrix:	Water		
Batch:	0L16017	Laboratory ID:	0L16017-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Chloroethane	50.00	46.9	93.8	10.7	30	60 - 135
Chloroform	50.00	59.0	118	5.04	30	65 - 135
Chloromethane	50.00	50.1	100	0.331	30	40 - 125
Cyclohexane	50.00	49.0	98.0	4.13	30	60 - 130
Dibromochloromethane	50.00	60.1	120	3.42	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.8	91.5	6.80	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	54.9	110	4.55	30	80 - 120
1,2-Dichlorobenzene	50.00	55.4	111	2.77	30	70 - 120
1,3-Dichlorobenzene	50.00	54.0	108	0.990	30	75 - 125
1,4-Dichlorobenzene	50.00	51.7	103	0.0704	30	75 - 125
Dichlorodifluoromethane	50.00	59.9	120	6.72	30	30 - 155
1,1-Dichloroethane	50.00	54.8	110	0.156	30	70 - 135
1,2-Dichloroethane	50.00	64.0	128	12.9	30	70 - 130
1,1-Dichloroethene	50.00	53.6	107	0.764	30	70 - 130
cis-1,2-Dichloroethene	50.00	53.1	106	1.30	30	70 - 125
trans-1,2-Dichloroethene	50.00	53.2	106	1.19	30	60 - 140
1,2-Dichloropropane	50.00	54.1	108	2.51	30	75 - 125
cis-1,3-Dichloropropene	50.00	49.8	99.6	2.67	30	70 - 130
trans-1,3-Dichloropropene	50.00	54.6	109	6.42	30	55 - 140
Ethylbenzene	50.00	55.5	111	2.46	30	75 - 125
2-Hexanone	100.0	105	105	3.82	30	55 - 130
Isopropylbenzene	50.00	57.8	116	1.63	30	75 - 125
Methylene chloride	50.00	52.8	106	0.683	30	55 - 140
Methyl Acetate	50.00	55.1	110	2.18	30	55 - 150
Methylcyclohexane	50.00	50.8	102	6.83	30	60 - 125
4-Methyl-2-pentanone	100.0	109	109	3.28	30	60 - 135
Methyl t-Butyl Ether	50.00	53.8	108	0.280	30	65 - 125
Styrene	50.00	53.3	107	2.87	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	49.8	99.7	3.81	30	65 - 130
Tetrachloroethene	50.00	53.2	106	1.61	30	45 - 150

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Matrix:	Water		
Batch:	0L16017	Laboratory ID:	0L16017-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	50.00	50.7	101	2.08	30	75 - 120
1,2,4-Trichlorobenzene	50.00	47.3	94.6	4.03	30	65 - 135
1,1,2-Trichloroethane	50.00	52.8	106	1.31	30	75 - 125
1,1,1-Trichloroethane	50.00	59.5	119	7.36	30	65 - 130
Trichloroethene	50.00	56.1	112	6.09	30	70 - 125
Trichlorofluoromethane	50.00	62.9	126	11.0	30	60 - 145
1,1,2-Trichloro-1,2,2-trifluoroethane	50.00	57.8	116	3.05	30	60 - 130
Vinyl chloride	50.00	48.9	97.8	10.4	30	50 - 145
Xylenes (total)	150.0	157	105	0.728	30	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2010

Batch: 0L16017 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
Blank	0L16017-BLK1	12/16/10 00:00	5.00	5.00
LCS	0L16017-BS1	12/16/10 00:00	5.00	5.00
LCS Dup	0L16017-BSD1	12/16/10 00:00	5.00	5.00
JAX-MW-780-1-GW20101210	1012125-01	12/16/10 00:00	5.00	5.00
JAX-EW-780-2-GW20101210	1012125-02	12/16/10 00:00	5.00	5.00
JAX-MW-780-DUP01-GW20101210	1012125-03	12/16/10 00:00	5.00	5.00
Trip Blank	1012125-04	12/16/10 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Lab File ID:	1213TU1.D	Injection Date:	12/13/10
Instrument ID:	MS-VOA3	Injection Time:	15:51
Sequence:	0L34801	Lab Sample ID:	0L34801-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	19.9	PASS
75	30 - 60% of 95	47.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.48	PASS
173	Less than 2% of 174	0.696	PASS
174	50 - 200% of 95	80.7	PASS
175	5 - 9% of 174	7.13	PASS
176	95 - 101% of 174	96.3	PASS
177	5 - 9% of 176	7.31	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Lab File ID:	1216TU1E.D	Injection Date:	12/17/10
Instrument ID:	MS-VOA3	Injection Time:	00:53
Sequence:	0L35111	Lab Sample ID:	0L35111-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	20.8	PASS
75	30 - 60% of 95	49.1	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.23	PASS
173	Less than 2% of 174	0.623	PASS
174	50 - 200% of 95	71.4	PASS
175	5 - 9% of 174	7.07	PASS
176	95 - 101% of 174	96.6	PASS
177	5 - 9% of 176	7.07	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L34801	Instrument:	MS-VOA3
Calibration:	0349001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0L34801-TUN1	1213TU1.D	12/13/10 15:51
Cal Standard	0L34801-CAL1	SEQ-CAL1.D	12/13/10 16:19
Cal Standard	0L34801-CAL2	SEQ-CAL2.D	12/13/10 16:49
Cal Standard	0L34801-CAL3	SEQ-CAL3.D	12/13/10 17:18
Cal Standard	0L34801-CAL4	SEQ-CAL4.D	12/13/10 17:48
Cal Standard	0L34801-CAL5	SEQ-CAL5.D	12/13/10 18:18
Cal Standard	0L34801-CAL6	SEQ-CAL6.D	12/13/10 18:47
Cal Standard	0L34801-CAL7	SEQ-CAL7.D	12/13/10 19:17
Cal Standard	0L34801-CAL8	SEQ-CAL8.D	12/13/10 19:47
Cal Standard	0L34801-CAL9	SEQ-CAL9.D	12/13/10 20:16
Initial Cal Check	0L34801-ICV1	SEQ-ICV1.D	12/13/10 20:46
Cal Standard	0L34801-CALA	SEQ-CALA.D	12/13/10 21:46
Cal Standard	0L34801-CALB	SEQ-CALB.D	12/13/10 22:15
Cal Standard	0L34801-CALC	SEQ-CALC.D	12/13/10 22:45
Cal Standard	0L34801-CALD	SEQ-CALD.D	12/13/10 23:15
Cal Standard	0L34801-CALE	SEQ-CALE.D	12/13/10 23:44
Cal Standard	0L34801-CALF	SEQ-CALF.D	12/14/10 00:14
Cal Standard	0L34801-CALG	SEQ-CALG.D	12/14/10 00:44
Cal Standard	0L34801-CALH	SEQ-CALH.D	12/14/10 01:13
Cal Standard	0L34801-CALI	SEQ-CALI.D	12/14/10 01:43
Initial Cal Check	0L34801-ICV4	SEQ-ICV3x.D	12/14/10 02:13

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L35111	Instrument:	MS-VOA3
Calibration:	0349001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0L35111-TUN1	1216TU1E.D	12/17/10 00:53
Calibration Check	0L35111-CCV1	1216CC1E.D	12/17/10 01:19
LCS	0L16017-BS1	1216LS1E.D	12/17/10 01:49
Blank	0L16017-BLK1	1216BL1E.D	12/17/10 03:15
Trip Blank	1012125-04	1212504.D	12/17/10 04:14
JAX-MW-780-1-GW20101210	1012125-01	1212501.D	12/17/10 05:43
JAX-EW-780-2-GW20101210	1012125-02	1212502.D	12/17/10 06:13
JAX-MW-780-DUP01-GW20101210	1012125-03	1212503.D	12/17/10 06:43
LCS Dup	0L16017-BSD1	1216LD1E.D	12/17/10 12:08

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L35111	Instrument:	MS-VOA3
		Calibration:	0349001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0L35111-CCV1)			Lab File ID: 1216CC1E.D			Analyzed: 12/17/10 01:19			
Fluorobenzene	1306486	12.48	1178088	12.468	111	50 - 200	0.0120	+/-0.50	
Chlorobenzene-d5	720784	16.088	637120	16.075	113	50 - 200	0.0130	+/-0.50	
1,4-Dichlorobenzene-d4	708469	18.071	689945	18.058	103	50 - 200	0.0130	+/-0.50	
LCS (0L16017-BS1)			Lab File ID: 1216LS1E.D			Analyzed: 12/17/10 01:49			
Fluorobenzene	1301957	12.474	1306486	12.48	100	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	710044	16.087	720784	16.088	99	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	736352	18.071	708469	18.071	104	50 - 200	0.0000	+/-0.50	
Blank (0L16017-BLK1)			Lab File ID: 1216BL1E.D			Analyzed: 12/17/10 03:15			
Fluorobenzene	1207015	12.474	1306486	12.48	92	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	665063	16.081	720784	16.088	92	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	694307	18.065	708469	18.071	98	50 - 200	-0.0060	+/-0.50	
Trip Blank (1012125-04)			Lab File ID: 1212504.D			Analyzed: 12/17/10 04:14			
Fluorobenzene	1121732	12.474	1306486	12.48	86	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	632509	16.081	720784	16.088	88	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	687032	18.071	708469	18.071	97	50 - 200	0.0000	+/-0.50	
JAX-MW-780-1-GW20101210 (1012125-01)			Lab File ID: 1212501.D			Analyzed: 12/17/10 05:43			
Fluorobenzene	1073373	12.474	1306486	12.48	82	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	612780	16.081	720784	16.088	85	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	655229	18.065	708469	18.071	92	50 - 200	-0.0060	+/-0.50	
JAX-EW-780-2-GW20101210 (1012125-02)			Lab File ID: 1212502.D			Analyzed: 12/17/10 06:13			
Fluorobenzene	1028121	12.468	1306486	12.48	79	50 - 200	-0.0120	+/-0.50	
Chlorobenzene-d5	603858	16.082	720784	16.088	84	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	643251	18.065	708469	18.071	91	50 - 200	-0.0060	+/-0.50	
JAX-MW-780-DUP01-GW20101210 (1012125-03)			Lab File ID: 1212503.D			Analyzed: 12/17/10 06:43			
Fluorobenzene	1029544	12.468	1306486	12.48	79	50 - 200	-0.0120	+/-0.50	
Chlorobenzene-d5	609842	16.082	720784	16.088	85	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	642868	18.065	708469	18.071	91	50 - 200	-0.0060	+/-0.50	
LCS Dup (0L16017-BSD1)			Lab File ID: 1216LD1E.D			Analyzed: 12/17/10 12:08			
Fluorobenzene	998187	12.474	1306486	12.48	76	50 - 200	-0.0060	+/-0.50	
Chlorobenzene-d5	586094	16.081	720784	16.088	81	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	609341	18.065	708469	18.071	86	50 - 200	-0.0060	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0349001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Date:	12/13/2010 4:19:50PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone												
Acrolein	2.501	3.708742E-02	5.002	4.204077E-02	10	4.313154E-02	25.01	3.533338E-02	50.02	3.723318E-02	250.1	0.0367876
Acrylonitrile	2.499	7.779325E-02	4.998	8.450267E-02	9.996	8.304287E-02	24.99	8.028168E-02	49.98	8.626692E-02	249.9	8.051838E-02
Benzene	0.5	0.7752808	1	0.9204116	2	0.9407176	5	0.8772694	10	0.9025897	50	0.8516094
Bromobenzene	0.5	0.5664705	1	0.6939259	2	0.631802	5	0.6238013	10	0.6325905	50	0.613781
Bromochloromethane	0.5	0.1250317	1	0.1032607	2	0.1104906	5	0.1081304	10	0.1165884	50	0.1141338
Tert-Amyl Methyl Ether	0.5	~~1.346045~~	1	~~1.071559~~	2	0.8566788	5	0.728124	10	0.7142524	50	0.6614816
Bromodichloromethane	0.5	0.3042703	1	0.2948992	2	0.2892035	5	0.2938199	10	0.2953715	50	0.3141748
Bromoform	0.5	0.2348527	1	0.2245905	2	0.2502591	5	0.2416927	10	0.2735691	50	0.31921
Bromomethane	0.5	0.1017199	1	9.880502E-02	2	9.357141E-02	5	0.1177217	10	0.1257867	50	0.1313178
Bromofluorobenzene	30	0.9760963	30	0.9656477	30	0.9966808	30	0.9744447	30	1.000578	30	1.00413
n-Butylbenzene	0.5	1.751109	1	1.55402	2	1.573738	5	1.522659	10	1.593665	50	1.506074
2-Butanone												
sec-Butylbenzene	0.5	1.996378	1	2.117945	2	2.099414	5	1.92253	10	2.024372	50	1.935422
tert-Butylbenzene	0.5	1.713418	1	1.606341	2	1.558501	5	1.561262	10	1.552726	50	1.50482
Carbon disulfide	0.5	0.5722154	1	0.5752831	2	0.5796875	5	0.6233893	10	0.6108229	50	0.6191675
Carbon tetrachloride	0.5	0.2456632	1	0.2769159	2	0.2746911	5	0.2847565	10	0.2894173	50	0.3091423
Chlorobenzene	0.5	1.453899	1	1.388842	2	1.505849	5	1.347412	10	1.424026	50	1.355937
Chloroethane	0.5	0.1614037	1	0.1285935	2	0.1072419	5	0.1129648	10	0.1104129	50	0.1047857
Chloroform	0.5	0.4044455	1	0.441545	2	0.4387612	5	0.4165262	10	0.4297192	50	0.4020035
2-Chloroethyl vinyl ether	0.9975	0.1559187	1.995	0.1544733	3.99	0.1546098	9.975	0.1608951	19.95	0.175251	99.75	0.1633442
Chloromethane	0.5	0.1580801	1	0.2399846	2	0.2382206	5	0.2296838	10	0.2310365	50	0.2292635
1-Chlorohexane	0.501	1.3523	1.002	1.232024	2.004	1.173793	5.01	1.164572	10.02	1.199008	50.1	1.116763
2-Chlorotoluene	0.5	1.766138	1	1.693906	2	1.714427	5	1.67738	10	1.739007	50	1.590064
4-Chlorotoluene	0.5	1.732067	1	1.643834	2	1.801961	5	1.684225	10	1.727439	50	1.626659
Cyclohexane	0.5	0.3354931	1	0.3157075	2	0.3617652	5	0.3542793	10	0.3569891	50	0.3673807
Dibromochloromethane	0.5	0.3613967	1	0.3732488	2	0.3617692	5	0.3616357	10	0.4126652	50	0.4691757
1,2-Dibromo-3-chloropropane	0.5	7.451696E-02	1	9.821375E-02	2	8.882287E-02	5	9.592389E-02	10	0.1113203	50	0.1184407
1,2-Dibromoethane (EDB)	0.5	0.5158449	1	0.4485482	2	0.479489	5	0.43307	10	0.4808174	50	0.482107
Dibromomethane	0.5	0.1365472	1	0.1634807	2	0.1791278	5	0.1508894	10	0.1637437	50	0.1534594
1,2-Dichlorobenzene	0.5	1.045362	1	1.033736	2	1.053562	5	1.002069	10	1.049303	50	0.9664789

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0349001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Date:	12/13/2010 4:19:50PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	0.5	1.01491	1	1.038478	2	1.05344	5	0.9977502	10	1.040239	50	0.989085
1,4-Dichlorobenzene	0.5	1.257582	1	1.078864	2	1.142733	5	1.075707	10	1.080514	50	1.016859
Dichlorodifluoromethane	0.5	0.1691275	1	0.1510325	2	0.1609637	5	0.2022951	10	0.2145927	50	0.2119695
1,1-Dichloroethane	0.5	0.3916661	1	0.3860102	2	0.3924142	5	0.3879459	10	0.4068209	50	0.4006129
1,2-Dichloroethane	0.5	0.3816018	1	0.3548896	2	0.3431386	5	0.3516441	10	0.3659734	50	0.3603553
1,1-Dichloroethene	0.5	0.2161724	1	0.1956119	2	0.1809182	5	0.1786462	10	0.1833161	50	0.1760829
cis-1,2-Dichloroethene	0.5	0.2119126	1	0.214445	2	0.2584003	5	0.2309917	10	0.2483197	50	0.2233035
trans-1,2-Dichloroethene	0.5	0.2500634	1	0.2056026	2	0.2155035	5	0.2137515	10	0.199231	50	0.2112407
1,2-Dichloroethene (total)	1	0.230988	2	0.2100238	4	0.2369519	10	0.2223716	20	0.2237753	100	0.2172721
1,2-Dichloropropane	0.5	0.2151425	1	0.2340361	2	0.241576	5	0.2337722	10	0.2451189	50	0.2368997
1,3-Dichloropropane	0.5	0.4365428	1	0.7125813	2	0.7196188	5	0.7017577	10	0.7456469	50	0.7019485
2,2-Dichloropropane	0.5	0.3821635	1	0.3342191	2	0.3417633	5	0.3477882	10	0.346877	50	0.3398229
1,1-Dichloropropene	0.5	0.3059555	1	0.2932456	2	0.2962937	5	0.2993519	10	0.3127412	50	0.3071439
cis-1,3-Dichloropropene	0.5	0.3739716	1	0.3642143	2	0.3777833	5	0.3771387	10	0.3979016	50	0.4022559
trans-1,3-Dichloropropene	0.5	0.5602879	1	0.5770845	2	0.6341806	5	0.623044	10	0.6575215	50	0.665018
Diisopropyl Ether	0.5	0.7390492	1	0.8688732	2	0.852197	5	0.8387055	10	0.8786261	50	0.8393825
Ethylbenzene	0.5	2.29009	1	2.40338	2	2.453882	5	2.312139	10	2.440321	50	2.282524
Ethyl tert-Butyl Ether	0.5	~~0.7304828~~	1	0.7092739	2	0.7561594	5	0.7462506	10	0.783534	50	0.7371365
Ethyl Methacrylate	0.5	0.5270404	1	0.4659704	2	0.5722158	5	0.5556879	10	0.6079377	50	0.5930442
Hexachlorobutadiene	0.5	0.2953138	1	0.2758746	2	0.2744858	5	0.2755238	10	0.2822196	50	0.2955866
2-Hexanone												
Iodomethane	0.5	0.1975885	1	0.2126076	2	0.2161794	5	0.2418231	10	0.2626618	50	0.2719385
Isopropylbenzene	0.5	1.918515	1	1.987314	2	2.050781	5	1.887725	10	1.998174	50	1.88681
p-Isopropyltoluene	0.5	1.449264	1	1.440013	2	1.410674	5	1.351014	10	1.404071	50	1.344695
Methylene chloride	0.5	0.2647152	1	0.2816012	2	0.254547	5	0.2389603	10	0.2349058	50	0.2218837
Methyl Acetate	0.5		1	0.1612529	2	0.1555334	5	0.1615222	10	0.1914707	50	0.1616761
Methylcyclohexane	0.5	0.2979977	1	0.2897086	2	0.2932821	5	0.2770883	10	0.2953499	50	0.2975039
Naphthalene	0.5	1.457133	1	1.488477	2	1.56073	5	1.432489	10	1.571682	50	1.545924
Methyl Methacrylate	0.5	~~5.462822E-02~~	1	0.1594615	2	0.1905456	5	0.198541	10	0.2340858	50	0.2325355
4-Methyl-2-pentanone												
Methyl t-Butyl Ether	0.5	0.5845735	1	0.5882366	2	0.6688245	5	0.5853	10	0.6312203	50	0.5982356

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010)

Project: CTO154 OU3RI NAS Jacksonville_2010

Calibration: 0349001

Instrument: MS-VOA3

Matrix: Water

Calibration Date: 12/13/2010 4:19:50PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	0.5	2.433329	1	2.515944	2	2.514589	5	2.477855	10	2.50874	50	2.348189
Styrene	0.5	1.550503	1	1.54349	2	1.683067	5	1.543849	10	1.597325	50	1.567725
1,1,2,2-Tetrachloroethane	0.5	0.5737098	1	0.5848219	2	0.5716528	5	0.5338554	10	0.578875	50	0.5209569
1,1,1,2-Tetrachloroethane	0.5	0.4451939	1	0.3824872	2	0.4122394	5	0.3961206	10	0.4263303	50	0.4371133
tert-Butyl alcohol	2.5	~~2.149553E-02~~	5	2.163513E-02	10	2.127054E-02	25	2.199519E-02	50	0.0228146	250	2.099016E-02
Tetrachloroethene	0.5	0.482767	1	0.4876111	2	0.5020376	5	0.4996718	10	0.5101614	50	0.4800443
Toluene	0.5	1.247035	1	1.212974	2	1.252529	5	1.185599	10	1.238227	50	1.189405
1,2,3-Trichlorobenzene	0.5	0.6080961	1	0.5763427	2	0.5893233	5	0.5638707	10	0.5779804	50	0.5670644
1,2,4-Trichlorobenzene	0.5	0.7085799	1	0.6891037	2	0.6744443	5	0.6051668	10	0.6704001	50	0.6386562
1,1,2-Trichloroethane	0.5	0.3991394	1	0.3201807	2	0.3385819	5	0.345621	10	0.359205	50	0.3456522
1,1,1-Trichloroethane	0.5	0.3687288	1	0.3738835	2	0.3402575	5	0.3425662	10	0.365882	50	0.3743074
Tetrahydrofuran	0.5	~~0.331561~~	1	~~7.524064E-02~~	2	5.154016E-02	5	6.611734E-02	10	6.244244E-02	50	5.737525E-02
Trichloroethene	0.5	0.3183136	1	0.2694975	2	0.2417182	5	0.2463136	10	0.2494619	50	0.2426902
Trichlorofluoromethane	0.5	0.3458383	1	0.3633875	2	0.375993	5	0.3590265	10	0.3698499	50	0.3683429
1,2,3-Trichloropropane	0.5	0.1532607	1	0.1444399	2	0.185652	5	0.1604444	10	0.1778821	50	0.1695226
1,3,5-Trimethylbenzene	0.5	1.930123	1	1.802769	2	1.829714	5	1.792972	10	1.855304	50	1.73292
1,2,4-Trimethylbenzene	0.5	1.940038	1	1.94153	2	1.946413	5	1.85076	10	1.929432	50	1.778362
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1762895	1	0.1694522	2	0.1884945	5	0.1909454	10	0.1951885	50	0.1946
Vinyl chloride	0.5	0.1483903	1	0.1995852	2	0.1871665	5	0.202145	10	0.1997336	50	0.1977506
m,p-Xylene	1	2.055322	2	1.963648	4	2.038175	10	1.879889	20	1.974607	100	1.737417
o-Xylene	0.5	2.124446	1	1.991406	2	2.150863	5	1.978831	10	2.047861	50	1.877664
Vinyl acetate	0.9995		1.999	0.2480553	3.998	0.2649412	9.995	0.2823836	19.99	0.2901648	99.95	0.2877945
Xylenes (total)	1.5	2.078363	3	1.972901	6	2.075738	15	1.91287	30	1.999025	150	1.784166
Dibromofluoromethane	30	0.2705314	30	0.2559628	30	0.2574518	30	0.2612367	30	0.2583508	30	0.2647555
1,2-Dichloroethane-d4	30	5.500115E-02	30	5.371499E-02	30	5.507418E-02	30	5.668504E-02	30	5.431509E-02	30	5.463436E-02
Toluene-d8	30	2.038742	30	1.982436	30	2.085078	30	2.033422	30	2.032512	30	2.113504
tert-Amyl alcohol	2.5	~~1.461434E-02~~	5	~~1.020664E-02~~	10	1.312039E-02	25	0.0122934	50	1.455852E-02	250	1.329994E-02
tert-Amyl ethyl ether	0.5	0.6359718	1	0.6834128	2	0.7208271	5	0.6947044	10	0.7380332	50	0.6782045

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010)

Project: CTO154 OU3RI NAS Jacksonville_2010

Calibration: 0349001

Instrument: MS-VOA3

Matrix: Water

Calibration Date: 12/13/2010 4:19:50PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone							1	6.924801E-02	2	7.004323E-02	4	7.166361E-02
Acrolein	500.2	3.828619E-02	750.3	0.0384596	1000	3.704978E-02						
Acrylonitrile	499.8	8.206378E-02	749.7	8.326204E-02	999.6	7.707657E-02						
Benzene	100	0.8637814	150	0.8643363	200	0.8278845						
Bromobenzene	100	0.6145379	150	0.6144702	200	0.591971						
Bromochloromethane	100	0.1145513	150	0.117402	200	0.1146124						
Tert-Amyl Methyl Ether	100	0.6799489	150	0.6837358	200	0.6651655						
Bromodichloromethane	100	0.3257019	150	0.3339067	200	0.3202048						
Bromoform	100	0.3568635	150	0.3747126	200	0.3616281						
Bromomethane	100	0.13663	150	0.1439066	200	0.1420813						
Bromofluorobenzene	30	0.9757677	30	0.9784898	30	0.9463768						
n-Butylbenzene	100	1.460117	150	1.430709	200	1.301689						
2-Butanone							1	~~5.375996E-02~~	2	9.746882E-02	4	3.130207E-02
sec-Butylbenzene	100	1.877194	150	1.820049	200	1.68558						
tert-Butylbenzene	100	1.450458	150	1.414223	200	1.29641						
Carbon disulfide	100	0.6666282	150	0.6836866	200	0.6673172						
Carbon tetrachloride	100	0.328396	150	0.3397571	200	0.3277616						
Chlorobenzene	100	1.299024	150	1.22112	200	1.120586						
Chloroethane	100	0.1116156	150	0.1149069	200	0.1109666						
Chloroform	100	0.4136086	150	0.4208561	200	0.408767						
2-Chloroethyl vinyl ether	199.5	0.1646961	299.2	0.1669243	399	0.151603						
Chloromethane	100	0.2287215	150	0.2323317	200	0.2212954						
1-Chlorohexane	100.2	1.03369	150.3	0.9713967	200.4	0.8711421						
2-Chlorotoluene	100	1.582092	150	1.560091	200	1.443689						
4-Chlorotoluene	100	1.602025	150	1.578837	200	1.404999						
Cyclohexane	100	0.3656237	150	0.3701137	200	0.359461						
Dibromochloromethane	100	0.4910082	150	0.4978901	200	0.482151						
1,2-Dibromo-3-chloropropane	100	0.1331671	150	0.1393588	200	0.1339187						
1,2-Dibromoethane (EDB)	100	0.4745954	150	0.4741722	200	0.4536428						
Dibromomethane	100	0.1577298	150	0.1571603	200	0.1540797						
1,2-Dichlorobenzene	100	0.9776871	150	0.9618022	200	0.8922544						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0349001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Date:	12/13/2010 4:19:50PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	0.9682114	150	0.9649406	200	0.9079863						
1,4-Dichlorobenzene	100	0.9760724	150	0.9528481	200	0.8737436						
Dichlorodifluoromethane	100	0.2222112	150	0.2231951	200	0.2174144						
1,1-Dichloroethane	100	0.4021943	150	0.4111743	200	0.394473						
1,2-Dichloroethane	100	0.3647481	150	0.3716969	200	0.3625117						
1,1-Dichloroethene	100	0.1817293	150	0.1767042	200	0.1747987						
cis-1,2-Dichloroethene	100	0.2299435	150	0.24056	200	0.2318847						
trans-1,2-Dichloroethene	100	0.2116245	150	0.214973	200	0.2072686						
1,2-Dichloroethene (total)	200	0.220784	300	0.2277665	400	0.2195766						
1,2-Dichloropropane	100	0.2419356	150	0.2493389	200	0.2391677						
1,3-Dichloropropane	100	0.7004935	150	0.6955713	200	0.6537341						
2,2-Dichloropropane	100	0.351391	150	0.3571775	200	0.3483935						
1,1-Dichloropropene	100	0.3246441	150	0.3277977	200	0.3192688						
cis-1,3-Dichloropropene	100	0.4000485	150	0.4114682	200	0.3924478						
trans-1,3-Dichloropropene	100	0.6862714	150	0.7035245	200	0.6480896						
Diisopropyl Ether	100	0.8688388	150	0.9080615	200	0.8782371						
Ethylbenzene	100	2.12056	150	1.97899	200	1.761797						
Ethyl tert-Butyl Ether	100	0.7809032	150	0.8086737	200	0.791471						
Ethyl Methacrylate	100	0.5952338	150	0.5930545	200	0.5472426						
Hexachlorobutadiene	100	0.304053	150	0.3151297	200	0.308474						
2-Hexanone							1	~~0.1332829~~	2	0.2361711	4	0.2585611
Iodomethane	100	0.2872692	150	0.2915461	200	0.2879952						
Isopropylbenzene	100	1.757892	150	1.662689	200	1.516641						
p-Isopropyltoluene	100	1.337683	150	1.331424	200	1.227972						
Methylene chloride	100	0.226279	150	0.2190184	200	0.2250599						
Methyl Acetate	100	0.1678954	150	0.1695401	200	0.1593868						
Methylcyclohexane	100	0.3000107	150	0.3078257	200	0.2901031						
Naphthalene	100	1.55877	150	1.584748	200	1.461923						
Methyl Methacrylate	100	0.245171	150	0.2530167	200	0.2324815						
4-Methyl-2-pentanone							1	~~0.1208167~~	2	0.2035136	4	0.2253249
Methyl t-Butyl Ether	100	0.6195965	150	0.6368412	200	0.6089342						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0349001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Date:	12/13/2010 4:19:50PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	100	2.261209	150	2.130417	200	1.944995						
Styrene	100	1.489009	150	1.408933	200	1.28643						
1,1,2,2-Tetrachloroethane	100	0.5165797	150	0.5157781	200	0.4732074						
1,1,1,2-Tetrachloroethane	100	0.4335159	150	0.4296834	200	0.3987062						
tert-Butyl alcohol	500	2.315795E-02	750	0.0238508	1000	2.202951E-02						
Tetrachloroethene	100	0.4815017	150	0.4765631	200	0.4448649						
Toluene	100	1.159464	150	1.130034	200	1.034179						
1,2,3-Trichlorobenzene	100	0.5717627	150	0.6058397	200	0.5715773						
1,2,4-Trichlorobenzene	100	0.6485093	150	0.6679303	200	0.6384897						
1,1,2-Trichloroethane	100	0.3546281	150	0.3470393	200	0.3274408						
1,1,1-Trichloroethane	100	0.3841155	150	0.4001614	200	0.3844855						
Tetrahydrofuran	100	6.403116E-02	150	6.777032E-02	200	6.185409E-02						
Trichloroethene	100	0.2536167	150	0.2533344	200	0.2411768						
Trichlorofluoromethane	100	0.3734831	150	0.3764668	200	0.3641211						
1,2,3-Trichloropropane	100	0.1777841	150	0.1757025	200	0.1661717						
1,3,5-Trimethylbenzene	100	1.683992	150	1.642599	200	1.502635						
1,2,4-Trimethylbenzene	100	1.738126	150	1.694609	200	1.537815						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.1956468	150	0.1983906	200	0.1910924						
Vinyl chloride	100	0.1983568	150	0.1969915	200	0.1887952						
m,p-Xylene	200	1.544131	300	1.390569	400	~~1.227289~~						
o-Xylene	100	1.737617	150	1.6147	200	1.450261						
Vinyl acetate	199.9	0.3044303	299.8	0.3025895	399.8	0.2911864						
Xylenes (total)	300	1.608626	450	1.465279	600	~~1.301613~~						
Dibromofluoromethane	30	0.2557741	30	0.2556111	30	0.2641592						
1,2-Dichloroethane-d4	30	5.354104E-02	30	5.854333E-02	30	5.553817E-02						
Toluene-d8	30	2.061741	30	2.048771	30	2.041381						
tert-Amyl alcohol	500	1.593537E-02	750	1.712602E-02	1000	1.640884E-02						
tert-Amyl ethyl ether	100	0.6880044	150	0.6763446	200	0.6427264						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0349001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Date:	12/13/2010 4:19:50PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	10	7.176034E-02	20	7.483526E-02	100	6.989271E-02	200	7.175376E-02	300	7.202975E-02	400	7.148737E-02
Acrolein												
Acrylonitrile												
Benzene												
Bromobenzene												
Bromochloromethane												
Tert-Amyl Methyl Ether												
Bromodichloromethane												
Bromoform												
Bromomethane												
Bromofluorobenzene												
n-Butylbenzene												
2-Butanone	10	9.687901E-02	20	9.291952E-02	100	0.1035663	200	0.1103997	300	0.1065589	400	0.1059766
sec-Butylbenzene												
tert-Butylbenzene												
Carbon disulfide												
Carbon tetrachloride												
Chlorobenzene												
Chloroethane												
Chloroform												
2-Chloroethyl vinyl ether												
Chloromethane												
1-Chlorohexane												
2-Chlorotoluene												
4-Chlorotoluene												
Cyclohexane												
Dibromochloromethane												
1,2-Dibromo-3-chloropropane												
1,2-Dibromoethane (EDB)												
Dibromomethane												
1,2-Dichlorobenzene												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0349001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Date:	12/13/2010 4:19:50PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
Dichlorodifluoromethane												
1,1-Dichloroethane												
1,2-Dichloroethane												
1,1-Dichloroethene												
cis-1,2-Dichloroethene												
trans-1,2-Dichloroethene												
1,2-Dichloroethene (total)												
1,2-Dichloropropane												
1,3-Dichloropropane												
2,2-Dichloropropane												
1,1-Dichloropropene												
cis-1,3-Dichloropropene												
trans-1,3-Dichloropropene												
Diisopropyl Ether												
Ethylbenzene												
Ethyl tert-Butyl Ether												
Ethyl Methacrylate												
Hexachlorobutadiene												
2-Hexanone	10	0.2806426	20	0.3277251	100	0.3276049	200	0.3492807	300	0.318353	400	0.3159359
Iodomethane												
Isopropylbenzene												
p-Isopropyltoluene												
Methylene chloride												
Methyl Acetate												
Methylcyclohexane												
Naphthalene												
Methyl Methacrylate												
4-Methyl-2-pentanone	10	0.2067375	20	0.2359888	100	0.2438151	200	0.2559225	300	0.2441126	400	0.2359799
Methyl t-Butyl Ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0349001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Date:	12/13/2010 4:19:50PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene												
Styrene												
1,1,2,2-Tetrachloroethane												
1,1,1,2-Tetrachloroethane												
tert-Butyl alcohol												
Tetrachloroethene												
Toluene												
1,2,3-Trichlorobenzene												
1,2,4-Trichlorobenzene												
1,1,2-Trichloroethane												
1,1,1-Trichloroethane												
Tetrahydrofuran												
Trichloroethene												
Trichlorofluoromethane												
1,2,3-Trichloropropane												
1,3,5-Trimethylbenzene												
1,2,4-Trimethylbenzene												
1,1,2-Trichloro-1,2,2-trifluoroethan												
Vinyl chloride												
m,p-Xylene												
o-Xylene												
Vinyl acetate												
Xylenes (total)												
Dibromofluoromethane												
1,2-Dichloroethane-d4												
Toluene-d8												
tert-Amyl alcohol												
tert-Amyl ethyl ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0349001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Date:	12/13/2010 4:19:50PM

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone												
Acrolein												
Acrylonitrile												
Benzene												
Bromobenzene												
Bromochloromethane												
Tert-Amyl Methyl Ether												
Bromodichloromethane												
Bromoform												
Bromomethane												
Bromofluorobenzene												
n-Butylbenzene												
2-Butanone												
sec-Butylbenzene												
tert-Butylbenzene												
Carbon disulfide												
Carbon tetrachloride												
Chlorobenzene												
Chloroethane												
Chloroform												
2-Chloroethyl vinyl ether												
Chloromethane												
1-Chlorohexane												
2-Chlorotoluene												
4-Chlorotoluene												
Cyclohexane												
Dibromochloromethane												
1,2-Dibromo-3-chloropropane												
1,2-Dibromoethane (EDB)												
Dibromomethane												
1,2-Dichlorobenzene												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0349001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Date:	12/13/2010 4:19:50PM

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene												
1,4-Dichlorobenzene												
Dichlorodifluoromethane												
1,1-Dichloroethane												
1,2-Dichloroethane												
1,1-Dichloroethene												
cis-1,2-Dichloroethene												
trans-1,2-Dichloroethene												
1,2-Dichloroethene (total)												
1,2-Dichloropropane												
1,3-Dichloropropane												
2,2-Dichloropropane												
1,1-Dichloropropene												
cis-1,3-Dichloropropene												
trans-1,3-Dichloropropene												
Diisopropyl Ether												
Ethylbenzene												
Ethyl tert-Butyl Ether												
Ethyl Methacrylate												
Hexachlorobutadiene												
2-Hexanone												
Iodomethane												
Isopropylbenzene												
p-Isopropyltoluene												
Methylene chloride												
Methyl Acetate												
Methylcyclohexane												
Naphthalene												
Methyl Methacrylate												
4-Methyl-2-pentanone												
Methyl t-Butyl Ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0349001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Date:	12/13/2010 4:19:50PM

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene												
Styrene												
1,1,2,2-Tetrachloroethane												
1,1,1,2-Tetrachloroethane												
tert-Butyl alcohol												
Tetrachloroethene												
Toluene												
1,2,3-Trichlorobenzene												
1,2,4-Trichlorobenzene												
1,1,2-Trichloroethane												
1,1,1-Trichloroethane												
Tetrahydrofuran												
Trichloroethene												
Trichlorofluoromethane												
1,2,3-Trichloropropane												
1,3,5-Trimethylbenzene												
1,2,4-Trimethylbenzene												
1,1,2-Trichloro-1,2,2-trifluoroethan												
Vinyl chloride												
m,p-Xylene												
o-Xylene												
Vinyl acetate												
Xylenes (total)												
Dibromofluoromethane												
1,2-Dichloroethane-d4												
Toluene-d8												
tert-Amyl alcohol												
tert-Amyl ethyl ether												

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0349001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Date:	12/13/2010 4:19:50PM

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	7.141267E-02	2.283392	5.380222	0.1161561			15	
Acrolein	3.837883E-02	6.679093	5.221333	6.921031E-02			15	
Acrylonitrile	8.164535E-02	3.702574	6.065333	9.991203E-02			15	
Benzene	0.8693201	5.723872	12.115	3.879217E-02			15	
Bromobenzene	0.6203722	5.562394	17.223	2.639792E-02			15	
Bromochloromethane	0.1138001	5.402698	9.639	8.055648E-02			15	
Tert-Amyl Methyl Ether	0.7127696	9.54379	12.46114	1.033009E-02			15	
Bromodichloromethane	0.3079503	5.224727	13.11622	1.620503E-02			15	
Bromoform	0.293042	20.56356	16.51433	2.448315E-02	0.9987915		SPCC (0.1)	
Bromomethane	0.1212823	15.88542	4.390333	6.191229E-02	0.9994355		0.995	
Bromofluorobenzene	0.9798013	1.870278	17.055	2.105815E-02			15	
n-Butylbenzene	1.521531	8.125579	18.40633	1.570071E-02			15	
2-Butanone	9.313386E-02	27.54904	8.8875	0.2775983	0.999558		0.995	
sec-Butylbenzene	1.942098	7.067644	17.95633	1.042928E-02			15	
tert-Butylbenzene	1.517573	7.911336	18.08433	2.031522E-02			15	
Carbon disulfide	0.622022	6.829421	6.605667	4.366265E-02			15	
Carbon tetrachloride	0.297389	10.39837	12.07333	1.440845E-02			15	
Chlorobenzene	1.346299	8.860194	16.10867	1.499684E-02			SPCC (0.3)	
Chloroethane	0.1180991	14.87566	4.557667	0.1098222			15	
Chloroform	0.4195814	3.427673	9.799	0.1016528			CCC (20)	
2-Chloroethyl vinyl ether	0.1608573	4.686945	13.711	4.719969E-02			15	
Chloromethane	0.2231797	11.20807	3.729889	0.1126941			SPCC (0.1)	
1-Chlorohexane	1.123854	12.93171	16.06833	2.076101E-02			15	
2-Chlorotoluene	1.640755	6.330958	17.44133	2.088678E-02			15	
4-Chlorotoluene	1.644672	6.956288	17.49967	1.775187E-02			15	
Cyclohexane	0.3540904	4.974101	11.96367	0.0279755			15	
Dibromochloromethane	0.4234378	14.40268	15.09467	2.312328E-02			15	
1,2-Dibromo-3-chloropropane	0.1104092	20.47113	18.75733	2.486783E-02	0.9987271		0.995	
1,2-Dibromoethane (EDB)	0.4713652	5.069841	15.32833	1.248373E-02			15	
Dibromomethane	0.1573576	7.291752	12.938	4.494394E-02			15	
1,2-Dichlorobenzene	0.9980283	5.39051	18.38033	3.976783E-03			15	
1,3-Dichlorobenzene	0.9972267	4.614311	18.036	1.195149E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0349001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Date:	12/13/2010 4:19:50PM

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.050547	10.70503	18.08433	2.031522E-02			15	
Dichlorodifluoromethane	0.196978	14.45822	3.521667	9.130799E-02	0.9996804		0.995	
1,1-Dichloroethane	0.3970346	2.173926	7.909	0.1001988			SPCC (0.1)	
1,2-Dichloroethane	0.3618399	3.117376	11.27444	5.922584E-02			15	
1,1-Dichloroethene	0.1848867	7.173388	6.027667	0.1119975			CCC (20)	
cis-1,2-Dichloroethene	0.2321957	6.51156	9.263333	0.1166118			15	
trans-1,2-Dichloroethene	0.2143621	6.699331	7.398667	6.897512E-02			15	
1,2-Dichloroethene (total)	0.2232789	3.538246	0	0			15	
1,2-Dichloropropane	0.2374431	4.113964	13.00033	3.669978E-02			CCC (20)	
1,3-Dichloropropane	0.6742105	13.69647	14.853	1.392896E-02			15	
2,2-Dichloropropane	0.3499551	3.946072	10.03344	0.0892213			15	
1,1-Dichloropropene	0.3096047	4.004482	11.82367	3.756467E-02			15	
cis-1,3-Dichloropropene	0.3885811	4.067808	13.95333	2.095492E-02			15	
trans-1,3-Dichloropropene	0.6394469	7.377868	14.443	3.121757E-02			15	
Diisopropyl Ether	0.8524412	5.59544	9.040222	0.1016453			15	
Ethylbenzene	2.227076	10.4301	16.27267	2.137116E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.7641753	4.286409	10.1225	7.275247E-02			15	
Ethyl Methacrylate	0.5619364	7.945655	14.91922	3.445866E-02			15	
Hexachlorobutadiene	0.2918512	5.293205	20.315	1.883089E-02			15	
2-Hexanone	0.3017843	12.94959	15.0305	6.273039E-02			15	
Iodomethane	0.2521788	14.37537	6.07	4.826222E-02	0.9997996		0.995	
Isopropylbenzene	1.851838	9.416512	17.02478	2.088716E-02			15	
p-Isopropyltoluene	1.366312	5.016463	17.78767	5.717893E-03			15	
Methylene chloride	0.2407745	8.997654	6.24	0.1166582			15	
Methyl Acetate	0.1660347	6.750793	6.2855	0.1506604			15	
Methylcyclohexane	0.2943189	2.884429	13.74367	2.768822E-02			15	
Naphthalene	1.517986	3.801356	20.27433	2.092311E-02			15	
Methyl Methacrylate	0.2182298	14.6991	13.39375	6.718718E-02			15	
4-Methyl-2-pentanone	0.2314244	7.970874	14.0965	3.427182E-02			15	
Methyl t-Butyl Ether	0.6135292	4.639121	7.661333	0.1385543			15	
n-Propylbenzene	2.348363	8.559379	17.36033	0.0247832			15	
Styrene	1.518926	7.533105	16.68667	2.514641E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0349001	Instrument:	MS-VOA3
Matrix:	Water	Calibration Date:	12/13/2010 4:19:50PM

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,2,2-Tetrachloroethane	0.5410486	7.051772	16.752	1.727606E-02			SPCC (0.3)	
1,1,1,2-Tetrachloroethane	0.4179322	5.143498	16.05033	0.0131012			15	
tert-Butyl alcohol	2.221799E-02	4.415061	6.02425	0.1354799			15	
Tetrachloroethene	0.4850248	3.904585	15.51789	1.665171E-02			15	
Toluene	1.183272	5.857981	14.78989	2.991216E-02			CCC (20)	
1,2,3-Trichlorobenzene	0.5813175	2.795132	20.51667	5.221391E-03			15	
1,2,4-Trichlorobenzene	0.6601423	4.682353	20.00911	1.387888E-02			15	
1,1,2-Trichloroethane	0.3486098	6.477077	14.595	2.904031E-02			15	
1,1,1-Trichloroethane	0.3704875	5.232186	11.47467	4.130506E-02			15	
Tetrahydrofuran	6.159011E-02	8.996479	10.63586	0.1499273			15	
Trichloroethene	0.257347	9.517283	13.07867	2.338694E-02			15	
Trichlorofluoromethane	0.3662788	2.644332	5.268333	0.116333			15	
1,2,3-Trichloropropane	0.1678733	7.878045	16.85667	7.977424E-03			15	
1,3,5-Trimethylbenzene	1.752559	7.324779	17.56333	1.933134E-02			15	
1,2,4-Trimethylbenzene	1.817454	7.825182	17.86667	0.0186587			15	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1889	5.13942	6.346556	9.148294E-02			15	
Vinyl chloride	0.1909905	8.770908	3.933778	0.1326098			CCC (20)	
m,p-Xylene	1.82297	13.41064	16.4295	2.639917E-02			15	
o-Xylene	1.885961	12.69374	16.745	7.701285E-03			15	
Vinyl acetate	0.2839432	6.688655	8.19775	0.1540793			15	
Xylenes (total)	1.862121	12.07325	0	0			15	
Dibromofluoromethane	0.2604259	1.982991	10.10711	7.492134E-02			15	
1,2-Dichloroethane-d4	5.522748E-02	2.834664	11.12567	3.965812E-02			15	
Toluene-d8	2.048621	1.787892	14.714	2.238763E-02			15	
tert-Amyl alcohol	0.0146775	12.62285	10.97786	7.327972E-02			15	
tert-Amyl ethyl ether	0.6842477	4.766204	13.63533	1.971528E-02			15	

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	MS-VOA3	Calibration:	0349001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	12/13/10 16:19
Sequence:	0L34801	Injection Date:	12/13/10
Lab Sample ID:	0L34801-ICV1	Injection Time:	20:46

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzene	A	50.00	51.43	0.8693201	0.8941339		2.9	20
Bromodichloromethane	A	50.00	56.24	0.3079503	0.3463787		12.5	20
Bromoform	L	50.00	48.51	0.293042	0.3440534	0.1	-3.0	20
Bromomethane	L	50.00	47.02	0.1212823	0.130657		-6.0	20
Carbon disulfide	A	50.00	54.66	0.622022	0.6799749		9.3	20
Carbon tetrachloride	A	50.00	55.16	0.297389	0.3281006		10.3	20
Chlorobenzene	A	50.00	50.62	1.346299	1.363055	0.3	1.2	20
Chloroethane	A	50.00	50.21	0.1180991	0.118603		0.4	20
Chloroform	A	50.00	49.64	0.4195814	0.4165235		-0.7	20
Chloromethane	A	50.00	55.57	0.2231797	0.2480287	0.1	11.1	20
Cyclohexane	A	50.00	51.46	0.3540904	0.364431		2.9	20
Dibromochloromethane	A	50.00	57.97	0.4234378	0.4908968		15.9	20
1,2-Dibromo-3-chloropropane	L	50.00	47.54	0.1104092	0.1254699		-4.9	20
1,2-Dibromoethane (EDB)	A	50.00	51.46	0.4713652	0.4851486		2.9	20
1,2-Dichlorobenzene	A	50.00	49.90	0.9980283	0.9960596		-0.2	20
1,3-Dichlorobenzene	A	50.00	49.95	0.9972267	0.9962532		-0.1	20
1,4-Dichlorobenzene	A	50.00	47.84	1.050547	1.005097		-4.3	20
Dichlorodifluoromethane	L	50.00	58.50	0.196978	0.2561483		17.0	20
1,1-Dichloroethane	A	50.00	51.14	0.3970346	0.4061262	0.1	2.3	20
1,2-Dichloroethane	A	50.00	50.93	0.3618399	0.3685509		1.9	20
1,1-Dichloroethene	A	50.00	52.91	0.1848867	0.1956321		5.8	20
cis-1,2-Dichloroethene	A	50.00	50.70	0.2321957	0.2354322		1.4	20
trans-1,2-Dichloroethene	A	50.00	51.72	0.2143621	0.2217261		3.4	20
1,2-Dichloropropane	A	50.00	51.40	0.2374431	0.2440868		2.8	20
cis-1,3-Dichloropropene	A	50.00	50.31	0.3885811	0.3910017		0.6	20
trans-1,3-Dichloropropene	A	50.00	58.02	0.6394469	0.742055		16.0	20
Ethylbenzene	A	50.00	51.52	2.227076	2.29469		3.0	20
Isopropylbenzene	A	50.00	54.85	1.851838	2.031544		9.7	20
Methylene chloride	A	50.00	48.88	0.2407745	0.235388		-2.2	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	MS-VOA3	Calibration:	0349001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	12/13/10 16:19
Sequence:	0L34801	Injection Date:	12/13/10
Lab Sample ID:	0L34801-ICV1	Injection Time:	20:46

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Methyl Acetate	A	50.00	49.37	0.1660347	0.1639309		-1.3	20
Methylcyclohexane	A	50.00	50.68	0.2943189	0.2983378		1.4	20
Methyl t-Butyl Ether	A	50.00	50.46	0.6135292	0.6192344		0.9	20
Styrene	A	50.00	50.98	1.518926	1.548676		2.0	20
1,1,2,2-Tetrachloroethane	A	50.00	48.92	0.5410486	0.5293168	0.3	-2.2	20
Tetrachloroethene	A	50.00	51.57	0.4850248	0.5002247		3.1	20
Toluene	A	50.00	50.57	1.183272	1.196834		1.1	20
1,2,4-Trichlorobenzene	A	50.00	48.77	0.6601423	0.6438994		-2.5	20
1,1,2-Trichloroethane	A	50.00	49.67	0.3486098	0.3462764		-0.7	20
1,1,1-Trichloroethane	A	50.00	52.03	0.3704875	0.3854951		4.1	20
Trichloroethene	A	50.00	49.96	0.257347	0.2571358		-0.08	20
Trichlorofluoromethane	A	50.00	53.48	0.3662788	0.3917564		7.0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	A	50.00	54.12	0.1889	0.2044511		8.2	20
Vinyl chloride	A	50.00	55.27	0.1909905	0.2111267		10.5	20
Xylenes (total)	A	150.0	146.0	1.862121	1.794827		-3.6	20
Bromofluorobenzene	A	30.00	30.31	0.9798013	0.9898197		1.0	20
Dibromofluoromethane	A	30.00	30.97	0.2604259	0.2688347		3.2	20
1,2-Dichloroethane-d4	A	30.00	31.16	5.522748E-02	5.736291E-02		3.9	20
Toluene-d8	A	30.00	30.80	2.048621	2.103532		2.7	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	MS-VOA3	Calibration:	0349001
Lab File ID:	SEQ-ICV3x.D	Calibration Date:	12/13/10 16:19
Sequence:	0L34801	Injection Date:	12/14/10
Lab Sample ID:	0L34801-ICV4	Injection Time:	02:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	200.0	203.4	7.141267E-02	7.264121E-02		1.7	20
2-Butanone	L	200.0	205.1	9.313386E-02	0.1091943		2.5	20
2-Hexanone	A	200.0	225.3	0.3017843	0.3400184		12.7	20
4-Methyl-2-pentanone	A	200.0	215.1	0.2314244	0.2488677		7.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	MS-VOA3	Calibration:	0349001
Lab File ID:	1216CC1E.D	Calibration Date:	12/13/10 16:19
Sequence:	0L35111	Injection Date:	12/17/10
Lab Sample ID:	0L35111-CCV1	Injection Time:	01:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	200.0	206.6	7.141267E-02	7.375326E-02		3.3	20	
Benzene	A	100.0	103.7	0.8693201	0.9016267		3.7	20	
Bromodichloromethane	A	100.0	114.7	0.3079503	0.3533546		14.7	20	
Bromoform	L	100.0	102.4	0.293042	0.3702335	0.1	2.4	20	
Bromomethane	L	100.0	66.04	0.1212823	9.249858E-02		-34.0	20	*
2-Butanone	L	200.0	184.0	9.313386E-02	9.787384E-02		-8.0	20	
Carbon disulfide	A	100.0	109.0	0.622022	0.6779914		9.0	20	
Carbon tetrachloride	A	100.0	111.0	0.297389	0.3299937		11.0	20	
Chlorobenzene	A	100.0	95.58	1.346299	1.286755	0.3	-4.4	20	
Chloroethane	A	100.0	101.6	0.1180991	0.1200575		1.7	20	
Chloroform	A	100.0	108.2	0.4195814	0.454167		8.2	20	
Chloromethane	A	100.0	91.02	0.2231797	0.2031505	0.1	-9.0	20	
Cyclohexane	A	100.0	102.0	0.3540904	0.3611807		2.0	20	
Dibromochloromethane	A	100.0	118.4	0.4234378	0.5014673		18.4	20	
1,2-Dibromo-3-chloropropane	L	100.0	98.40	0.1104092	0.1321451		-1.6	20	
1,2-Dibromoethane (EDB)	A	100.0	106.8	0.4713652	0.5035517		6.8	20	
1,2-Dichlorobenzene	A	100.0	102.7	0.9980283	1.024781		2.7	20	
1,3-Dichlorobenzene	A	100.0	104.0	0.9972267	1.0377		4.1	20	
1,4-Dichlorobenzene	A	100.0	99.86	1.050547	1.049108		-0.1	20	
Dichlorodifluoromethane	L	100.0	93.39	0.196978	0.2048736		-6.6	20	
1,1-Dichloroethane	A	100.0	105.9	0.3970346	0.4204148	0.1	5.9	20	
1,2-Dichloroethane	A	100.0	107.6	0.3618399	0.3895282		7.7	20	
1,1-Dichloroethene	A	100.0	99.64	0.1848867	0.1842125		-0.4	20	
cis-1,2-Dichloroethene	A	100.0	106.6	0.2321957	0.2476385		6.7	20	
trans-1,2-Dichloroethene	A	100.0	103.7	0.2143621	0.2222761		3.7	20	
1,2-Dichloropropane	A	100.0	103.2	0.2374431	0.2449351		3.2	20	
cis-1,3-Dichloropropene	A	100.0	104.4	0.3885811	0.4057706		4.4	20	
trans-1,3-Dichloropropene	A	100.0	109.1	0.6394469	0.6978917		9.1	20	
Ethylbenzene	A	100.0	97.79	2.227076	2.177828		-2.2	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	MS-VOA3	Calibration:	0349001
Lab File ID:	1216CC1E.D	Calibration Date:	12/13/10 16:19
Sequence:	0L35111	Injection Date:	12/17/10
Lab Sample ID:	0L35111-CCV1	Injection Time:	01:19

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Hexanone	A	200.0	204.6	0.3017843	0.3087958		2.3	20
Isopropylbenzene	A	100.0	97.87	1.851838	1.812443		-2.1	20
Methylene chloride	A	100.0	99.62	0.2407745	0.2398719		-0.4	20
Methyl Acetate	A	100.0	102.6	0.1660347	0.170397		2.6	20
Methylcyclohexane	A	100.0	96.50	0.2943189	0.2840145		-3.5	20
4-Methyl-2-pentanone	A	200.0	202.8	0.2314244	0.2346473		1.4	20
Methyl t-Butyl Ether	A	100.0	104.4	0.6135292	0.6407683		4.4	20
Styrene	A	100.0	99.82	1.518926	1.516193		-0.2	20
1,1,2,2-Tetrachloroethane	A	100.0	99.36	0.5410486	0.537582	0.3	-0.6	20
Tetrachloroethene	A	100.0	101.4	0.4850248	0.4917562		1.4	20
Toluene	A	100.0	99.06	1.183272	1.172112		-0.9	20
1,2,4-Trichlorobenzene	A	100.0	100.9	0.6601423	0.6659106		0.9	20
1,1,2-Trichloroethane	A	100.0	103.7	0.3486098	0.3614327		3.7	20
1,1,1-Trichloroethane	A	100.0	111.2	0.3704875	0.4119128		11.2	20
Trichloroethene	A	100.0	105.0	0.257347	0.2700934		5.0	20
Trichlorofluoromethane	A	100.0	109.1	0.3662788	0.3995218		9.1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	A	100.0	106.9	0.1889	0.2020019		6.9	20
Vinyl chloride	A	100.0	102.7	0.1909905	0.1961001		2.7	20
Xylenes (total)	A	300.0	269.3	1.862121	1.656531		-11.0	20
Bromofluorobenzene	A	30.00	29.61	0.9798013	0.9671219		-1.3	20
Dibromofluoromethane	A	30.00	30.04	0.2604259	0.260772		0.1	20
1,2-Dichloroethane-d4	A	30.00	29.52	5.522748E-02	5.434654E-02		-1.6	20
Toluene-d8	A	30.00	29.13	2.048621	1.989163		-2.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2(

Matrix: Laboratory ID: 0L16017-BLK1 File ID: 1216BL1E.D

Sampled: Prepared: Analyzed: 12/17/10 03:15

Solids: Preparation: 5030B Dilution:

Batch: 0L16017 Sequence: 0L35111 Calibration: 0349001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	Q U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.320	0.500	1.00	Y U
78-93-3	2-Butanone		2.50	5.00	10.0	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.250	0.500	1.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.290	0.500	1.00	U
110-82-7	Cyclohexane		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.250	0.500	1.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.250	0.500	1.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
591-78-6	2-Hexanone		2.50	5.00	10.0	U
98-82-8	Isopropylbenzene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		1.00	1.50	3.00	U
79-20-9	Methyl Acetate		1.00	2.50	5.00	U
108-87-2	Methylcyclohexane		0.250	0.500	1.00	U
108-10-1	4-Methyl-2-pentanone		2.50	5.00	10.0	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Project: CTO154 OU3RI NAS Jacksonville_2(
Matrix:
Laboratory ID: 0L16017-BLK1
File ID: 1216BL1E.D
Sampled:
Prepared:
Analyzed: 12/17/10 03:15
Solids:
Preparation: 5030B
Dilution:
Batch: 0L16017
Sequence: 0L35111
Calibration: 0349001
Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		1.00	2.50	5.00	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		1.00	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.22	101	75 - 120	
Dibromofluoromethane	30.00	31.09	104	85 - 115	
1,2-Dichloroethane-d4	30.00	29.51	98.4	70 - 120	
Toluene-d8	30.00	28.64	95.5	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2(

Matrix: Laboratory ID: 0L16017-BS1 File ID: 1216LS1E.D

Sampled: Prepared: Analyzed: 12/17/10 01:49

Solids: Preparation: 5030B Dilution:

Batch: 0L16017 Sequence: 0L35111 Calibration: 0349001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	109	2.50	5.00	10.0	
71-43-2	Benzene	52.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	60.3	0.250	0.500	1.00	
75-25-2	Bromoform	51.0	0.250	0.500	1.00	
74-83-9	Bromomethane	28.0	0.320	0.500	1.00	Y
78-93-3	2-Butanone	90.9	2.50	5.00	10.0	
75-15-0	Carbon disulfide	56.5	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	53.4	0.250	0.500	1.00	
108-90-7	Chlorobenzene	52.5	0.250	0.500	1.00	
75-00-3	Chloroethane	52.2	0.250	0.500	1.00	
67-66-3	Chloroform	56.1	0.250	0.500	1.00	
74-87-3	Chloromethane	49.9	0.290	0.500	1.00	
110-82-7	Cyclohexane	51.1	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	62.2	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	49.0	0.250	0.500	1.00	
106-93-4	1,2-Dibromoethane (EDB)	57.4	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	53.9	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	53.5	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	51.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	56.0	0.250	0.500	1.00	
75-34-3	1,1-Dichloroethane	54.7	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	56.2	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	54.1	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	53.8	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	53.9	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	52.8	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	51.1	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	58.3	0.250	0.500	1.00	
100-41-4	Ethylbenzene	54.1	0.250	0.500	1.00	
591-78-6	2-Hexanone	109	2.50	5.00	10.0	
98-82-8	Isopropylbenzene	56.9	0.250	0.500	1.00	
75-09-2	Methylene chloride	52.4	1.00	1.50	3.00	
79-20-9	Methyl Acetate	53.9	1.00	2.50	5.00	
108-87-2	Methylcyclohexane	47.5	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	106	2.50	5.00	10.0	
1634-04-4	Methyl t-Butyl Ether	53.9	0.250	0.500	1.00	
100-42-5	Styrene	54.8	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	51.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	52.4	0.250	0.500	1.00	
108-88-3	Toluene	51.8	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Project: CTO154 OU3RI NAS Jacksonville_2(
Matrix:
Laboratory ID: 0L16017-BS1
File ID: 1216LS1E.D
Sampled:
Prepared:
Analyzed: 12/17/10 01:49
Solids:
Preparation: 5030B
Dilution:
Batch: 0L16017
Sequence: 0L35111
Calibration: 0349001
Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
120-82-1	1,2,4-Trichlorobenzene	49.2	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	53.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	55.3	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	56.3	1.00	2.50	5.00	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	56.0	0.250	0.500	1.00	
75-01-4	Vinyl chloride	54.3	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	156	1.00	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.72	102	75 - 120	
Dibromofluoromethane	30.00	30.40	101	85 - 115	
1,2-Dichloroethane-d4	30.00	29.15	97.2	70 - 120	
Toluene-d8	30.00	29.59	98.6	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2(

Matrix: Laboratory ID: 0L16017-BSD1 File ID: 1216LD1E.D

Sampled: Prepared: Analyzed: 12/17/10 12:08

Solids: Preparation: 5030B Dilution:

Batch: 0L16017 Sequence: 0L35111 Calibration: 0349001 Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	118	2.50	5.00	10.0	
71-43-2	Benzene	51.6	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	64.9	0.250	0.500	1.00	
75-25-2	Bromoform	48.1	0.250	0.500	1.00	
74-83-9	Bromomethane	25.1	0.320	0.500	1.00	Y
78-93-3	2-Butanone	93.3	2.50	5.00	10.0	
75-15-0	Carbon disulfide	57.1	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	59.5	0.250	0.500	1.00	
108-90-7	Chlorobenzene	53.0	0.250	0.500	1.00	
75-00-3	Chloroethane	46.9	0.250	0.500	1.00	
67-66-3	Chloroform	59.0	0.250	0.500	1.00	
74-87-3	Chloromethane	50.1	0.290	0.500	1.00	
110-82-7	Cyclohexane	49.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	60.1	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	45.8	0.250	0.500	1.00	
106-93-4	1,2-Dibromoethane (EDB)	54.9	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	55.4	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	54.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	51.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	59.9	0.250	0.500	1.00	
75-34-3	1,1-Dichloroethane	54.8	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	64.0	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	53.6	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	53.1	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	53.2	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	54.1	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	49.8	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	54.6	0.250	0.500	1.00	
100-41-4	Ethylbenzene	55.5	0.250	0.500	1.00	
591-78-6	2-Hexanone	105	2.50	5.00	10.0	
98-82-8	Isopropylbenzene	57.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	52.8	1.00	1.50	3.00	
79-20-9	Methyl Acetate	55.1	1.00	2.50	5.00	
108-87-2	Methylcyclohexane	50.8	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	109	2.50	5.00	10.0	
1634-04-4	Methyl t-Butyl Ether	53.8	0.250	0.500	1.00	
100-42-5	Styrene	53.3	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	49.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	53.2	0.250	0.500	1.00	
108-88-3	Toluene	50.7	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Project: CTO154 OU3RI NAS Jacksonville_2(
Matrix:
Laboratory ID: 0L16017-BSD1
File ID: 1216LD1E.D
Sampled:
Prepared:
Analyzed: 12/17/10 12:08
Solids:
Preparation: 5030B
Dilution:
Batch: 0L16017
Sequence: 0L35111
Calibration: 0349001
Instrument: MS-VOA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
120-82-1	1,2,4-Trichlorobenzene	47.3	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	52.8	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	59.5	0.250	0.500	1.00	
79-01-6	Trichloroethene	56.1	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	62.9	1.00	2.50	5.00	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	57.8	0.250	0.500	1.00	
75-01-4	Vinyl chloride	48.9	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	157	1.00	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.85	103	75 - 120	
Dibromofluoromethane	30.00	31.22	104	85 - 115	
1,2-Dichloroethane-d4	30.00	27.79	92.6	70 - 120	
Toluene-d8	30.00	28.27	94.2	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010)

Project: CTO154 OU3RI NAS Jacksonville_2010

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
JAX-MW-780-1-GW20101210	12/10/10 14:52	12/11/10 11:30	12/16/10 00:00	N/A	14.00	12/17/10 05:43	6.66	14.00	
JAX-EW-780-2-GW20101210	12/10/10 15:22	12/11/10 11:30	12/16/10 00:00	N/A	14.00	12/17/10 06:13	6.66	14.00	
JAX-MW-780-DUP01-GW20101210	12/10/10 00:00	12/11/10 11:30	12/16/10 00:00	N/A	14.00	12/17/10 06:43	7.32	14.00	
Trip Blank	12/10/10 00:00	12/11/10 11:30	12/16/10 00:00	N/A	14.00	12/17/10 04:14	7.22	14.00	

Data for SW8260B
Supporting Raw Data / Logs

Sequence Name: C:\msdchem\1\sequence\121310V3.s
Comment: EPA8260B/524.2/624/6200B
Operator: adm
Data Path: C:\MSDCHEM\1\DATA\121310V3\ 10 of 10
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd: M, 12/13/10

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line			Sample Name/Misc Info			
1)	Blank	100	PREBLK1	VWATER3	PREBLK1	
2)	Blank	100	PREBLK2	VWATER3	PREBLK2	
3)	Blank	100	PREBLK3	VWATER3	PREBLK3	
4)	Blank	100	PREBLK4	VWATER3	PREBLK4	
5)	Blank	100	PREBLK5	VWATER3	PREBLK5	
6)	Blank	100	PREBLK6	VWATER3	PREBLK6	
7)	Blank	100	PREBLK7	VWATER3	PREBLK7	
8)	Blank	100	PREBLK8	VWATER3	PREBLK8	
9)	Blank	100	PREBLK9	VWATER3	PREBLK9	
10)	Blank	100	PREBLK10	VWATER3	PREBLK10	
11)	Sample	50	1213TU1	V3BFB	SEQ-TUN1	16:13, 12/13
12)	Calibration	1	SEQ-CAL1	VWATER3	SEQ-CAL1	
13)	Calibration	2	SEQ-CAL2	VWATER3	SEQ-CAL2	
14)	Calibration	3	SEQ-CAL3	VWATER3	SEQ-CAL3	
15)	Calibration	4	SEQ-CAL4	VWATER3	SEQ-CAL4	
16)	Calibration	5	SEQ-CAL5	VWATER3	SEQ-CAL5	
17)	Calibration	6	SEQ-CAL6	VWATER3	SEQ-CAL6	
18)	Calibration	7	SEQ-CAL7	VWATER3	SEQ-CAL7	
19)	Calibration	8	SEQ-CAL8	VWATER3	SEQ-CAL8	
20)	Calibration	9	SEQ-CAL9	VWATER3	SEQ-CAL9	
21)	Spike	10	SEQ-ICV1	VWATER3	SEQ-ICV1	
22)	Spike	11	SEQ-ICV2	VWATER3	SEQ-ICV2	
23)	Calibration	12	SEQ-CALA	VWATER3	SEQ-CALA	
24)	Calibration	13	SEQ-CALB	VWATER3	SEQ-CALB	
25)	Calibration	14	SEQ-CALC	VWATER3	SEQ-CALC	
26)	Calibration	15	SEQ-CALD	VWATER3	SEQ-CALD	
27)	Calibration	16	SEQ-CALE	VWATER3	SEQ-CALE	
28)	Calibration	17	SEQ-CALF	VWATER3	SEQ-CALF	
29)	Calibration	18	SEQ-CALG	VWATER3	SEQ-CALG	
30)	Calibration	19	SEQ-CALH	VWATER3	SEQ-CALH	
31)	Calibration	20	SEQ-CALI	VWATER3	SEQ-CALI	
32)	Spike	21	SEQ-ICV3	VWATER3	SEQ-ICV3	21:13, 12/14

Last Modified: Mon Dec 13 16:44:50 2010 Page: 1

ANALYSIS SEQUENCE

Instrument: MS-VOA3

Calibration ID: UNASSIGNED

0L34801

ap 9 f 8/10

Printed: 12/15/2010 7:36:12AM

Lab Number	Sample Name	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
0L34801-TUN1	MS Tune	QC		1		10K0387		
0L34801-CAL1	main ical	QC		2		10L0429	10J0414	
0L34801-CAL2	main ical	QC		3		10L0430	10J0414	
0L34801-CAL3	main ical	QC		4		10L0431	10J0414	
0L34801-CAL4	main ical	QC		5		10L0432	10J0414	
0L34801-CAL5	main ical	QC		6		10L0433	10J0414	
0L34801-CAL6	main ical	QC		7		10L0434	10J0414	
0L34801-CAL7	main ical	QC		8		10L0435	10J0414	
0L34801-CAL8	main ical	QC		9		10L0436	10J0414	
0L34801-CAL9	main ical	QC		10		10L0437	10J0414	
0L34801-ICV1	main icv1-50ppb	QC		11		10L0447	10J0414	
0L34801-ICV2	misc icv	QC		12		10L0493	10J0414	
0L34801-CALA	ketones ical	QC		13		10L0438	10J0414	
0L34801-CALB	ketones ical	QC		14		10L0439	10J0414	
0L34801-CALC	ketones ical	QC		15		10L0440	10J0414	
0L34801-CALD	ketones ical	QC		16		10L0441	10J0414	
0L34801-CALE	ketones ical	QC		17		10L0442	10J0414	
0L34801-CALF	ketones ical	QC		18		10L0443	10J0414	
0L34801-CALG	ketones ical	QC		19		10L0444	10J0414	
0L34801-CALH	ketones ical	QC		20		10L0445	10J0414	
0L34801-CALI	ketones ical	QC		21		10L0446	10J0414	
0L34801-ICV4	ketones icv	QC		22		10L0448	10J0414	
0L34801-TUN2	tune-8/10	QC		23		10G0224		
0L34801-CALJ	ap9 ical-8/10	QC		24		10H0272	10F0139	
0L34801-CALK	ap9 ical-8/10	QC		25		10H0273	10F0139	

Samples Loaded By Date

Data Processed By Date

ANALYSIS SEQUENCE

Instrument: MS-VOA3

Calibration ID: UNASSIGNED

0L34801

Printed: 12/15/2010 7:36:12AM

Lab Number	Sample Name	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
0L34801-CALL	ap9 ical-8/10	QC		26		10H0274	10F0139	
0L34801-CALM	ap9 ical-8/10	QC		27		10H0275	10F0139	
0L34801-CALN	ap9 ical-8/10	QC		28		10H0276	10F0139	
0L34801-CALO	ap9 ical-8/10	QC		29		10H0277	10F0139	
0L34801-CALP	ap9 ical-8/10	QC		30		10H0278	10F0139	
0L34801-CALQ	ap9 ical-8/10	QC		31		10H0279	10F0139	
0L34801-CALR	ap9 ical-8/10	QC		32		10H0280	10F0139	
0L34801-ICV3	ap9 icv-8/10	QC		33		10H0283	10F0139	

Samples Loaded By Date

Data Processed By Date

66

CTO154OURI_002

Report Date: 14-Dec-2010 08:01

Calibration History

Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Start Cal Date: 10-AUG-2010 08:55
End Cal Date : 14-DEC-2010 01:43
Last Cal Level: 9
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.5000		
10-AUG-2010 19:35	ap9hex	SEQ-CALJ.D
13-DEC-2010 21:46	ketones	SEQ-CALA.D
13-DEC-2010 16:19	gmall-k	SEQ-CAL1.D
Cal Level: 2 , Cal Amount: 1.000		
10-AUG-2010 20:06	ap9hex	SEQ-CALK.D
13-DEC-2010 22:15	ketones	SEQ-CALB.D
13-DEC-2010 16:49	gmall-k	SEQ-CAL2.D
Cal Level: 3 , Cal Amount: 2.000		
10-AUG-2010 20:36	ap9hex	SEQ-CALL.D
13-DEC-2010 22:45	ketones	SEQ-CALC.D
13-DEC-2010 17:18	gmall-k	SEQ-CAL3.D
Cal Level: 4 , Cal Amount: 5.000		
10-AUG-2010 21:06	ap9hex	SEQ-CALM.D
13-DEC-2010 23:15	ketones	SEQ-CALD.D
13-DEC-2010 17:48	gmall-k	SEQ-CAL4.D
Cal Level: 5 , Cal Amount: 10.00		
10-AUG-2010 21:36	ap9hex	SEQ-CALN.D
13-DEC-2010 23:44	ketones	SEQ-CALE.D
13-DEC-2010 18:18	gmall-k	SEQ-CAL5.D
Cal Level: 6 , Cal Amount: 50.00		
10-AUG-2010 22:06	ap9hex	SEQ-CALO.D
14-DEC-2010 00:14	ketones	SEQ-CALF.D
13-DEC-2010 18:47	gmall-k	SEQ-CAL6.D
Cal Level: 7 , Cal Amount: 100.0		

10-AUG-2010 22:37	ap9hex	SEQ-CALP.D
14-DEC-2010 00:44	ketones	SEQ-CALG.D
13-DEC-2010 19:17	gmall-k	SEQ-CAL7.D

Cal Level: 8 , Cal Amount: 150.0		
10-AUG-2010 23:07	ap9hex	SEQ-CALQ.D
14-DEC-2010 01:13	ketones	SEQ-CALH.D
13-DEC-2010 19:47	gmall-k	SEQ-CAL8.D

Cal Level: 9 , Cal Amount: 200.0		
10-AUG-2010 23:37	ap9hex	SEQ-CALR.D
14-DEC-2010 01:43	ketones	SEQ-CALI.D
13-DEC-2010 20:16	gmall-k	SEQ-CAL9.D

Continuing Calibration

14-DEC-2010 00:44	ketones	SEQ-CALG.D
13-DEC-2010 19:17	gmall-k	SEQ-CAL7.D
14-DEC-2010 00:44	ketones	SEQ-CALG.D
13-DEC-2010 19:17	gmall-k	SEQ-CAL7.D
03-DEC-2010 12:46	gm-all	1203CC2.D
03-DEC-2010 12:16	gm-all	1203CC1.D
23-NOV-2010 07:16	gm-all	1123CC1.D

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\1213TU1.D

Date : 13-DEC-2010 15:51

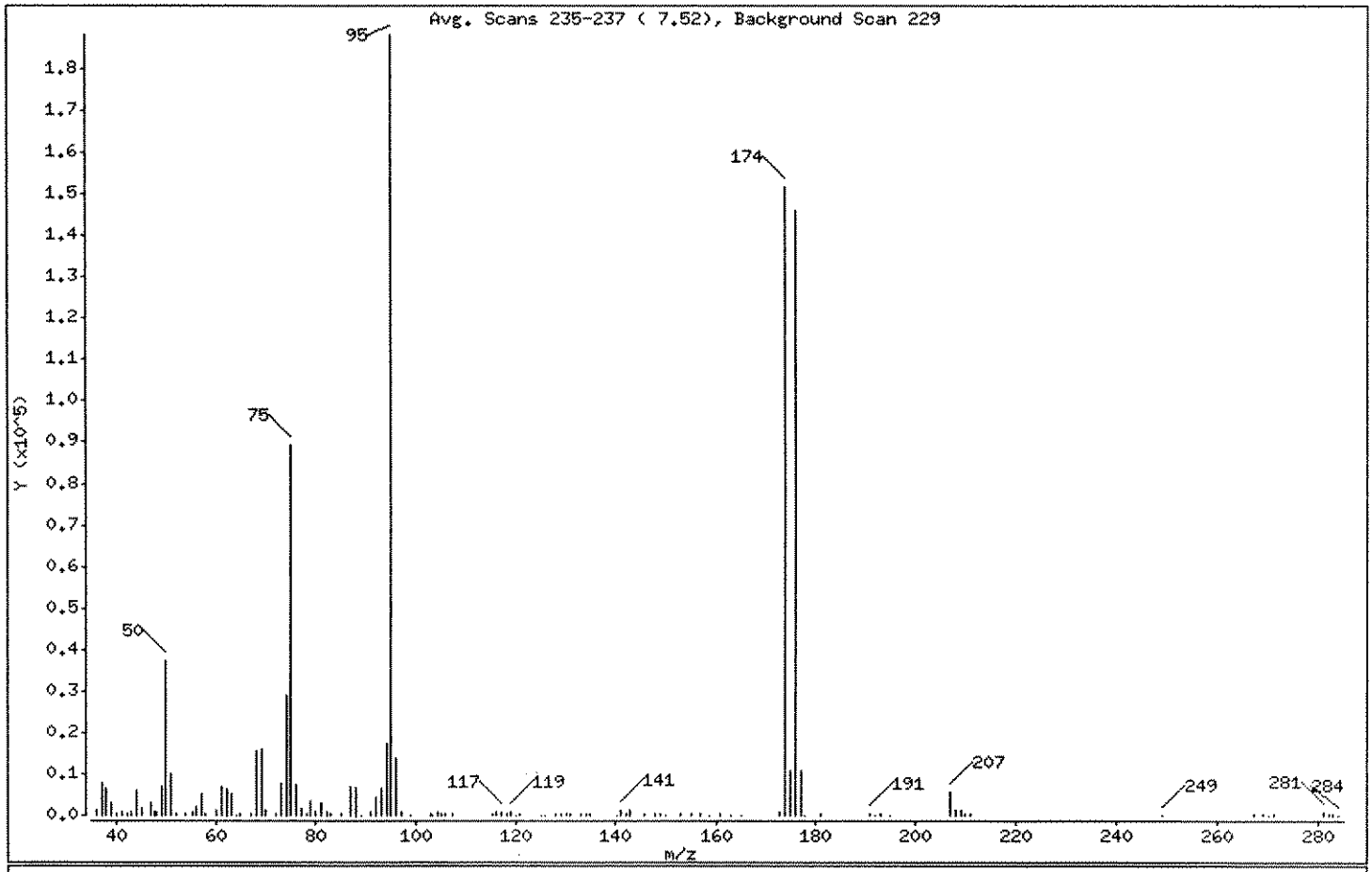
Client ID: SEQ-TUN1 Instrument: voa3.i

Sample Info: SEQ-TUN1

Operator: adm

Column phase: RTX-VRX Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.91
75	30.00 - 60.00% of mass 95	47.35
96	5.00 - 9.00% of mass 95	7.48
173	Less than 2.00% of mass 174	0.56 (0.70)
174	Greater than 50.00% of mass 95	80.72
175	5.00 - 9.00% of mass 174	5.75 (7.13)
176	95.00 - 101.00% of mass 174	77.76 (96.34)
177	5.00 - 9.00% of mass 176	5.69 (7.31)

12-29-10

M 12/29/10

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\1213TU1.D

Date : 13-DEC-2010 15:51

Client ID: SEQ-TUN1 Instrument: voa3.i

Sample Info: SEQ-TUN1

Operator: adm

Column phase: RTX-VRX Column diameter: 0.25

Data File: 1213TU1.D
Spectrum: Avg. Scans 235-237 (7.52), Background Scan 229
Location of Maximum: 95.00
Number of points: 120

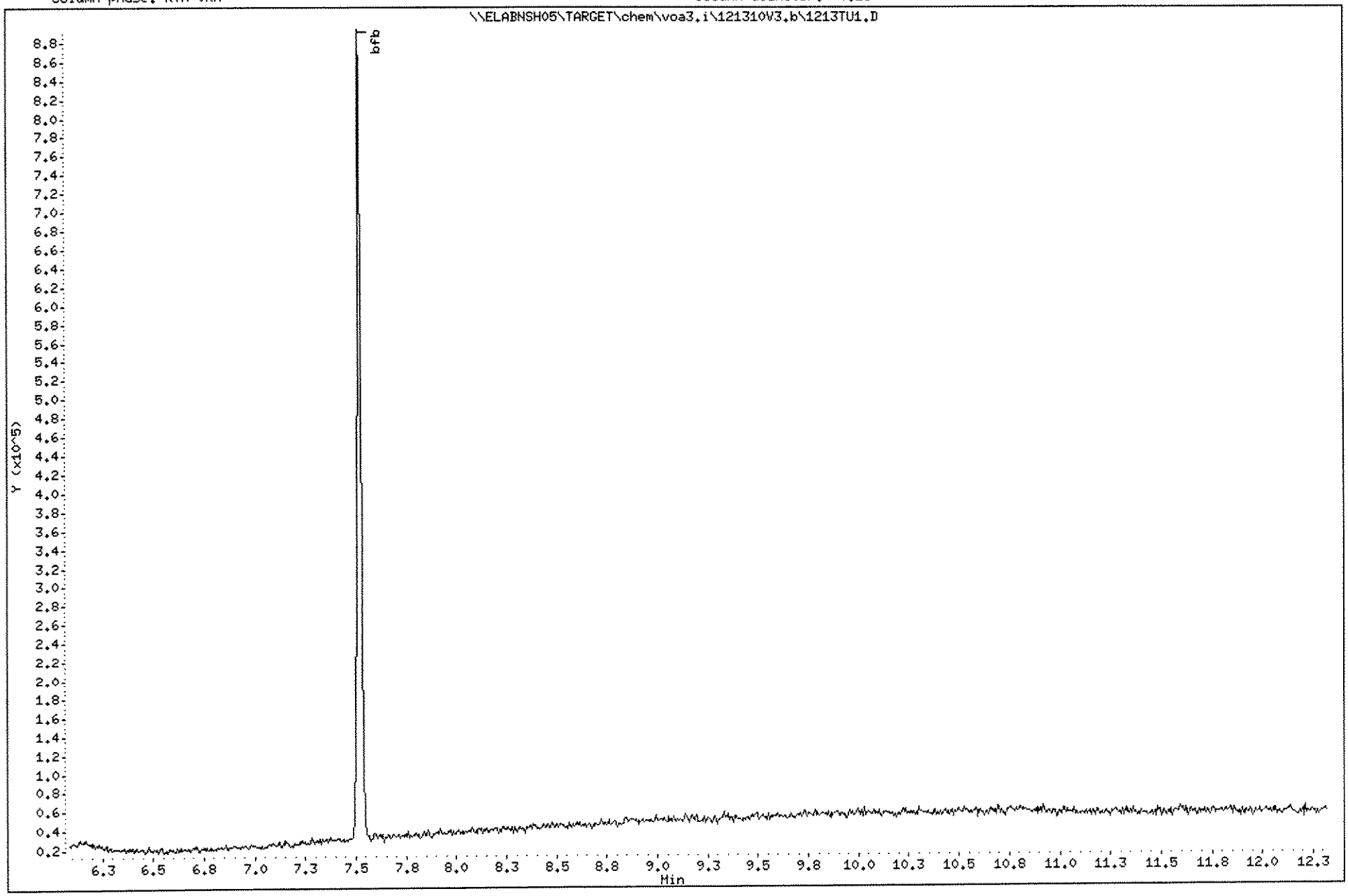
m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1494	69.00	16106	107.00	232	165.10	155
37.00	7721	69.90	1249	115.10	419	173.00	1057
38.00	6677	72.10	519	115.90	711	174.00	151936
39.10	2920	73.00	7757	116.90	1064	175.00	10826
40.00	548	74.00	29072	118.00	513	176.00	146368
41.00	661	75.00	89128	118.90	1000	177.00	10706
42.20	350	76.10	7526	120.00	153	177.90	173
43.00	879	77.00	1537	120.70	234	181.10	324
44.00	6105	78.10	623	125.10	155	190.80	510
45.10	1670	78.90	3557	125.70	200	191.10	484
47.00	2831	80.00	1052	127.90	639	192.00	192
47.60	729	81.00	3134	128.90	416	193.00	488
47.80	784	82.00	775	129.90	481	195.00	173
48.10	762	83.00	254	130.90	491	207.00	5568
49.00	6926	85.10	308	133.10	591	208.10	1241
50.00	37480	87.00	6863	134.00	367	209.10	1176
51.10	9936	88.00	7126	134.90	454	209.90	222
52.20	423	89.10	183	140.10	215	210.90	293
54.00	255	91.00	787	141.00	1227	249.10	158
55.20	863	92.10	4479	142.00	315	267.00	229
56.10	2284	93.00	6387	142.90	1126	268.90	218
57.00	5375	94.00	17224	145.80	367	269.90	159
57.90	279	95.00	188224	147.90	462	271.10	386
60.00	1510	96.10	14084	149.00	442	281.00	761
61.10	6834	97.00	715	150.00	175	281.90	250
62.10	6433	99.00	184	152.70	253	282.90	279
63.00	5017	102.80	218	155.10	543	283.90	155
63.90	209	103.30	184	156.80	644		
64.80	243	104.10	680	158.80	162		
67.00	403	104.90	422	161.00	332		
68.00	15659	105.90	430	163.00	168		

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\1213TU1.D
Date : 13-DEC-2010 15:51
Client ID: SEQ-TUN1
Sample Info: SEQ-TUN1

Instrument: voa3.i

Operator: adm

Column phase: RTX-VRX
Column diameter: 0.25



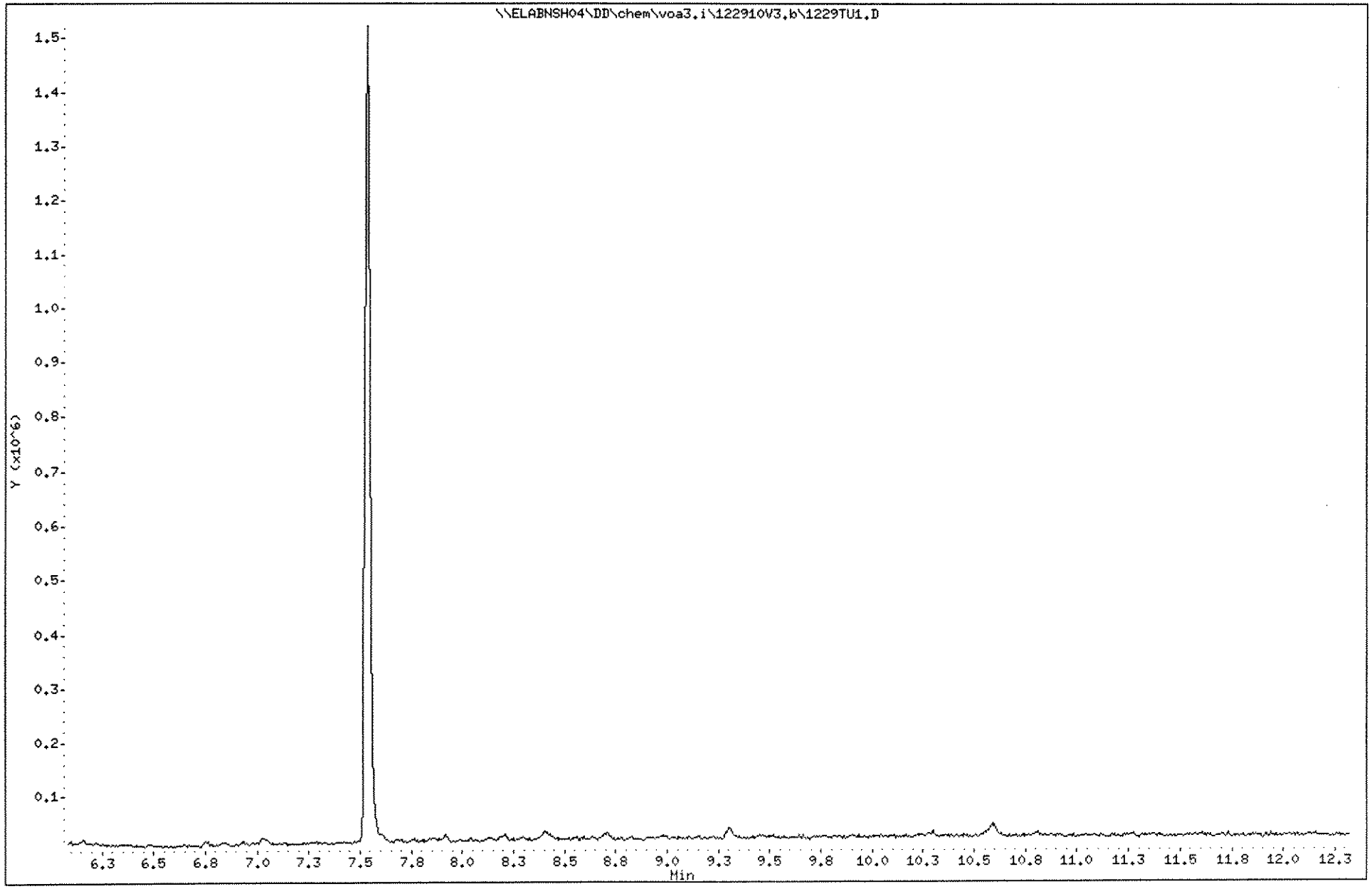
Data File: \\ELABNSH04\DD\chem\voa3.i\122910V3.b\1229TU1.D
Date : 29-DEC-2010 09:11
Client ID: 25ppb BFB
Sample Info: SEQ-TUN1

Instrument: voa3.i

Operator: ADM

Column phase: RTX-VRX

Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Report Date: 14-Dec-2010 08:02

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Lab Smp Id: SEQ-CAL1 Client Smp ID: SEQ-CAL1
Inj Date : 13-DEC-2010 16:19 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-CAL1
Misc Info : ;1;;;1;gmall-k.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:02 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-k.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

M 1/4/10

12-15-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.474	12.474	(1.000)	1281755	30.0000	
1 Dichlorodifluoromethane	85	3.525	3.525	(0.283)	3613	0.50000	0.7049(a)
2 Chloromethane	50	3.738	3.738	(0.300)	3377	0.50000	0.3542(aH)
4 Vinyl chloride	62	3.945	3.945	(0.316)	3170	0.50000	0.3885(aH)
7 Bromomethane	94	4.395	4.395	(0.352)	2173	0.50000	1.627(a)
8 Chloroethane	64	4.565	4.565	(0.366)	3448	0.50000	0.6833(a)
11 Trichlorofluoromethane	101	5.265	5.265	(0.422)	7388	0.50000	0.4721(a)
15 t-Butyl alcohol	59	6.031	6.031	(0.484)	2296	2.50000	2.419
16 tert-Amyl alcohol	59	10.989	10.989	(0.881)	1561	2.50000	2.489
26 Trichlorotrifluoroethane	101	6.336	6.336	(0.508)	3766	0.50000	0.4666(a)
10 Acrolein	56	5.228	5.228	(0.419)	3963	2.50000	2.416(a)
22 1,1-Dichloroethene	96	6.037	6.037	(0.484)	4618	0.50000	0.5846(a)
23 Iodomethane	142	6.068	6.068	(0.486)	4221	0.50000	1.171(a)
29 Carbon disulfide	76	6.603	6.603	(0.529)	12224	0.50000	0.4600(a)
25 Methylene chloride	84	6.226	6.226	(0.499)	5655	0.50000	0.5497(a)
24 Acrylonitrile	53	6.074	6.074	(0.487)	8306	2.50000	2.382(aM)

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Report Date: 14-Dec-2010 08:02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	32 trans-1,2-Dichloroethene	96	7.400	7.400	(0.593)	5342	0.50000	0.5833(a)
	33 MTBE	73	7.674	7.674	(0.615)	12488	0.50000	0.4764(a)
	34 1,1-Dichloroethane	63	7.929	7.929	(0.636)	8367	0.50000	0.4932(a)
	45 Di-isopropyl ether	45	9.049	9.049	(0.725)	15788	0.50000	0.4335(a)
	46 cis-1,2-Dichloroethene	96	9.256	9.256	(0.742)	4527	0.50000	0.4563(a)
M	30 1,2-Dichloroethene(total)	96				9869	1.00000	1.040
	48 Bromochloromethane	128	9.657	9.657	(0.774)	2671	0.50000	0.5493(a)
	53 Tetrahydrofuran	42	10.673	10.673	(0.856)	7083	0.50000	2.692
	49 Chloroform	83	9.815	9.815	(0.787)	8640	0.50000	0.4820(a)
$	51 Dibromofluoromethane	111	10.120	10.120	(0.811)	346755	30.0000	31.16(M)
	56 1,1,1-Trichloroethane	97	11.482	11.482	(0.921)	7877	0.50000	0.4976(a)
	58 ETBE	59	10.113	10.113	(0.811)	15605	0.50000	0.4780(aM)
	59 Cyclohexane	56	11.957	11.957	(0.959)	7167	0.50000	0.4737(a)
	60 Carbon tetrachloride	117	12.072	12.072	(0.968)	5248	0.50000	0.4130(aM)
$	54 1,2-Dichloroethane-d4	102	11.129	11.129	(0.892)	70498	30.0000	29.88
	61 Benzene	78	12.115	12.115	(0.971)	16562	0.50000	0.4459(a)
	55 1,2-Dichloroethane	62	11.288	11.288	(0.905)	8152	0.50000	0.5273(a)
	50 2,2-Dichloropropane	77	10.047	10.047	(0.805)	8164	0.50000	0.5460(aM)
	57 1,1-Dichloropropene	75	11.823	11.823	(0.948)	6536	0.50000	0.4941(a)
	63 tert-Amyl Methyl Ether	73	12.468	12.468	(1.000)	28755	0.50000	0.9442(a)
	73 tert-Amyl Ethyl Ether	59	13.636	13.636	(1.093)	13586	0.50000	0.4647(a)
	67 Trichloroethene	95	13.082	13.082	(1.049)	6800	0.50000	0.6184(a)
	66 1,2-Dichloropropane	63	13.009	13.009	(1.043)	4596	0.50000	0.4530(a)
	65 Dibromomethane	93	12.942	12.942	(1.038)	2917	0.50000	0.4339(a)
	70 Methyl methacrylate	41	13.405	13.405	(1.075)	1167	0.50000	0.1252(a)
	68 Bromodichloromethane	83	13.119	13.119	(1.052)	6500	0.50000	0.4940(a)
	71 2-Chloroethyl vinyl ether	63	13.721	13.721	(1.100)	6645	1.00000	0.9693(a)
	76 cis-1,3-Dichloropropene	75	13.958	13.958	(1.119)	7989	0.50000	0.4812(a)
$	81 Toluene-d8	98	14.719	14.719	(0.915)	1442251	30.0000	29.86
	83 Toluene	92	14.798	14.798	(0.920)	14703	0.50000	0.5269(a)
	78 trans-1,3-Dichloropropene	75	14.451	14.451	(0.899)	6606	0.50000	0.4381(a)
	85 Ethyl methacrylate	69	14.926	14.926	(0.928)	6214	0.50000	0.4690(a)
	80 1,1,2-Trichloroethane	83	14.597	14.597	(0.908)	4706	0.50000	0.5725(a)
	89 Tetrachloroethene	166	15.522	15.522	(0.965)	5692	0.50000	0.4977(a)
	87 Dibromochloromethane	129	15.102	15.102	(0.939)	4261	0.50000	0.4267(a)
	88 1,2-Dibromoethane	107	15.327	15.327	(0.953)	6082	0.50000	0.5472(a)
	74 Methyl cyclohexane	83	13.751	13.751	(1.102)	6366	0.50000	0.5062(a)
*	92 Chlorobenzene-d5	82	16.081	16.081	(1.000)	707422	30.0000	
	93 Chlorobenzene	112	16.112	16.112	(1.002)	17142	0.50000	0.5400(a)
	90 1,1,1,2-Tetrachloroethane	131	16.051	16.051	(0.998)	5249	0.50000	0.5326(a)
	91 1-Chlorohexane	91	16.075	16.075	(1.000)	15976	0.50000	0.6016(a)
	94 Ethylbenzene	91	16.276	16.276	(1.012)	27001	0.50000	0.5141(a)
	95 m,p-Xylene	91	16.434	16.434	(1.022)	48466	1.00000	1.127
M	107 Xylene(total)	91				73514	1.50000	1.691
	99 o-Xylene	91	16.751	16.751	(1.042)	25048	0.50000	0.5632(a)
	97 Styrene	104	16.690	16.690	(1.038)	18281	0.50000	0.5104(a)
	96 Bromoform	173	16.513	16.513	(1.027)	2769	0.50000	2.104

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Report Date: 14-Dec-2010 08:02

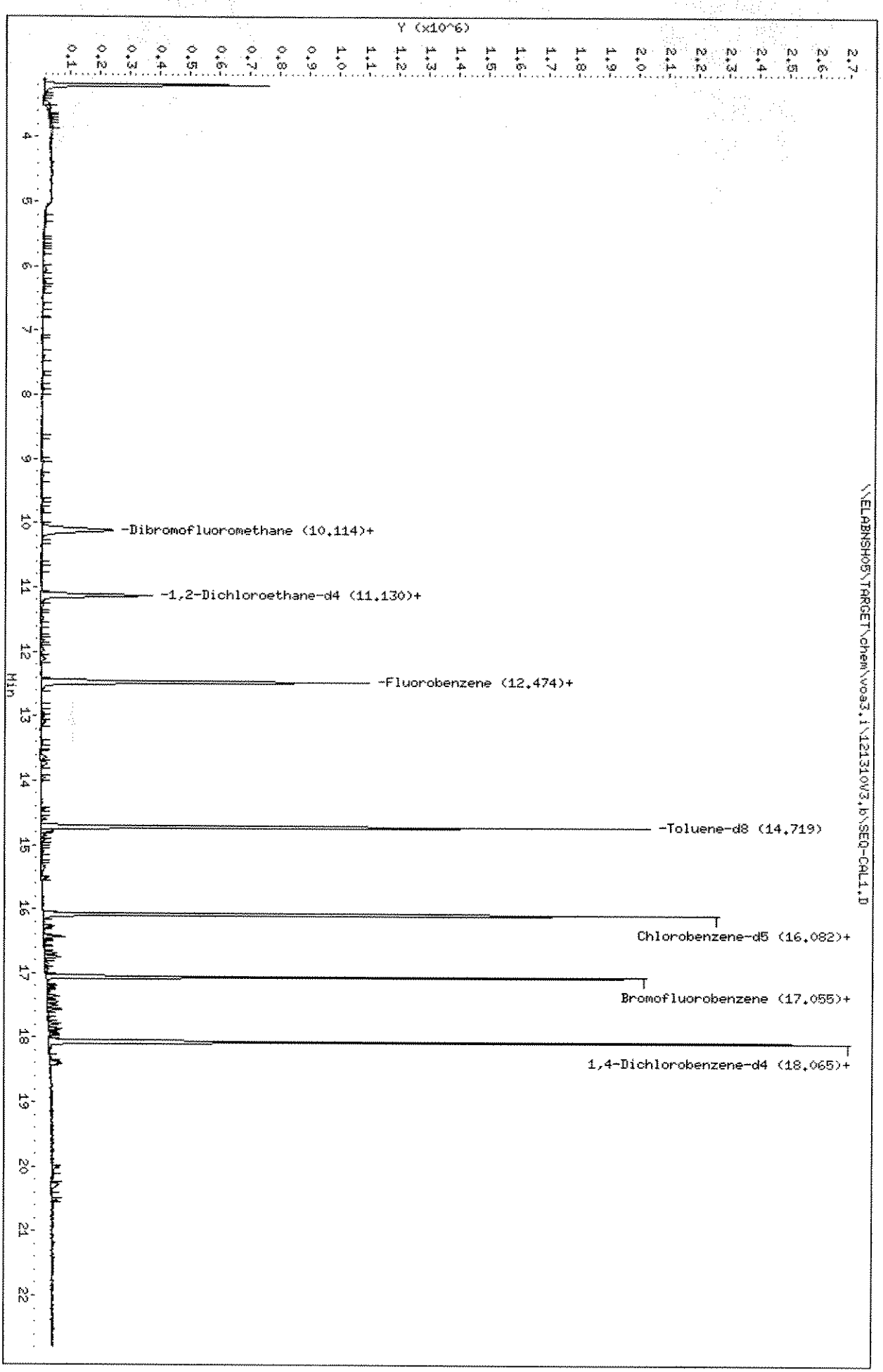
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
103 Isopropylbenzene	105	17.024	17.024	(1.059)	22620	0.50000	0.5180(a)
$ 104 Bromofluorobenzene	95	17.055	17.055	(1.061)	690512	30.0000	29.89
98 1,1,2,2-Tetrachloroethane	83	16.757	16.757	(0.928)	7291	0.50000	0.5302(a)
84 1,3-Dichloropropane	76	14.853	14.853	(0.924)	5147	0.50000	0.3237(a)
100 1,2,3-Trichloropropane	110	16.854	16.854	(1.048)	1807	0.50000	0.4565(a)
108 n-Propylbenzene	91	17.365	17.365	(0.961)	30924	0.50000	0.5181(a)
113 1,3,5-Trimethylbenzene	105	17.566	17.566	(0.972)	24529	0.50000	0.5506(a)
111 1,2,4-Trimethylbenzene	105	17.870	17.870	(0.989)	24655	0.50000	0.5337(a)
114 sec-Butylbenzene	105	17.961	17.961	(0.994)	25371	0.50000	0.5140(a)
112 tert-Butylbenzene	119	18.089	18.089	(1.001)	21775	0.50000	0.5645(a)
115 1,3-Dichlorobenzene	146	18.040	18.040	(0.999)	12898	0.50000	0.5089(a)
* 117 1,4-Dichlorobenzene-d4	152	18.065	18.065	(1.000)	762511	30.0000	
118 1,4-Dichlorobenzene	146	18.083	18.083	(1.001)	15982	0.50000	0.5985(a)
121 n-Butylbenzene	91	18.405	18.405	(1.019)	22254	0.50000	0.5754(a)
120 1,2-Dichlorobenzene	146	18.381	18.381	(1.018)	13285	0.50000	0.5237(a)
122 1,2-Dibromo-3-chloropropane	157	18.764	18.764	(1.039)	947	0.50000	1.842(a)
105 Bromobenzene	156	17.225	17.225	(0.954)	7199	0.50000	0.4566(a)
109 2-Chlorotoluene	91	17.444	17.444	(0.966)	22445	0.50000	0.5382(a)
110 4-Chlorotoluene	91	17.505	17.505	(0.969)	22012	0.50000	0.5266(a)
123 1,2,4-Trichlorobenzene	180	20.018	20.018	(1.108)	9005	0.50000	0.5367(aM)
124 Naphthalene	128	20.279	20.279	(1.123)	18518	0.50000	0.4800(a)
119 p-Isopropyltoluene	119	17.791	17.791	(0.985)	18418	0.50000	0.5304(a)
125 Hexachlorobutadiene	225	20.316	20.316	(1.125)	3753	0.50000	0.5059(aM)
126 1,2,3-Trichlorobenzene	180	20.516	20.516	(1.136)	7728	0.50000	0.5230(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

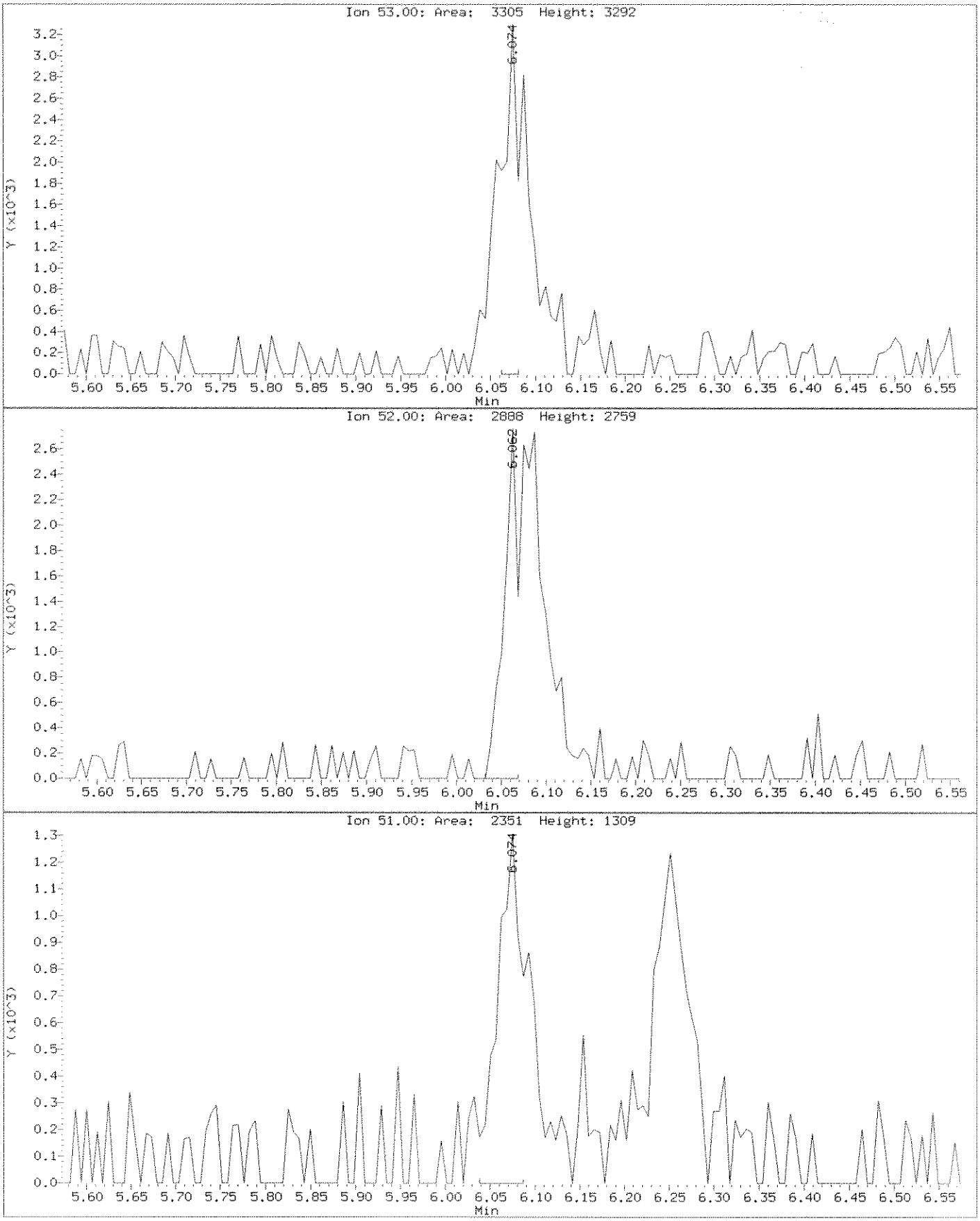
Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Date : 13-DEC-2010 16:19
Client ID: SEQ-CAL1
Sample Info: SEQ-CAL1
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa3.i
Operator: adm
Column diameter: 0.25



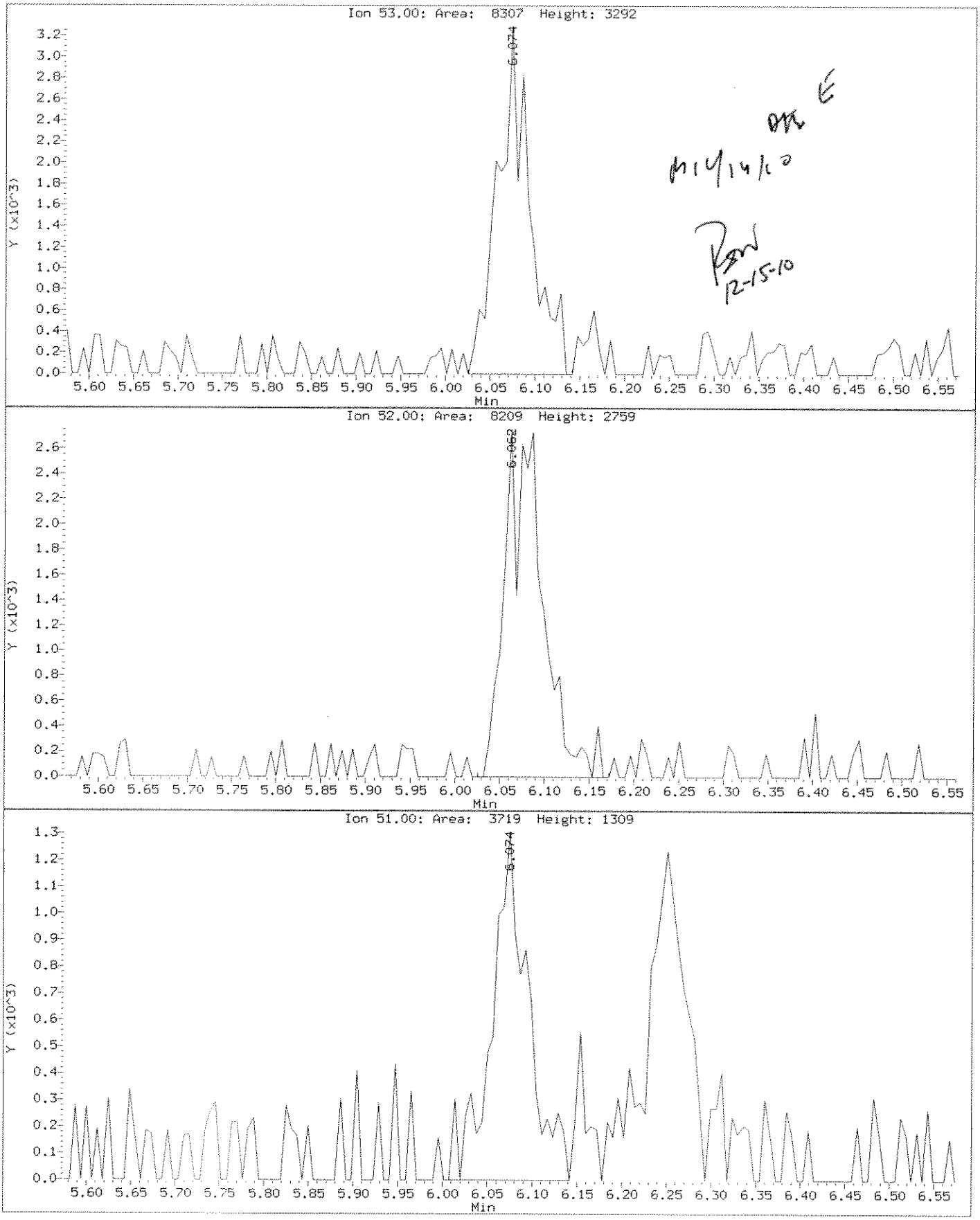
Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Injection Date: 13-DEC-2010 16:19
Instrument: voa3.i
Client Sample ID: SEQ-CAL1

Compound: Acrylonitrile
CAS Number: 107-13-1



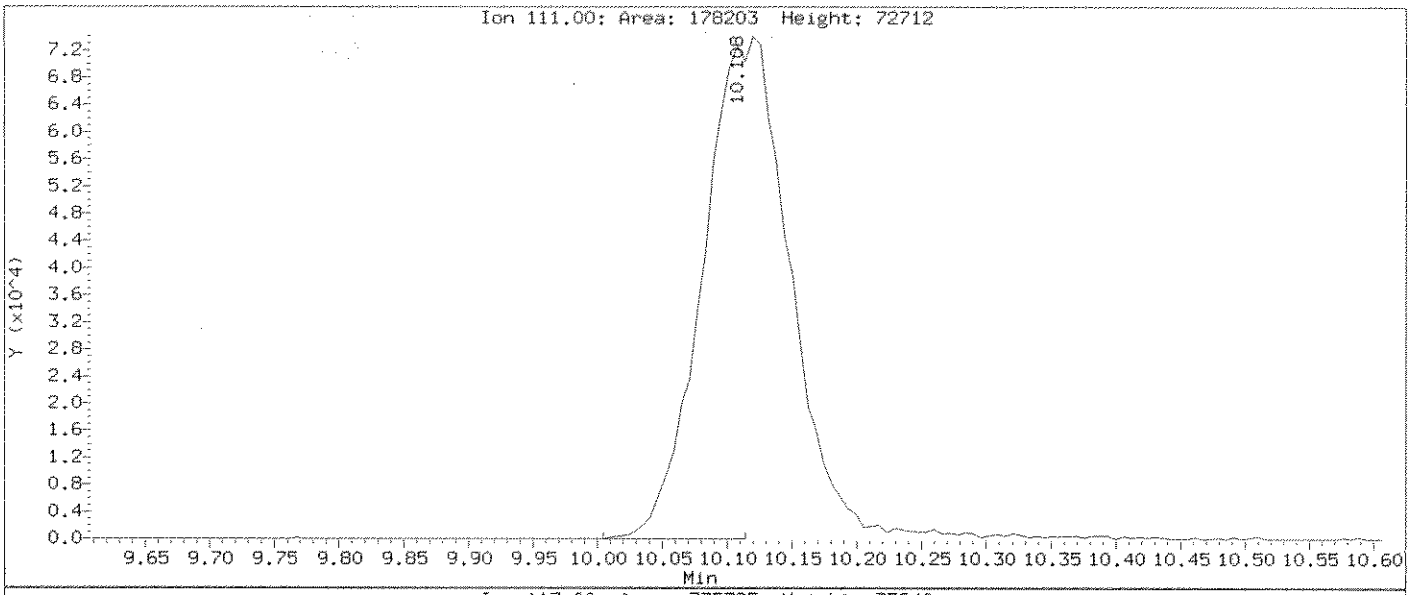
Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Injection Date: 13-DEC-2010 16:19
Instrument: voa3.i
Client Sample ID: SEQ-CAL1

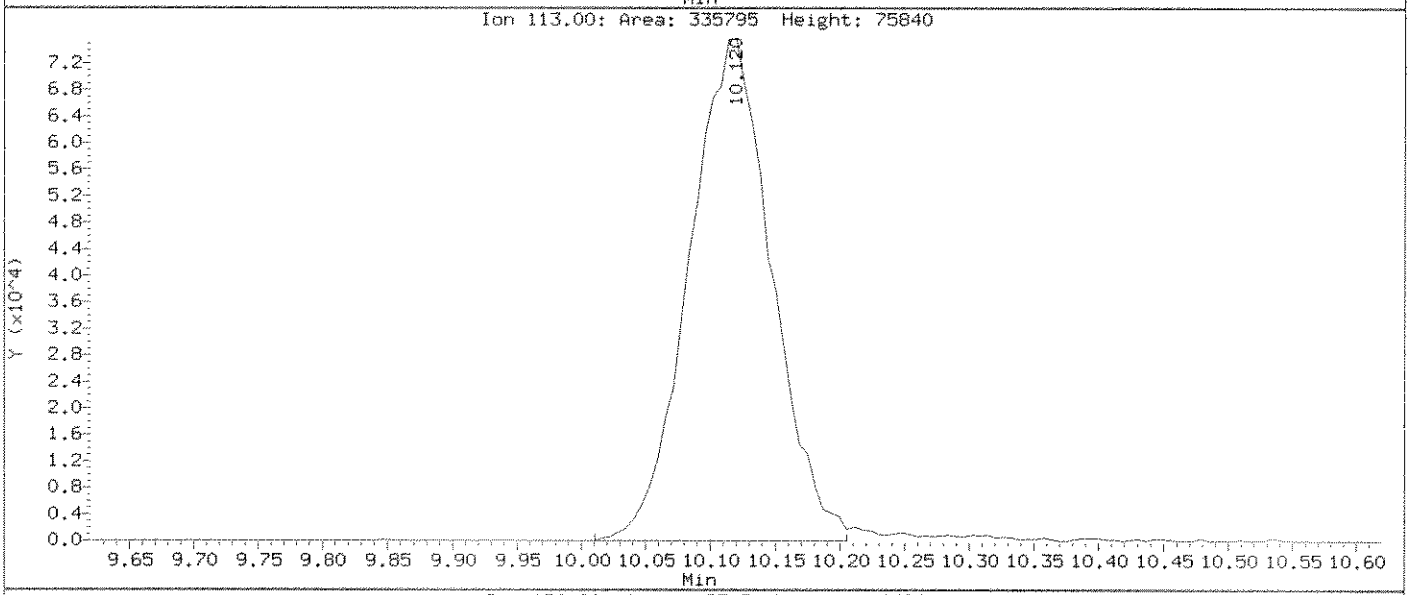
Compound: Acrylonitrile
CAS Number: 107-13-1

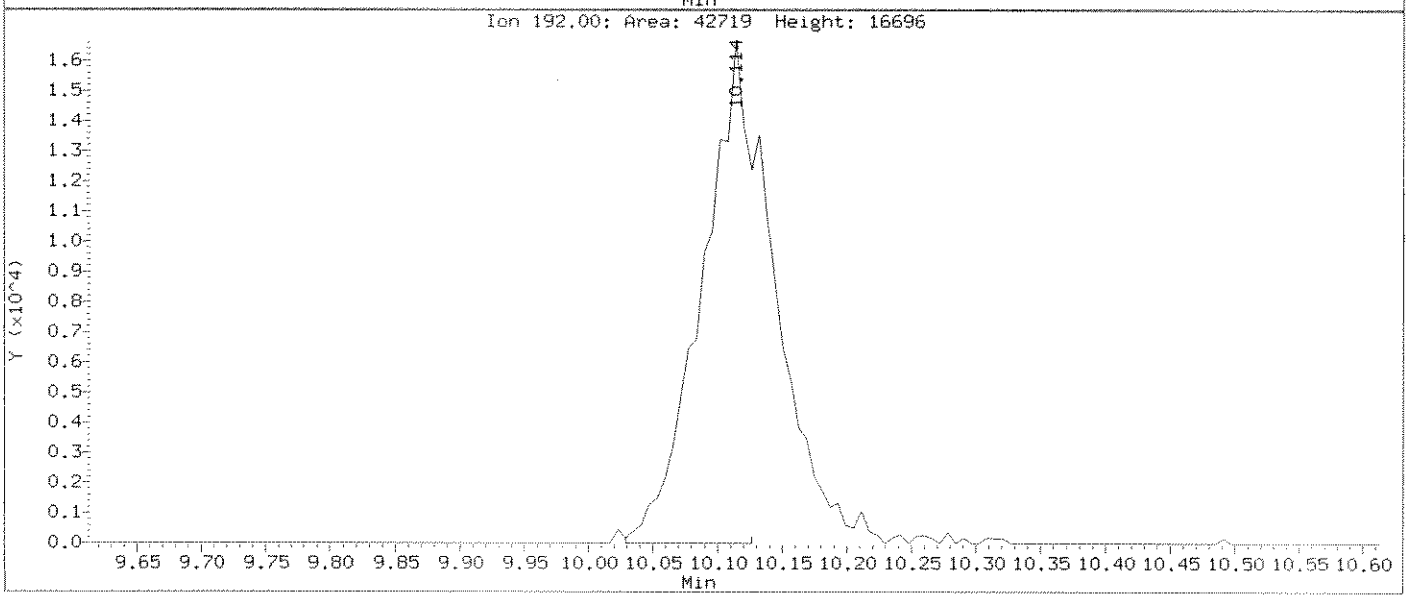


Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Injection Date: 13-DEC-2010 16:19
Instrument: voa3.i
Client Sample ID: SEQ-CAL1

Compound: Dibromofluoromethane
CAS Number: 1868-53-7

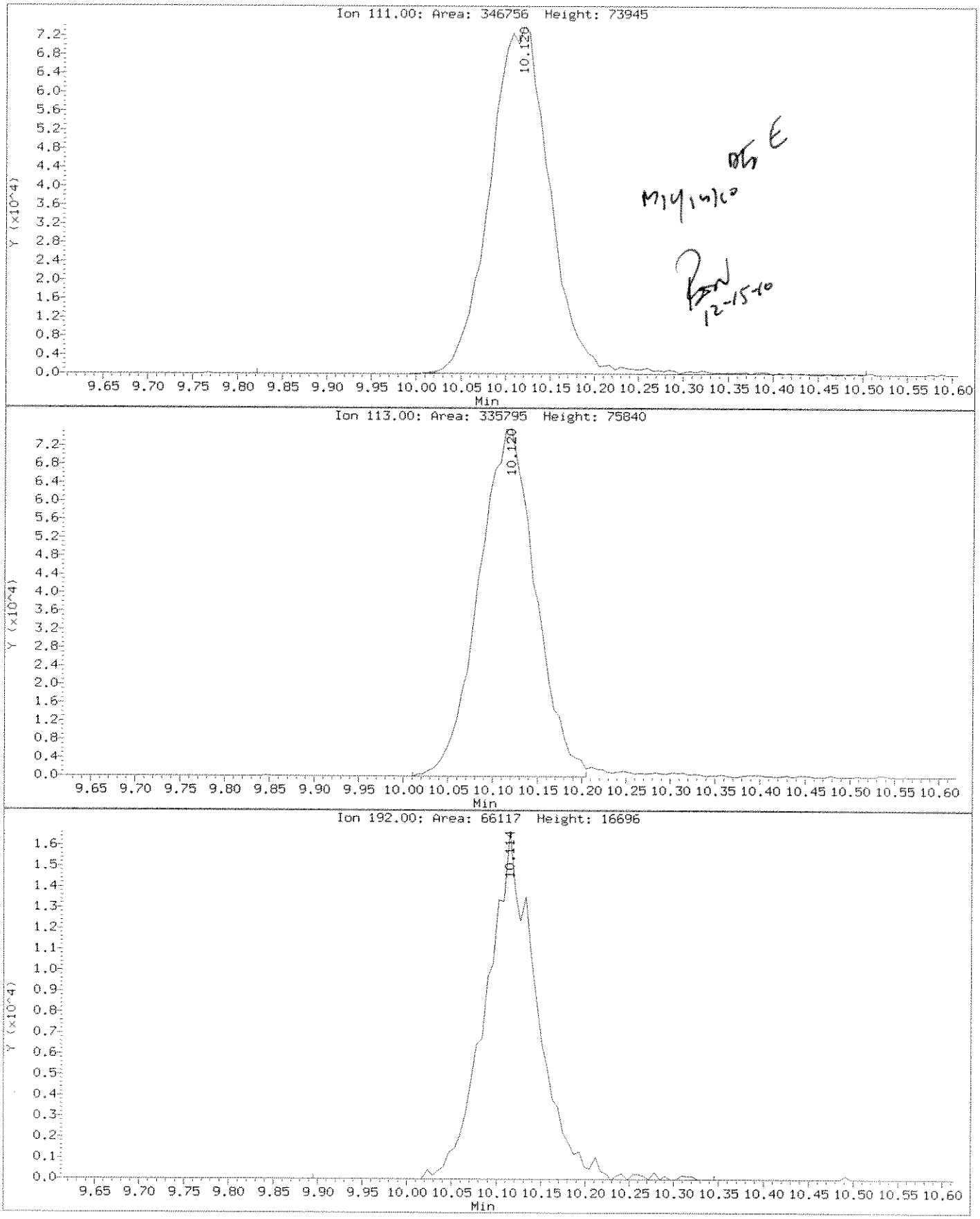






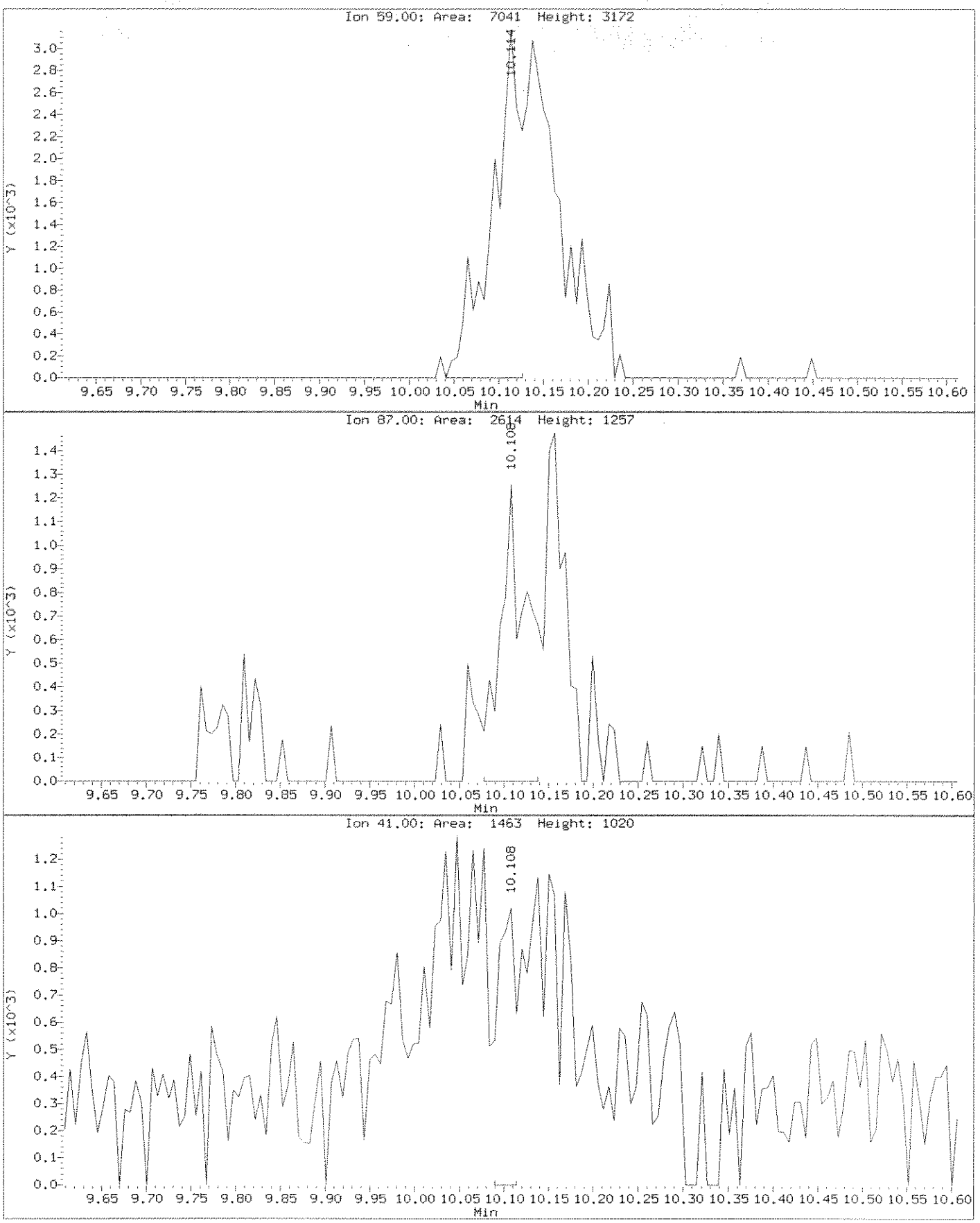
Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Injection Date: 13-DEC-2010 16:19
Instrument: voa3.i
Client Sample ID: SEQ-CAL1

Compound: Dibromofluoromethane
CAS Number: 1868-53-7



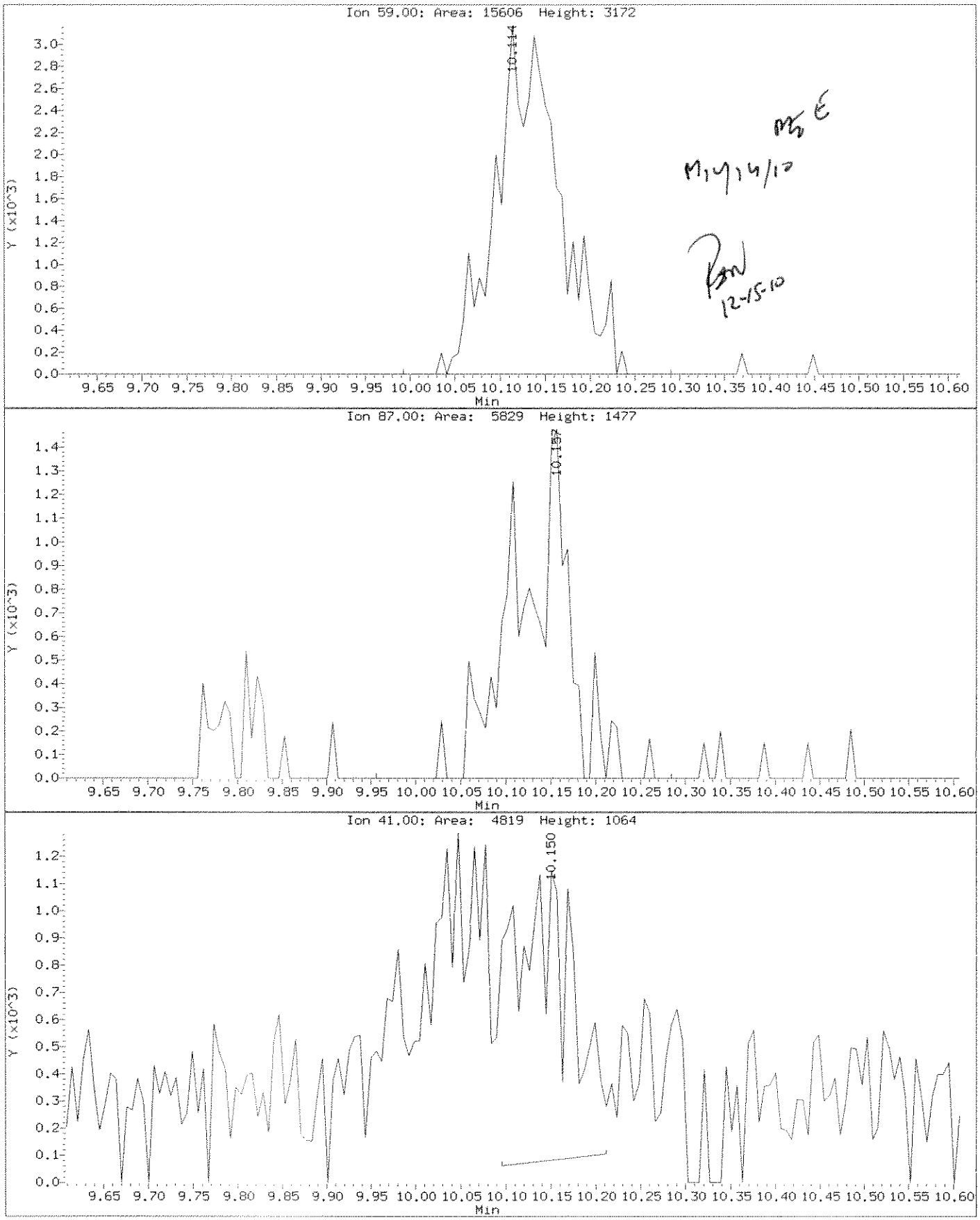
Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Injection Date: 13-DEC-2010 16:19
Instrument: voa3.i
Client Sample ID: SEQ-CAL1

Compound: ETBE
CAS Number: 637-92-3



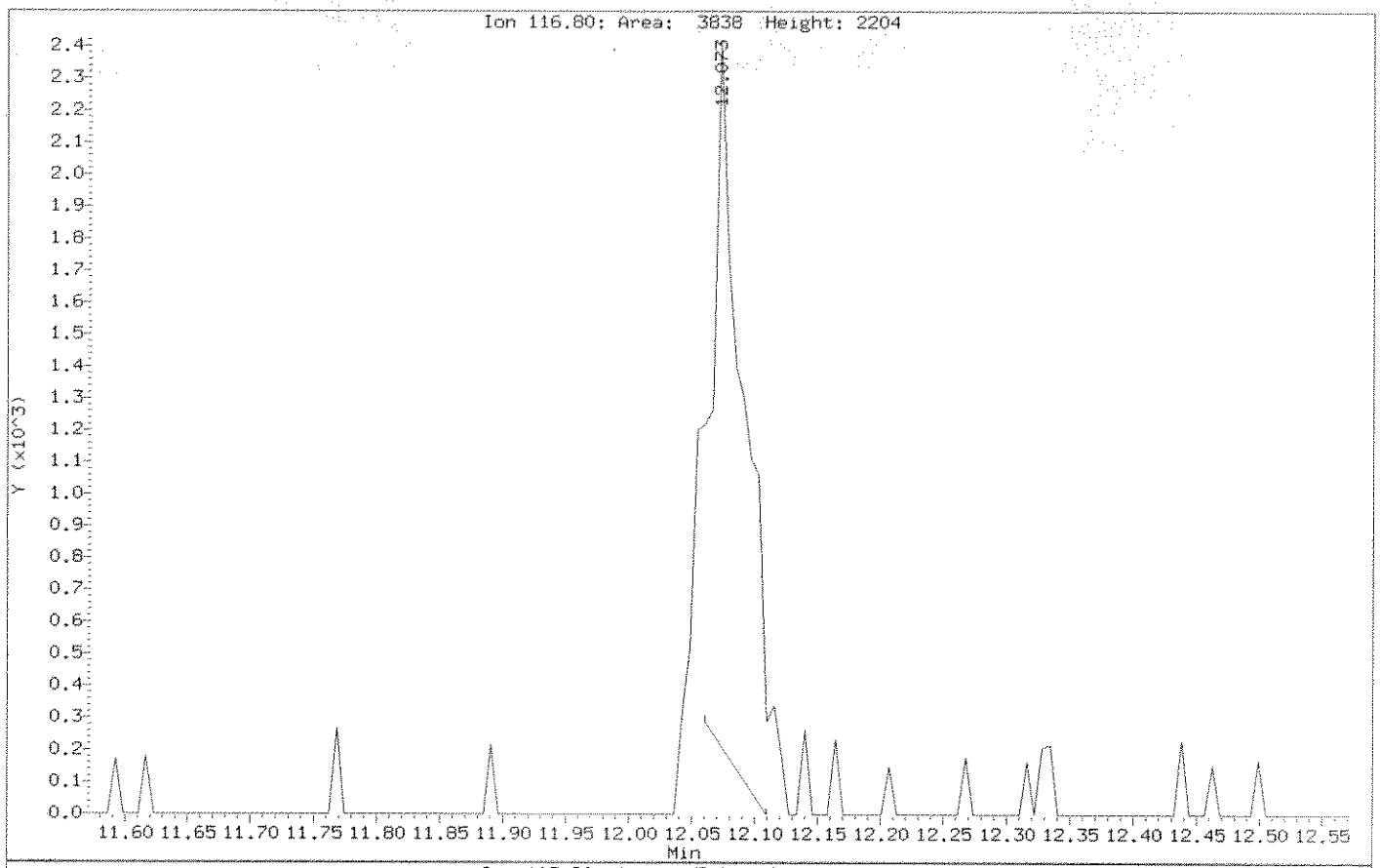
Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Injection Date: 13-DEC-2010 16:19
Instrument: voa3.i
Client Sample ID: SEQ-CAL1

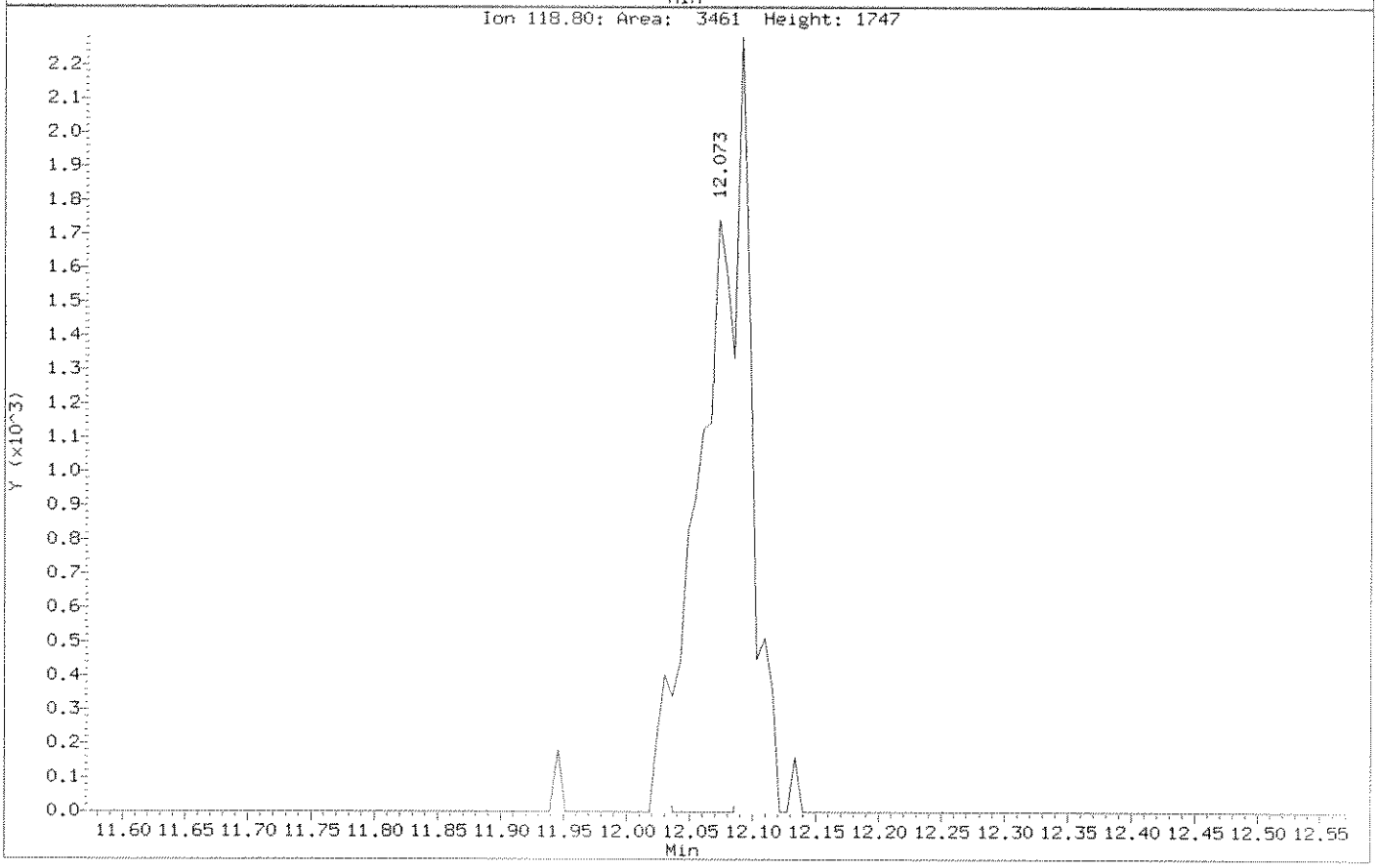
Compound: ETBE
CAS Number: 637-92-3



Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Injection Date: 13-DEC-2010 16:19
Instrument: voa3.i
Client Sample ID: SEQ-CAL1

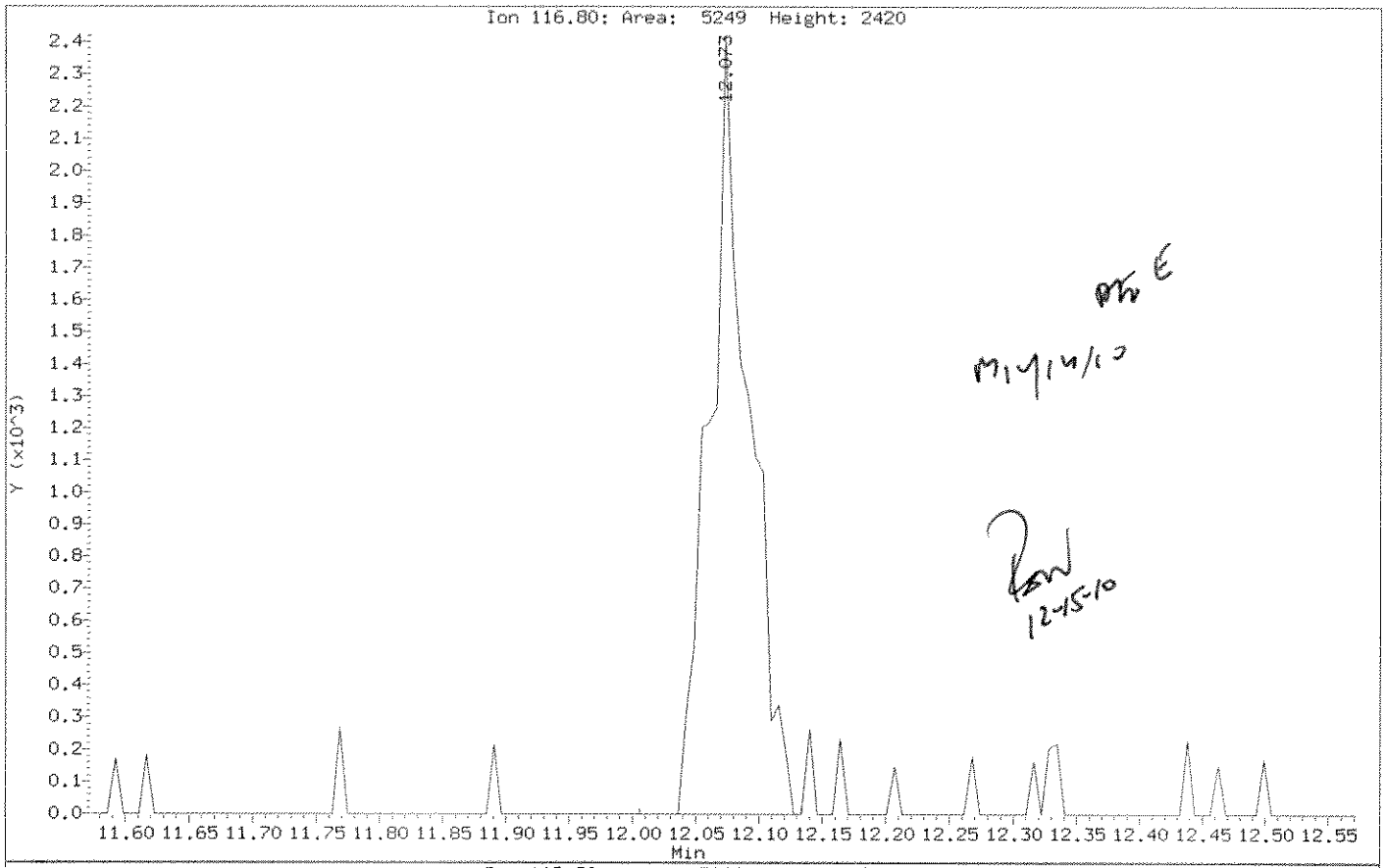
Compound: Carbon tetrachloride
CAS Number: 56-23-5

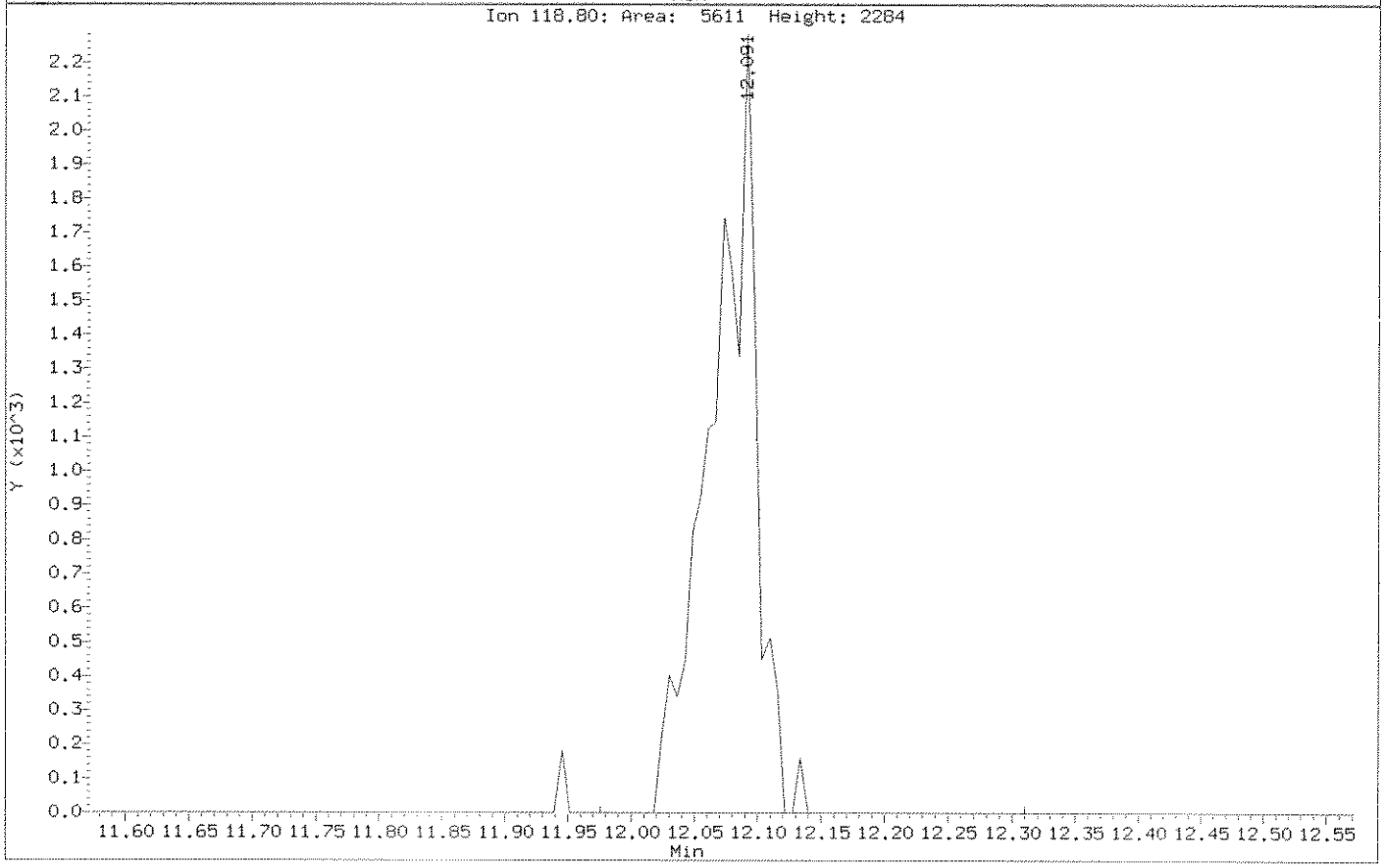




Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Injection Date: 13-DEC-2010 16:19
Instrument: voa3.i
Client Sample ID: SEQ-CAL1

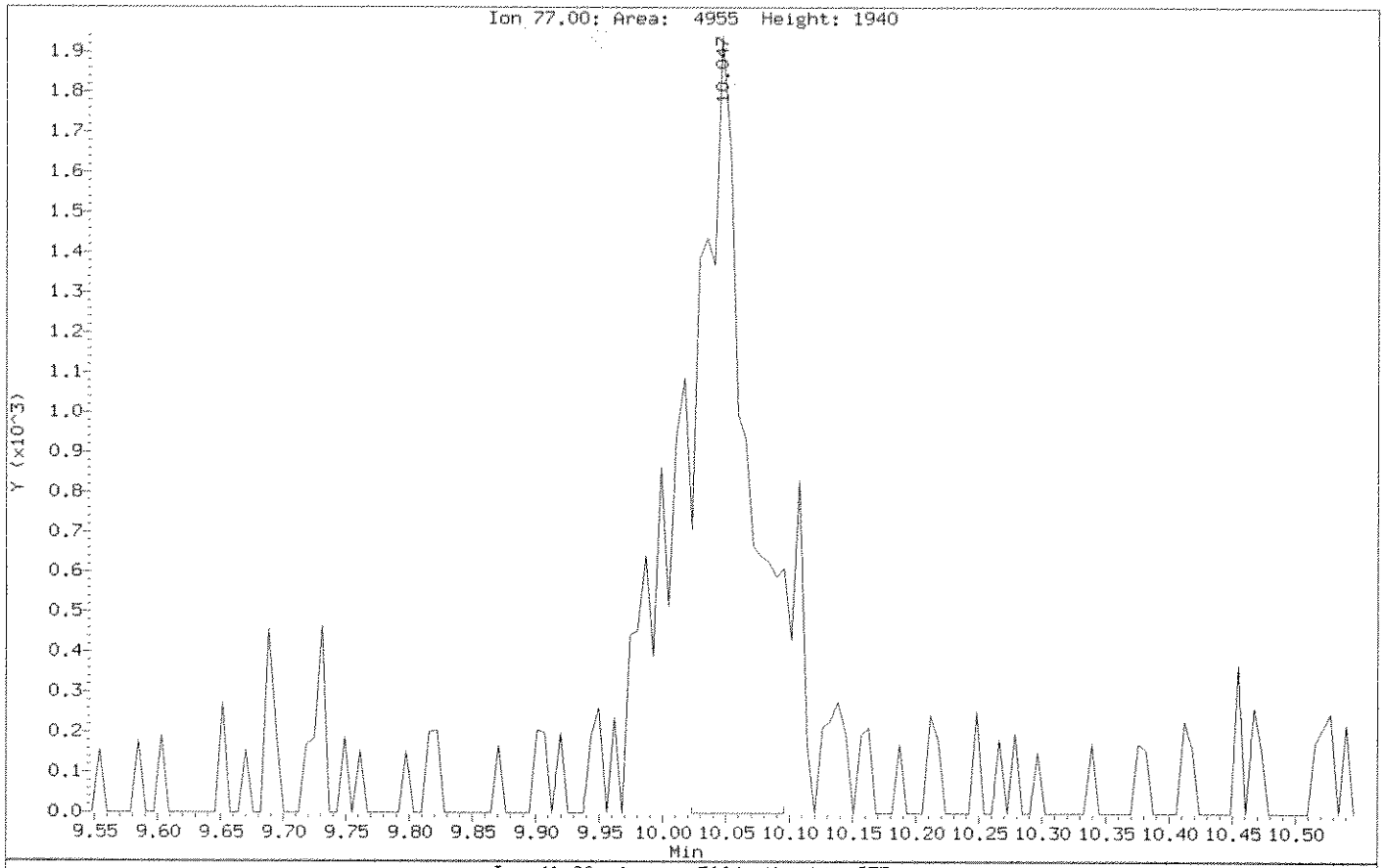
Compound: Carbon tetrachloride
CAS Number: 56-23-5

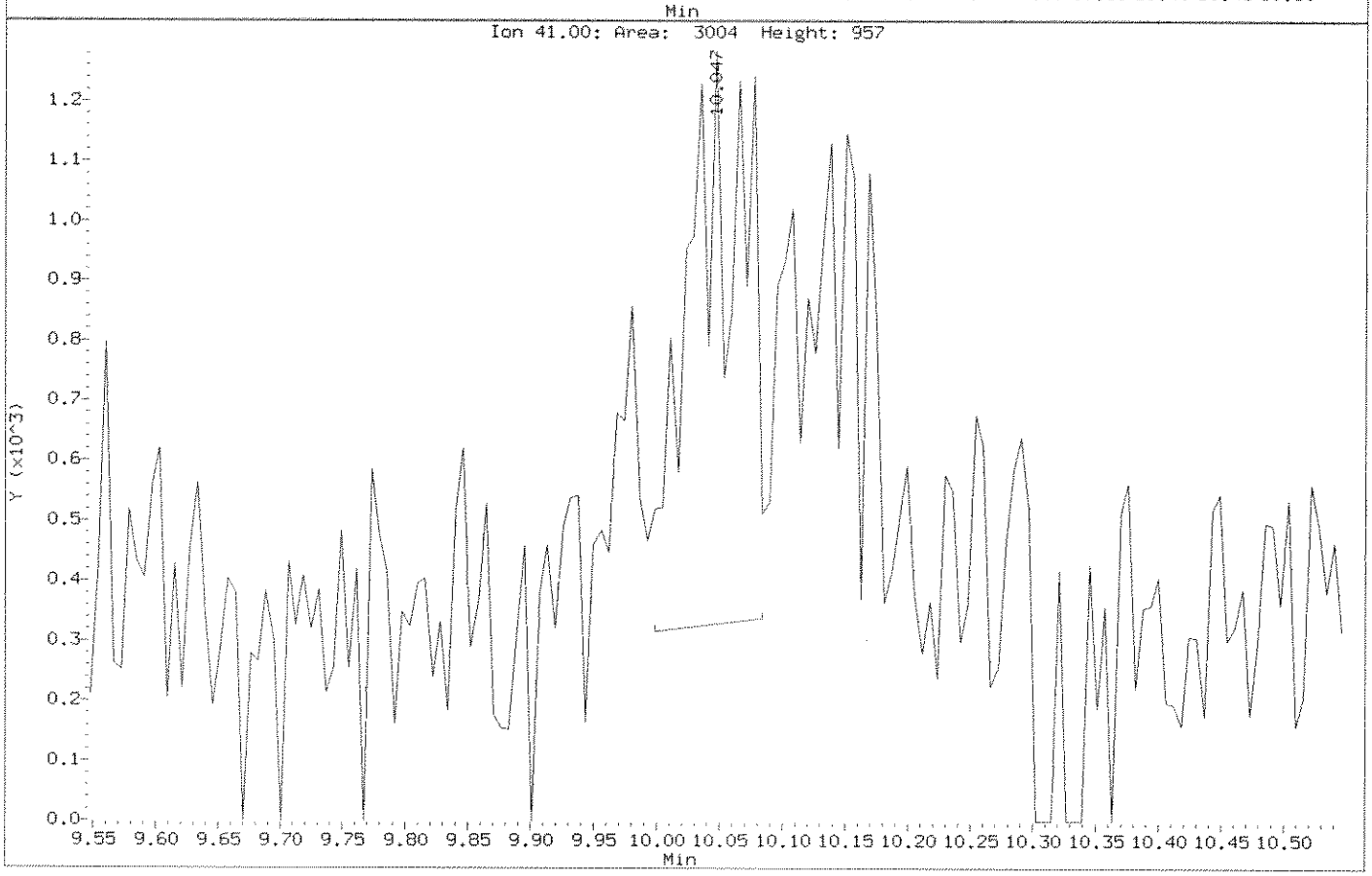




Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Injection Date: 13-DEC-2010 16:19
Instrument: voa3.i
Client Sample ID: SEQ-CAL1

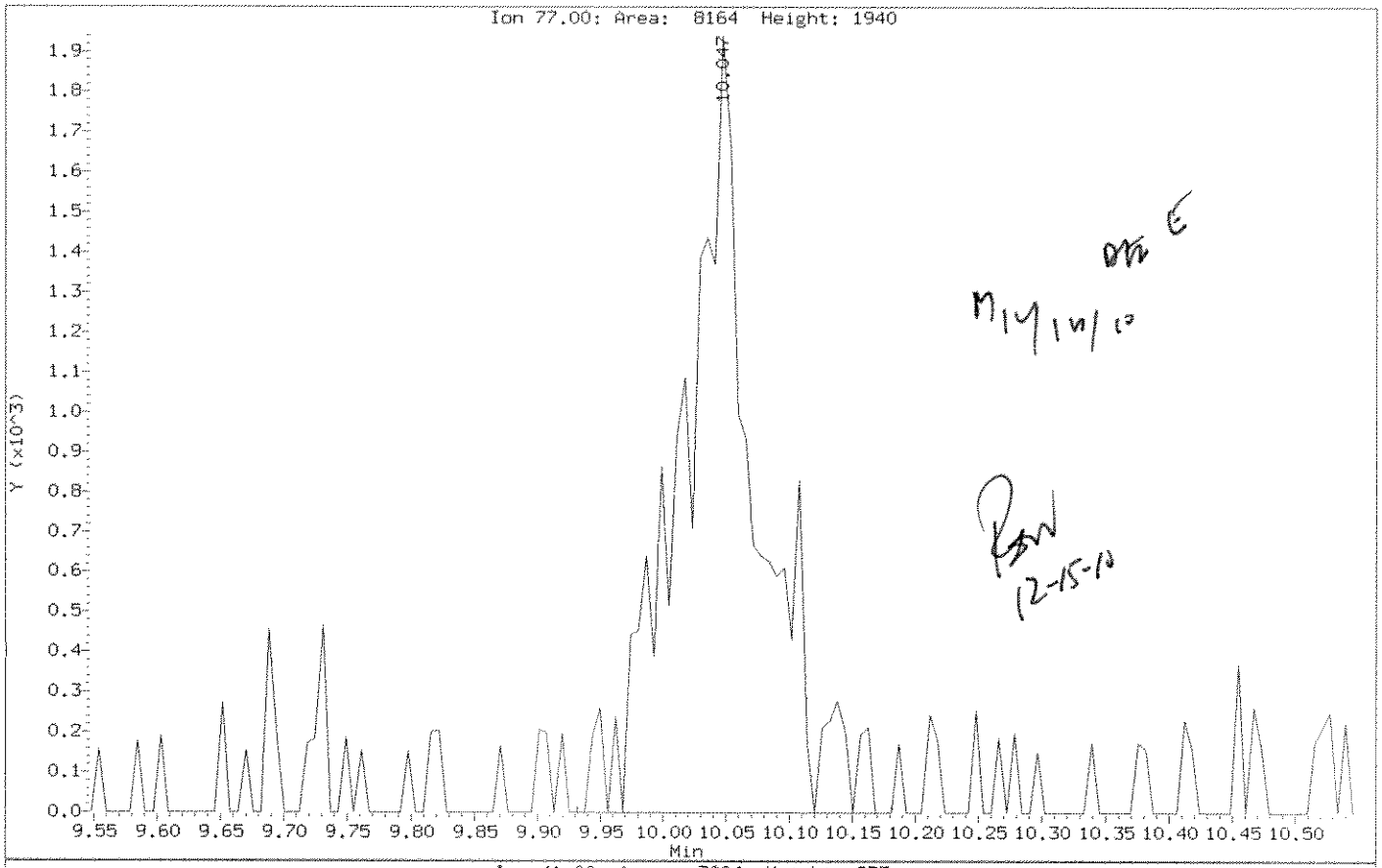
Compound: 2,2-Dichloropropane
CAS Number: 594-20-7

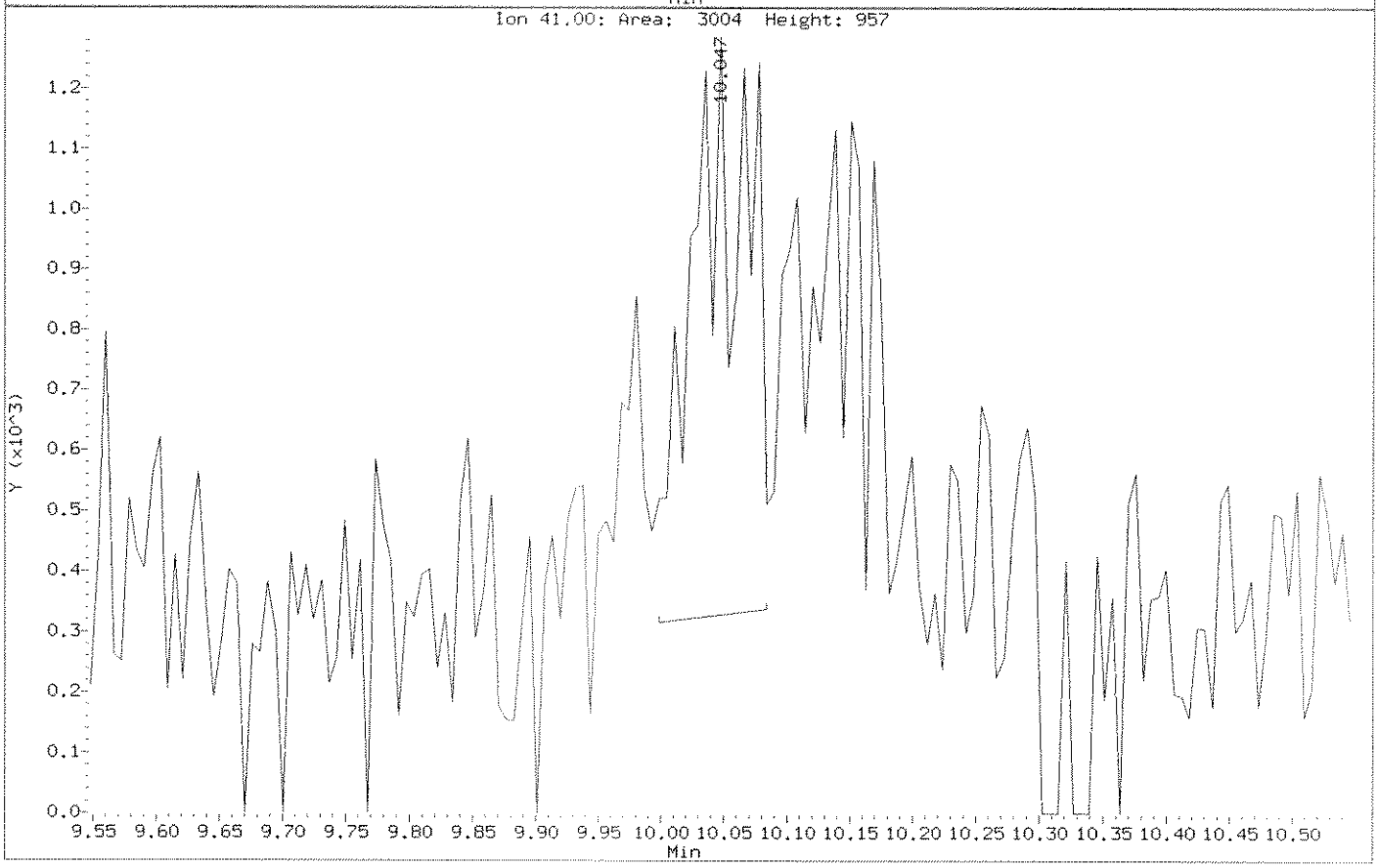




Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Injection Date: 13-DEC-2010 16:19
Instrument: voa3.i
Client Sample ID: SEQ-CAL1

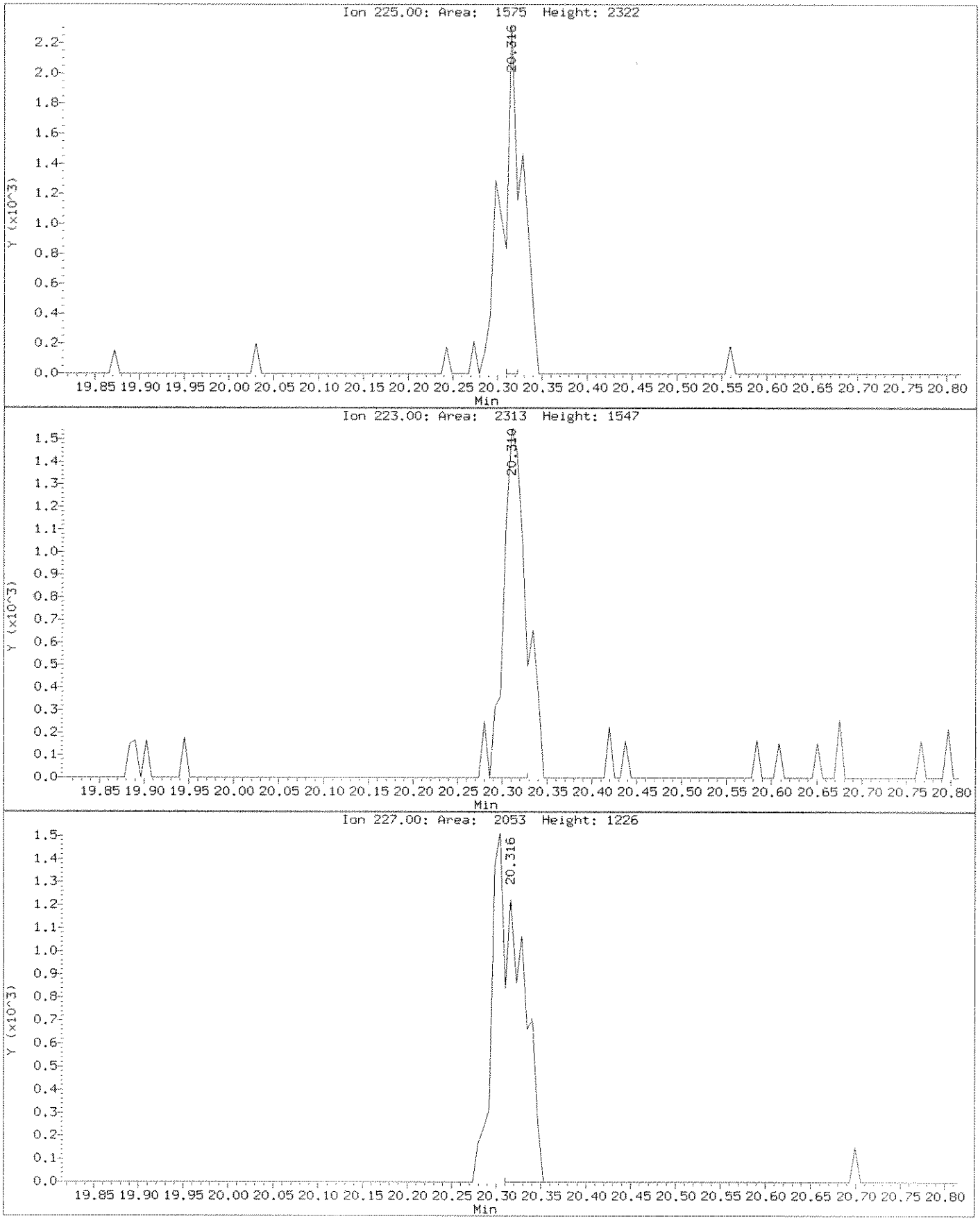
Compound: 2,2-Dichloropropane
CAS Number: 594-20-7





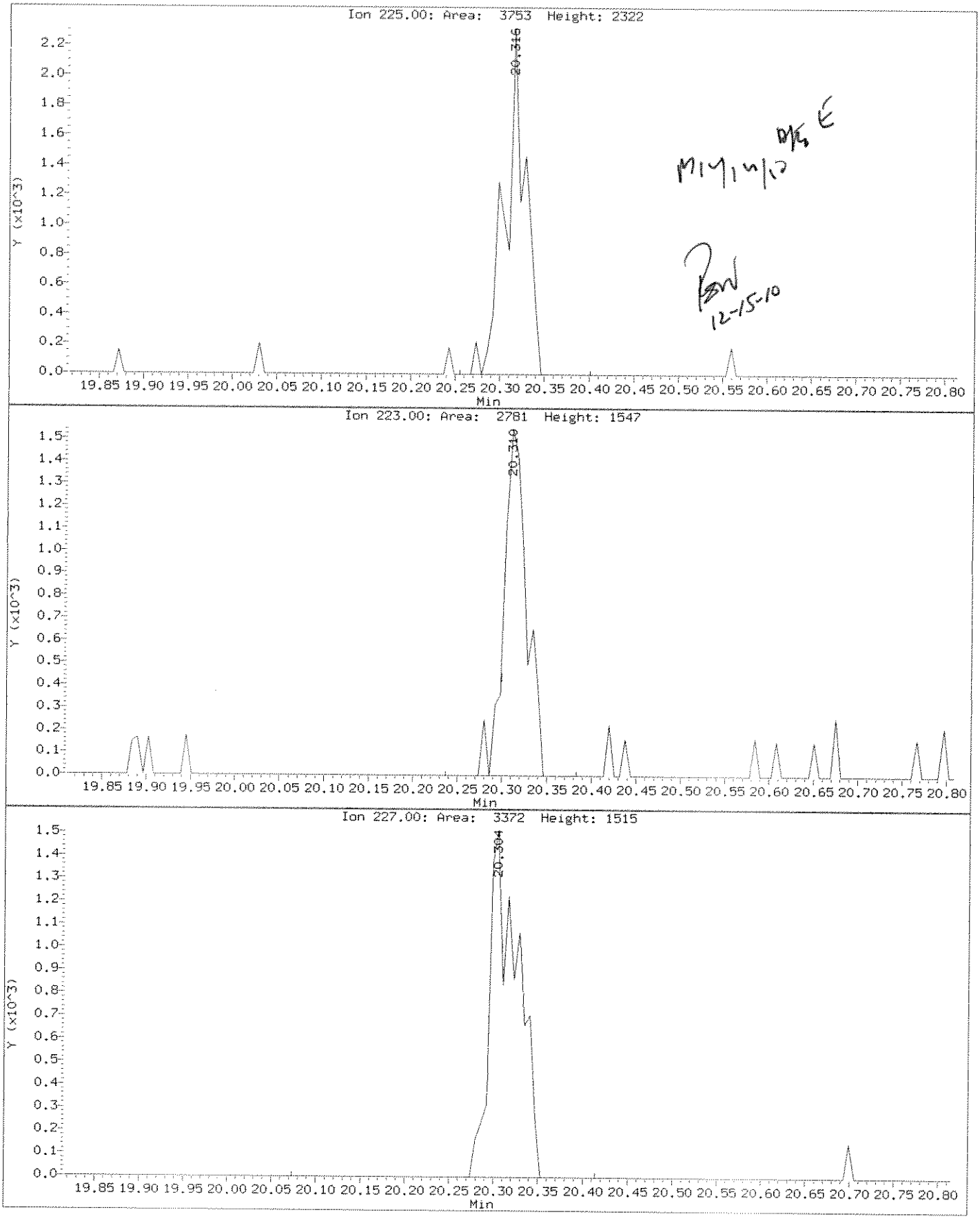
Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Injection Date: 13-DEC-2010 16:19
Instrument: voa3.i
Client Sample ID: SEQ-CAL1

Compound: Hexachlorobutadiene
CAS Number: 87-68-3



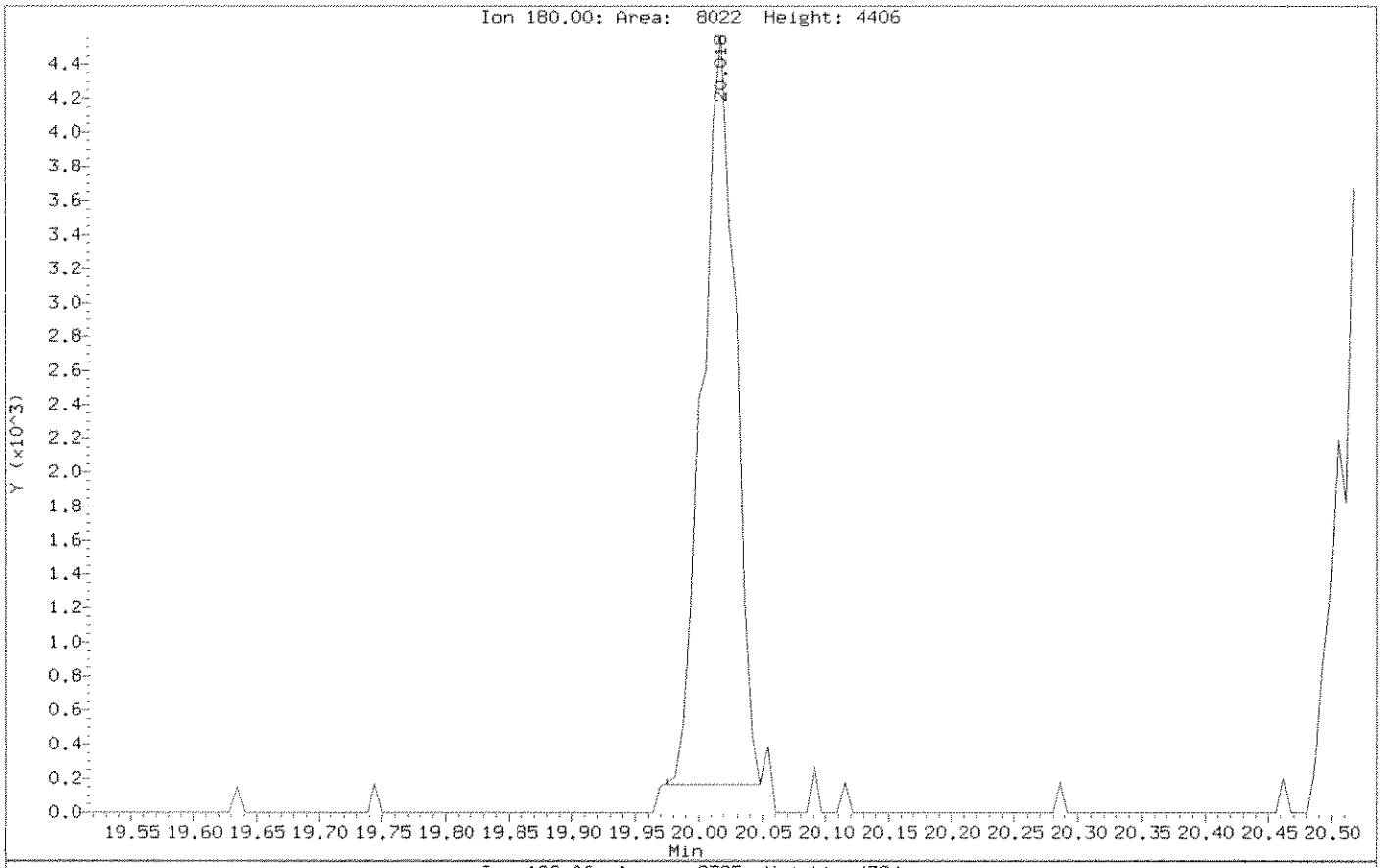
Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Injection Date: 13-DEC-2010 16:19
Instrument: voa3.i
Client Sample ID: SEQ-CAL1

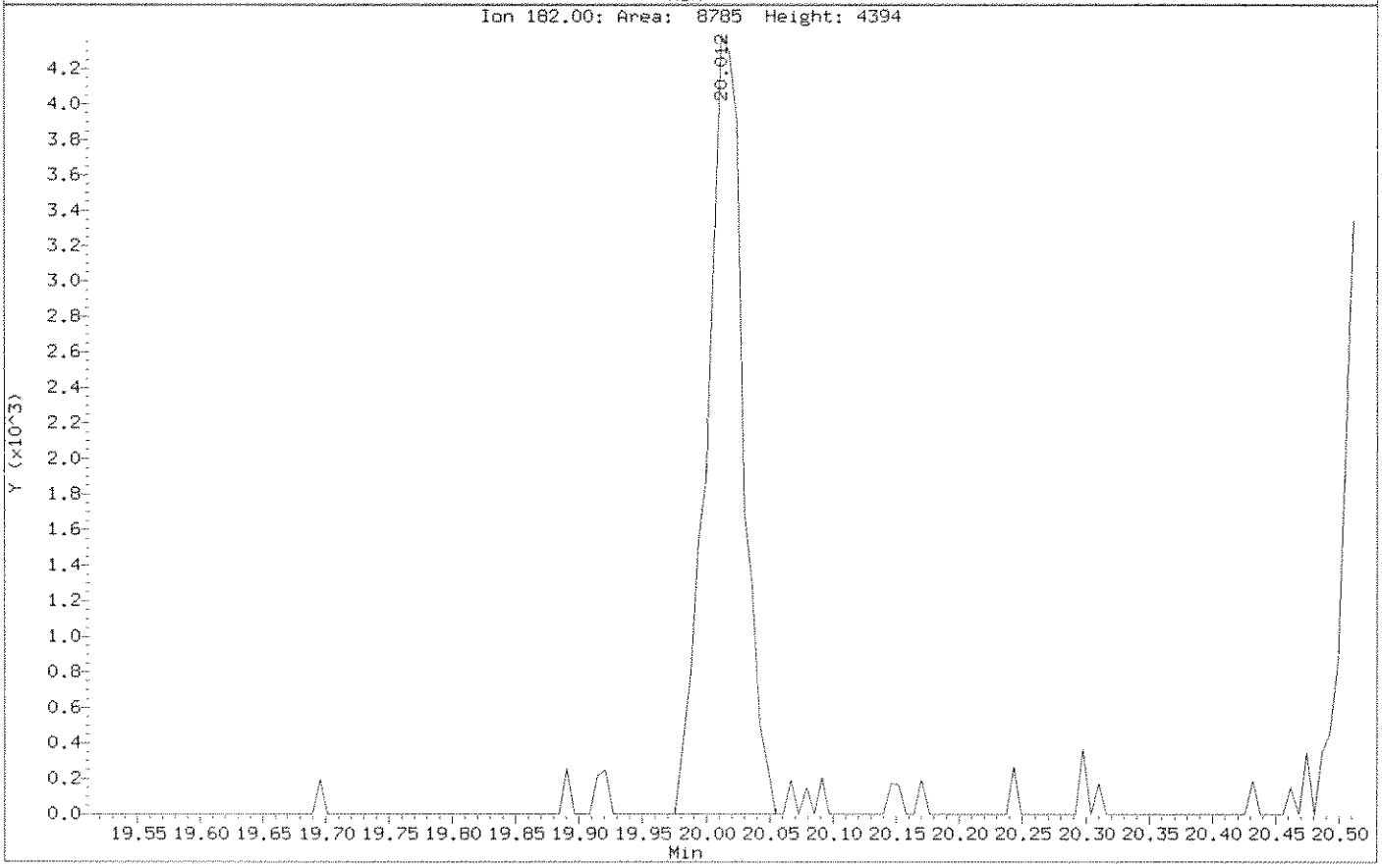
Compound: Hexachlorobutadiene
CAS Number: 87-68-3



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Injection Date: 13-DEC-2010 16:19
Instrument: voa3.i
Client Sample ID: SEQ-CAL1

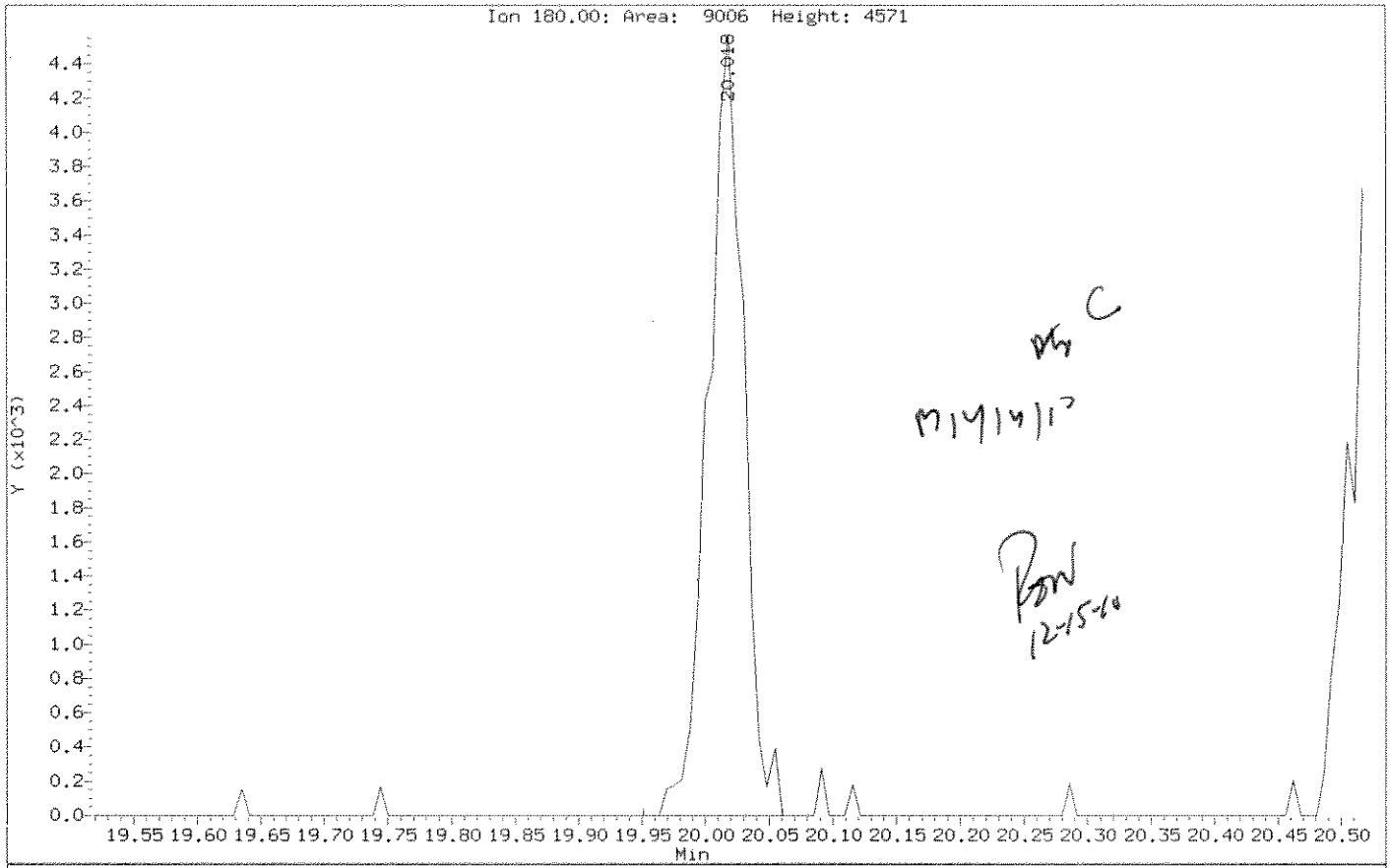
Compound: 1,2,4-Trichlorobenzene
CAS Number: 120-82-1

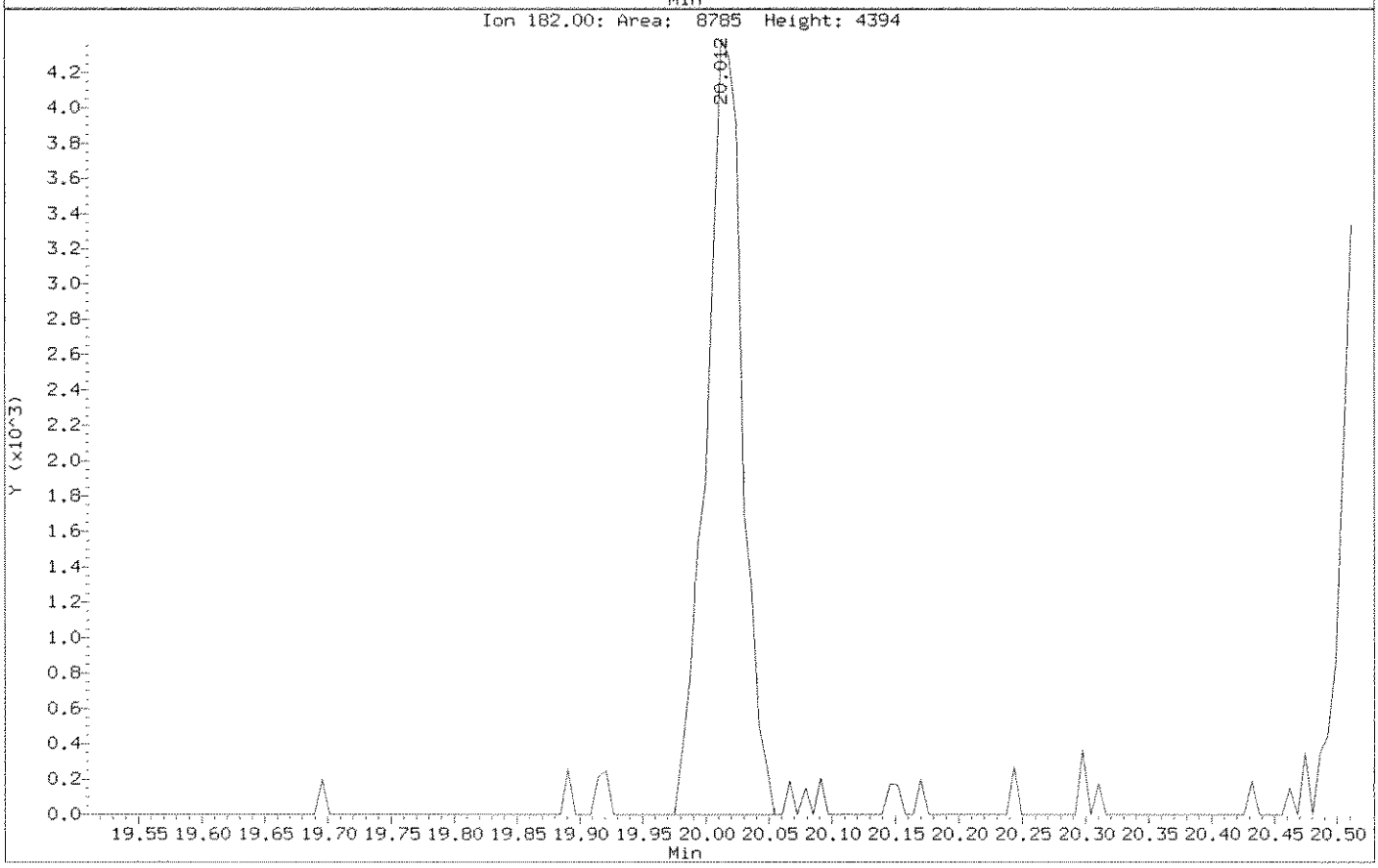




Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL1.D
Injection Date: 13-DEC-2010 16:19
Instrument: voa3.i
Client Sample ID: SEQ-CAL1

Compound: 1,2,4-Trichlorobenzene
CAS Number: 120-82-1





Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL2.D
Report Date: 14-Dec-2010 08:02

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL2.D
Lab Smp Id: SEQ-CAL2 Client Smp ID: SEQ-CAL2
Inj Date : 13-DEC-2010 16:49 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-CAL2
Misc Info : ;1;;;2;gmall-k.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:02 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-k.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

MJ 14/10

12-15-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.468	12.468	(1.000)	1306209	30.0000	
1 Dichlorodifluoromethane	85	3.519	3.519	(0.282)	6576	1.00000	1.007(a)
2 Chloromethane	50	3.731	3.731	(0.299)	10449	1.00000	1.075(a)
4 Vinyl chloride	62	3.932	3.932	(0.315)	8690	1.00000	1.045(a)
7 Bromomethane	94	4.389	4.389	(0.352)	4302	1.00000	1.963(a)
8 Chloroethane	64	4.559	4.559	(0.366)	5599	1.00000	1.089(a)
11 Trichlorofluoromethane	101	5.283	5.283	(0.424)	15822	1.00000	0.9921(a)
15 t-Butyl alcohol	59	6.025	6.025	(0.483)	4710	5.00000	4.869
16 tert-Amyl alcohol	59	11.001	11.001	(0.882)	2222	5.00000	3.477(H)
26 Trichlorotrifluoroethane	101	6.347	6.347	(0.509)	7378	1.00000	0.8970(a)
10 Acrolein	56	5.222	5.222	(0.419)	9156	5.00000	5.478
22 1,1-Dichloroethene	96	6.037	6.037	(0.484)	8517	1.00000	1.058
23 Iodomethane	142	6.068	6.068	(0.487)	9257	1.00000	1.563(a)
29 Carbon disulfide	76	6.603	6.603	(0.530)	25048	1.00000	0.9248(a)
25 Methylene chloride	84	6.250	6.250	(0.501)	12261	1.00000	1.170(a)
24 Acrylonitrile	53	6.074	6.074	(0.487)	18389	5.00000	5.175

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL2.D
Report Date: 14-Dec-2010 08:02

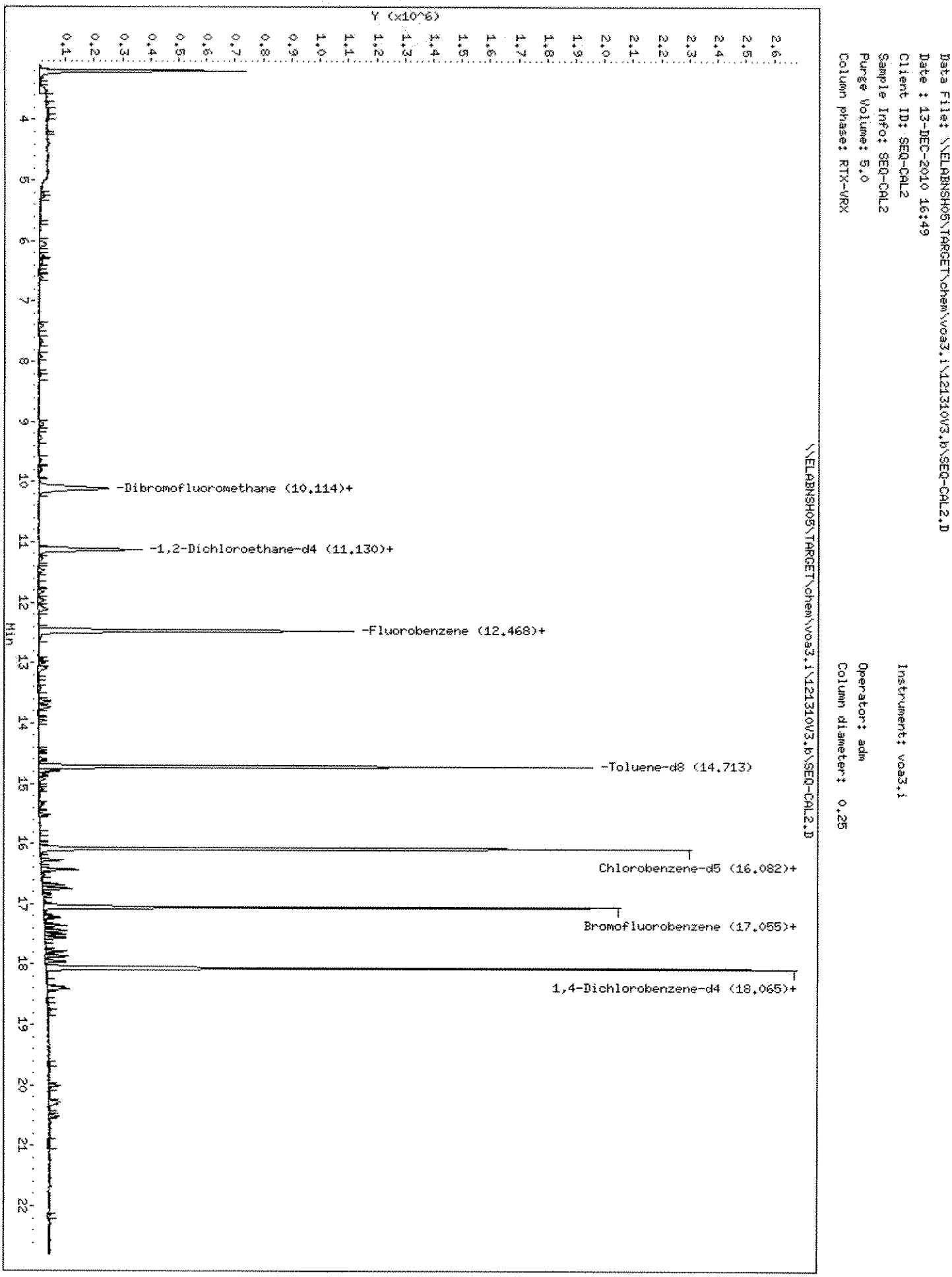
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	32 trans-1,2-Dichloroethene	96	7.400	7.400	(0.594)	8952	1.00000	0.9591(a)
	33 MTBE	73	7.674	7.674	(0.616)	25612	1.00000	0.9588(a)
	34 1,1-Dichloroethane	63	7.911	7.911	(0.635)	16807	1.00000	0.9722(a)
	37 Vinyl acetate	43	8.221	8.221	(0.659)	21590	2.00000	1.747(a)
	45 Di-isopropyl ether	45	9.055	9.055	(0.726)	37831	1.00000	1.019
	46 cis-1,2-Dichloroethene	96	9.274	9.274	(0.744)	9337	1.00000	0.9236(a)
M	30 1,2-Dichloroethene(total)	96				18289	2.00000	1.883
	48 Bromochloromethane	128	9.639	9.639	(0.773)	4496	1.00000	0.9074(aM)
	53 Tetrahydrofuran	42	10.649	10.649	(0.854)	3276	1.00000	1.222(a)
	49 Chloroform	83	9.809	9.809	(0.787)	19225	1.00000	1.052
	27 Methyl acetate	43	6.299	6.299	(0.505)	7021	1.00000	0.9712(a)
$	51 Dibromofluoromethane	111	10.107	10.107	(0.811)	334341	30.0000	29.48
	56 1,1,1-Trichloroethane	97	11.476	11.476	(0.920)	16279	1.00000	1.009
	58 ETBE	59	10.125	10.125	(0.812)	30882	1.00000	0.9282(a)
	59 Cyclohexane	56	11.969	11.969	(0.960)	13746	1.00000	0.8916(a)
	60 Carbon tetrachloride	117	12.078	12.078	(0.969)	12057	1.00000	0.9312(aM)
$	54 1,2-Dichloroethane-d4	102	11.129	11.129	(0.893)	70163	30.0000	29.18
	61 Benzene	78	12.121	12.121	(0.972)	40075	1.00000	1.059
	55 1,2-Dichloroethane	62	11.275	11.275	(0.904)	15452	1.00000	0.9808(a)
	50 2,2-Dichloropropane	77	10.046	10.046	(0.806)	14552	1.00000	0.9550(a)
	57 1,1-Dichloropropene	75	11.823	11.823	(0.948)	12768	1.00000	0.9472(a)
	63 tert-Amyl Methyl Ether	73	12.468	12.468	(1.000)	46656	1.00000	1.503
	73 tert-Amyl Ethyl Ether	59	13.636	13.636	(1.094)	29756	1.00000	0.9988(a)
	67 Trichloroethene	95	13.082	13.082	(1.049)	11734	1.00000	1.047
	66 1,2-Dichloropropane	63	12.997	12.997	(1.042)	10190	1.00000	0.9856(a)
	65 Dibromomethane	93	12.948	12.948	(1.039)	7118	1.00000	1.039(M)
	70 Methyl methacrylate	41	13.410	13.410	(1.076)	6943	1.00000	0.7307(aM)
	68 Bromodichloromethane	83	13.118	13.118	(1.052)	12840	1.00000	0.9576(a)
	71 2-Chloroethyl vinyl ether	63	13.721	13.721	(1.101)	13418	2.00000	1.921(a)
	76 cis-1,3-Dichloropropene	75	13.958	13.958	(1.120)	15858	1.00000	0.9373(a)
$	81 Toluene-d8	98	14.718	14.718	(0.915)	1409831	30.0000	29.03
	83 Toluene	92	14.791	14.791	(0.920)	28754	1.00000	1.025
	78 trans-1,3-Dichloropropene	75	14.445	14.445	(0.898)	13680	1.00000	0.9025(a)
	85 Ethyl methacrylate	69	14.925	14.925	(0.928)	11046	1.00000	0.8292(a)
	80 1,1,2-Trichloroethane	83	14.597	14.597	(0.908)	7590	1.00000	0.9184(a)
	89 Tetrachloroethene	166	15.521	15.521	(0.965)	11559	1.00000	1.005
	87 Dibromochloromethane	129	15.096	15.096	(0.939)	8848	1.00000	0.8815(a)
	88 1,2-Dibromoethane	107	15.333	15.333	(0.953)	10633	1.00000	0.9516(a)
	74 Methyl cyclohexane	83	13.739	13.739	(1.102)	12614	1.00000	0.9843(a)
*	92 Chlorobenzene-d5	82	16.081	16.081	(1.000)	711161	30.0000	
	93 Chlorobenzene	112	16.112	16.112	(1.002)	32923	1.00000	1.032
	90 1,1,1,2-Tetrachloroethane	131	16.051	16.051	(0.998)	9067	1.00000	0.9152(a)
	91 1-Chlorohexane	91	16.069	16.069	(0.999)	29264	1.00000	1.096
	94 Ethylbenzene	91	16.276	16.276	(1.012)	56973	1.00000	1.079
	95 m,p-Xylene	91	16.434	16.434	(1.022)	93098	2.00000	2.154
M	107 Xylene(total)	91				140305	3.00000	3.210
	99 o-Xylene	91	16.744	16.744	(1.041)	47207	1.00000	1.056

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL2.D
Report Date: 14-Dec-2010 08:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
97 Styrene	104	16.690	16.690	(1.038)	36589	1.00000	1.016
96 Bromoform	173	16.519	16.519	(1.027)	5324	1.00000	2.395
103 Isopropylbenzene	105	17.030	17.030	(1.059)	47110	1.00000	1.073
$ 104 Bromofluorobenzene	95	17.055	17.055	(1.061)	686731	30.0000	29.57
98 1,1,2,2-Tetrachloroethane	83	16.750	16.750	(0.927)	14553	1.00000	1.081
84 1,3-Dichloropropane	76	14.858	14.858	(0.924)	16892	1.00000	1.057
100 1,2,3-Trichloropropane	110	16.860	16.860	(1.048)	3424	1.00000	0.8604(a)
108 n-Propylbenzene	91	17.365	17.365	(0.961)	62608	1.00000	1.071
113 1,3,5-Trimethylbenzene	105	17.566	17.566	(0.972)	44861	1.00000	1.029
111 1,2,4-Trimethylbenzene	105	17.870	17.870	(0.989)	48314	1.00000	1.068
114 sec-Butylbenzene	105	17.961	17.961	(0.994)	52704	1.00000	1.090
112 tert-Butylbenzene	119	18.089	18.089	(1.001)	39973	1.00000	1.058
115 1,3-Dichlorobenzene	146	18.040	18.040	(0.999)	25842	1.00000	1.041
* 117 1,4-Dichlorobenzene-d4	152	18.064	18.064	(1.000)	746535	30.0000	
118 1,4-Dichlorobenzene	146	18.089	18.089	(1.001)	26847	1.00000	1.027
121 n-Butylbenzene	91	18.405	18.405	(1.019)	38671	1.00000	1.021
120 1,2-Dichlorobenzene	146	18.381	18.381	(1.018)	25724	1.00000	1.036
122 1,2-Dibromo-3-chloropropane	157	18.758	18.758	(1.038)	2444	1.00000	2.289
105 Bromobenzene	156	17.225	17.225	(0.954)	17268	1.00000	1.118
109 2-Chlorotoluene	91	17.444	17.444	(0.966)	42152	1.00000	1.032
110 4-Chlorotoluene	91	17.499	17.499	(0.969)	40906	1.00000	0.9995(a)
123 1,2,4-Trichlorobenzene	180	20.011	20.011	(1.108)	17148	1.00000	1.044
124 Naphthalene	128	20.273	20.273	(1.122)	37040	1.00000	0.9806(a)
119 p-Isopropyltoluene	119	17.791	17.791	(0.985)	35834	1.00000	1.054
125 Hexachlorobutadiene	225	20.315	20.315	(1.125)	6865	1.00000	0.9452(a)
126 1,2,3-Trichlorobenzene	180	20.522	20.522	(1.136)	14342	1.00000	0.9914(a)

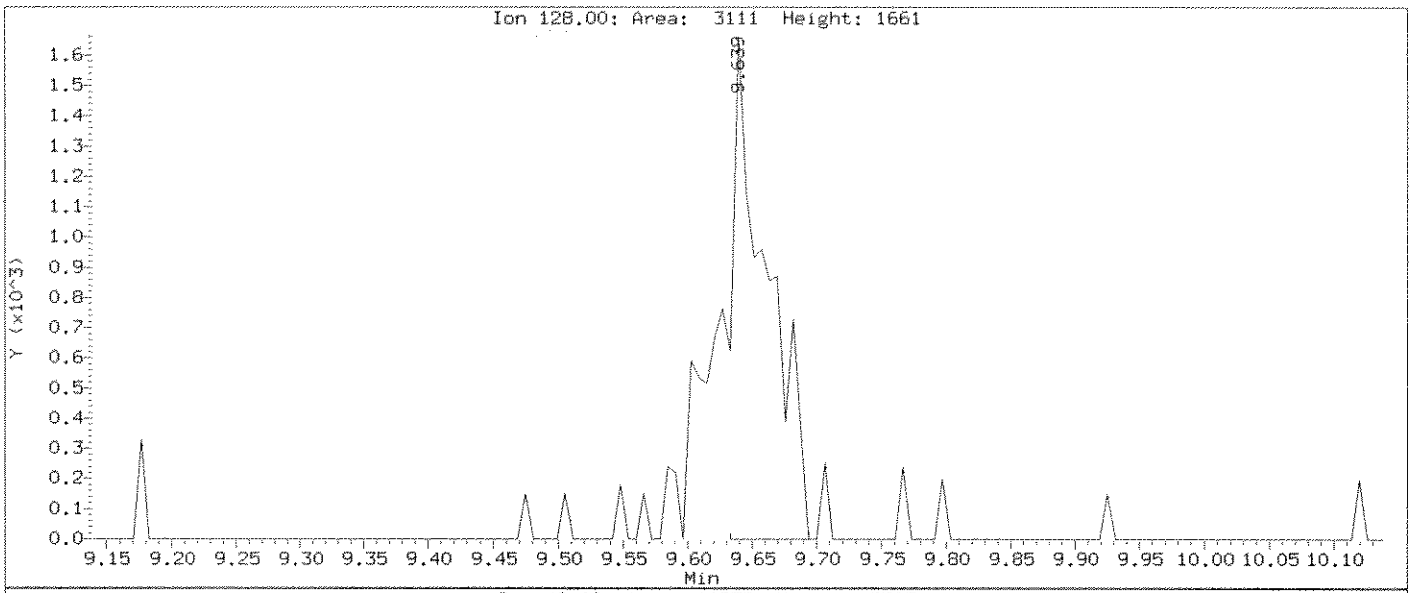
QC Flag Legend

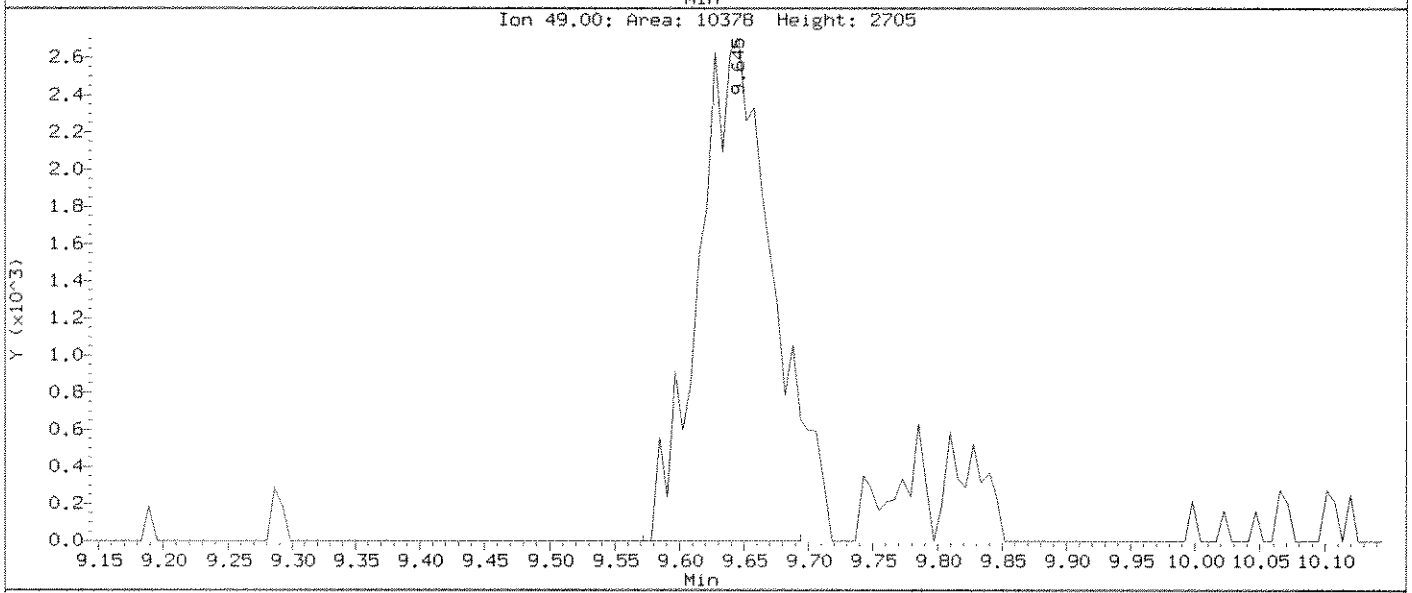
a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

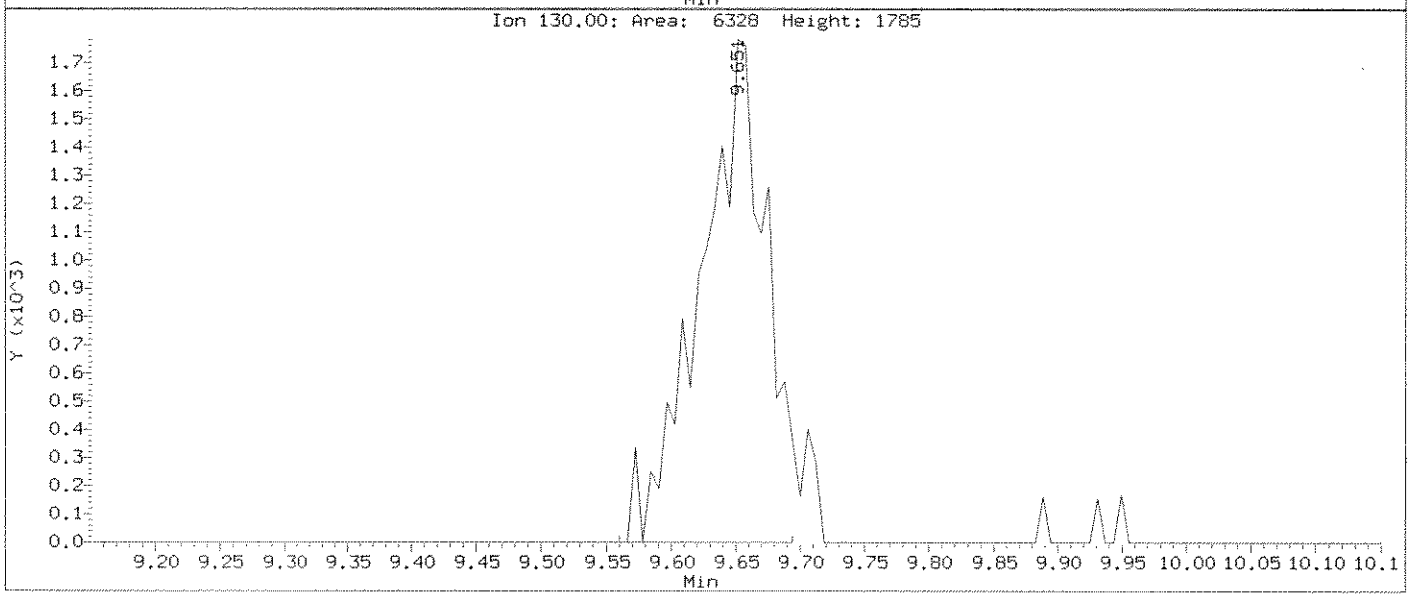

Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL2.D
Date : 13-DEC-2010 16:49
Client ID: SEQ-CAL2
Sample Info: SEQ-CAL2
Purge Volume: 5.0
Column phase: RTX-VRX
Instrument: voa3.i
Operator: adm
Column diameter: 0.25
\\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL2.D
Y (x10^6)
Min
-Dibromofluoromethane (10.114)+
-1,2-Dichloroethane-d4 (11.130)+
-Fluorobenzene (12.468)+
-Toluene-d8 (14.713)
Chlorobenzene-d5 (16.082)+
Bromofluorobenzene (17.055)+
1,4-Dichlorobenzene-d4 (18.065)+

Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL2.D
Injection Date: 13-DEC-2010 16:49
Instrument: voa3.i
Client Sample ID: SEQ-CAL2

Compound: Bromochloromethane
CAS Number: 74-97-5

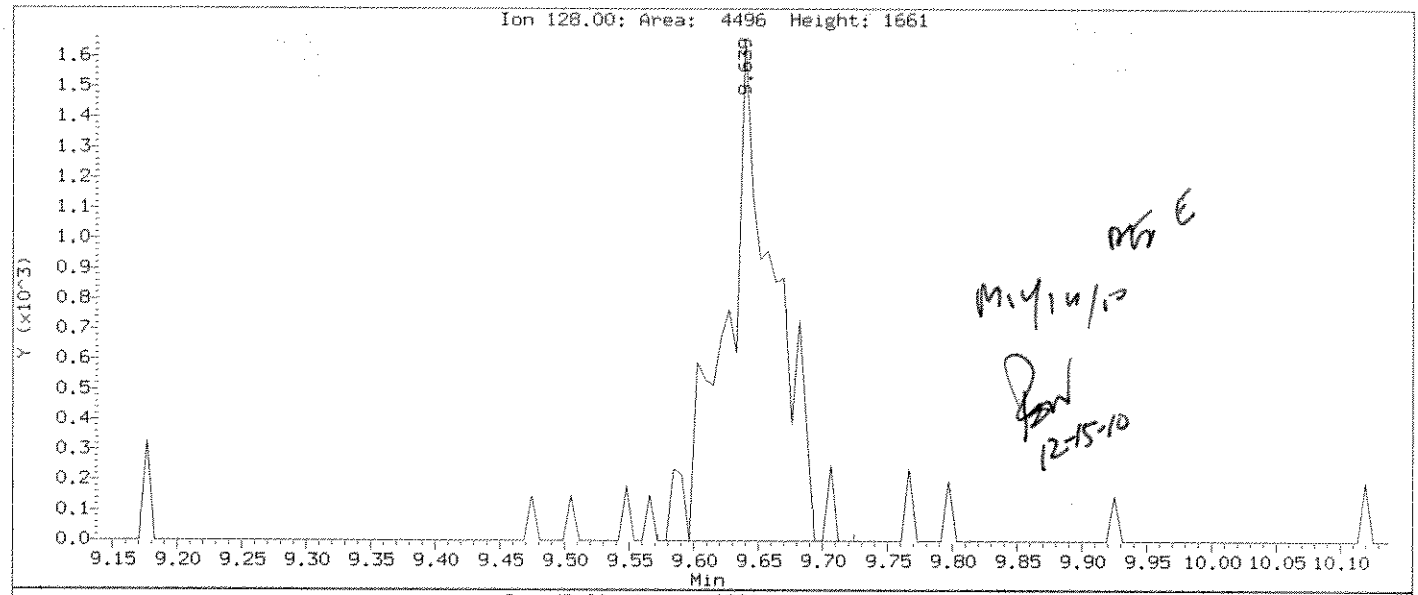




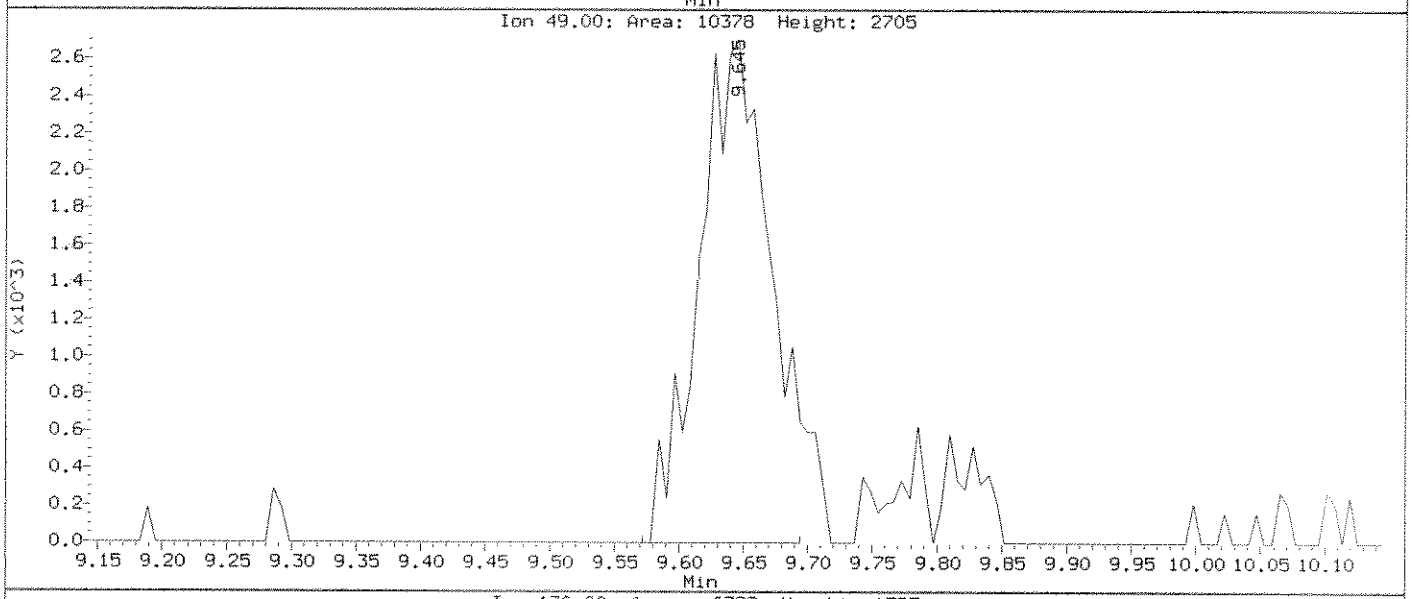


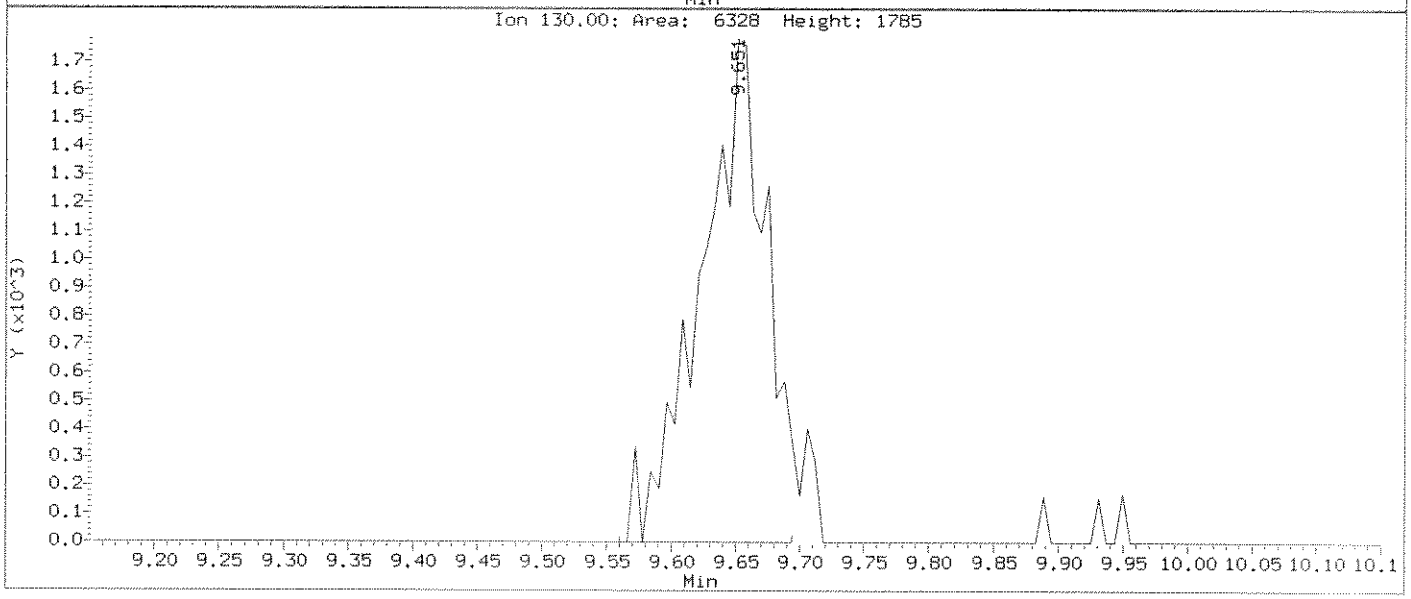
Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL2.D
Injection Date: 13-DEC-2010 16:49
Instrument: voa3.i
Client Sample ID: SEQ-CAL2

Compound: Bromochloromethane
CAS Number: 74-97-5



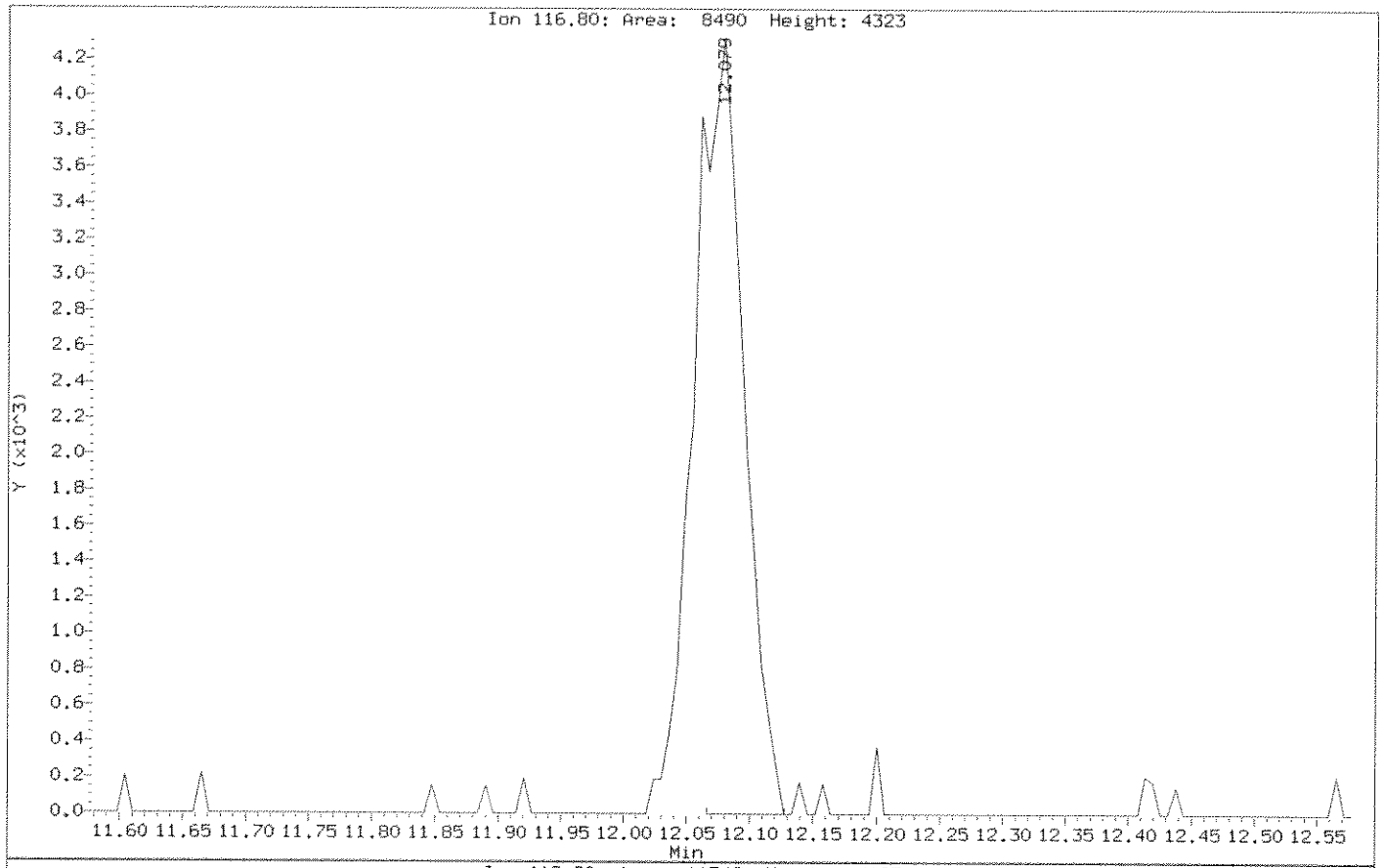
MG E
M 12/14/10
12-15-10

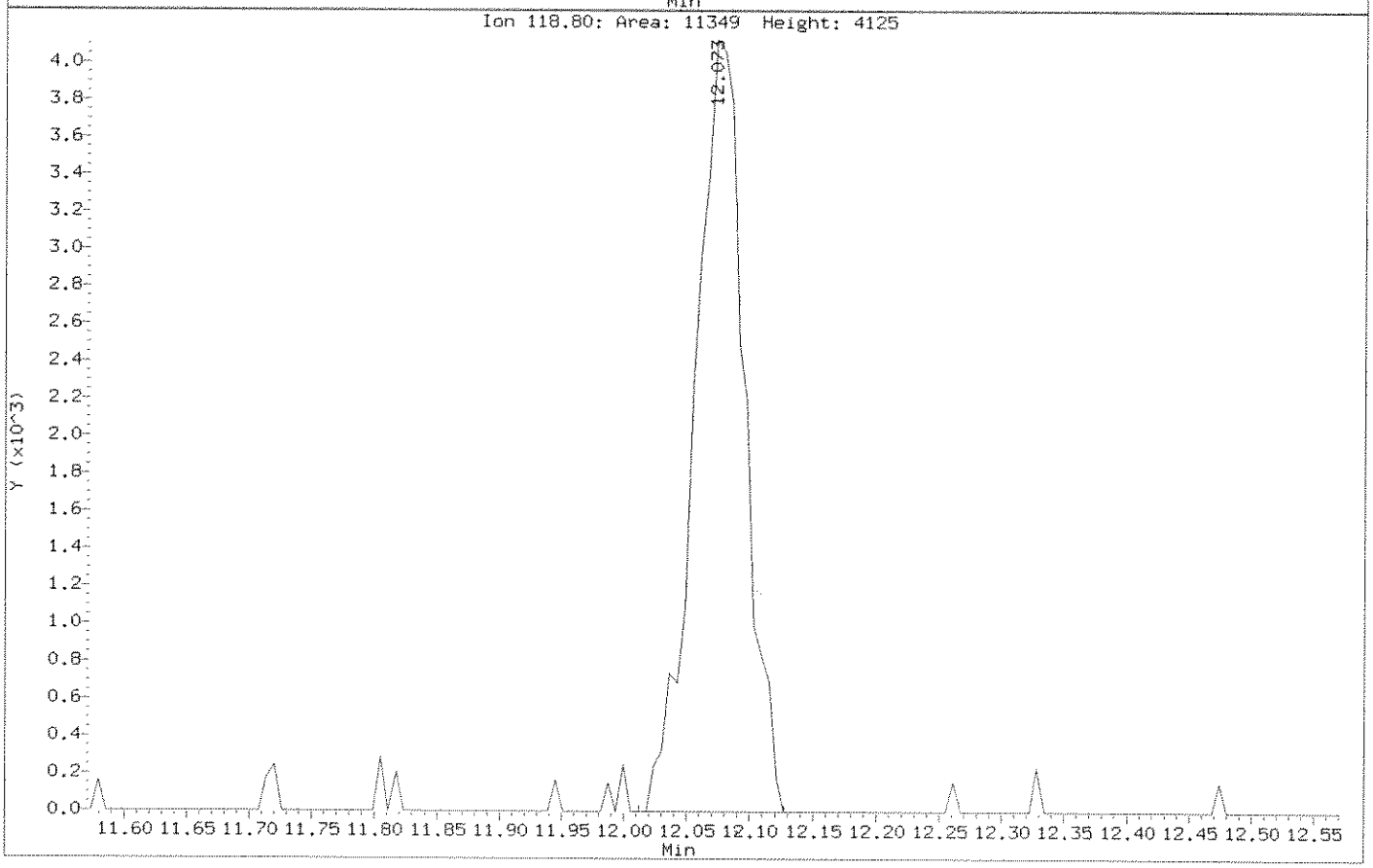




Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL2.D
Injection Date: 13-DEC-2010 16:49
Instrument: voa3.i
Client Sample ID: SEQ-CAL2

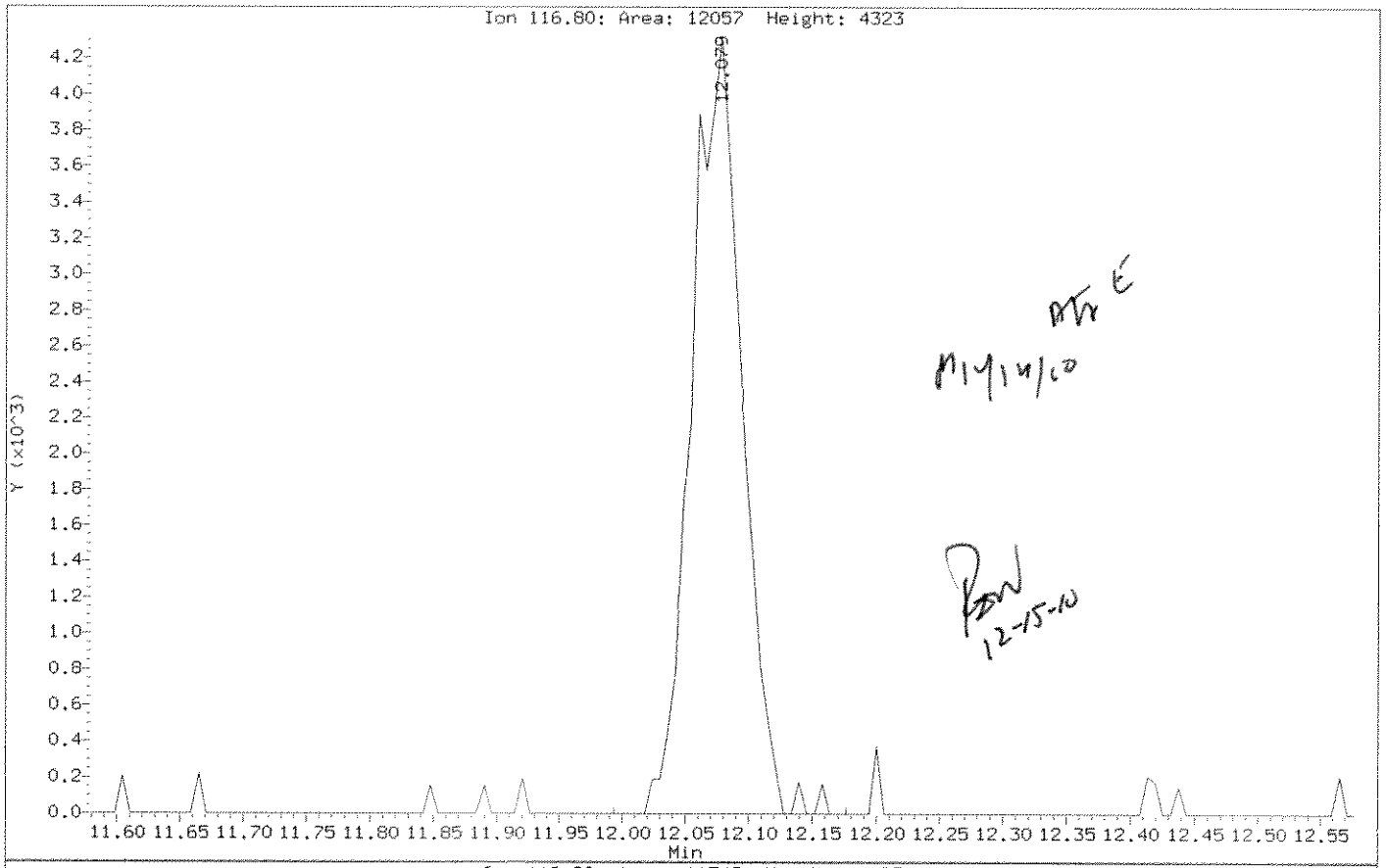
Compound: Carbon tetrachloride
CAS Number: 56-23-5

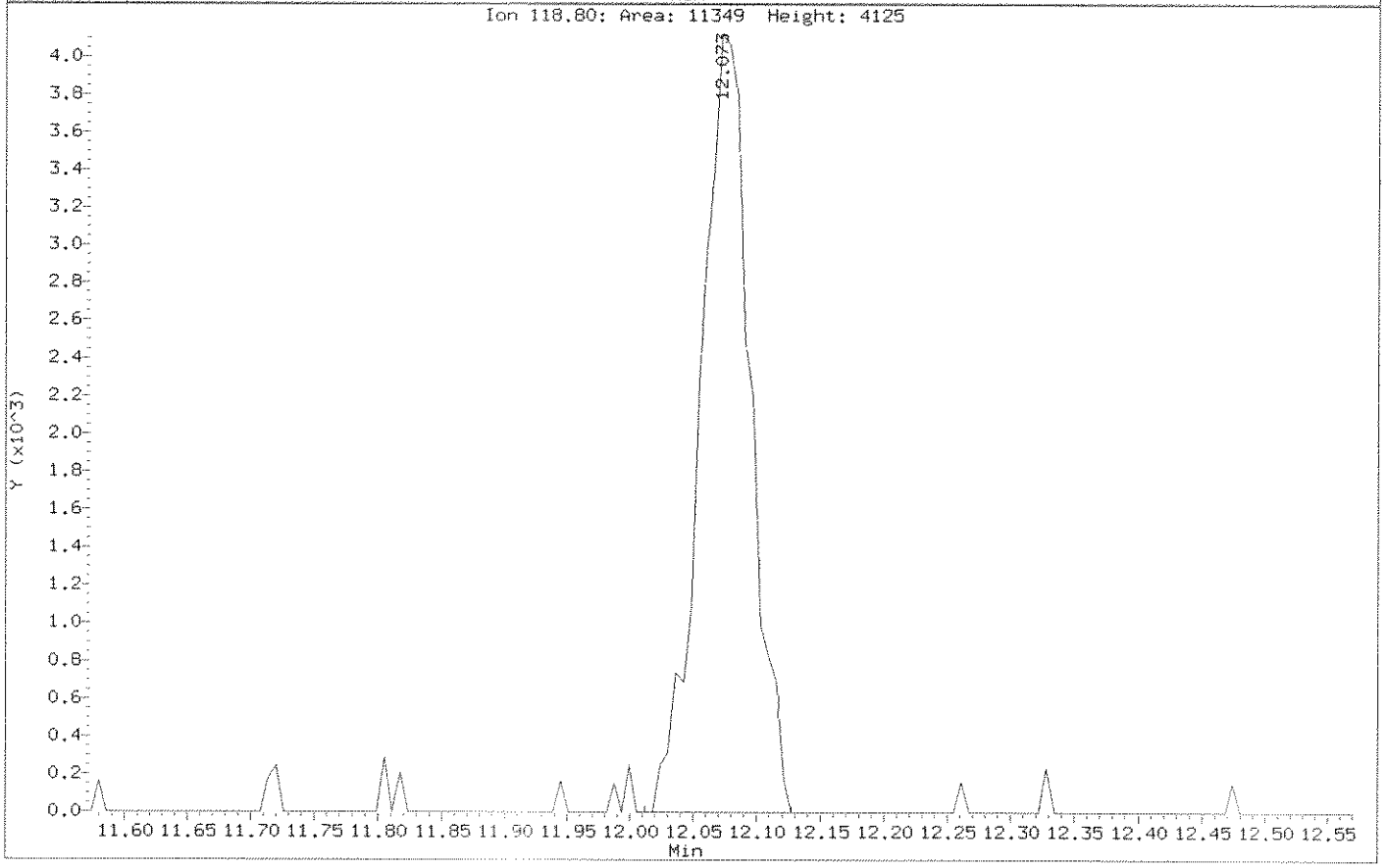




Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL2.D
Injection Date: 13-DEC-2010 16:49
Instrument: voa3.i
Client Sample ID: SEQ-CAL2

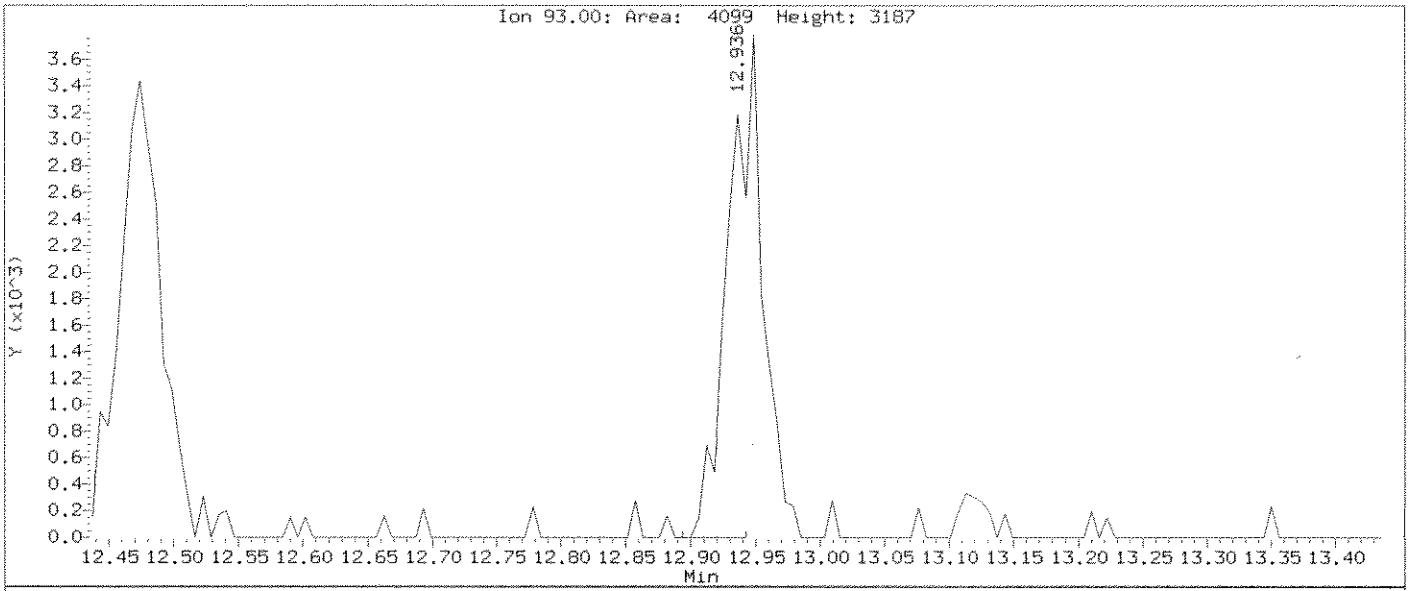
Compound: Carbon tetrachloride
CAS Number: 56-23-5

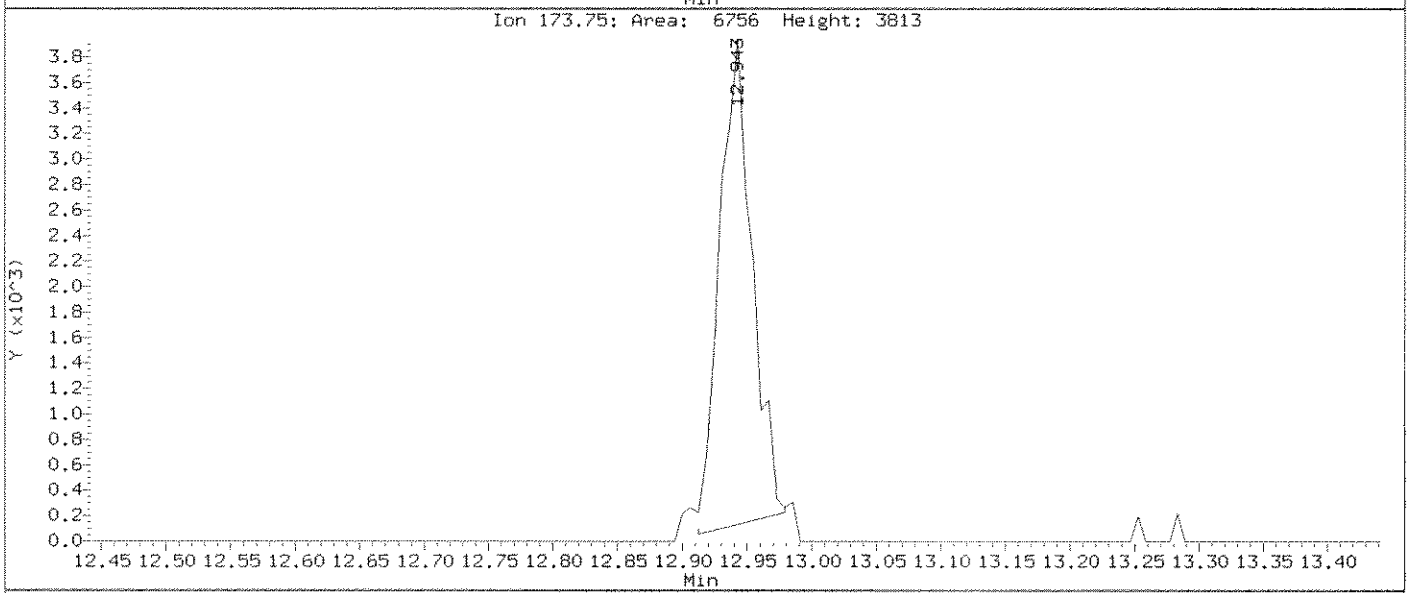


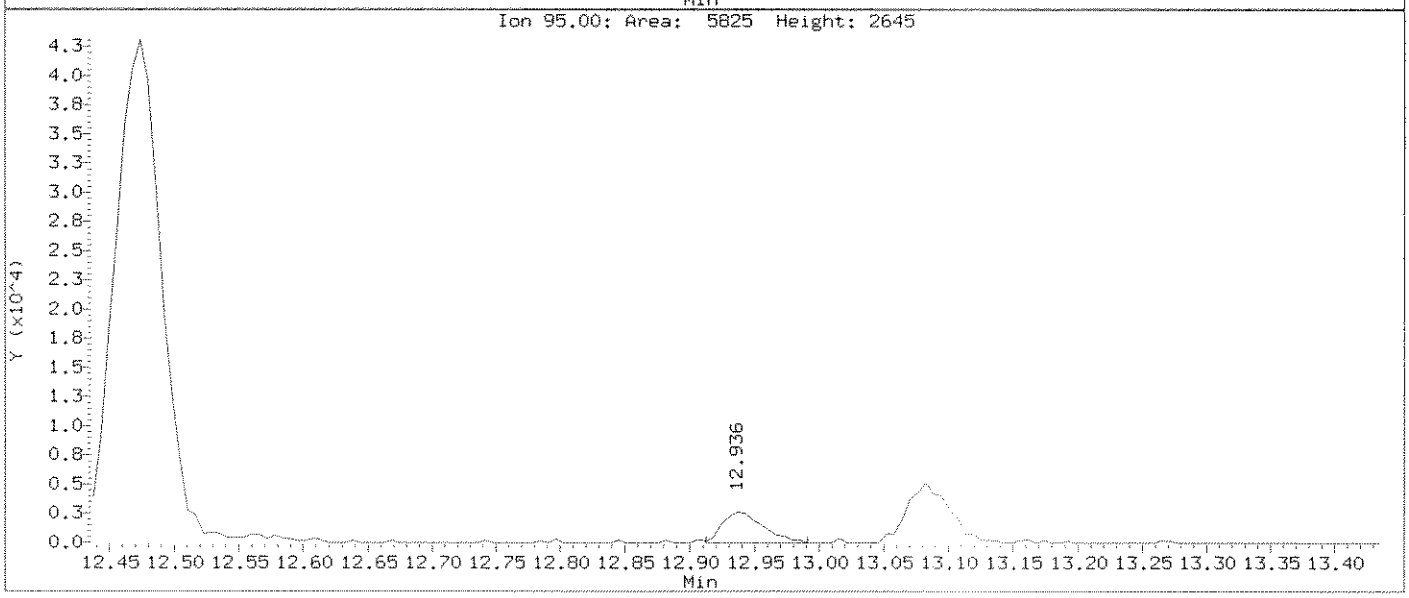


Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL2.D
Injection Date: 13-DEC-2010 16:49
Instrument: voa3.i
Client Sample ID: SEQ-CAL2

Compound: Dibromomethane
CAS Number: 74-95-3

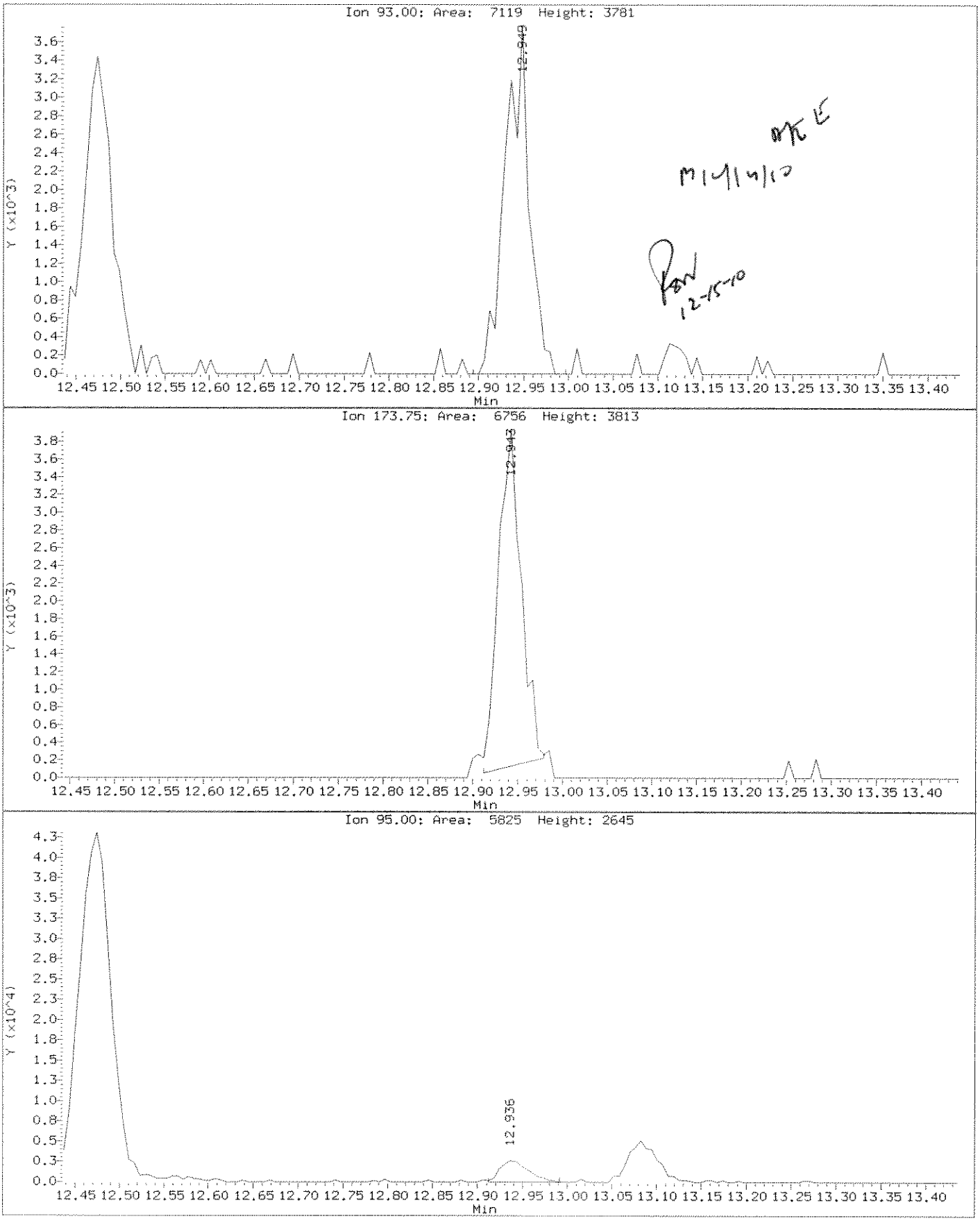






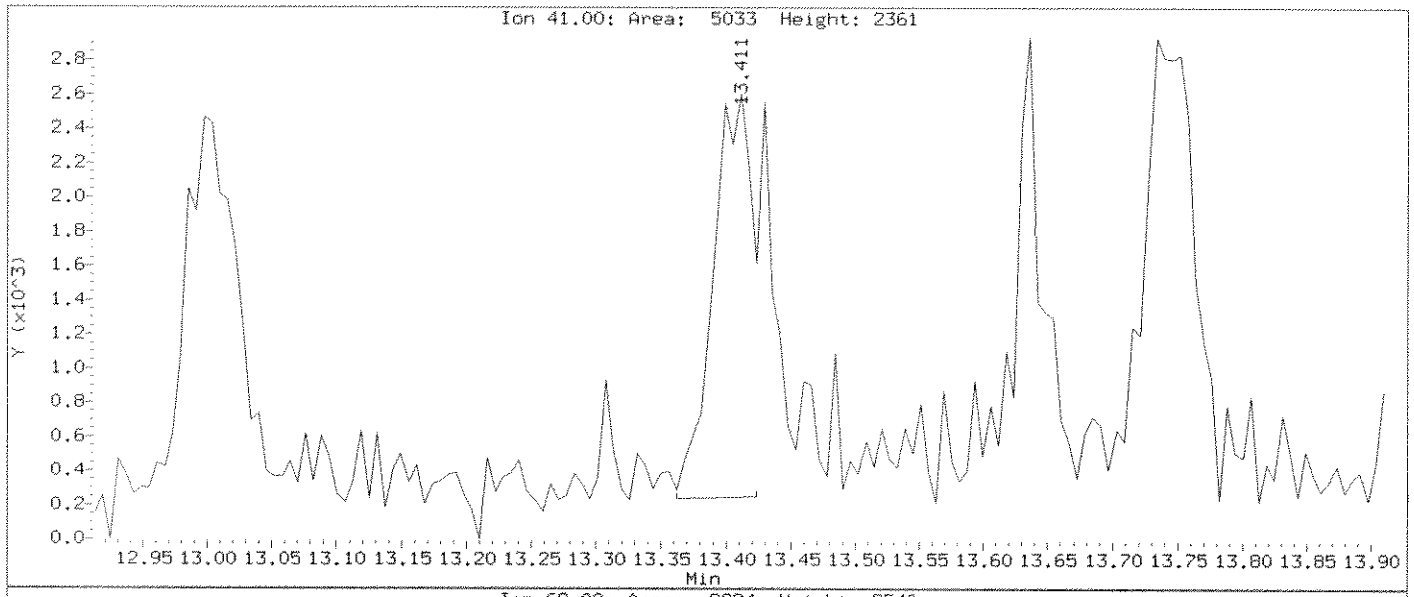
Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL2.D
Injection Date: 13-DEC-2010 16:49
Instrument: voa3.i
Client Sample ID: SEQ-CAL2

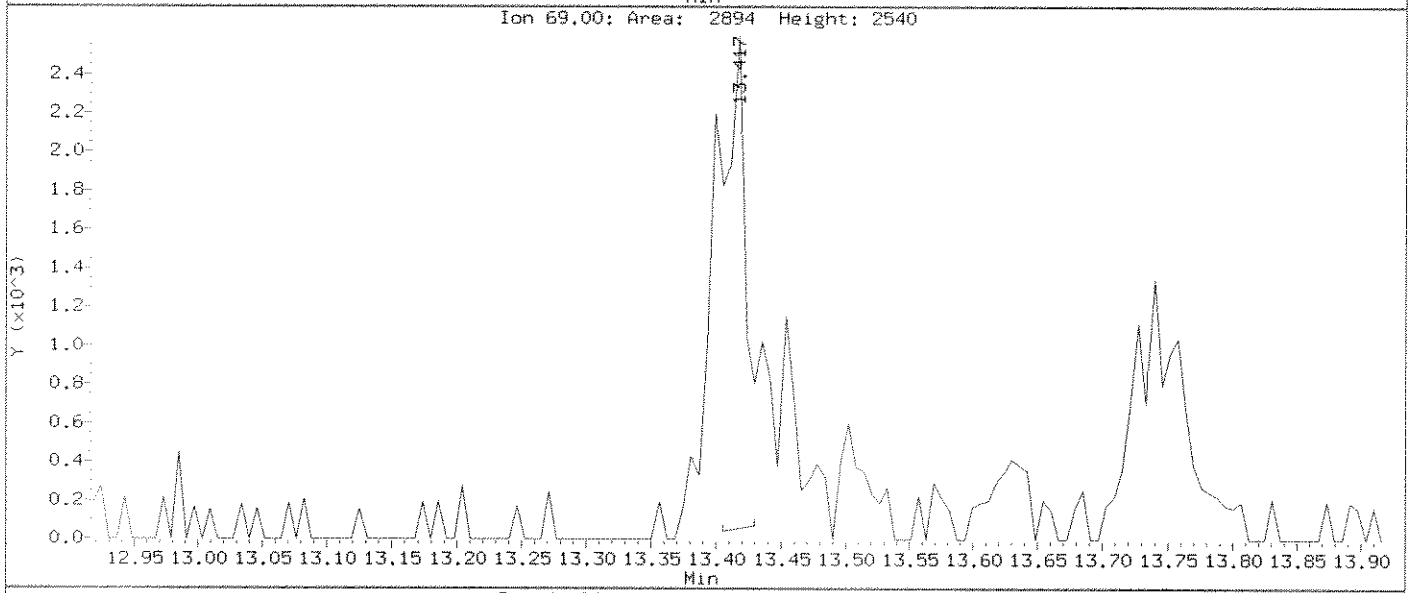
Compound: Dibromomethane
CAS Number: 74-95-3

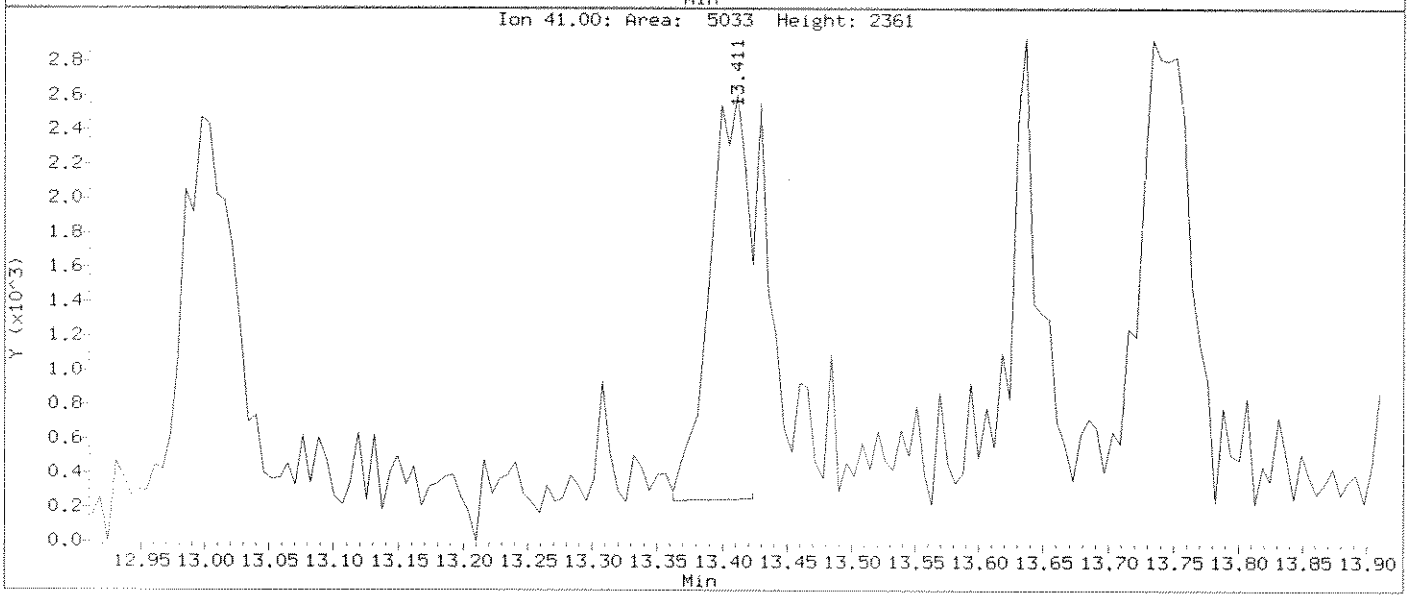


Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL2.D
Injection Date: 13-DEC-2010 16:49
Instrument: voa3.i
Client Sample ID: SEQ-CAL2

Compound: Methyl methacrylate
CAS Number: 80-62-6

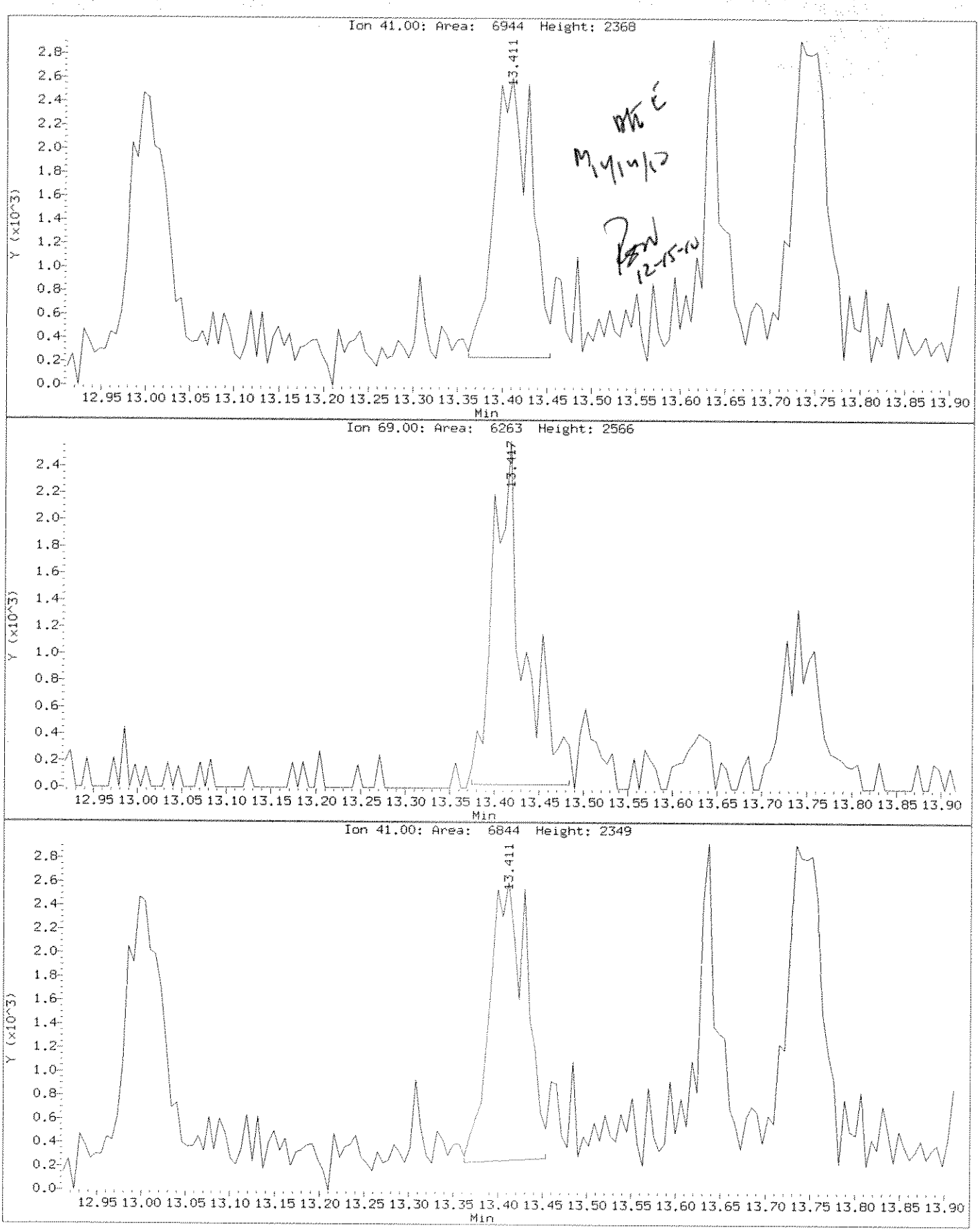






Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL2.D
Injection Date: 13-DEC-2010 16:49
Instrument: voa3.i
Client Sample ID: SEQ-CAL2

Compound: Methyl methacrylate
CAS Number: 80-62-6



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL3.D
Report Date: 14-Dec-2010 08:02

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL3.D
Lab Smp Id: SEQ-CAL3 Client Smp ID: SSEQ-CAL3EQ-CAL3
Inj Date : 13-DEC-2010 17:18 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-CAL3
Misc Info : ;1;;;3;gmall-k.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:02 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-k.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

M 1/4/10

12-15-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.468	12.468	(1.000)	1265130	30.0000	
1 Dichlorodifluoromethane	85	3.525	3.525	(0.283)	13576	2.00000	1.783(a)
2 Chloromethane	50	3.732	3.732	(0.299)	20092	2.00000	2.135
4 Vinyl chloride	62	3.939	3.939	(0.316)	15786	2.00000	1.960(a)
7 Bromomethane	94	4.389	4.389	(0.352)	7892	2.00000	2.582
8 Chloroethane	64	4.565	4.565	(0.366)	9045	2.00000	1.816(a)
11 Trichlorofluoromethane	101	5.265	5.265	(0.422)	31712	2.00000	2.053
15 t-Butyl alcohol	59	6.043	6.043	(0.485)	8970	10.0000	9.574
16 tert-Amyl alcohol	59	10.983	10.983	(0.881)	5533	10.0000	8.939
26 Trichlorotrifluoroethane	101	6.354	6.354	(0.510)	15898	2.00000	1.996
10 Acrolein	56	5.222	5.222	(0.419)	18189	10.0000	11.23
22 1,1-Dichloroethene	96	6.025	6.025	(0.483)	15259	2.00000	1.957
23 Iodomethane	142	6.068	6.068	(0.487)	18233	2.00000	2.321(a)
29 Carbon disulfide	76	6.609	6.609	(0.530)	48892	2.00000	1.864
25 Methylene chloride	84	6.232	6.232	(0.500)	21469	2.00000	2.114
24 Acrylonitrile	53	6.068	6.068	(0.487)	35006	10.0000	10.17

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL3.D
Report Date: 14-Dec-2010 08:02

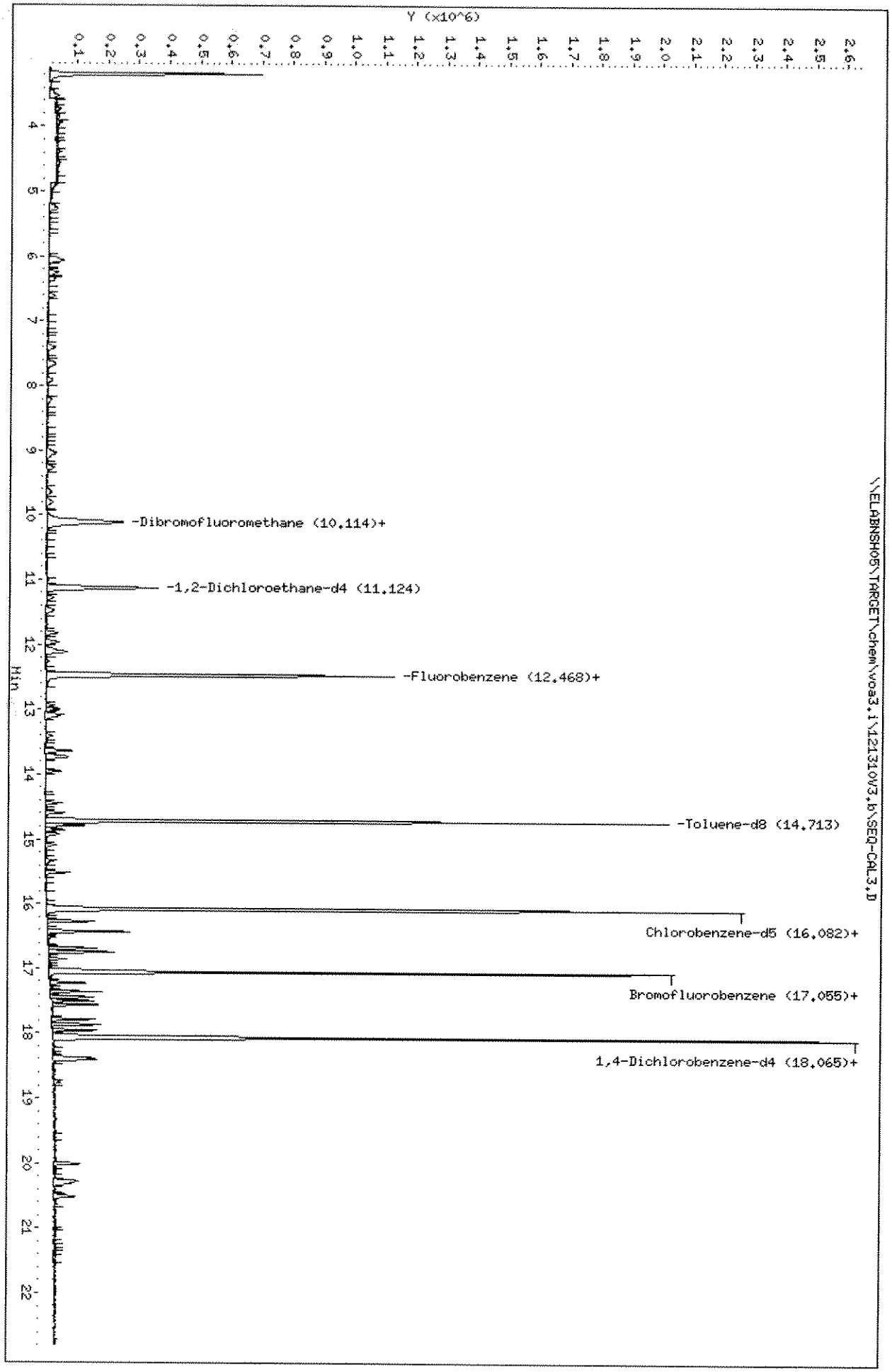
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	32 trans-1,2-Dichloroethene	96	7.394	7.394	(0.593)	18176	2.00000	2.011
	33 MTBE	73	7.674	7.674	(0.616)	56410	2.00000	2.180
	34 1,1-Dichloroethane	63	7.911	7.911	(0.635)	33097	2.00000	1.977
	37 Vinyl acetate	43	8.197	8.197	(0.657)	44669	4.00000	3.732(a)
	45 Di-isopropyl ether	45	9.031	9.031	(0.724)	71876	2.00000	1.999
	46 cis-1,2-Dichloroethene	96	9.286	9.286	(0.745)	21794	2.00000	2.226
M	30 1,2-Dichloroethene(total)	96				39970	4.00000	4.236
	48 Bromochloromethane	128	9.645	9.645	(0.774)	9319	2.00000	1.942(a)
	53 Tetrahydrofuran	42	10.661	10.661	(0.855)	4347	2.00000	1.674(a)
	49 Chloroform	83	9.809	9.809	(0.787)	37006	2.00000	2.091
	27 Methyl acetate	43	6.299	6.299	(0.505)	13118	2.00000	1.874
$	51 Dibromofluoromethane	111	10.113	10.113	(0.811)	325710	30.0000	29.66
	56 1,1,1-Trichloroethane	97	11.470	11.470	(0.920)	28698	2.00000	1.837
	58 ETBE	59	10.126	10.126	(0.812)	63776	2.00000	1.979
	59 Cyclohexane	56	11.963	11.963	(0.960)	30512	2.00000	2.043
	60 Carbon tetrachloride	117	12.072	12.072	(0.968)	23168	2.00000	1.847
$	54 1,2-Dichloroethane-d4	102	11.129	11.129	(0.893)	69676	30.0000	29.92
	61 Benzene	78	12.121	12.121	(0.972)	79342	2.00000	2.164
	55 1,2-Dichloroethane	62	11.275	11.275	(0.904)	28941	2.00000	1.897
	50 2,2-Dichloropropane	77	10.040	10.040	(0.805)	28825	2.00000	1.953
	57 1,1-Dichloropropene	75	11.835	11.835	(0.949)	24990	2.00000	1.914
	63 tert-Amyl Methyl Ether	73	12.462	12.462	(1.000)	72254	2.00000	2.404
	73 tert-Amyl Ethyl Ether	59	13.636	13.636	(1.094)	60796	2.00000	2.107
	67 Trichloroethene	95	13.082	13.082	(1.049)	20387	2.00000	1.878
	66 1,2-Dichloropropane	63	13.009	13.009	(1.043)	20375	2.00000	2.035
	65 Dibromomethane	93	12.942	12.942	(1.038)	15108	2.00000	2.277
	70 Methyl methacrylate	41	13.405	13.405	(1.075)	16071	2.00000	1.746
	68 Bromodichloromethane	83	13.119	13.119	(1.052)	24392	2.00000	1.878
	71 2-Chloroethyl vinyl ether	63	13.709	13.709	(1.100)	26015	4.00000	3.845(a)
	76 cis-1,3-Dichloropropene	75	13.952	13.952	(1.119)	31863	2.00000	1.944
$	81 Toluene-d8	98	14.713	14.713	(0.915)	1420343	30.0000	30.53
	83 Toluene	92	14.786	14.786	(0.919)	56881	2.00000	2.117
	78 trans-1,3-Dichloropropene	75	14.445	14.445	(0.898)	28800	2.00000	1.984
	85 Ethyl methacrylate	69	14.925	14.925	(0.928)	25986	2.00000	2.036
	80 1,1,2-Trichloroethane	83	14.603	14.603	(0.908)	15376	2.00000	1.942
	89 Tetrachloroethene	166	15.522	15.522	(0.965)	22799	2.00000	2.070
	87 Dibromochloromethane	129	15.090	15.090	(0.938)	16429	2.00000	1.709
	88 1,2-Dibromoethane	107	15.327	15.327	(0.953)	21775	2.00000	2.034
	74 Methyl cyclohexane	83	13.745	13.745	(1.102)	24736	2.00000	1.993
*	92 Chlorobenzene-d5	82	16.081	16.081	(1.000)	681194	30.0000	
	93 Chlorobenzene	112	16.106	16.106	(1.002)	68385	2.00000	2.237
	90 1,1,1,2-Tetrachloroethane	131	16.051	16.051	(0.998)	18721	2.00000	1.973
	91 1-Chlorohexane	91	16.069	16.069	(0.999)	53412	2.00000	2.089
	94 Ethylbenzene	91	16.276	16.276	(1.012)	111438	2.00000	2.204
	95 m,p-Xylene	91	16.428	16.428	(1.022)	185119	4.00000	4.472
M	107 Xylene(total)	91				282796	6.00000	6.753
	99 o-Xylene	91	16.744	16.744	(1.041)	97677	2.00000	2.281

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL3.D
Report Date: 14-Dec-2010 08:02

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
97 Styrene	104	16.690	16.690	(1.038)	76433	2.00000	2.216(H)
96 Bromoform	173	16.519	16.519	(1.027)	11365	2.00000	3.144
103 Isopropylbenzene	105	17.024	17.024	(1.059)	93132	2.00000	2.215
$ 104 Bromofluorobenzene	95	17.055	17.055	(1.061)	678933	30.0000	30.52
98 1,1,2,2-Tetrachloroethane	83	16.757	16.757	(0.928)	27951	2.00000	2.113
84 1,3-Dichloropropane	76	14.852	14.852	(0.924)	32680	2.00000	2.135
100 1,2,3-Trichloropropane	110	16.860	16.860	(1.048)	8431	2.00000	2.212
108 n-Propylbenzene	91	17.359	17.359	(0.961)	122951	2.00000	2.142
113 1,3,5-Trimethylbenzene	105	17.566	17.566	(0.972)	89464	2.00000	2.088
111 1,2,4-Trimethylbenzene	105	17.870	17.870	(0.989)	95170	2.00000	2.142
114 sec-Butylbenzene	105	17.955	17.955	(0.994)	102651	2.00000	2.162
112 tert-Butylbenzene	119	18.083	18.083	(1.001)	76203	2.00000	2.054
115 1,3-Dichlorobenzene	146	18.040	18.040	(0.999)	51508	2.00000	2.113
* 117 1,4-Dichlorobenzene-d4	152	18.065	18.065	(1.000)	733426	30.0000	
118 1,4-Dichlorobenzene	146	18.089	18.089	(1.001)	55874	2.00000	2.176
121 n-Butylbenzene	91	18.405	18.405	(1.019)	76948	2.00000	2.069
120 1,2-Dichlorobenzene	146	18.381	18.381	(1.018)	51514	2.00000	2.111
122 1,2-Dibromo-3-chloropropane	157	18.758	18.758	(1.038)	4343	2.00000	2.871
105 Bromobenzene	156	17.225	17.225	(0.954)	30892	2.00000	2.037
109 2-Chlorotoluene	91	17.444	17.444	(0.966)	83827	2.00000	2.090
110 4-Chlorotoluene	91	17.499	17.499	(0.969)	88107	2.00000	2.191
123 1,2,4-Trichlorobenzene	180	20.011	20.011	(1.108)	32977	2.00000	2.043
124 Naphthalene	128	20.279	20.279	(1.123)	76312	2.00000	2.056
119 p-Isopropyltoluene	119	17.791	17.791	(0.985)	68975	2.00000	2.065
125 Hexachlorobutadiene	225	20.322	20.322	(1.125)	13421	2.00000	1.881
126 1,2,3-Trichlorobenzene	180	20.516	20.516	(1.136)	28815	2.00000	2.028

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.


Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL3.D
Date : 13-DEC-2010 17:18
Client ID: SSEQ-CAL3EQ-CAL3
Sample Info: SEQ-CAL3
Purge Volume: 5.0
Column phase: RTX-VRX
Instrument: voa3.i
Operator: adm
Column diameter: 0.25
\\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL3.D
Y (x10^6)
Min
-Dibromofluoromethane (10.114)+
-1,2-Dichloroethane-d4 (11.124)
-Fluorobenzene (12.468)+
-Toluene-d8 (14.713)
Chlorobenzene-d5 (16.082)+
Bromofluorobenzene (17.055)+
1,4-Dichlorobenzene-d4 (18.065)+

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL4.D
Report Date: 14-Dec-2010 08:02

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL4.D
Lab Smp Id: SEQ-CAL4 Client Smp ID: SEQ-CAL4
Inj Date : 13-DEC-2010 17:48 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-CAL4
Misc Info : ;1;;;4;gmall-k.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:02 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-k.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

12/14/10

12-15-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.468	12.468	(1.000)	1238616	30.0000	
1 Dichlorodifluoromethane	85	3.525	3.525	(0.283)	41761	5.00000	4.916
2 Chloromethane	50	3.732	3.732	(0.299)	47415	5.00000	5.146
4 Vinyl chloride	62	3.932	3.932	(0.315)	41730	5.00000	5.292
7 Bromomethane	94	4.389	4.389	(0.352)	24302	5.00000	5.393
8 Chloroethane	64	4.559	4.559	(0.366)	23320	5.00000	4.783
11 Trichlorofluoromethane	101	5.271	5.271	(0.423)	74116	5.00000	4.901
15 t-Butyl alcohol	59	6.025	6.025	(0.483)	22703	25.0000	24.75
16 tert-Amyl alcohol	59	10.989	10.989	(0.881)	12689	25.0000	20.94
26 Trichlorotrifluoroethane	101	6.354	6.354	(0.510)	39418	5.00000	5.054
10 Acrolein	56	5.222	5.222	(0.419)	36485	25.0000	23.02
22 1,1-Dichloroethene	96	6.031	6.031	(0.484)	36879	5.00000	4.831
23 Iodomethane	142	6.074	6.074	(0.487)	49921	5.00000	4.998(a)
29 Carbon disulfide	76	6.603	6.603	(0.530)	128690	5.00000	5.011
25 Methylene chloride	84	6.244	6.244	(0.501)	49330	5.00000	4.962
24 Acrylonitrile	53	6.062	6.062	(0.486)	82832	25.0000	24.58

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL4.D
Report Date: 14-Dec-2010 08:02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	32 trans-1,2-Dichloroethene	96	7.406	7.406	(0.594)	44126	5.00000	4.986
	33 MTBE	73	7.662	7.662	(0.615)	120827	5.00000	4.770
	34 1,1-Dichloroethane	63	7.905	7.905	(0.634)	80086	5.00000	4.886
	37 Vinyl acetate	43	8.203	8.203	(0.658)	116530	10.0000	9.945
	45 Di-isopropyl ether	45	9.043	9.043	(0.725)	173139	5.00000	4.919
	46 cis-1,2-Dichloroethene	96	9.268	9.268	(0.743)	47685	5.00000	4.974
M	30 1,2-Dichloroethene(total)	96				91811	10.0000	9.960
	48 Bromochloromethane	128	9.633	9.633	(0.773)	22322	5.00000	4.751
	53 Tetrahydrofuran	42	10.643	10.643	(0.854)	13649	5.00000	5.368
	49 Chloroform	83	9.797	9.797	(0.786)	85986	5.00000	4.964
	27 Methyl acetate	43	6.287	6.287	(0.504)	33344	5.00000	4.864
$	51 Dibromofluoromethane	111	10.113	10.113	(0.811)	323572	30.0000	30.09
	56 1,1,1-Trichloroethane	97	11.476	11.476	(0.920)	70718	5.00000	4.623
	58 ETBE	59	10.119	10.119	(0.812)	154053	5.00000	4.883
	59 Cyclohexane	56	11.969	11.969	(0.960)	73136	5.00000	5.003
	60 Carbon tetrachloride	117	12.072	12.072	(0.968)	58784	5.00000	4.788
$	54 1,2-Dichloroethane-d4	102	11.117	11.117	(0.892)	70211	30.0000	30.79
	61 Benzene	78	12.109	12.109	(0.971)	181100	5.00000	5.046
	55 1,2-Dichloroethane	62	11.281	11.281	(0.905)	72592	5.00000	4.859
	50 2,2-Dichloropropane	77	10.034	10.034	(0.805)	71796	5.00000	4.969
	57 1,1-Dichloropropene	75	11.823	11.823	(0.948)	61797	5.00000	4.834
	63 tert-Amyl Methyl Ether	73	12.462	12.462	(1.000)	150311	5.00000	5.108
	73 tert-Amyl Ethyl Ether	59	13.636	13.636	(1.094)	143412	5.00000	5.076
	67 Trichloroethene	95	13.082	13.082	(1.049)	50848	5.00000	4.786
	66 1,2-Dichloropropane	63	13.003	13.003	(1.043)	48259	5.00000	4.923
	65 Dibromomethane	93	12.936	12.936	(1.038)	31149	5.00000	4.794
	70 Methyl methacrylate	41	13.392	13.392	(1.074)	40986	5.00000	4.549
	68 Bromodichloromethane	83	13.119	13.119	(1.052)	60655	5.00000	4.770
	71 2-Chloroethyl vinyl ether	63	13.709	13.709	(1.100)	66263	10.0000	10.00
	76 cis-1,3-Dichloropropene	75	13.952	13.952	(1.119)	77855	5.00000	4.853
$	81 Toluene-d8	98	14.713	14.713	(0.915)	1391115	30.0000	29.78
	83 Toluene	92	14.792	14.792	(0.920)	135183	5.00000	5.010
	78 trans-1,3-Dichloropropene	75	14.445	14.445	(0.898)	71040	5.00000	4.872
	85 Ethyl methacrylate	69	14.919	14.919	(0.928)	63360	5.00000	4.944
	80 1,1,2-Trichloroethane	83	14.597	14.597	(0.908)	39408	5.00000	4.957
	89 Tetrachloroethene	166	15.516	15.516	(0.965)	56973	5.00000	5.151
	87 Dibromochloromethane	129	15.090	15.090	(0.938)	41234	5.00000	4.270
	88 1,2-Dibromoethane	107	15.333	15.333	(0.953)	49379	5.00000	4.594
	74 Methyl cyclohexane	83	13.745	13.745	(1.102)	57201	5.00000	4.707
*	92 Chlorobenzene-d5	82	16.081	16.081	(1.000)	684125	30.0000	
	93 Chlorobenzene	112	16.112	16.112	(1.002)	153633	5.00000	5.004
	90 1,1,1,2-Tetrachloroethane	131	16.051	16.051	(0.998)	45166	5.00000	4.739
	91 1-Chlorohexane	91	16.069	16.069	(0.999)	133051	5.00000	5.181
	94 Ethylbenzene	91	16.276	16.276	(1.012)	263632	5.00000	5.191
	95 m,p-Xylene	91	16.428	16.428	(1.022)	428693	10.0000	10.31
M	107 Xylene(total)	91				654321	15.0000	15.56
	99 o-Xylene	91	16.744	16.744	(1.041)	225628	5.00000	5.246

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL4.D
Report Date: 14-Dec-2010 08:02

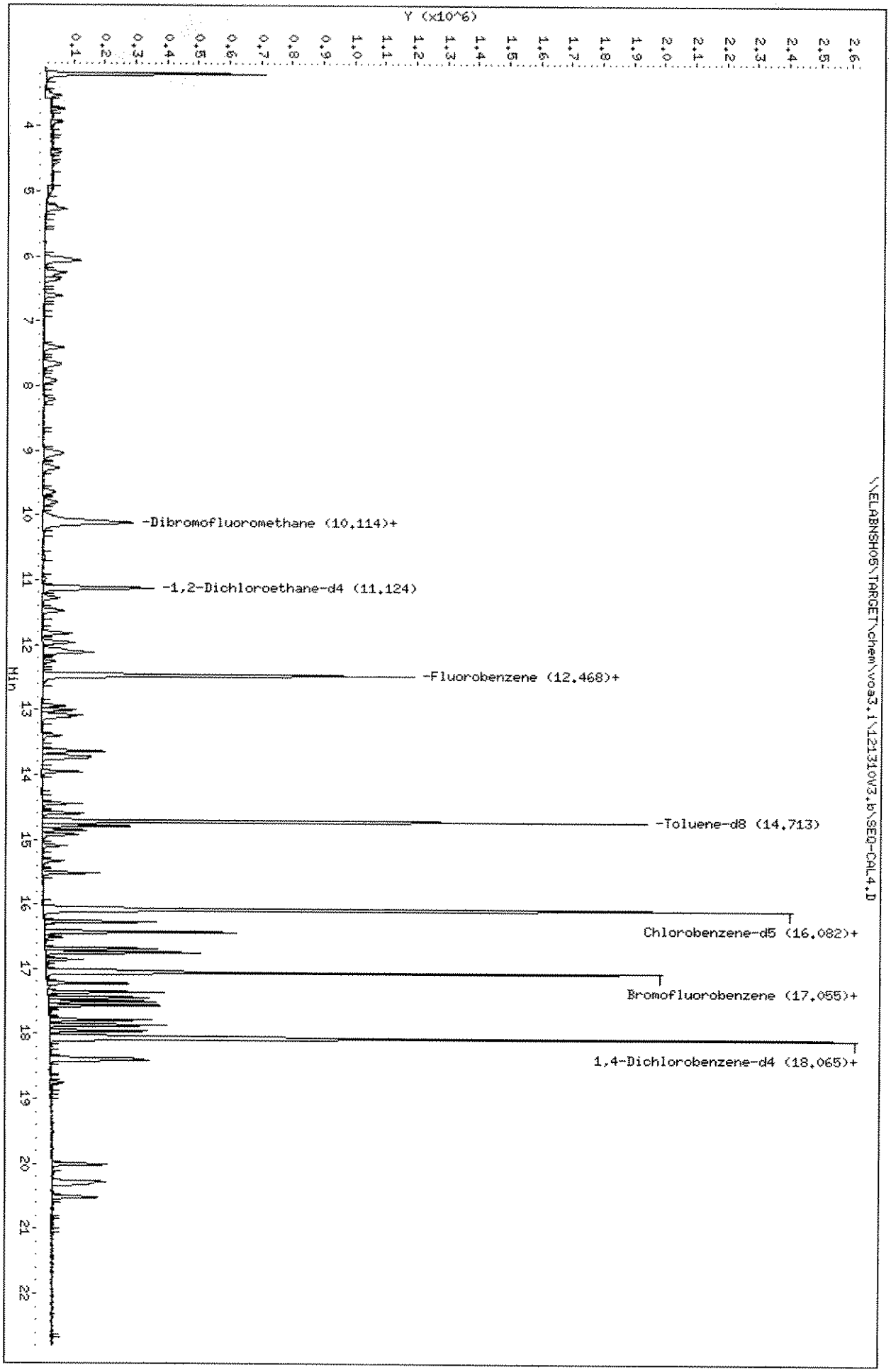
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
97 Styrene	104	16.684	16.684	(1.037)	176031	5.00000	5.082
96 Bromoform	173	16.513	16.513	(1.027)	27558	5.00000	5.068
103 Isopropylbenzene	105	17.024	17.024	(1.059)	215240	5.00000	5.097
$ 104 Bromofluorobenzene	95	17.055	17.055	(1.061)	666642	30.0000	29.84
98 1,1,2,2-Tetrachloroethane	83	16.751	16.751	(0.927)	64030	5.00000	4.934
84 1,3-Dichloropropane	76	14.852	14.852	(0.924)	80015	5.00000	5.204
100 1,2,3-Trichloropropane	110	16.860	16.860	(1.048)	18294	5.00000	4.779
108 n-Propylbenzene	91	17.359	17.359	(0.961)	297191	5.00000	5.276
113 1,3,5-Trimethylbenzene	105	17.566	17.566	(0.972)	215047	5.00000	5.115
111 1,2,4-Trimethylbenzene	105	17.864	17.864	(0.989)	221978	5.00000	5.092
114 sec-Butylbenzene	105	17.955	17.955	(0.994)	230586	5.00000	4.950
112 tert-Butylbenzene	119	18.083	18.083	(1.001)	187256	5.00000	5.144
115 1,3-Dichlorobenzene	146	18.034	18.034	(0.998)	119669	5.00000	5.003
* 117 1,4-Dichlorobenzene-d4	152	18.065	18.065	(1.000)	719633	30.0000	
118 1,4-Dichlorobenzene	146	18.083	18.083	(1.001)	129019	5.00000	5.120
121 n-Butylbenzene	91	18.411	18.411	(1.019)	182626	5.00000	5.004
120 1,2-Dichlorobenzene	146	18.381	18.381	(1.018)	120187	5.00000	5.020
122 1,2-Dibromo-3-chloropropane	157	18.758	18.758	(1.038)	11505	5.00000	5.084
105 Bromobenzene	156	17.225	17.225	(0.954)	74818	5.00000	5.028
109 2-Chlorotoluene	91	17.444	17.444	(0.966)	201183	5.00000	5.112
110 4-Chlorotoluene	91	17.499	17.499	(0.969)	202004	5.00000	5.120
123 1,2,4-Trichlorobenzene	180	20.011	20.011	(1.108)	72583	5.00000	4.584
124 Naphthalene	128	20.273	20.273	(1.122)	171811	5.00000	4.718
119 p-Isopropyltoluene	119	17.785	17.785	(0.985)	162039	5.00000	4.944
125 Hexachlorobutadiene	225	20.316	20.316	(1.125)	33046	5.00000	4.720
126 1,2,3-Trichlorobenzene	180	20.516	20.516	(1.136)	67630	5.00000	4.850

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL4.D
Date : 13-DEC-2010 17:48
Client ID: SEQ-CAL4
Sample Info: SEQ-CAL4
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa3.i
Operator: adm
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL5.D
Report Date: 14-Dec-2010 08:03

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL5.D
Lab Smp Id: SEQ-CAL5 Client Smp ID: SEQ-CAL5
Inj Date : 13-DEC-2010 18:18 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-CAL5
Misc Info : ;1;;;5;gmall-k.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:02 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-k.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

MJ 4/4/10

12-15-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.468	12.468	(1.000)	1247517	30.0000	
1 Dichlorodifluoromethane	85	3.525	3.525	(0.283)	89236	10.0000	10.07
2 Chloromethane	50	3.732	3.732	(0.299)	96074	10.0000	10.35
4 Vinyl chloride	62	3.932	3.932	(0.315)	83057	10.0000	10.46
7 Bromomethane	94	4.389	4.389	(0.352)	52307	10.0000	10.08
8 Chloroethane	64	4.559	4.559	(0.366)	45914	10.0000	9.349
11 Trichlorofluoromethane	101	5.271	5.271	(0.423)	153798	10.0000	10.10
15 t-Butyl alcohol	59	6.025	6.025	(0.483)	47436	50.0000	51.34
16 tert-Amyl alcohol	59	10.983	10.983	(0.881)	30270	50.0000	49.59
26 Trichlorotrifluoroethane	101	6.348	6.348	(0.509)	81167	10.0000	10.33
10 Acrolein	56	5.222	5.222	(0.419)	77446	50.0000	48.51
22 1,1-Dichloroethene	96	6.031	6.031	(0.484)	76230	10.0000	9.915
23 Iodomethane	142	6.074	6.074	(0.487)	109225	10.0000	9.885
29 Carbon disulfide	76	6.609	6.609	(0.530)	254004	10.0000	9.820
25 Methylene chloride	84	6.244	6.244	(0.501)	97683	10.0000	9.756
24 Acrylonitrile	53	6.068	6.068	(0.487)	179294	50.0000	52.83

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL5.D
Report Date: 14-Dec-2010 08:03

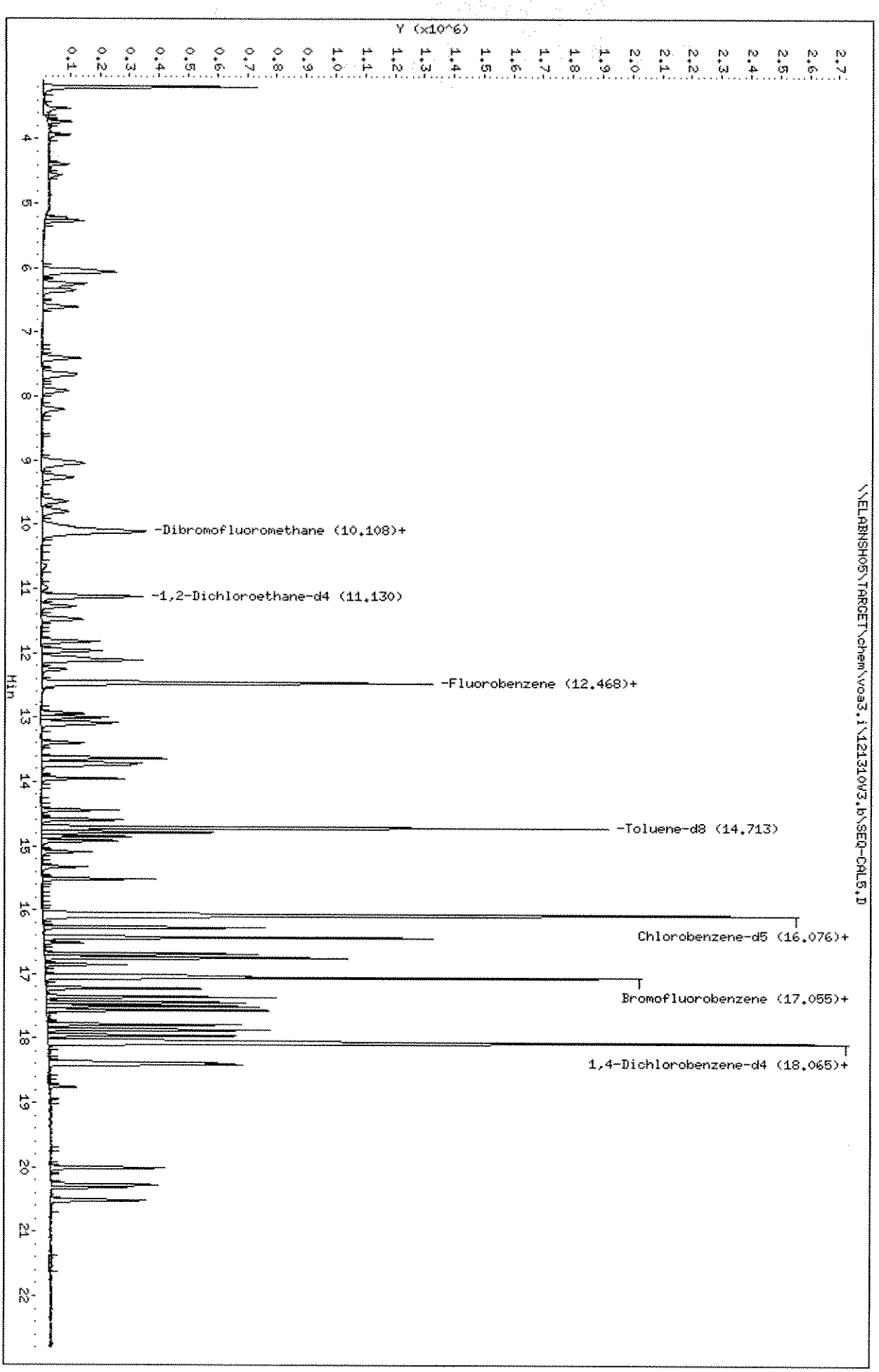
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	32 trans-1,2-Dichloroethene	96	7.406	7.406	(0.594)	82848	10.0000	9.294
	33 MTBE	73	7.662	7.662	(0.615)	262486	10.0000	10.29
	34 1,1-Dichloroethane	63	7.905	7.905	(0.634)	169172	10.0000	10.25
	37 Vinyl acetate	43	8.209	8.209	(0.658)	241203	20.0000	20.44
	45 Di-isopropyl ether	45	9.049	9.049	(0.726)	365367	10.0000	10.31
	46 cis-1,2-Dichloroethene	96	9.256	9.256	(0.742)	103261	10.0000	10.69
M	30 1,2-Dichloroethene(total)	96				186109	20.0000	19.99
	48 Bromochloromethane	128	9.639	9.639	(0.773)	48482	10.0000	10.24
	53 Tetrahydrofuran	42	10.649	10.649	(0.854)	25966	10.0000	10.14
	49 Chloroform	83	9.797	9.797	(0.786)	178694	10.0000	10.24
	27 Methyl acetate	43	6.287	6.287	(0.504)	79621	10.0000	11.53
$	51 Dibromofluoromethane	111	10.107	10.107	(0.811)	322297	30.0000	29.76
	56 1,1,1-Trichloroethane	97	11.476	11.476	(0.920)	152148	10.0000	9.876
	58 ETBE	59	10.138	10.138	(0.813)	325824	10.0000	10.25
	59 Cyclohexane	56	11.963	11.963	(0.960)	148450	10.0000	10.08
	60 Carbon tetrachloride	117	12.078	12.078	(0.969)	120351	10.0000	9.732
$	54 1,2-Dichloroethane-d4	102	11.129	11.129	(0.893)	67759	30.0000	29.50
	61 Benzene	78	12.109	12.109	(0.971)	375332	10.0000	10.38
	55 1,2-Dichloroethane	62	11.275	11.275	(0.904)	152186	10.0000	10.11
	50 2,2-Dichloropropane	77	10.028	10.028	(0.804)	144245	10.0000	9.912
	57 1,1-Dichloropropene	75	11.823	11.823	(0.948)	130050	10.0000	10.10
	63 tert-Amyl Methyl Ether	73	12.462	12.462	(1.000)	297014	10.0000	10.02
	73 tert-Amyl Ethyl Ether	59	13.636	13.636	(1.094)	306903	10.0000	10.79
	67 Trichloroethene	95	13.076	13.076	(1.049)	103736	10.0000	9.694
	66 1,2-Dichloropropane	63	12.997	12.997	(1.042)	101930	10.0000	10.32
	65 Dibromomethane	93	12.942	12.942	(1.038)	68091	10.0000	10.40
	70 Methyl methacrylate	41	13.392	13.392	(1.074)	97342	10.0000	10.73
	68 Bromodichloromethane	83	13.119	13.119	(1.052)	122827	10.0000	9.592
	71 2-Chloroethyl vinyl ether	63	13.709	13.709	(1.100)	145388	20.0000	21.79
	76 cis-1,3-Dichloropropene	75	13.952	13.952	(1.119)	165463	10.0000	10.24
$	81 Toluene-d8	98	14.712	14.712	(0.915)	1371655	30.0000	29.76
	83 Toluene	92	14.792	14.792	(0.920)	278542	10.0000	10.46
	78 trans-1,3-Dichloropropene	75	14.445	14.445	(0.898)	147911	10.0000	10.28
	85 Ethyl methacrylate	69	14.919	14.919	(0.928)	136757	10.0000	10.82
	80 1,1,2-Trichloroethane	83	14.597	14.597	(0.908)	80804	10.0000	10.30
	89 Tetrachloroethene	166	15.516	15.516	(0.965)	114762	10.0000	10.52
	87 Dibromochloromethane	129	15.096	15.096	(0.939)	92830	10.0000	9.746
	88 1,2-Dibromoethane	107	15.327	15.327	(0.953)	108161	10.0000	10.20
	74 Methyl cyclohexane	83	13.739	13.739	(1.102)	122818	10.0000	10.04
*	92 Chlorobenzene-d5	82	16.081	16.081	(1.000)	674857	30.0000	
	93 Chlorobenzene	112	16.112	16.112	(1.002)	320338	10.0000	10.58
	90 1,1,1,2-Tetrachloroethane	131	16.051	16.051	(0.998)	95904	10.0000	10.20
	91 1-Chlorohexane	91	16.069	16.069	(0.999)	270259	10.0000	10.67
	94 Ethylbenzene	91	16.270	16.270	(1.012)	548956	10.0000	10.96
	95 m,p-Xylene	91	16.428	16.428	(1.022)	888385	20.0000	21.66
M	107 Xylene(total)	91				1349056	30.0000	32.52
	99 o-Xylene	91	16.744	16.744	(1.041)	460671	10.0000	10.86

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL5.D
Report Date: 14-Dec-2010 08:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
97 Styrene	104	16.690	16.690	(1.038)	359322	10.0000	10.52
96 Bromoform	173	16.513	16.513	(1.027)	61540	10.0000	9.216
103 Isopropylbenzene	105	17.024	17.024	(1.059)	449494	10.0000	10.79
$ 104 Bromofluorobenzene	95	17.055	17.055	(1.061)	675247	30.0000	30.64
98 1,1,2,2-Tetrachloroethane	83	16.750	16.750	(0.927)	137823	10.0000	10.70
84 1,3-Dichloropropane	76	14.852	14.852	(0.924)	167735	10.0000	11.06
100 1,2,3-Trichloropropane	110	16.860	16.860	(1.048)	40015	10.0000	10.60
108 n-Propylbenzene	91	17.359	17.359	(0.961)	597300	10.0000	10.68
113 1,3,5-Trimethylbenzene	105	17.566	17.566	(0.972)	441725	10.0000	10.59
111 1,2,4-Trimethylbenzene	105	17.870	17.870	(0.989)	459374	10.0000	10.62
114 sec-Butylbenzene	105	17.955	17.955	(0.994)	481978	10.0000	10.42
112 tert-Butylbenzene	119	18.083	18.083	(1.001)	369685	10.0000	10.23
115 1,3-Dichlorobenzene	146	18.034	18.034	(0.998)	247668	10.0000	10.43
* 117 1,4-Dichlorobenzene-d4	152	18.065	18.065	(1.000)	714263	30.0000	
118 1,4-Dichlorobenzene	146	18.083	18.083	(1.001)	257257	10.0000	10.28
121 n-Butylbenzene	91	18.411	18.411	(1.019)	379432	10.0000	10.47
120 1,2-Dichlorobenzene	146	18.381	18.381	(1.018)	249826	10.0000	10.51
122 1,2-Dibromo-3-chloropropane	157	18.758	18.758	(1.038)	26504	10.0000	9.726
105 Bromobenzene	156	17.225	17.225	(0.954)	150612	10.0000	10.20
109 2-Chlorotoluene	91	17.444	17.444	(0.966)	414036	10.0000	10.60
110 4-Chlorotoluene	91	17.499	17.499	(0.969)	411282	10.0000	10.50
123 1,2,4-Trichlorobenzene	180	20.011	20.011	(1.108)	159614	10.0000	10.16
124 Naphthalene	128	20.273	20.273	(1.122)	374198	10.0000	10.35
119 p-Isopropyltoluene	119	17.791	17.791	(0.985)	334292	10.0000	10.28
125 Hexachlorobutadiene	225	20.315	20.315	(1.125)	67193	10.0000	9.670
126 1,2,3-Trichlorobenzene	180	20.516	20.516	(1.136)	137610	10.0000	9.942

Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL5.D
Date : 13-DEC-2010 18:18
Client ID: SEQ-CAL5
Sample Info: SEQ-CAL5
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa3.i
Operator: adm
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL6.D
Report Date: 14-Dec-2010 08:03

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL6.D
Lab Smp Id: SEQ-CAL6 Client Smp ID: SEQ-CAL6
Inj Date : 13-DEC-2010 18:47 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-CAL6
Misc Info : ;1;;;6;gmall-k.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:03 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-k.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

M 4/14/10

12-15-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.468	12.468	(1.000)	1210264	30.0000	
1 Dichlorodifluoromethane	85	3.519	3.519	(0.282)	427565	50.0000	48.47
2 Chloromethane	50	3.726	3.726	(0.299)	462449	50.0000	51.36
4 Vinyl chloride	62	3.932	3.932	(0.315)	398884	50.0000	51.77
7 Bromomethane	94	4.389	4.389	(0.352)	264882	50.0000	47.25
8 Chloroethane	64	4.553	4.553	(0.365)	211364	50.0000	44.36
11 Trichlorofluoromethane	101	5.265	5.265	(0.422)	742987	50.0000	50.28
15 t-Butyl alcohol	59	6.019	6.019	(0.483)	211697	250.000	236.2
16 tert-Amyl alcohol	59	10.971	10.971	(0.880)	134137	250.000	226.5(M)
26 Trichlorotrifluoroethane	101	6.348	6.348	(0.509)	392529	50.0000	51.51
10 Acrolein	56	5.222	5.222	(0.419)	371171	250.000	239.6
22 1,1-Dichloroethene	96	6.025	6.025	(0.483)	355178	50.0000	47.62
23 Iodomethane	142	6.074	6.074	(0.487)	548529	50.0000	47.70
29 Carbon disulfide	76	6.603	6.603	(0.530)	1248927	50.0000	49.77
25 Methylene chloride	84	6.238	6.238	(0.500)	447563	50.0000	46.08
24 Acrylonitrile	53	6.062	6.062	(0.486)	811746	250.000	246.5

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL6.D
Report Date: 14-Dec-2010 08:03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	32 trans-1,2-Dichloroethene	96	7.394	7.394	(0.593)	426095	50.0000	49.27
	33 MTBE	73	7.656	7.656	(0.614)	1206705	50.0000	48.75
	34 1,1-Dichloroethane	63	7.905	7.905	(0.634)	808079	50.0000	50.45
	37 Vinyl acetate	43	8.191	8.191	(0.657)	1160444	100.000	101.4
	45 Di-isopropyl ether	45	9.037	9.037	(0.725)	1693124	50.0000	49.23
	46 cis-1,2-Dichloroethene	96	9.262	9.262	(0.743)	450427	50.0000	48.08
M	30 1,2-Dichloroethene(total)	96				876522	100.000	97.36
	48 Bromochloromethane	128	9.639	9.639	(0.773)	230220	50.0000	50.15
	53 Tetrahydrofuran	42	10.630	10.630	(0.853)	115732	50.0000	46.58
	49 Chloroform	83	9.797	9.797	(0.786)	810884	50.0000	47.90
	27 Methyl acetate	43	6.281	6.281	(0.504)	326118	50.0000	48.69
$	51 Dibromofluoromethane	111	10.095	10.095	(0.810)	320424	30.0000	30.50(M)
	56 1,1,1-Trichloroethane	97	11.470	11.470	(0.920)	755018	50.0000	50.52
	58 ETBE	59	10.119	10.119	(0.812)	1486883	50.0000	48.23
	59 Cyclohexane	56	11.963	11.963	(0.960)	741046	50.0000	51.88
	60 Carbon tetrachloride	117	12.072	12.072	(0.968)	623573	50.0000	51.98
$	54 1,2-Dichloroethane-d4	102	11.129	11.129	(0.893)	66122	30.0000	29.68
	61 Benzene	78	12.115	12.115	(0.972)	1717787	50.0000	48.98
	55 1,2-Dichloroethane	62	11.269	11.269	(0.904)	726875	50.0000	49.79
	50 2,2-Dichloropropane	77	10.028	10.028	(0.804)	685459	50.0000	48.55
	57 1,1-Dichloropropene	75	11.823	11.823	(0.948)	619542	50.0000	49.60
	63 tert-Amyl Methyl Ether	73	12.462	12.462	(1.000)	1334279	50.0000	46.40
	73 tert-Amyl Ethyl Ether	59	13.636	13.636	(1.094)	1368011	50.0000	49.56
	67 Trichloroethene	95	13.076	13.076	(1.049)	489532	50.0000	47.15
	66 1,2-Dichloropropane	63	12.997	12.997	(1.042)	477852	50.0000	49.88
	65 Dibromomethane	93	12.936	12.936	(1.038)	309544	50.0000	48.76
	70 Methyl methacrylate	41	13.392	13.392	(1.074)	469049	50.0000	53.28
	68 Bromodichloromethane	83	13.113	13.113	(1.052)	633724	50.0000	51.01
	71 2-Chloroethyl vinyl ether	63	13.709	13.709	(1.100)	657318	100.000	101.5
	76 cis-1,3-Dichloropropene	75	13.952	13.952	(1.119)	811393	50.0000	51.76
$	81 Toluene-d8	98	14.712	14.712	(0.915)	1367319	30.0000	30.95
	83 Toluene	92	14.792	14.792	(0.920)	1282464	50.0000	50.26
	78 trans-1,3-Dichloropropene	75	14.439	14.439	(0.898)	717049	50.0000	52.00
	85 Ethyl methacrylate	69	14.919	14.919	(0.928)	639444	50.0000	52.77
	80 1,1,2-Trichloroethane	83	14.591	14.591	(0.907)	372696	50.0000	49.58
	89 Tetrachloroethene	166	15.516	15.516	(0.965)	517603	50.0000	49.49
	87 Dibromochloromethane	129	15.096	15.096	(0.939)	505884	50.0000	55.40
	88 1,2-Dibromoethane	107	15.327	15.327	(0.953)	519827	50.0000	51.14
	74 Methyl cyclohexane	83	13.745	13.745	(1.102)	600097	50.0000	50.54
*	92 Chlorobenzene-d5	82	16.081	16.081	(1.000)	646944	30.0000	
	93 Chlorobenzene	112	16.106	16.106	(1.002)	1462026	50.0000	50.36
	90 1,1,1,2-Tetrachloroethane	131	16.051	16.051	(0.998)	471313	50.0000	52.29
	91 1-Chlorohexane	91	16.063	16.063	(0.999)	1206547	50.0000	49.68
	94 Ethylbenzene	91	16.270	16.270	(1.012)	2461109	50.0000	51.24
	95 m,p-Xylene	91	16.428	16.428	(1.022)	3746704	100.000	95.31
M	107 Xylene(total)	91				5771276	150.000	145.1
	99 o-Xylene	91	16.744	16.744	(1.041)	2024572	50.0000	49.78

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL6.D
Report Date: 14-Dec-2010 08:03

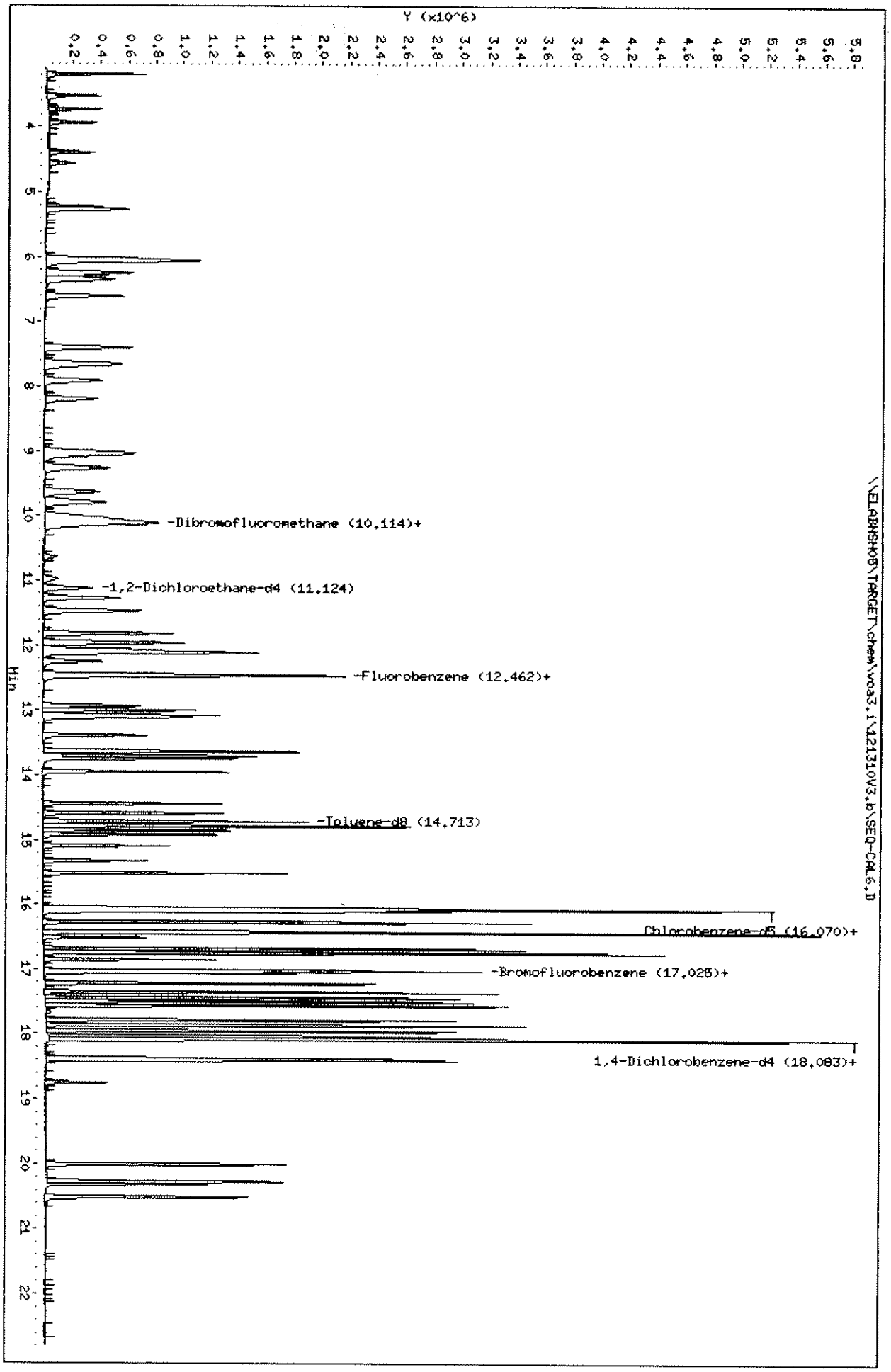
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
97 Styrene	104	16.684	16.684	(1.037)	1690384	50.0000	51.61(H)
96 Bromoform	173	16.513	16.513	(1.027)	344185	50.0000	45.14
103 Isopropylbenzene	105	17.024	17.024	(1.059)	2034434	50.0000	50.94
$ 104 Bromofluorobenzene	95	17.055	17.055	(1.061)	649616	30.0000	30.74
98 1,1,2,2-Tetrachloroethane	83	16.750	16.750	(0.927)	582462	50.0000	48.14
84 1,3-Dichloropropane	76	14.852	14.852	(0.924)	756869	50.0000	52.06
100 1,2,3-Trichloropropane	110	16.854	16.854	(1.048)	182786	50.0000	50.49
108 n-Propylbenzene	91	17.359	17.359	(0.961)	2625420	50.0000	50.00
113 1,3,5-Trimethylbenzene	105	17.560	17.560	(0.972)	1937511	50.0000	49.44
111 1,2,4-Trimethylbenzene	105	17.864	17.864	(0.989)	1988318	50.0000	48.92
114 sec-Butylbenzene	105	17.955	17.955	(0.994)	2163921	50.0000	49.83
112 tert-Butylbenzene	119	18.083	18.083	(1.001)	1682482	50.0000	49.58
115 1,3-Dichlorobenzene	146	18.034	18.034	(0.998)	1105858	50.0000	49.59
* 117 1,4-Dichlorobenzene-d4	152	18.065	18.065	(1.000)	670837	30.0000	
118 1,4-Dichlorobenzene	146	18.083	18.083	(1.001)	1136911	50.0000	48.40
121 n-Butylbenzene	91	18.405	18.405	(1.019)	1683884	50.0000	49.49
120 1,2-Dichlorobenzene	146	18.381	18.381	(1.018)	1080583	50.0000	48.42
122 1,2-Dibromo-3-chloropropane	157	18.758	18.758	(1.038)	132424	50.0000	44.96
105 Bromobenzene	156	17.219	17.219	(0.953)	686245	50.0000	49.47
109 2-Chlorotoluene	91	17.438	17.438	(0.965)	1777790	50.0000	48.46
110 4-Chlorotoluene	91	17.499	17.499	(0.969)	1818705	50.0000	49.45
123 1,2,4-Trichlorobenzene	180	20.005	20.005	(1.107)	714057	50.0000	48.37
124 Naphthalene	128	20.273	20.273	(1.122)	1728438	50.0000	50.92
119 p-Isopropyltoluene	119	17.785	17.785	(0.985)	1503452	50.0000	49.21
125 Hexachlorobutadiene	225	20.315	20.315	(1.125)	330484	50.0000	50.64
126 1,2,3-Trichlorobenzene	180	20.516	20.516	(1.136)	634013	50.0000	48.77

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

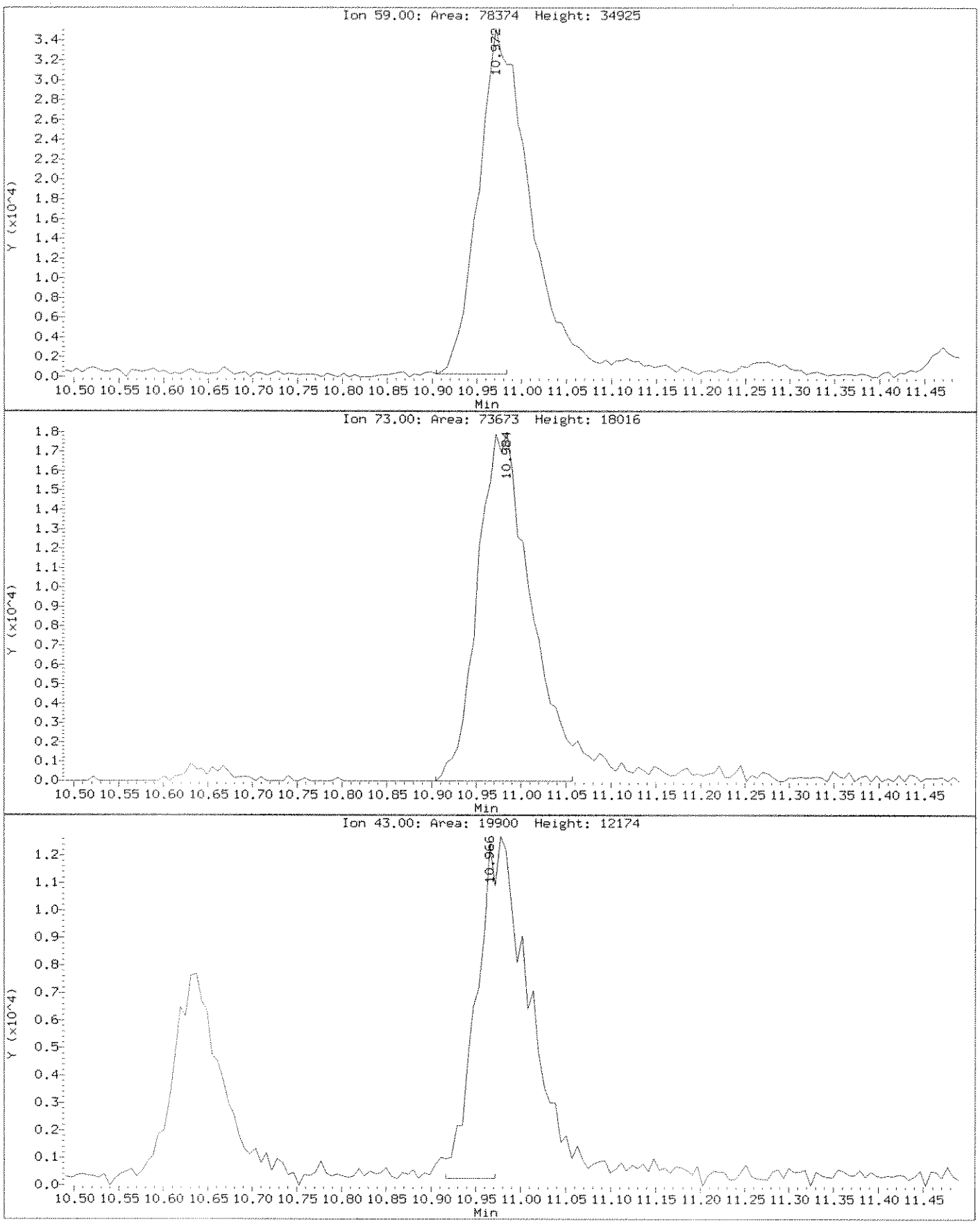
Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL6.D
Date : 13-DEC-2010 18:47
Client ID: SEQ-CAL6
Sample Info: SEQ-CAL6
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa3.i
Operator: adm
Column diameter: 0.25



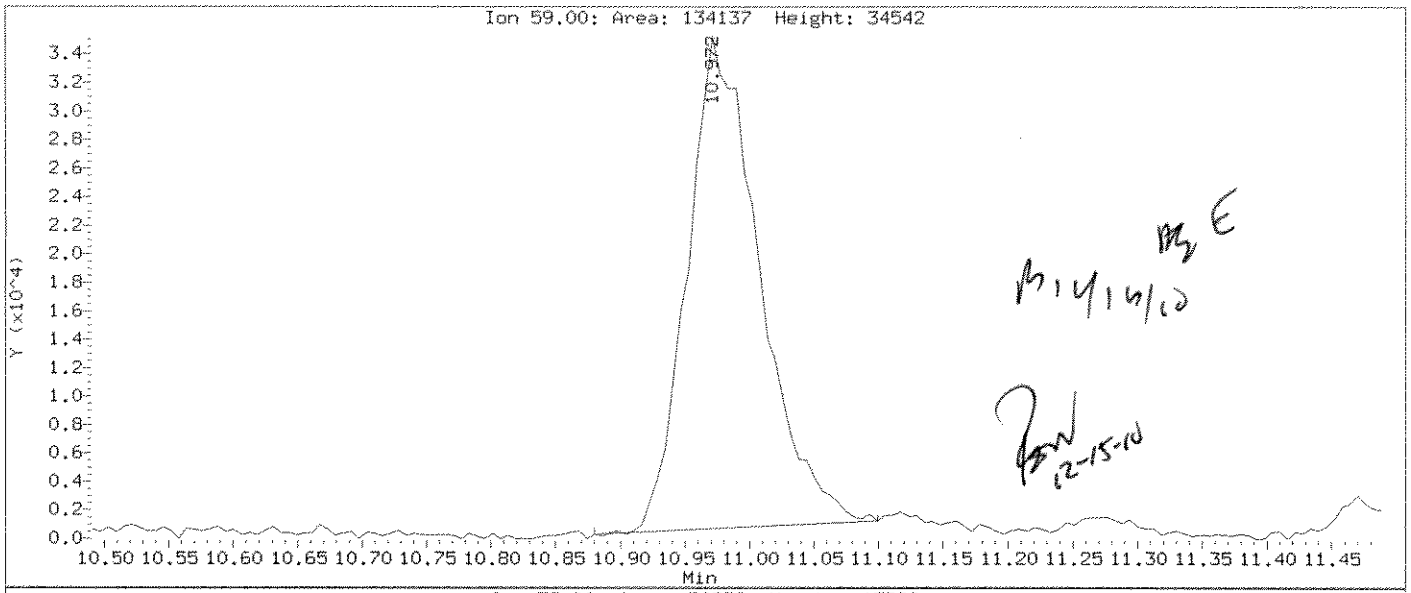
Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL6.D
Injection Date: 13-DEC-2010 18:47
Instrument: voa3.i
Client Sample ID: SEQ-CAL6

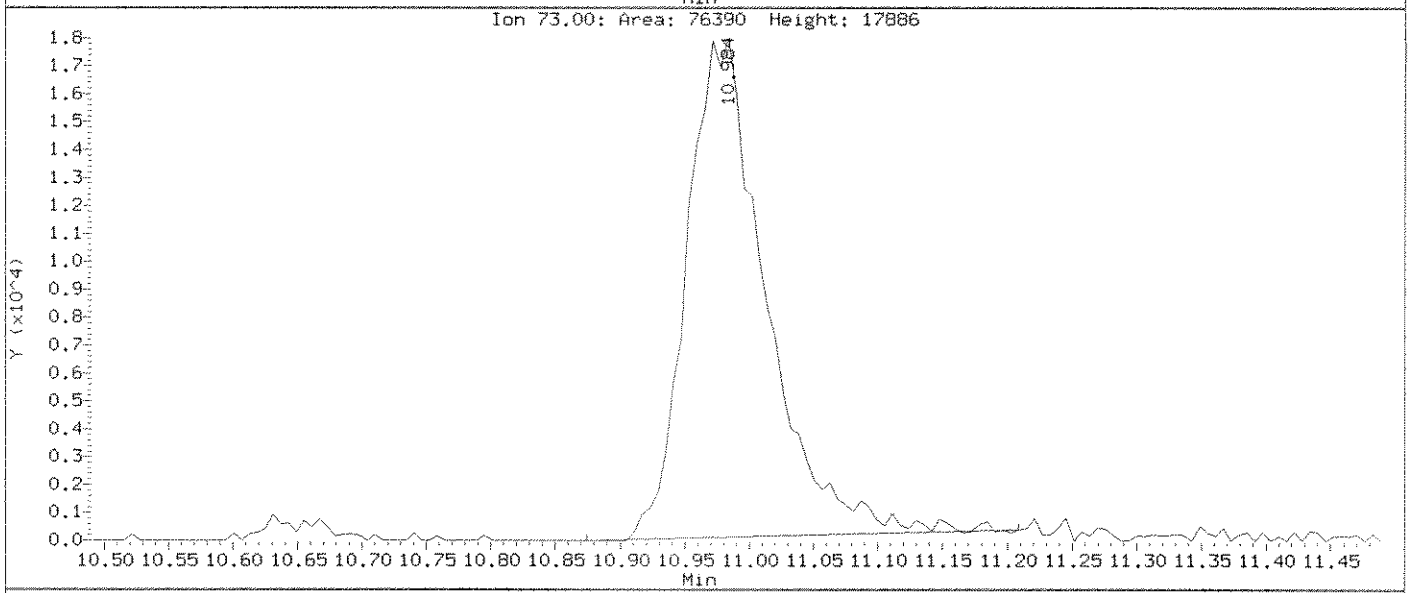
Compound: tert-Amyl alcohol
CAS Number: 75-85-4

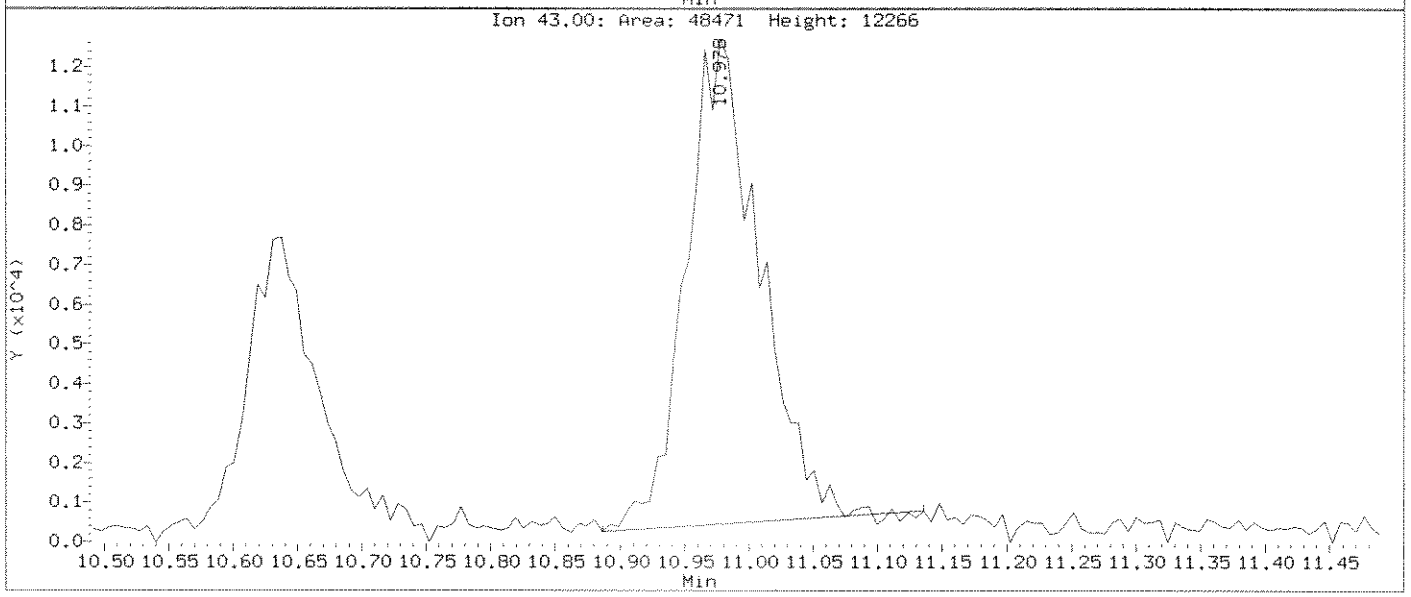


Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL6.D
Injection Date: 13-DEC-2010 18:47
Instrument: voa3.i
Client Sample ID: SEQ-CAL6

Compound: tert-Amyl alcohol
CAS Number: 75-85-4

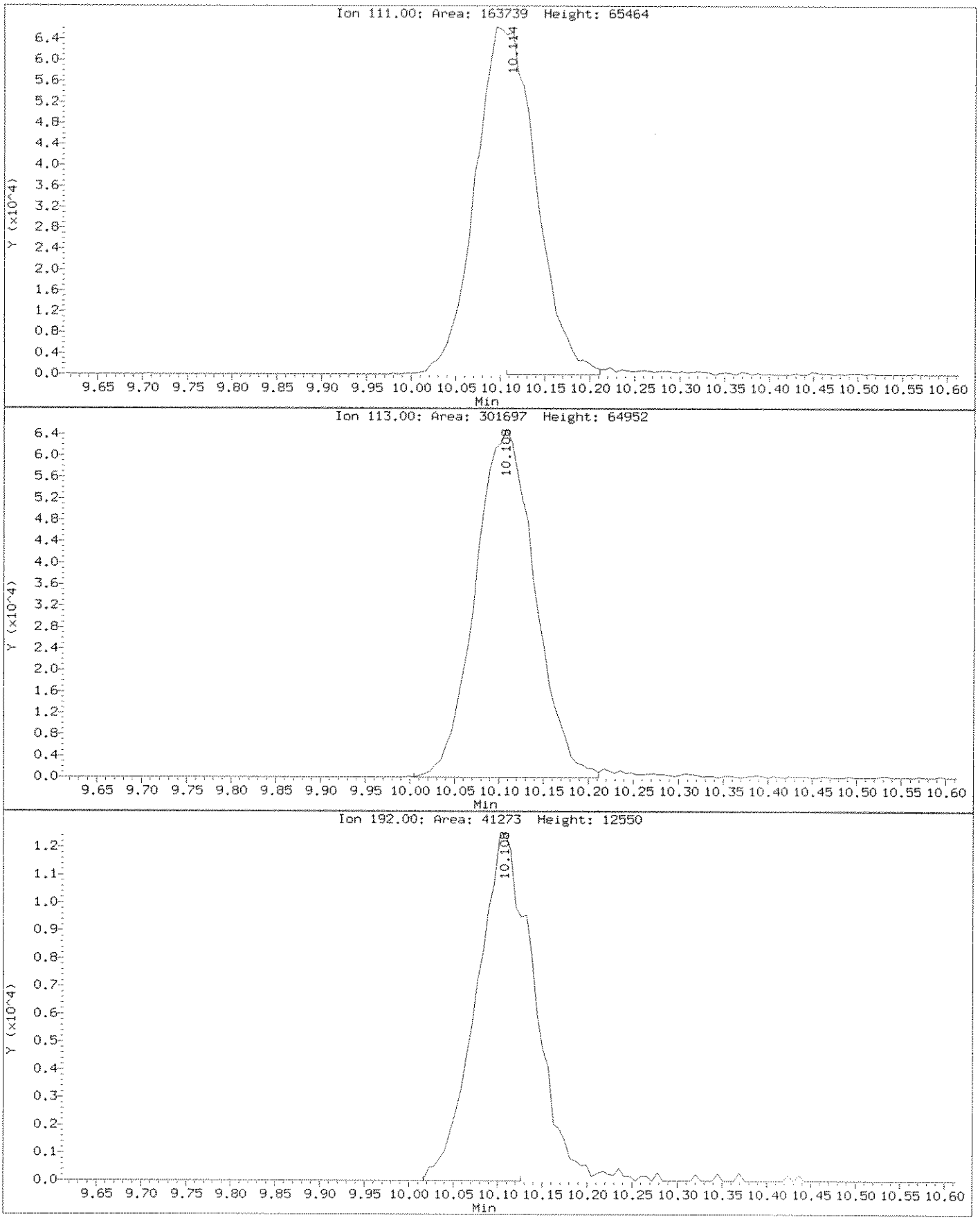






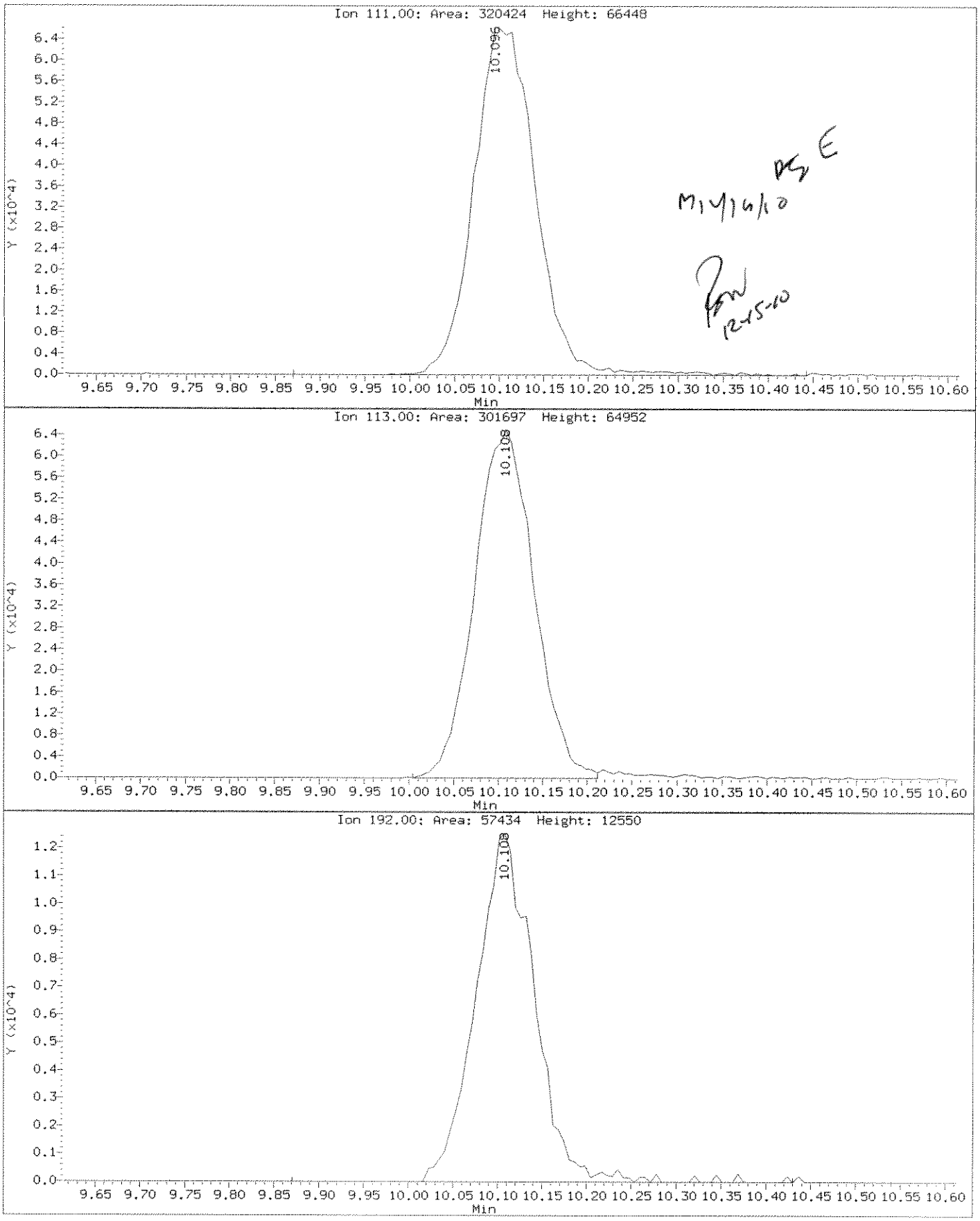
Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL6.D
Injection Date: 13-DEC-2010 18:47
Instrument: voa3.i
Client Sample ID: SEQ-CAL6

Compound: Dibromofluoromethane
CAS Number: 1868-53-7



Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL6.D
Injection Date: 13-DEC-2010 18:47
Instrument: voa3.i
Client Sample ID: SEQ-CAL6

Compound: Dibromofluoromethane
CAS Number: 1868-53-7



MY 12/16/10

12-15-10

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL7.D
Report Date: 14-Dec-2010 08:03

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL7.D
Lab Smp Id: SEQ-CAL7 Client Smp ID: SEQ-CAL7
Inj Date : 13-DEC-2010 19:17 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-CAL7
Misc Info : ;1;;;7;gmall-k.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:03 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-k.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

12-15-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.468	12.468	(1.000)	1211874	30.0000	
1 Dichlorodifluoromethane	85	3.519	3.519	(0.282)	897640	100.000	101.3
2 Chloromethane	50	3.726	3.726	(0.299)	923939	100.000	102.5
4 Vinyl chloride	62	3.933	3.933	(0.315)	801278	100.000	103.8
7 Bromomethane	94	4.395	4.395	(0.353)	551928	100.000	96.94
8 Chloroethane	64	4.553	4.553	(0.365)	450880	100.000	94.51
11 Trichlorofluoromethane	101	5.265	5.265	(0.422)	1508715	100.000	102.0
15 t-Butyl alcohol	59	6.019	6.019	(0.483)	467742	500.000	521.2
16 tert-Amyl alcohol	59	10.977	10.977	(0.880)	321861	500.000	542.8
26 Trichlorotrifluoroethane	101	6.348	6.348	(0.509)	790331	100.000	103.6
10 Acrolein	56	5.222	5.222	(0.419)	773610	500.000	498.8
22 1,1-Dichloroethene	96	6.025	6.025	(0.483)	734110	100.000	98.29
23 Iodomethane	142	6.068	6.068	(0.487)	1160447	100.000	99.86
29 Carbon disulfide	76	6.603	6.603	(0.530)	2692898	100.000	107.2
25 Methylene chloride	84	6.244	6.244	(0.501)	914072	100.000	93.98
24 Acrylonitrile	53	6.062	6.062	(0.486)	1656853	500.000	502.6

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL7.D
Report Date: 14-Dec-2010 08:03

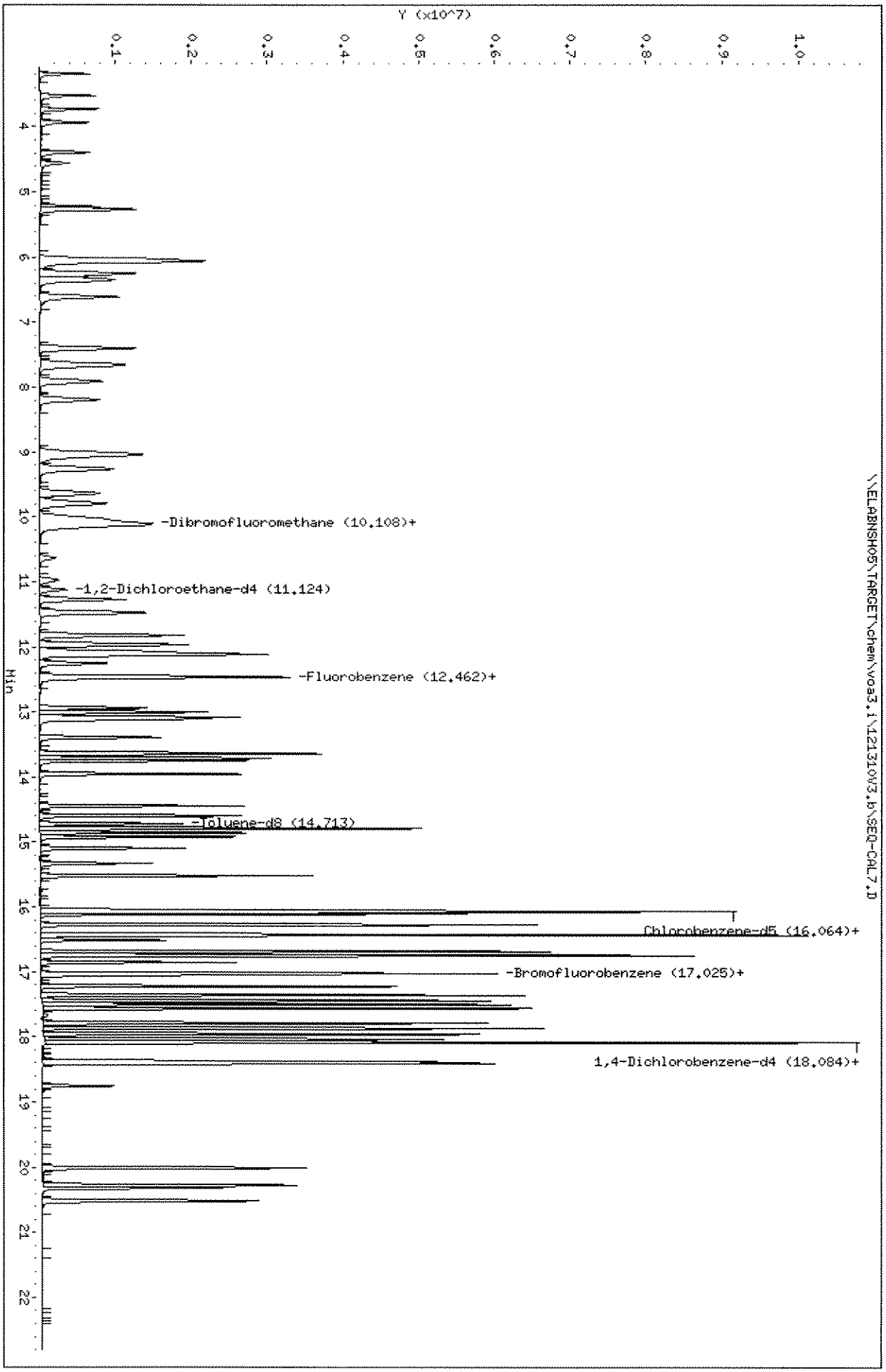
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	32 trans-1,2-Dichloroethene	96	7.400	7.400	(0.594)	854874	100.000	98.72
	33 MTBE	73	7.650	7.650	(0.614)	2502910	100.000	101.0
	34 1,1-Dichloroethane	63	7.905	7.905	(0.634)	1624696	100.000	101.3
	37 Vinyl acetate	43	8.191	8.191	(0.657)	2458311	200.000	214.4
	45 Di-isopropyl ether	45	9.037	9.037	(0.725)	3509744	100.000	101.9
	46 cis-1,2-Dichloroethene	96	9.256	9.256	(0.742)	928875	100.000	99.03
M	30 1,2-Dichloroethene(total)	96				1783749	200.000	197.8
	48 Bromochloromethane	128	9.633	9.633	(0.773)	462739	100.000	100.7
	53 Tetrahydrofuran	42	10.631	10.631	(0.853)	258659	100.000	104.0
	49 Chloroform	83	9.791	9.791	(0.785)	1670805	100.000	98.58
	27 Methyl acetate	43	6.281	6.281	(0.504)	678227	100.000	101.1
$	51 Dibromofluoromethane	111	10.107	10.107	(0.811)	309966	30.0000	29.46
	56 1,1,1-Trichloroethane	97	11.476	11.476	(0.920)	1551665	100.000	103.7
	58 ETBE	59	10.120	10.120	(0.812)	3154521	100.000	102.2
	59 Cyclohexane	56	11.963	11.963	(0.960)	1476966	100.000	103.2
	60 Carbon tetrachloride	117	12.072	12.072	(0.968)	1326582	100.000	110.4
$	54 1,2-Dichloroethane-d4	102	11.123	11.123	(0.892)	64885	30.0000	29.08
	61 Benzene	78	12.115	12.115	(0.972)	3489314	100.000	99.36
	55 1,2-Dichloroethane	62	11.269	11.269	(0.904)	1473429	100.000	100.8
	50 2,2-Dichloropropane	77	10.028	10.028	(0.804)	1419472	100.000	100.4
	57 1,1-Dichloropropene	75	11.817	11.817	(0.948)	1311426	100.000	104.8
	63 tert-Amyl Methyl Ether	73	12.462	12.462	(1.000)	2746708	100.000	95.40
	73 tert-Amyl Ethyl Ether	59	13.636	13.636	(1.094)	2779249	100.000	100.5
	67 Trichloroethene	95	13.076	13.076	(1.049)	1024505	100.000	98.55
	66 1,2-Dichloropropane	63	12.997	12.997	(1.042)	977318	100.000	101.9
	65 Dibromomethane	93	12.930	12.930	(1.037)	637162	100.000	100.2
	70 Methyl methacrylate	41	13.386	13.386	(1.074)	990388	100.000	112.3
	68 Bromodichloromethane	83	13.113	13.113	(1.052)	1315699	100.000	105.8
	71 2-Chloroethyl vinyl ether	63	13.709	13.709	(1.100)	1327280	200.000	204.8
	76 cis-1,3-Dichloropropene	75	13.952	13.952	(1.119)	1616028	100.000	103.0
$	81 Toluene-d8	98	14.713	14.713	(0.915)	1356640	30.0000	30.19
	83 Toluene	92	14.786	14.786	(0.919)	2543119	100.000	97.99
	78 trans-1,3-Dichloropropene	75	14.439	14.439	(0.898)	1505238	100.000	107.3
	85 Ethyl methacrylate	69	14.913	14.913	(0.927)	1305560	100.000	105.9
	80 1,1,2-Trichloroethane	83	14.591	14.591	(0.907)	777826	100.000	101.7
	89 Tetrachloroethene	166	15.516	15.516	(0.965)	1056105	100.000	99.27
	87 Dibromochloromethane	129	15.096	15.096	(0.939)	1076956	100.000	116.0
	88 1,2-Dibromoethane	107	15.327	15.327	(0.953)	1040957	100.000	100.7
	74 Methyl cyclohexane	83	13.745	13.745	(1.102)	1211917	100.000	101.9
*	92 Chlorobenzene-d5	82	16.082	16.082	(1.000)	658007	30.0000	
	93 Chlorobenzene	112	16.106	16.106	(1.002)	2849222	100.000	96.49
	90 1,1,1,2-Tetrachloroethane	131	16.051	16.051	(0.998)	950855	100.000	103.7
	91 1-Chlorohexane	91	16.069	16.069	(0.999)	2271785	100.000	91.98
	94 Ethylbenzene	91	16.270	16.270	(1.012)	4651145	100.000	95.22
	95 m,p-Xylene	91	16.428	16.428	(1.022)	6773659	200.000	169.4
M	107 Xylene(total)	91				10584872	300.000	261.5
	99 o-Xylene	91	16.745	16.745	(1.041)	3811213	100.000	92.13

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL7.D
Report Date: 14-Dec-2010 08:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
97 Styrene	104	16.684	16.684	(1.037)	3265928	100.000	98.03(H)
96 Bromoform	173	16.513	16.513	(1.027)	782729	100.000	98.72
103 Isopropylbenzene	105	17.024	17.024	(1.059)	3855685	100.000	94.93
$ 104 Bromofluorobenzene	95	17.055	17.055	(1.061)	642062	30.0000	29.88
98 1,1,2,2-Tetrachloroethane	83	16.751	16.751	(0.927)	1144670	100.000	95.48
84 1,3-Dichloropropane	76	14.853	14.853	(0.924)	1536432	100.000	103.9
100 1,2,3-Trichloropropane	110	16.854	16.854	(1.048)	389944	100.000	105.9
108 n-Propylbenzene	91	17.359	17.359	(0.961)	5010529	100.000	96.29
113 1,3,5-Trimethylbenzene	105	17.560	17.560	(0.972)	3731497	100.000	96.09
111 1,2,4-Trimethylbenzene	105	17.864	17.864	(0.989)	3851449	100.000	95.64
114 sec-Butylbenzene	105	17.955	17.955	(0.994)	4159605	100.000	96.66
112 tert-Butylbenzene	119	18.083	18.083	(1.001)	3214016	100.000	95.58
115 1,3-Dichlorobenzene	146	18.034	18.034	(0.998)	2145424	100.000	97.09
* 117 1,4-Dichlorobenzene-d4	152	18.065	18.065	(1.000)	664759	30.0000	
118 1,4-Dichlorobenzene	146	18.083	18.083	(1.001)	2162843	100.000	92.91
121 n-Butylbenzene	91	18.405	18.405	(1.019)	3235420	100.000	95.96
120 1,2-Dichlorobenzene	146	18.381	18.381	(1.018)	2166421	100.000	97.96
122 1,2-Dibromo-3-chloropropane	157	18.758	18.758	(1.038)	295080	100.000	99.15
105 Bromobenzene	156	17.225	17.225	(0.954)	1361732	100.000	99.06
109 2-Chlorotoluene	91	17.438	17.438	(0.965)	3505699	100.000	96.42
110 4-Chlorotoluene	91	17.499	17.499	(0.969)	3549869	100.000	97.41
123 1,2,4-Trichlorobenzene	180	20.005	20.005	(1.107)	1437008	100.000	98.24
124 Naphthalene	128	20.273	20.273	(1.122)	3454021	100.000	102.7
119 p-Isopropyltoluene	119	17.785	17.785	(0.985)	2964122	100.000	97.90
125 Hexachlorobutadiene	225	20.310	20.310	(1.124)	673740	100.000	104.2
126 1,2,3-Trichlorobenzene	180	20.516	20.516	(1.136)	1266948	100.000	98.36

QC Flag Legend

H - Operator selected an alternate compound hit.


Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL7.D
Date : 13-DEC-2010 19:17
Client ID: SEQ-CAL7
Sample Info: SEQ-CAL7
Purge Volume: 5.0
Column phase: RTX-VRX
Instrument: voa3.i
Operator: adm
Column diameter: 0.25
\\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL7.D
Y (x10^7)
Min
-Dibromofluoromethane (10.108)+
-1,2-Dichloroethane-d4 (11.124)
-Fluorobenzene (12.462)+
-Toluene-d8 (14.713)
Chlorobenzene-d5 (16.064)+
-Bromofluorobenzene (17.025)+
1,4-Dichlorobenzene-d4 (18.084)+

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL8.D
Report Date: 14-Dec-2010 08:03

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL8.D
Lab Smp Id: SEQ-CAL8 Client Smp ID: SEQ-CAL8
Inj Date : 13-DEC-2010 19:47 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-CAL8
Misc Info : ;1;;;8;gmall-k.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:03 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 8 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-k.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.474	12.474	(1.000)	1196208	30.0000	
1 Dichlorodifluoromethane	85	3.519	3.519	(0.282)	1334939	150.000	152.4
2 Chloromethane	50	3.726	3.726	(0.299)	1389585	150.000	156.2
4 Vinyl chloride	62	3.932	3.932	(0.315)	1178214	150.000	154.7
7 Bromomethane	94	4.389	4.389	(0.352)	860711	150.000	152.4
8 Chloroethane	64	4.553	4.553	(0.365)	687263	150.000	145.9
11 Trichlorofluoromethane	101	5.265	5.265	(0.422)	2251663	150.000	154.2
15 t-Butyl alcohol	59	6.019	6.019	(0.483)	713263	750.000	805.1
16 tert-Amyl alcohol	59	10.977	10.977	(0.880)	512157	750.000	875.1
26 Trichlorotrifluoroethane	101	6.342	6.342	(0.508)	1186582	150.000	157.5
10 Acrolein	56	5.216	5.216	(0.418)	1150602	750.000	751.6
22 1,1-Dichloroethene	96	6.019	6.019	(0.483)	1056875	150.000	143.4
23 Iodomethane	142	6.068	6.068	(0.486)	1743749	150.000	151.6
29 Carbon disulfide	76	6.609	6.609	(0.530)	4089157	150.000	164.9
25 Methylene chloride	84	6.238	6.238	(0.500)	1309958	150.000	136.4
24 Acrylonitrile	53	6.062	6.062	(0.486)	2488972	750.000	764.8

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL8.D
Report Date: 14-Dec-2010 08:03

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	32	trans-1,2-Dichloroethene	96	7.394	7.394	(0.593)	1285762	150.000	150.4
	33	MTBE	73	7.650	7.650	(0.613)	3808973	150.000	155.7
	34	1,1-Dichloroethane	63	7.905	7.905	(0.634)	2459250	150.000	155.3
	37	Vinyl acetate	43	8.185	8.185	(0.656)	3617186	300.000	319.6
	45	Di-isopropyl ether	45	9.030	9.030	(0.724)	5431152	150.000	159.8
	46	cis-1,2-Dichloroethene	96	9.256	9.256	(0.742)	1438799	150.000	155.4
M	30	1,2-Dichloroethene(total)	96				2724561	300.000	305.8
	48	Bromochloromethane	128	9.633	9.633	(0.772)	702186	150.000	154.7
	53	Tetrahydrofuran	42	10.618	10.618	(0.851)	405337	150.000	165.0
	49	Chloroform	83	9.791	9.791	(0.785)	2517157	150.000	150.4
	27	Methyl acetate	43	6.275	6.275	(0.503)	1014026	150.000	153.2
$	51	Dibromofluoromethane	111	10.101	10.101	(0.810)	305764	30.0000	29.44
	56	1,1,1-Trichloroethane	97	11.470	11.470	(0.920)	2393381	150.000	162.0
	58	ETBE	59	10.119	10.119	(0.811)	4836710	150.000	158.7
	59	Cyclohexane	56	11.963	11.963	(0.959)	2213665	150.000	156.8
	60	Carbon tetrachloride	117	12.072	12.072	(0.968)	2032101	150.000	171.4
$	54	1,2-Dichloroethane-d4	102	11.123	11.123	(0.892)	70030	30.0000	31.80
	61	Benzene	78	12.115	12.115	(0.971)	5169630	150.000	149.1
	55	1,2-Dichloroethane	62	11.269	11.269	(0.903)	2223134	150.000	154.1
	50	2,2-Dichloropropane	77	10.028	10.028	(0.804)	2136293	150.000	153.1
	57	1,1-Dichloropropene	75	11.823	11.823	(0.948)	1960571	150.000	158.8
	63	tert-Amyl Methyl Ether	73	12.462	12.462	(0.999)	4089451	150.000	143.9
	73	tert-Amyl Ethyl Ether	59	13.630	13.630	(1.093)	4045244	150.000	148.3
	67	Trichloroethene	95	13.076	13.076	(1.048)	1515203	150.000	147.7
	66	1,2-Dichloropropane	63	12.997	12.997	(1.042)	1491306	150.000	157.5
	65	Dibromomethane	93	12.936	12.936	(1.037)	939982	150.000	149.8
	70	Methyl methacrylate	41	13.386	13.386	(1.073)	1513303	150.000	173.9
	68	Bromodichloromethane	83	13.113	13.113	(1.051)	1997109	150.000	162.6
	71	2-Chloroethyl vinyl ether	63	13.709	13.709	(1.099)	1991437	300.000	311.3
	76	cis-1,3-Dichloropropene	75	13.952	13.952	(1.119)	2461008	150.000	158.8
$	81	Toluene-d8	98	14.713	14.713	(0.915)	1361740	30.0000	30.00
	83	Toluene	92	14.786	14.786	(0.919)	3755453	150.000	143.2
	78	trans-1,3-Dichloropropene	75	14.439	14.439	(0.898)	2338030	150.000	165.0
	85	Ethyl methacrylate	69	14.913	14.913	(0.927)	1970904	150.000	158.3
	80	1,1,2-Trichloroethane	83	14.591	14.591	(0.907)	1153319	150.000	149.3
	89	Tetrachloroethene	166	15.516	15.516	(0.965)	1583767	150.000	147.4
	87	Dibromochloromethane	129	15.096	15.096	(0.939)	1654643	150.000	176.4
	88	1,2-Dibromoethane	107	15.327	15.327	(0.953)	1575821	150.000	150.9
	74	Methyl cyclohexane	83	13.745	13.745	(1.102)	1841118	150.000	156.9
*	92	Chlorobenzene-d5	82	16.081	16.081	(1.000)	664662	30.0000	
	93	Chlorobenzene	112	16.106	16.106	(1.002)	4058159	150.000	136.0
	90	1,1,1,2-Tetrachloroethane	131	16.051	16.051	(0.998)	1427971	150.000	154.2
	91	1-Chlorohexane	91	16.069	16.069	(0.999)	3234709	150.000	129.6(A)
	94	Ethylbenzene	91	16.270	16.270	(1.012)	6576797	150.000	133.3
	95	m,p-Xylene	91	16.428	16.428	(1.022)	9242585	300.000	228.8(A)
M	107	Xylene(total)	91				14608734	450.000	357.3
	99	o-Xylene	91	16.744	16.744	(1.041)	5366149	150.000	128.4

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL8.D
Report Date: 14-Dec-2010 08:03

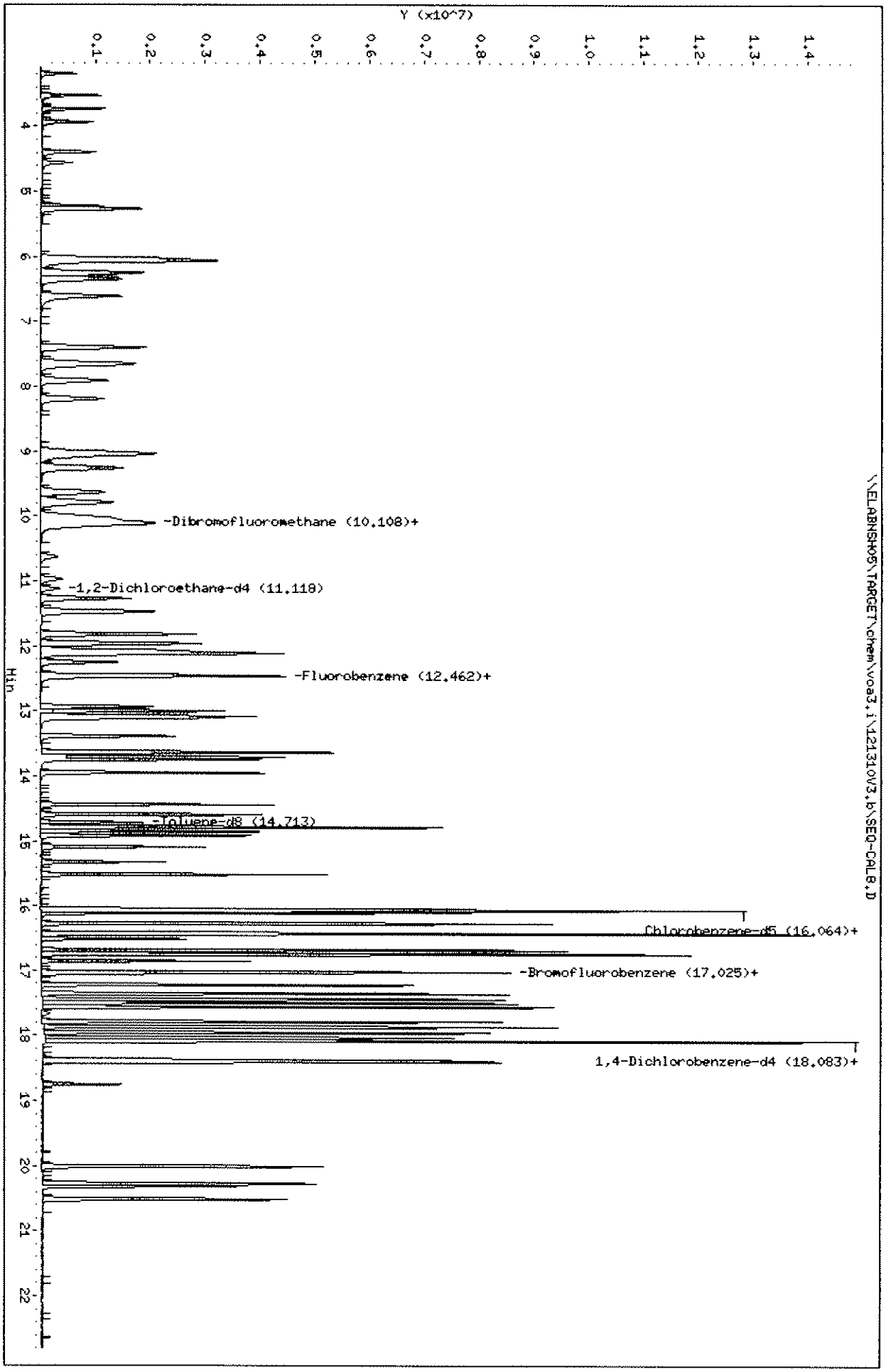
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
97 Styrene	104	16.684	16.684	(1.037)	4682320	150.000	139.1(H)
96 Bromoform	173	16.513	16.513	(1.027)	1245286	150.000	154.5
103 Isopropylbenzene	105	17.024	17.024	(1.059)	5525632	150.000	134.7
$ 104 Bromofluorobenzene	95	17.055	17.055	(1.061)	650365	30.0000	29.96
98 1,1,2,2-Tetrachloroethane	83	16.751	16.751	(0.927)	1657917	150.000	143.0
84 1,3-Dichloropropane	76	14.852	14.852	(0.924)	2311599	150.000	154.8
100 1,2,3-Trichloropropane	110	16.854	16.854	(1.048)	583914	150.000	157.0
108 n-Propylbenzene	91	17.359	17.359	(0.961)	6848014	150.000	136.1
113 1,3,5-Trimethylbenzene	105	17.560	17.560	(0.972)	5279971	150.000	140.6
111 1,2,4-Trimethylbenzene	105	17.864	17.864	(0.989)	5447152	150.000	139.9
114 sec-Butylbenzene	105	17.955	17.955	(0.994)	5850366	150.000	140.6
112 tert-Butylbenzene	119	18.083	18.083	(1.001)	4545878	150.000	139.8
115 1,3-Dichlorobenzene	146	18.034	18.034	(0.998)	3101705	150.000	145.1
* 117 1,4-Dichlorobenzene-d4	152	18.065	18.065	(1.000)	642880	30.0000	
118 1,4-Dichlorobenzene	146	18.083	18.083	(1.001)	3062835	150.000	136.0
121 n-Butylbenzene	91	18.405	18.405	(1.019)	4598871	150.000	141.0
120 1,2-Dichlorobenzene	146	18.381	18.381	(1.018)	3091617	150.000	144.6
122 1,2-Dibromo-3-chloropropane	157	18.752	18.752	(1.038)	447955	150.000	154.7
105 Bromobenzene	156	17.219	17.219	(0.953)	1975153	150.000	148.6
109 2-Chlorotoluene	91	17.438	17.438	(0.965)	5014757	150.000	142.6
110 4-Chlorotoluene	91	17.499	17.499	(0.969)	5075014	150.000	144.0
123 1,2,4-Trichlorobenzene	180	20.005	20.005	(1.107)	2146995	150.000	151.8
124 Naphthalene	128	20.273	20.273	(1.122)	5094015	150.000	156.6
119 p-Isopropyltoluene	119	17.785	17.785	(0.985)	4279729	150.000	146.2
125 Hexachlorobutadiene	225	20.316	20.316	(1.125)	1012953	150.000	162.0
126 1,2,3-Trichlorobenzene	180	20.516	20.516	(1.136)	1947411	150.000	156.3

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL8.D
Date : 13-DEC-2010 19:47
Client ID: SEQ-CAL8
Sample Info: SEQ-CAL8
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa3.i
Operator: adm
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL9.D
Report Date: 14-Dec-2010 08:03

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL9.D
Lab Smp Id: SEQ-CAL9 Client Smp ID: SEQ-CAL9
Inj Date : 13-DEC-2010 20:16 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-CAL9
Misc Info : ;1;;;9;gmall-k.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:03 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 9 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-k.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

M 12/15/10

12-15-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.468	12.468	(1.000)	1188552	30.0000	
1 Dichlorodifluoromethane	85	3.519	3.519	(0.282)	1722722	200.000	197.9
2 Chloromethane	50	3.726	3.726	(0.299)	1753474	200.000	198.3
4 Vinyl chloride	62	3.927	3.927	(0.315)	1495953	200.000	197.7
7 Bromomethane	94	4.389	4.389	(0.352)	1125807	200.000	200.2(A)
8 Chloroethane	64	4.553	4.553	(0.365)	879264	200.000	187.9
11 Trichlorofluoromethane	101	5.265	5.265	(0.422)	2885179	200.000	198.8
15 t-Butyl alcohol	59	6.019	6.019	(0.483)	872774	1000.00	991.5
16 tert-Amyl alcohol	59	10.965	10.965	(0.879)	650092	1000.00	1118(A)
26 Trichlorotrifluoroethane	101	6.342	6.342	(0.509)	1514155	200.000	202.3(A)
10 Acrolein	56	5.216	5.216	(0.418)	1467853	1000.00	965.1
22 1,1-Dichloroethene	96	6.019	6.019	(0.483)	1385049	200.000	189.1
23 Iodomethane	142	6.068	6.068	(0.487)	2281982	200.000	199.4
29 Carbon disulfide	76	6.609	6.609	(0.530)	5287608	200.000	214.6(A)
25 Methylene chloride	84	6.244	6.244	(0.501)	1783303	200.000	186.9
24 Acrylonitrile	53	6.056	6.056	(0.486)	3052429	1000.00	944.0

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL9.D
Report Date: 14-Dec-2010 08:03

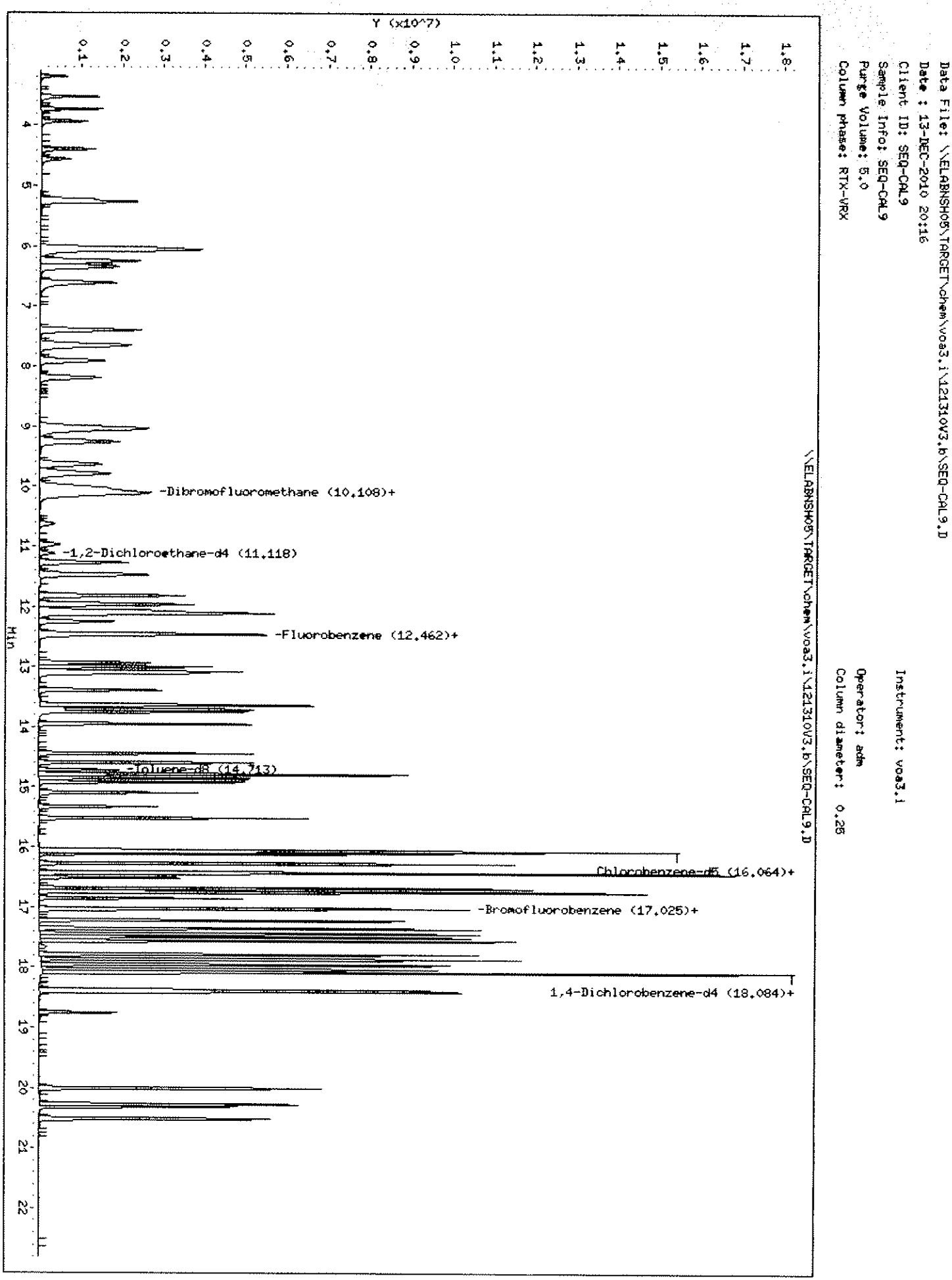
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	32 trans-1,2-Dichloroethene	96	7.394	7.394	(0.593)	1642330	200.000	193.4
	33 MTBE	73	7.650	7.650	(0.614)	4825000	200.000	198.5
	34 1,1-Dichloroethane	63	7.905	7.905	(0.634)	3125678	200.000	198.7
	37 Vinyl acetate	43	8.185	8.185	(0.657)	4612229	400.000	410.2(A)
	45 Di-isopropyl ether	45	9.031	9.031	(0.724)	6958870	200.000	206.0(A)
	46 cis-1,2-Dichloroethene	96	9.256	9.256	(0.742)	1837380	200.000	199.7
M	30 1,2-Dichloroethene(total)	96				3479710	400.000	393.1
	48 Bromochloromethane	128	9.633	9.633	(0.773)	908152	200.000	201.4(A)
	53 Tetrahydrofuran	42	10.619	10.619	(0.852)	490112	200.000	200.8(A)
	49 Chloroform	83	9.785	9.785	(0.785)	3238939	200.000	194.8
	27 Methyl acetate	43	6.275	6.275	(0.503)	1262930	200.000	192.0
$	51 Dibromofluoromethane	111	10.101	10.101	(0.810)	313967	30.0000	30.43
	56 1,1,1-Trichloroethane	97	11.476	11.476	(0.920)	3046540	200.000	207.6(A)
	58 ETBE	59	10.114	10.114	(0.811)	6271363	200.000	207.1(M)
	59 Cyclohexane	56	11.963	11.963	(0.960)	2848254	200.000	203.0(A)
	60 Carbon tetrachloride	117	12.072	12.072	(0.968)	2597078	200.000	220.4(A)
$	54 1,2-Dichloroethane-d4	102	11.123	11.123	(0.892)	66010	30.0000	30.17
	61 Benzene	78	12.115	12.115	(0.972)	6559892	200.000	190.5
	55 1,2-Dichloroethane	62	11.269	11.269	(0.904)	2872427	200.000	200.4(A)
	50 2,2-Dichloropropane	77	10.022	10.022	(0.804)	2760559	200.000	199.1(M)
	57 1,1-Dichloropropene	75	11.823	11.823	(0.948)	2529784	200.000	206.2(A)
	63 tert-Amyl Methyl Ether	73	12.456	12.456	(0.999)	5270559	200.000	186.6
	73 tert-Amyl Ethyl Ether	59	13.636	13.636	(1.094)	5092758	200.000	187.9
	67 Trichloroethene	95	13.076	13.076	(1.049)	1911008	200.000	187.4
	66 1,2-Dichloropropane	63	12.997	12.997	(1.042)	1895088	200.000	201.4(A)
	65 Dibromomethane	93	12.930	12.930	(1.037)	1220878	200.000	195.8
	70 Methyl methacrylate	41	13.387	13.387	(1.074)	1842109	200.000	213.1(A)
	68 Bromodichloromethane	83	13.113	13.113	(1.052)	2537200	200.000	208.0(A)
	71 2-Chloroethyl vinyl ether	63	13.703	13.703	(1.099)	2396501	400.000	377.0
	76 cis-1,3-Dichloropropene	75	13.952	13.952	(1.119)	3109631	200.000	202.0(A)
$	81 Toluene-d8	98	14.713	14.713	(0.915)	1376385	30.0000	29.89
	83 Toluene	92	14.786	14.786	(0.919)	4648579	200.000	174.8(M)
	78 trans-1,3-Dichloropropene	75	14.439	14.439	(0.898)	2913128	200.000	202.7(A)
	85 Ethyl methacrylate	69	14.914	14.914	(0.927)	2459826	200.000	194.8
	80 1,1,2-Trichloroethane	83	14.591	14.591	(0.907)	1471829	200.000	187.8
	89 Tetrachloroethene	166	15.516	15.516	(0.965)	1999644	200.000	183.4
	87 Dibromochloromethane	129	15.090	15.090	(0.938)	2167243	200.000	227.7(A)
	88 1,2-Dibromoethane	107	15.327	15.327	(0.953)	2039100	200.000	192.5
	74 Methyl cyclohexane	83	13.739	13.739	(1.102)	2298684	200.000	197.1
*	92 Chlorobenzene-d5	82	16.082	16.082	(1.000)	674242	30.0000	
	93 Chlorobenzene	112	16.106	16.106	(1.002)	5036975	200.000	166.5
	90 1,1,1,2-Tetrachloroethane	131	16.045	16.045	(0.998)	1792163	200.000	190.8
	91 1-Chlorohexane	91	16.063	16.063	(0.999)	3923569	200.000	155.0(A)
	94 Ethylbenzene	91	16.270	16.270	(1.012)	7919183	200.000	158.2
	95 m,p-Xylene	91	16.428	16.428	(1.022)	11033199	400.000	269.3(A)
M	107 Xylene(total)	91				17552047	600.000	423.1
	99 o-Xylene	91	16.745	16.745	(1.041)	6518848	200.000	153.8

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL9.D
Report Date: 14-Dec-2010 08:03

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
97 Styrene	104	16.684	16.684	(1.037)	5782433	200.000	169.4(H)
96 Bromoform	173	16.513	16.513	(1.027)	1625499	200.000	198.2
103 Isopropylbenzene	105	17.025	17.025	(1.059)	6817222	200.000	163.8
$ 104 Bromofluorobenzene	95	17.055	17.055	(1.061)	638087	30.0000	28.98
98 1,1,2,2-Tetrachloroethane	83	16.751	16.751	(0.928)	2038694	200.000	174.9
84 1,3-Dichloropropane	76	14.853	14.853	(0.924)	2938500	200.000	193.9
100 1,2,3-Trichloropropane	110	16.854	16.854	(1.048)	746933	200.000	198.0
108 n-Propylbenzene	91	17.359	17.359	(0.961)	8379517	200.000	165.6
113 1,3,5-Trimethylbenzene	105	17.560	17.560	(0.972)	6473724	200.000	171.5
111 1,2,4-Trimethylbenzene	105	17.864	17.864	(0.989)	6625288	200.000	169.2
114 sec-Butylbenzene	105	17.955	17.955	(0.994)	7261894	200.000	173.6
112 tert-Butylbenzene	119	18.083	18.083	(1.001)	5585254	200.000	170.8
115 1,3-Dichlorobenzene	146	18.034	18.034	(0.999)	3911829	200.000	182.1(H)
* 117 1,4-Dichlorobenzene-d4	152	18.059	18.059	(1.000)	646237	30.0000	
118 1,4-Dichlorobenzene	146	18.083	18.083	(1.001)	3764303	200.000	166.3
121 n-Butylbenzene	91	18.405	18.405	(1.019)	5607997	200.000	171.1
120 1,2-Dichlorobenzene	146	18.375	18.375	(1.018)	3844052	200.000	178.8
122 1,2-Dibromo-3-chloropropane	157	18.752	18.752	(1.038)	576955	200.000	197.8
105 Bromobenzene	156	17.219	17.219	(0.954)	2550357	200.000	190.8
109 2-Chlorotoluene	91	17.438	17.438	(0.966)	6219767	200.000	176.0
110 4-Chlorotoluene	91	17.499	17.499	(0.969)	6053083	200.000	170.8
123 1,2,4-Trichlorobenzene	180	20.005	20.005	(1.108)	2750771	200.000	193.4
124 Naphthalene	128	20.273	20.273	(1.123)	6298326	200.000	192.6
119 p-Isopropyltoluene	119	17.785	17.785	(0.985)	5290405	200.000	179.7
125 Hexachlorobutadiene	225	20.310	20.310	(1.125)	1328982	200.000	211.4(A)
126 1,2,3-Trichlorobenzene	180	20.516	20.516	(1.136)	2462496	200.000	196.6

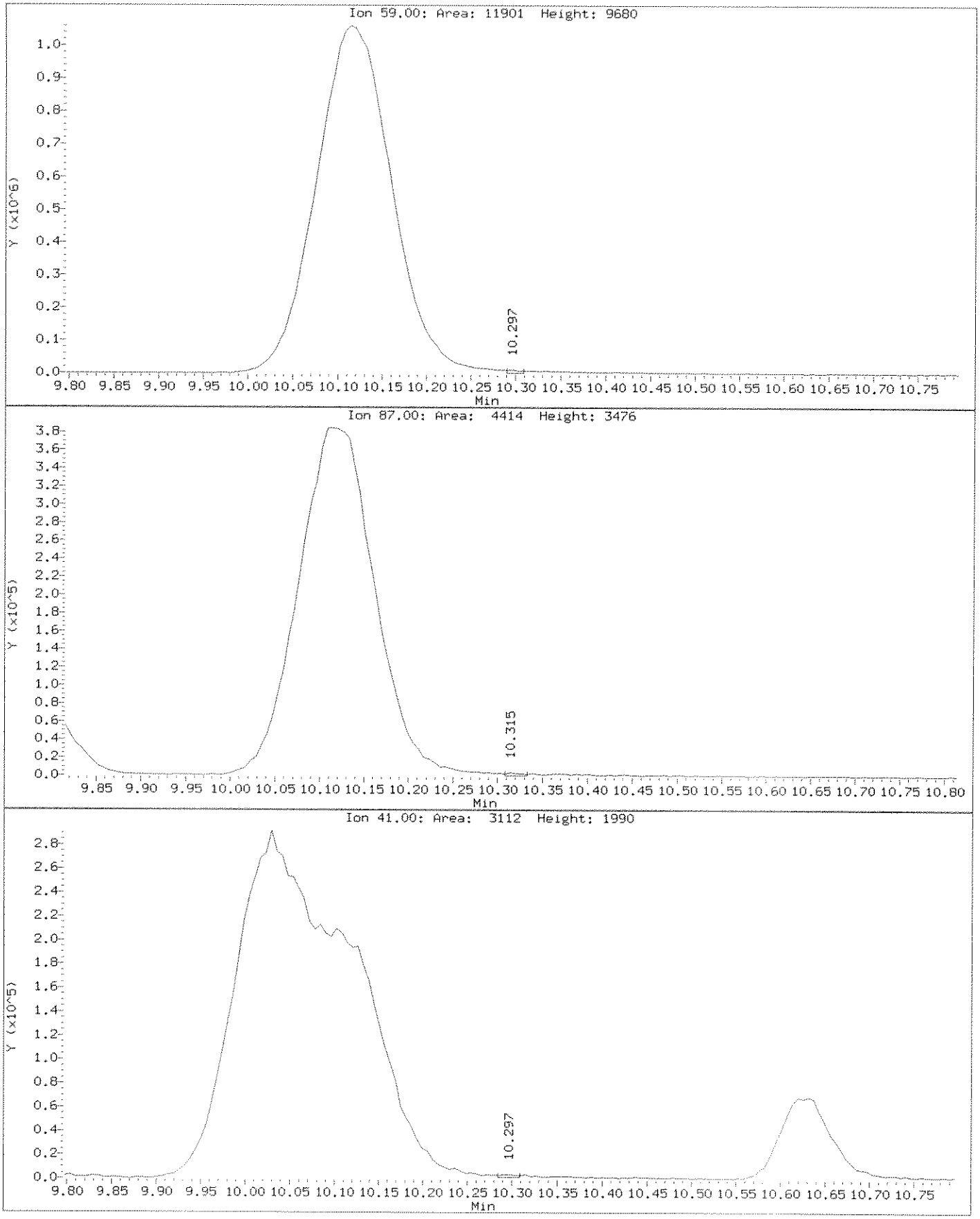
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.


Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL9.D
Date : 13-DEC-2010 20:16
Client ID: SEQ-CAL9
Sample Info: SEQ-CAL9
Purge Volume: 5.0
Column phase: RTX-VRX
Instrument: voa3.i
Operator: adm
Column diameter: 0.25
\\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL9.D
Y (x10^7)
Min
-Dibromofluoromethane (10.108)+
-1,2-Dichloroethane-d4 (11.118)
-Fluorobenzene (12.462)+
-Toluene-d8 (14.713)
Chlorobenzene-d5 (16.064)+
-Bromofluorobenzene (17.025)+
1,4-Dichlorobenzene-d4 (18.084)+

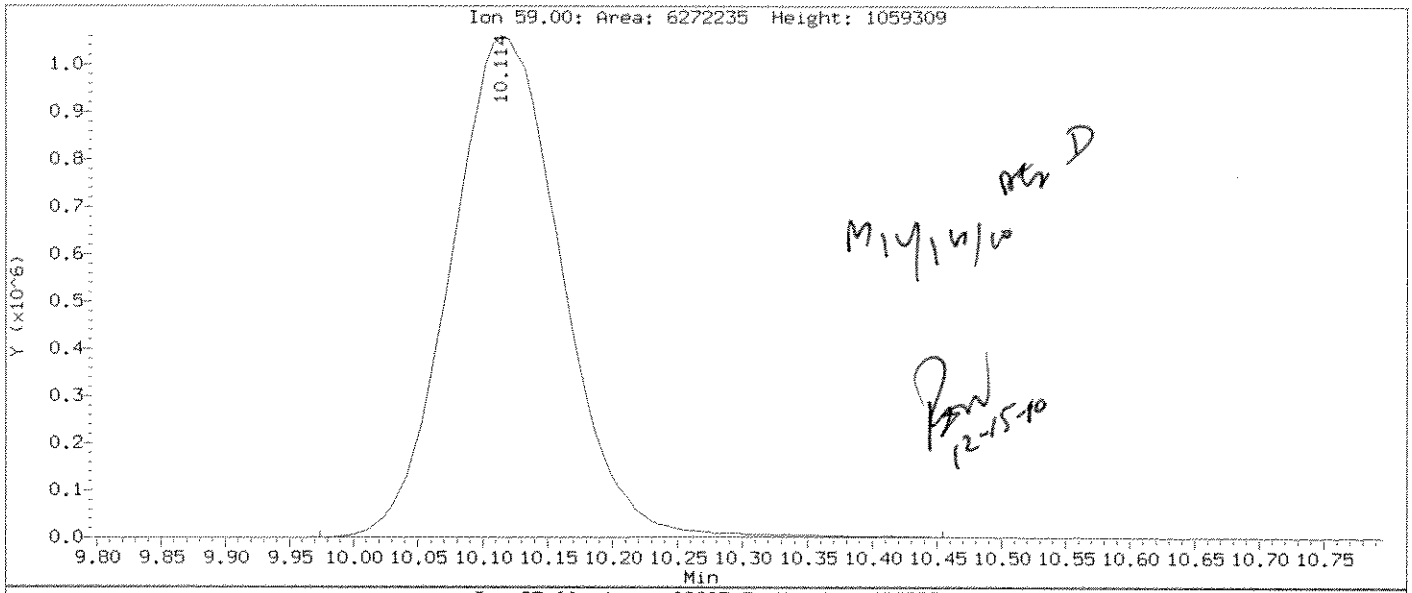
Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL9.D
Injection Date: 13-DEC-2010 20:16
Instrument: voa3.i
Client Sample ID: SEQ-CAL9

Compound: ETBE
CAS Number: 637-92-3



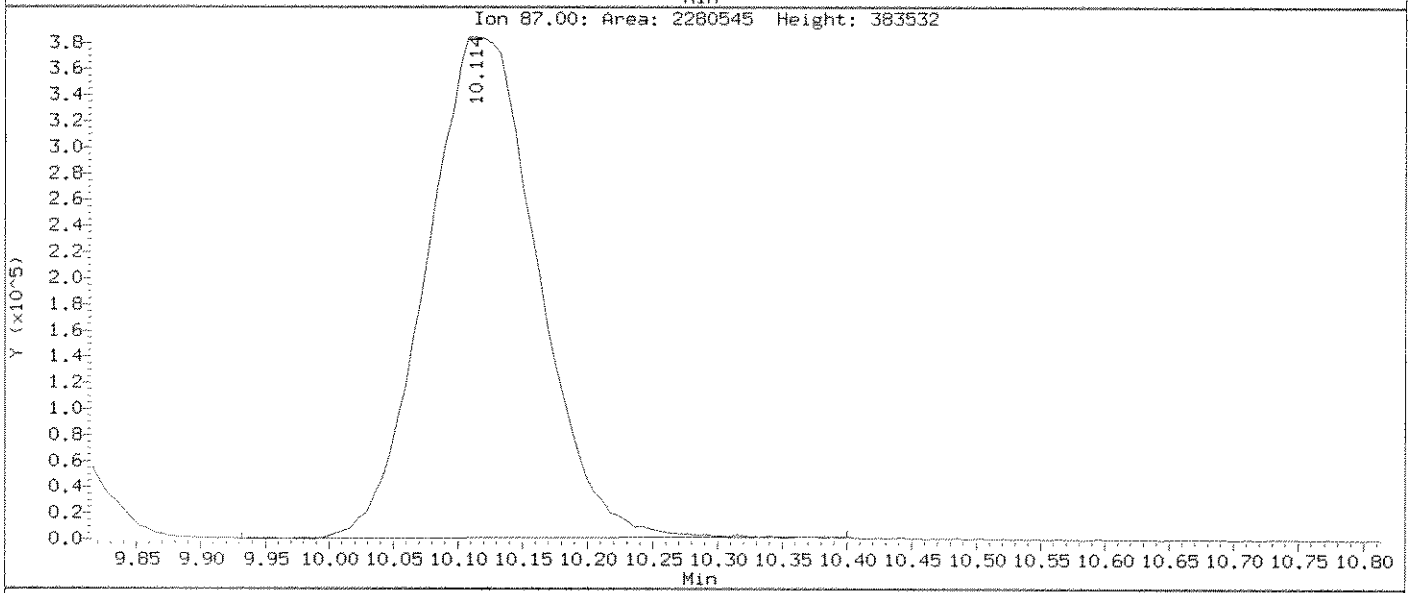
Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL9.D
Injection Date: 13-DEC-2010 20:16
Instrument: voa3.i
Client Sample ID: SEQ-CAL9

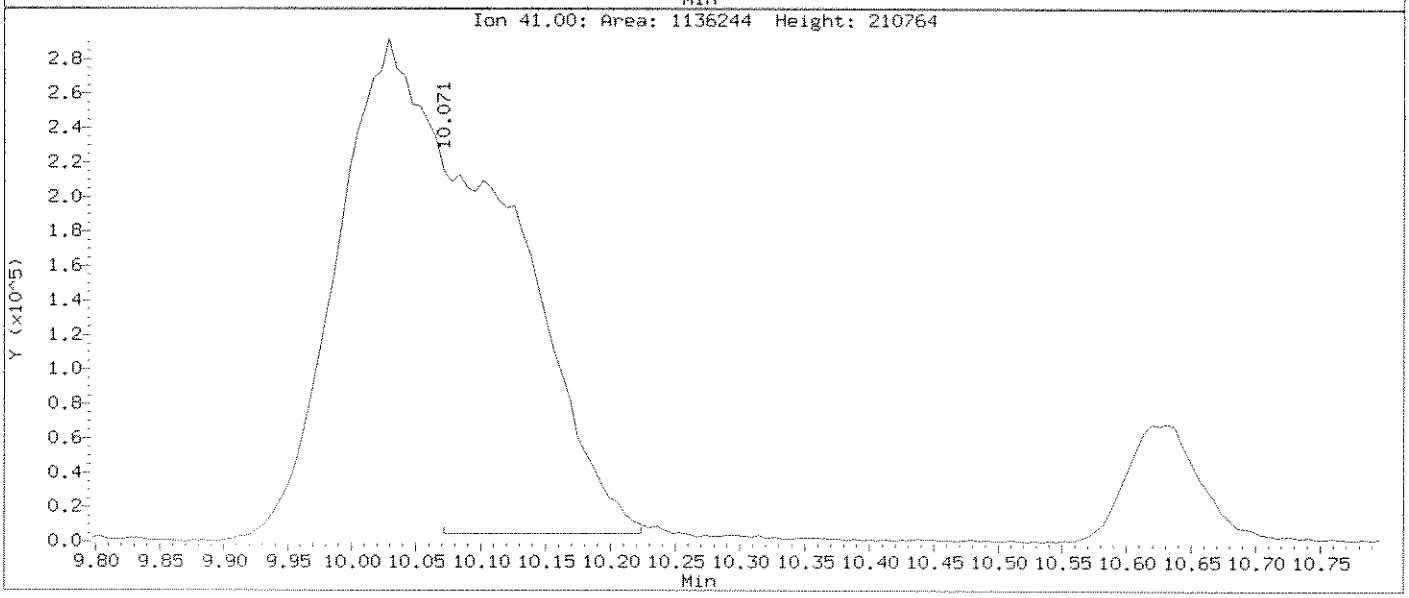
Compound: ETBE
CAS Number: 637-92-3



per D
M 12/14/10

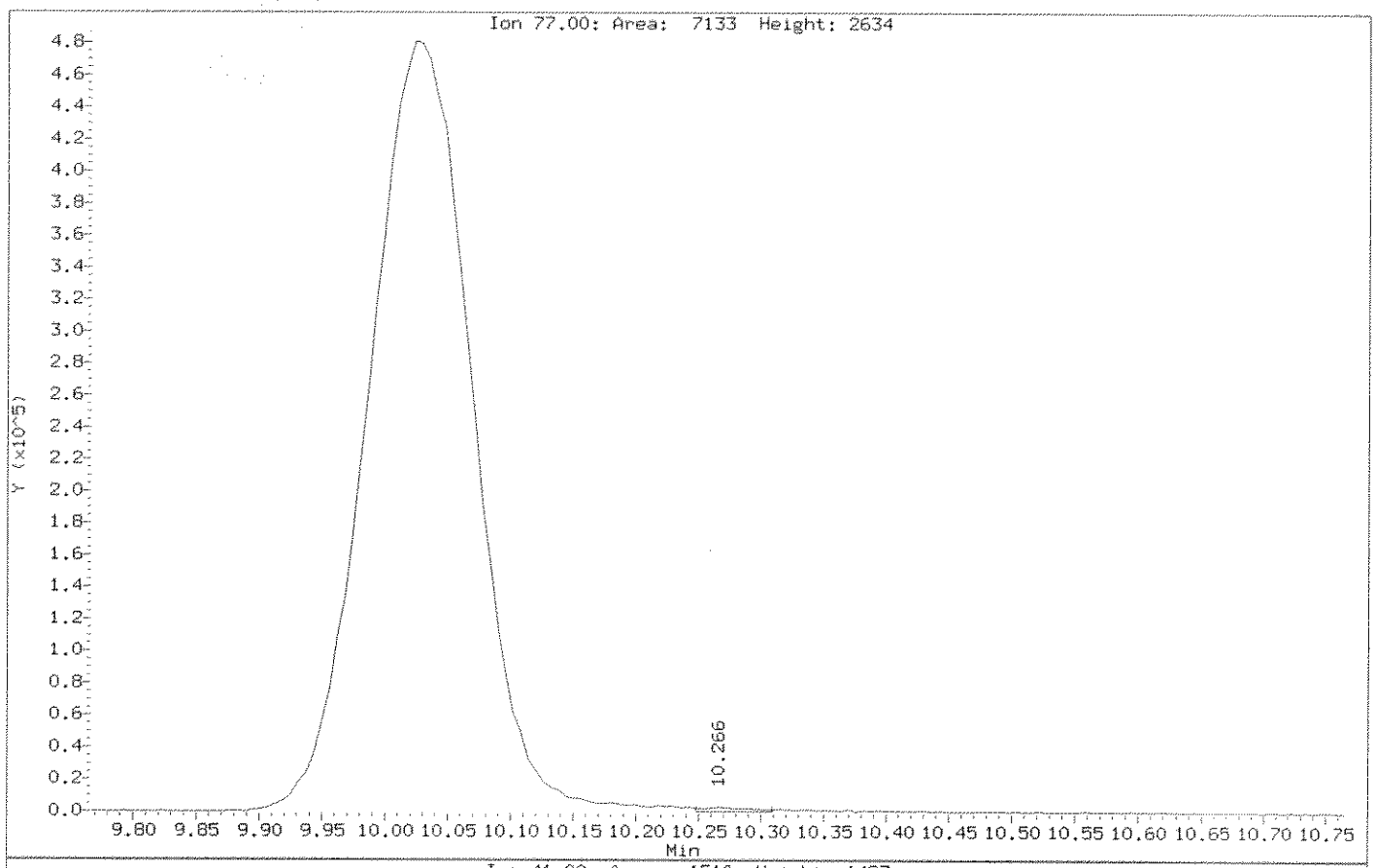
12-15-10

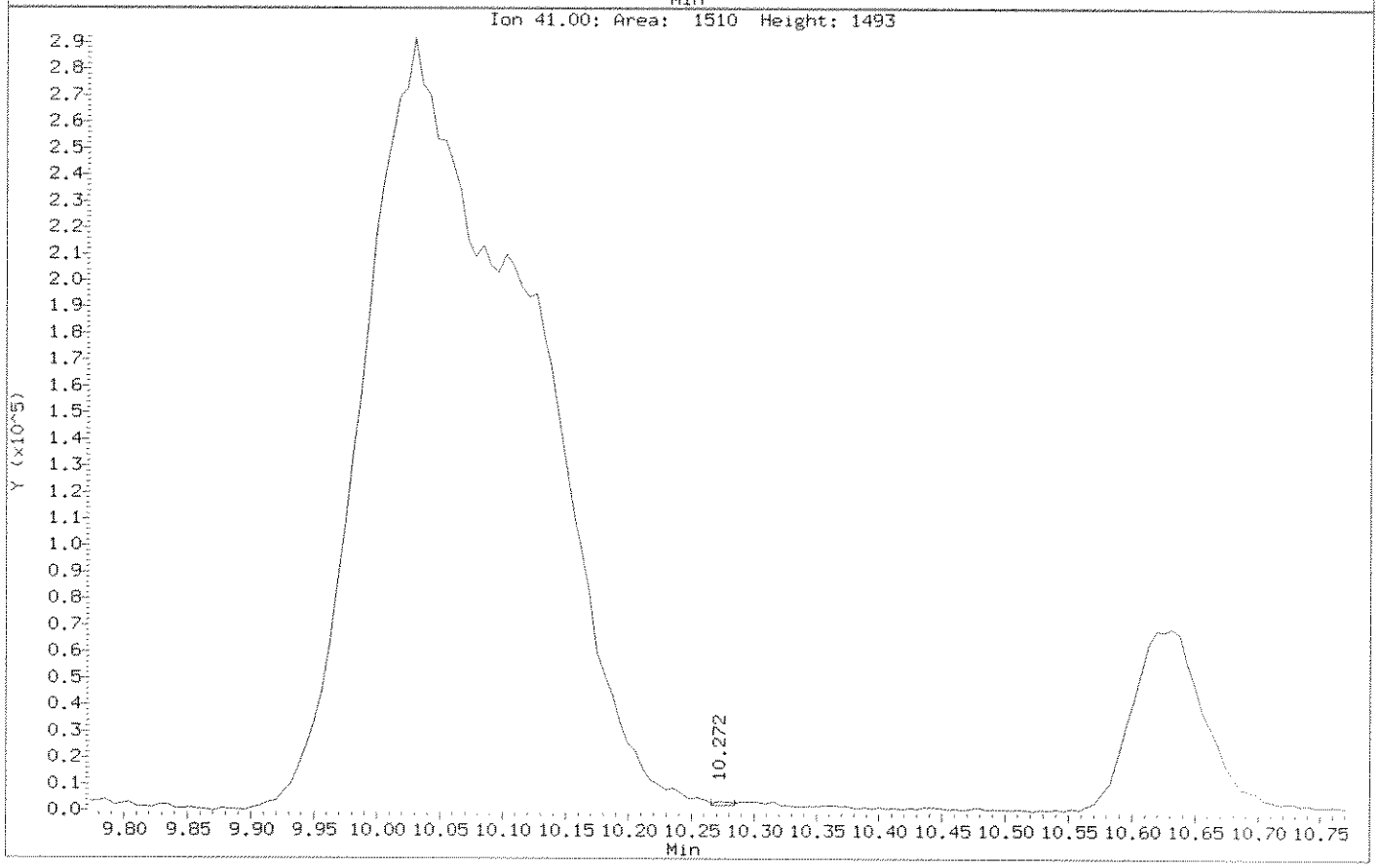




Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL9.D
Injection Date: 13-DEC-2010 20:16
Instrument: voa3.i
Client Sample ID: SEQ-CAL9

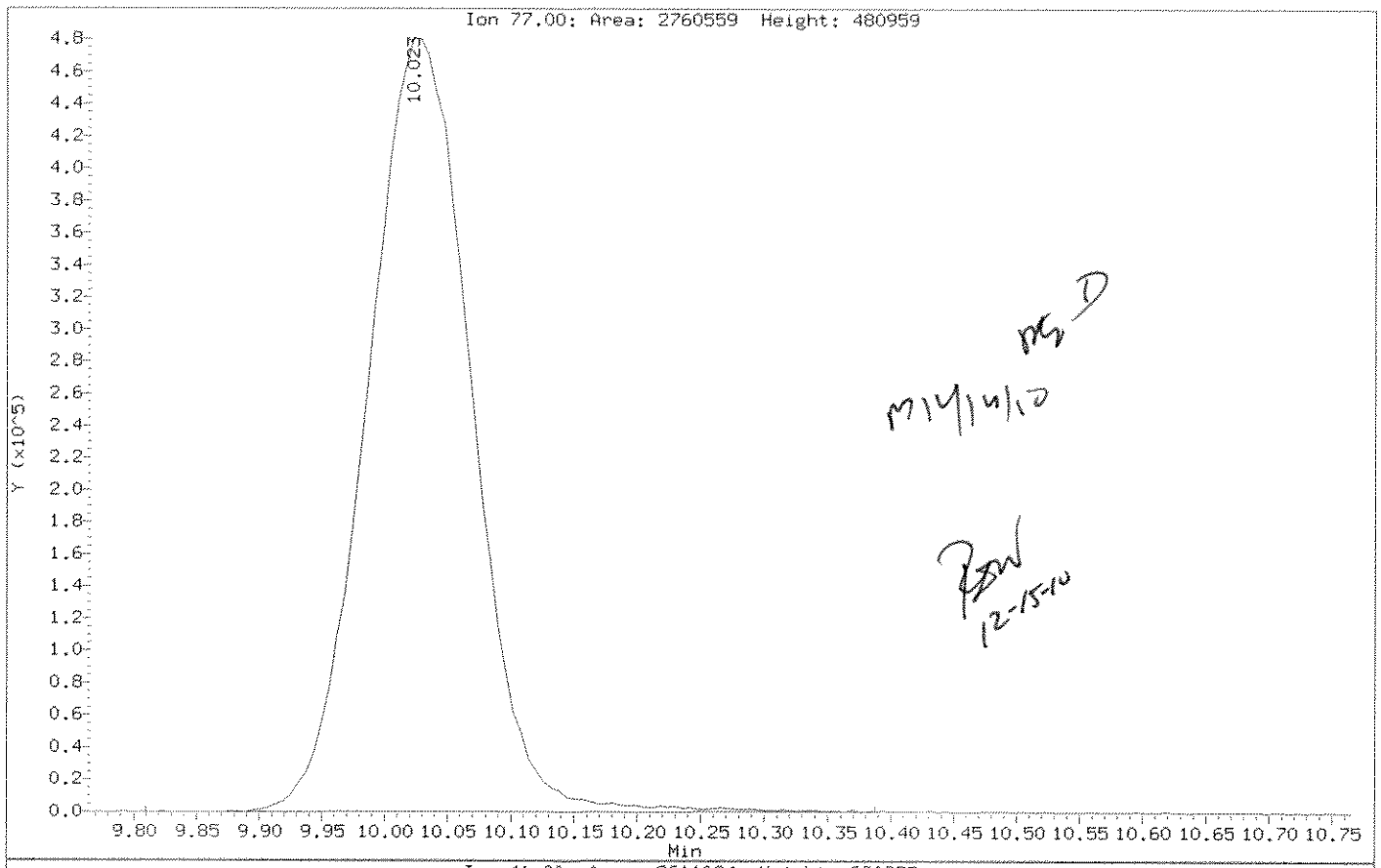
Compound: 2,2-Dichloropropane
CAS Number: 594-20-7





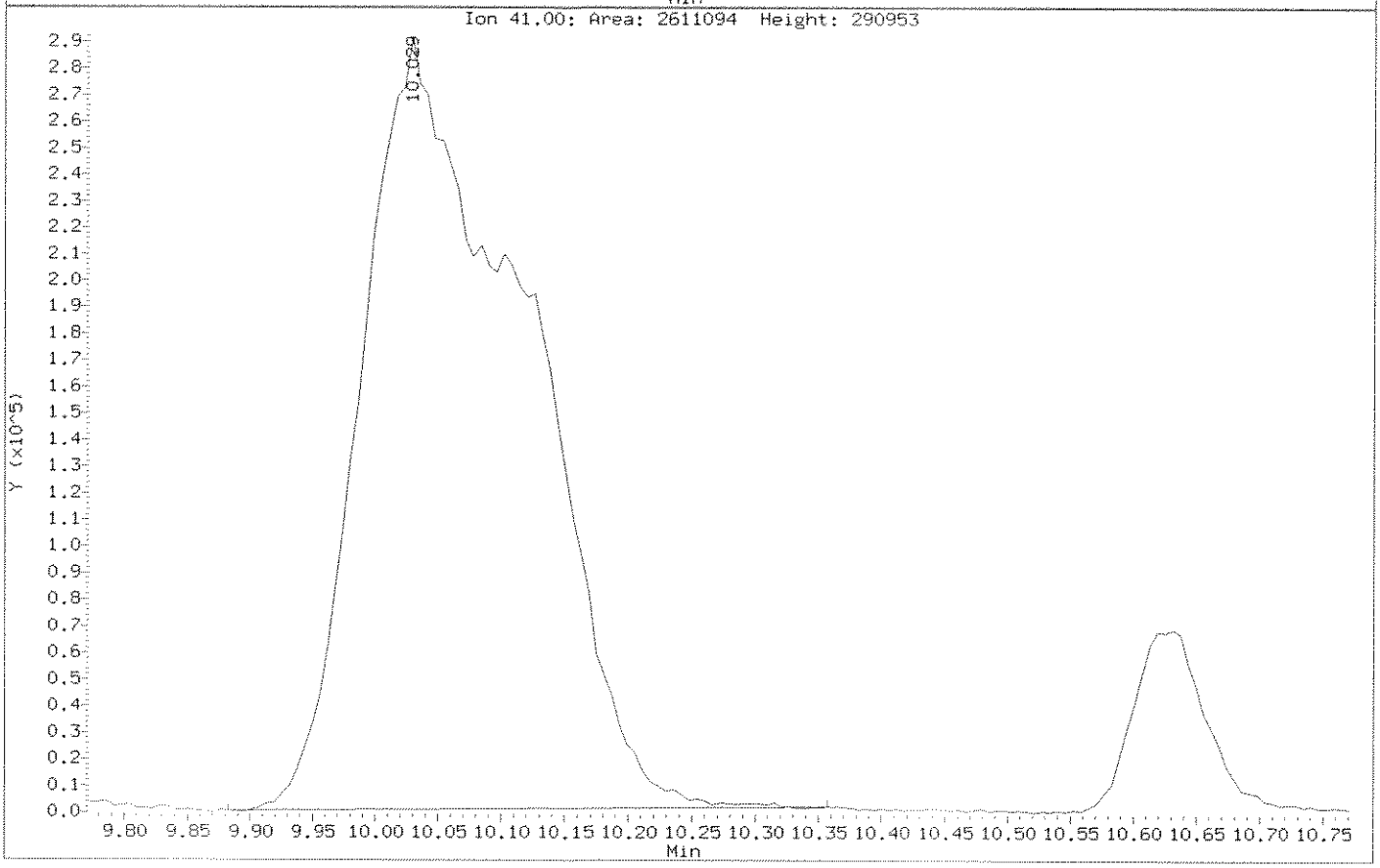
Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL9.D
Injection Date: 13-DEC-2010 20:16
Instrument: voa3.i
Client Sample ID: SEQ-CAL9

Compound: 2,2-Dichloropropane
CAS Number: 594-20-7



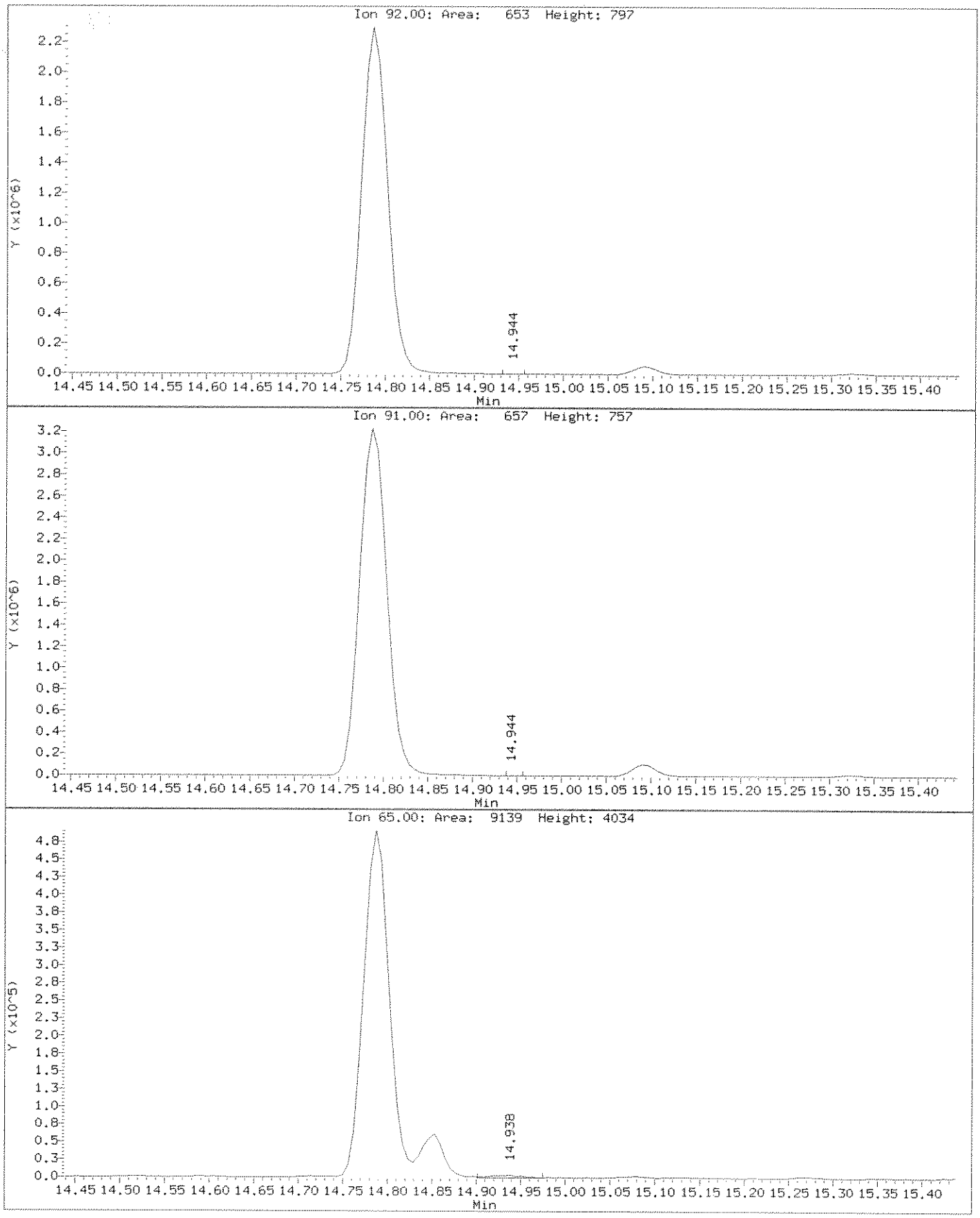
MJ 12/14/10

RBW 12-15-10



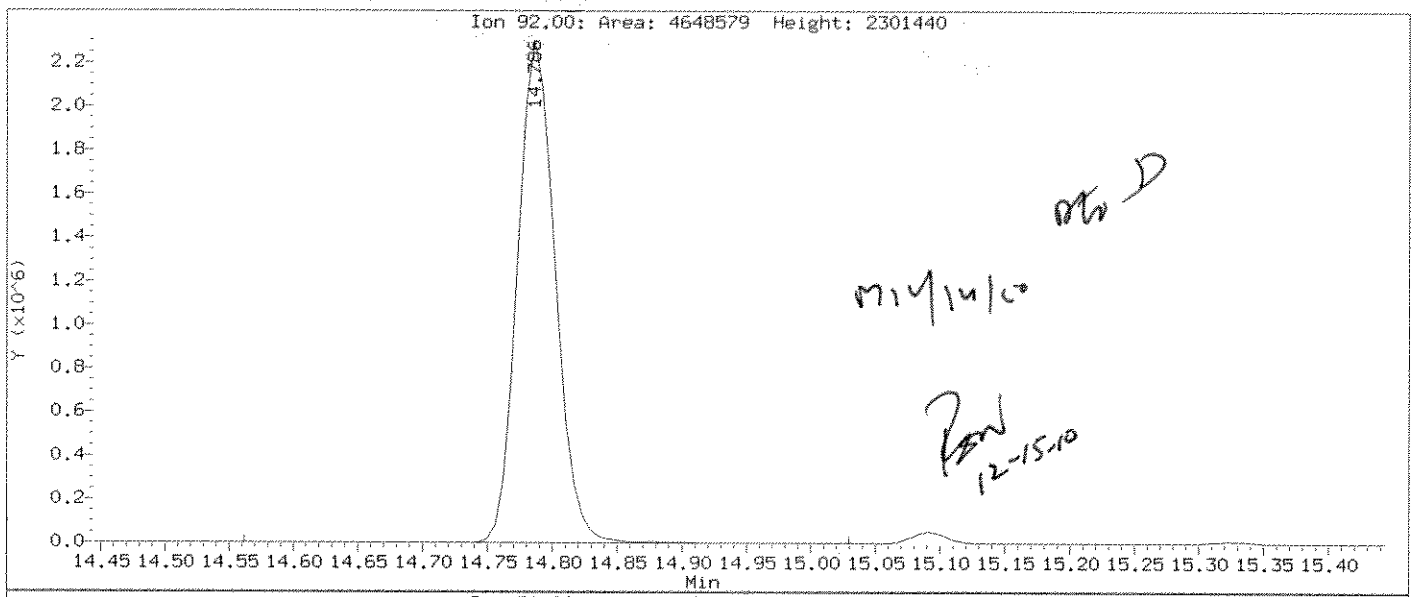
Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL9.D
Injection Date: 13-DEC-2010 20:16
Instrument: voa3.i
Client Sample ID: SEQ-CAL9

Compound: Toluene
CAS Number: 108-88-3

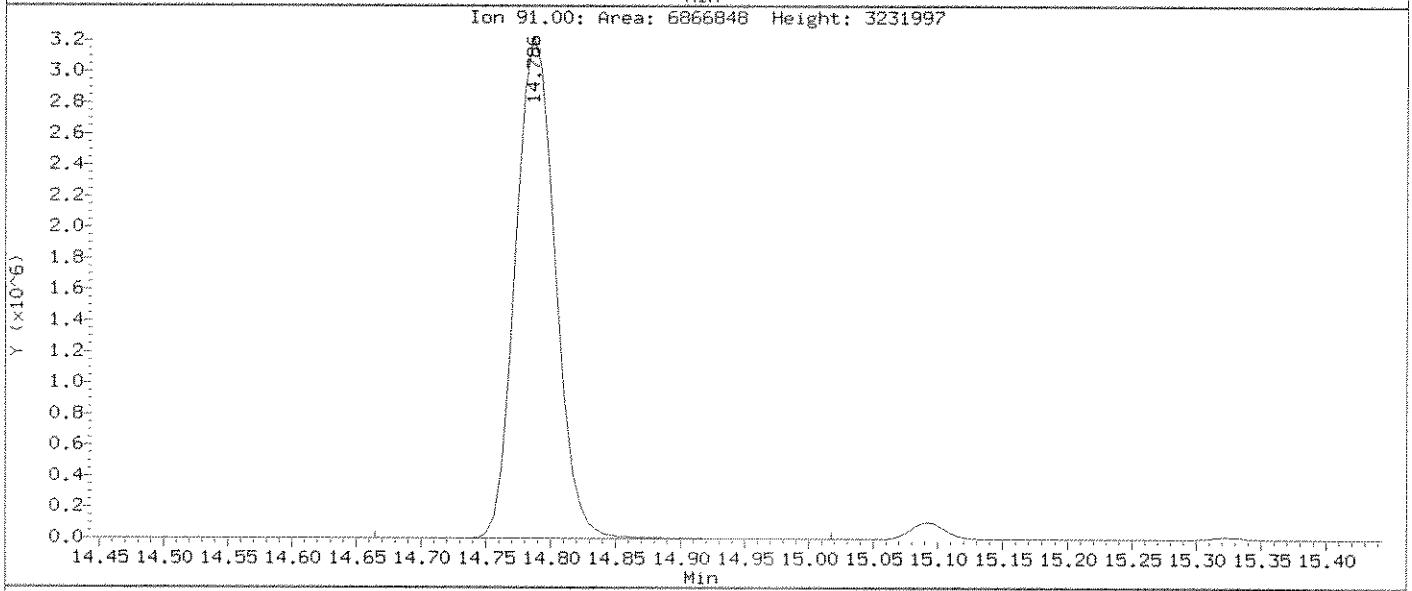


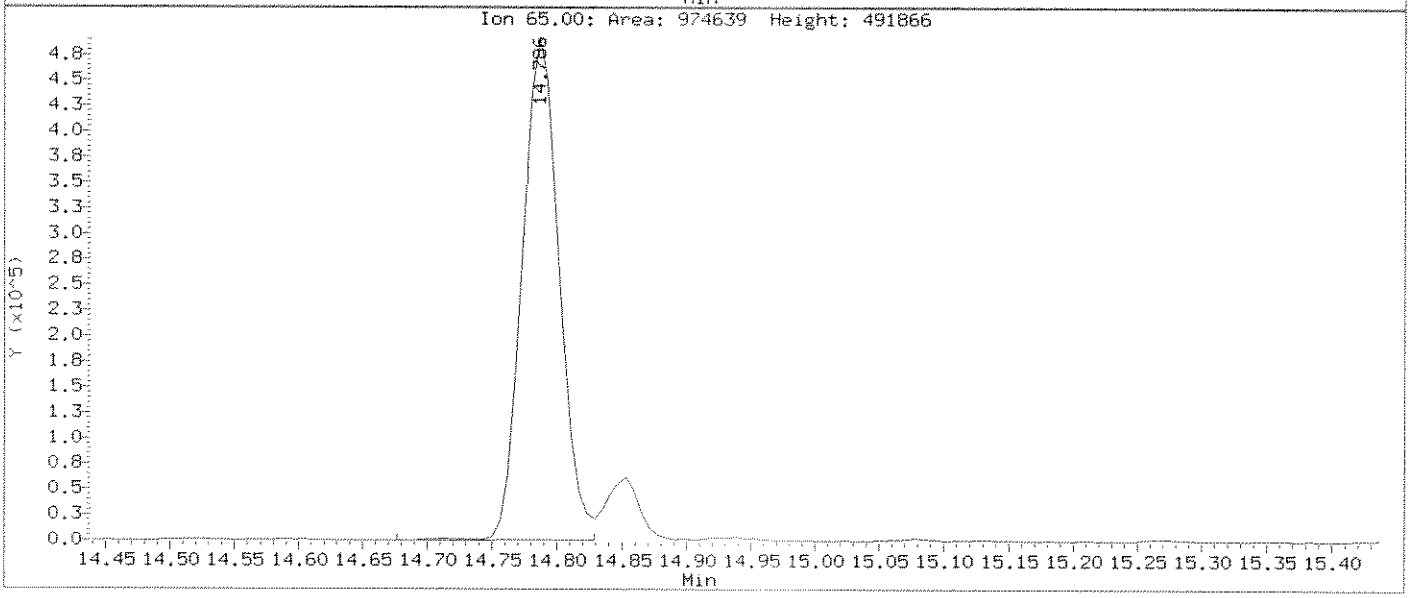
Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CAL9.D
Injection Date: 13-DEC-2010 20:16
Instrument: voa3.i
Client Sample ID: SEQ-CAL9

Compound: Toluene
CAS Number: 108-88-3



MD
M 12/14/10
12-15-10





Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-ICV1.D
Report Date: 15-Dec-2010 05:53

Laboratory Name

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: SEQ-ICV1
Level: LOW
Data Type: MS DATA
SpikeList File: igmall-k.spk
Sublist File: gmall-k.sub
Method File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Misc Info: ;3;;;;gmall-k.sub;

Client SDG: SDGa58375
Fraction: VOA
Client Smp ID: SEQ-ICV1
Operator: adm
SampleType: ICV
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	1 Dichlorodifluorome	50.00	58.50	117.00	80-120
	2 Chloromethane	50.00	55.57	111.14	80-120
	4 Vinyl chloride	50.00	55.27	110.54	80-120
	7 Bromomethane	50.00	47.02	94.04	80-120
	8 Chloroethane	50.00	50.21	100.42	80-120
	10 Acrolein	250.0	0.0000	*	80-120
	11 Trichlorofluoromet	50.00	53.48	106.96	80-120
	26 Trichlorotrifluoro	50.00	54.12	108.24	80-120
	22 1,1-Dichloroethene	50.00	52.90	105.80	80-120
	15 t-Butyl alcohol	250.0	275.2	110.08	80-120
	16 tert-Amyl alcohol	250.0	296.3	118.52	80-120
	23 Iodomethane	50.00	53.43	106.86	80-120
	24 Acrylonitrile	250.0	273.4	109.36	80-120
	27 Methyl acetate	50.00	49.37	98.74	80-120
	29 Carbon disulfide	50.00	54.66	109.32	80-120
	25 Methylene chloride	50.00	48.88	97.76	80-120
	32 trans-1,2-Dichloro	50.00	51.72	103.44	80-120
	33 MTBE	50.00	50.46	100.92	80-120
	34 1,1-Dichloroethane	50.00	51.14	102.28	80-120
	37 Vinyl acetate	100.0	108.6	108.60	80-120
	45 Di-isopropyl ether	50.00	48.14	96.28	80-120
	46 cis-1,2-Dichloroet	50.00	50.70	101.40	80-120
M	30 1,2-Dichloroethene	100.0	102.4	102.40	80-120
	48 Bromochloromethane	50.00	50.91	101.82	80-120
	49 Chloroform	50.00	49.64	99.28	80-120
	53 Tetrahydrofuran	50.00	49.40	98.80	80-120
	56 1,1,1-Trichloroeth	50.00	52.02	104.04	80-120
	59 Cyclohexane	50.00	51.46	102.92	80-120
	60 Carbon tetrachlori	50.00	55.16	110.32	80-120
	61 Benzene	50.00	51.43	102.86	80-120
	55 1,2-Dichloroethane	50.00	50.93	101.86	80-120
	58 ETBE	50.00	50.90	101.80	80-120
	50 2,2-Dichloropropan	50.00	48.83	97.66	80-120

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-ICV1.D
Report Date: 15-Dec-2010 05:53

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
57 1,1-Dichloropropen	50.00	53.49	106.98	80-120
63 tert-Amyl Methyl E	50.00	44.41	88.82	80-120
67 Trichloroethene	50.00	49.96	99.92	80-120
66 1,2-Dichloropropan	50.00	51.40	102.80	80-120
65 Dibromomethane	50.00	51.40	102.80	80-120
70 Methyl methacrylat	50.00	55.10	110.20	80-120
68 Bromodichlorometha	50.00	56.24	112.48	80-120
71 2-Chloroethyl viny	100.0	95.70	95.70	80-120
73 tert-Amyl Ethyl Et	50.00	48.55	97.10	80-120
76 cis-1,3-Dichloropr	50.00	50.31	100.62	80-120
83 Toluene	50.00	50.57	101.14	80-120
78 trans-1,3-Dichloro	50.00	58.02	116.04	80-120
85 Ethyl methacrylate	50.00	52.37	104.74	80-120
80 1,1,2-Trichloroeth	50.00	49.66	99.32	80-120
89 Tetrachloroethene	50.00	51.57	103.14	80-120
87 Dibromochlorometha	50.00	57.96	115.92	80-120
88 1,2-Dibromoethane	50.00	51.46	102.92	80-120
74 Methyl cyclohexane	50.00	50.68	101.36	80-120
93 Chlorobenzene	50.00	50.62	101.24	80-120
94 Ethylbenzene	50.00	51.52	103.04	80-120
90 1,1,1,2-Tetrachlor	50.00	53.34	106.68	80-120
91 1-Chlorohexane	50.00	50.59	101.18	80-120
95 m,p-Xylene	100.0	95.81	95.81	80-120
M 107 Xylene(total)	150.0	146.0	97.33	80-120
99 o-Xylene	50.00	50.14	100.28	80-120
97 Styrene	50.00	50.98	101.96	80-120
96 Bromoform	50.00	48.51	97.02	80-120
103 Isopropylbenzene	50.00	54.85	109.70	80-120
98 1,1,2,2-Tetrachlor	50.00	48.92	97.84	80-120
84 1,3-Dichloropropan	50.00	52.64	105.28	80-120
100 1,2,3-Trichloropro	50.00	53.17	106.34	80-120
108 n-Propylbenzene	50.00	51.52	103.04	80-120
113 1,3,5-Trimethylben	50.00	50.40	100.80	80-120
111 1,2,4-Trimethylben	50.00	50.58	101.16	80-120
114 sec-Butylbenzene	50.00	51.43	102.86	80-120
112 tert-Butylbenzene	50.00	51.96	103.92	80-120
115 1,3-Dichlorobenzen	50.00	49.95	99.90	80-120
118 1,4-Dichlorobenzen	50.00	47.84	95.68	80-120
121 n-Butylbenzene	50.00	49.12	98.24	80-120
120 1,2-Dichlorobenzen	50.00	49.90	99.80	80-120
122 1,2-Dibromo-3-chlo	50.00	47.54	95.08	80-120
105 Bromobenzene	50.00	51.20	102.40	80-120
109 2-Chlorotoluene	50.00	49.75	99.50	80-120
110 4-Chlorotoluene	50.00	50.94	101.88	80-120
123 1,2,4-Trichloroben	50.00	48.77	97.54	80-120
124 Naphthalene	50.00	53.47	106.94	80-120
119 p-Isopropyltoluene	50.00	51.19	102.38	80-120

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-ICV1.D
Report Date: 15-Dec-2010 05:53

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
125 Hexachlorobutadie	50.00	0.0000	*	80-120
126 1,2,3-Trichloroben	50.00	50.02	100.04	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 51 Dibromofluorometha	30.00	30.97	103.23	85-115
$ 54 1,2-Dichloroethane	30.00	31.16	103.87	70-120
$ 81 Toluene-d8	30.00	30.80	102.67	85-120
$ 104 Bromofluorobenzene	30.00	30.31	101.03	75-120

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-ICV1.D
Report Date: 15-Dec-2010 05:53

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-ICV1.D
Lab Smp Id: SEQ-ICV1 Client Smp ID: SEQ-ICV1
Inj Date : 13-DEC-2010 20:46 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-ICV1
Misc Info : ;3;;;;gmall-k.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:23 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 10 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gmall-k.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

MIY 1/10

Ron 12-15-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	12.468	12.462	(1.000)	1193332	30.0000	
1 Dichlorodifluoromethane	85	3.519	3.519	(0.282)	509450	58.5046	58.50
2 Chloromethane	50	3.726	3.726	(0.299)	493301	55.5670	55.57
4 Vinyl chloride	62	3.933	3.927	(0.315)	419907	55.2715	55.27
7 Bromomethane	94	4.389	4.389	(0.352)	259862	47.0154	47.02
8 Chloroethane	64	4.553	4.553	(0.365)	235888	50.2134	50.21
11 Trichlorofluoromethane	101	5.265	5.265	(0.422)	779159	53.4779	53.48
15 t-Butyl alcohol	59	6.025	6.019	(0.483)	243184	275.163	275.2
16 tert-Amyl alcohol	59	10.977	10.965	(0.880)	173003	296.320	296.3
26 Trichlorotrifluoroethane	101	6.342	6.342	(0.509)	406630	54.1162	54.12
22 1,1-Dichloroethene	96	6.025	6.019	(0.483)	389090	52.9059	52.90
23 Iodomethane	142	6.068	6.068	(0.487)	606873	53.4263	53.43
29 Carbon disulfide	76	6.603	6.609	(0.530)	1352393	54.6584	54.66
25 Methylene chloride	84	6.244	6.244	(0.501)	468160	48.8814	48.88
24 Acrylonitrile	53	6.056	6.056	(0.486)	887402	273.352	273.4
32 trans-1,2-Dichloroethene	96	7.394	7.394	(0.593)	440988	51.7176	51.72

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-ICV1.D
Report Date: 15-Dec-2010 05:53

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	33 MTBE	73	7.650	7.650	(0.614)	1231587	50.4649	50.46
	34 1,1-Dichloroethane	63	7.905	7.905	(0.634)	807739	51.1449	51.14
	37 Vinyl acetate	43	8.185	8.185	(0.657)	1226516	108.650	108.6
	45 Di-isopropyl ether	45	9.031	9.031	(0.724)	1632373	48.1410	48.14
	46 cis-1,2-Dichloroethene	96	9.256	9.256	(0.742)	468248	50.6969	50.70
M	30 1,2-Dichloroethene(total)	96				909236	102.415	102.4
	48 Bromochloromethane	128	9.627	9.633	(0.772)	230449	50.9087	50.91
	53 Tetrahydrofuran	42	10.631	10.619	(0.853)	121032	49.4025	49.40
	49 Chloroform	83	9.791	9.785	(0.785)	828418	49.6356	49.64
	27 Methyl acetate	43	6.281	6.275	(0.504)	326040	49.3665	49.37
$	51 Dibromofluoromethane	111	10.101	10.101	(0.810)	320809	30.9686	30.97
	56 1,1,1-Trichloroethane	97	11.470	11.476	(0.920)	766706	52.0254	52.02
	58 ETBE	59	10.120	10.114	(0.812)	1547136	50.8974	50.90(M)
	59 Cyclohexane	56	11.957	11.963	(0.959)	724812	51.4602	51.46
	60 Carbon tetrachloride	117	12.072	12.072	(0.968)	652555	55.1635	55.16
$	54 1,2-Dichloroethane-d4	102	11.117	11.123	(0.892)	68453	31.1600	31.16
	61 Benzene	78	12.109	12.115	(0.971)	1778331	51.4272	51.43
	55 1,2-Dichloroethane	62	11.269	11.269	(0.904)	733006	50.9273	50.93
	50 2,2-Dichloropropane	77	10.028	10.022	(0.804)	679695	48.8272	48.83(Q)
	57 1,1-Dichloropropene	75	11.817	11.823	(0.948)	658750	53.4901	53.49
	63 tert-Amyl Methyl Ether	73	12.456	12.456	(0.999)	1259098	44.4089	44.41
	73 tert-Amyl Ethyl Ether	59	13.630	13.636	(1.093)	1321457	48.5512	48.55
	67 Trichloroethene	95	13.076	13.076	(1.049)	511414	49.9590	49.96
	66 1,2-Dichloropropane	63	12.997	12.997	(1.042)	485461	51.3990	51.40
	65 Dibromomethane	93	12.930	12.930	(1.037)	321755	51.4041	51.40
	70 Methyl methacrylate	41	13.386	13.387	(1.074)	478274	55.0963	55.10
	68 Bromodichloromethane	83	13.113	13.113	(1.052)	688908	56.2394	56.24
	71 2-Chloroethyl vinyl ether	63	13.709	13.703	(1.100)	610769	95.6955	95.70
	76 cis-1,3-Dichloropropene	75	13.946	13.952	(1.119)	777658	50.3115	50.31
$	81 Toluene-d8	98	14.713	14.713	(0.915)	1363743	30.8041	30.80
	83 Toluene	92	14.786	14.786	(0.919)	1293201	50.5731	50.57
	78 trans-1,3-Dichloropropene	75	14.439	14.439	(0.898)	801804	58.0232	58.02
	85 Ethyl methacrylate	69	14.913	14.914	(0.927)	635948	52.3688	52.37
	80 1,1,2-Trichloroethane	83	14.591	14.591	(0.907)	374158	49.6653	49.66
	89 Tetrachloroethene	166	15.516	15.516	(0.965)	540502	51.5669	51.57
	87 Dibromochloromethane	129	15.090	15.090	(0.938)	530423	57.9656	57.96
	88 1,2-Dibromoethane	107	15.321	15.327	(0.953)	524212	51.4621	51.46
	74 Methyl cyclohexane	83	13.739	13.739	(1.102)	593360	50.6827	50.68
*	92 Chlorobenzene-d5	82	16.082	16.075	(1.000)	648311	30.0000	
	93 Chlorobenzene	112	16.106	16.106	(1.002)	1472806	50.6223	50.62
	90 1,1,1,2-Tetrachloroethane	131	16.045	16.045	(0.998)	481729	53.3378	53.34
	91 1-Chlorohexane	91	16.063	16.063	(0.999)	1231053	50.5868	50.59
	94 Ethylbenzene	91	16.270	16.270	(1.012)	2479455	51.5180	51.52
	95 m,p-Xylene	91	16.428	16.428	(1.022)	3774465	95.8107	95.81
M	107 Xylene(total)	91				5818031	145.952	146.0
	99 o-Xylene	91	16.745	16.745	(1.041)	2043566	50.1411	50.14
	97 Styrene	104	16.684	16.684	(1.037)	1673373	50.9793	50.98

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-ICV1.D
Report Date: 15-Dec-2010 05:53

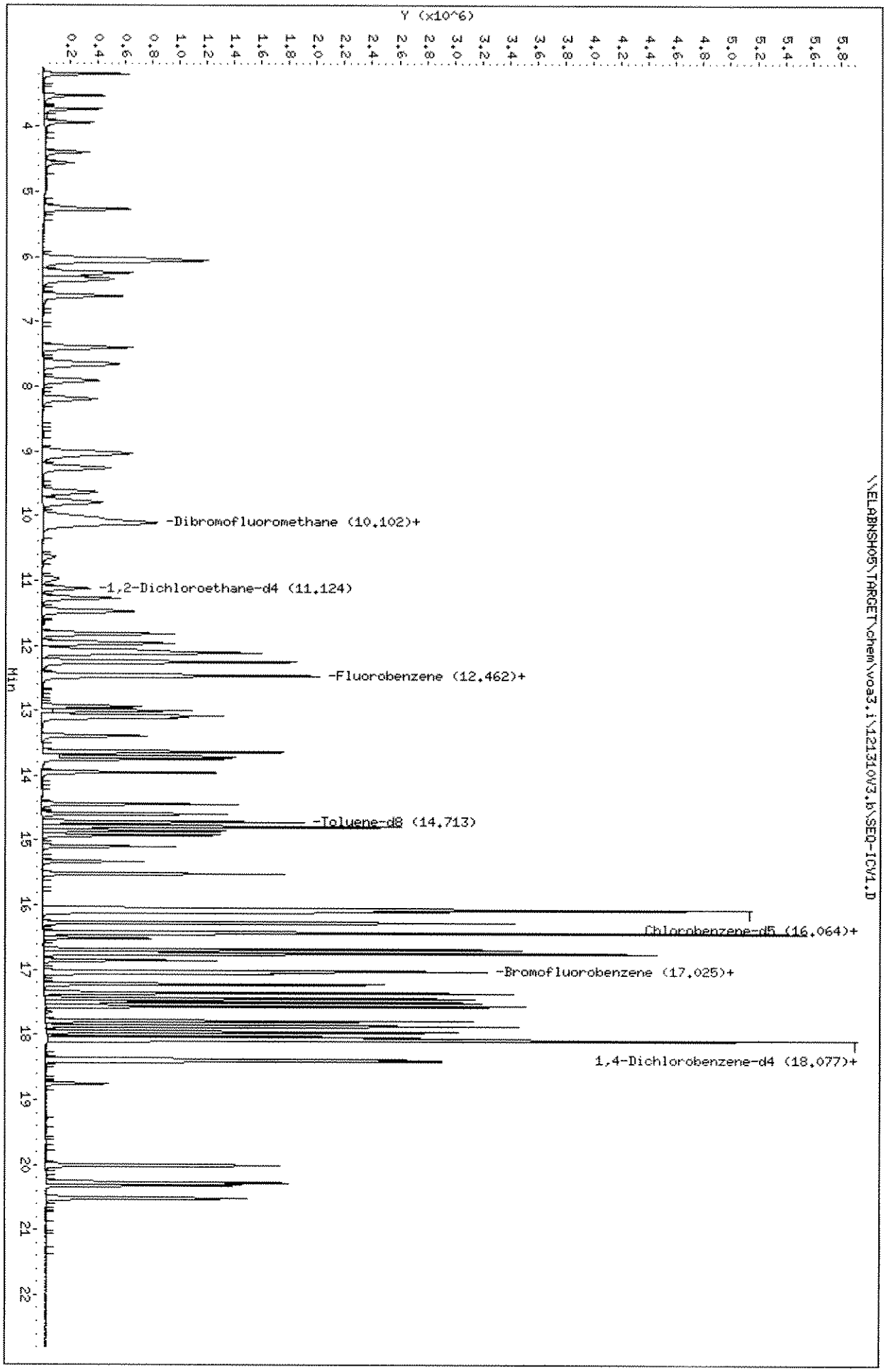
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
96 Bromoform	173	16.513	16.513	(1.027)	371756	48.5137	48.51
103 Isopropylbenzene	105	17.018	17.025	(1.058)	2195120	54.8521	54.85
$ 104 Bromofluorobenzene	95	17.055	17.055	(1.061)	641711	30.3067	30.31
98 1,1,2,2-Tetrachloroethane	83	16.751	16.751	(0.928)	590467	48.9158	48.92
84 1,3-Dichloropropane	76	14.847	14.853	(0.923)	767040	52.6454	52.64
100 1,2,3-Trichloropropane	110	16.854	16.854	(1.048)	192904	53.1738	53.17
108 n-Propylbenzene	91	17.353	17.359	(0.961)	2699512	51.5241	51.52
113 1,3,5-Trimethylbenzene	105	17.560	17.560	(0.972)	1970775	50.4028	50.40
111 1,2,4-Trimethylbenzene	105	17.864	17.864	(0.989)	2050929	50.5798	50.58
114 sec-Butylbenzene	105	17.955	17.955	(0.994)	2228317	51.4276	51.43
112 tert-Butylbenzene	119	18.083	18.083	(1.001)	1759281	51.9608	51.96
115 1,3-Dichlorobenzene	146	18.034	18.034	(0.999)	1111347	49.9512	49.95
* 117 1,4-Dichlorobenzene-d4	152	18.059	18.059	(1.000)	669316	30.0000	
118 1,4-Dichlorobenzene	146	18.083	18.083	(1.001)	1121212	47.8368	47.84
121 n-Butylbenzene	91	18.405	18.405	(1.019)	1667437	49.1200	49.12
120 1,2-Dichlorobenzene	146	18.375	18.375	(1.018)	1111131	49.9014	49.90
122 1,2-Dibromo-3-chloropropane	157	18.758	18.752	(1.039)	139965	47.5390	47.54
105 Bromobenzene	156	17.219	17.219	(0.954)	708622	51.1979	51.20
109 2-Chlorotoluene	91	17.438	17.438	(0.966)	1821176	49.7506	49.75
110 4-Chlorotoluene	91	17.499	17.499	(0.969)	1869212	50.9412	50.94
123 1,2,4-Trichlorobenzene	180	20.005	20.005	(1.108)	718287	48.7697	48.77
124 Naphthalene	128	20.273	20.273	(1.123)	1810867	53.4698	53.47
119 p-Isopropyltoluene	119	17.785	17.785	(0.985)	1560461	51.1909	51.19
126 1,2,3-Trichlorobenzene	180	20.510	20.516	(1.136)	648788	50.0241	50.02

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

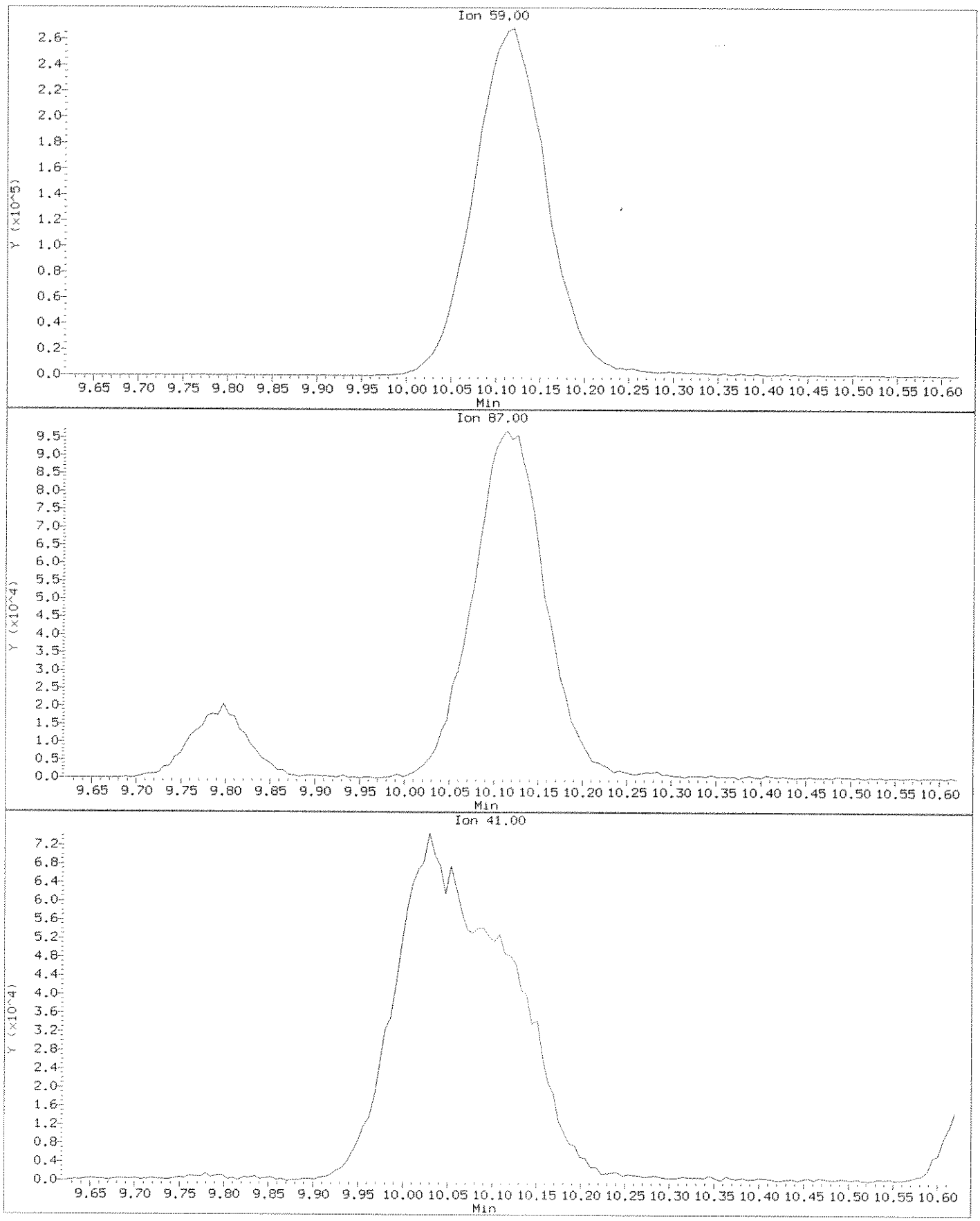
Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-ICV1.D
Date : 13-DEC-2010 20:46
Client ID: SEQ-ICV1
Sample Info: SEQ-ICV1
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa3.i
Operator: adm
Column diameter: 0.25



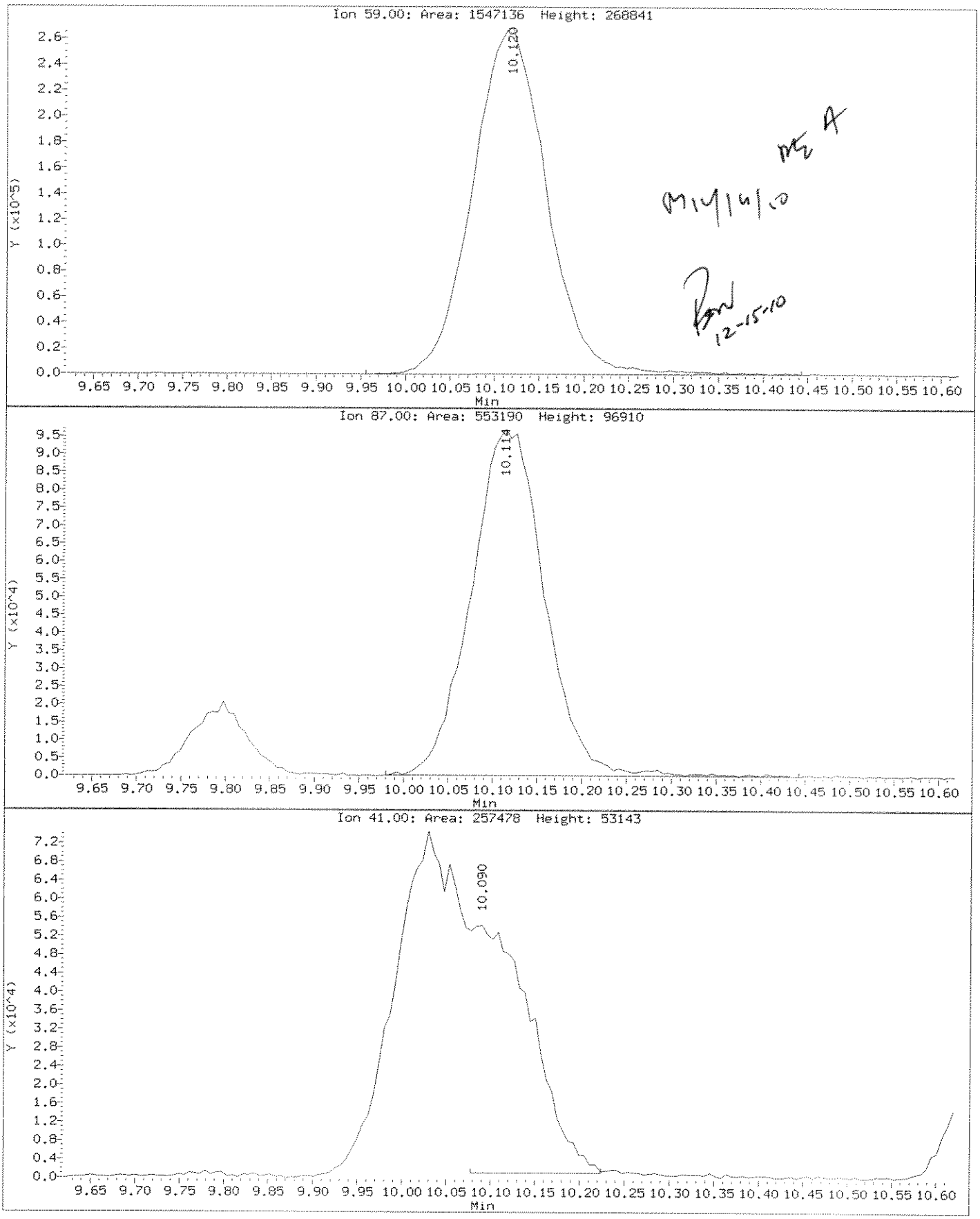
Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-ICV1.D
Injection Date: 13-DEC-2010 20:46
Instrument: voa3.i
Client Sample ID: SEQ-ICV1

Compound: ETBE
CAS Number: 637-92-3



Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-ICV1.D
Injection Date: 13-DEC-2010 20:46
Instrument: voa3.i
Client Sample ID: SEQ-ICV1

Compound: ETBE
CAS Number: 637-92-3



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALA.D
Report Date: 14-Dec-2010 08:03

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALA.D
Lab Smp Id: SEQ-CALA
Client Smp ID: SEQ-CALA
Inj Date : 13-DEC-2010 21:46
MS Autotune Date: 13-DEC-2010 15:35
Operator : adm
Inst ID: voa3.i
Smp Info : SEQ-CALA
Misc Info : ;1;;;1;ketones.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:03 amonteiro
Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37
Cal File: SEQ-CALR.D
Als bottle: 12
Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: ketones.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

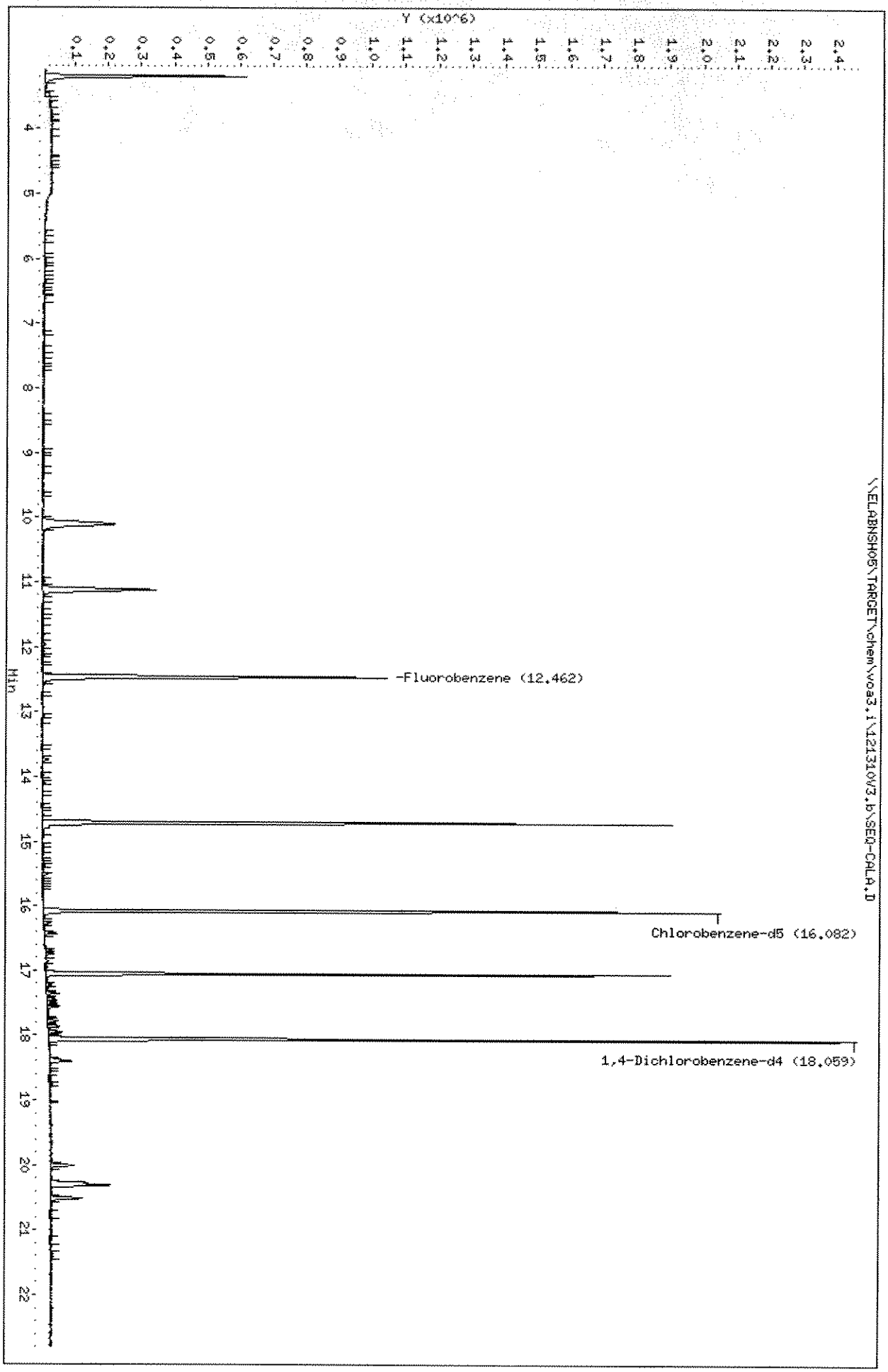
MLG 1-4-10

12-15-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.468	12.468	(1.000)	1204800	30.0000	
14 Acetone	43	5.386	5.386	(0.432)	2781	1.00000	0.9697(a)
43 2-Butanone	43	8.945	8.945	(0.717)	2159	1.00000	1.680(a)
77 4-Methyl-2-pentanone	43	14.104	14.104	(1.131)	4852	1.00000	0.5220(a)
86 2-Hexanone	43	15.059	15.059	(0.936)	2903	1.00000	0.4416(a)
* 92 Chlorobenzene-d5	82	16.081	16.081	(1.000)	653422	30.0000	
* 117 1,4-Dichlorobenzene-d4	152	18.058	18.058	(1.000)	702843	30.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).


Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CALA.D
Date : 13-DEC-2010 21:46
Client ID: SEQ-CALA
Sample Info: SEQ-CALA
Purge Volume: 5.0
Column phase: RTX-VRX
Instrument: voa3.i
Operator: adm
Column diameter: 0.25
\\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CALA.D
Y (x10^6)
Min
-Fluorobenzene (12.462)
Chlorobenzene-d5 (16.082)
1,4-Dichlorobenzene-d4 (18.059)

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALB.D
Report Date: 14-Dec-2010 08:03

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALB.D
Lab Smp Id: SEQ-CALB
Client Smp ID: SEQ-CALB
Inj Date : 13-DEC-2010 22:15
MS Autotune Date: 13-DEC-2010 15:35
Operator : adm
Inst ID: voa3.i
Smp Info : SEQ-CALB
Misc Info : ;1;;;2;ketones.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:03 amonteiro
Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37
Cal File: SEQ-CALR.D
Als bottle: 13
Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: ketones.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

MM 1/4/10

12-15-10

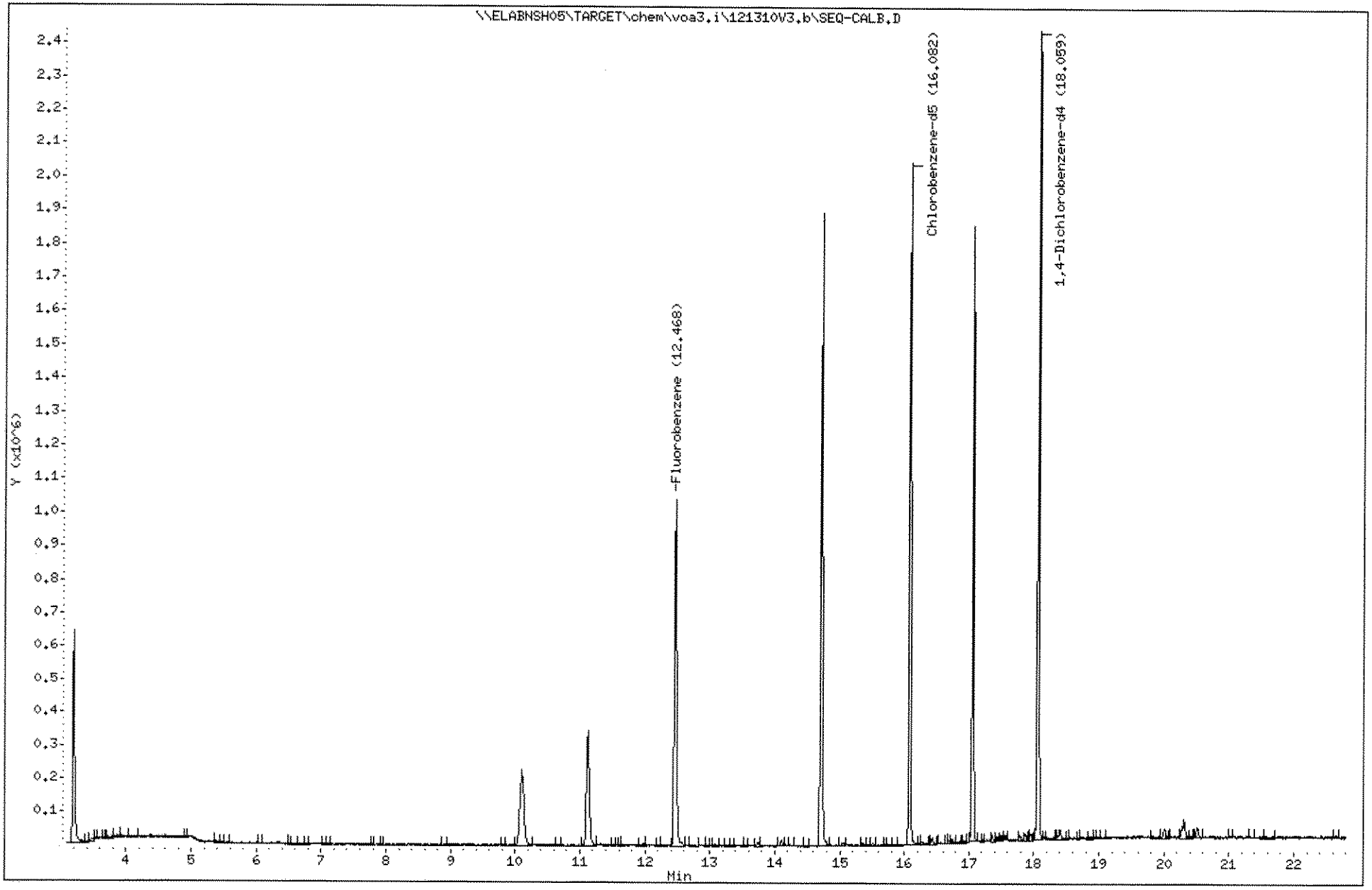
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.468	12.468	(1.000)	1201615	30.0000	
14 Acetone	43	5.380	5.380	(0.432)	5611	2.00000	1.962(a)
43 2-Butanone	43	8.933	8.933	(0.717)	7808	2.00000	2.998(a)
77 4-Methyl-2-pentanone	43	14.104	14.104	(1.131)	16303	2.00000	1.759(a)
86 2-Hexanone	43	15.041	15.041	(0.935)	10203	2.00000	1.565(a)
* 92 Chlorobenzene-d5	82	16.081	16.081	(1.000)	648026	30.0000	
* 117 1,4-Dichlorobenzene-d4	152	18.059	18.059	(1.000)	705138	30.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALB.D
Date : 13-DEC-2010 22:15
Client ID: SEQ-CALB
Sample Info: SEQ-CALB
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa3.i
Operator: adm
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALC.D
Report Date: 14-Dec-2010 08:04

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALC.D
Lab Smp Id: SEQ-CALC
Client Smp ID: SEQ-CALC
Inj Date : 13-DEC-2010 22:45
MS Autotune Date: 13-DEC-2010 15:35
Operator : adm
Inst ID: voa3.i
Smp Info : SEQ-CALC
Misc Info : ;1;;;3;ketones.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:03 amonteiro
Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37
Cal File: SEQ-CALR.D
Als bottle: 14
Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: ketones.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

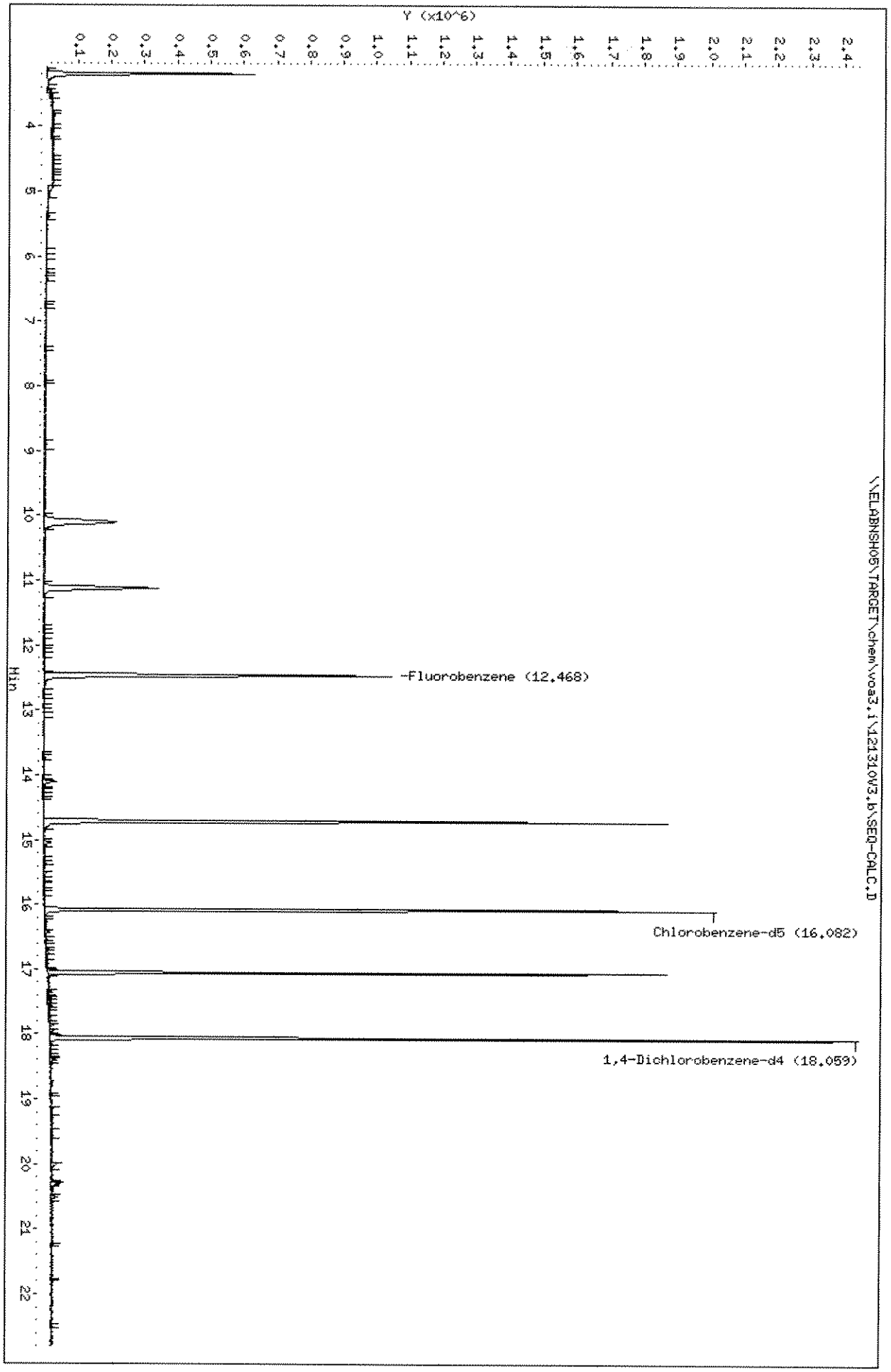
MM/14/10

12-15-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.468	12.468	(1.000)	1200400	30.0000	
14 Acetone	43	5.393	5.393	(0.433)	11470	4.00000	4.014(a)
43 2-Butanone	43	8.903	8.903	(0.714)	5010	4.00000	2.347(a)
77 4-Methyl-2-pentanone	43	14.104	14.104	(1.131)	36064	4.00000	3.894(a)
86 2-Hexanone	43	15.047	15.047	(0.936)	22012	4.00000	3.427(a)
* 92 Chlorobenzene-d5	82	16.075	16.075	(1.000)	638495	30.0000	
* 117 1,4-Dichlorobenzene-d4	152	18.059	18.059	(1.000)	693521	30.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).


Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CALC.D
Date : 13-DEC-2010 22:45
Client ID: SEQ-CALC
Sample Info: SEQ-CALC
Purge Volume: 5.0
Column phase: RTX-VRX
Instrument: voa3.i
Operator: adm
Column diameter: 0.25
\\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CALC.D
Y (x10^6)
Min
-Fluorobenzene (12.468)
Chlorobenzene-d5 (16.082)
1,4-Dichlorobenzene-d4 (18.059)

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALD.D
Report Date: 14-Dec-2010 08:04

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALD.D
Lab Smp Id: SEQ-CALD Client Smp ID: SEQ-CALD
Inj Date : 13-DEC-2010 23:15 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-CALD
Misc Info : ;1;;;4;ketones.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:04 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 15 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ketones.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

M 14/14/10

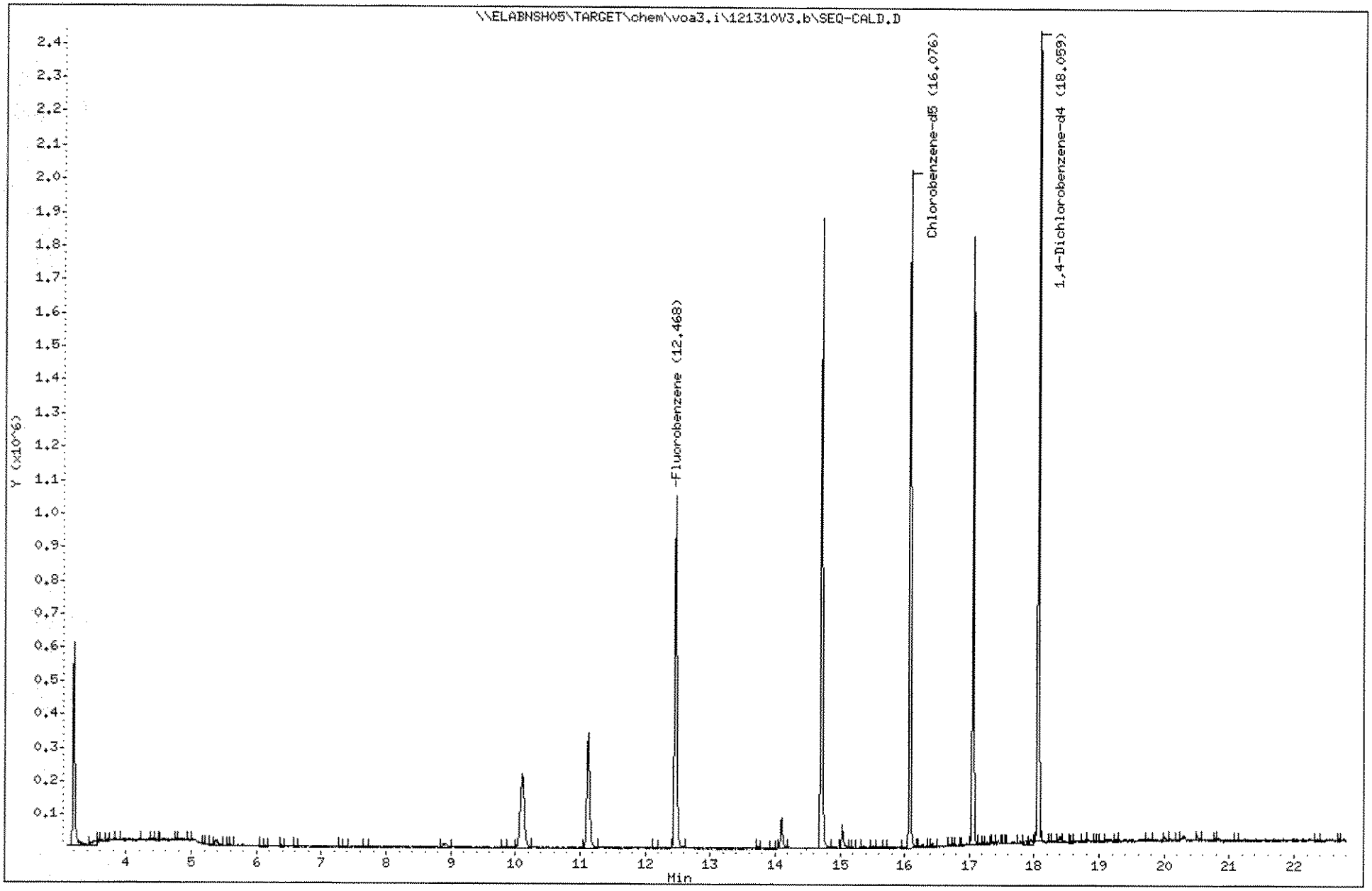
12-15-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.468	12.468	(1.000)	1178088	30.0000	
14 Acetone	43	5.380	5.380	(0.432)	28180	10.0000	10.05
43 2-Butanone	43	8.897	8.897	(0.714)	38044	10.0000	10.22
77 4-Methyl-2-pentanone	43	14.098	14.098	(1.131)	81185	10.0000	8.933
86 2-Hexanone	43	15.035	15.035	(0.935)	59601	10.0000	9.299
* 92 Chlorobenzene-d5	82	16.075	16.075	(1.000)	637120	30.0000	
* 117 1,4-Dichlorobenzene-d4	152	18.058	18.058	(1.000)	689945	30.0000	

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALD.D
Date : 13-DEC-2010 23:15
Client ID: SEQ-CALD
Sample Info: SEQ-CALD
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa3.i

Operator: adm
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALE.D
Report Date: 14-Dec-2010 08:04

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALE.D
Lab Smp Id: SEQ-CALE Client Smp ID: SEQ-CALE
Inj Date : 13-DEC-2010 23:44 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-CALE
Misc Info : ;1;;;5;ketones.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:04 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 16 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ketones.sub
Target Version: 4.04
Processing Host: TARGET02_VM

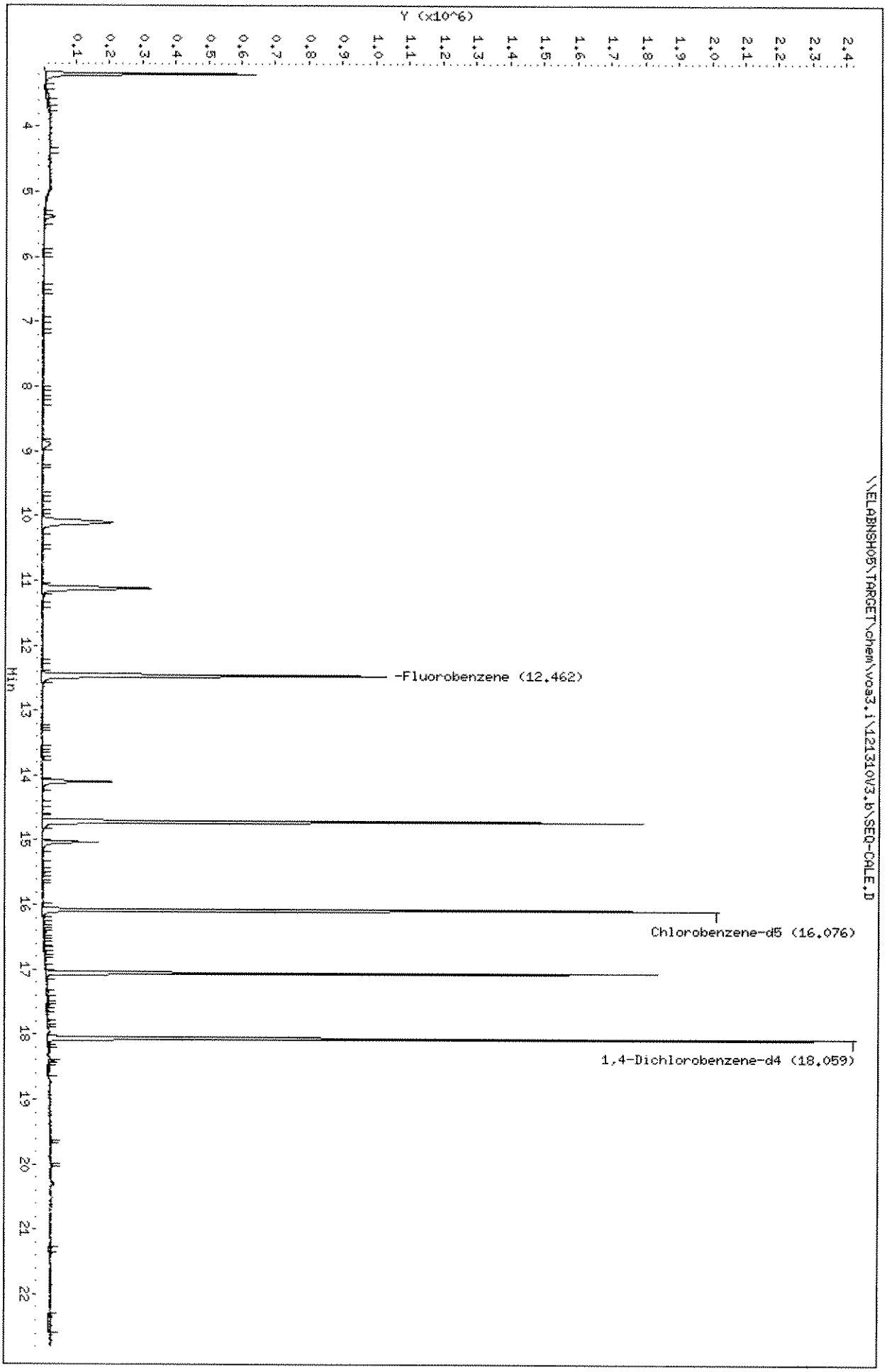
Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

M|M|14|10

12-15-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.468	12.468	(1.000)	1178649	30.0000	
14 Acetone	43	5.381	5.381	(0.432)	58803	20.0000	20.96
43 2-Butanone	43	8.897	8.897	(0.714)	73013	20.0000	18.53
77 4-Methyl-2-pentanone	43	14.098	14.098	(1.131)	185432	20.0000	20.39
86 2-Hexanone	43	15.029	15.029	(0.935)	139286	20.0000	21.72
* 92 Chlorobenzene-d5	82	16.075	16.075	(1.000)	637513	30.0000	
* 117 1,4-Dichlorobenzene-d4	152	18.059	18.059	(1.000)	684250	30.0000	


Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CALE.D
Date : 13-DEC-2010 23:44
Client ID: SEQ-CALE
Sample Info: SEQ-CALE
Purge Volume: 5.0
Column phase: RTX-VRX
Instrument: voa3.i
Operator: adm
Column diameter: 0.25
\\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CALE.D
Y (x10^6)
Min
-Fluorobenzene (12.462)
Chlorobenzene-d5 (16.076)
1,4-Dichlorobenzene-d4 (18.059)

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALF.D
Report Date: 14-Dec-2010 08:04

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALF.D
Lab Smp Id: SEQ-CALF Client Smp ID: SEQ-CALF
Inj Date : 14-DEC-2010 00:14 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-CALF
Misc Info : ;1;;;6;ketones.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:04 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 17 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ketones.sub
Target Version: 4.04
Processing Host: TARGET02_VM

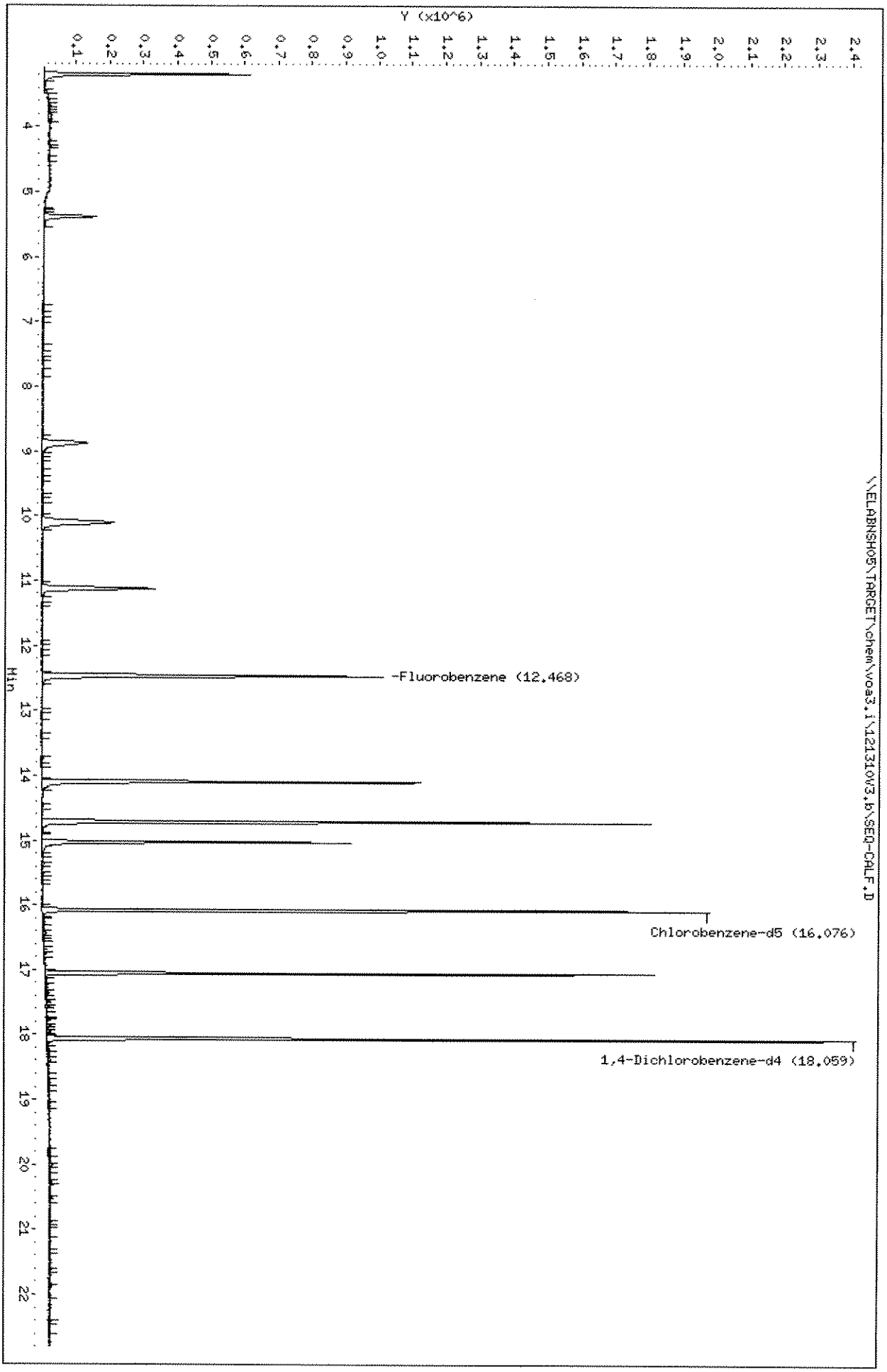
Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.468	12.468	(1.000)	1153644	30.0000	
14 Acetone	43	5.380	5.380	(0.432)	268771	100.000	97.87
43 2-Butanone	43	8.878	8.878	(0.712)	398262	100.000	97.88
77 4-Methyl-2-pentanone	43	14.092	14.092	(1.130)	937586	100.000	105.4
86 2-Hexanone	43	15.023	15.023	(0.935)	689758	100.000	108.6
* 92 Chlorobenzene-d5	82	16.075	16.075	(1.000)	631637	30.0000	
* 117 1,4-Dichlorobenzene-d4	152	18.059	18.059	(1.000)	670953	30.0000	

Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CALF.D
Date : 14-DEC-2010 00:14
Client ID: SEQ-CALF
Sample Info: SEQ-CALF
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa3.i
Operator: adm
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALG.D
Report Date: 14-Dec-2010 08:04

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALG.D
Lab Smp Id: SEQ-CALG Client Smp ID: SEQ-CALG
Inj Date : 14-DEC-2010 00:44 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-CALG
Misc Info : ;1;;;7;ketones.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:04 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 18 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ketones.sub
Target Version: 4.04
Processing Host: TARGET02_VM

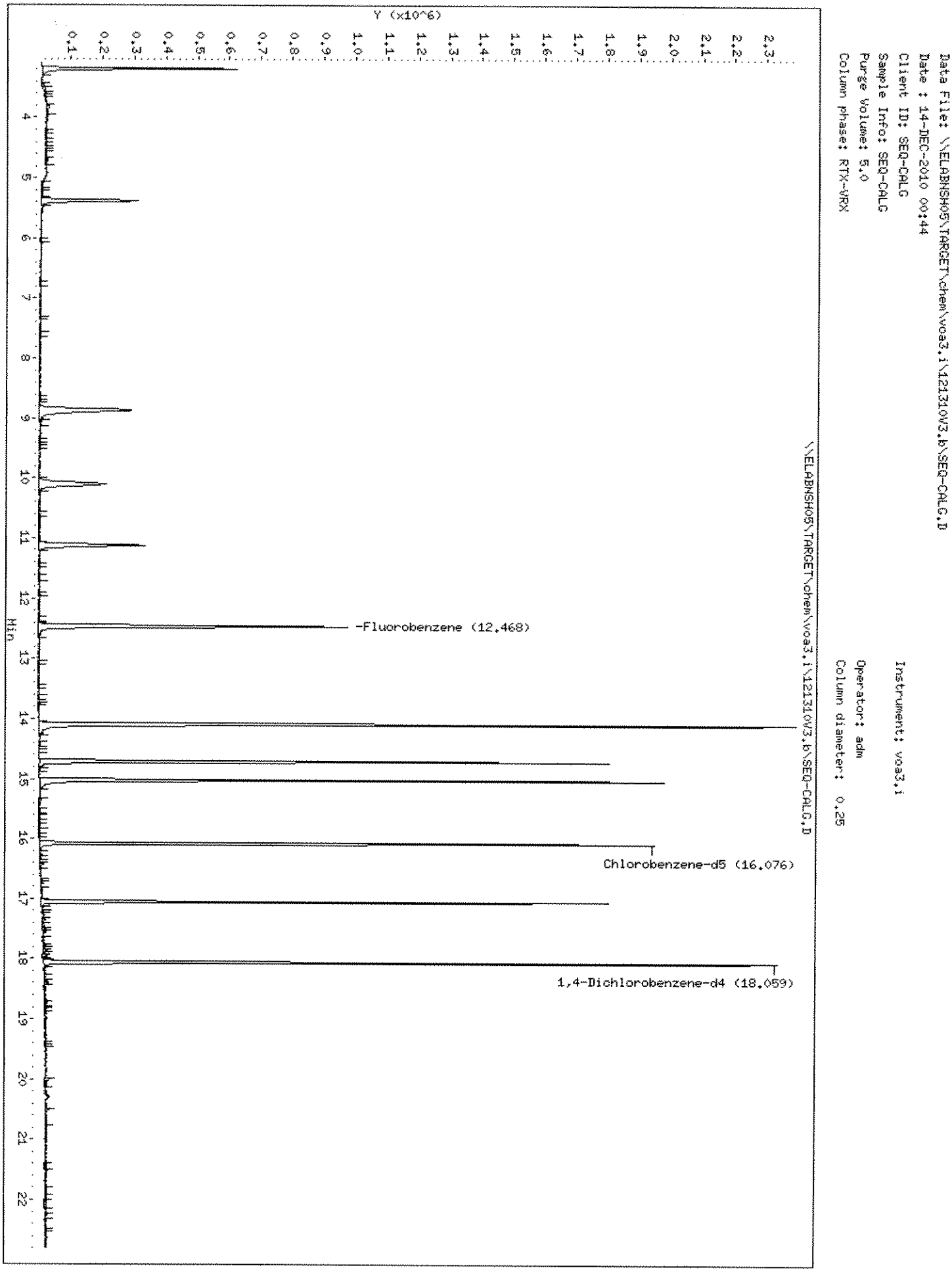
Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

M 12/14/10

12-15-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.468	12.468	(1.000)	1142685	30.0000	
14 Acetone	43	5.374	5.374	(0.431)	546613	200.000	201.0
43 2-Butanone	43	8.866	8.866	(0.711)	841014	200.000	207.3
77 4-Methyl-2-pentanone	43	14.092	14.092	(1.130)	1949592	200.000	221.2
86 2-Hexanone	43	15.023	15.023	(0.935)	1439055	200.000	231.5
* 92 Chlorobenzene-d5	82	16.075	16.075	(1.000)	618008	30.0000	
* 117 1,4-Dichlorobenzene-d4	152	18.059	18.059	(1.000)	663313	30.0000	


Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALG.D
Date : 14-DEC-2010 00:44
Client ID: SEQ-CALG
Sample Info: SEQ-CALG
Purge Volume: 5.0
Column phase: RTX-VRX
Instrument: voa3.i
Operator: adm
Column diameter: 0.25
\\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALG.D
Y (x10^6)
Min
-Fluorobenzene (12.468)
Chlorobenzene-d5 (16.076)
1,4-Dichlorobenzene-d4 (18.059)

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALH.D
Report Date: 14-Dec-2010 08:04

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALH.D
Lab Smp Id: SEQ-CALH Client Smp ID: SEQ-CALH
Inj Date : 14-DEC-2010 01:13 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-CALH
Misc Info : ;1;;;8;ketones.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:04 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 19 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ketones.sub
Target Version: 4.04
Processing Host: TARGET02_VM

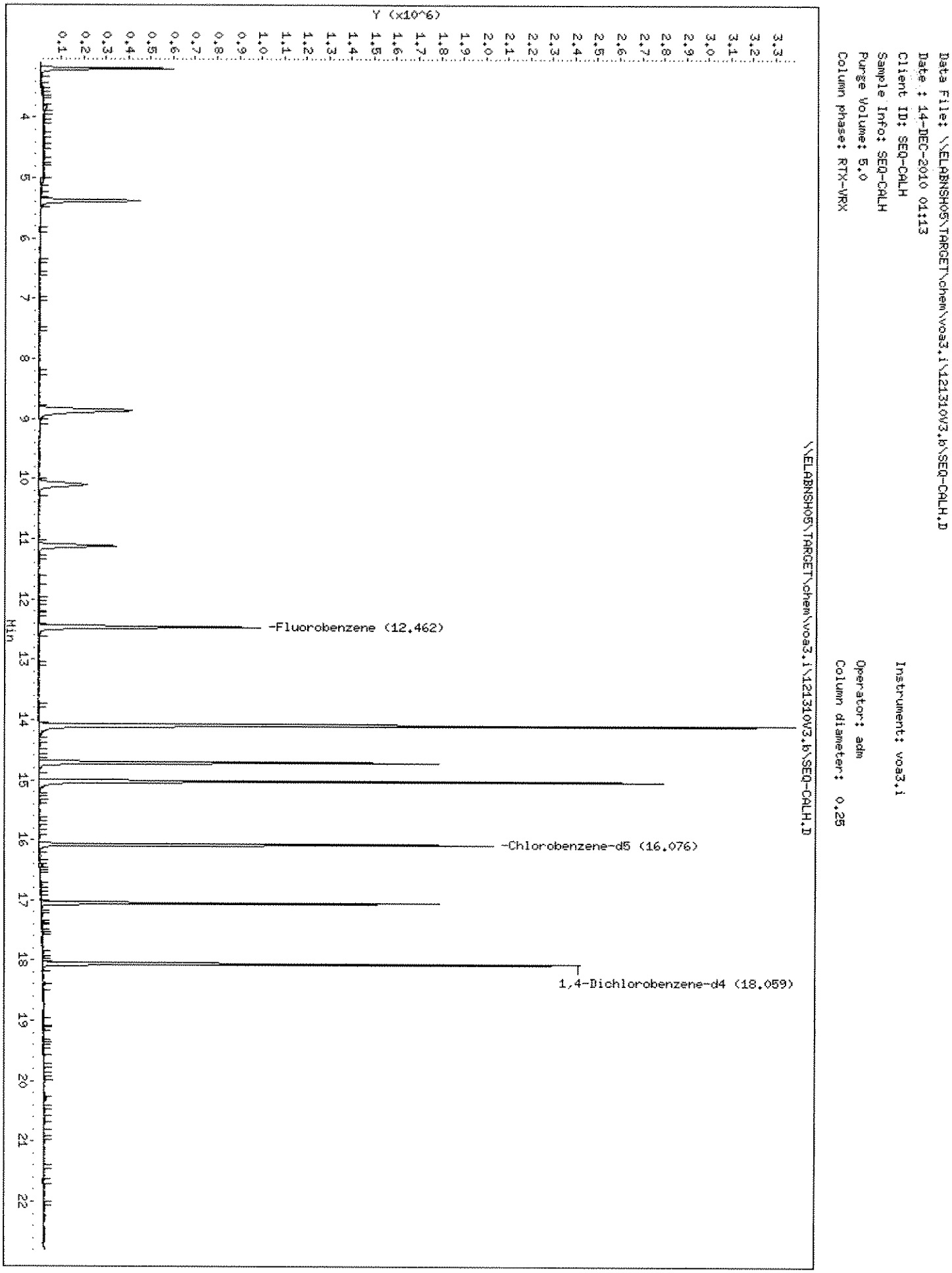
Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

12/15/10

12-15-10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.462	12.462	(1.000)	1129518	30.0000	
14 Acetone	43	5.374	5.374	(0.431)	813589	300.000	302.6
43 2-Butanone	43	8.866	8.866	(0.711)	1203602	300.000	299.7
77 4-Methyl-2-pentanone	43	14.092	14.092	(1.131)	2757296	300.000	316.4
86 2-Hexanone	43	15.023	15.023	(0.935)	2015910	300.000	316.5
* 92 Chlorobenzene-d5	82	16.075	16.075	(1.000)	633231	30.0000	
* 117 1,4-Dichlorobenzene-d4	152	18.059	18.059	(1.000)	673886	30.0000	


Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CALH.D
Date : 14-DEC-2010 01:13
Client ID: SEQ-CALH
Sample Info: SEQ-CALH
Purge Volume: 5.0
Column phase: RTX-VRX
Instrument: voa3.i
Operator: adm
Column diameter: 0.25
\\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CALH.D
Y (x10^6)
Min
-Fluorobenzene (12.462)
-Chlorobenzene-d5 (16.076)
1,4-Dichlorobenzene-d4 (18.059)

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALI.D
Report Date: 14-Dec-2010 08:04

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-CALI.D
Lab Smp Id: SEQ-CALI Client Smp ID: SEQ-CALI
Inj Date : 14-DEC-2010 01:43 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-CALI
Misc Info : ;1;;;9;ketones.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:04 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 20 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ketones.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

MM 1/4/10

RPW 12-15-10

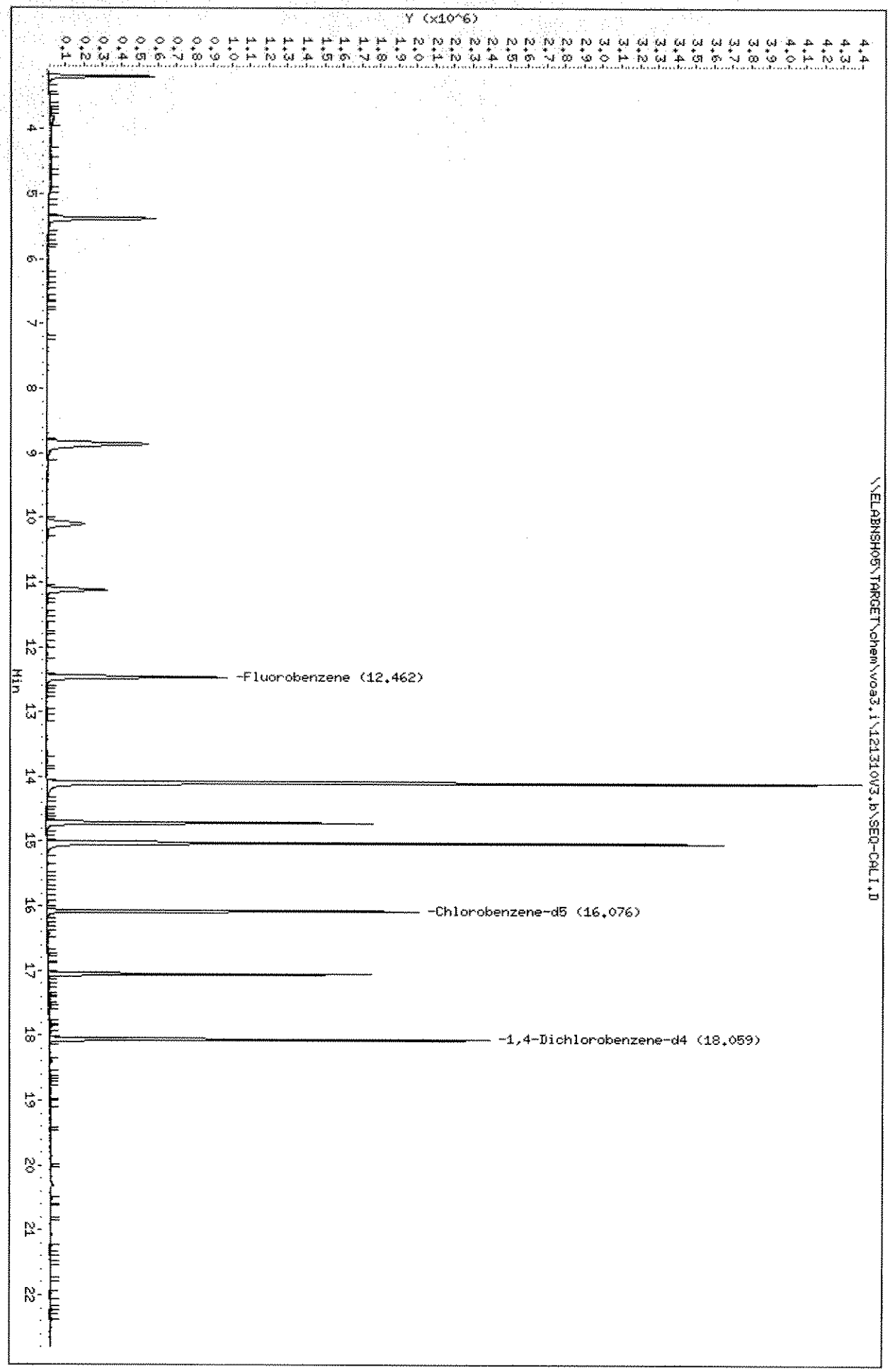
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	ON-COL (ug/L)
* 62 Fluorobenzene	96	12.462	12.462	(1.000)	1129110	30.0000	
14 Acetone	43	5.374	5.374	(0.431)	1076228	400.000	400.4(A)
43 2-Butanone	43	8.860	8.860	(0.711)	1595456	400.000	397.0
77 4-Methyl-2-pentanone	43	14.092	14.092	(1.131)	3552630	400.000	407.9(A)
86 2-Hexanone	43	15.023	15.023	(0.935)	2635900	400.000	418.8(A)
* 92 Chlorobenzene-d5	82	16.075	16.075	(1.000)	625736	30.0000	
* 117 1,4-Dichlorobenzene-d4	152	18.059	18.059	(1.000)	676780	30.0000	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121310V3.b\SEQ-CALI.D
Date : 14-DEC-2010 01:43
Client ID: SEQ-CALI
Sample Info: SEQ-CALI
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa3.i
Operator: adm
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-ICV3.D
Report Date: 14-Dec-2010 08:04

Laboratory Name

RECOVERY REPORT

Client Name:
Client SDG: SDGa58375
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: SEQ-ICV3
Client Smp ID: SEQ-ICV3
Level: LOW
Operator: adm
Data Type: MS DATA
SampleType: ICV
SpikeList File: iketones.spk
Quant Type: ISTD
Sublist File: ketones.sub
Method File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Misc Info: ;3;;;;ketones.sub;

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
14 Acetone	200.0	203.4	101.70	80-120
43 2-Butanone	200.0	205.1	102.55	80-120
77 4-Methyl-2-pentano	200.0	215.1	107.55	80-120
86 2-Hexanone	200.0	225.3	112.65	80-120

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-ICV3.D
Report Date: 14-Dec-2010 08:04

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-ICV3.D
Lab Smp Id: SEQ-ICV3 Client Smp ID: SEQ-ICV3
Inj Date : 14-DEC-2010 02:13 MS Autotune Date: 13-DEC-2010 15:35
Operator : adm Inst ID: voa3.i
Smp Info : SEQ-ICV3
Misc Info : ;3;;;;ketones.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\VWATER3.m
Meth Date : 14-Dec-2010 08:04 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 21 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ketones.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Mig/m/10

12-15-10

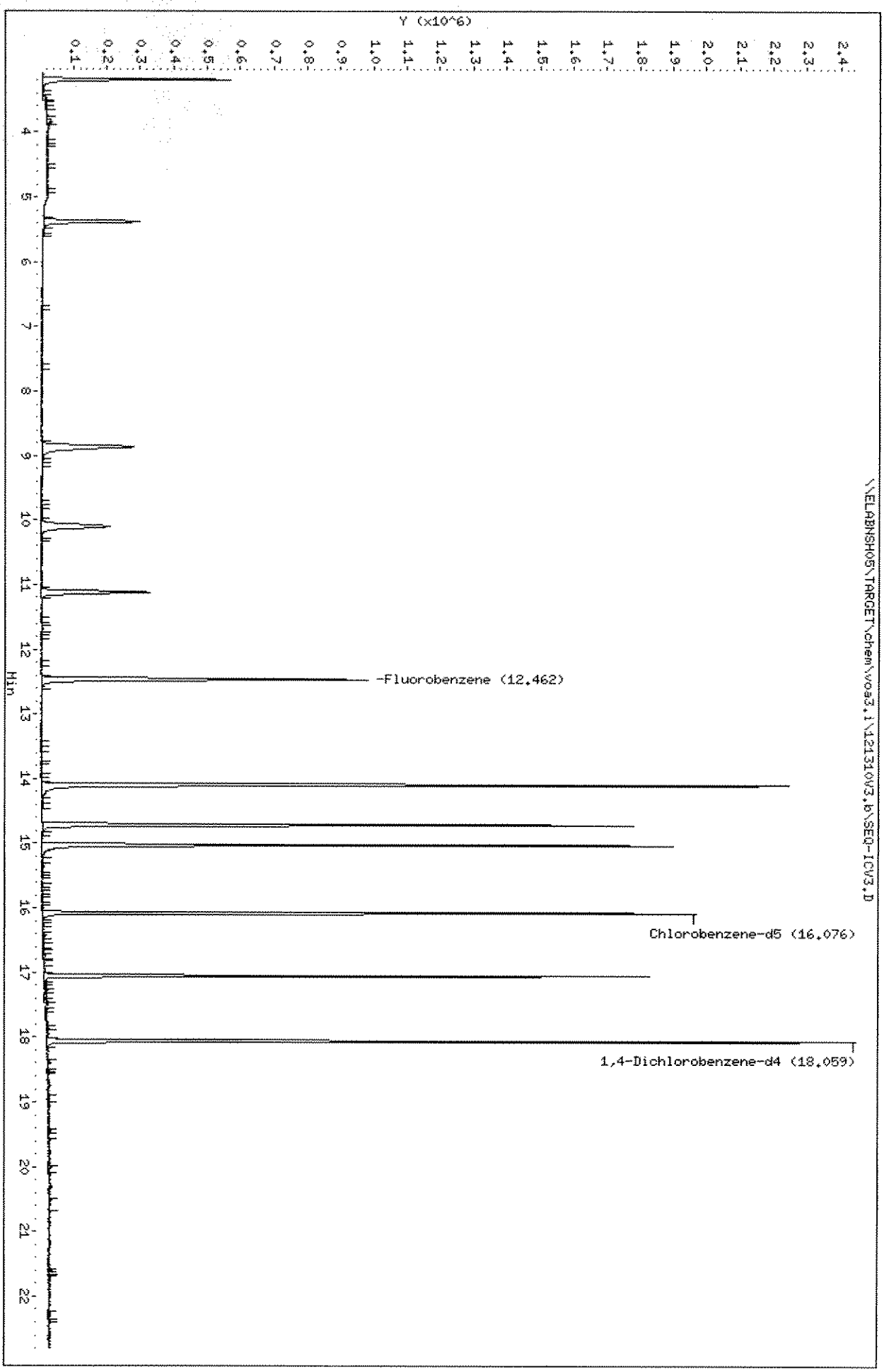
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	12.468	12.462	(1.000)	1126247	30.0000	
14 Acetone	43	5.374	5.374	(0.431)	545413	203.441	203.4
43 2-Butanone	43	8.860	8.860	(0.711)	819865	205.096	205.1
77 4-Methyl-2-pentanone	43	14.092	14.092	(1.130)	1868577	215.075	215.1
86 2-Hexanone	43	15.023	15.023	(0.935)	1401989	225.339	225.3(Q)
* 92 Chlorobenzene-d5	82	16.075	16.075	(1.000)	618491	30.0000	
* 117 1,4-Dichlorobenzene-d4	152	18.059	18.059	(1.000)	672194	30.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121310V3.b\SEQ-ICV3.D
Date : 14-DEC-2010 02:13
Client ID: SEQ-ICV3
Sample Info: SEQ-ICV3
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa3.i
Operator: adm
Column diameter: 0.25



Sequence Name: C:\msdchem\1\sequence\121610V3.s
Comment: EPA8260B/524.2/624/6200B
Operator: CLB
Data Path: C:\MSDCHEM\1\DATA\121610V3\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

10915

MY 16/10

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line			Sample Name/Misc Info		
1)	Sample	50	1216TU1	V3BFB	SEQ-TUN1 12:50,12/16
2)	Spike	1	1216CC1	VWATER3	SEQ-CCV1
3)	Spike	2	1216LS1	VWATER3	-BS1
4)	Spike	3	1216RL1	VWATER3	SEQ-LCV1
5)	Blank	100	BLANK01	VWATER3	BLK1
6)	Blank	100	1216BL1	VWATER3	0L16012-BLK1
7)	Sample	4	1211401	VWATER3	1012114-01
8)	Sample	5	1211811	VWATER3	1012118-11
9)	Sample	6	1212202	VWATER3	1012122-02
10)	Sample	7	1211801	VWATER3	1012118-01
11)	Sample	8	1211802	VWATER3	1012118-02
12)	Sample	9	1211803	VWATER3	1012118-03
13)	Sample	10	1211806	VWATER3	1012118-06
14)	Sample	11	1211807	VWATER3	1012118-07
15)	Sample	12	1211808	VWATER3	1012118-08
16)	Sample	13	1211809	VWATER3	1012118-09
17)	Sample	14	1211810	VWATER3	1012118-10
18)	Sample	15	1212403	VWATER3	1012124-03
19)	Sample	16	1212404	VWATER3	1012124-04
20)	Sample	17	1211804D	VWATER3	1012118-04;5 - mix + trend.
21)	Sample	18	1212201D	VWATER3	1012122-01;5
22)	Sample	19	1211805D	VWATER3	1012118-05;2 - mix + low
23)	Sample	20	1212201M	VWATER3	0L16012-MS1;5
24)	Sample	21	1212201S	VWATER3	0L16012-MSD1;5 00:20,12/17
25)	Sample	50	1216TU1E	V3BFB	SEQ-TUN1 00:53,12/17
26)	Spike	22	1216CC1E	VWATER3	SEQ-CCV1
27)	Spike	23	1216LS1E	VWATER3	0L16017-BS1
28)	Spike	24	1216RL1E	VWATER3	SEQ-LCV1
29)	Blank	100	BLANKE	VWATER3	BLK1
30)	Blank	100	1216BL1E	VWATER3	0L16012-BLK1
31)	Sample	25	1212406	VWATER3	1012124-06
32)	Sample	26	1212504	VWATER3	1012125-04
33)	Sample	27	1213205	VWATER3	1012132-05
34)	Sample	28	1212405	VWATER3	1012124-05
35)	Sample	29	1212501	VWATER3	1012125-01
36)	Sample	30	1212502	VWATER3	1012125-02
37)	Sample	31	1212503	VWATER3	1012125-03
38)	Sample	32	1213201	VWATER3	1012132-01
39)	Sample	33	1213301	VWATER3	1012133-01
40)	Sample	34	1213302	VWATER3	1012133-02
41)	Sample	35	1213303	VWATER3	1012133-03
42)	Sample	36	1213304	VWATER3	1012133-04
43)	Sample	37	1213305	VWATER3	1012133-05

T2

Crystal Brand 12/16/10

Last Modified: Thu Dec 16 15:19:12 2010

Page: 1

Sequence Name: C:\msdchem\1\sequence\121610V3.s

	Line Type	Vial	DataFile	Method	Sample Name
44)	Sample	38	1213306	VWATER3	1012133-06
45)	Sample	39	1213307	VWATER3	1012133-07
46)	Sample	40	1213308	VWATER3	1012133-08
47)	Sample	41	1213309	VWATER3	1012133-09
48)	Spike	42	1216LD1E	VWATER3	0L16017-BSD1

10916

Last Modified: Thu Dec 16 15:19:12 2010

ANALYSIS SEQUENCE

Instrument: MS-VOA3

Calibration ID: 0349001

0L35111

Printed: 12/17/2010 1:03:59PM

Lab Number	Sample Name	Analysis	Container	Order	Position	STD ID	ISTD ID	Comments
0L35111-TUN1	;3;BFB;;;all.sub;	QC		1		10K0387		
0L35111-CCV1	;2;;;;gm-all.sub;	QC		2		10L0529	10J0414	
0L16017-BS1	LCS	QC		3			10J0414	
0L16017-BLK1	Blank	QC		4			10J0414	
1012124-06	Trip Blank	VOC_8260B_REG	B	5			10J0414	BTEX
1012125-04	Trip Blank	VOC_8260B_REG	A	6			10J0414	See Version Client List
1012132-05	Trip Blank	VOC_8260B_REG	B	7			10J0414	
1012124-05	CEF-502-4S-20101209	VOC_8260B_REG	B	8			10J0414	BTEX
1012125-01	JAX-MW-780-1-GW20101210	VOC_8260B_REG	B	9			10J0414	See Version Client List
1012125-02	JAX-EW-780-2-GW20101210	VOC_8260B_REG	B	10			10J0414	See Version Client List
1012125-03	X-MW-780-DUP01-GW201012	VOC_8260B_REG	B	11			10J0414	See Version Client List
1012132-01	S-2e-1012	VOC_8260B_REG	F	12			10J0414	LOW VOLUME!! only 2 vials
1012133-01	1438G0301	VOC_8260B_REG	B	13			10J0414	version
1012133-02	1438G0501	VOC_8260B_REG	B	14			10J0414	version
1012133-03	1438G0601	VOC_8260B_REG	B	15			10J0414	version
1012133-04	05G0801	VOC_8260B_REG	B	16			10J0414	version
1012133-05	1438GO201	VOC_8260B_REG	B	17			10J0414	version
1012133-06	1438G0203	VOC_8260B_REG	B	18			10J0414	version
1012133-07	1438G0701	VOC_8260B_REG	B	19			10J0414	version
1012133-08	1438G0201D	VOC_8260B_REG	B	20			10J0414	version
1012133-09	2894G0102	VOC_8260B_REG	B	21			10J0414	version
0L16017-BSD1	LCS Dup	QC		22			10J0414	

Samples Loaded By _____ Date _____

Data Processed By _____ Date _____

Report Date: 17-Dec-2010 06:51

Calibration History

Method : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\VWATER3.m
Start Cal Date: 10-AUG-2010 08:55
End Cal Date : 14-DEC-2010 01:43
Last Cal Level: 9
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.5000		
10-AUG-2010 19:35	ap9hex	SEQ-CALJ.D
13-DEC-2010 21:46	ketones	SEQ-CALA.D
13-DEC-2010 16:19	gmall-k	SEQ-CAL1.D
Cal Level: 2 , Cal Amount: 1.000		
10-AUG-2010 20:06	ap9hex	SEQ-CALK.D
13-DEC-2010 22:15	ketones	SEQ-CALB.D
13-DEC-2010 16:49	gmall-k	SEQ-CAL2.D
Cal Level: 3 , Cal Amount: 2.000		
10-AUG-2010 20:36	ap9hex	SEQ-CALL.D
13-DEC-2010 22:45	ketones	SEQ-CALC.D
13-DEC-2010 17:18	gmall-k	SEQ-CAL3.D
Cal Level: 4 , Cal Amount: 5.000		
10-AUG-2010 21:06	ap9hex	SEQ-CALM.D
13-DEC-2010 23:15	ketones	SEQ-CALD.D
13-DEC-2010 17:48	gmall-k	SEQ-CAL4.D
Cal Level: 5 , Cal Amount: 10.00		
10-AUG-2010 21:36	ap9hex	SEQ-CALN.D
13-DEC-2010 23:44	ketones	SEQ-CALE.D
13-DEC-2010 18:18	gmall-k	SEQ-CAL5.D
Cal Level: 6 , Cal Amount: 50.00		
10-AUG-2010 22:06	ap9hex	SEQ-CALO.D
14-DEC-2010 00:14	ketones	SEQ-CALF.D
13-DEC-2010 18:47	gmall-k	SEQ-CAL6.D
Cal Level: 7 , Cal Amount: 100.0		

10-AUG-2010 22:37	ap9hex	SEQ-CALP.D
14-DEC-2010 00:44	ketones	SEQ-CALG.D
13-DEC-2010 19:17	gmall-k	SEQ-CAL7.D

Cal Level: 8 , Cal Amount: 150.0

10-AUG-2010 23:07	ap9hex	SEQ-CALQ.D
14-DEC-2010 01:13	ketones	SEQ-CALH.D
13-DEC-2010 19:47	gmall-k	SEQ-CAL8.D

Cal Level: 9 , Cal Amount: 200.0

10-AUG-2010 23:37	ap9hex	SEQ-CALR.D
14-DEC-2010 01:43	ketones	SEQ-CALI.D
13-DEC-2010 20:16	gmall-k	SEQ-CAL9.D

Continuing Calibration

17-DEC-2010 01:19	gm-all	1216CC1E.D
16-DEC-2010 13:19	gm-all	1216CC1.D
17-DEC-2010 01:19	gm-all	1216CC1E.D
16-DEC-2010 13:19	gm-all	1216CC1.D
16-DEC-2010 13:19	gm-all	1216CC1.D
16-DEC-2010 10:30	gm-all	1216CC1.D

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216TU1E.D

Date : 17-DEC-2010 00:53

Client ID: 25ppb BFB

Instrument: voa3.i

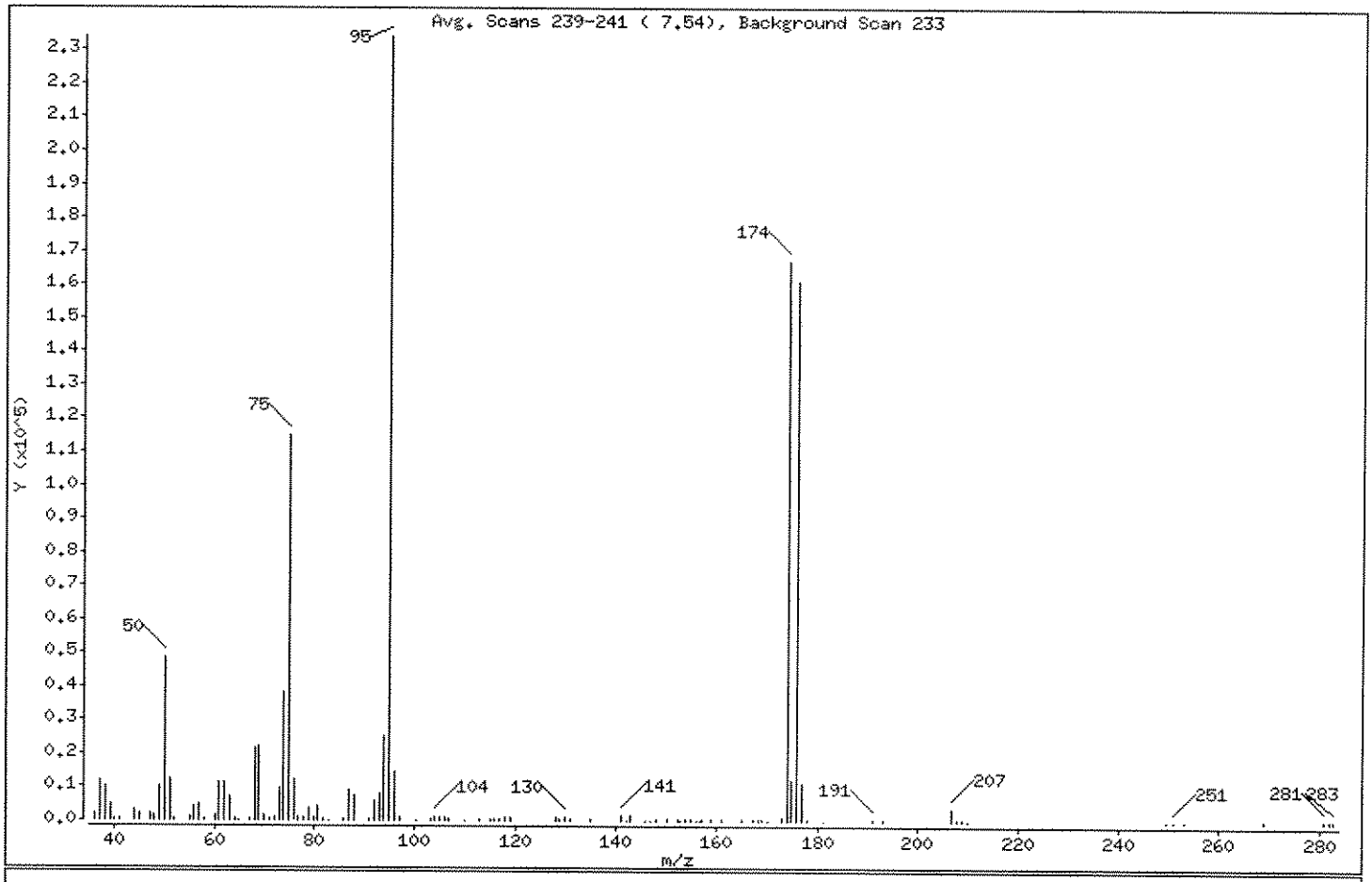
Sample Info: SEQ-TUN1

Operator: CLB

Column phase: RTX-VRX

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.78
75	30.00 - 60.00% of mass 95	49.09
96	5.00 - 9.00% of mass 95	6.23
173	Less than 2.00% of mass 174	0.44 (0.62)
174	Greater than 50.00% of mass 95	71.36
175	5.00 - 9.00% of mass 174	5.04 (7.07)
176	95.00 - 101.00% of mass 174	68.93 (96.59)
177	5.00 - 9.00% of mass 176	4.87 (7.07)

MAR 12/17/10

VM 1/7/10

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216TU1E.D

Date : 17-DEC-2010 00:53

Client ID: 25ppb BFB

Instrument: voa3.i

Sample Info: SEQ-TUN1

Operator: CLB

Column phase: RTX-VRX

Column diameter: 0.25

Data File: 1216TU1E.D
Spectrum: Avg. Scans 239-241 (7.54), Background Scan 233
Location of Maximum: 95.00
Number of points: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.90	1960	71.00	308	106.70	415	160.90	314
37.00	12033	72.00	948	110.00	206	165.00	414
38.00	10277	73.00	9622	112.90	283	167.00	797
39.10	4598	74.00	38408	114.90	411	168.10	644
40.10	540	75.00	114856	115.90	697	169.00	314
41.00	430	76.00	11644	116.90	552	170.10	176
44.00	3473	76.90	1323	117.80	855	172.80	1041
45.00	2004	77.80	1116	118.90	1152	173.00	1090
47.00	2190	78.90	3921	127.90	956	173.90	166976
48.00	1440	80.00	1089	128.80	415	174.80	11803
49.00	9999	80.90	4233	129.80	1166	175.90	161280
50.00	48624	82.00	755	130.80	350	176.80	11406
51.00	12480	83.00	258	134.90	318	178.00	720
52.00	453	85.80	311	140.90	1805	181.00	158
55.00	827	87.00	9169	142.00	202	190.80	520
56.00	4393	87.90	7307	142.90	1635	193.00	328
57.10	4984	90.90	514	145.70	181	206.90	3772
57.90	346	91.90	6108	147.00	266	207.90	511
60.00	1722	93.00	8254	147.80	326	208.80	578
61.00	11425	93.90	25128	150.10	348	210.00	161
62.00	11249	95.00	233984	152.10	334	249.50	184
63.00	7151	96.00	14571	152.70	163	250.80	218
64.00	770	97.10	897	153.70	402	253.00	163
65.00	154	100.40	178	154.70	770	268.80	431
67.00	590	103.10	430	155.80	228	280.80	616
68.00	21632	103.80	982	156.70	203	281.80	327
69.00	22128	104.90	825	157.00	332	282.70	353
70.00	1880	105.90	966	158.80	466		

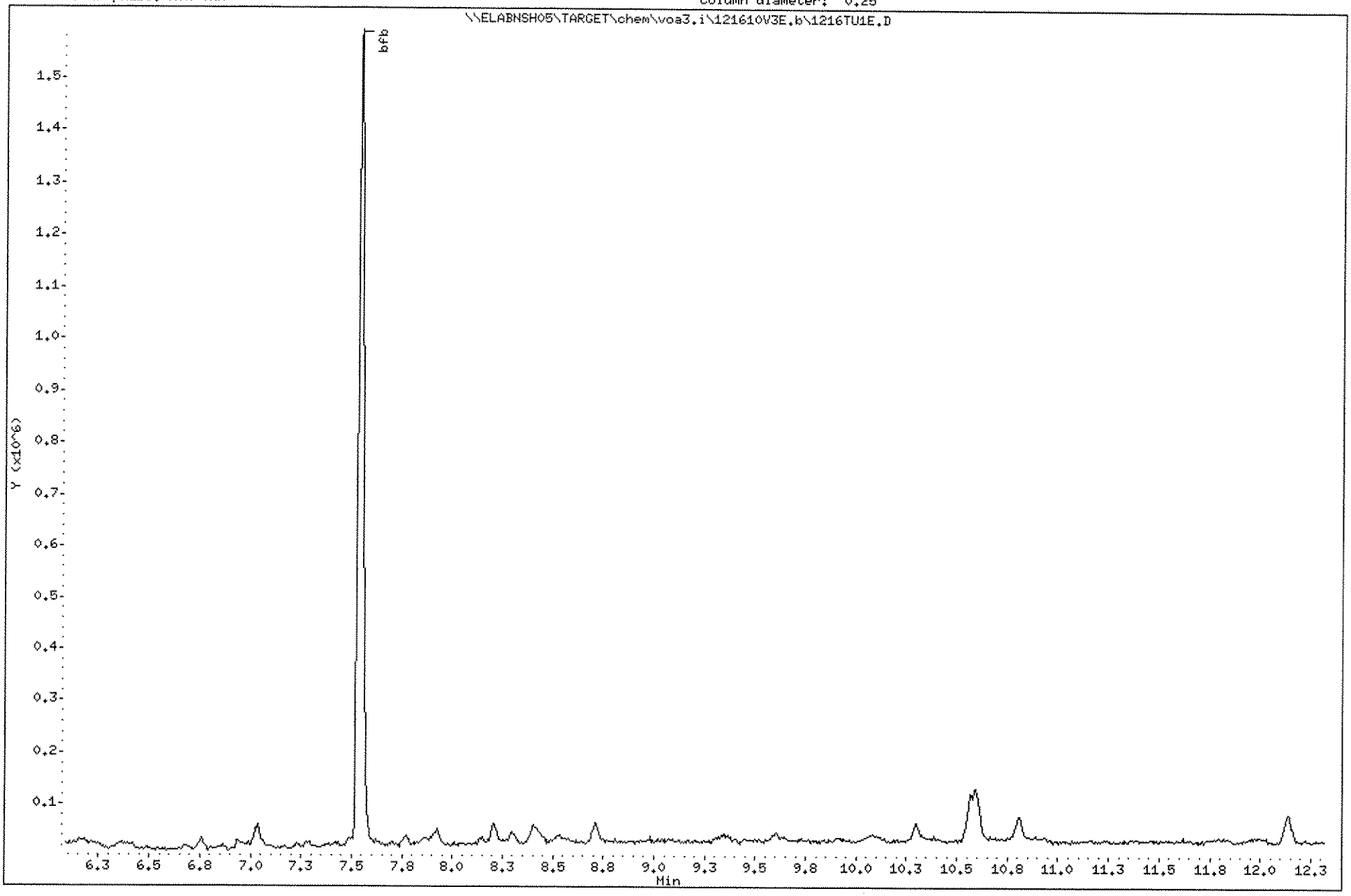
Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216TU1E.D
Date : 17-DEC-2010 00:53
Client ID: 25ppb BFB
Sample Info: SEQ-TUN1

Instrument: voa3.i

Operator: CLB

Column phase: RTX-VRX

Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216CC1E.D
Report Date: 17-Dec-2010 06:50

Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: voa3.i
Lab File ID: 1216CC1E.D
Analysis Type: WATER
Lab Sample ID: SEQ-CCV1
Method: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\VWATER3.m

Injection Date: 17-DEC-2010 01:19
Init. Cal. Date(s): 10-AUG-2010 14-DEC-2010
Init. Cal. Times: 08:55 01:43
Quant Type: ISTD

	COMPOUND	RRF	RF100	MIN RRF	%D	MAX %D
	1 Dichlorodifluoromethane	100	93.39447	0.000	6.6	20.0
	2 Chloromethane	0.22318	0.20315	0.100	-9.0	20.0
	4 Vinyl chloride	0.19099	0.19610	0.000	2.7	20.0
	7 Bromomethane	100	66.04041	0.000	34.0	20.0
	8 Chloroethane	0.11810	0.12006	0.000	1.7	20.0
	11 Trichlorofluoromethane	0.36628	0.39952	0.000	9.1	20.0
	15 t-Butyl alcohol	0.02222	0.02298	0.000	3.4	20.0
	16 tert-Amyl alcohol	0.01468	0.01557	0.000	6.1	20.0
	26 Trichlorotrifluoroethane	0.18890	0.20200	0.000	6.9	20.0
	10 Acrolein	0.03839	0.03292	0.000	-14.2	20.0
	22 1,1-Dichloroethene	0.18489	0.18421	0.000	-0.4	20.0
	14 Acetone	0.07141	0.07375	0.000	3.3	20.0
	23 Iodomethane	100	75.69056	0.000	24.3	20.0
	29 Carbon disulfide	0.62202	0.67799	0.000	9.0	20.0
	25 Methylene chloride	0.24077	0.23987	0.000	-0.4	20.0
	24 Acrylonitrile	0.08161	0.08443	0.000	3.4	20.0
	32 trans-1,2-Dichloroethene	0.21436	0.22228	0.000	3.7	20.0
	33 MTBE	0.61353	0.64077	0.000	4.4	20.0
	34 1,1-Dichloroethane	0.39703	0.42041	0.100	5.9	20.0
	37 Vinyl acetate	0.28379	0.28962	0.000	2.1	20.0
	45 Di-isopropyl ether	0.85244	0.88298	0.000	3.6	20.0
	46 cis-1,2-Dichloroethene	0.23220	0.24764	0.000	6.7	20.0
M	30 1,2-Dichloroethene(total)	0.22328	0.23496	0.000	5.2	20.0
	43 2-Butanone	200	184	0.000	8.0	20.0
	48 Bromochloromethane	0.11380	0.11921	0.000	4.8	20.0
	53 Tetrahydrofuran	0.06159	0.06085	0.000	-1.2	20.0
	49 Chloroform	0.41958	0.45417	0.000	8.2	20.0
	27 Methyl acetate	0.16603	0.17040	0.000	2.6	20.0
$	51 Dibromofluoromethane	0.26043	0.26077	0.000	0.1	20.0
	56 1,1,1-Trichloroethane	0.37049	0.41191	0.000	11.2	20.0
	58 ETBE	0.76418	0.81678	0.000	6.9	20.0
	59 Cyclohexane	0.35409	0.36118	0.000	2.0	20.0
	60 Carbon tetrachloride	0.29739	0.32999	0.000	11.0	20.0
$	54 1,2-Dichloroethane-d4	0.05523	0.05435	0.000	-1.6	20.0
	61 Benzene	0.86932	0.90163	0.000	3.7	20.0

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216CC1E.D
Report Date: 17-Dec-2010 06:50

Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: voa3.i Injection Date: 17-DEC-2010 01:19
Lab File ID: 1216CC1E.D Init. Cal. Date(s): 10-AUG-2010 14-DEC-2010
Analysis Type: WATER Init. Cal. Times: 08:55 01:43
Lab Sample ID: SEQ-CCV1 Quant Type: ISTD
Method: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\VWATER3.m

COMPOUND	RRF	RF100	MIN RRF	%D	MAX %D
55 1,2-Dichloroethane	0.36184	0.38953	0.000	7.7	20.0
50 2,2-Dichloropropane	0.34996	0.30934	0.000	-11.6	20.0
57 1,1-Dichloropropene	0.30960	0.32787	0.000	5.9	20.0
63 tert-Amyl Methyl Ether	0.71277	0.68941	0.000	-3.3	20.0
67 Trichloroethene	0.25735	0.27009	0.000	5.0	20.0
66 1,2-Dichloropropane	0.23744	0.24494	0.000	3.2	20.0
65 Dibromomethane	0.15736	0.16698	0.000	6.1	20.0
70 Methyl methacrylate	0.21823	0.24186	0.000	10.8	20.0
68 Bromodichloromethane	0.30795	0.35335	0.000	14.7	20.0
71 2-Chloroethyl vinyl ether	0.16045	0.16555	0.000	3.2	20.0
73 tert-Amyl Ethyl Ether	0.68425	0.69058	0.000	0.9	20.0
76 cis-1,3-Dichloropropene	0.38858	0.40577	0.000	4.4	20.0
77 4-Methyl-2-pentanone	0.23142	0.23465	0.000	1.4	20.0
$ 81 Toluene-d8	2.04862	1.98916	0.000	-2.9	20.0
83 Toluene	1.18327	1.17211	0.000	-0.9	20.0
78 trans-1,3-Dichloropropene	0.63945	0.69789	0.000	9.1	20.0
85 Ethyl methacrylate	0.56194	0.60846	0.000	8.3	20.0
80 1,1,2-Trichloroethane	0.34861	0.36143	0.000	3.7	20.0
89 Tetrachloroethene	0.48502	0.49176	0.000	1.4	20.0
86 2-Hexanone	0.30178	0.30880	0.000	2.3	20.0
87 Dibromochloromethane	0.42344	0.50147	0.000	18.4	20.0
88 1,2-Dibromoethane	0.47137	0.50355	0.000	6.8	20.0
74 Methyl cyclohexane	0.29432	0.28401	0.000	-3.5	20.0
93 Chlorobenzene	1.34630	1.28675	0.300	-4.4	20.0
90 1,1,1,2-Tetrachloroethane	0.41793	0.45819	0.000	9.6	20.0
91 1-Chlorohexane	1.12610	1.05999	0.000	-5.9	20.0
94 Ethylbenzene	2.22708	2.17783	0.000	-2.2	20.0
95 m,p-Xylene	1.82297	1.58480	0.000	-13.1	20.0
M 107 Xylene(total)	1.86212	1.65653	0.000	-11.0	20.0
99 o-Xylene	1.88596	1.80000	0.000	-4.6	20.0
97 Styrene	1.51893	1.51619	0.000	-0.2	20.0
96 Bromoform	100	102	0.100	-2.4	20.0
103 Isopropylbenzene	1.85184	1.81244	0.000	-2.1	20.0
$ 104 Bromofluorobenzene	0.97980	0.96712	0.000	-1.3	20.0
98 1,1,2,2-Tetrachloroethane	0.54105	0.53758	0.300	-0.6	20.0
84 1,3-Dichloropropane	0.67421	0.73090	0.000	8.4	20.0

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216CC1E.D
Report Date: 17-Dec-2010 06:50

Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: voa3.i Injection Date: 17-DEC-2010 01:19
Lab File ID: 1216CC1E.D Init. Cal. Date(s): 10-AUG-2010 14-DEC-2010
Analysis Type: WATER Init. Cal. Times: 08:55 01:43
Lab Sample ID: SEQ-CCV1 Quant Type: ISTD
Method: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\VWATER3.m

COMPOUND	RRF	RF100	MIN RRF	%D	MAX %D
100 1,2,3-Trichloropropane	0.16787	0.18663	0.000	11.2	20.0
108 n-Propylbenzene	2.34836	2.36001	0.000	0.5	20.0
113 1,3,5-Trimethylbenzene	1.75256	1.76948	0.000	1.0	20.0
111 1,2,4-Trimethylbenzene	1.81745	1.79142	0.000	-1.4	20.0
114 sec-Butylbenzene	1.94210	1.95560	0.000	0.7	20.0
112 tert-Butylbenzene	1.51757	1.51775	0.000	0.0	20.0
115 1,3-Dichlorobenzene	0.99723	1.03770	0.000	4.1	20.0
118 1,4-Dichlorobenzene	1.05055	1.04911	0.000	-0.1	20.0
121 n-Butylbenzene	1.52153	1.51999	0.000	-0.1	20.0
120 1,2-Dichlorobenzene	0.99803	1.02478	0.000	2.7	20.0
122 1,2-Dibromo-3-chloropropane	100	98.40031	0.000	1.6	20.0
105 Bromobenzene	0.62037	0.66342	0.000	6.9	20.0
109 2-Chlorotoluene	1.64075	1.66553	0.000	1.5	20.0
110 4-Chlorotoluene	1.64467	1.76439	0.000	7.3	20.0
123 1,2,4-Trichlorobenzene	0.66014	0.66591	0.000	0.9	20.0
124 Naphthalene	1.51799	1.64955	0.000	8.7	20.0
119 p-Isopropyltoluene	1.36631	1.40977	0.000	3.2	20.0
125 Hexachlorobutadiene	0.29185	0.31479	0.000	7.9	20.0
126 1,2,3-Trichlorobenzene	0.58132	0.60672	0.000	4.4	20.0

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216CC1E.D
Report Date: 17-Dec-2010 06:50

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216CC1E.D
Lab Smp Id: SEQ-CCV1 Client Smp ID: SEQ-CCV1
Inj Date : 17-DEC-2010 01:19 MS Autotune Date: 13-DEC-2010 15:35
Operator : CLB Inst ID: voa3.i
Smp Info : SEQ-CCV1
Misc Info : ;2;;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\VWATER3.m
Meth Date : 17-Dec-2010 06:50 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 22 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

YMM 12/17/10

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

MM 12/17/10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
* 62 Fluorobenzene	96	12.480	12.480	(1.000)	1306486	30.0000	
1 Dichlorodifluoromethane	85	3.525	3.525	(0.282)	892215	100.000	93.39
2 Chloromethane	50	3.732	3.732	(0.299)	884711	100.000	91.02
4 Vinyl chloride	62	3.939	3.939	(0.316)	854007	100.000	102.7
7 Bromomethane	94	4.401	4.401	(0.353)	402827	100.000	66.04
8 Chloroethane	64	4.565	4.565	(0.366)	522845	100.000	101.6
11 Trichlorofluoromethane	101	5.277	5.277	(0.423)	1739899	100.000	109.1
15 t-Butyl alcohol	59	6.037	6.037	(0.484)	500463	500.000	517.2
16 tert-Amyl alcohol	59	10.989	10.989	(0.881)	339047	500.000	530.4
26 Trichlorotrifluoroethane	101	6.354	6.354	(0.509)	879709	100.000	106.9
10 Acrolein	56	5.228	5.228	(0.419)	716912	500.000	428.8
22 1,1-Dichloroethene	96	6.037	6.037	(0.484)	802237	100.000	99.64
14 Acetone	43	5.393	5.393	(0.432)	642384	200.000	206.6
23 Iodomethane	142	6.080	6.080	(0.487)	945669	100.000	75.69
29 Carbon disulfide	76	6.615	6.615	(0.530)	2952621	100.000	109.0
25 Methylene chloride	84	6.250	6.250	(0.501)	1044631	100.000	99.62

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216CC1E.D
Report Date: 17-Dec-2010 06:50

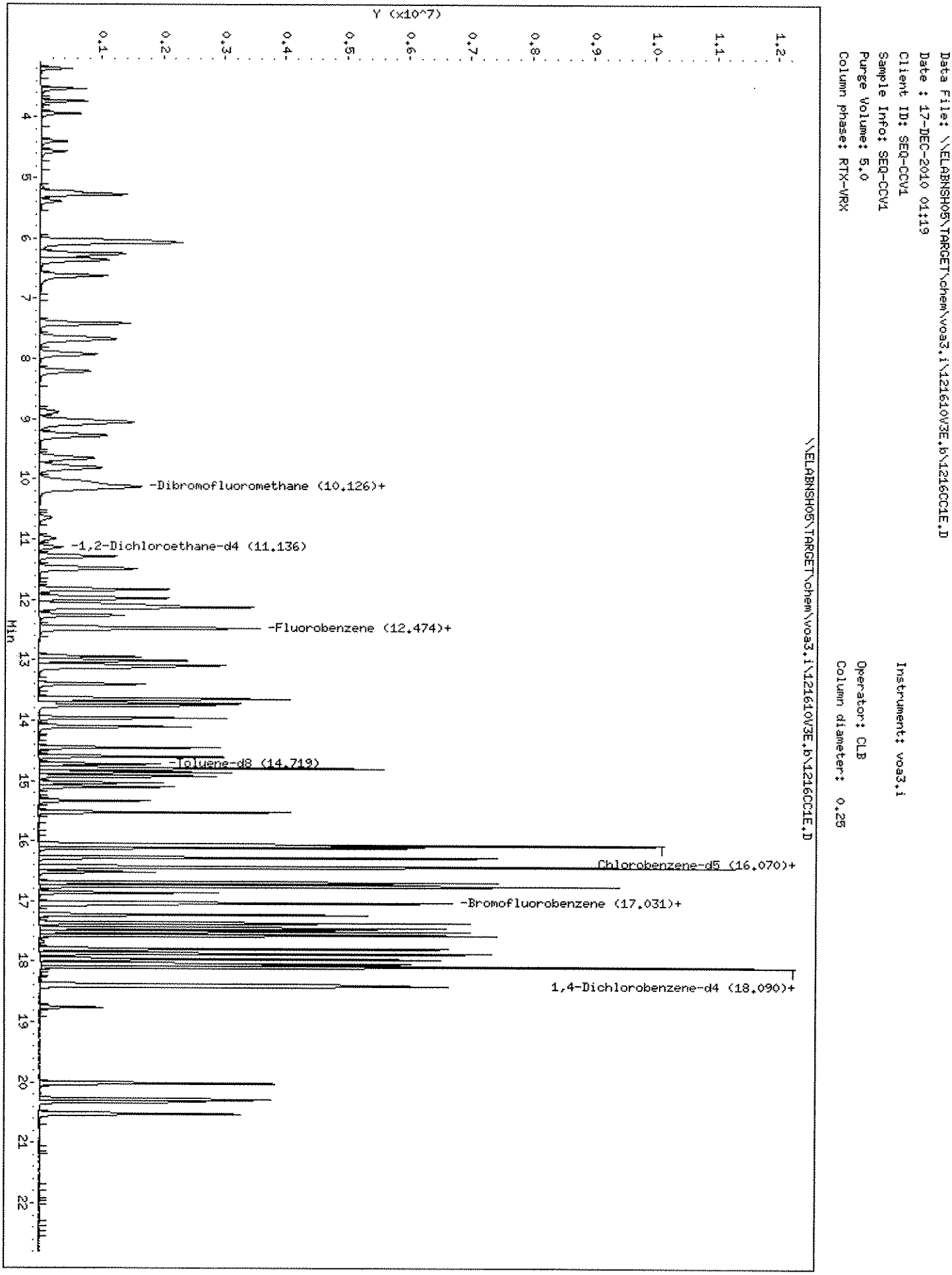
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
	24 Acrylonitrile	53	6.074	6.074	(0.487)	1838370	500.000	517.2
	32 trans-1,2-Dichloroethene	96	7.412	7.412	(0.594)	968002	100.000	103.7
	33 MTBE	73	7.668	7.668	(0.614)	2790516	100.000	104.4
	34 1,1-Dichloroethane	63	7.917	7.917	(0.634)	1830887	100.000	105.9
	37 Vinyl acetate	43	8.209	8.209	(0.658)	2522593	200.000	204.1
	45 Di-isopropyl ether	45	9.055	9.055	(0.726)	3845329	100.000	103.6
	46 cis-1,2-Dichloroethene	96	9.280	9.280	(0.744)	1078454	100.000	106.6
M	30 1,2-Dichloroethene(total)	96				2046456	200.000	210.3
	43 2-Butanone	43	8.891	8.891	(0.712)	852472	200.000	184.0
	48 Bromochloromethane	128	9.657	9.657	(0.774)	519163	100.000	104.8
	53 Tetrahydrofuran	42	10.643	10.643	(0.853)	264987	100.000	98.79
	49 Chloroform	83	9.803	9.803	(0.786)	1977876	100.000	108.2
	27 Methyl acetate	43	6.293	6.293	(0.504)	742071	100.000	102.6
$	51 Dibromofluoromethane	111	10.120	10.120	(0.811)	340695	30.0000	30.04
	56 1,1,1-Trichloroethane	97	11.482	11.482	(0.920)	1793861	100.000	111.2
	58 ETBE	59	10.138	10.138	(0.812)	3557058	100.000	106.9
	59 Cyclohexane	56	11.975	11.975	(0.960)	1572925	100.000	102.0
	60 Carbon tetrachloride	117	12.078	12.078	(0.968)	1437107	100.000	111.0
$	54 1,2-Dichloroethane-d4	102	11.135	11.135	(0.892)	71003	30.0000	29.52
	61 Benzene	78	12.127	12.127	(0.972)	3926542	100.000	103.7
	55 1,2-Dichloroethane	62	11.281	11.281	(0.904)	1696377	100.000	107.6
	50 2,2-Dichloropropane	77	10.047	10.047	(0.805)	1347142	100.000	88.39
	57 1,1-Dichloropropene	75	11.829	11.829	(0.948)	1427864	100.000	105.9
	63 tert-Amyl Methyl Ether	73	12.468	12.468	(0.999)	3002339	100.000	96.72
	67 Trichloroethene	95	13.088	13.088	(1.049)	1176244	100.000	105.0
	66 1,2-Dichloropropane	63	13.009	13.009	(1.042)	1066681	100.000	103.2
	65 Dibromomethane	93	12.942	12.942	(1.037)	727209	100.000	106.1
	70 Methyl methacrylate	41	13.399	13.399	(1.074)	1053288	100.000	110.8
	68 Bromodichloromethane	83	13.125	13.125	(1.052)	1538843	100.000	114.7
	71 2-Chloroethyl vinyl ether	63	13.715	13.715	(1.099)	1441944	200.000	206.4
	73 tert-Amyl Ethyl Ether	59	13.642	13.642	(1.093)	3007450	100.000	100.9
	76 cis-1,3-Dichloropropene	75	13.958	13.958	(1.118)	1767112	100.000	104.4
	77 4-Methyl-2-pentanone	43	14.104	14.104	(1.130)	2043756	200.000	202.8
$	81 Toluene-d8	98	14.719	14.719	(0.915)	1433757	30.0000	29.13
	83 Toluene	92	14.792	14.792	(0.919)	2816131	100.000	99.06
	78 trans-1,3-Dichloropropene	75	14.445	14.445	(0.898)	1676764	100.000	109.1
	85 Ethyl methacrylate	69	14.919	14.919	(0.927)	1461903	100.000	108.3
	80 1,1,2-Trichloroethane	83	14.603	14.603	(0.908)	868383	100.000	103.7
	89 Tetrachloroethene	166	15.522	15.522	(0.965)	1181500	100.000	101.4
	86 2-Hexanone	43	15.035	15.035	(0.935)	1483834	200.000	204.6
	87 Dibromochloromethane	129	15.102	15.102	(0.939)	1204832	100.000	118.4
	88 1,2-Dibromoethane	107	15.333	15.333	(0.953)	1209840	100.000	106.8
	74 Methyl cyclohexane	83	13.751	13.751	(1.102)	1236870	100.000	96.50
*	92 Chlorobenzene-d5	82	16.088	16.088	(1.000)	720784	30.0000	
	93 Chlorobenzene	112	16.112	16.112	(1.002)	3091574	100.000	95.58
	90 1,1,1,2-Tetrachloroethane	131	16.057	16.057	(0.998)	1100854	100.000	109.6
	91 1-Chlorohexane	91	16.075	16.075	(0.999)	2546735	100.000	94.13

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216CC1E.D
Report Date: 17-Dec-2010 06:50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/L)	AMOUNTS ON-COL (ug/L)
94 Ethylbenzene	91	16.276	16.276	(1.012)	5232479	100.000	97.79
95 m,p-Xylene	91	16.434	16.434	(1.022)	7615309	200.000	173.9
M 107 Xylene(total)	91				11940005	300.000	269.3
99 o-Xylene	91	16.751	16.751	(1.041)	4324696	100.000	95.44
97 Styrene	104	16.690	16.690	(1.037)	3642825	100.000	99.82
96 Bromoform	173	16.519	16.519	(1.027)	889528	100.000	102.4
103 Isopropylbenzene	105	17.030	17.030	(1.059)	4354599	100.000	97.87
$ 104 Bromofluorobenzene	95	17.061	17.061	(1.061)	697086	30.0000	29.61
98 1,1,2,2-Tetrachloroethane	83	16.757	16.757	(0.927)	1269534	100.000	99.36
84 1,3-Dichloropropane	76	14.859	14.859	(0.924)	1756071	100.000	108.4
100 1,2,3-Trichloropropane	110	16.860	16.860	(1.048)	448409	100.000	111.2
108 n-Propylbenzene	91	17.365	17.365	(0.961)	5573305	100.000	100.5
113 1,3,5-Trimethylbenzene	105	17.566	17.566	(0.972)	4178736	100.000	101.0
111 1,2,4-Trimethylbenzene	105	17.870	17.870	(0.989)	4230554	100.000	98.57
114 sec-Butylbenzene	105	17.961	17.961	(0.994)	4618277	100.000	100.7
112 tert-Butylbenzene	119	18.089	18.089	(1.001)	3584255	100.000	100.0
115 1,3-Dichlorobenzene	146	18.040	18.040	(0.998)	2450595	100.000	104.0
* 117 1,4-Dichlorobenzene-d4	152	18.071	18.071	(1.000)	708469	30.0000	(Q)
118 1,4-Dichlorobenzene	146	18.089	18.089	(1.001)	2477536	100.000	99.86
121 n-Butylbenzene	91	18.411	18.411	(1.019)	3589559	100.000	99.90
120 1,2-Dichlorobenzene	146	18.387	18.387	(1.018)	2420086	100.000	102.7
122 1,2-Dibromo-3-chloropropane	157	18.764	18.764	(1.038)	312069	100.000	98.40
105 Bromobenzene	156	17.231	17.231	(0.954)	1566717	100.000	106.9
109 2-Chlorotoluene	91	17.444	17.444	(0.965)	3933260	100.000	101.5
110 4-Chlorotoluene	91	17.505	17.505	(0.969)	4166722	100.000	107.3
123 1,2,4-Trichlorobenzene	180	20.018	20.018	(1.108)	1572590	100.000	100.9
124 Naphthalene	128	20.279	20.279	(1.122)	3895509	100.000	108.7
119 p-Isopropyltoluene	119	17.797	17.797	(0.985)	3329268	100.000	103.2
125 Hexachlorobutadiene	225	20.322	20.322	(1.125)	743407	100.000	107.9
126 1,2,3-Trichlorobenzene	180	20.522	20.522	(1.136)	1432817	100.000	104.4

QC Flag Legend

Q - Qualifier signal failed the ratio test.


Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216CC1E.D
Date : 17-DEC-2010 01:19
Client ID: SEQ-CCV1
Sample Info: SEQ-CCV1
Purge Volume: 5.0
Column phase: RTX-VRX
Instrument: voa3.i
Operator: CLB
Column diameter: 0.25
\\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216CC1E.D
Y (x10^7)
Min
-Dibromofluoromethane (10.126)+
-1,2-Dichloroethane-d4 (11.136)
-Fluorobenzene (12.474)+
-Toluene-d8 (14.719)
Chlorobenzene-d5 (16.070)+
-Bromofluorobenzene (17.031)+
1,4-Dichlorobenzene-d4 (18.090)+

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LS1E.D
Report Date: 17-Dec-2010 06:50

Laboratory Name

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 0L16017-BS1
Level: LOW
Data Type: MS DATA
SpikeList File: dodwlcs.spk
Sublist File: gm-all.sub
Method File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\VWATER3.m
Misc Info: ;3;LCS;;;gm-all.sub;

Client SDG: SDGa11115
Fraction: VOA
Client Smp ID: 0L16017-BS1
Operator: CLB
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.00	56.04	112.08	30-155
2 Chloromethane	50.00	49.91	99.82	40-125
4 Vinyl chloride	50.00	54.28	108.56	50-145
7 Bromomethane	50.00	27.95	55.90	30-145
8 Chloroethane	50.00	52.18	104.36	60-135
11 Trichlorofluoromet	50.00	56.34	112.68	60-145
15 t-Butyl alcohol	250.0	290.8	116.32	50-150
16 tert-Amyl alcohol	250.0	283.1	113.24	75-125
26 Trichlorotrifluoro	50.00	56.03	112.06	60-130
10 Acrolein	250.0	35.83	14.33	10-200
14 Acetone	100.0	108.7	108.70	40-140
23 Iodomethane	50.00	37.28	74.56	50-140
22 1,1-Dichloroethene	50.00	54.06	108.12	70-130
29 Carbon disulfide	50.00	56.47	112.94	35-160
25 Methylene chloride	50.00	52.43	104.86	55-140
24 Acrylonitrile	250.0	300.8	120.32	35-180
32 trans-1,2-Dichloro	50.00	53.87	107.74	60-140
33 MTBE	50.00	53.91	107.82	65-125
34 1,1-Dichloroethane	50.00	54.70	109.40	70-135
37 Vinyl acetate	100.0	109.8	109.80	60-150
45 Di-isopropyl ether	50.00	49.72	99.44	50-150
46 cis-1,2-Dichloroet	50.00	53.76	107.52	70-125
43 2-Butanone	100.0	90.94	90.94	30-150
48 Bromochloromethane	50.00	55.75	111.50	65-130
53 Tetrahydrofuran	50.00	55.51	111.02	70-130
49 Chloroform	50.00	56.11	112.22	65-135
27 Methyl acetate	50.00	53.93	107.86	55-150
56 1,1,1-Trichloroeth	50.00	55.25	110.50	65-130
58 ETBE	50.00	53.51	107.02	50-150
59 Cyclohexane	50.00	51.07	102.14	60-130
60 Carbon tetrachlori	50.00	53.40	106.80	65-140
61 Benzene	50.00	52.84	105.68	80-120
55 1,2-Dichloroethane	50.00	56.22	112.44	70-130

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LS1E.D
Report Date: 17-Dec-2010 06:50

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
50 2,2-Dichloropropan	50.00	43.43	86.86	70-135
57 1,1-Dichloropropen	50.00	53.66	107.32	75-130
63 tert-Amyl Methyl E	50.00	47.32	94.64	50-150
67 Trichloroethene	50.00	52.79	105.58	70-125
66 1,2-Dichloropropan	50.00	52.78	105.56	75-125
65 Dibromomethane	50.00	55.56	111.12	75-125
70 Methyl methacrylat	50.00	57.26	114.52	70-135
68 Bromodichlorometha	50.00	60.33	120.66*	75-120
71 2-Chloroethyl viny	100.0	96.47	96.47	10-165
73 tert-Amyl Ethyl Et	50.00	50.18	100.36	75-125
76 cis-1,3-Dichloropr	50.00	51.14	102.28	70-130
77 4-Methyl-2-pentano	100.0	105.7	105.70	60-135
83 Toluene	50.00	51.76	103.52	75-120
78 trans-1,3-Dichloro	50.00	58.27	116.54	55-140
85 Ethyl methacrylate	50.00	56.08	112.16	70-135
80 1,1,2-Trichloroeth	50.00	53.48	106.96	75-125
89 Tetrachloroethene	50.00	52.37	104.74	45-150
86 2-Hexanone	100.0	109.2	109.20	55-130
87 Dibromochlorometha	50.00	62.17	124.34	60-135
88 1,2-Dibromoethane	50.00	57.43	114.86	80-120
74 Methyl cyclohexane	50.00	47.47	94.94	60-125
93 Chlorobenzene	50.00	52.50	105.00	80-120
90 1,1,1,2-Tetrachlor	50.00	56.96	113.92	80-130
91 1-Chlorohexane	50.00	51.59	103.18	50-150
94 Ethylbenzene	50.00	54.13	108.26	75-125
95 m,p-Xylene	100.0	102.2	102.20	75-130
M 107 Xylene(total)	150.0	155.7	103.80	75-130
99 o-Xylene	50.00	53.47	106.94	80-120
97 Styrene	50.00	54.82	109.64	65-135
96 Bromoform	50.00	51.05	102.10	70-130
103 Isopropylbenzene	50.00	56.86	113.72	75-125
98 1,1,2,2-Tetrachlor	50.00	51.77	103.54	65-130
84 1,3-Dichloropropan	50.00	55.84	111.68	75-125
100 1,2,3-Trichloropro	50.00	59.33	118.66	75-125
108 n-Propylbenzene	50.00	53.95	107.90	70-130
109 2-Chlorotoluene	50.00	52.91	105.82	75-125
110 4-Chlorotoluene	50.00	54.24	108.48	75-130
113 1,3,5-Trimethylben	50.00	51.39	102.78	75-130
111 1,2,4-Trimethylben	50.00	52.09	104.18	75-130
114 sec-Butylbenzene	50.00	52.17	104.34	70-125
112 tert-Butylbenzene	50.00	53.31	106.62	70-130
115 1,3-Dichlorobenzen	50.00	53.47	106.94	75-125
118 1,4-Dichlorobenzen	50.00	51.72	103.44	75-125
121 n-Butylbenzene	50.00	50.73	101.46	70-135
120 1,2-Dichlorobenzen	50.00	53.88	107.76	70-120
122 1,2-Dibromo-3-chlo	50.00	48.97	97.94	50-130
105 Bromobenzene	50.00	54.39	108.78	75-125

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LS1E.D
Report Date: 17-Dec-2010 06:50

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
123 1,2,4-Trichloroben	50.00	49.24	98.48	65-135
124 Naphthalene	50.00	54.93	109.86	55-140
119 p-Isopropyltoluene	50.00	52.34	104.68	75-130
125 Hexachlorobutadien	50.00	56.26	112.52	50-140
126 1,2,3-Trichloroben	50.00	50.68	101.36	55-140

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 51 Dibromofluorometha	30.00	30.40	101.33	85-115
$ 54 1,2-Dichloroethane	30.00	29.15	97.17	70-120
$ 81 Toluene-d8	30.00	29.58	98.60	85-120
$ 104 Bromofluorobenzene	30.00	30.72	102.40	75-120

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LS1E.D
Report Date: 17-Dec-2010 06:50

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LS1E.D
Lab Smp Id: 0L16017-BS1 Client Smp ID: 0L16017-BS1
Inj Date : 17-DEC-2010 01:49 MS Autotune Date: 13-DEC-2010 15:35
Operator : CLB Inst ID: voa3.i
Smp Info : 0L16017-BS1
Misc Info : ;3;LCS;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\VWATER3.m
Meth Date : 17-Dec-2010 06:50 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 23 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

YMM 12/17/10

M141711°

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	12.474	12.480	(1.000)	1301957	30.0000	
1 Dichlorodifluoromethane	85	3.525	3.525	(0.283)	532312	56.0434	56.04
2 Chloromethane	50	3.732	3.732	(0.299)	483391	49.9078	49.91
4 Vinyl chloride	62	3.939	3.939	(0.316)	449890	54.2774	54.28
7 Bromomethane	94	4.395	4.401	(0.352)	165360	27.9514	27.95
8 Chloroethane	64	4.565	4.565	(0.366)	267449	52.1818	52.18
11 Trichlorofluoromethane	101	5.277	5.277	(0.423)	895604	56.3416	56.34
15 t-Butyl alcohol	59	6.031	6.037	(0.484)	280425	290.828	290.8
16 tert-Amyl alcohol	59	10.989	10.989	(0.881)	180318	283.082	283.1
26 Trichlorotrifluoroethane	101	6.354	6.354	(0.509)	459359	56.0331	56.03
10 Acrolein	56	5.234	5.228	(0.420)	59698	35.8310	35.83
22 1,1-Dichloroethene	96	6.037	6.037	(0.484)	433736	54.0561	54.06
14 Acetone	43	5.392	5.393	(0.432)	336875	108.697	108.7
23 Iodomethane	142	6.074	6.080	(0.487)	458856	37.2801	37.28
29 Carbon disulfide	76	6.615	6.615	(0.530)	1524347	56.4680	56.47
25 Methylene chloride	84	6.250	6.250	(0.501)	547906	52.4349	52.43

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LS1E.D
Report Date: 17-Dec-2010 06:50

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	24 Acrylonitrile	53	6.068	6.074	(0.486)	1065399	300.801	300.8
	32 trans-1,2-Dichloroethene	96	7.412	7.412	(0.594)	501165	53.8713	53.87
	33 MTBE	73	7.668	7.668	(0.615)	1435474	53.9119	53.91
	34 1,1-Dichloroethane	63	7.923	7.917	(0.635)	942577	54.7032	54.70
	37 Vinyl acetate	43	8.203	8.209	(0.658)	1352623	109.824	109.8
	45 Di-isopropyl ether	45	9.049	9.055	(0.725)	1839448	49.7219	49.72
	46 cis-1,2-Dichloroethene	96	9.274	9.280	(0.743)	541694	53.7557	53.76
M	30 1,2-Dichloroethene(total)	96				1042859	107.627	107.6
	43 2-Butanone	43	8.891	8.891	(0.713)	417220	90.9450	90.94
	48 Bromochloromethane	128	9.645	9.657	(0.773)	275345	55.7518	55.75
	53 Tetrahydrofuran	42	10.649	10.643	(0.854)	148369	55.5082	55.51
	49 Chloroform	83	9.809	9.803	(0.786)	1021754	56.1119	56.11
	27 Methyl acetate	43	6.287	6.293	(0.504)	388637	53.9349	53.93
$	51 Dibromofluoromethane	111	10.113	10.120	(0.811)	343528	30.3950	30.40
	56 1,1,1-Trichloroethane	97	11.482	11.482	(0.921)	888420	55.2547	55.25
	58 ETBE	59	10.126	10.138	(0.812)	1774574	53.5089	53.51
	59 Cyclohexane	56	11.975	11.975	(0.960)	784870	51.0750	51.07
	60 Carbon tetrachloride	117	12.078	12.078	(0.968)	689243	53.4038	53.40
$	54 1,2-Dichloroethane-d4	102	11.129	11.135	(0.892)	69863	29.1485	29.15
	61 Benzene	78	12.121	12.127	(0.972)	1993538	52.8408	52.84
	55 1,2-Dichloroethane	62	11.281	11.281	(0.904)	882880	56.2225	56.22
	50 2,2-Dichloropropane	77	10.046	10.047	(0.805)	659596	43.4300	43.43
	57 1,1-Dichloropropene	75	11.829	11.829	(0.948)	720997	53.6600	53.66
	63 tert-Amyl Methyl Ether	73	12.468	12.468	(1.000)	1463841	47.3227	47.32
	67 Trichloroethene	95	13.088	13.088	(1.049)	589592	52.7907	52.79
	66 1,2-Dichloropropane	63	13.003	13.009	(1.042)	543831	52.7751	52.78
	65 Dibromomethane	93	12.942	12.942	(1.038)	379445	55.5630	55.56
	70 Methyl methacrylate	41	13.392	13.399	(1.074)	542317	57.2616	57.26
	68 Bromodichloromethane	83	13.125	13.125	(1.052)	806318	60.3324	60.33(R)
	71 2-Chloroethyl vinyl ether	63	13.715	13.715	(1.099)	671738	96.4671	96.47
	73 tert-Amyl Ethyl Ether	59	13.636	13.642	(1.093)	1490192	50.1826	50.18
	76 cis-1,3-Dichloropropene	75	13.958	13.958	(1.119)	862445	51.1416	51.14
	77 4-Methyl-2-pentanone	43	14.104	14.104	(1.131)	1061869	105.727	105.7
$	81 Toluene-d8	98	14.719	14.719	(0.915)	1434527	29.5858	29.58
	83 Toluene	92	14.792	14.792	(0.919)	1449459	51.7556	51.76
	78 trans-1,3-Dichloropropene	75	14.445	14.445	(0.898)	881910	58.2714	58.27
	85 Ethyl methacrylate	69	14.919	14.919	(0.927)	745871	56.0806	56.08
	80 1,1,2-Trichloroethane	83	14.597	14.603	(0.907)	441283	53.4827	53.48
	89 Tetrachloroethene	166	15.522	15.522	(0.965)	601144	52.3661	52.37
	86 2-Hexanone	43	15.035	15.035	(0.935)	779659	109.155	109.2
	87 Dibromochloromethane	129	15.096	15.102	(0.938)	623035	62.1668	62.17
	88 1,2-Dibromoethane	107	15.333	15.333	(0.953)	640706	57.4298	57.43
	74 Methyl cyclohexane	83	13.751	13.751	(1.102)	606331	47.4697	47.47
*	92 Chlorobenzene-d5	82	16.087	16.088	(1.000)	710044	30.0000	
	93 Chlorobenzene	112	16.112	16.112	(1.002)	1672757	52.4961	52.50
	90 1,1,1,2-Tetrachloroethane	131	16.057	16.057	(0.998)	563428	56.9598	56.96
	91 1-Chlorohexane	91	16.069	16.075	(0.999)	1374985	51.5889	51.59

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LS1E.D
Report Date: 17-Dec-2010 06:50

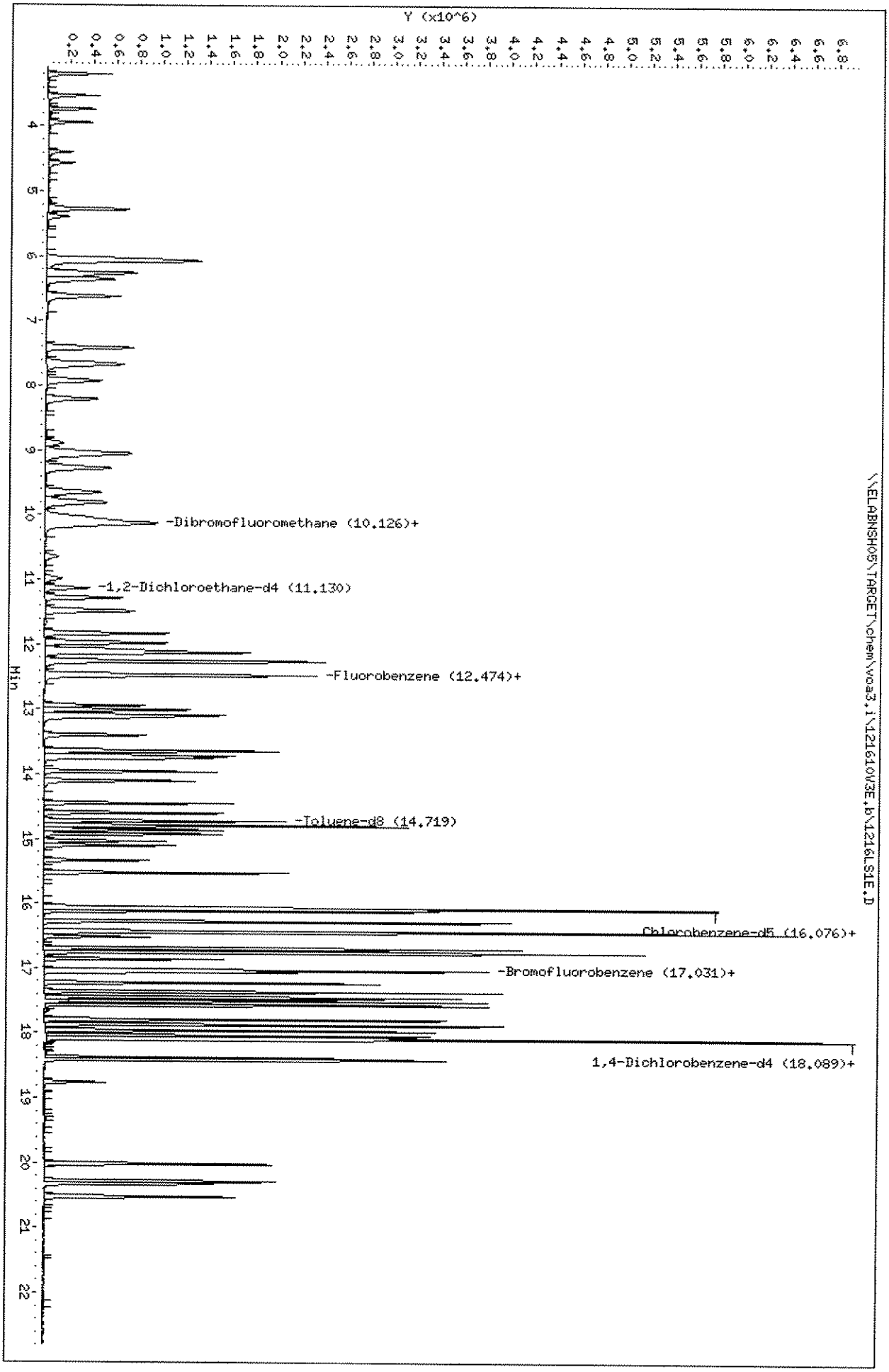
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
94 Ethylbenzene	91	16.276	16.276	(1.012)	2853419	54.1335	54.13
95 m,p-Xylene	91	16.434	16.434	(1.022)	4411577	102.247	102.2
M 107 Xylene(total)	91				6798323	155.717	155.7
99 o-Xylene	91	16.751	16.751	(1.041)	2386746	53.4699	53.47
97 Styrene	104	16.690	16.690	(1.037)	1970887	54.8228	54.82
96 Bromoform	173	16.519	16.519	(1.027)	429231	51.0473	51.05
103 Isopropylbenzene	105	17.030	17.030	(1.059)	2492211	56.8614	56.86
$ 104 Bromofluorobenzene	95	17.061	17.061	(1.061)	712423	30.7210	30.72
98 1,1,2,2-Tetrachloroethane	83	16.757	16.757	(0.927)	687544	51.7726	51.77
84 1,3-Dichloropropane	76	14.859	14.859	(0.924)	891116	55.8438	55.84
100 1,2,3-Trichloropropane	110	16.860	16.860	(1.048)	235748	59.3338	59.33
108 n-Propylbenzene	91	17.365	17.365	(0.961)	3109887	53.9529	53.95
113 1,3,5-Trimethylbenzene	105	17.566	17.566	(0.972)	2210821	51.3945	51.39
111 1,2,4-Trimethylbenzene	105	17.870	17.870	(0.989)	2323845	52.0930	52.09
114 sec-Butylbenzene	105	17.961	17.961	(0.994)	2486725	52.1666	52.17
112 tert-Butylbenzene	119	18.089	18.089	(1.001)	1985604	53.3063	53.31
115 1,3-Dichlorobenzene	146	18.040	18.040	(0.998)	1308795	53.4704	53.47
* 117 1,4-Dichlorobenzene-d4	152	18.071	18.071	(1.000)	736352	30.0000	
118 1,4-Dichlorobenzene	146	18.089	18.089	(1.001)	1333636	51.7199	51.72
121 n-Butylbenzene	91	18.411	18.411	(1.019)	1894600	50.7309	50.73
120 1,2-Dichlorobenzene	146	18.387	18.387	(1.018)	1319853	53.8789	53.88
122 1,2-Dibromo-3-chloropropane	157	18.764	18.764	(1.038)	158781	48.9713	48.97
105 Bromobenzene	156	17.231	17.231	(0.954)	828235	54.3922	54.39
109 2-Chlorotoluene	91	17.444	17.444	(0.965)	2130897	52.9120	52.91
110 4-Chlorotoluene	91	17.505	17.505	(0.969)	2189682	54.2422	54.24
123 1,2,4-Trichlorobenzene	180	20.017	20.018	(1.108)	797926	49.2449	49.24
124 Naphthalene	128	20.279	20.279	(1.122)	2046523	54.9268	54.93
119 p-Isopropyltoluene	119	17.791	17.797	(0.985)	1755175	52.3367	52.34
125 Hexachlorobutadiene	225	20.322	20.322	(1.125)	403053	56.2648	56.26
126 1,2,3-Trichlorobenzene	180	20.522	20.522	(1.136)	723114	50.6791	50.68

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121610V3E.b\1216LS1E.D
Date : 17-DEC-2010 01:49
Client ID: 0L16017-BS1
Sample Info: 0L16017-BS1
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa3.i
Operator: CLB
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216BL1E.D
Report Date: 17-Dec-2010 06:51

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216BL1E.D
Lab Smp Id: 0L16012-BLK1 Client Smp ID: 0L16012-BLK1
Inj Date : 17-DEC-2010 03:15 MS Autotune Date: 13-DEC-2010 15:35
Operator : CLB Inst ID: voa3.i
Smp Info : 0L16012-BLK1
Misc Info : ;3;BLANK;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\VWATER3.m
Meth Date : 17-Dec-2010 06:50 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 100 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

ymr 12/17/10

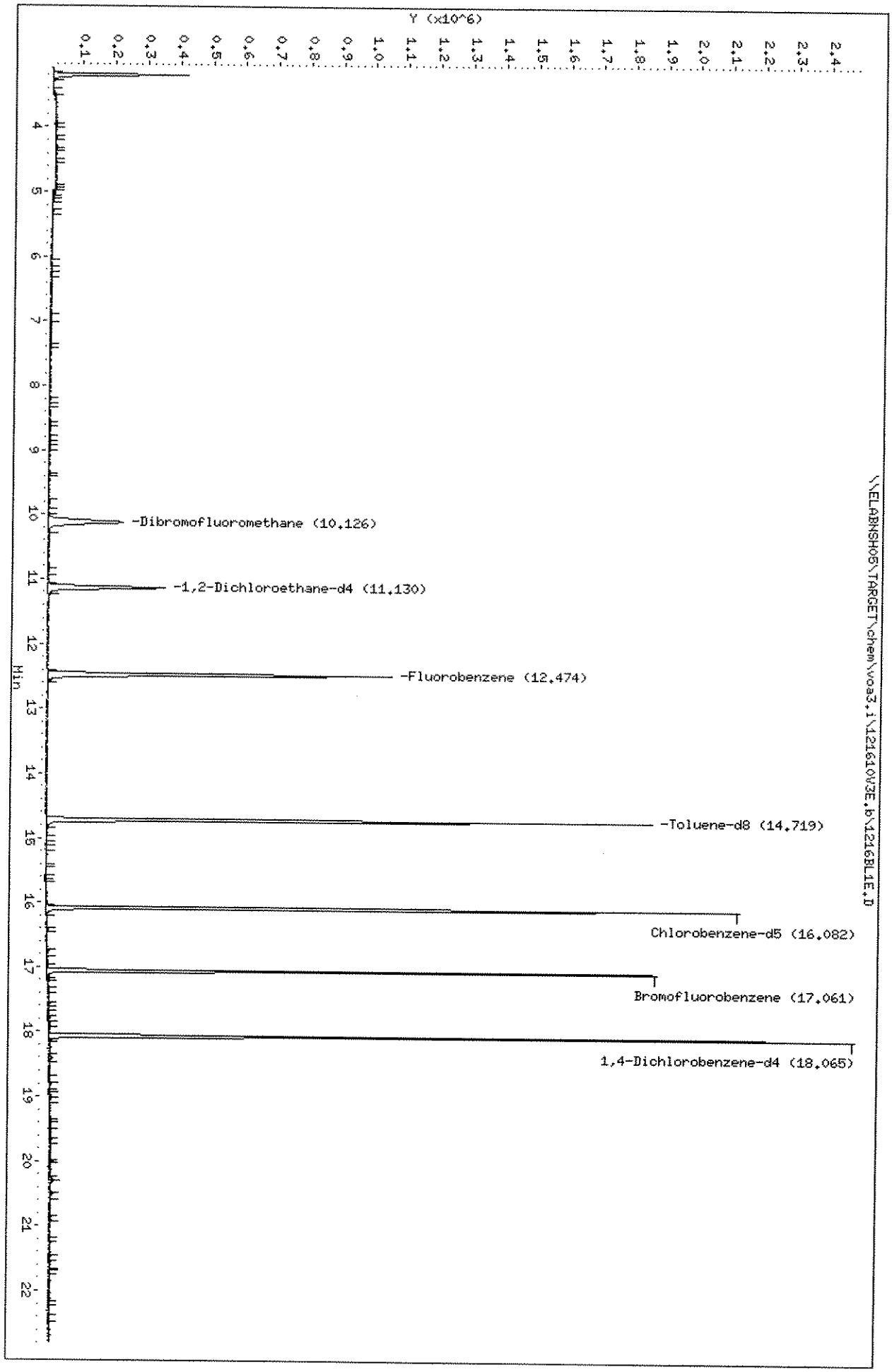
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

MM 12/17/10

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	12.474	12.480	(1.000)	1207015	30.0000	
$ 51 Dibromofluoromethane	111	10.113	10.120	(0.811)	325790	31.0930	31.09
$ 54 1,2-Dichloroethane-d4	102	11.135	11.135	(0.893)	65570	29.5093	29.51
$ 81 Toluene-d8	98	14.719	14.719	(0.915)	1300907	28.6446	28.64
* 92 Chlorobenzene-d5	82	16.081	16.088	(1.000)	665063	30.0000	
$ 104 Bromofluorobenzene	95	17.061	17.061	(1.061)	656301	30.2151	30.22
* 117 1,4-Dichlorobenzene-d4	152	18.065	18.071	(1.000)	694307	30.0000	
124 Naphthalene	128	20.279	20.279	(1.123)	5958	0.16959	0.1696(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).


Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216BL1E.D
Date : 17-DEC-2010 03:15
Client ID: OL16012-BLK1
Sample Info: OL16012-BLK1
Purge Volume: 5.0
Column phase: RTX-VRX
Instrument: voa3.i
Operator: CLB
Column diameter: 0.25
\\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216BL1E.D
Y (x10^6)
Min
-Dibromofluoromethane (10.126)
-1,2-Dichloroethane-d4 (11.130)
-Fluorobenzene (12.474)
-Toluene-d8 (14.719)
Chlorobenzene-d5 (16.082)
Bromofluorobenzene (17.061)
1,4-Dichlorobenzene-d4 (18.065)

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216BL1E.D

Date : 17-DEC-2010 03:15

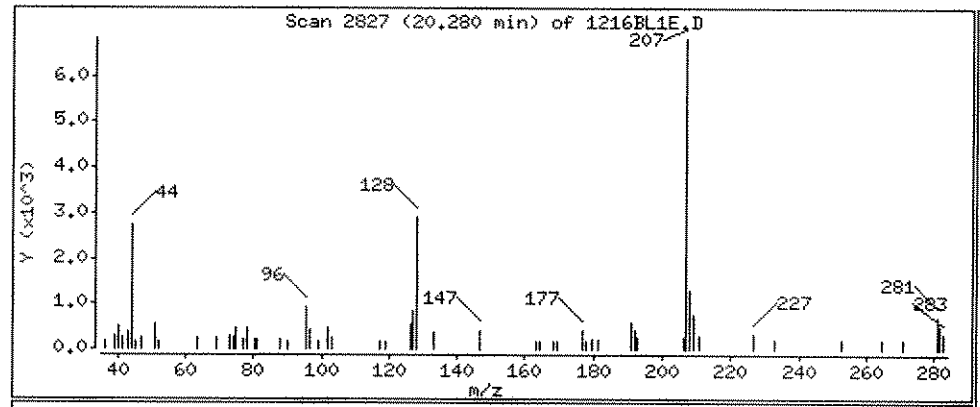
Client ID: OL16012-BLK1 | Instrument: voa3.i

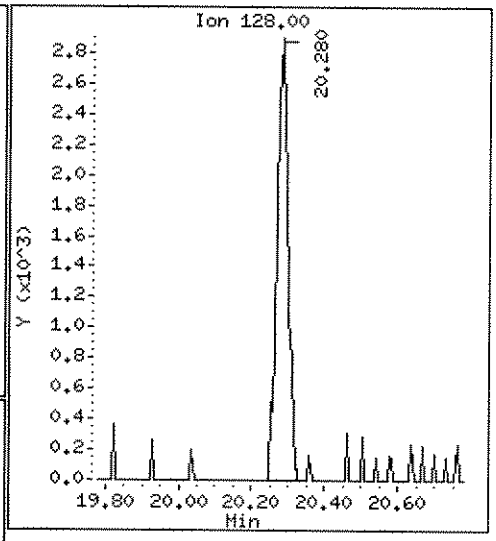
Sample Info: OL16012-BLK1

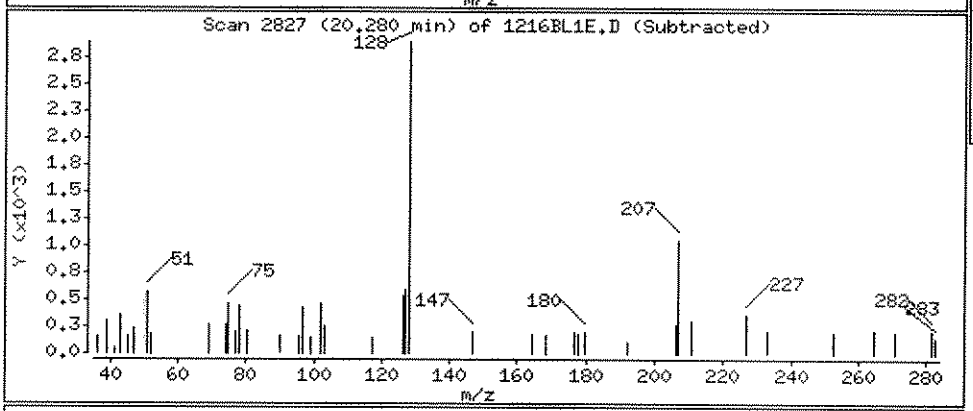
Purge Volume: 5.0 | Operator: CLB

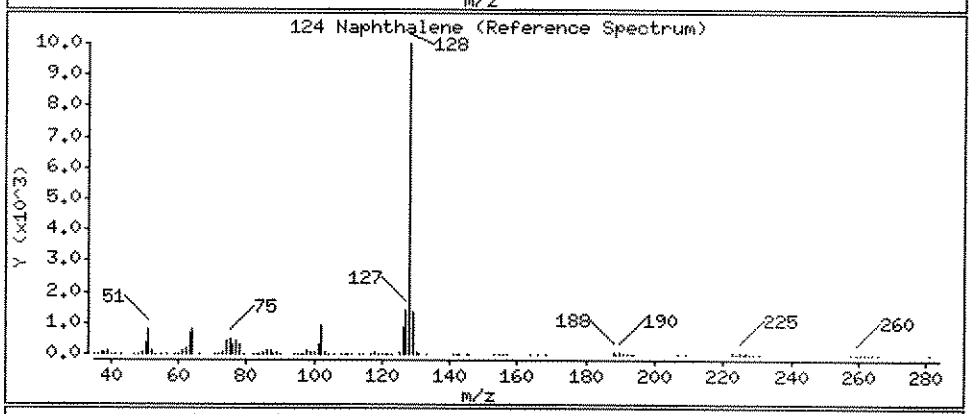
Column phase: RTX-VRX | Column diameter: 0.25

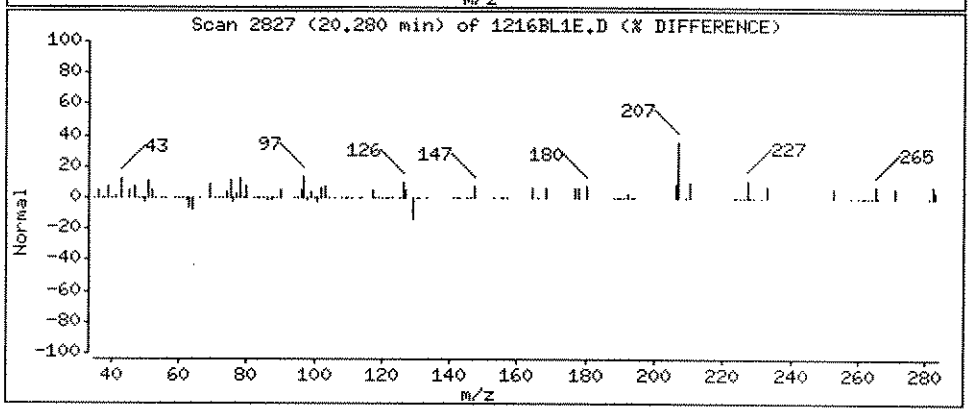
124 Naphthalene | Concentration: 0.1696 ug/L











Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212504.D
Report Date: 17-Dec-2010 08:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212504.D
Lab Smp Id: 1012125-04 Client Smp ID: Trip Blank
Inj Date : 17-DEC-2010 04:14 MS Autotune Date: 13-DEC-2010 15:35
Operator : CLB Inst ID: voa3.i
Smp Info : 1012125-04
Misc Info : ;0;;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\VWATER3.m
Meth Date : 17-Dec-2010 08:22 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

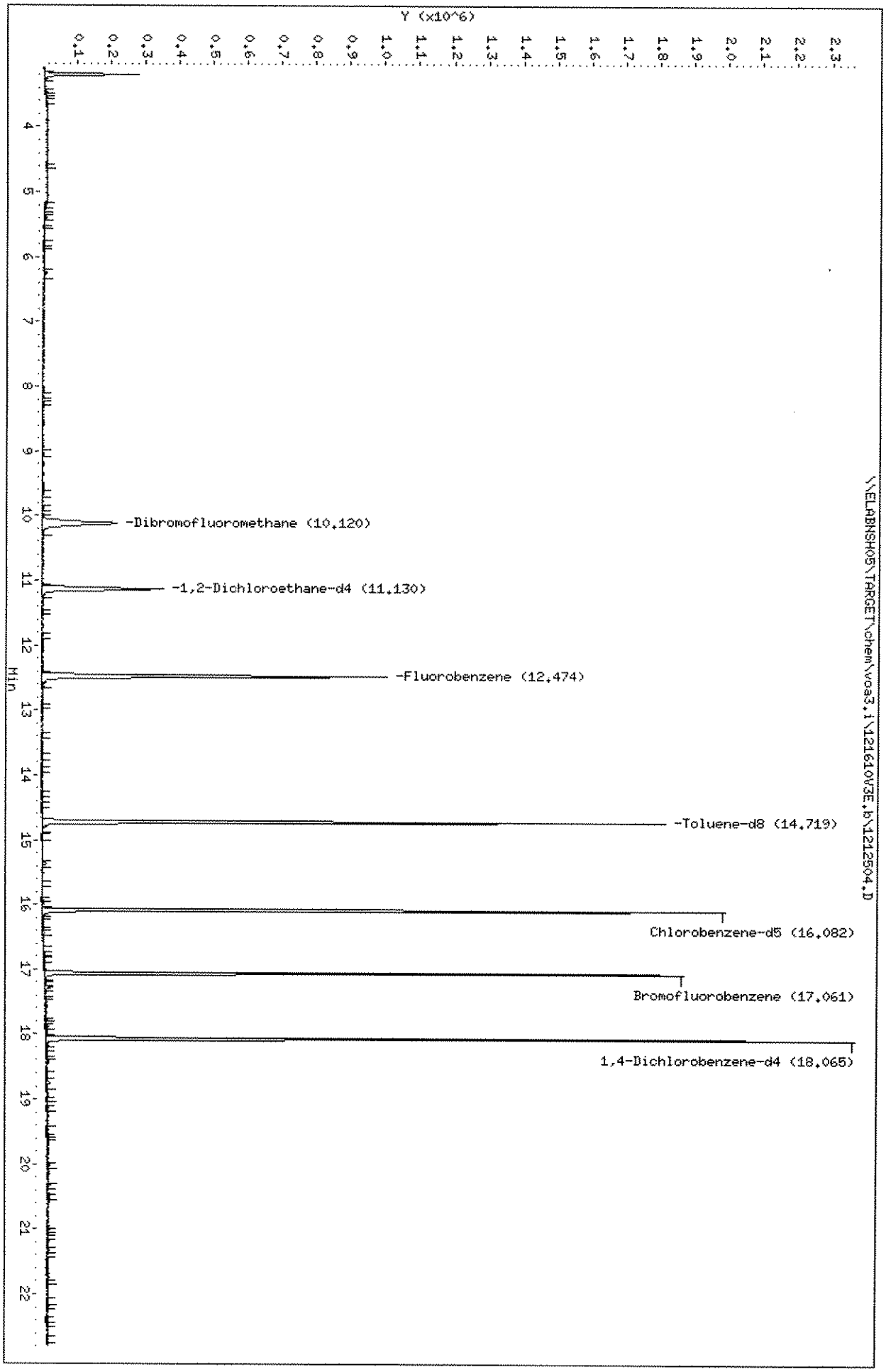
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	12.474	12.480	(1.000)	1121732	30.0000	
14 Acetone	43	5.398	5.393	(0.433)	9633	3.60760	3.608(a)
25 Methylene chloride	84	6.250	6.250	(0.501)	5640	0.62647	0.6265(a)
$ 51 Dibromofluoromethane	111	10.119	10.120	(0.811)	313030	32.1465	32.15
$ 54 1,2-Dichloroethane-d4	102	11.135	11.135	(0.893)	60765	29.4259	29.42(Q)
$ 81 Toluene-d8	98	14.719	14.719	(0.915)	1234344	28.5778	28.58
* 92 Chlorobenzene-d5	82	16.081	16.088	(1.000)	632509	30.0000	
$ 104 Bromofluorobenzene	95	17.061	17.061	(1.061)	635749	30.7753	30.78
* 117 1,4-Dichlorobenzene-d4	152	18.071	18.071	(1.000)	687032	30.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.

Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121610V3E.b\1212504.D
Date : 17-DEC-2010 04:14
Client ID: Trip Blank
Sample Info: 1012125-04
Purge Volume: 5.0
Column phase: RTX-VRX

Instrument: voa3.i
Operator: CLB
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212504.D

Date : 17-DEC-2010 04:14

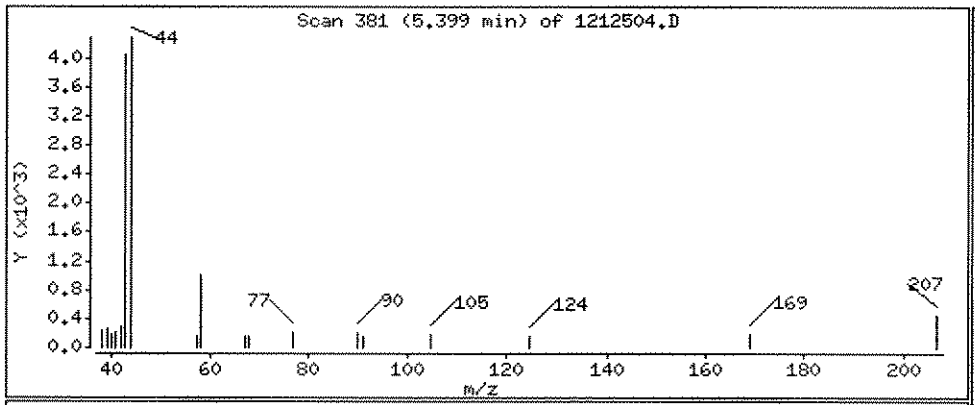
Client ID: Trip Blank | Instrument: voa3.i

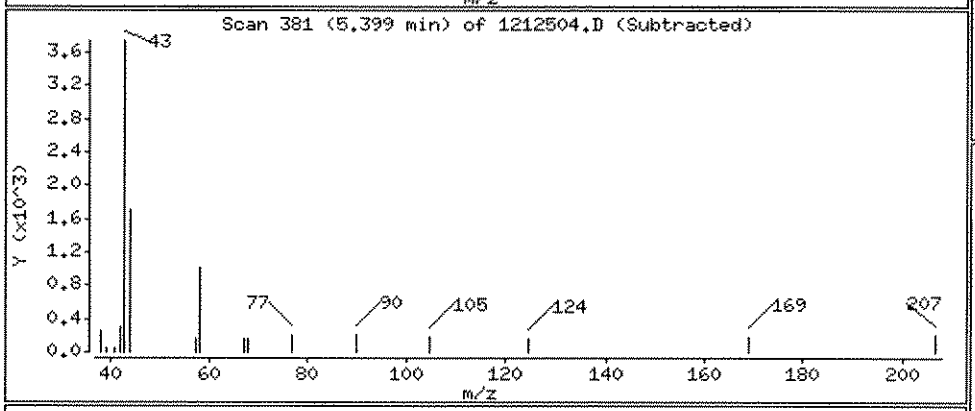
Sample Info: 1012125-04

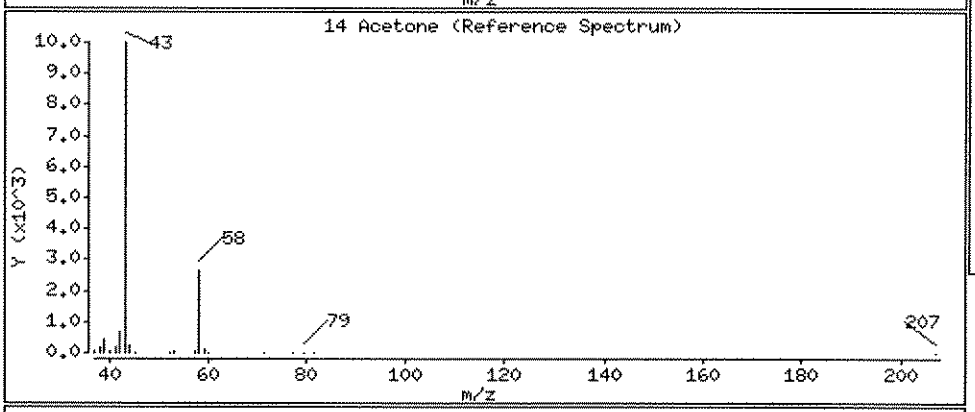
Purge Volume: 5.0 | Operator: CLB

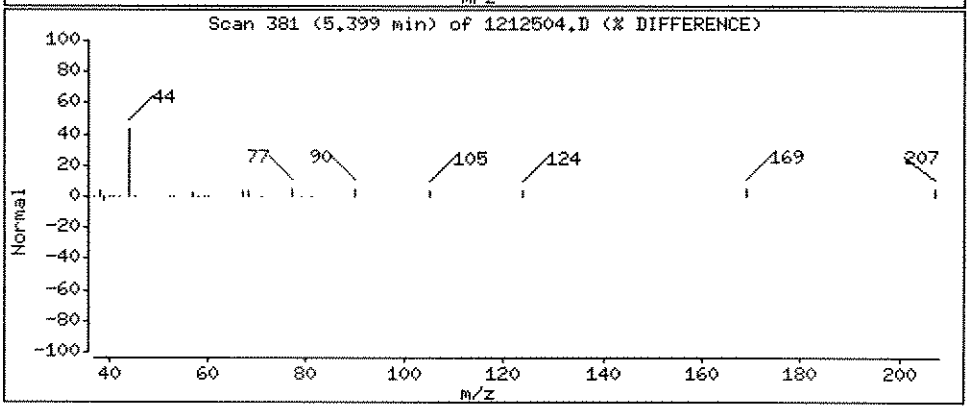
Column phase: RTX-VRX | Column diameter: 0.25

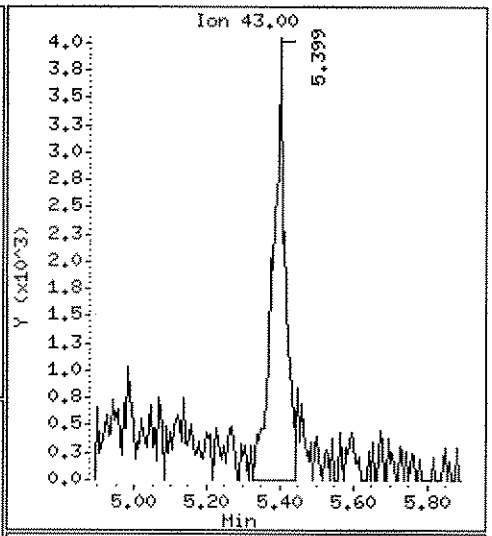
14 Acetone | Concentration: 3.608 ug/L

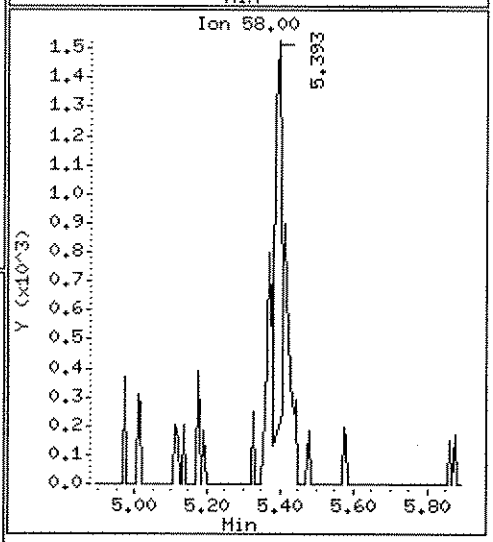












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212504.D

Date : 17-DEC-2010 04:14

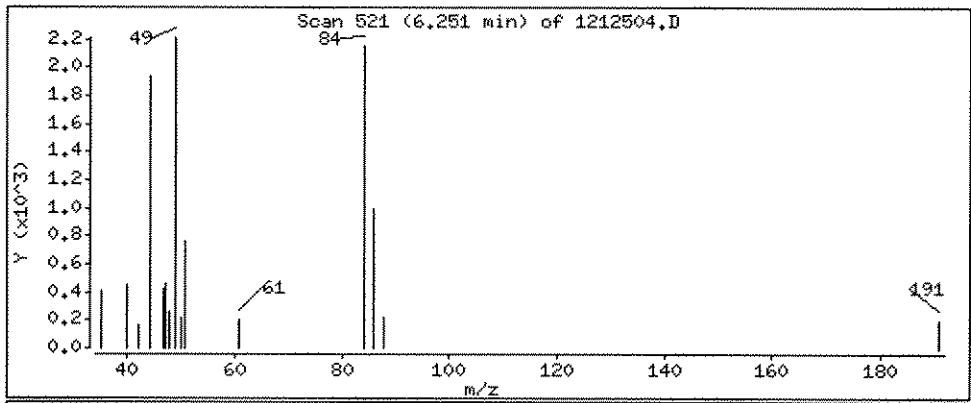
Client ID: Trip Blank | Instrument: voa3.i

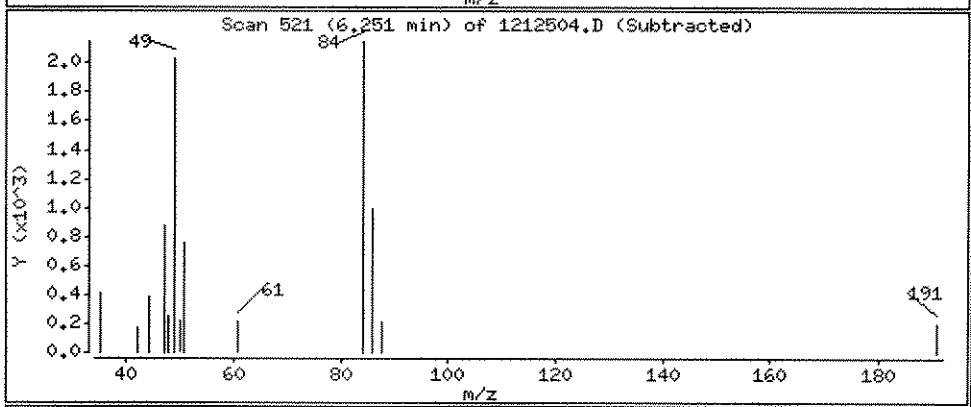
Sample Info: 1012125-04

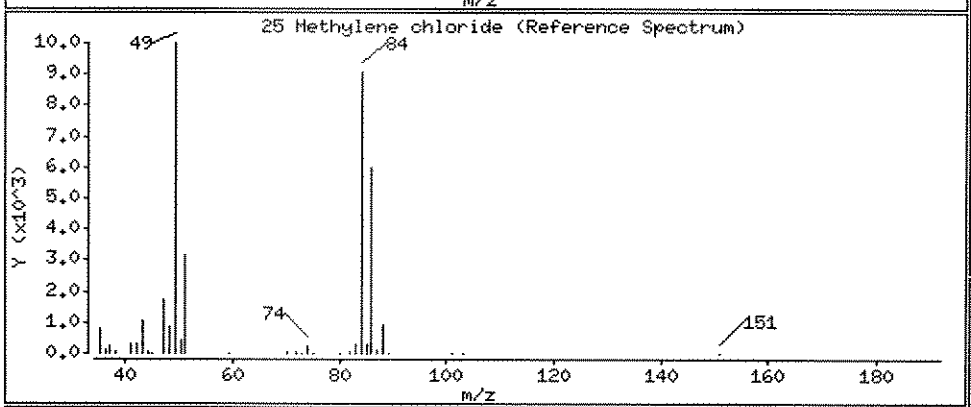
Purge Volume: 5.0 | Operator: CLB

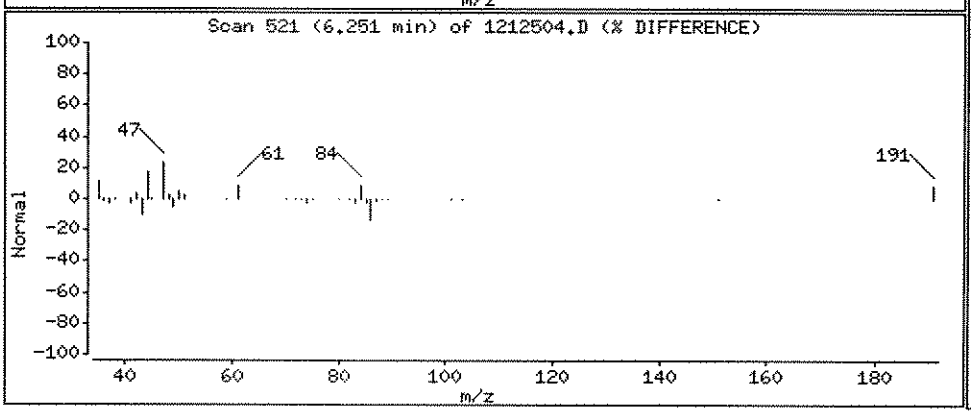
Column phase: RTX-VRX | Column diameter: 0.25

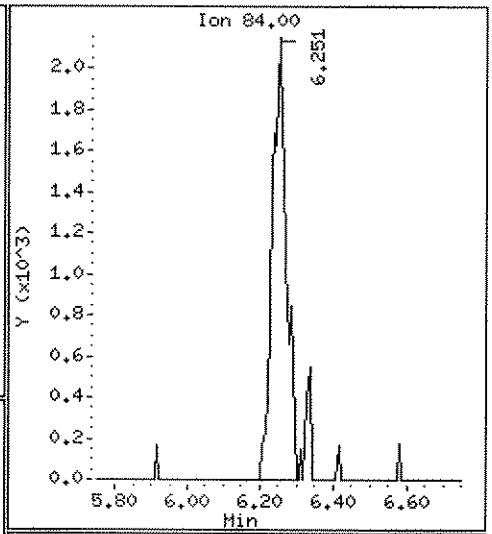
25 Methylene chloride | Concentration: 0.6265 ug/L

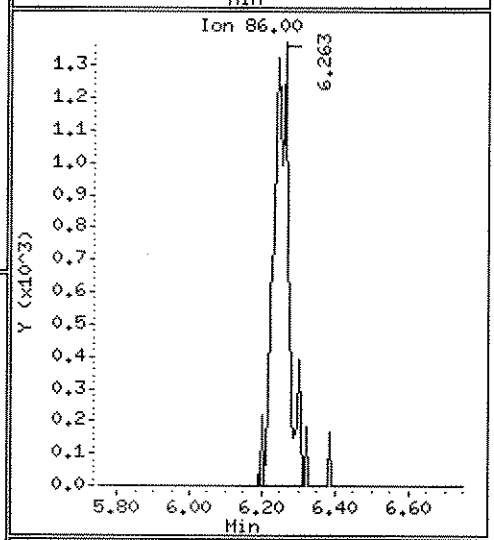


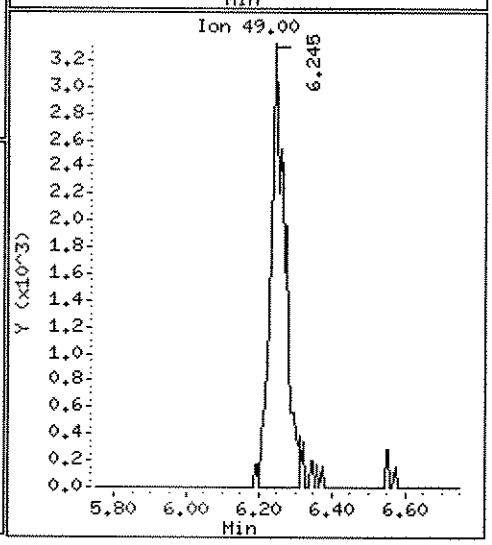












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D
Report Date: 17-Dec-2010 08:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D
Lab Smp Id: 1012125-01 Client Smp ID: JAX-MW-780-1-GW2010
Inj Date : 17-DEC-2010 05:43 MS Autotune Date: 13-DEC-2010 15:35
Operator : CLB Inst ID: voa3.i
Smp Info : 1012125-01
Misc Info : ;0;;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\VWATER3.m
Meth Date : 17-Dec-2010 08:22 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 29
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	12.474	12.480	(1.000)	1073373	30.0000	
4 Vinyl chloride	62	3.939	3.939	(0.316)	315607	46.1855	46.18
8 Chloroethane	64	4.559	4.565	(0.366)	142171	33.6461	33.65
15 t-Butyl alcohol	59	6.031	6.037	(0.484)	8369	10.5278	10.53
22 1,1-Dichloroethene	96	6.031	6.037	(0.484)	81283	12.2875	12.29
14 Acetone	43	5.393	5.393	(0.432)	8422	3.29618	3.296(a)
32 trans-1,2-Dichloroethene	96	7.418	7.412	(0.595)	11873	1.54804	1.548
34 1,1-Dichloroethane	63	7.917	7.917	(0.635)	331455	23.3328	23.33
46 cis-1,2 Dichloroethene	96	9.268	9.280	(0.743)	1012646	121.892	121.9
M 30 1,2-Dichloroethene(total)	96				1024519	123.440	123.4
$ 51 Dibromofluoromethane	111	10.107	10.120	(0.810)	294250	31.5793	31.58
$ 54 1,2-Dichloroethane-d4	102	11.129	11.135	(0.892)	56634	28.6611	28.66(Q)
61 Benzene	78	12.121	12.127	(0.972)	31097	0.99979	0.9998(a)
55 1,2-Dichloroethane	62	11.288	11.281	(0.905)	12178	0.94065	0.9406(aM)
67 Trichloroethene	95	13.082	13.088	(1.049)	15013	1.63049	1.630
66 1,2-Dichloropropane	63	12.997	13.009	(1.042)	916	0.10782	0.1078(aQ)

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D
Report Date: 17-Dec-2010 08:23

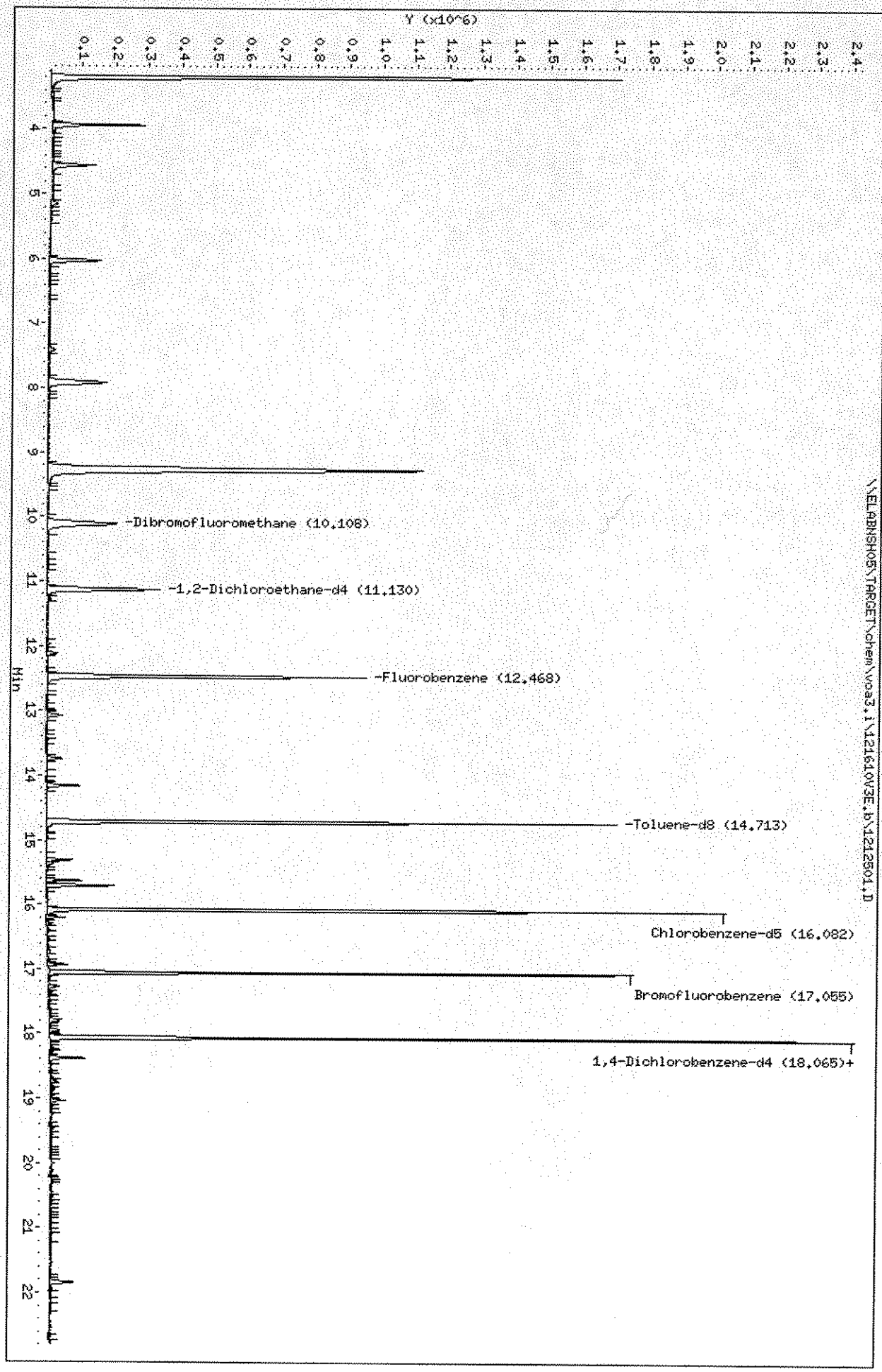
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
$ 81 Toluene-d8	98	14.719	14.719	(0.915)	1180061	28.2007	28.20
74 Methyl cyclohexane	83	13.745	13.751	(1.102)	15944	1.51408	1.514
* 92 Chlorobenzene-d5	82	16.081	16.088	(1.000)	612780	30.0000	
$ 104 Bromofluorobenzene	95	17.055	17.061	(1.061)	600303	29.9950	30.00
114 sec-Butylbenzene	105	17.961	17.961	(0.994)	17321	0.40835	0.4083(a)
* 117 1,4-Dichlorobenzene-d4	152	18.065	18.071	(1.000)	655229	30.0000	
118 1,4-Dichlorobenzene	146	18.089	18.089	(1.001)	6617	0.28839	0.2884(aQ)
120 1,2-Dichlorobenzene	146	18.381	18.387	(1.018)	38133	1.74939	1.749
119 p-Isopropyltoluene	119	17.791	17.797	(0.985)	16310	0.54655	0.5466(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121610V3E.b\1212501.D
Date : 17-DEC-2010 05:43
Client ID: JAX-MW-780-1-GW2010
Sample Info: 1012125-01
Purge Volume: 5.0
Column Phase: RTX-VRX

Instrument: voa3.i
Operator: CLB
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

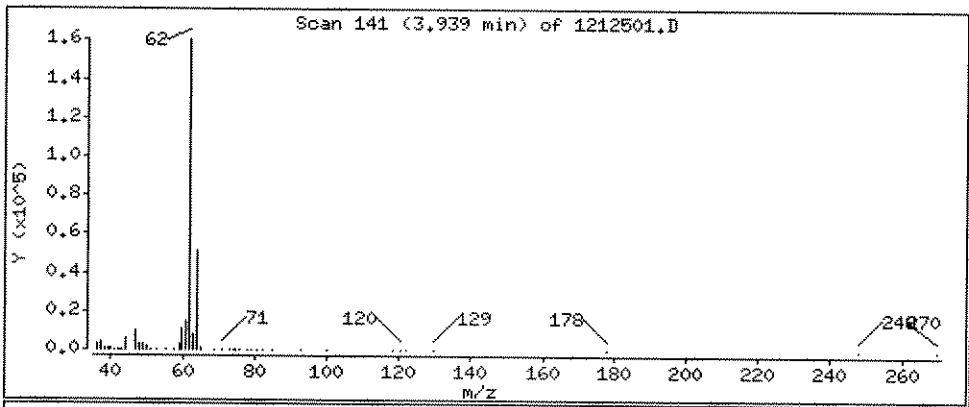
Client ID: JAX-MW-780-1-GW2010 Instrument: voa3.i

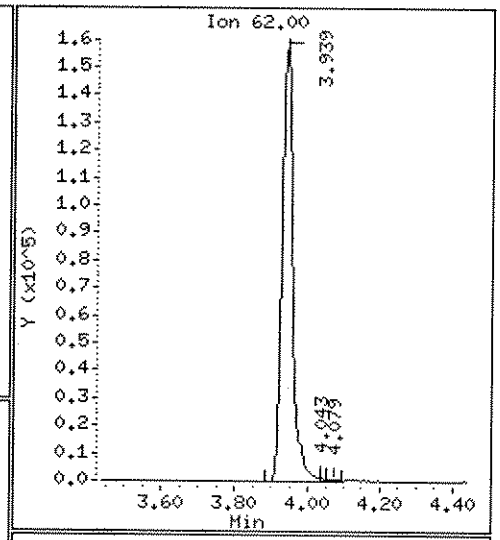
Sample Info: 1012125-01

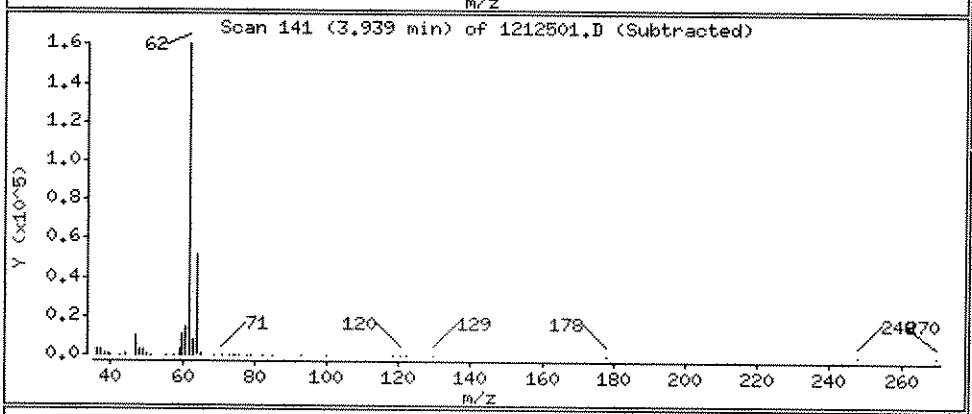
Purge Volume: 5.0 Operator: CLB

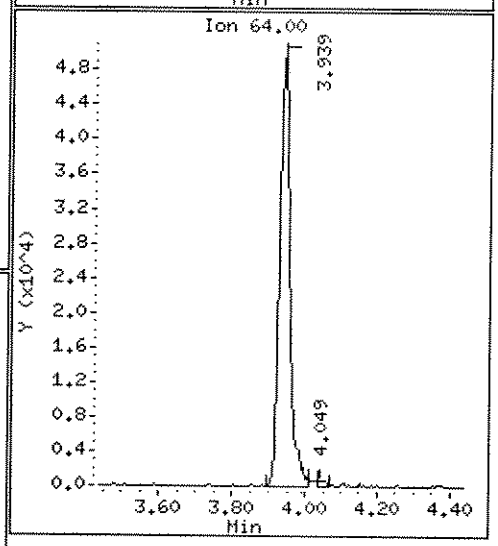
Column phase: RTX-VRX Column diameter: 0.25

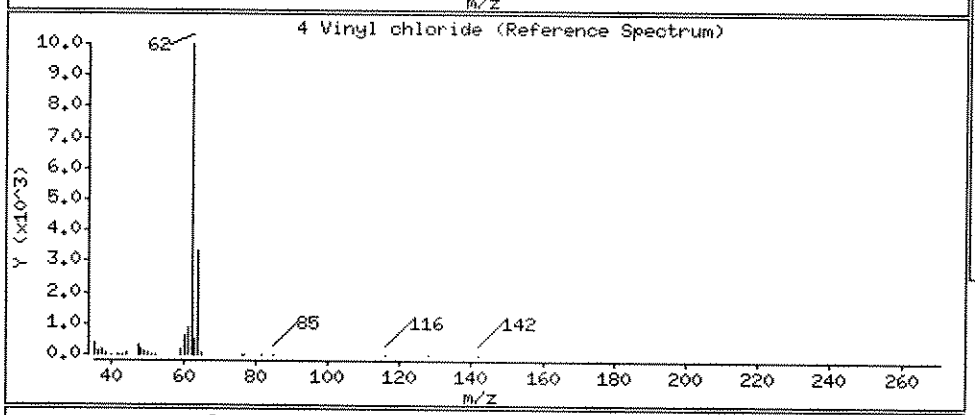
4 Vinyl chloride Concentration: 46.18 ug/L

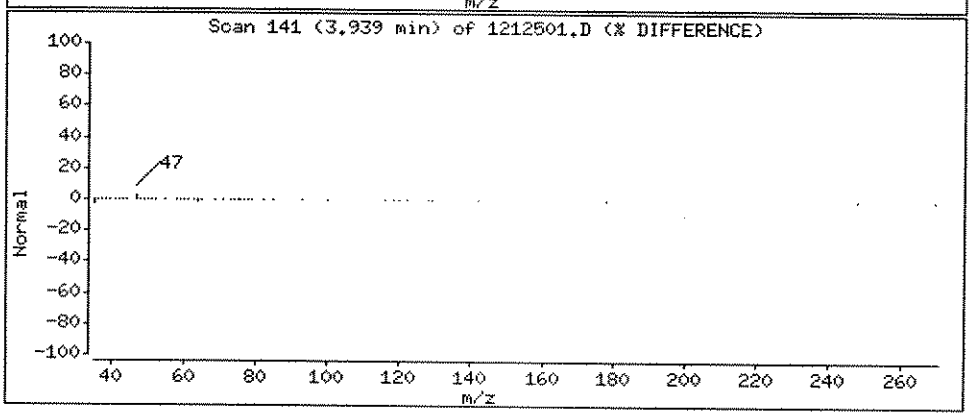












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

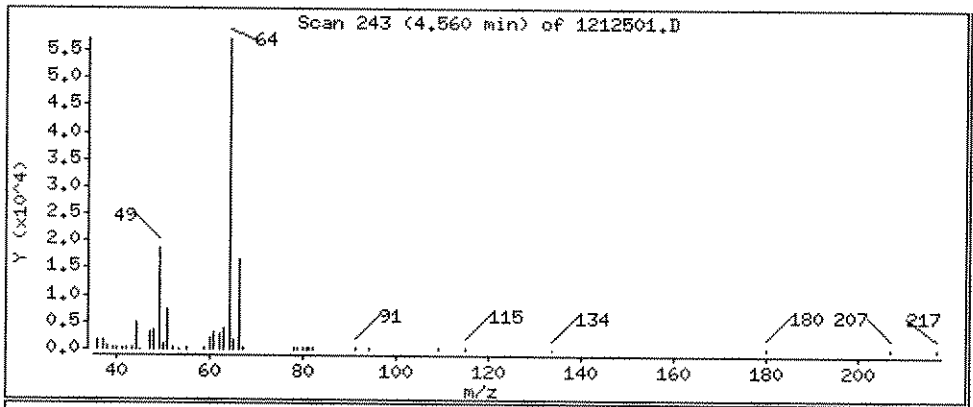
Client ID: JAX-MW-780-1-GW2010 Instrument: voa3.i

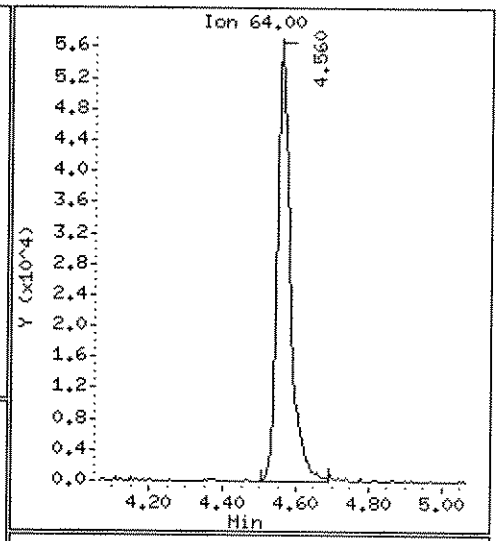
Sample Info: 1012125-01

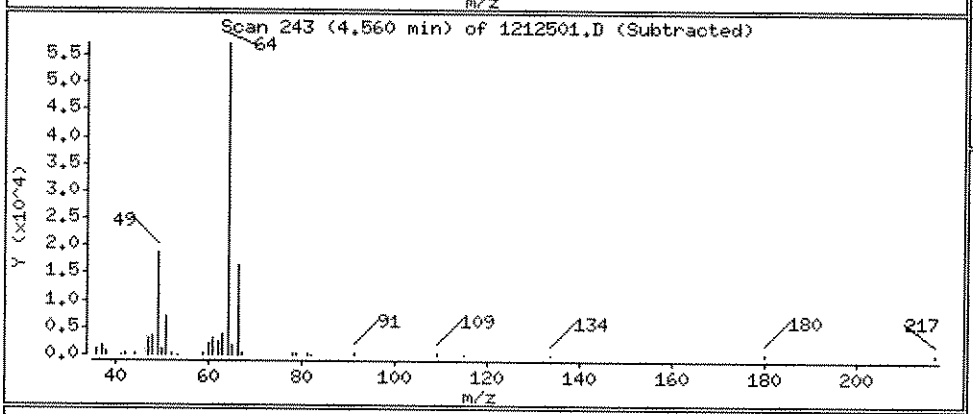
Purge Volume: 5.0 Operator: CLB

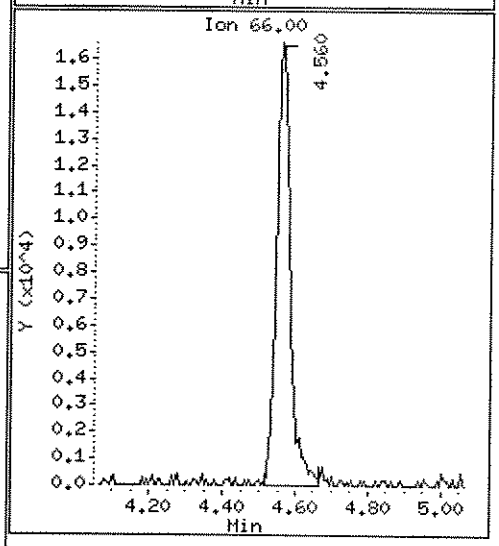
Column phase: RTX-VRX Column diameter: 0.25

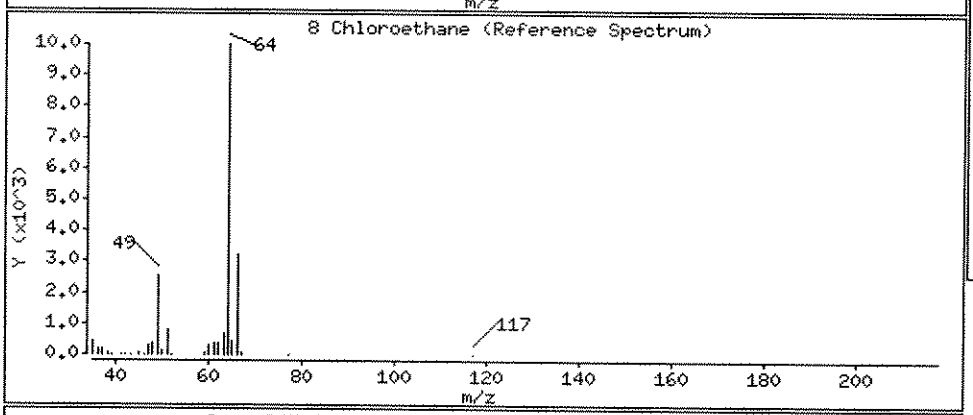
8 Chloroethane Concentration: 33.65 ug/L

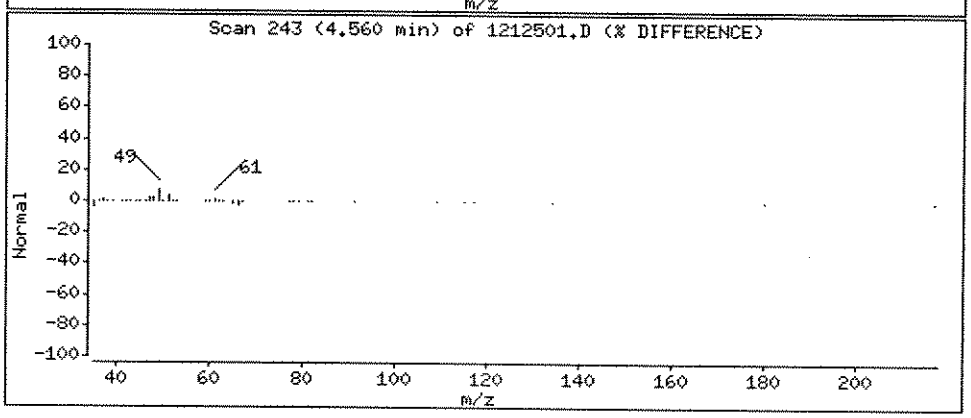












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

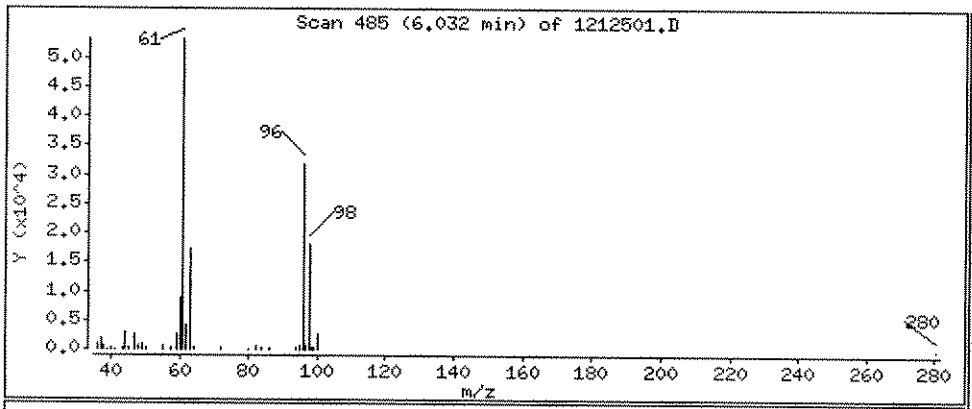
Client ID: JAX-MW-780-1-GW2010 Instrument: voa3.i

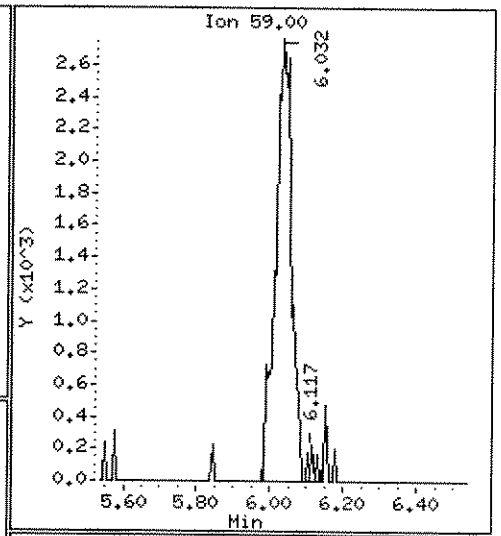
Sample Info: 1012125-01

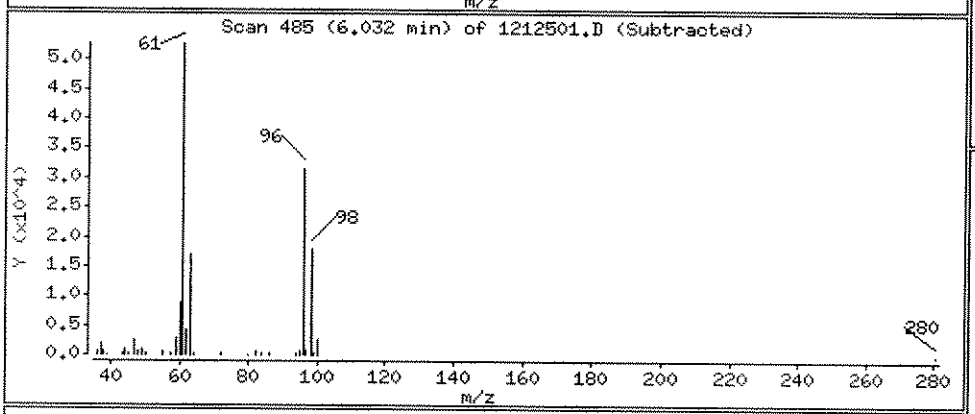
Purge Volume: 5.0 Operator: CLB

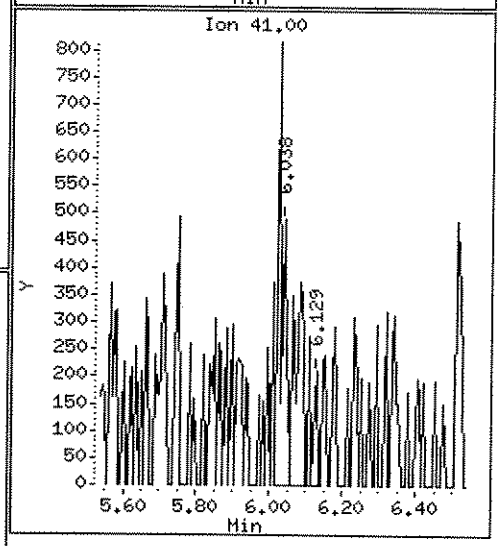
Column phase: RTX-VRX Column diameter: 0.25

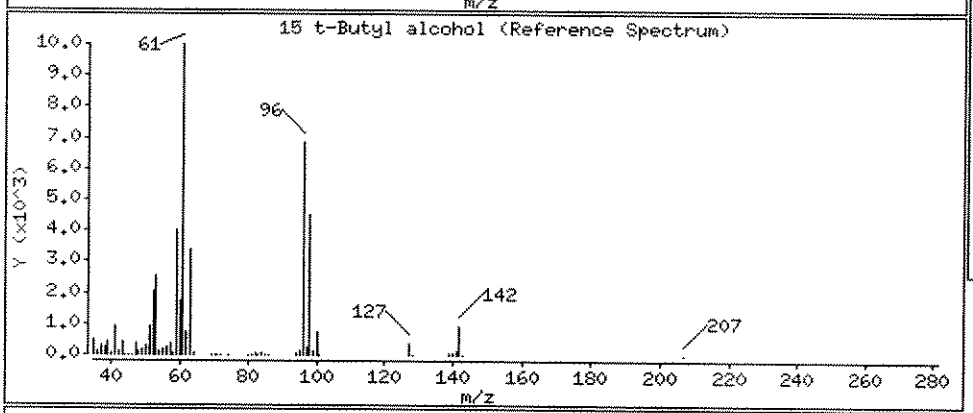
15 t-Butyl alcohol Concentration: 10.53 ug/L

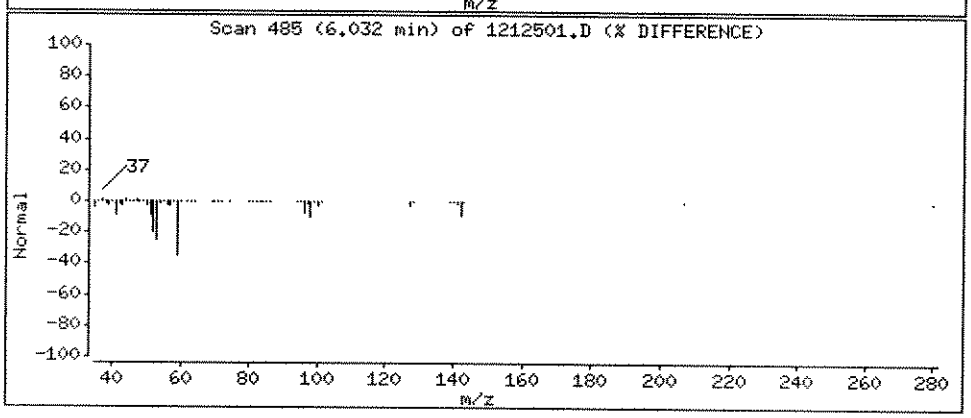












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

Client ID: JAX-MW-780-1-GW2010

Instrument: voa3.i

Sample Info: 1012125-01

Purge Volume: 5.0

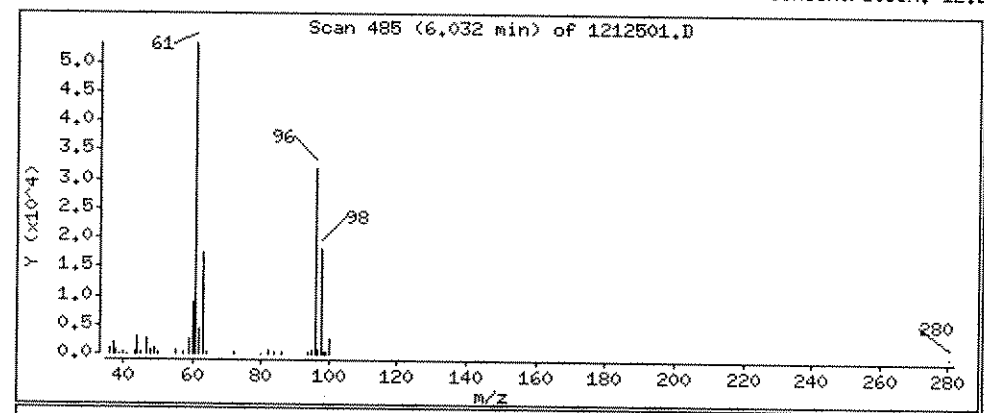
Operator: CLB

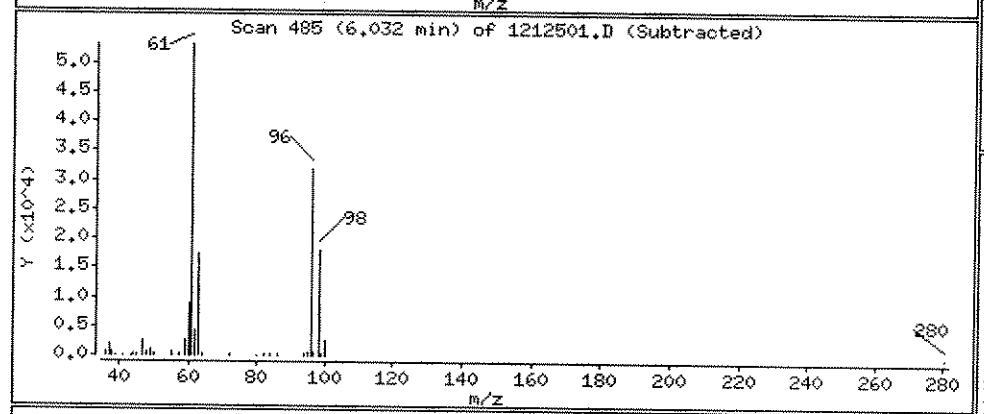
Column phase: RTX-VRX

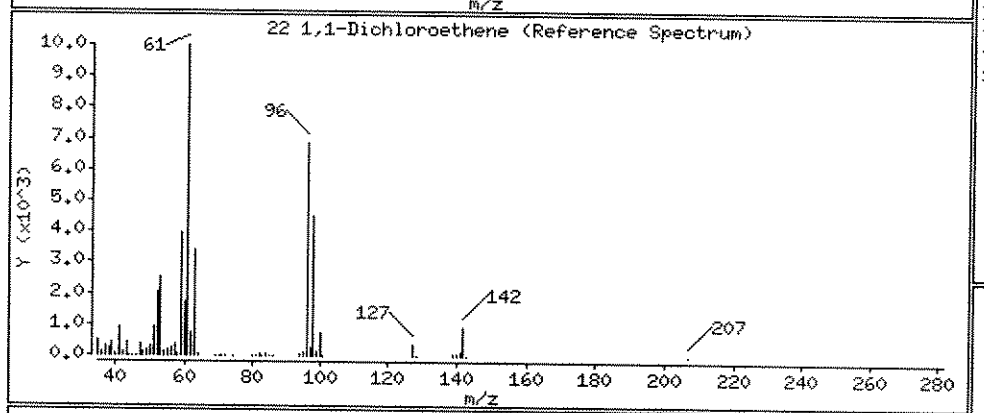
Column diameter: 0.25

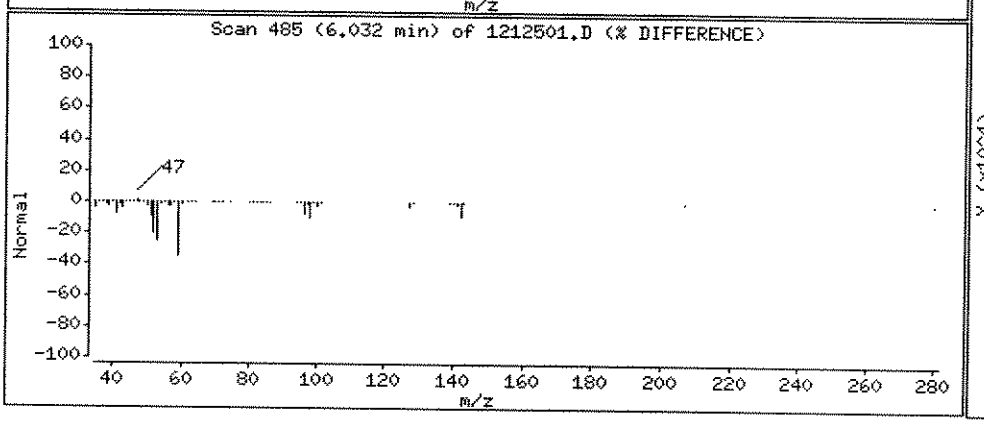
22 1,1-Dichloroethene

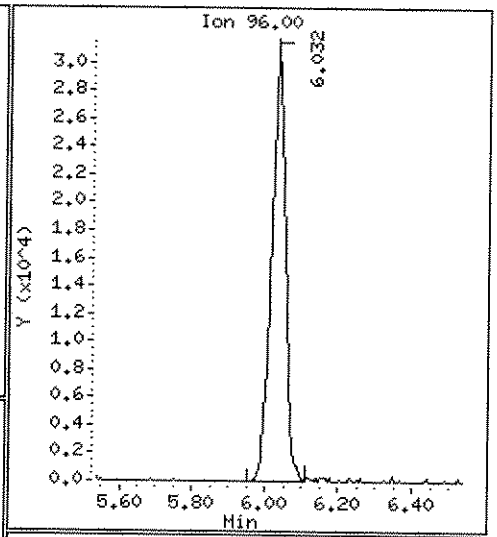
Concentration: 12.29 ug/L

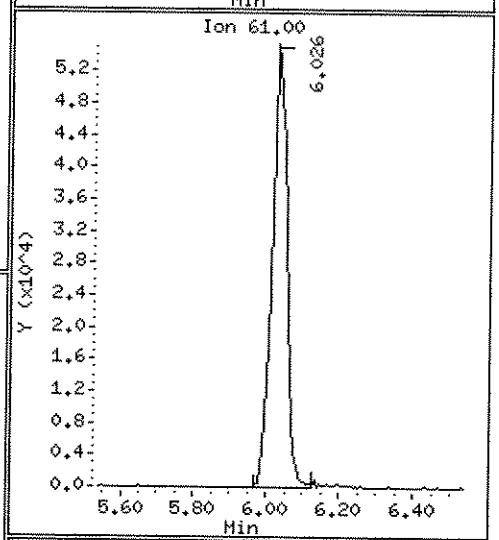


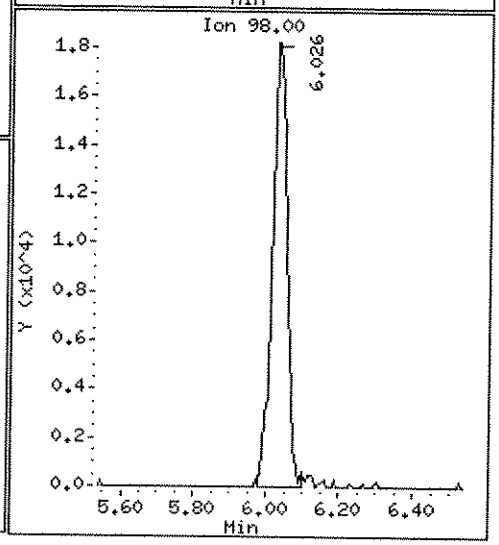












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

Client ID: JAX-MW-780-1-GW2010

Instrument: voa3.i

Sample Info: 1012125-01

Purge Volume: 5.0

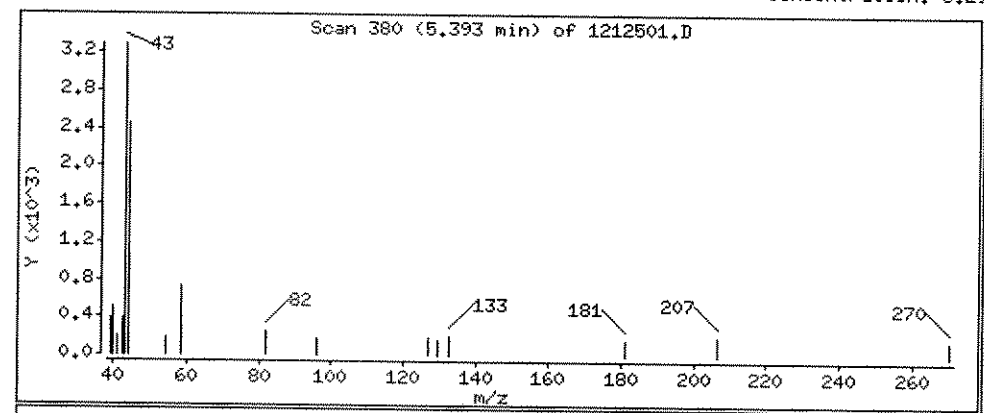
Operator: CLB

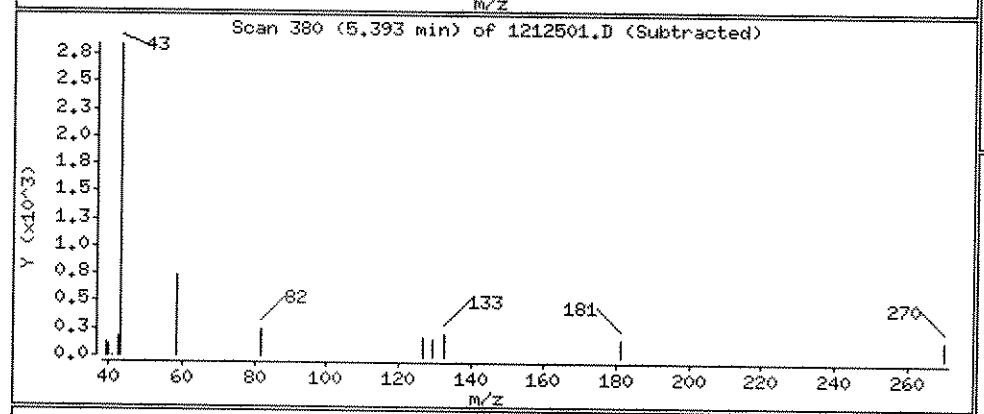
Column phase: RTX-VRX

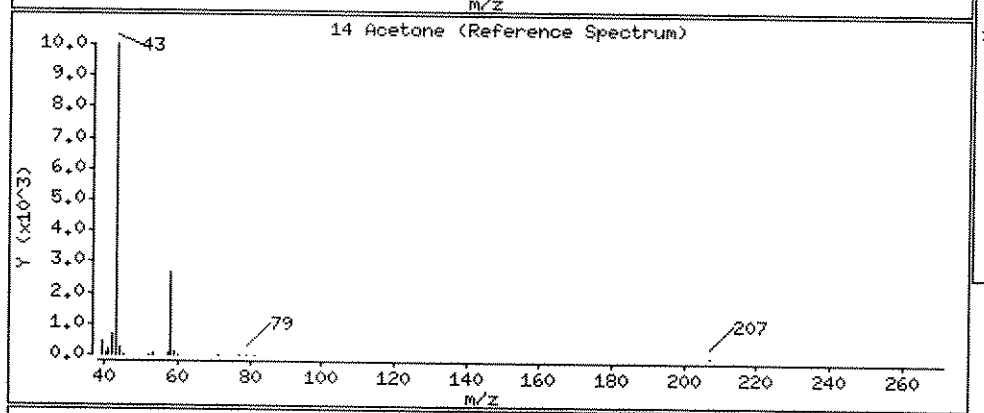
Column diameter: 0.25

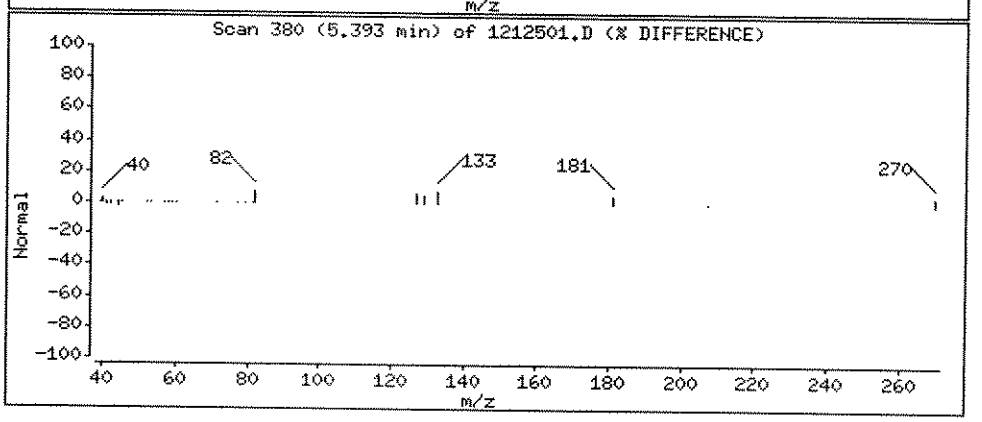
14 Acetone

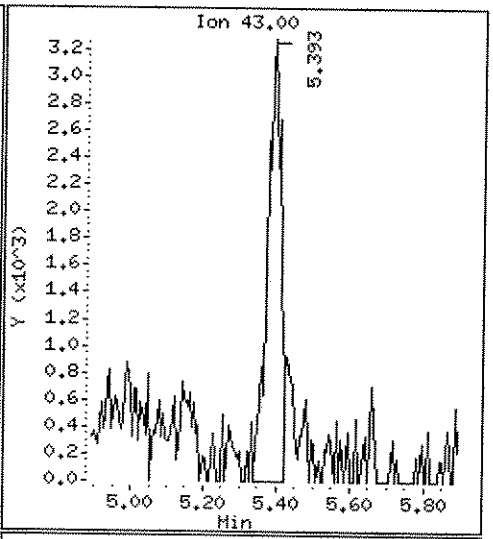
Concentration: 3.296 ug/L

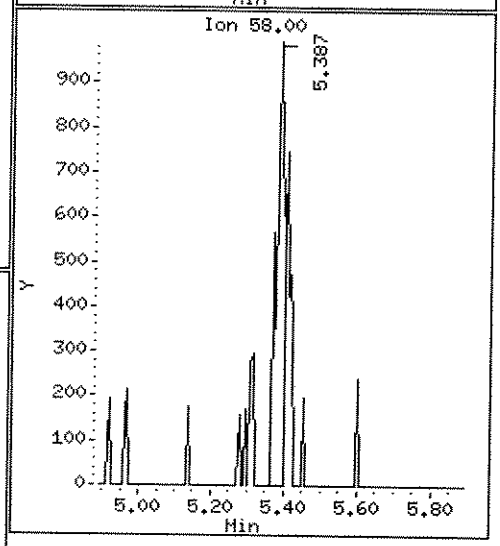












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

Client ID: JAX-MW-780-1-GW2010

Instrument: voa3.i

Sample Info: 1012125-01

Purge Volume: 5.0

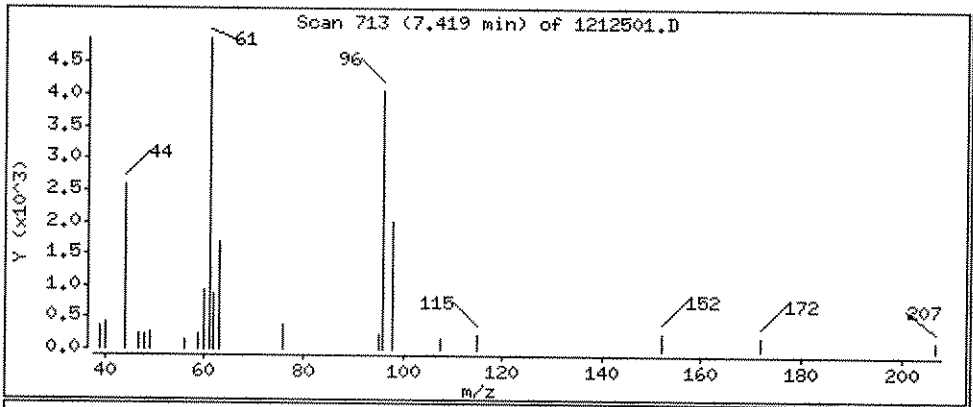
Operator: CLB

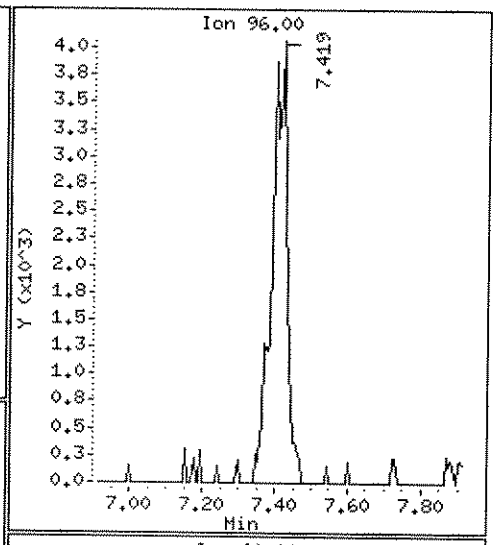
Column phase: RTX-VRX

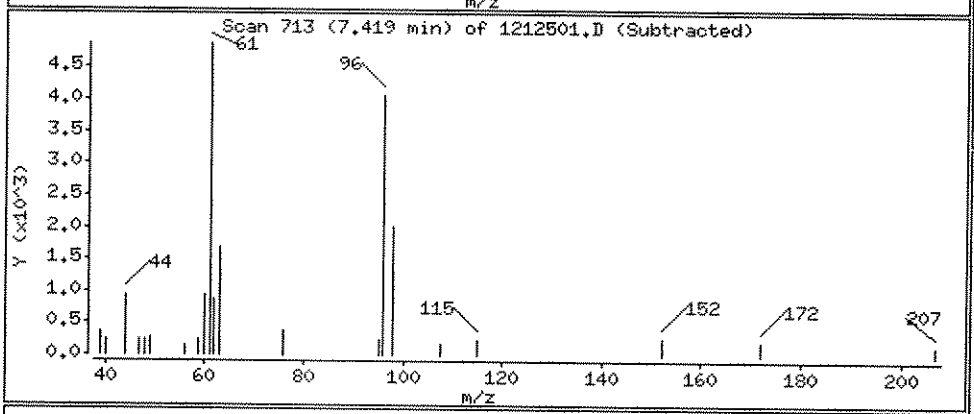
Column diameter: 0.25

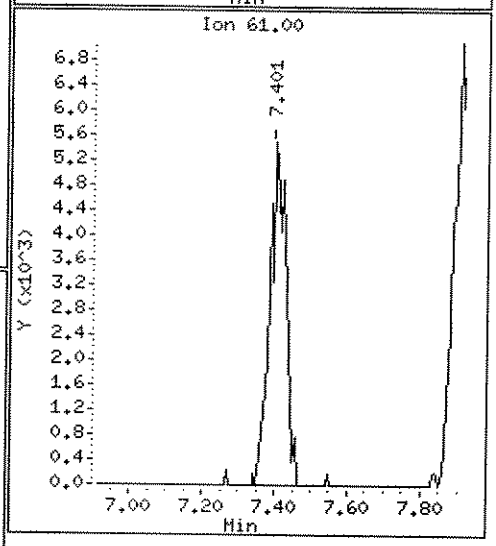
32 trans-1,2-Dichloroethene

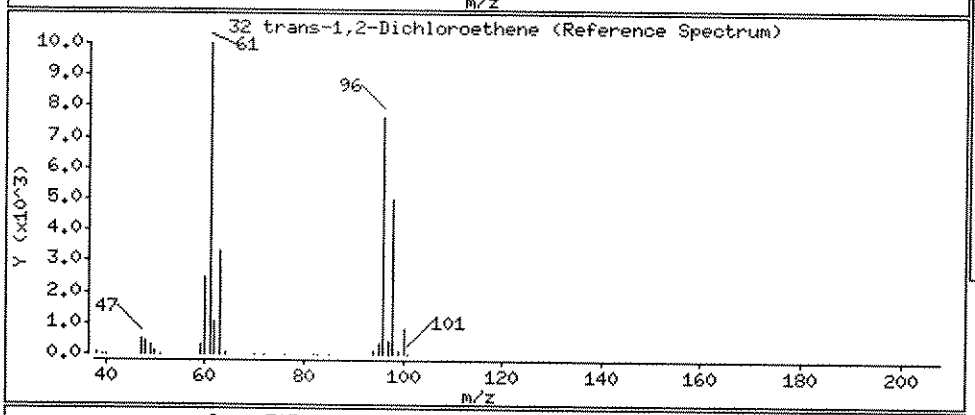
Concentration: 1.548 ug/L

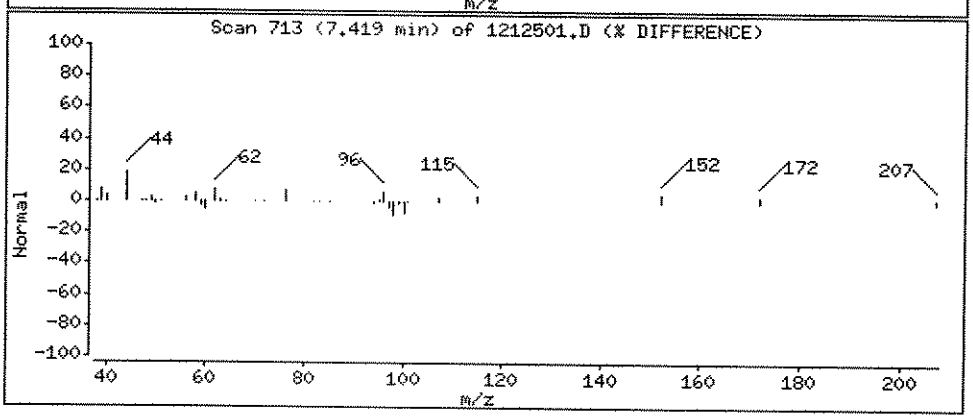












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

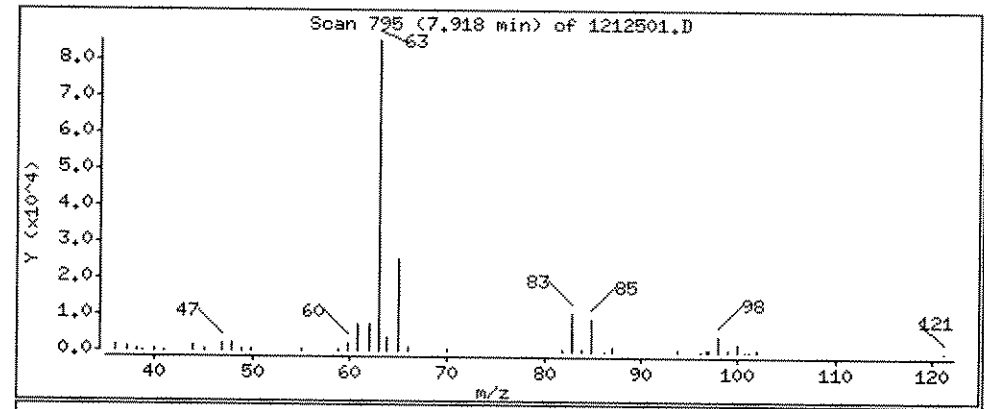
Client ID: JAX-MW-780-1-GW2010 Instrument: voa3.i

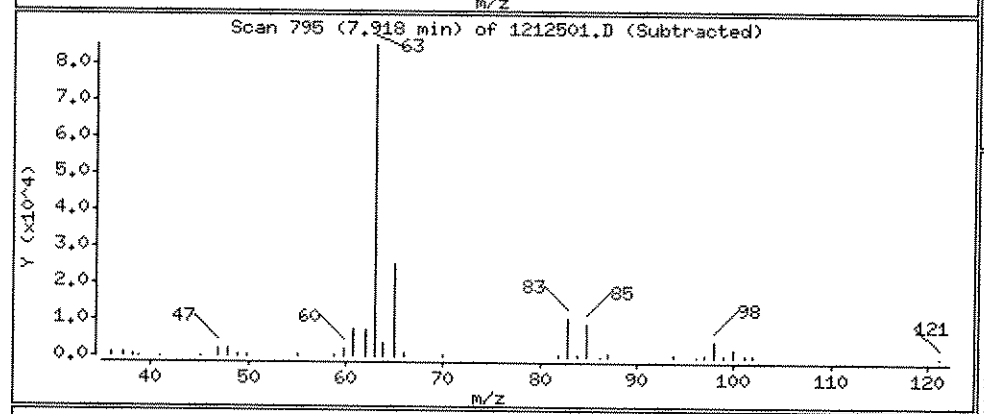
Sample Info: 1012125-01

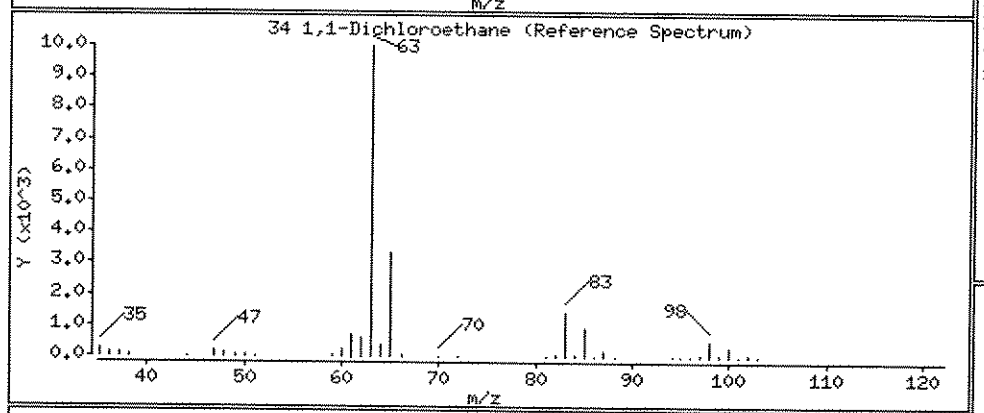
Purge Volume: 5.0 Operator: CLB

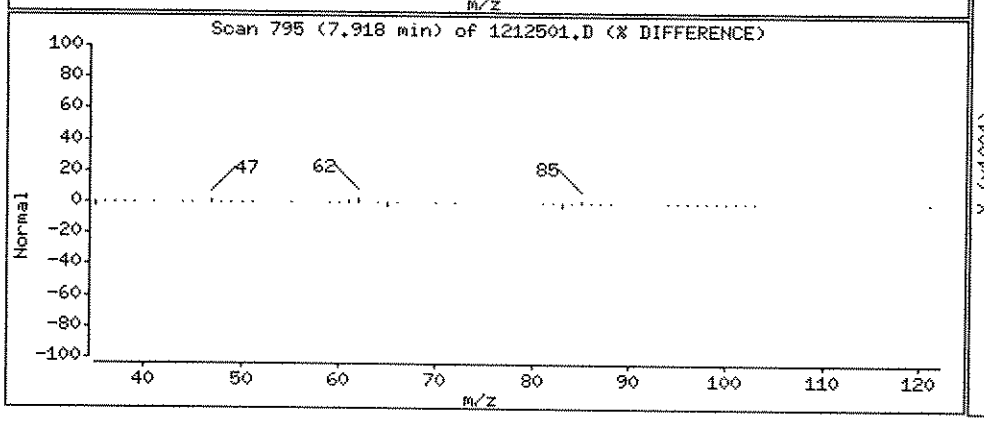
Column phase: RTX-VRX Column diameter: 0.25

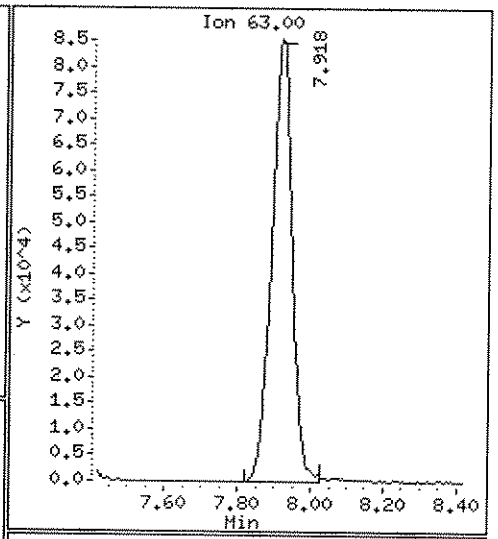
34 1,1-Dichloroethane Concentration: 23.33 ug/L

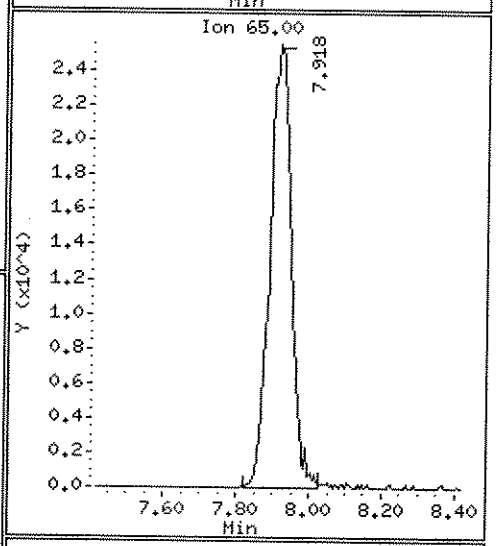


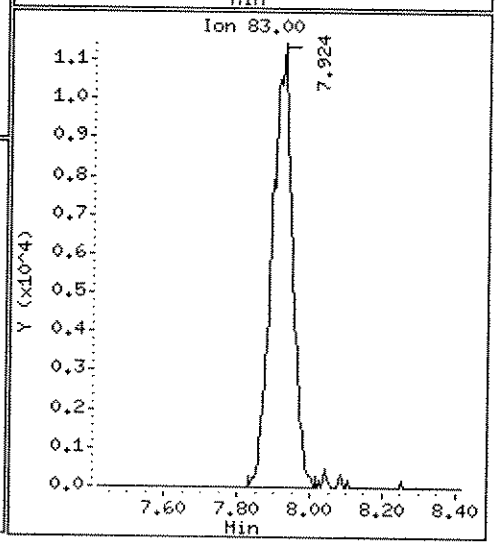












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

Client ID: JAX-MW-780-1-GW2010

Instrument: voa3.i

Sample Info: 1012125-01

Purge Volume: 5.0

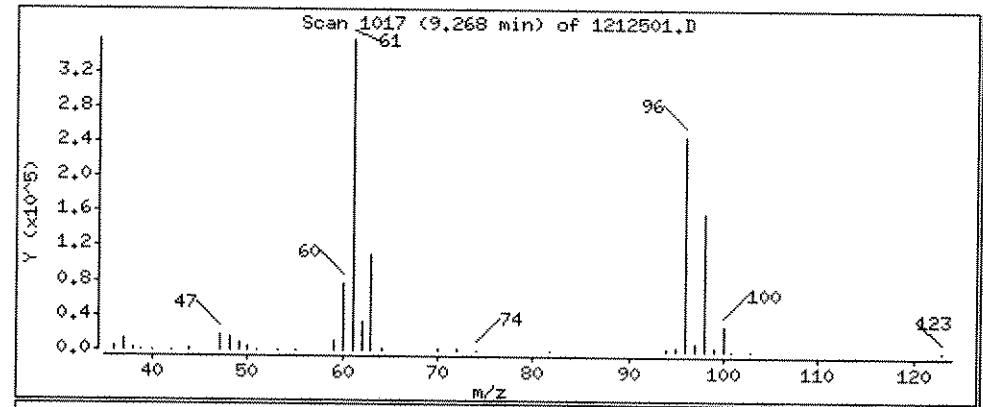
Operator: CLB

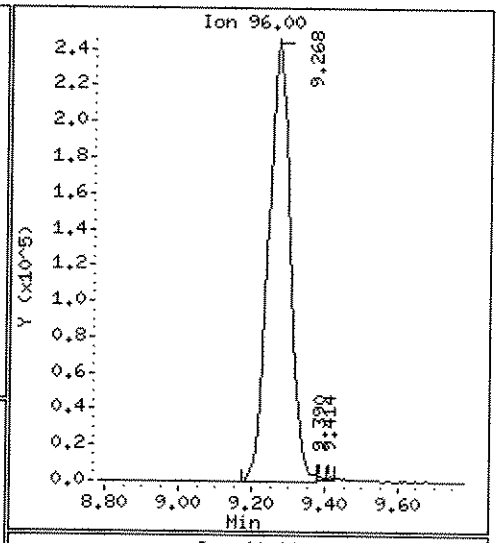
Column phase: RTX-VRX

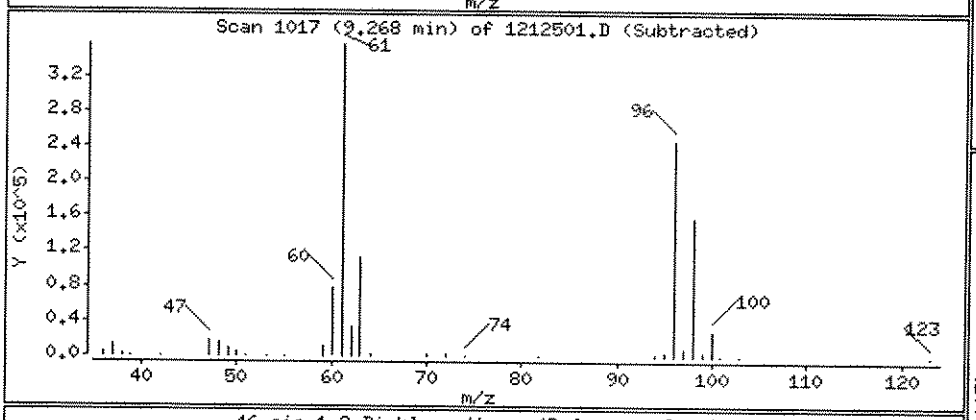
Column diameter: 0.25

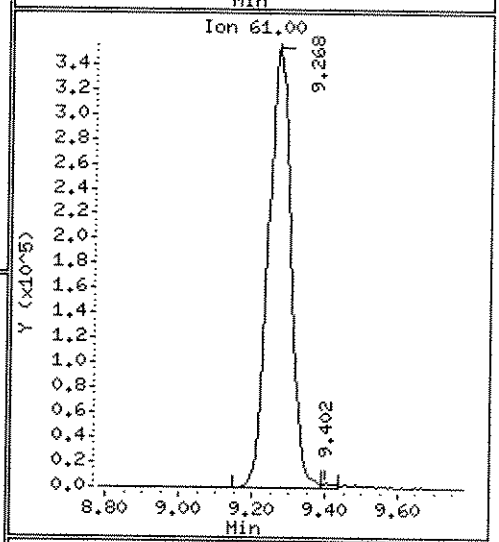
46 cis-1,2-Dichloroethene

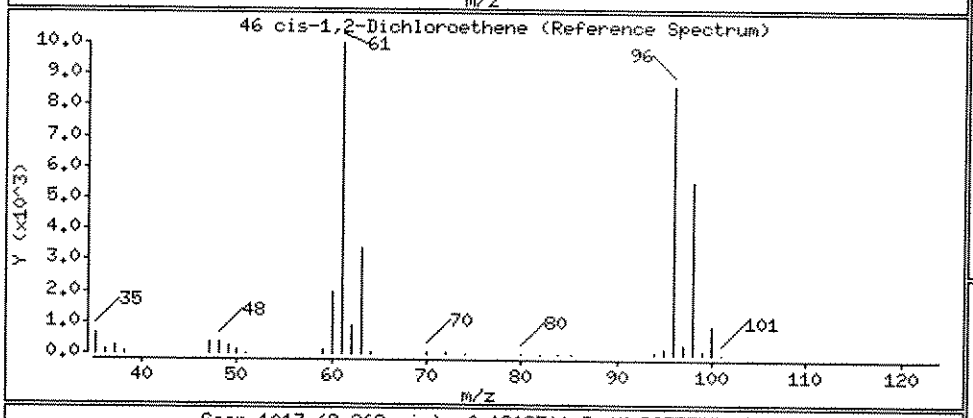
Concentration: 121.9 ug/L

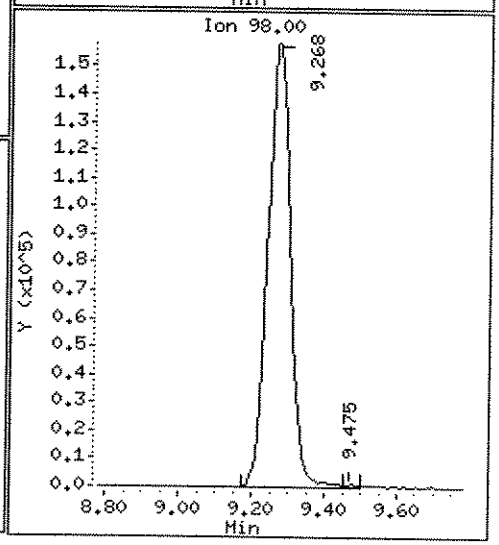


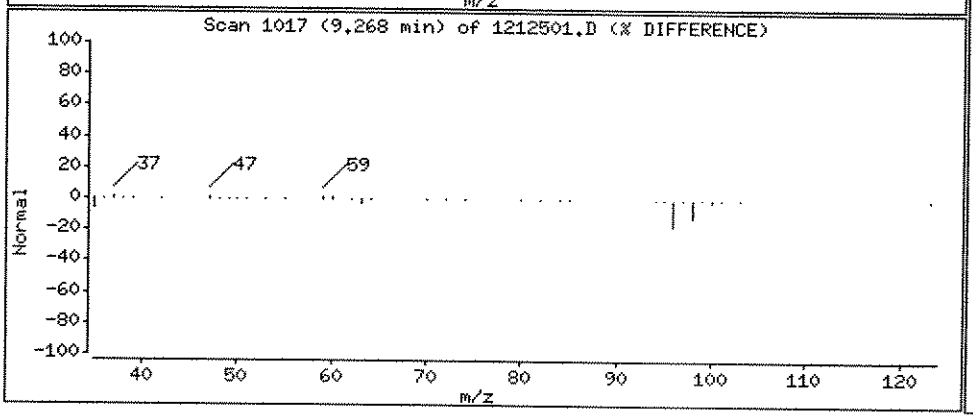












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

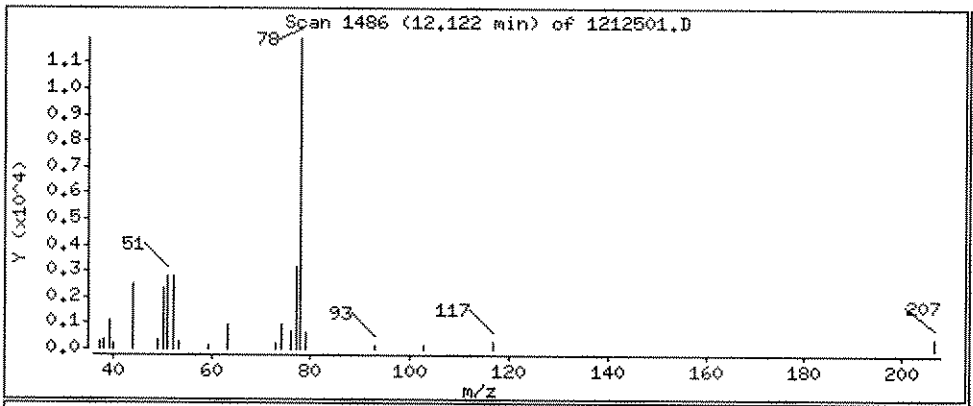
Client ID: JAX-MW-780-1-GW2010 Instrument: voa3.i

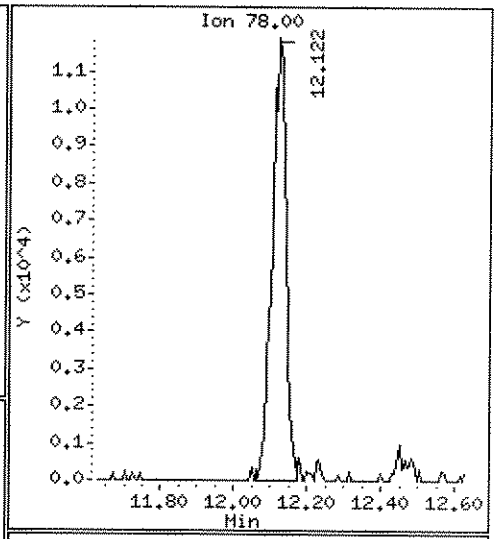
Sample Info: 1012125-01

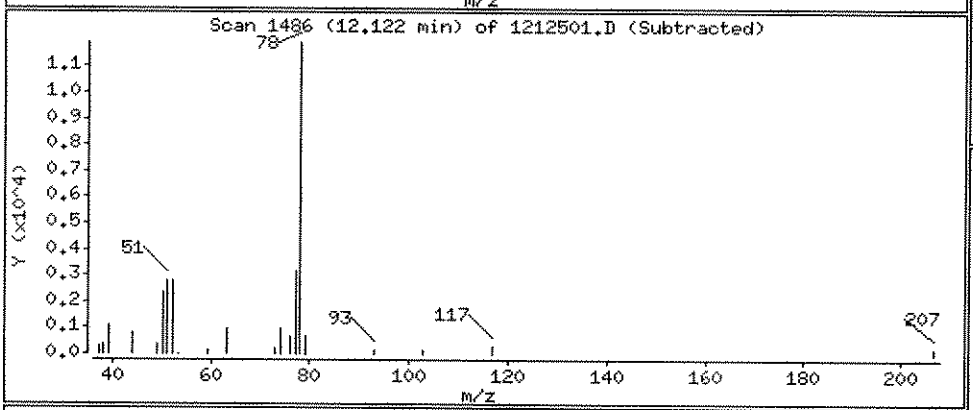
Purge Volume: 5.0 Operator: CLB

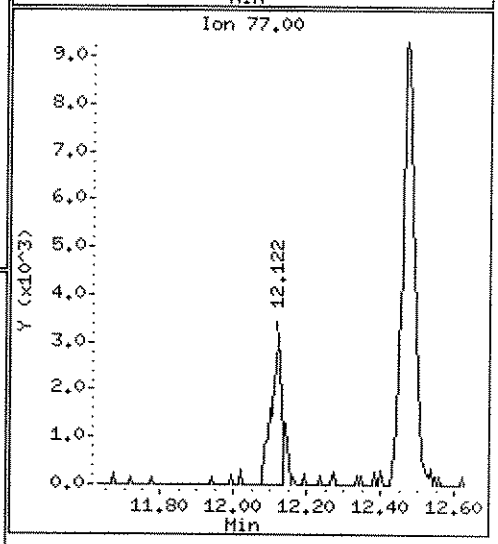
Column phase: RTX-VRX Column diameter: 0.25

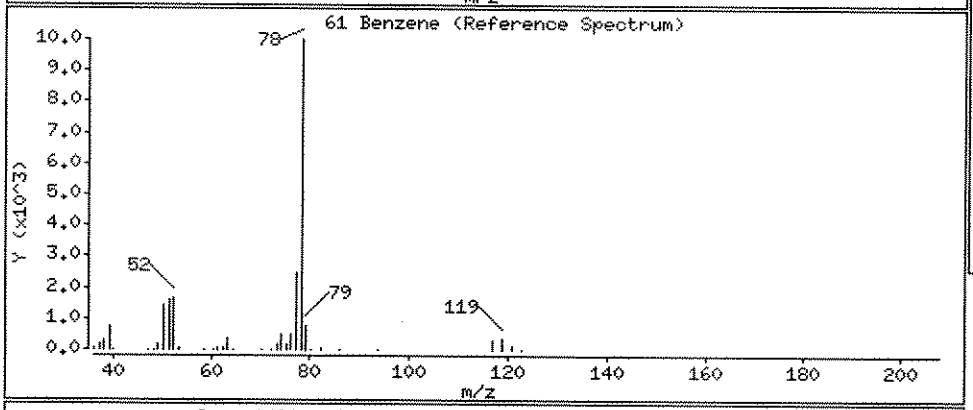
61 Benzene Concentration: 0.9998 ug/L

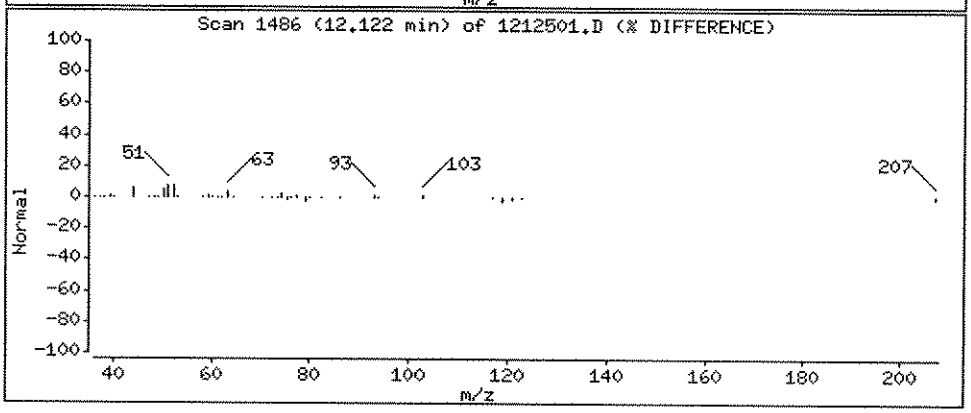






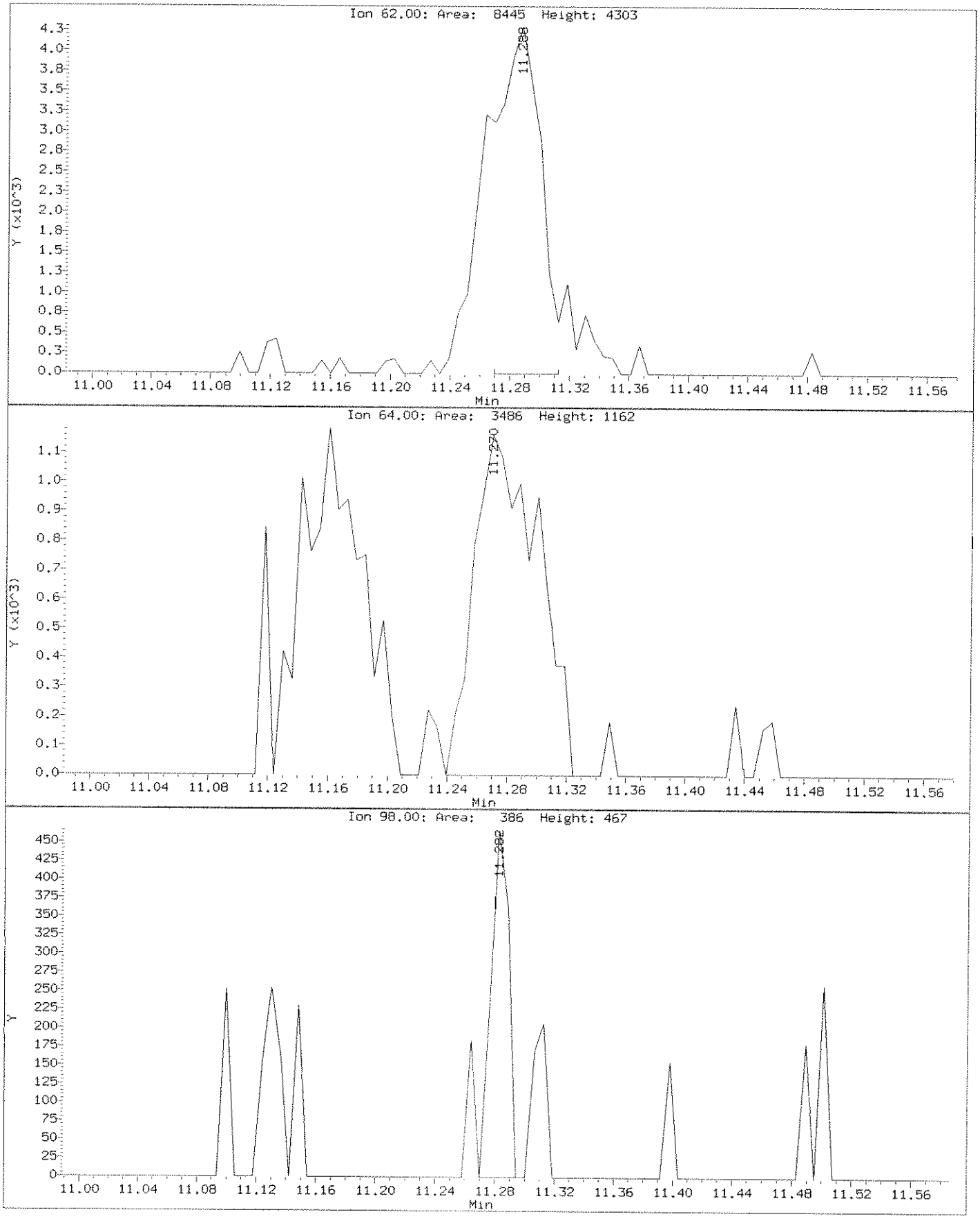






Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D
Injection Date: 17-DEC-2010 05:43
Instrument: voa3.i
Client Sample ID: JAX-MW-780-1-GW2010

Compound: 1,2-Dichloroethane
CAS Number: 107-06-2



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

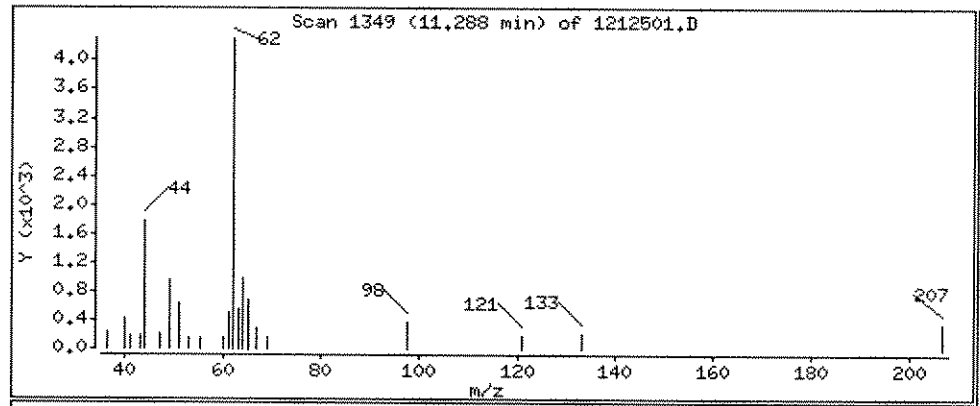
Client ID: JAX-MW-780-1-GW2010 Instrument: voa3.i

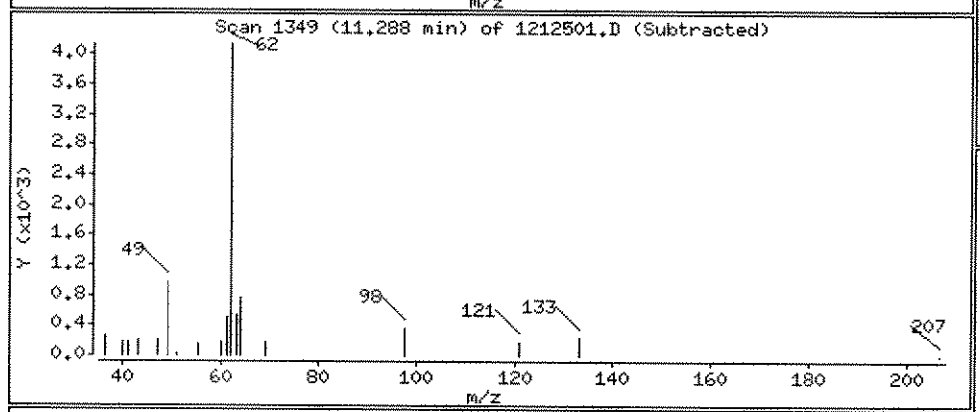
Sample Info: 1012125-01

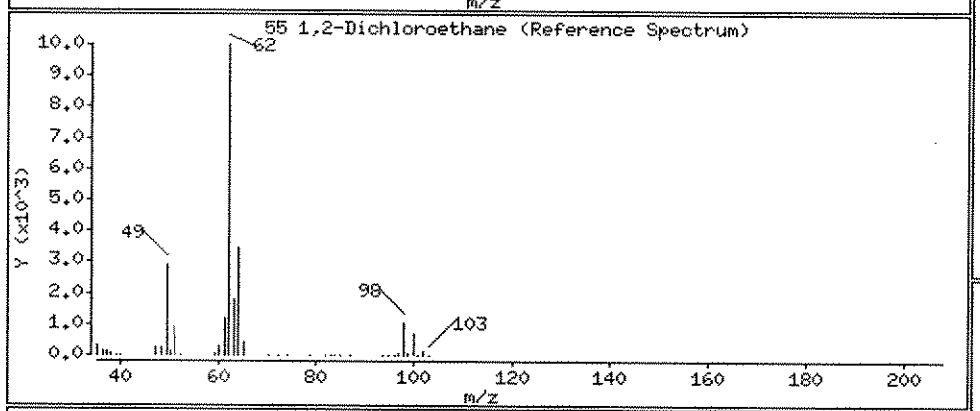
Purge Volume: 5.0 Operator: CLB

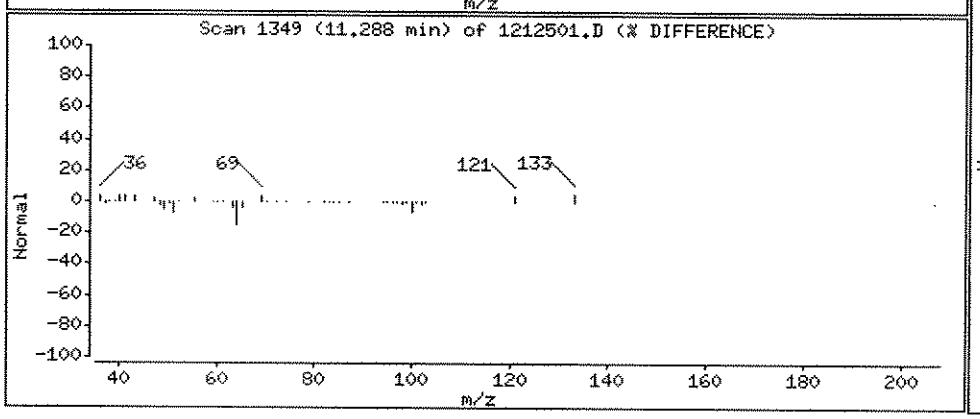
Column phase: RTX-VRX Column diameter: 0.25

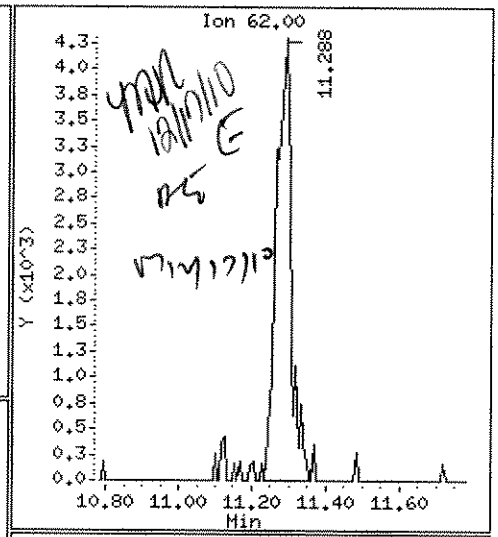
55 1,2-Dichloroethane Concentration: 0.9406 ug/L

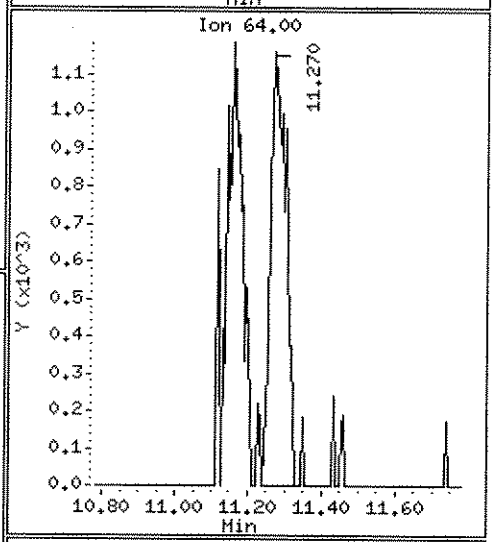


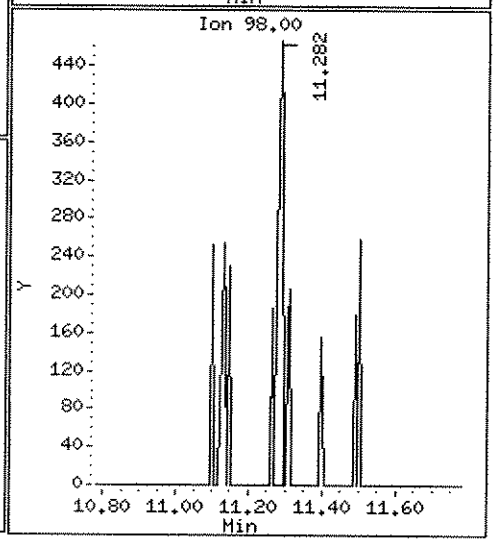












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

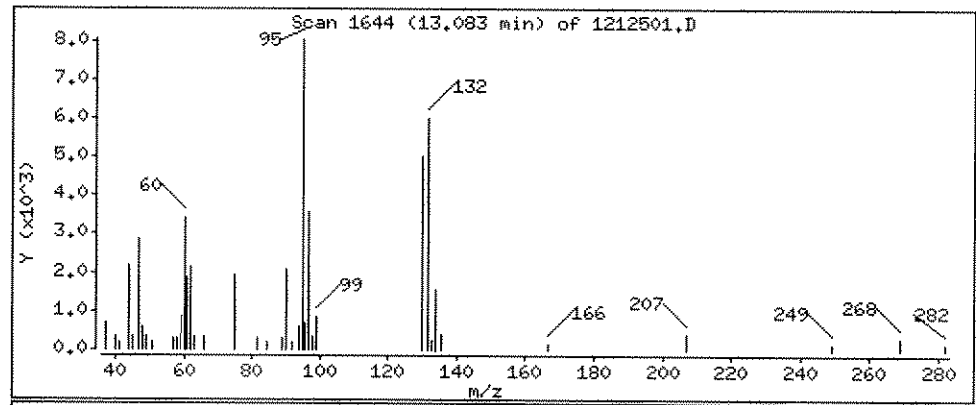
Client ID: JAX-MW-780-1-GW2010 Instrument: voa3.i

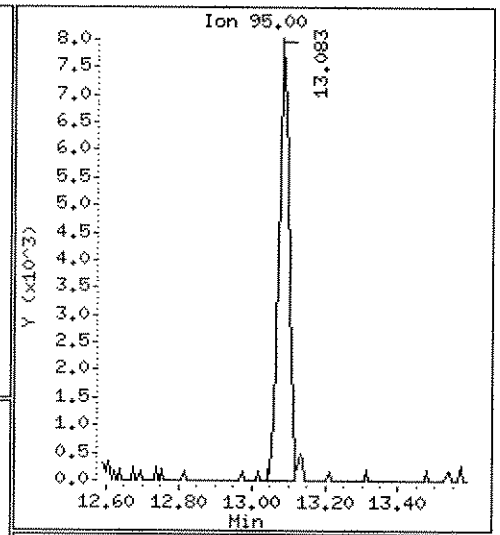
Sample Info: 1012125-01

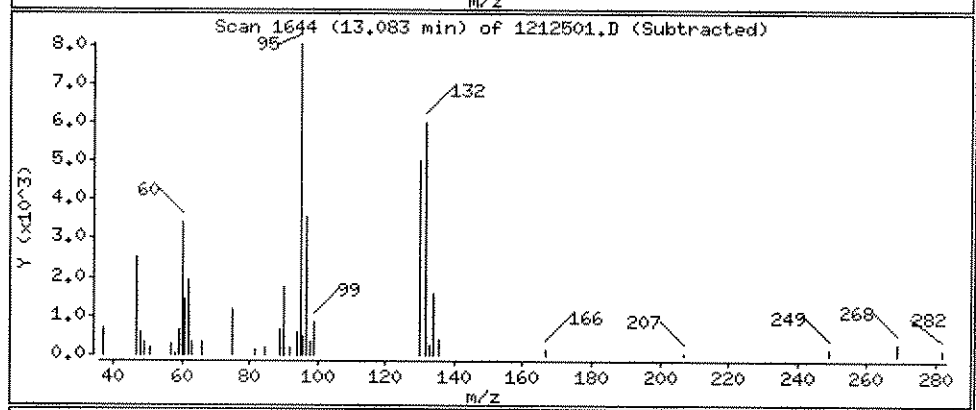
Purge Volume: 5.0 Operator: CLB

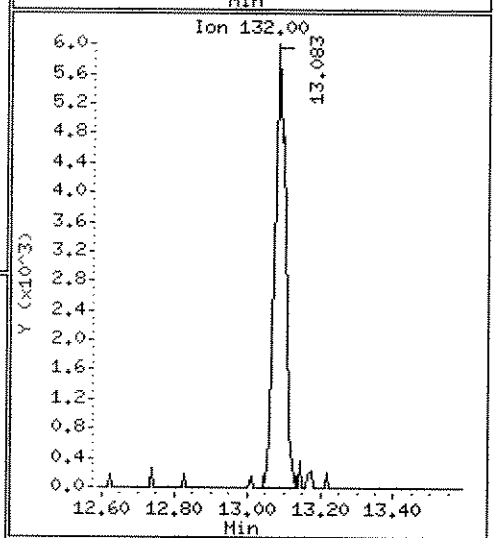
Column phase: RTX-VRX Column diameter: 0.25

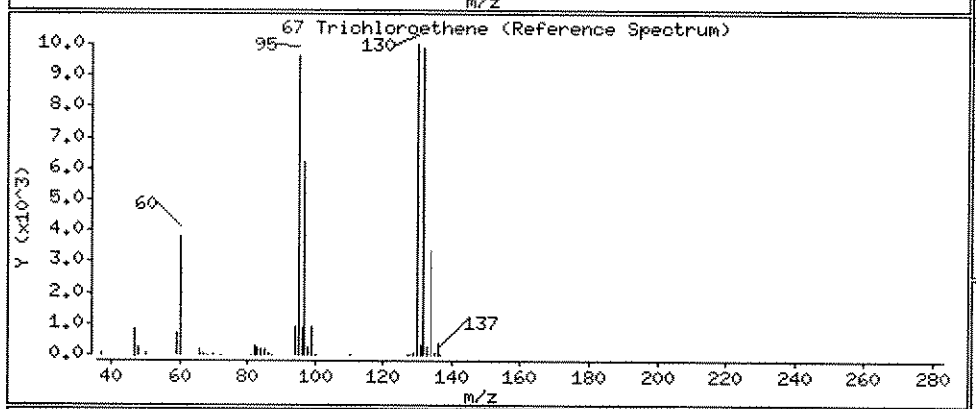
67 Trichloroethene Concentration: 1.630 ug/L

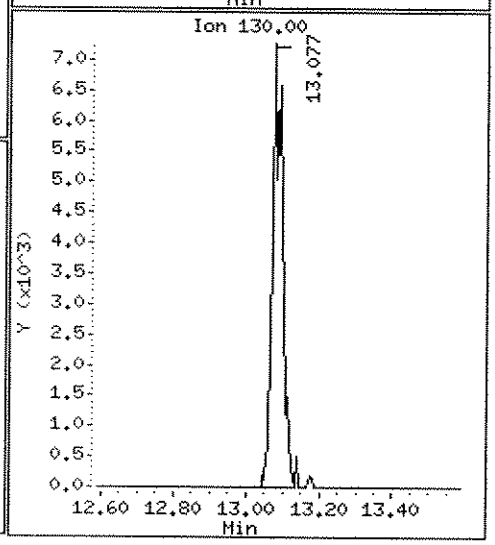


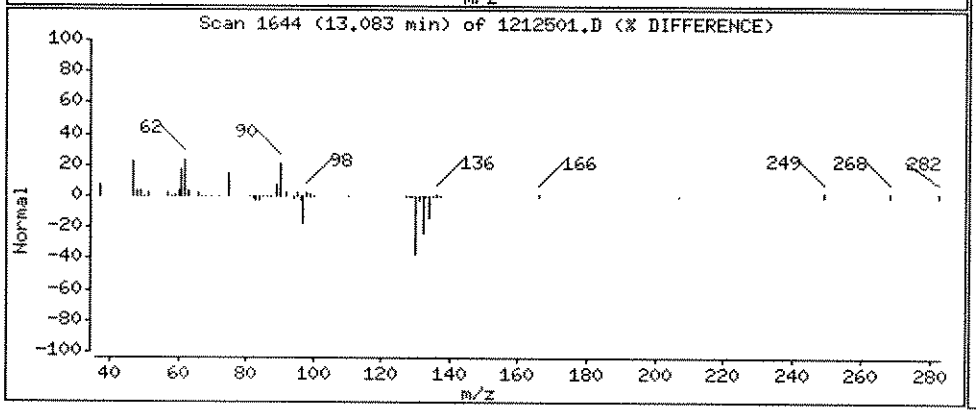












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

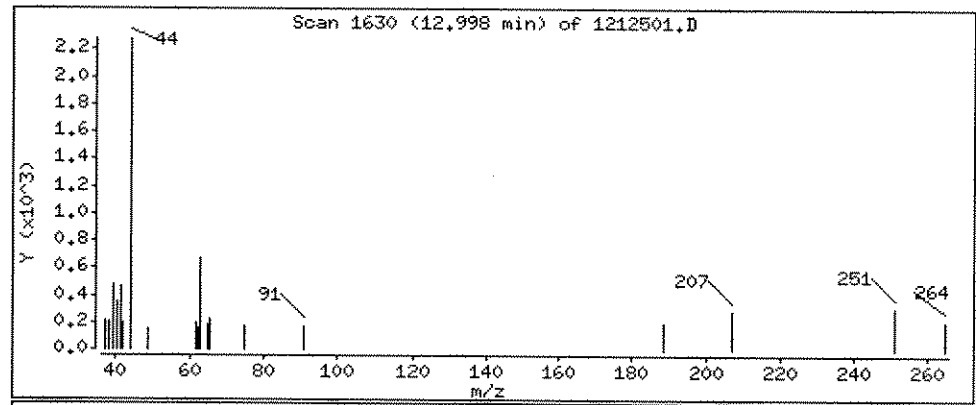
Client ID: JAX-MW-780-1-GW2010 Instrument: voa3.i

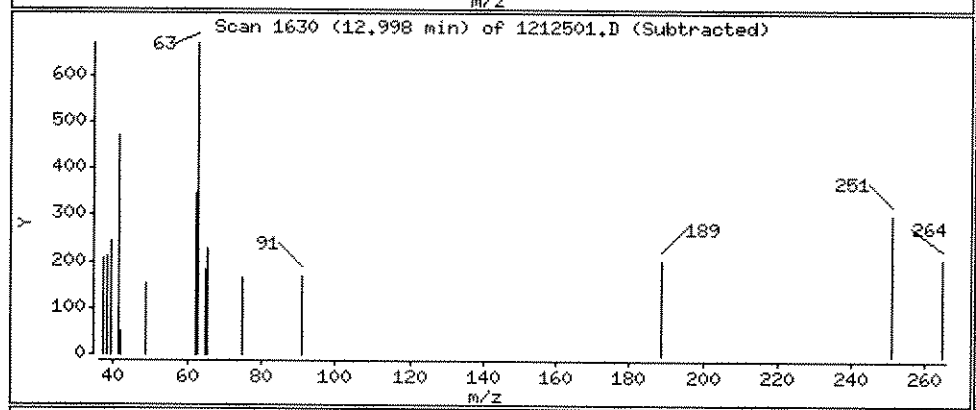
Sample Info: 1012125-01

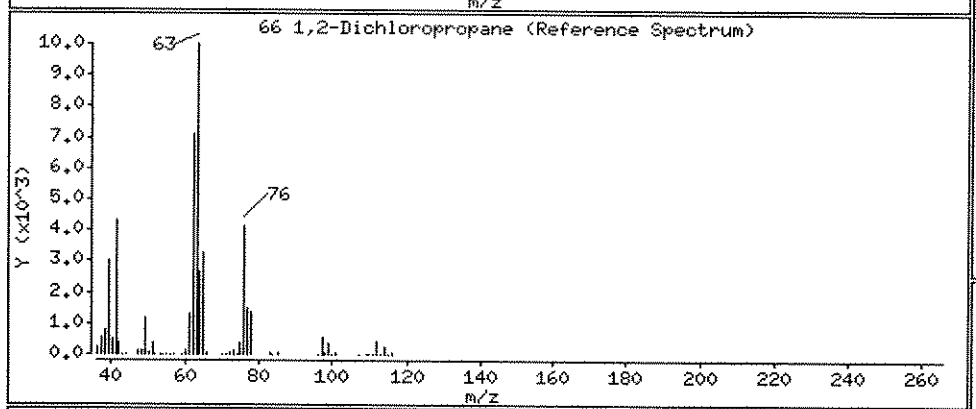
Purge Volume: 5.0 Operator: CLB

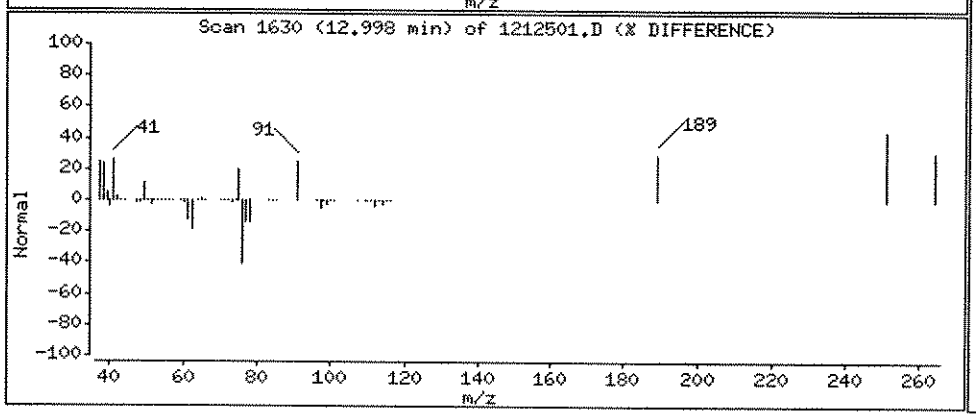
Column phase: RTX-VRX Column diameter: 0.25

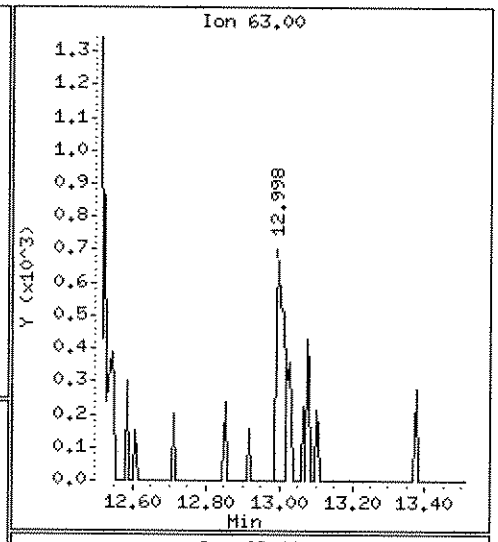
66 1,2-Dichloropropane Concentration: 0.1078 ug/L

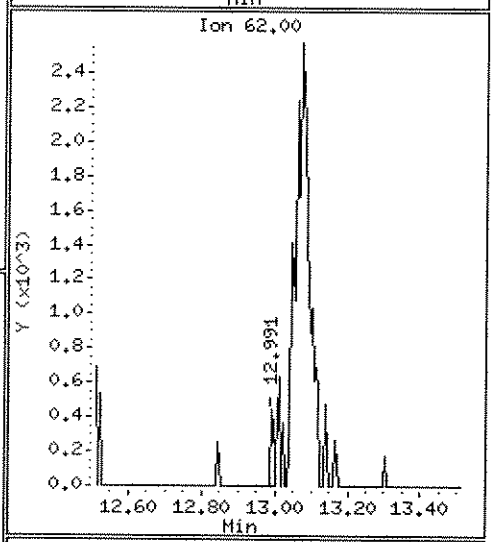


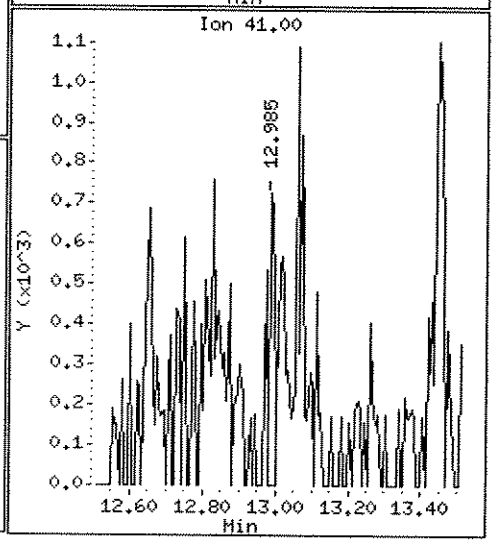












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

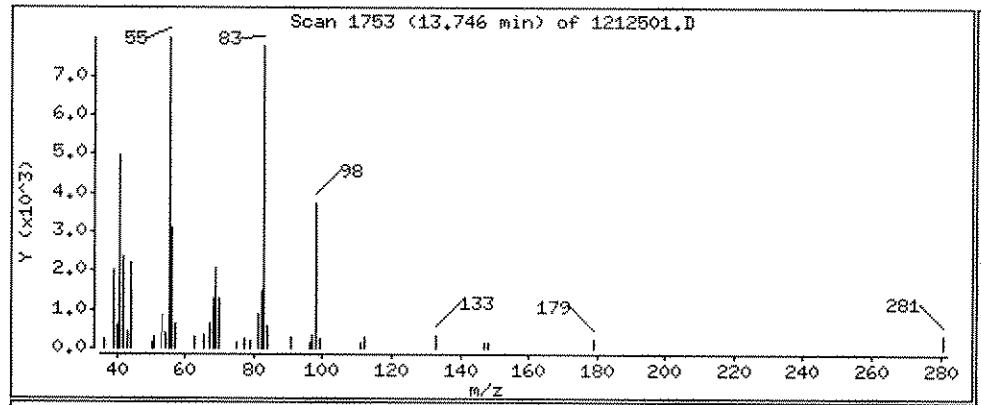
Client ID: JAX-MW-780-1-GW2010 Instrument: voa3.i

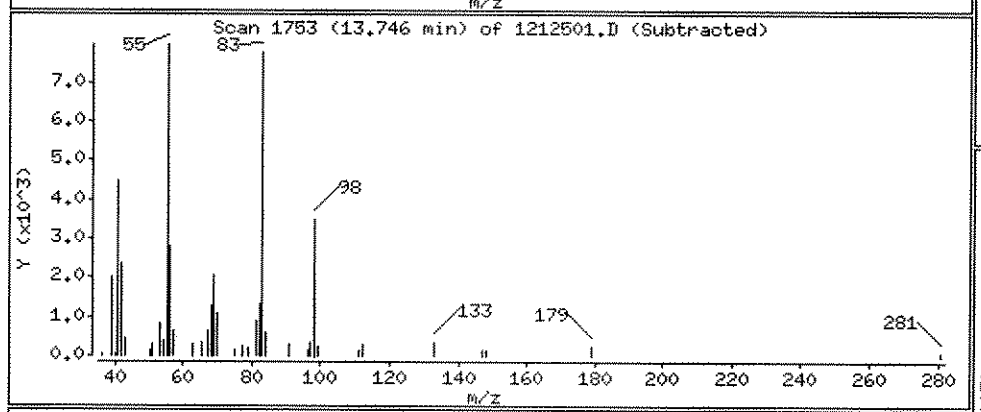
Sample Info: 1012125-01

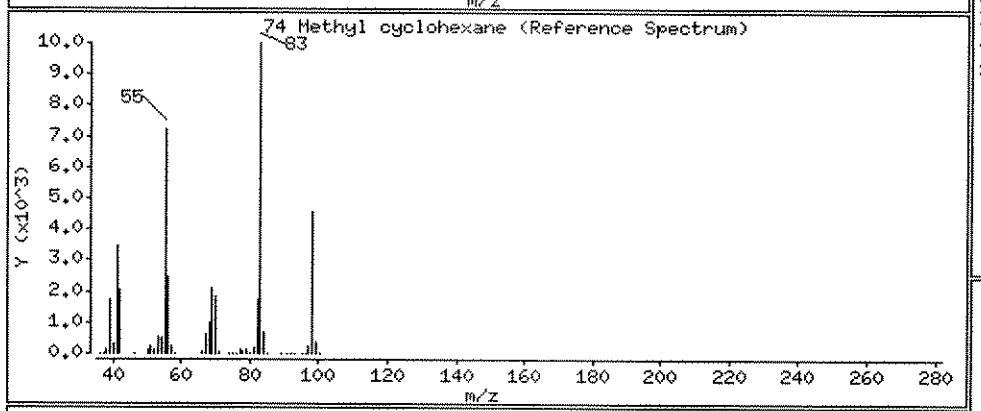
Purge Volume: 5.0 Operator: CLB

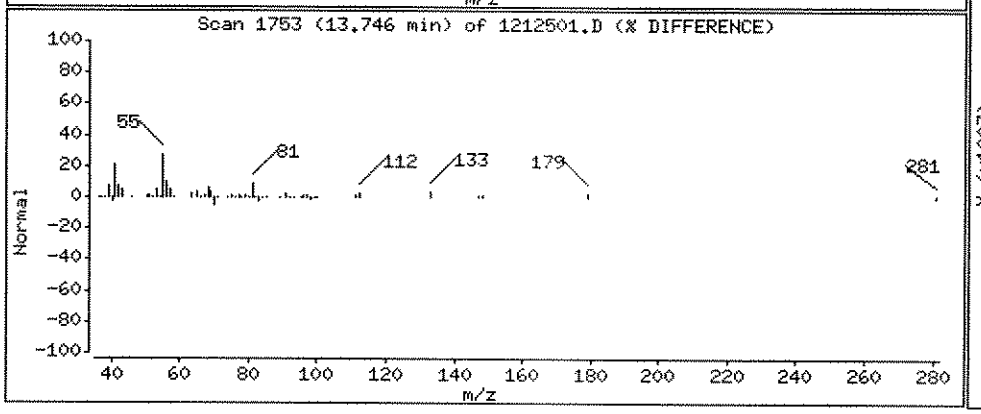
Column phase: RTX-VRX Column diameter: 0.25

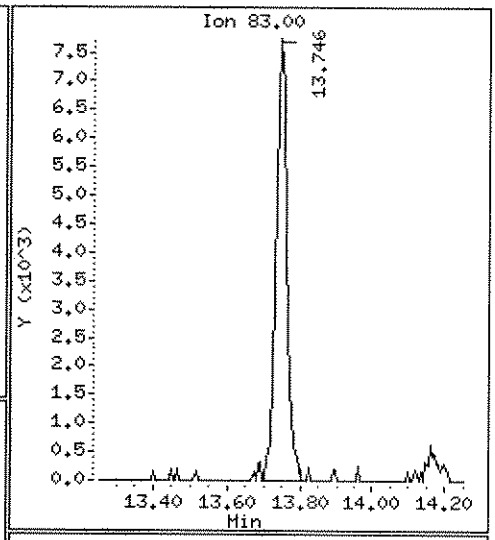
74 Methyl cyclohexane Concentration: 1.514 ug/L

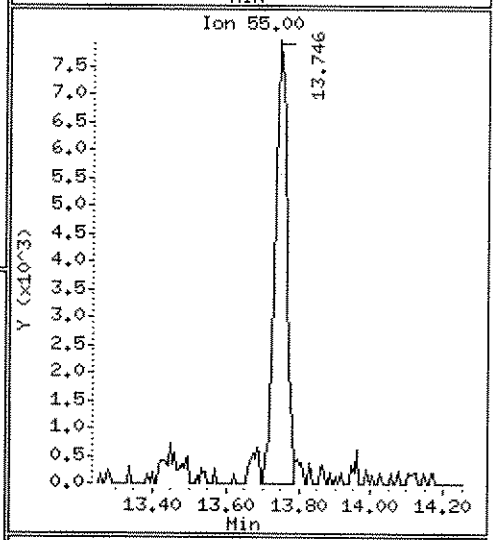


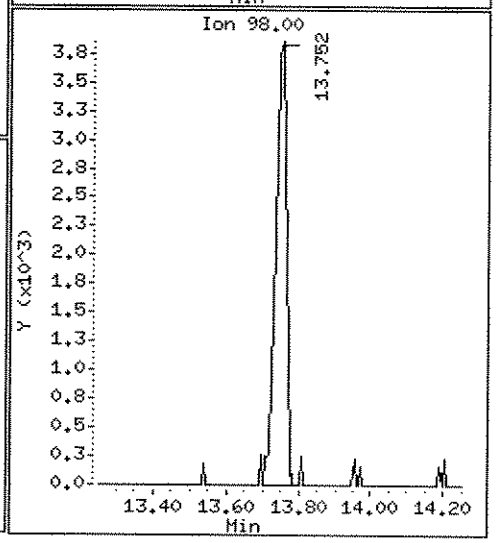












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

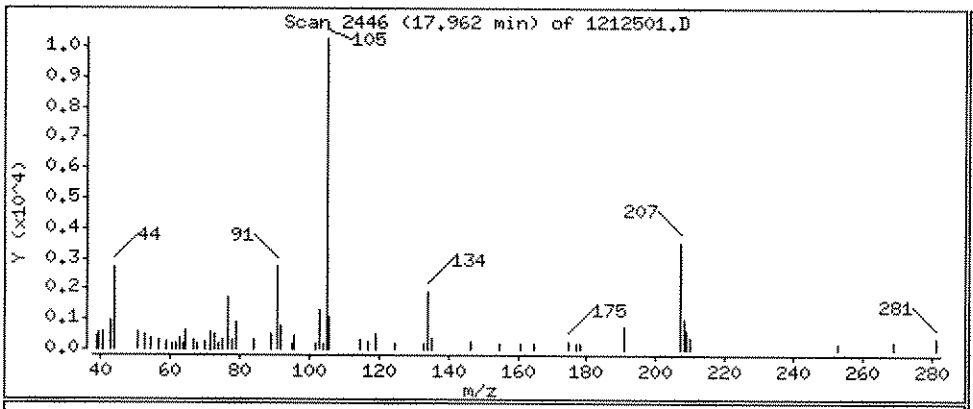
Client ID: JAX-MW-780-1-GW2010 Instrument: voa3.i

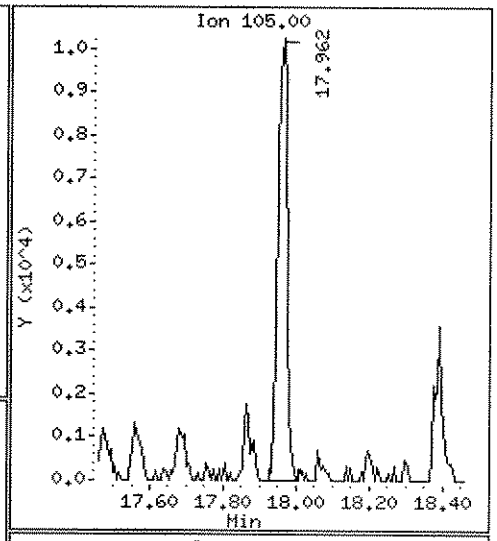
Sample Info: 1012125-01

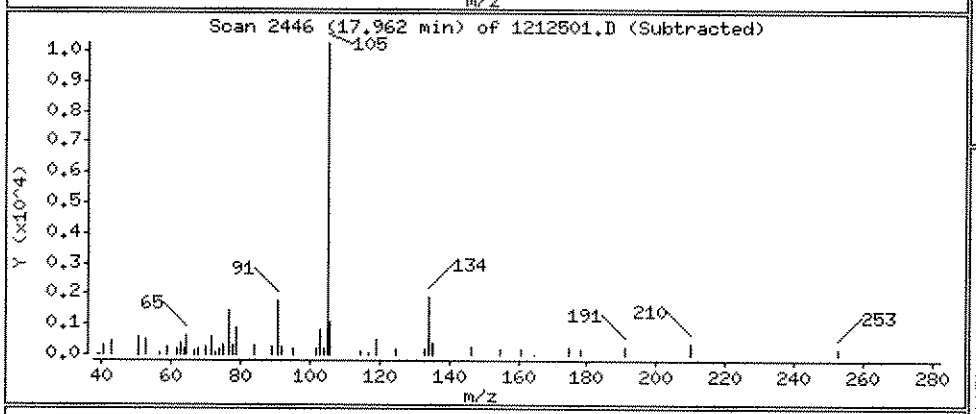
Purge Volume: 5.0 Operator: CLB

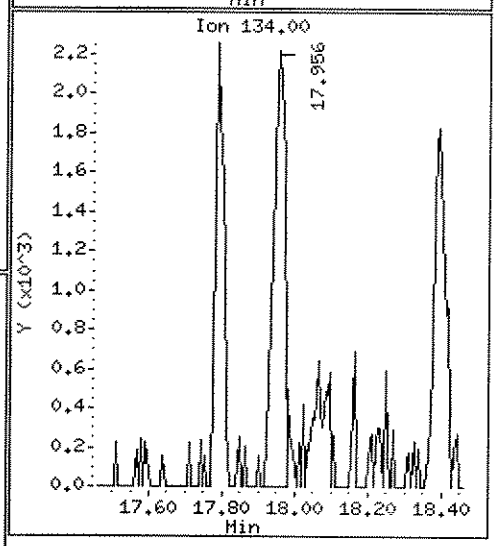
Column phase: RTX-VRX Column diameter: 0.25

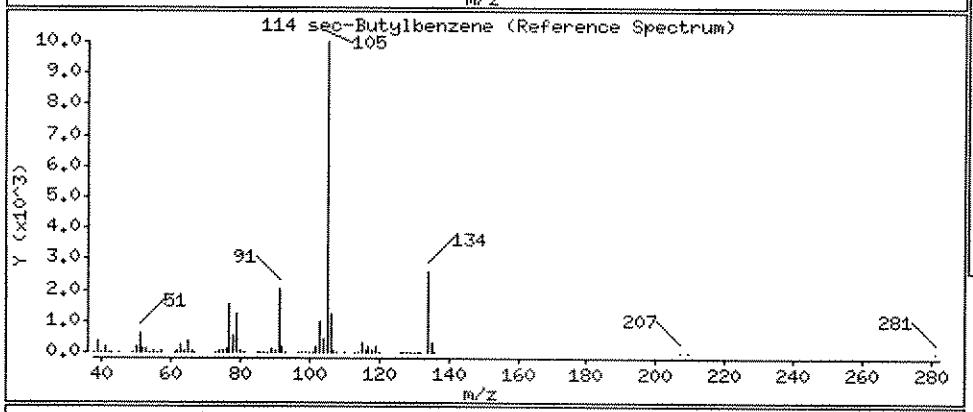
114 sec-Butylbenzene Concentration: 0.4083 ug/L

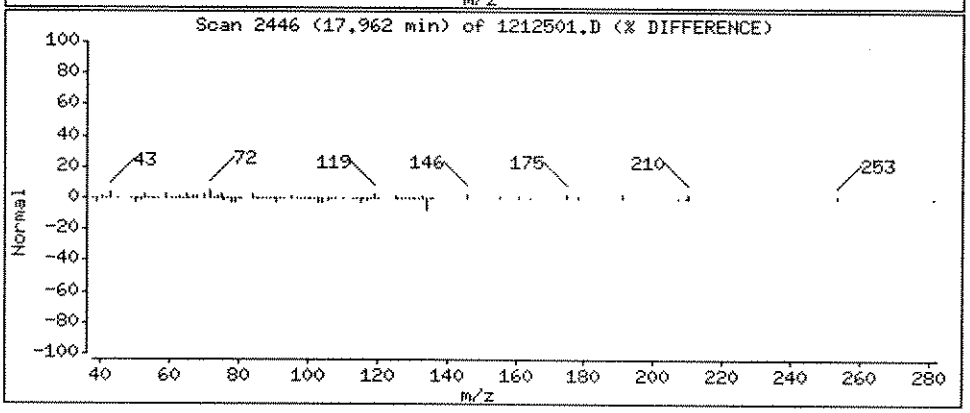












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

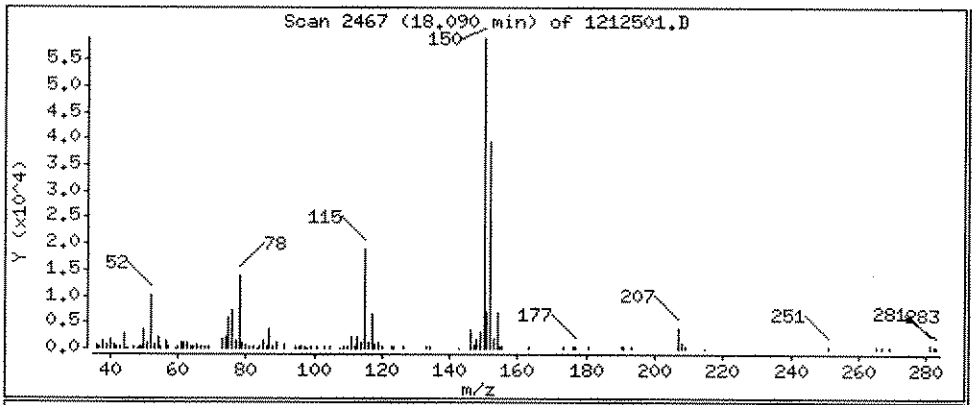
Client ID: JAX-MW-780-1-GW2010 Instrument: voa3.i

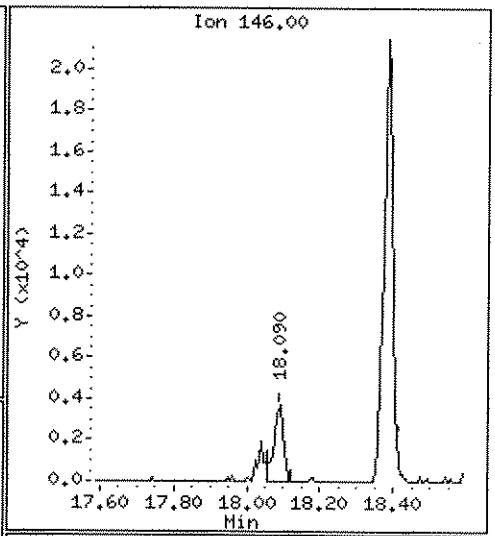
Sample Info: 1012125-01

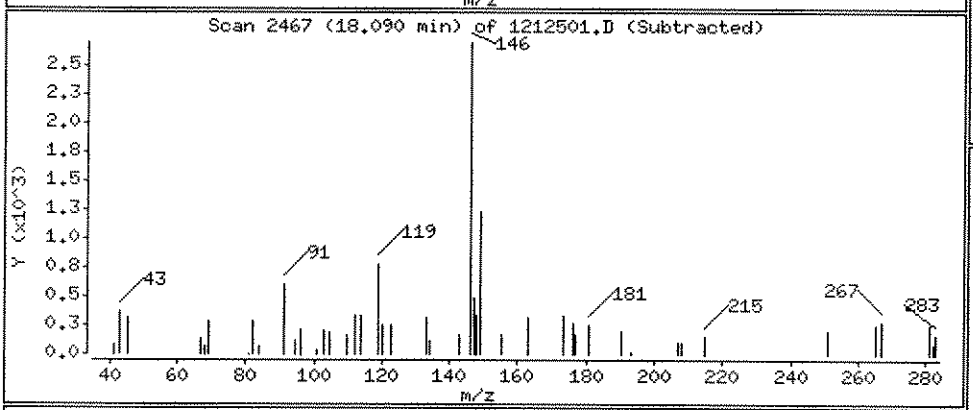
Purge Volume: 5.0 Operator: CLB

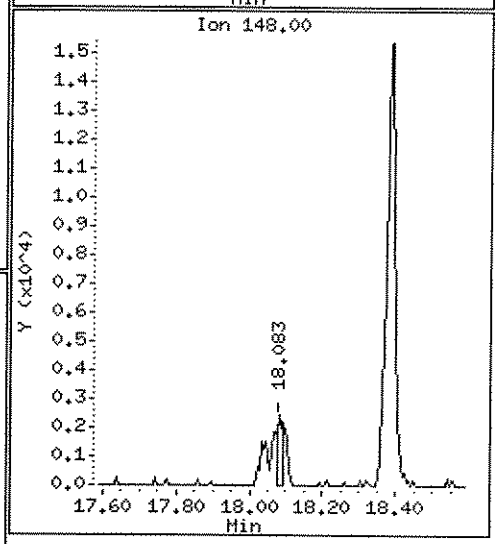
Column phase: RTX-VRX Column diameter: 0.25

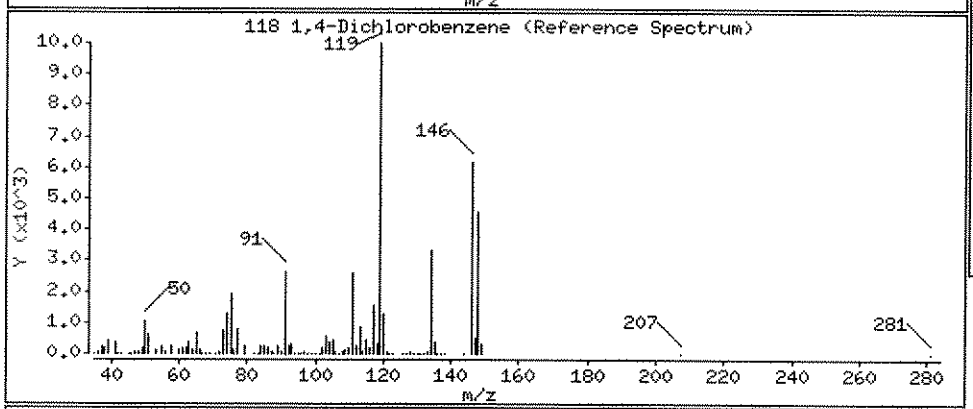
118 1,4-Dichlorobenzene Concentration: 0.2884 ug/L

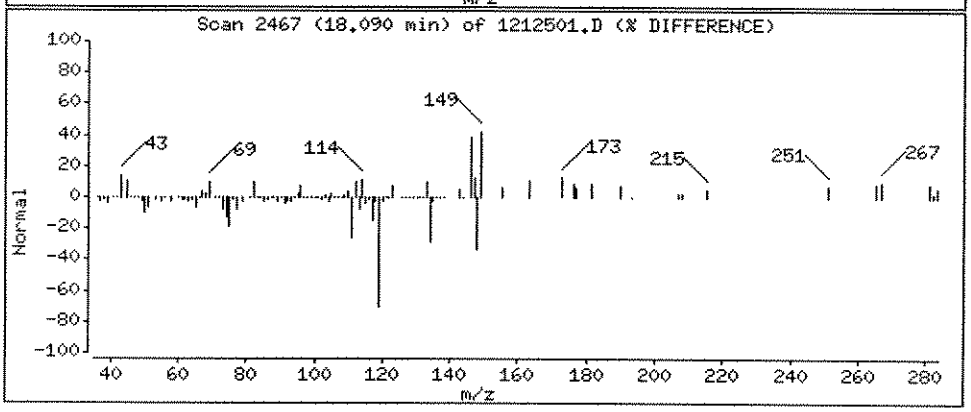












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

Client ID: JAX-MW-780-1-GW2010

Instrument: voa3.i

Sample Info: 1012125-01

Purge Volume: 5.0

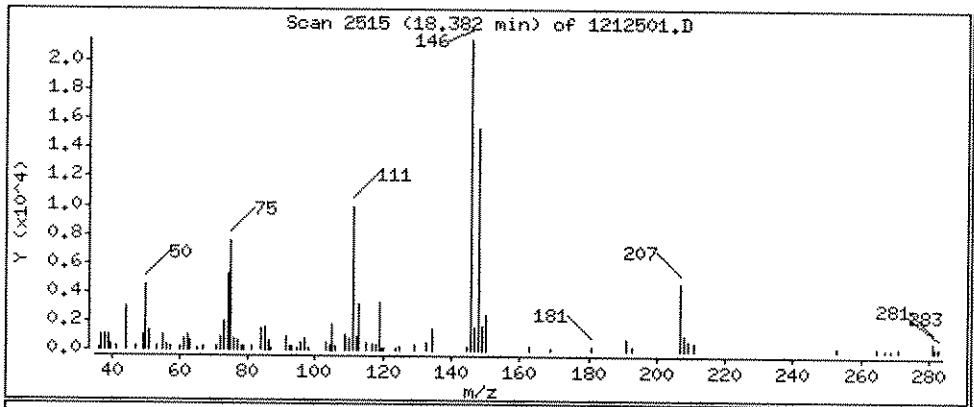
Operator: CLB

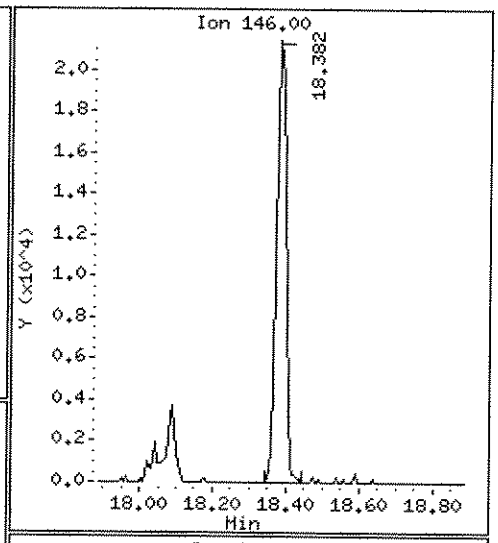
Column phase: RTX-VRX

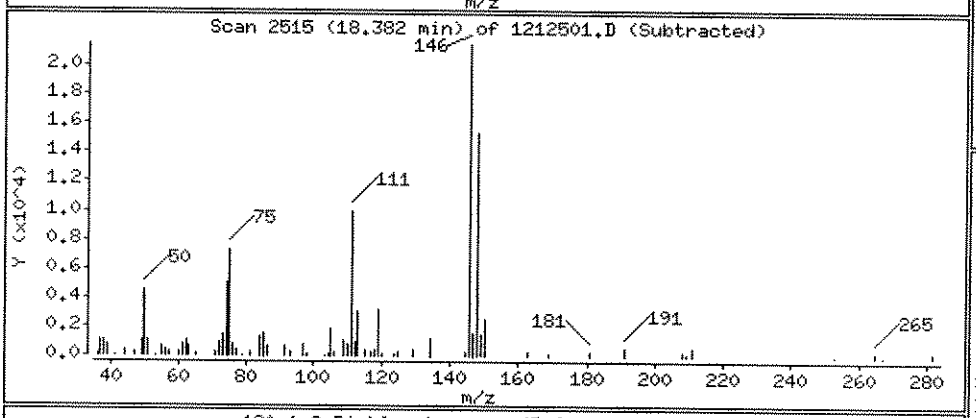
Column diameter: 0.25

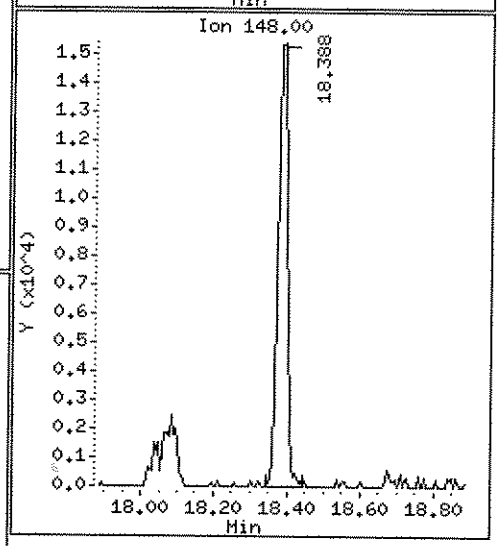
120 1,2-Dichlorobenzene

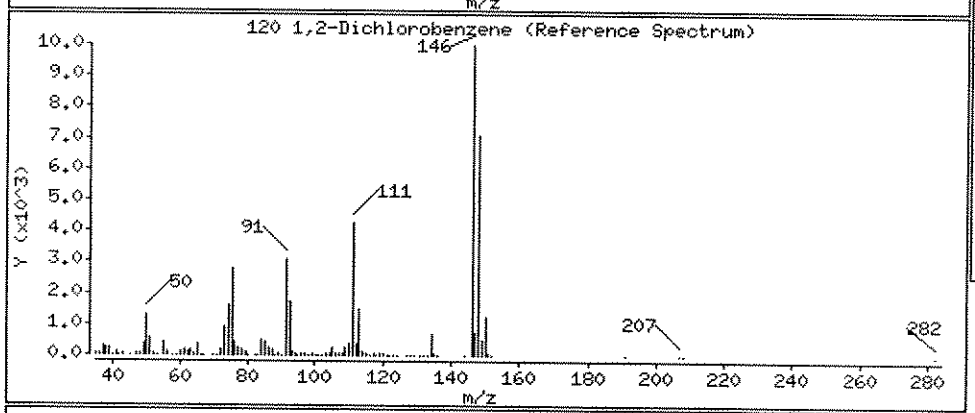
Concentration: 1.749 ug/L

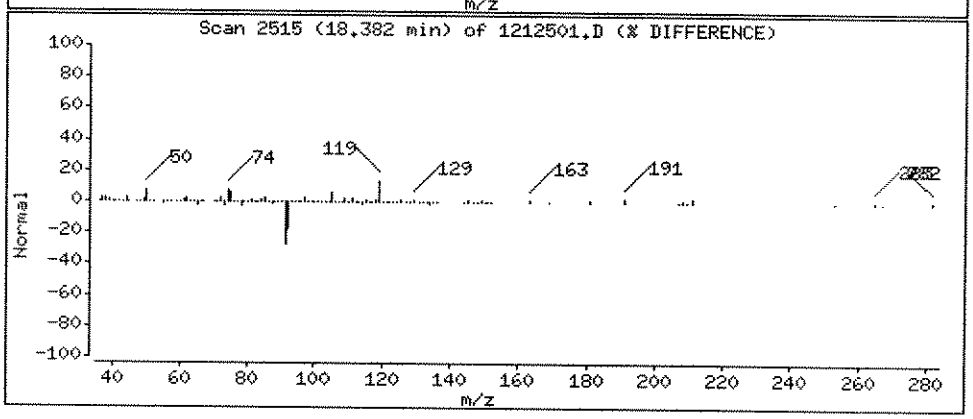












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212501.D

Date : 17-DEC-2010 05:43

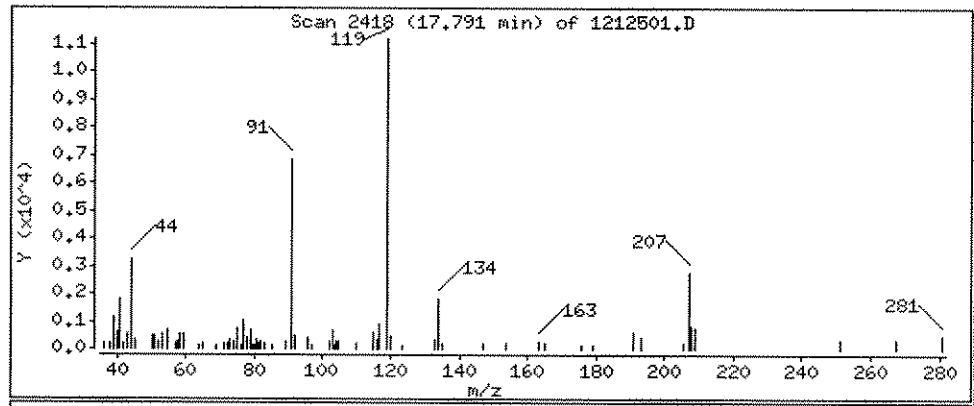
Client ID: JAX-MW-780-1-GW2010 Instrument: voa3.i

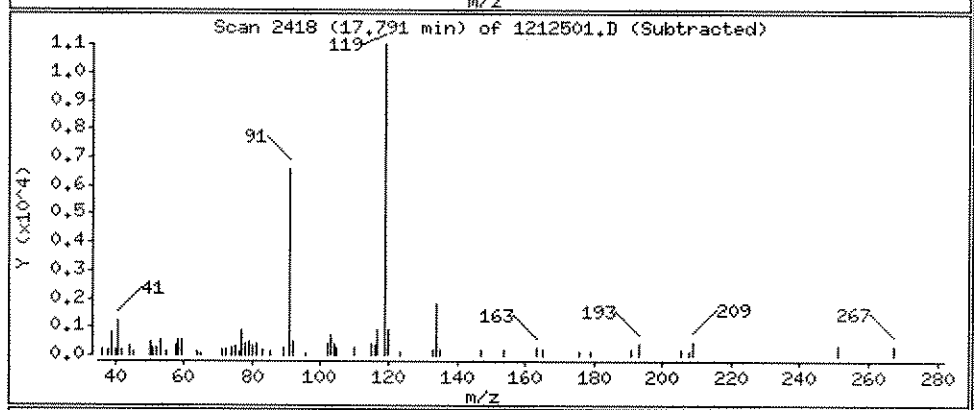
Sample Info: 1012125-01

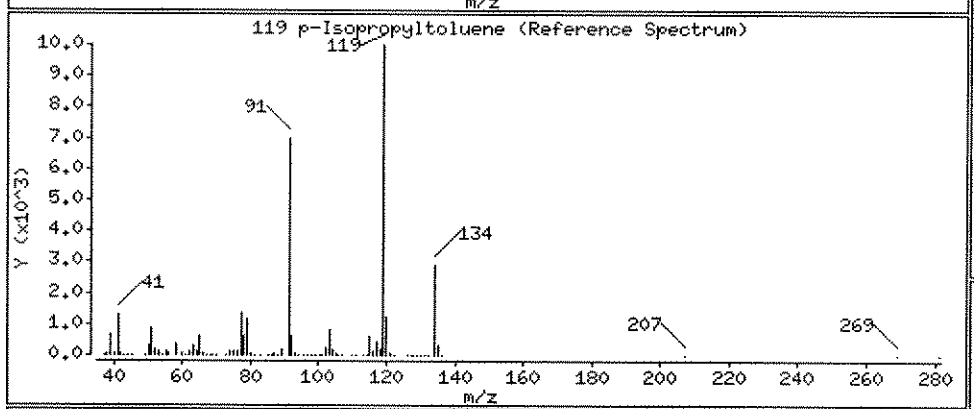
Purge Volume: 5.0 Operator: CLB

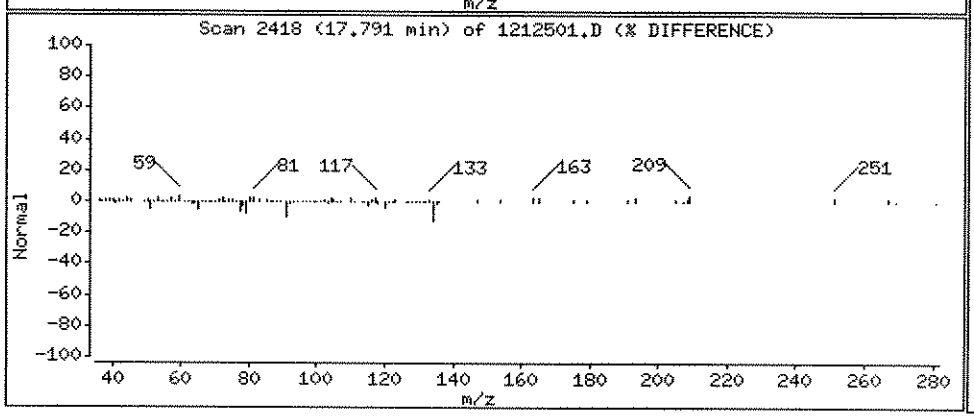
Column phase: RTX-VRX Column diameter: 0.25

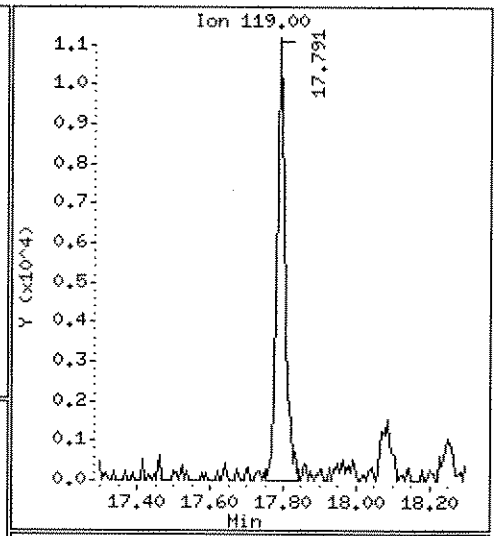
119 p-Isopropyltoluene Concentration: 0.5466 ug/L

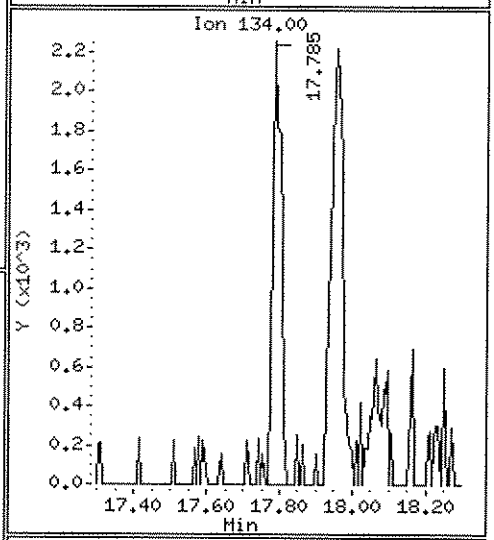


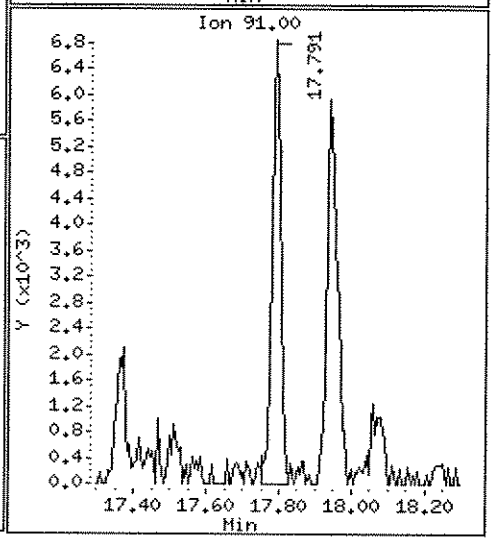












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212502.D
Report Date: 17-Dec-2010 08:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212502.D
Lab Smp Id: 1012125-02 Client Smp ID: JAX-EW-780-2-GW2010
Inj Date : 17-DEC-2010 06:13 MS Autotune Date: 13-DEC-2010 15:35
Operator : CLB Inst ID: voa3.i
Smp Info : 1012125-02
Misc Info : ;0;;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\VWATER3.m
Meth Date : 17-Dec-2010 08:22 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 30
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

ymn 12/17/10

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

12/17/10

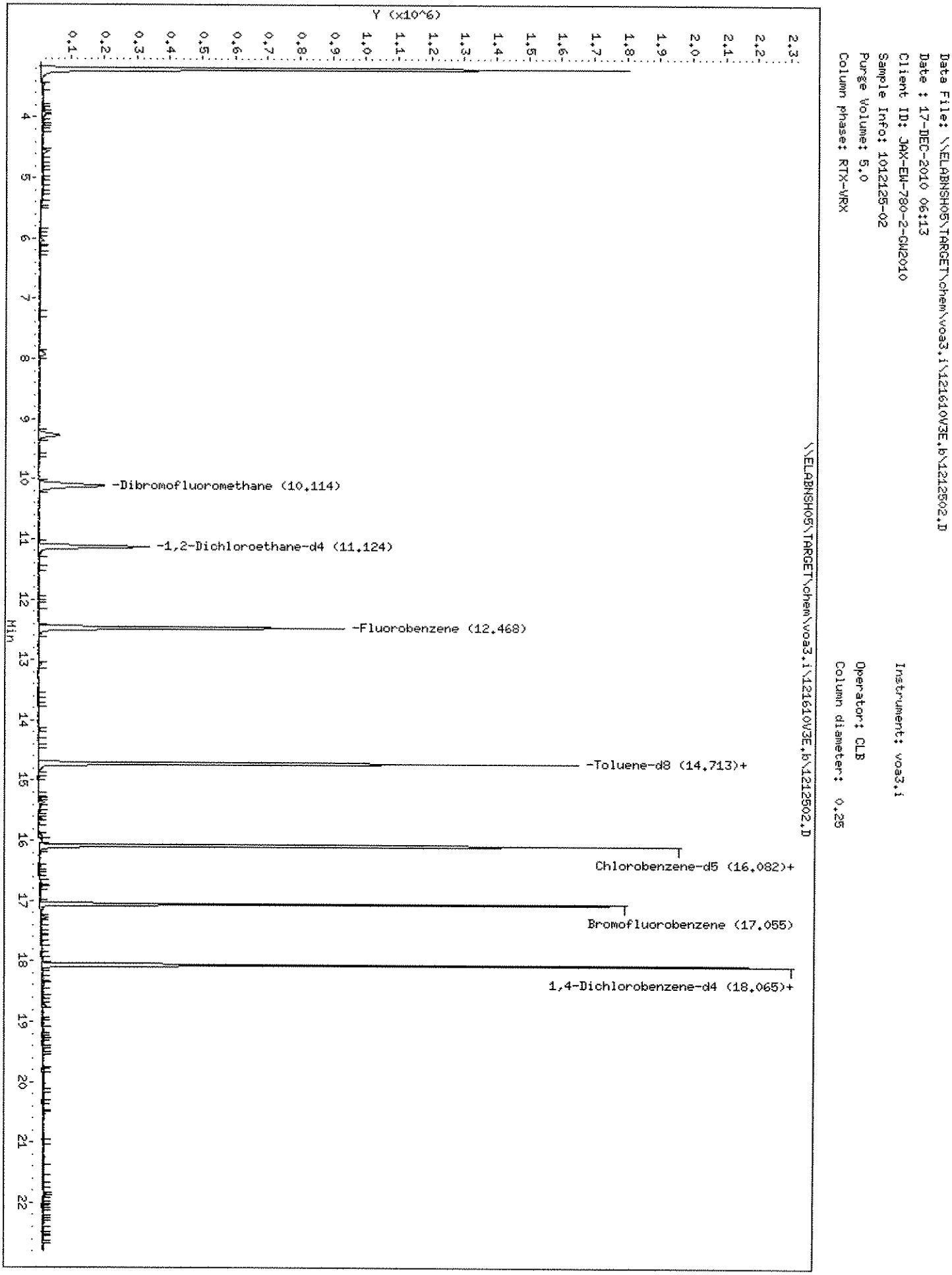
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	12.468	12.480	(1.000)	1028121	30.0000	
4 Vinyl chloride	62	3.939	3.939	(0.316)	25838	3.94752	3.948
8 Chloroethane	64	4.559	4.565	(0.366)	19358	4.78290	4.783
22 1,1-Dichloroethene	96	6.031	6.037	(0.484)	5331	0.84136	0.8414(a)
14 Acetone	43	5.393	5.393	(0.433)	7798	3.18629	3.186(a)
32 trans-1,2-Dichloroethene	96	7.400	7.412	(0.594)	1084	0.14756	0.1476(a)
34 1,1-Dichloroethane	63	7.917	7.917	(0.635)	32490	2.38780	2.388
46 cis-1,2-Dichloroethene	96	9.280	9.280	(0.744)	57810	7.26484	7.265
M 30 1,2-Dichloroethene(total)	96				58894	7.41239	7.412
$ 51 Dibromofluoromethane	111	10.120	10.120	(0.812)	294761	33.0265	33.03
$ 54 1,2-Dichloroethane-d4	102	11.136	11.135	(0.893)	57310	30.2797	30.28(Q)
$ 81 Toluene-d8	98	14.713	14.719	(0.915)	1144599	27.7574	27.76
83 Toluene	92	14.792	14.792	(0.920)	2559	0.10744	0.1074(aQ)
* 92 Chlorobenzene-d5	82	16.082	16.088	(1.000)	603858	30.0000	
93 Chlorobenzene	112	16.112	16.112	(1.002)	31676	1.16889	1.169
$ 104 Bromofluorobenzene	95	17.055	17.061	(1.061)	613892	31.1272	31.13

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212502.D
Report Date: 17-Dec-2010 08:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 117 1,4-Dichlorobenzene-d4	152	18.065	18.071	(1.000)	643251	30.0000	
118 1,4-Dichlorobenzene	146	18.089	18.089	(1.001)	8527	0.37855	0.3785(a)
120 1,2-Dichlorobenzene	146	18.387	18.387	(1.018)	2402	0.11225	0.1122(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.


Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121610V3E.b\1212502.D
Date : 17-DEC-2010 06:13
Client ID: JAX-EW-780-2-GW2010
Sample Info: 1012125-02
Purge Volume: 5.0
Column phase: RTX-VRX
Instrument: voa3.i
Operator: CLB
Column diameter: 0.25
\\ELABNSHO5\TARGET\chem\voa3.i\121610V3E.b\1212502.D
Y (x10^6)
Min
-Dibromofluoromethane (10.114)
-1,2-Dichloroethane-d4 (11.124)
-Fluorobenzene (12.468)
-Toluene-d8 (14.713)+
Chlorobenzene-d5 (16.082)+
Bromofluorobenzene (17.055)
1,4-Dichlorobenzene-d4 (18.065)+

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212502.D

Date : 17-DEC-2010 06:13

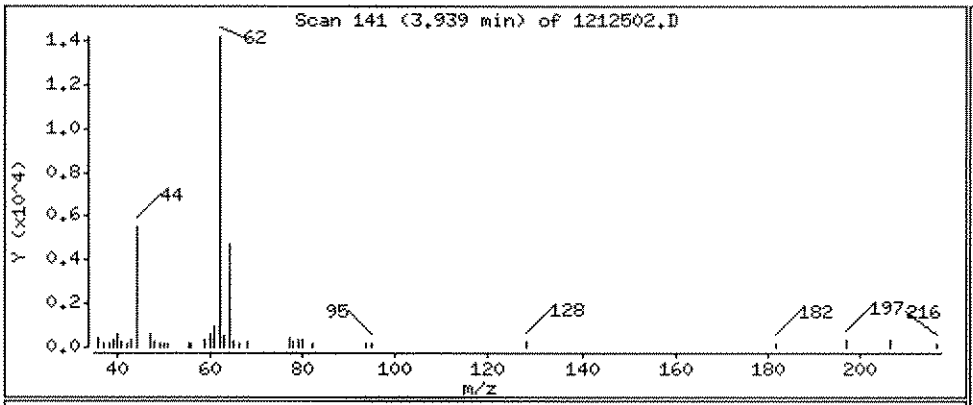
Client ID: JAX-EW-780-2-GW2010 Instrument: voa3.i

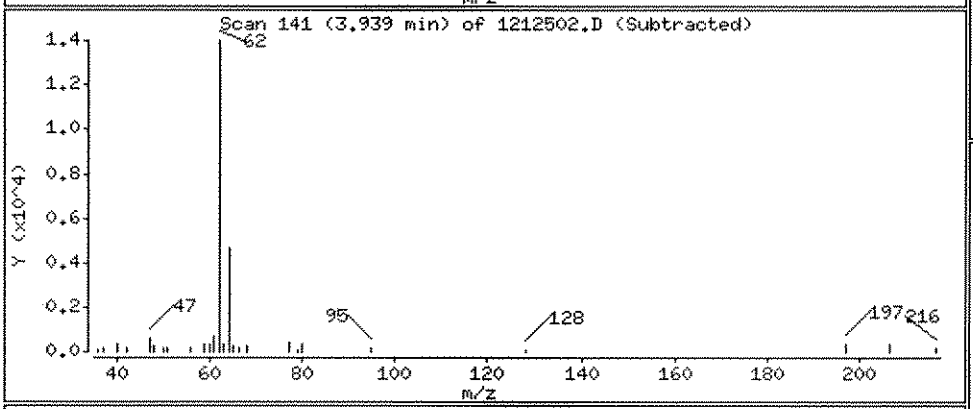
Sample Info: 1012125-02

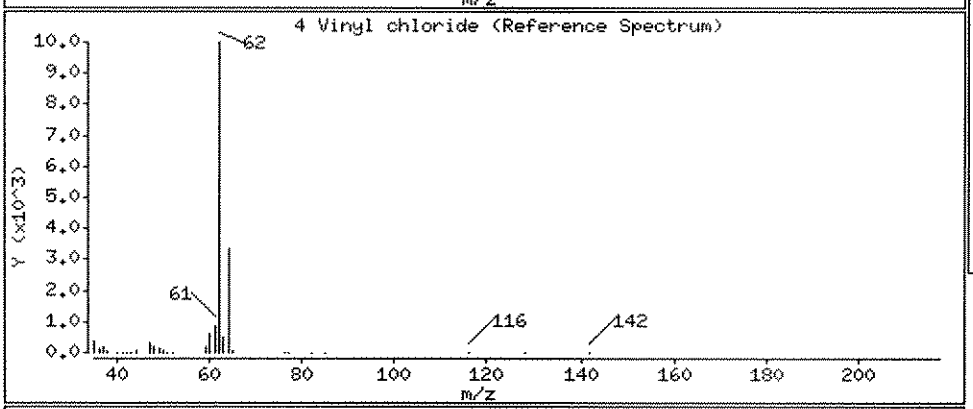
Purge Volume: 5.0 Operator: CLB

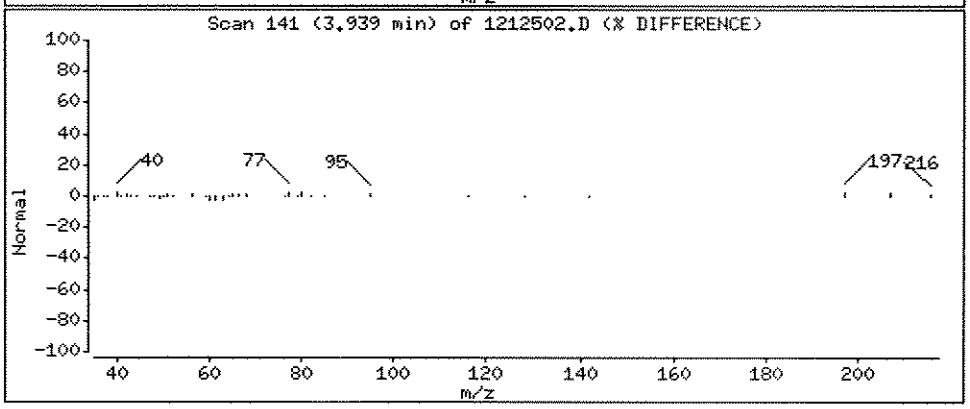
Column phase: RTX-VRX Column diameter: 0.25

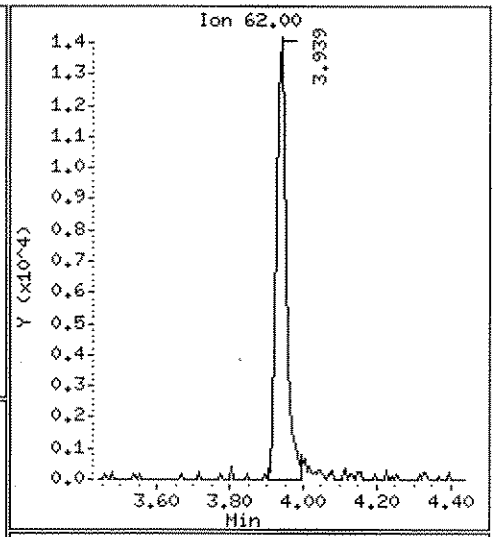
4 Vinyl chloride Concentration: 3.948 ug/L

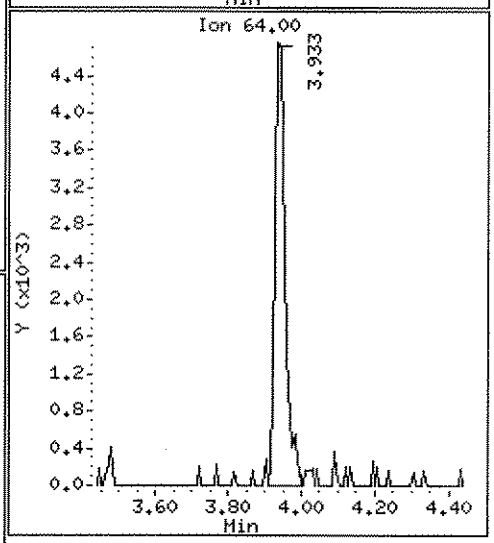












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212502.D

Date : 17-DEC-2010 06:13

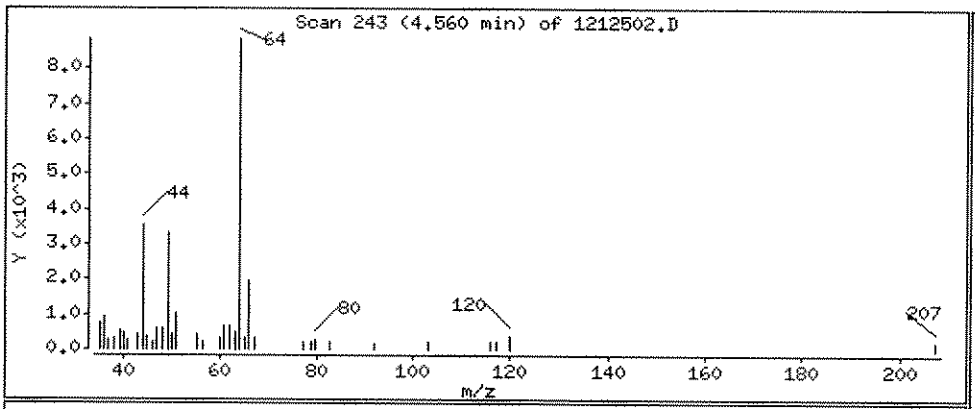
Client ID: JAX-EW-780-2-GW2010 Instrument: voa3.i

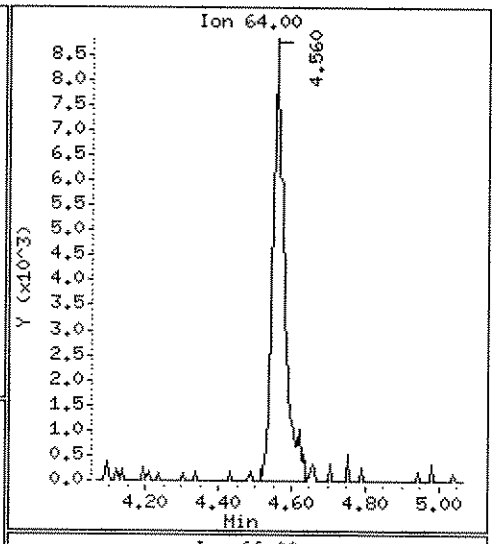
Sample Info: 1012125-02

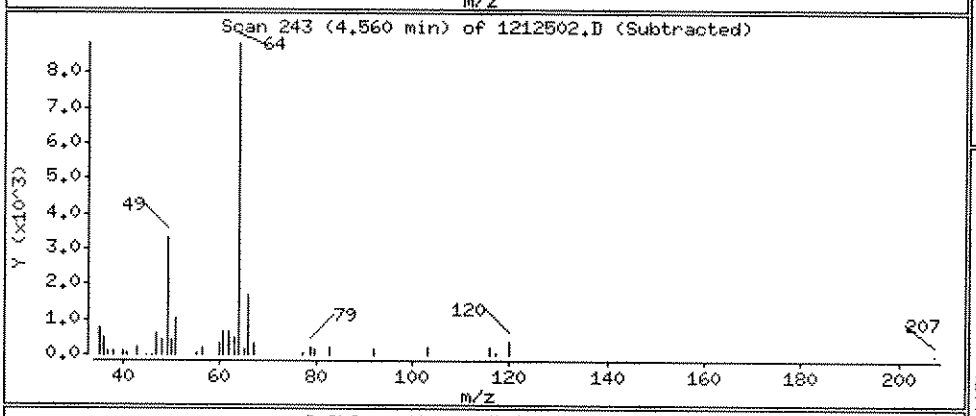
Purge Volume: 5.0 Operator: CLB

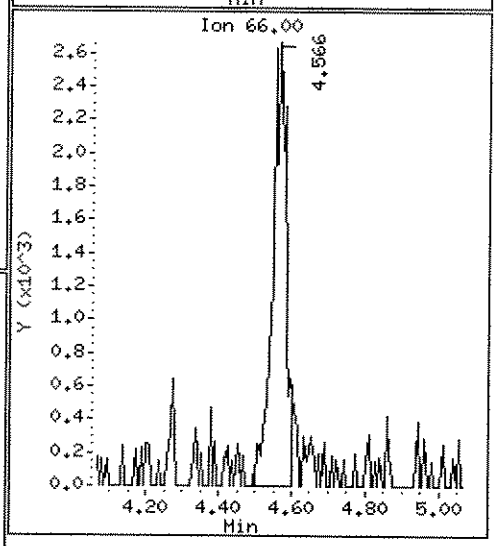
Column phase: RTX-VRX Column diameter: 0.25

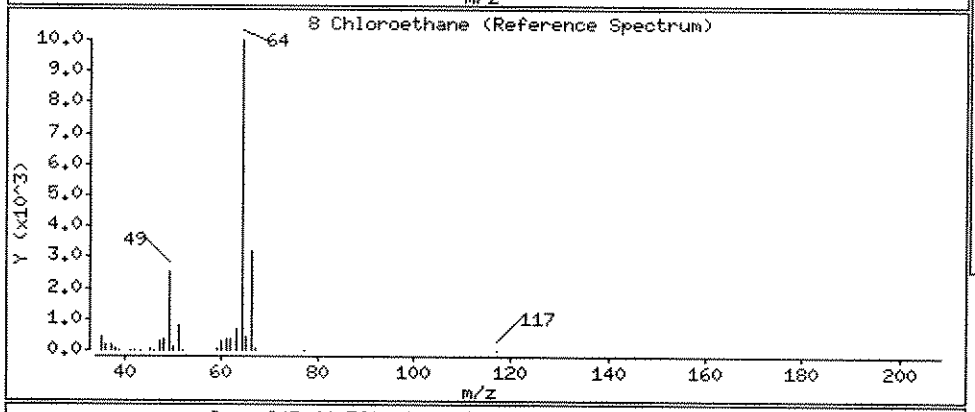
8 Chloroethane Concentration: 4.783 ug/L

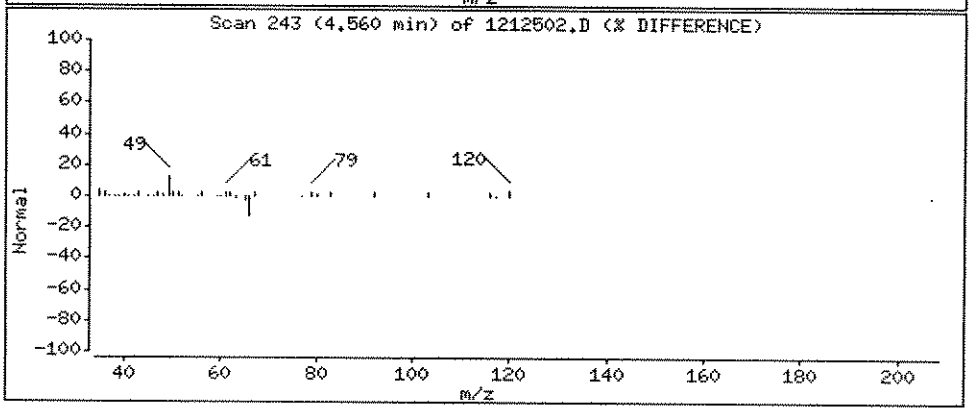












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212502.D

Date : 17-DEC-2010 06:13

Client ID: JAX-EW-780-2-GW2010

Instrument: voa3.i

Sample Info: 1012125-02

Purge Volume: 5.0

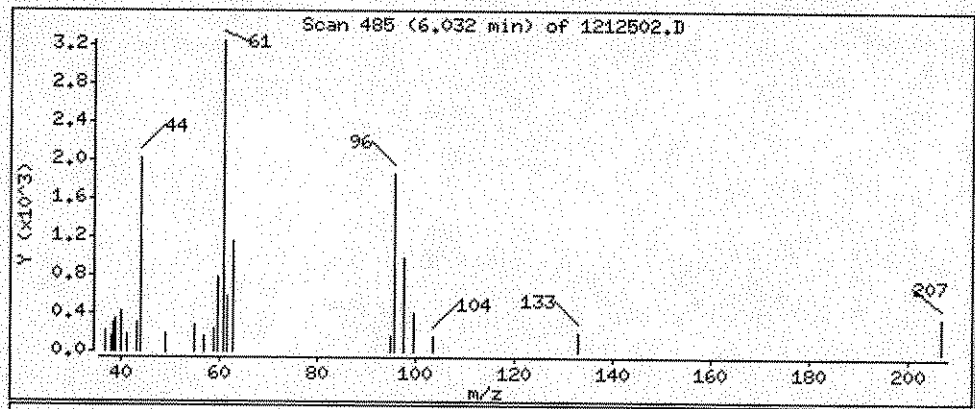
Operator: CLB

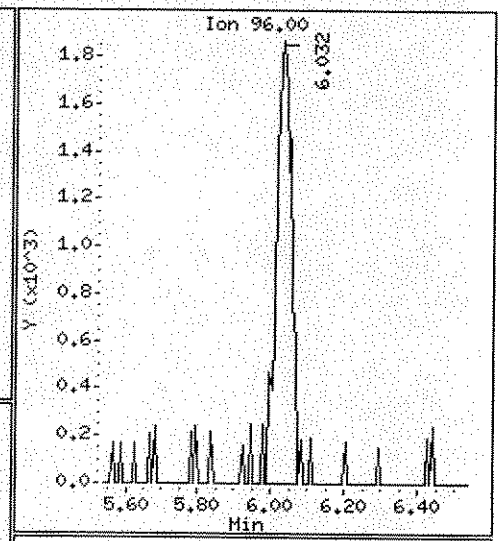
Column phase: RTX-VRX

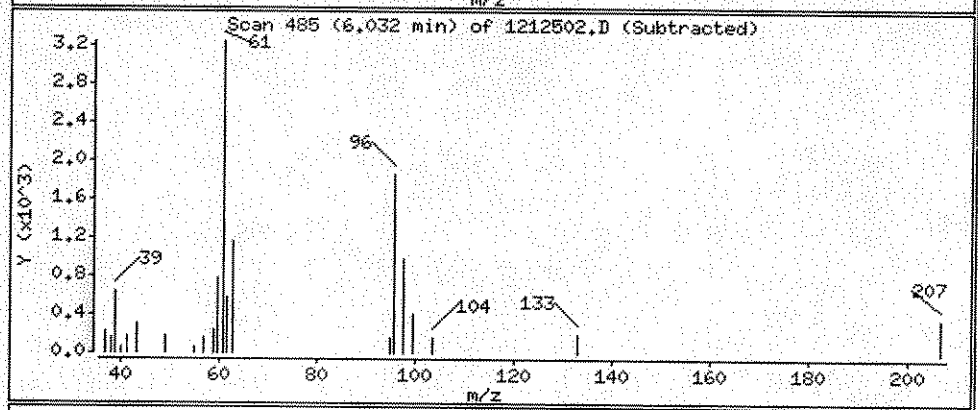
Column diameter: 0.25

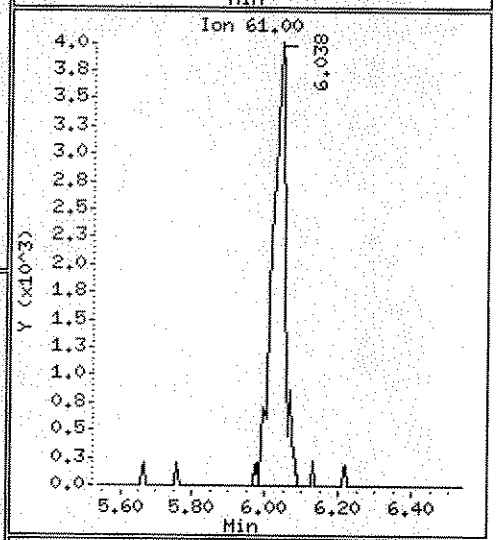
22 1,1-Dichloroethene

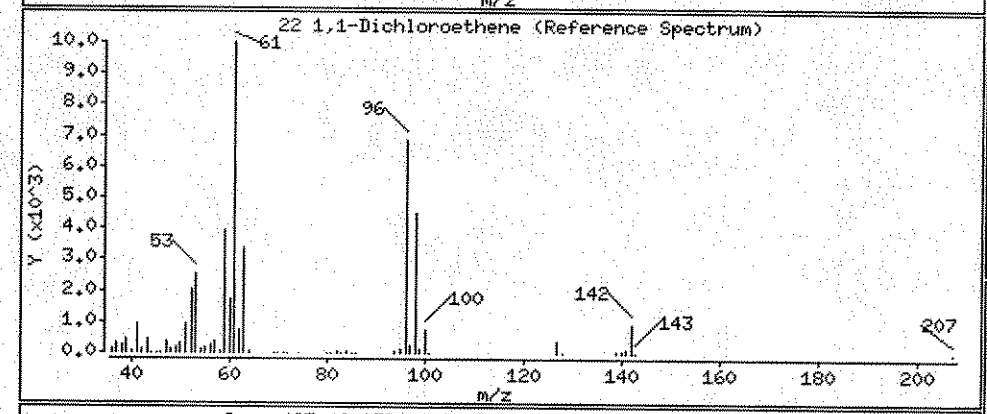
Concentration: 0.8414 ug/L

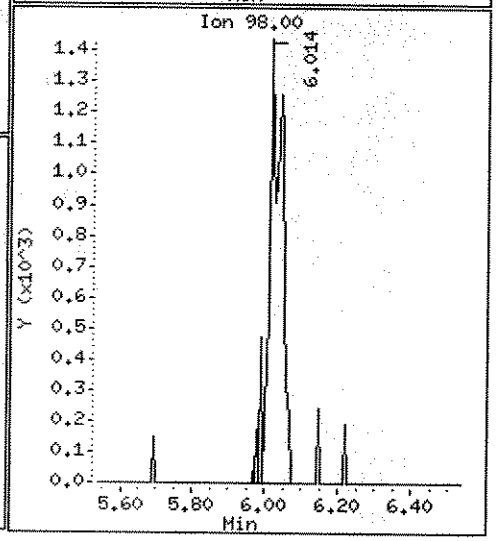


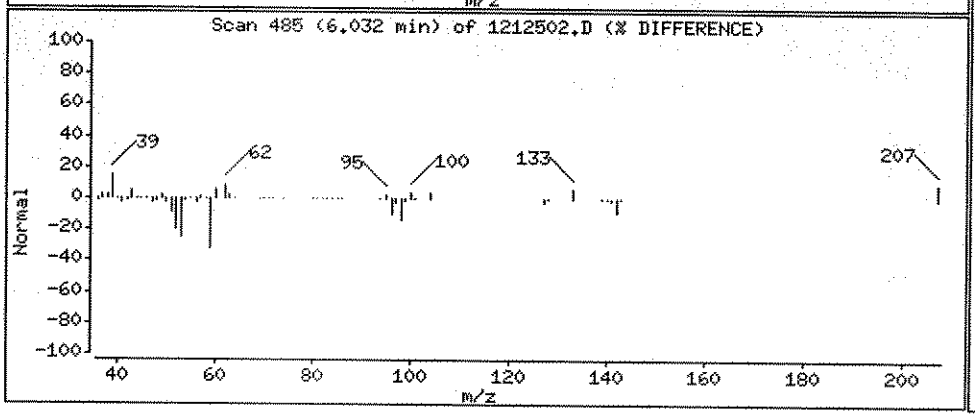












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212502.D

Date : 17-DEC-2010 06:13

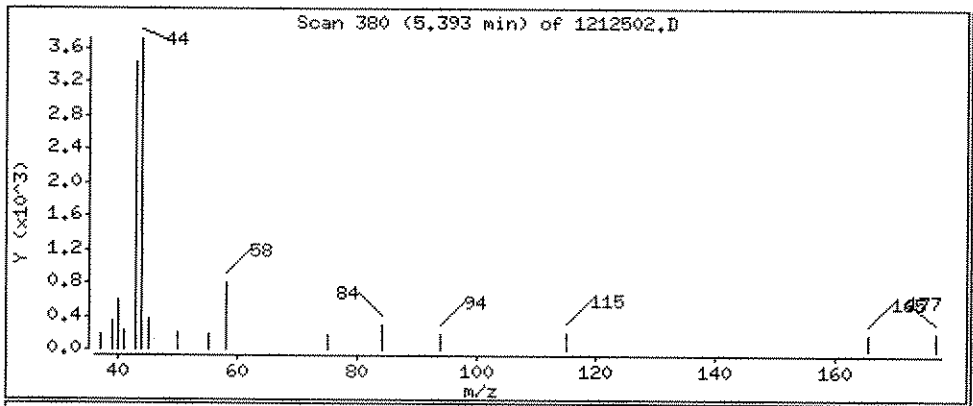
Client ID: JAX-EW-780-2-GW2010 Instrument: voa3.i

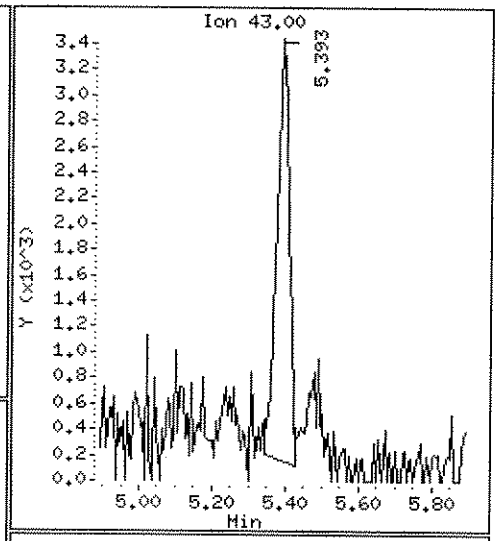
Sample Info: 1012125-02

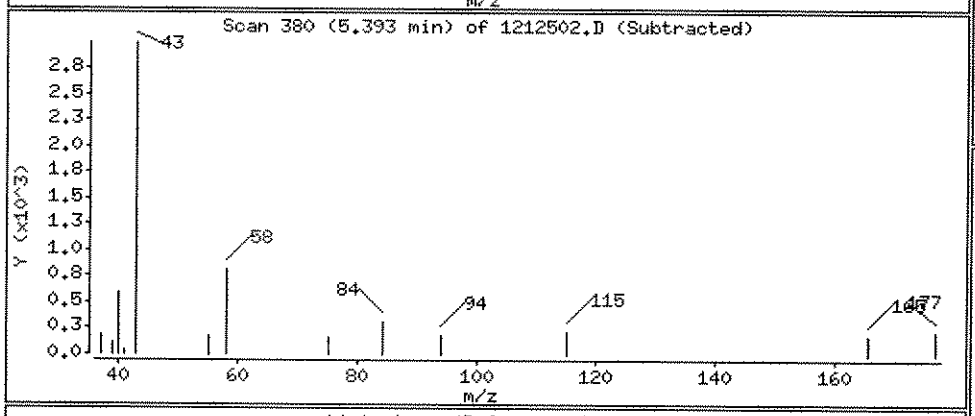
Purge Volume: 5.0 Operator: CLB

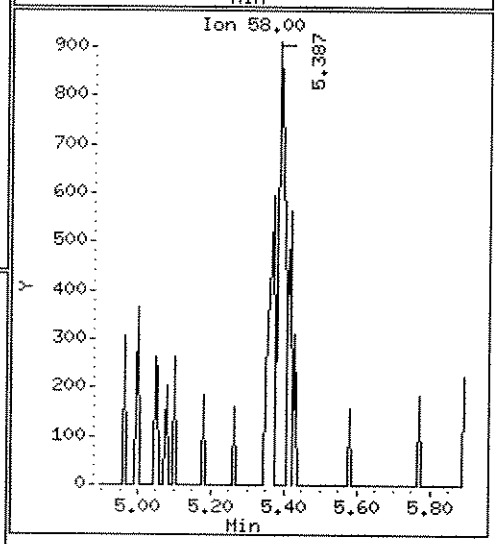
Column phase: RTX-VRX Column diameter: 0.25

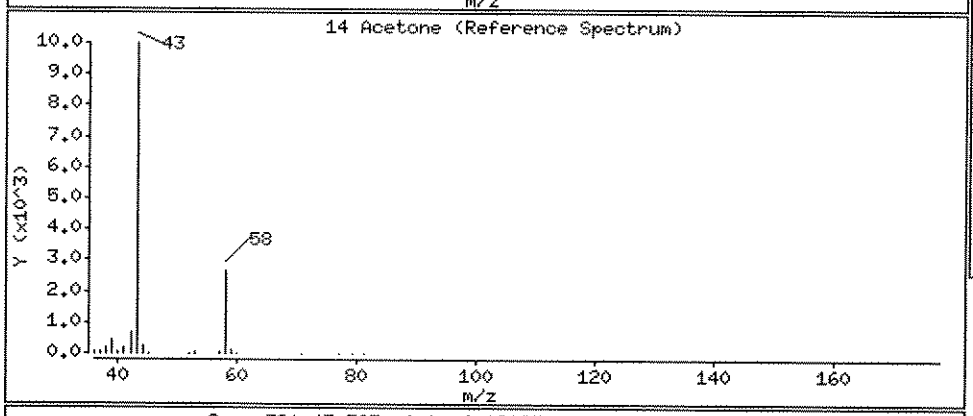
14 Acetone Concentration: 3.186 ug/L

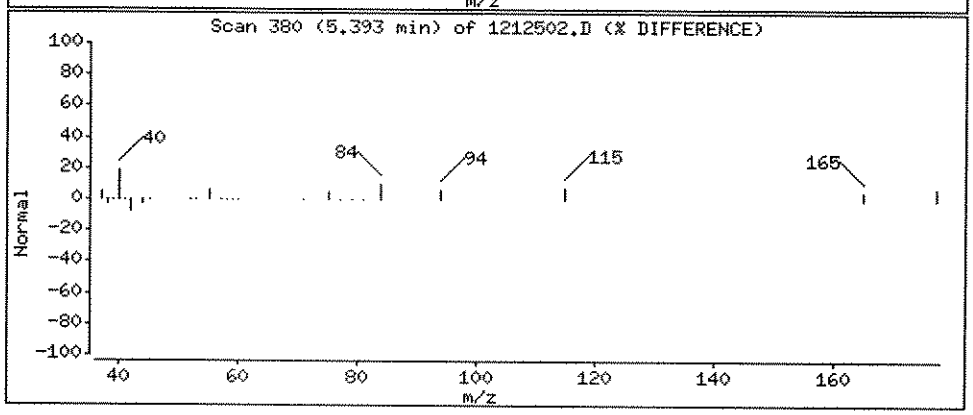












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212502.D

Date : 17-DEC-2010 06:13

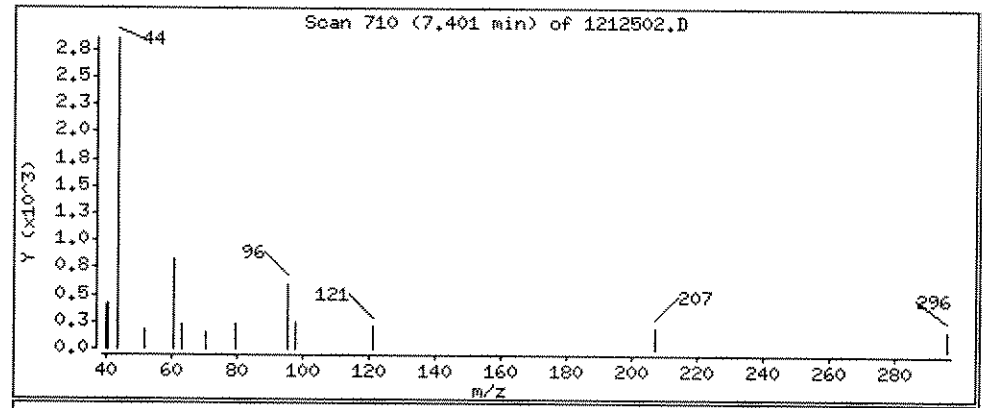
Client ID: JAX-EW-780-2-GW2010 Instrument: voa3.i

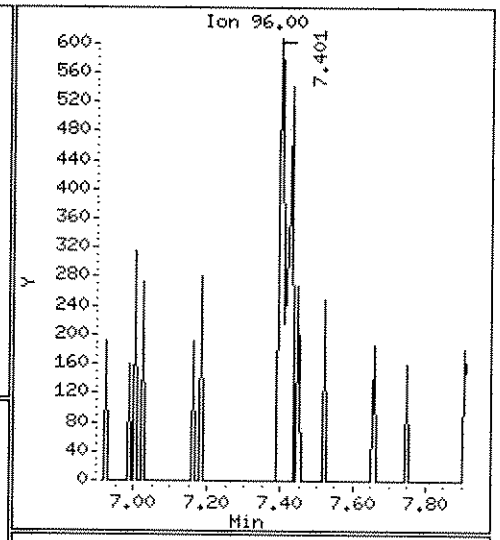
Sample Info: 1012125-02

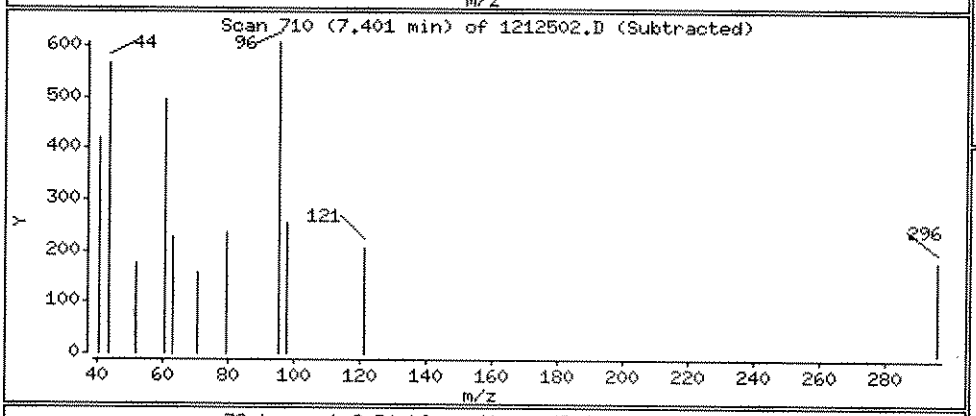
Purge Volume: 5.0 Operator: CLB

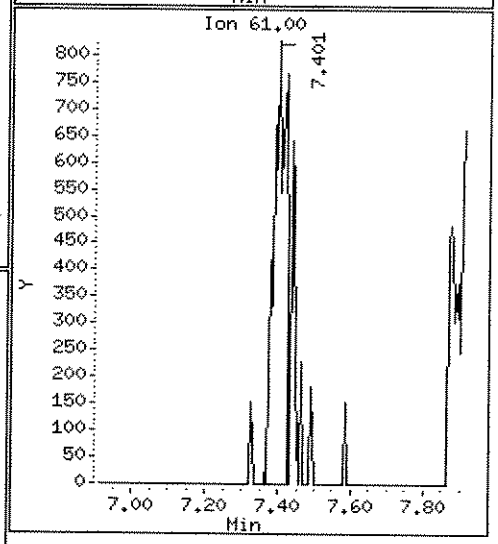
Column phase: RTX-VRX Column diameter: 0.25

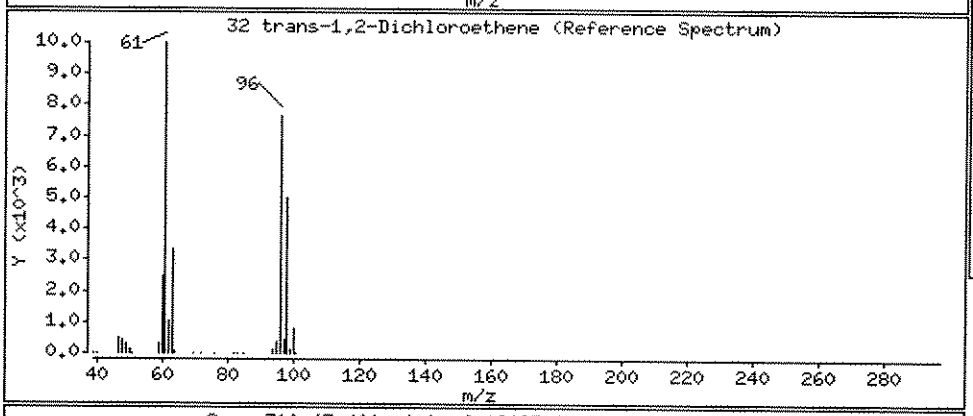
32 trans-1,2-Dichloroethene Concentration: 0.1476 ug/L

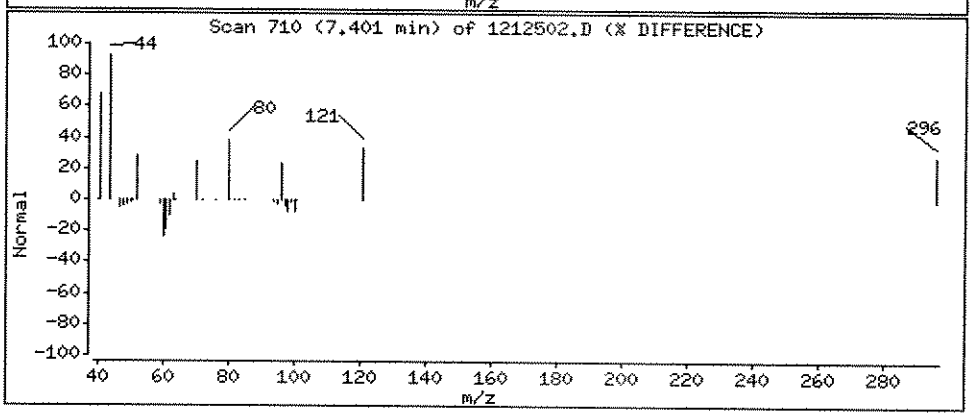












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212502.D

Date : 17-DEC-2010 06:13

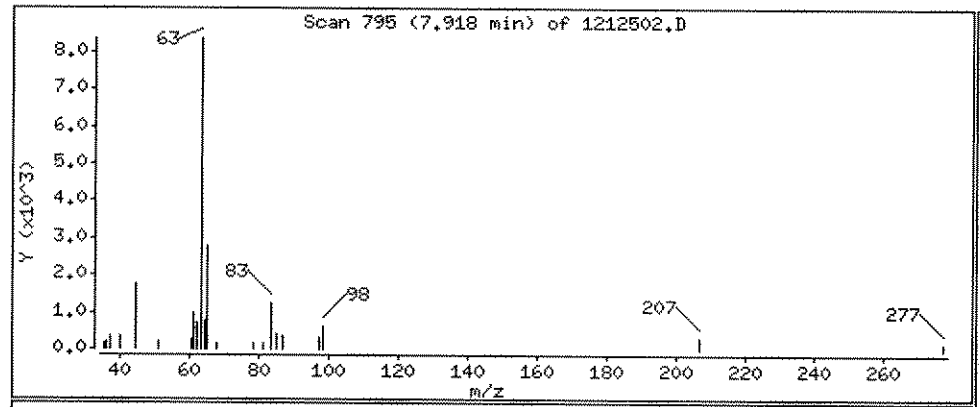
Client ID: JAX-EW-780-2-GW2010 Instrument: voa3.i

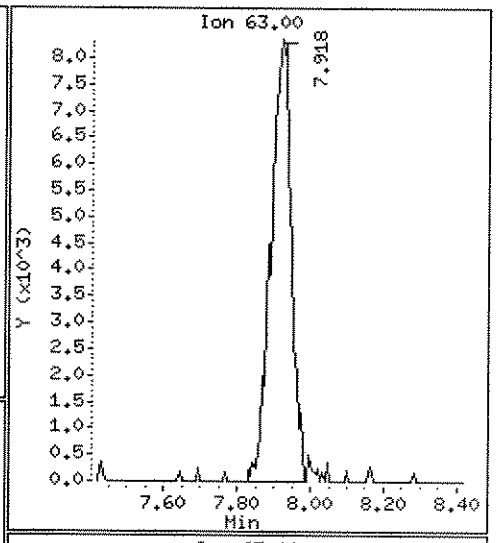
Sample Info: 1012125-02

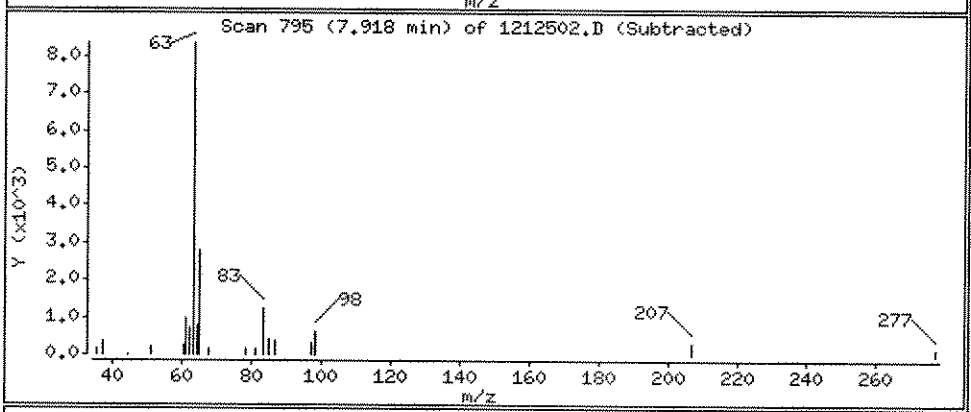
Purge Volume: 5.0 Operator: CLB

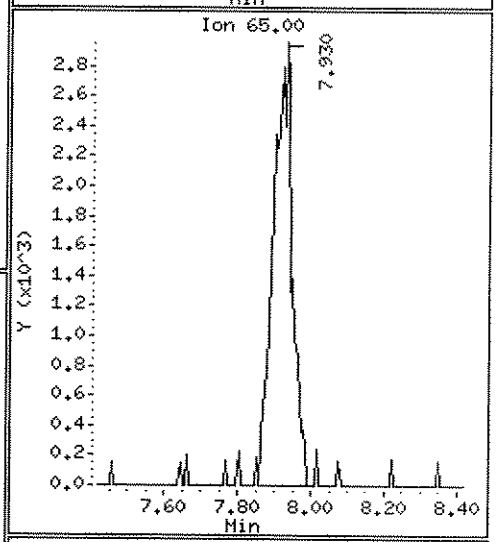
Column phase: RTX-VRX Column diameter: 0.25

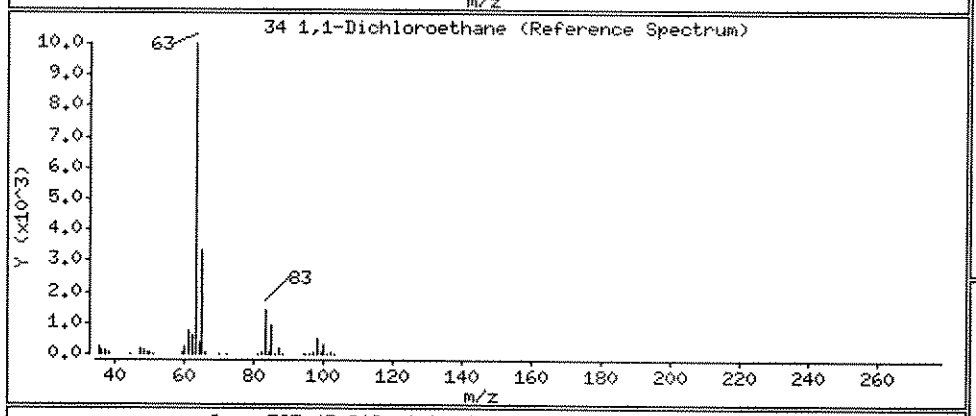
34 1,1-Dichloroethane Concentration: 2.388 ug/L

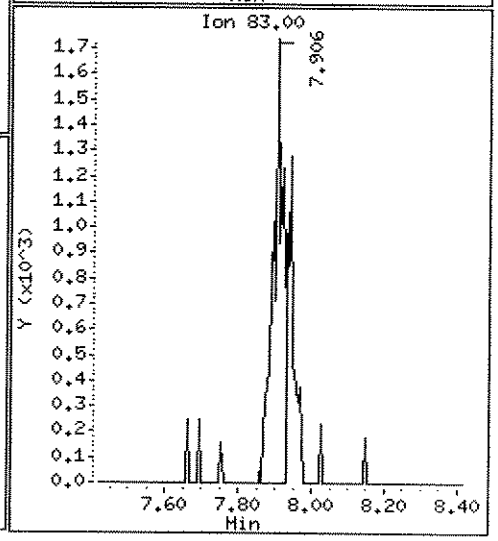


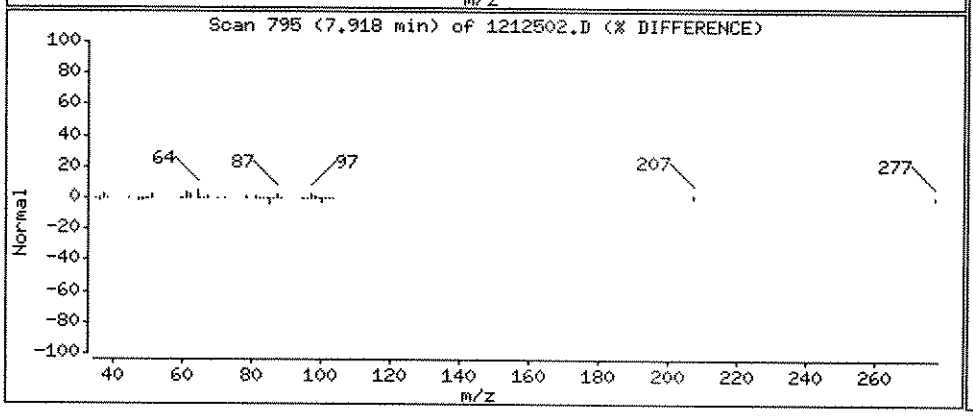












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212502.D

Date : 17-DEC-2010 06:13

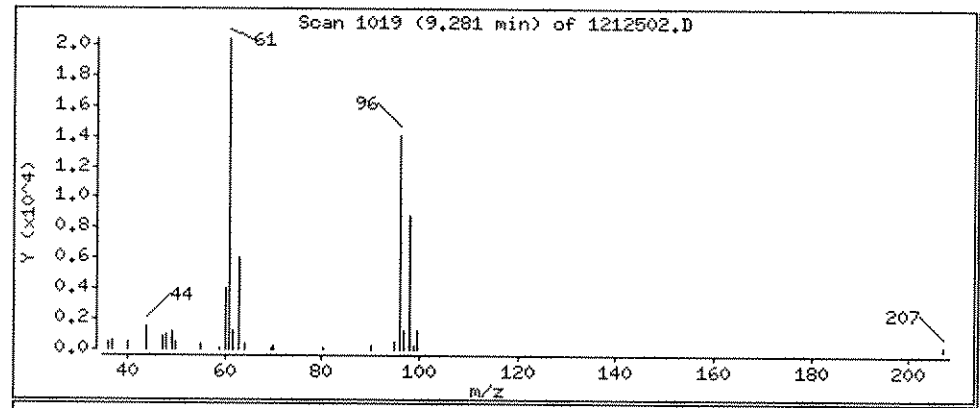
Client ID: JAX-EW-780-2-GW2010 Instrument: voa3.i

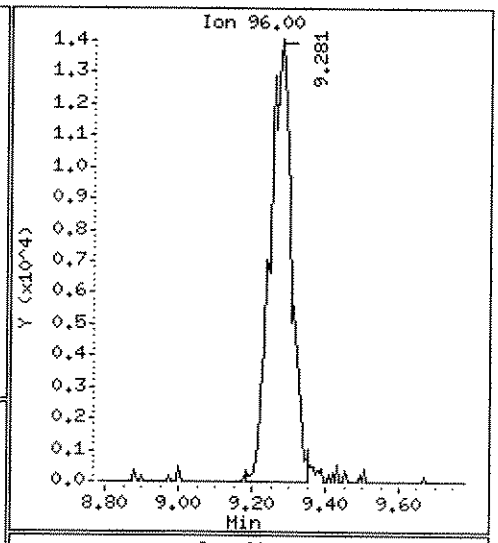
Sample Info: 1012125-02

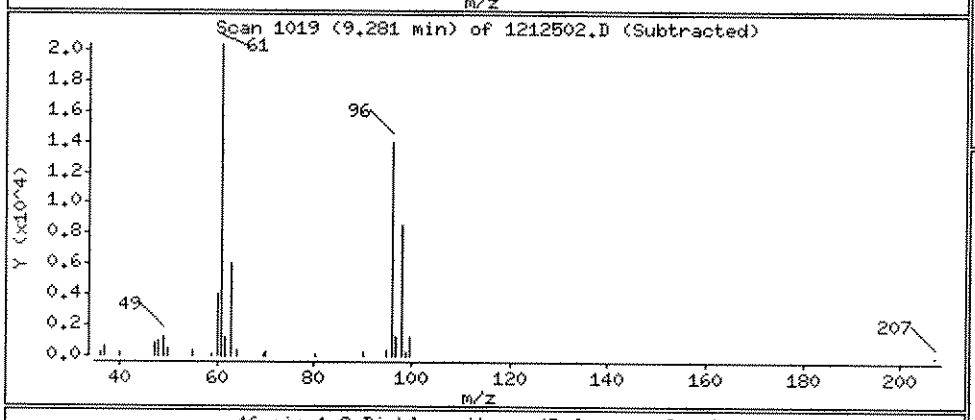
Purge Volume: 5.0 Operator: CLB

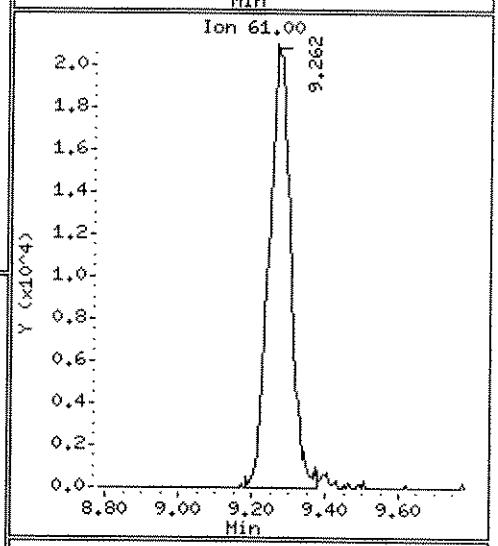
Column phase: RTX-VRX Column diameter: 0.25

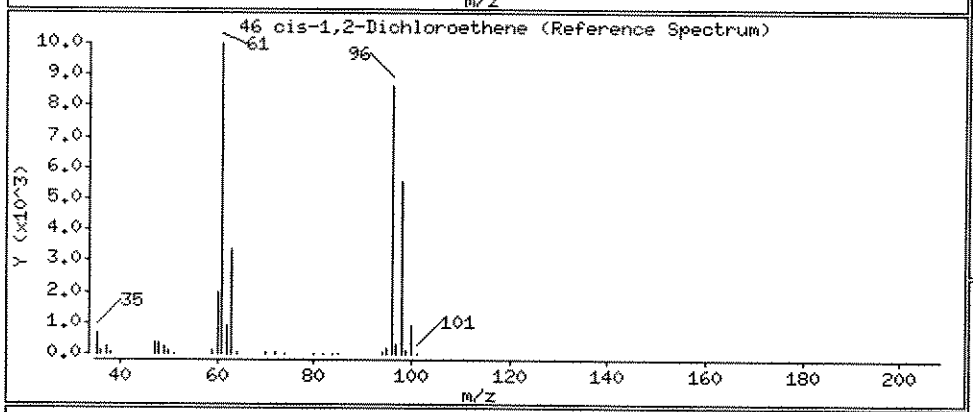
46 cis-1,2-Dichloroethene Concentration: 7.265 ug/L

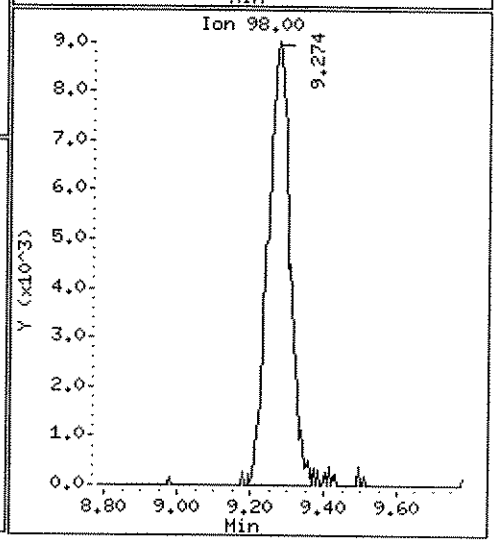


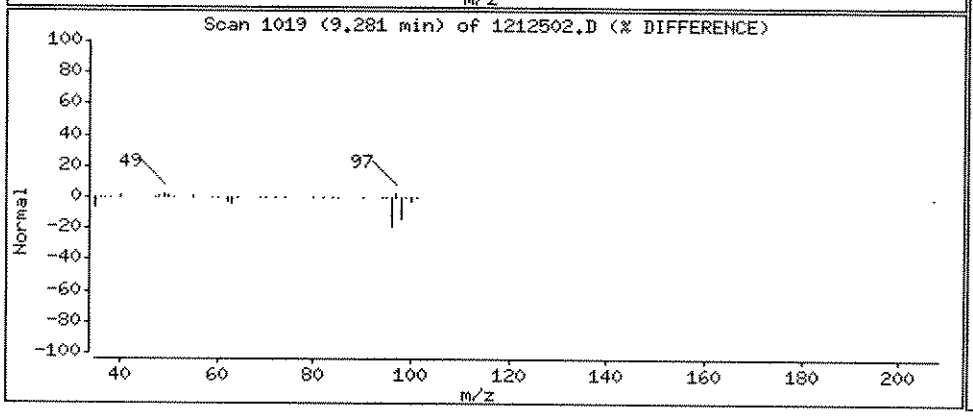












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212502.D

Date : 17-DEC-2010 06:13

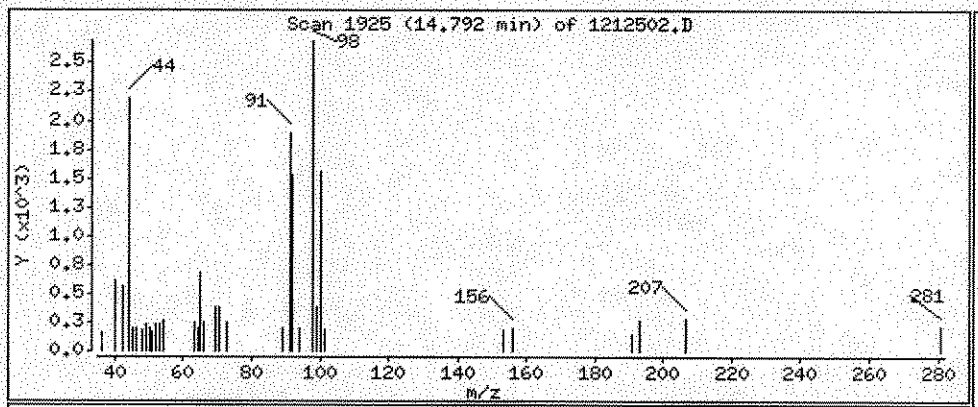
Client ID: JAX-EW-780-2-GW2010 Instrument: voa3.i

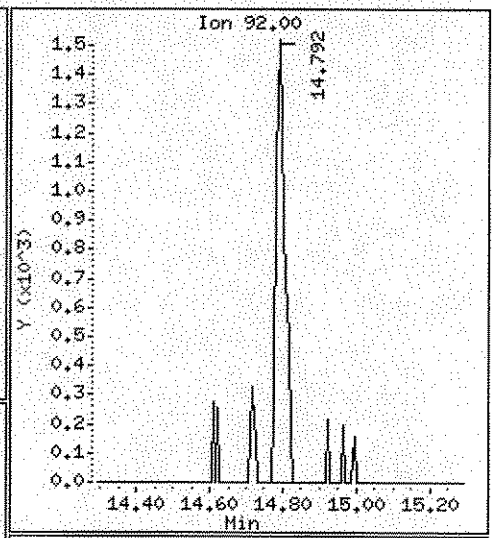
Sample Info: 1012125-02

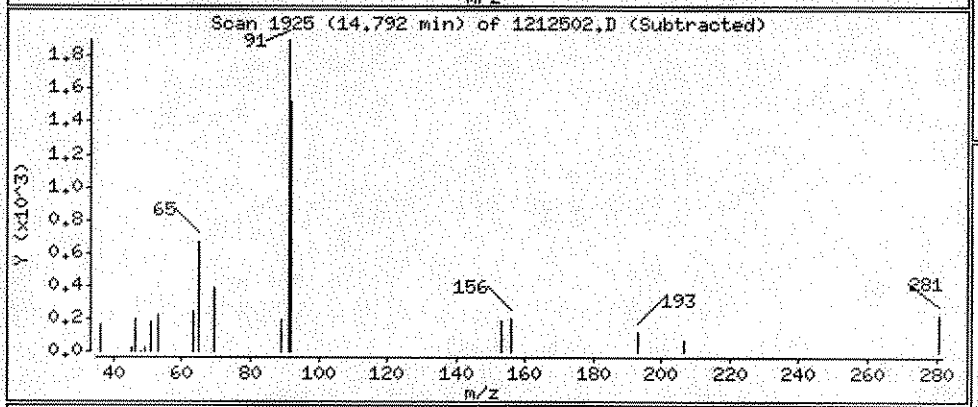
Purge Volume: 5.0 Operator: CLB

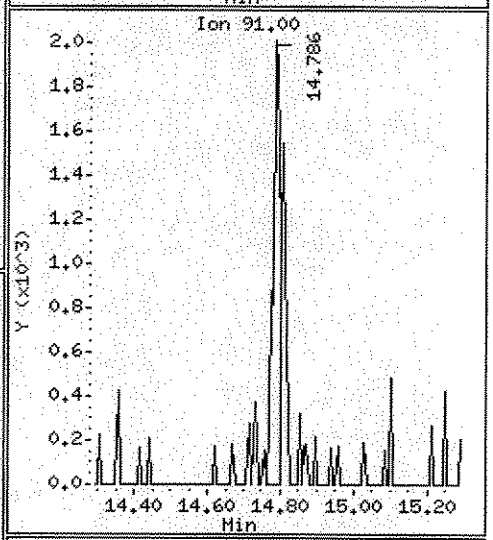
Column phase: RTX-VRX Column diameter: 0.25

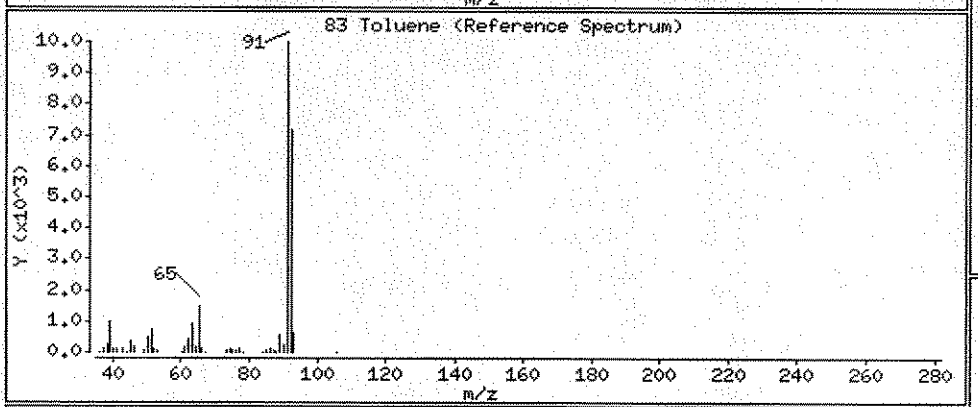
83 Toluene Concentration: 0.1074 ug/L

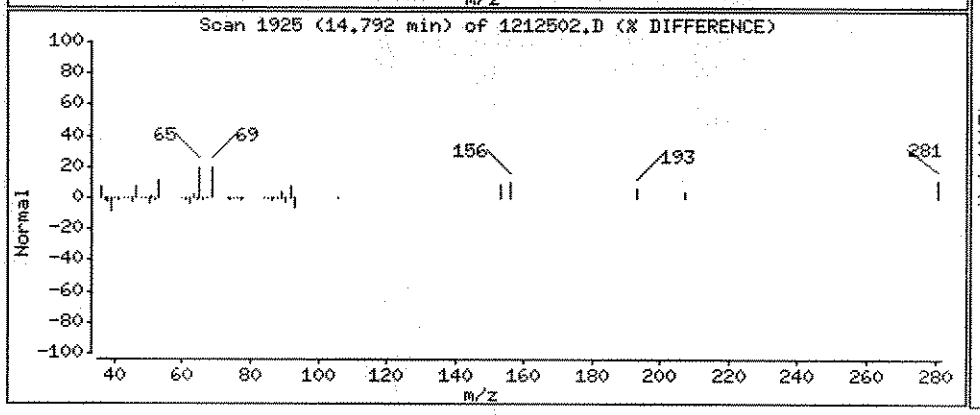


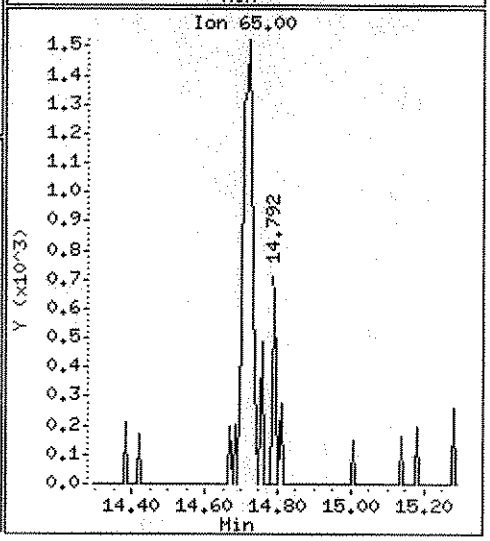












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212502.D

Date : 17-DEC-2010 06:13

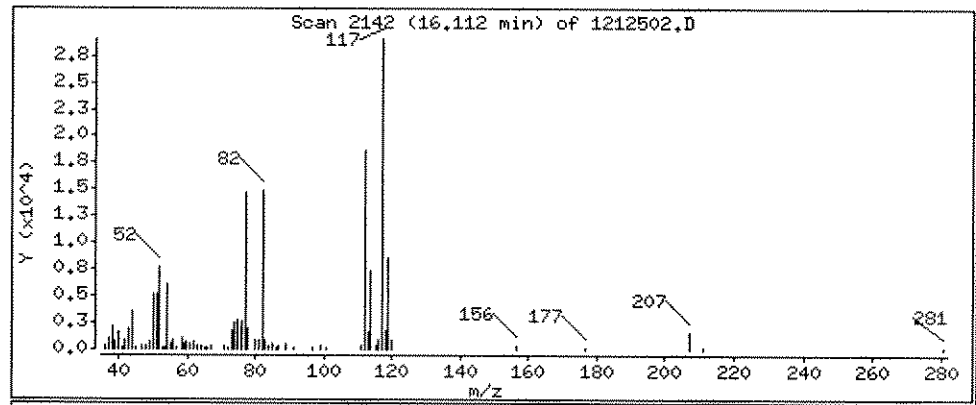
Client ID: JAX-EW-780-2-GW2010 Instrument: voa3.i

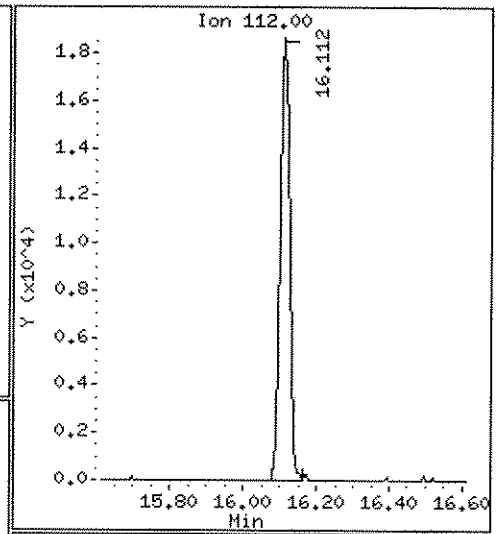
Sample Info: 1012125-02

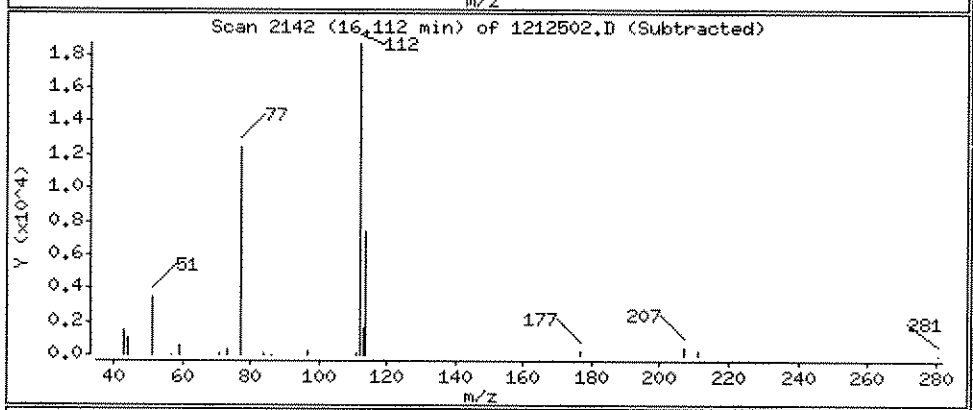
Purge Volume: 5.0 Operator: CLB

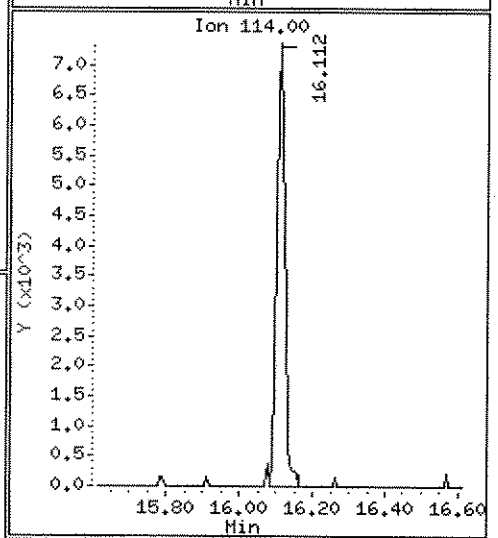
Column phase: RTX-VRX Column diameter: 0.25

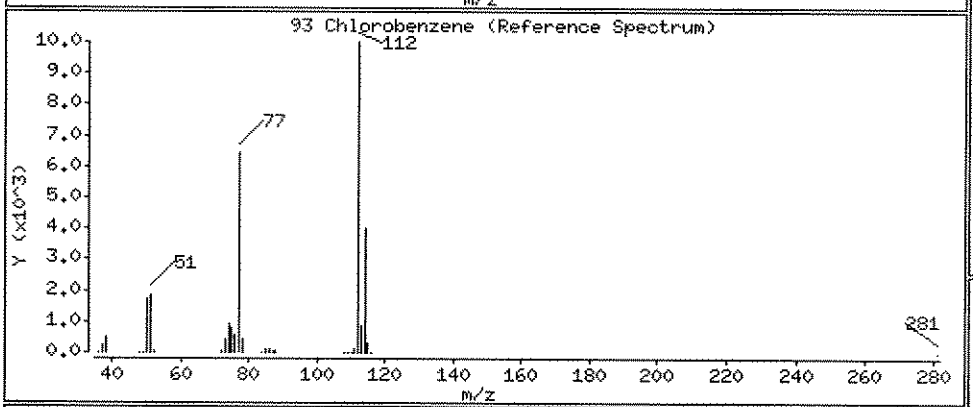
93 Chlorobenzene Concentration: 1.169 ug/L

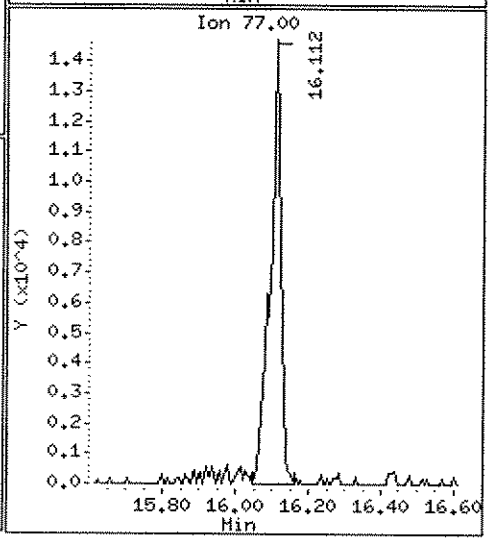


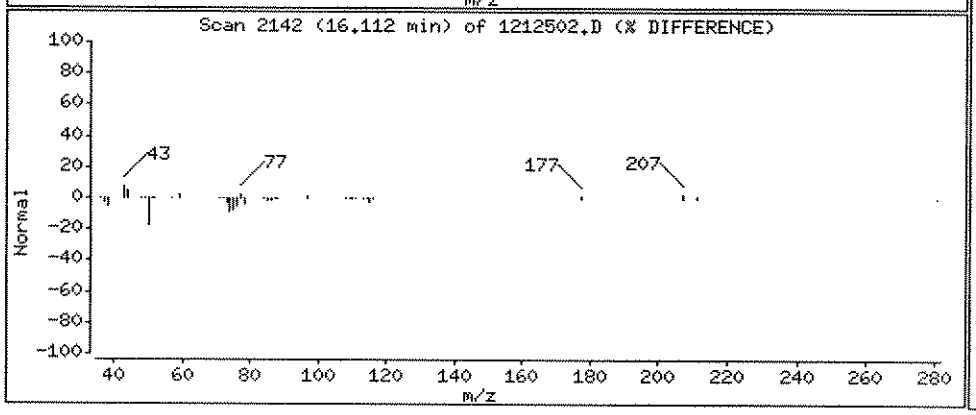












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212502.D

Date : 17-DEC-2010 06:13

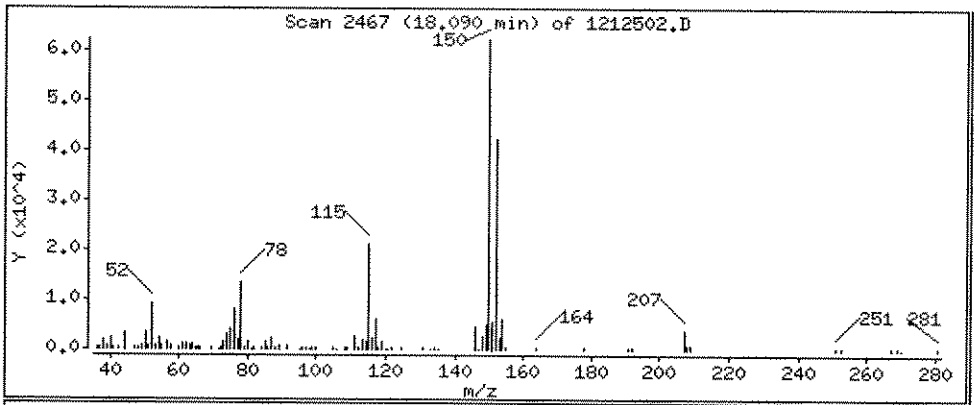
Client ID: JAX-EW-780-2-GW2010 Instrument: voa3.i

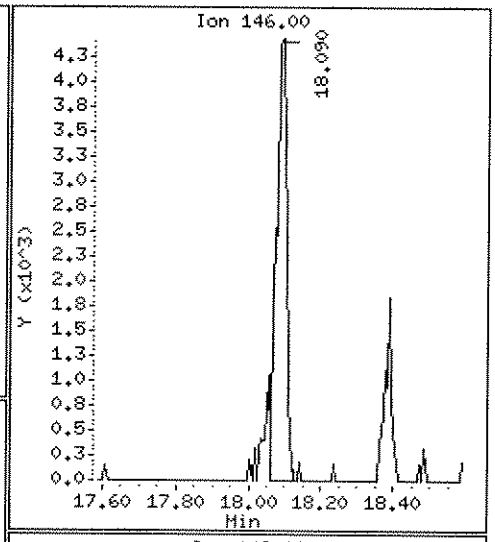
Sample Info: 1012125-02

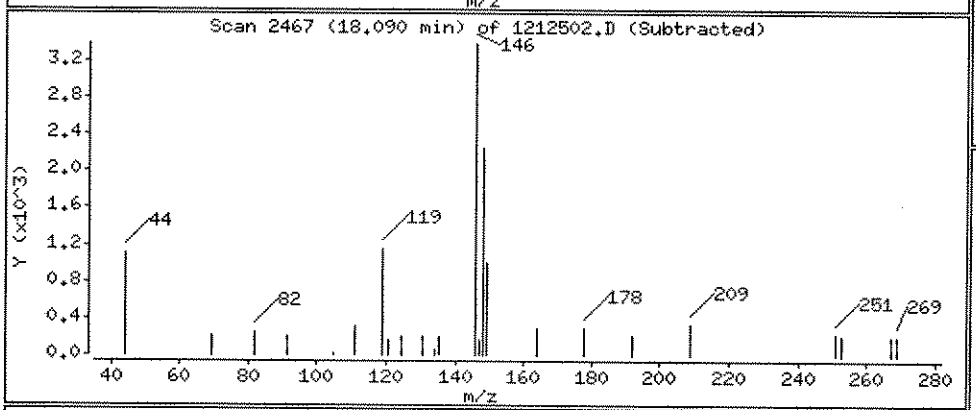
Purge Volume: 5.0 Operator: CLB

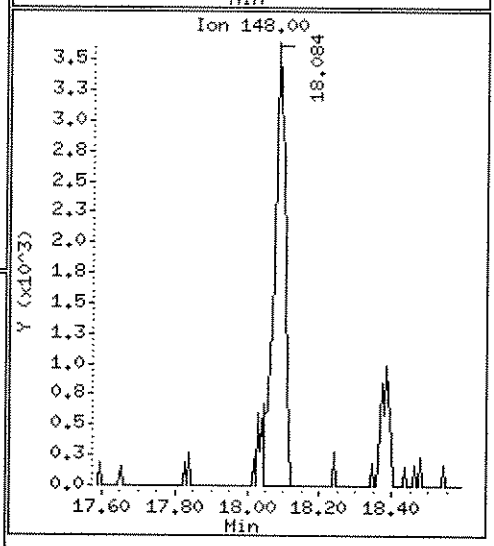
Column phase: RTX-VRX Column diameter: 0.25

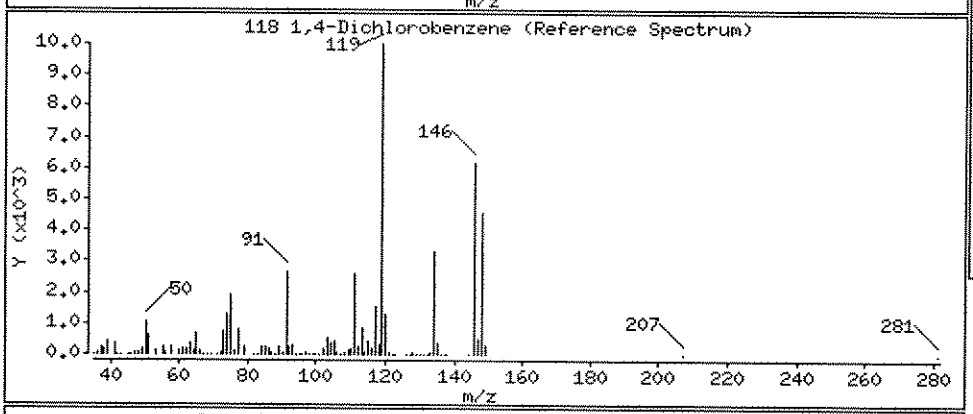
118 1,4-Dichlorobenzene Concentration: 0.3785 ug/L

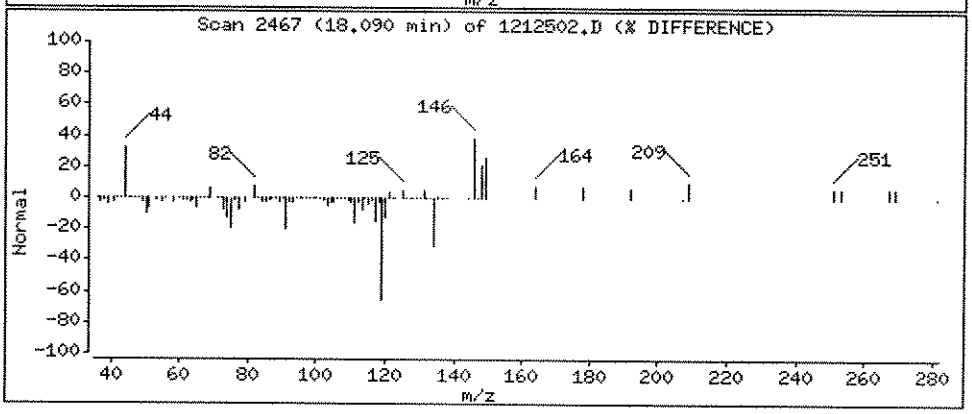












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212502.D

Date : 17-DEC-2010 06:13

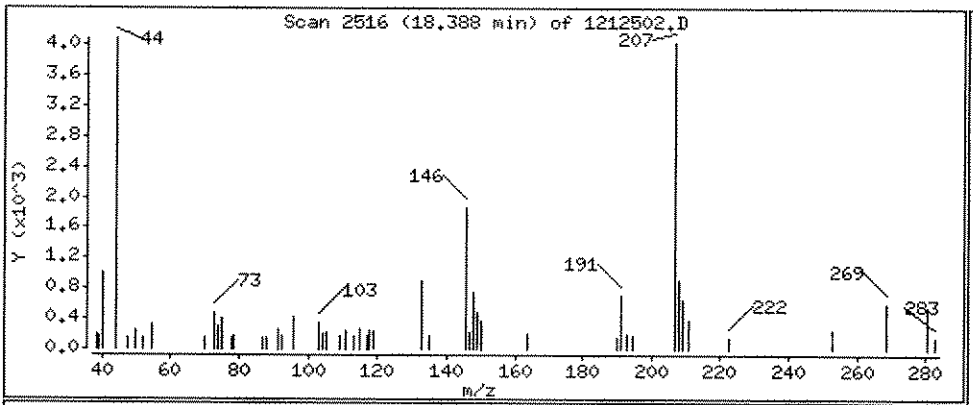
Client ID: JAX-EW-780-2-GW2010 Instrument: voa3.i

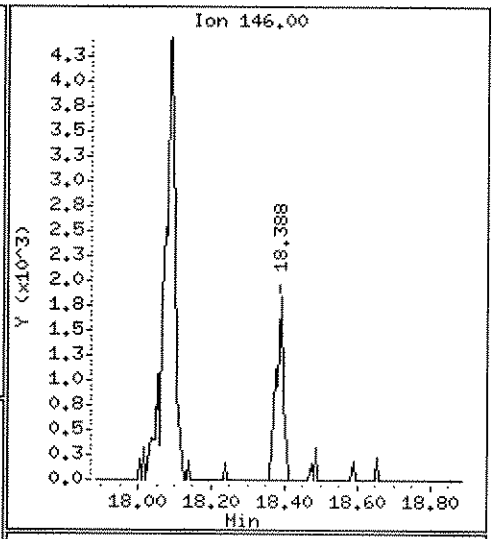
Sample Info: 1012125-02

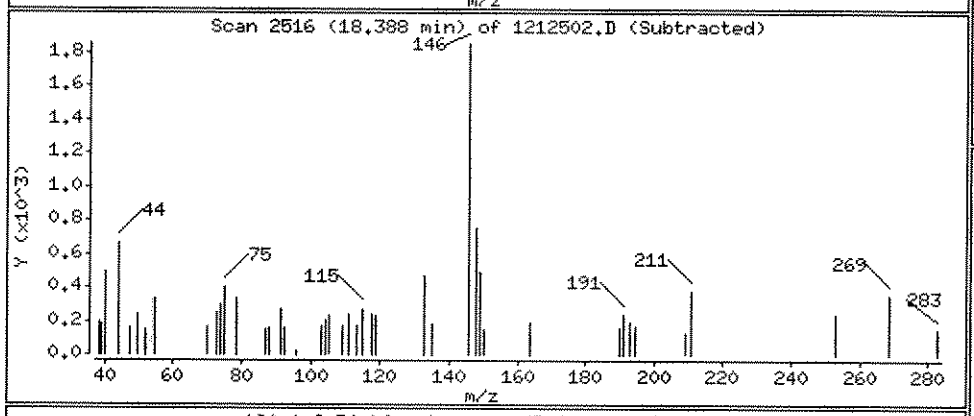
Purge Volume: 5.0 Operator: CLB

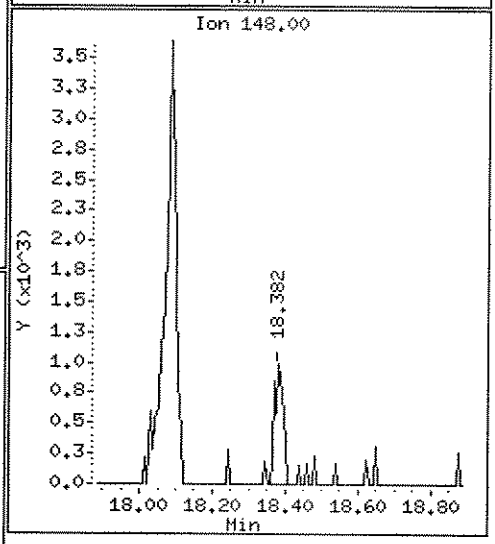
Column phase: RTX-VRX Column diameter: 0.25

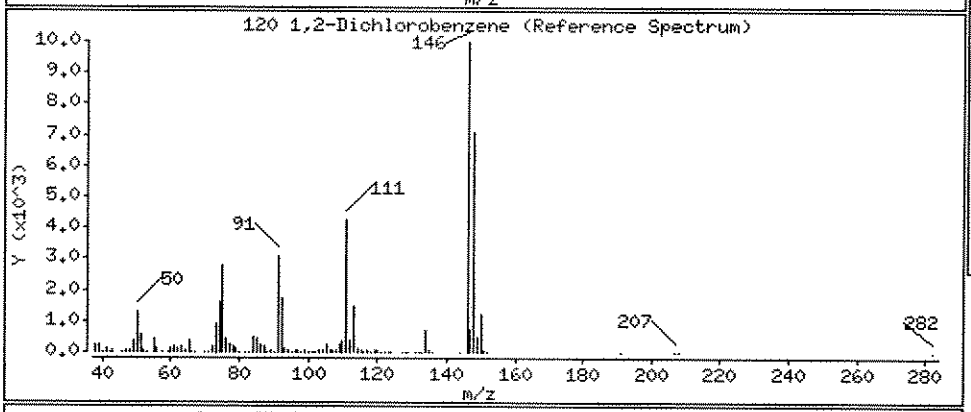
120 1,2-Dichlorobenzene Concentration: 0.1122 ug/L

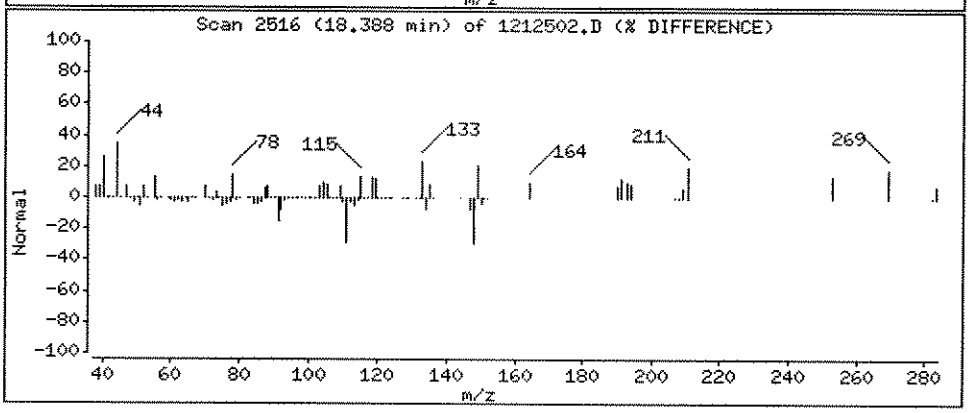












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D
Report Date: 17-Dec-2010 08:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D
Lab Smp Id: 1012125-03 Client Smp ID: JAX-MW-780-DUP01-GW
Inj Date : 17-DEC-2010 06:43 MS Autotune Date: 13-DEC-2010 15:35
Operator : CLB Inst ID: voa3.i
Smp Info : 1012125-03
Misc Info : ;0;;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\VWATER3.m
Meth Date : 17-Dec-2010 08:22 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET02_VM

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

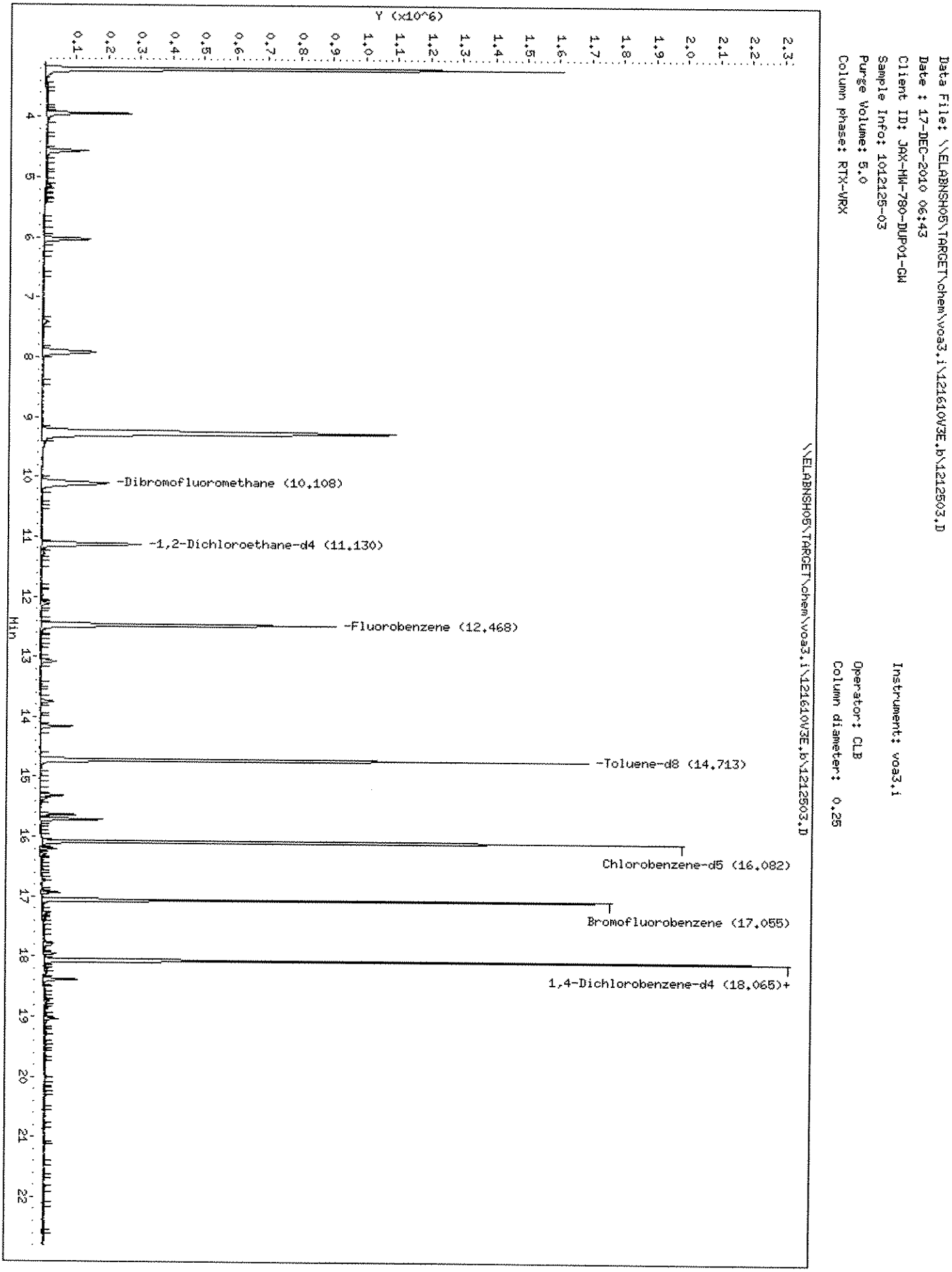
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	12.468	12.480	(1.000)	1029544	30.0000	
4 Vinyl chloride	62	3.939	3.939	(0.316)	300517	45.8494	45.85
8 Chloroethane	64	4.559	4.565	(0.366)	132733	32.7498	32.75
15 t-Butyl alcohol	59	6.025	6.037	(0.483)	8694	11.4023	11.40
22 1,1-Dichloroethene	96	6.025	6.037	(0.483)	77258	12.1763	12.18
14 Acetone	43	5.380	5.393	(0.432)	10568	4.31215	4.312(aM)
32 trans-1,2-Dichloroethene	96	7.412	7.412	(0.595)	10345	1.40624	1.406
34 1,1-Dichloroethane	63	7.917	7.917	(0.635)	314347	23.0705	23.07
46 cis-1,2-Dichloroethene	96	9.268	9.280	(0.743)	1006461	126.305	126.3
M 30 1,2-Dichloroethene(total)	96				1016806	127.711	127.7
$ 51 Dibromofluoromethane	111	10.107	10.120	(0.811)	289922	32.4394	32.44(Q)
59 Cyclohexane	56	11.957	11.975	(0.959)	4761	0.39180	0.3918(aM)
$ 54 1,2-Dichloroethane-d4	102	11.129	11.135	(0.893)	53129	28.0319	28.03(Q)
61 Benzene	78	12.115	12.127	(0.972)	29961	1.00428	1.004
55 1,2-Dichloroethane	62	11.288	11.281	(0.905)	10075	0.81134	0.8113(a)
67 Trichloroethene	95	13.082	13.088	(1.049)	13968	1.58158	1.582

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D
Report Date: 17-Dec-2010 08:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)
66 1,2-Dichloropropane	63	12.997	13.009	(1.042)	1408	0.17279	0.1728(aQM)
$ 81 Toluene-d8	98	14.719	14.719	(0.915)	1173056	28.1683	28.17
74 Methyl cyclohexane	83	13.752	13.751	(1.103)	16741	1.65745	1.657(M)
* 92 Chlorobenzene-d5	82	16.082	16.088	(1.000)	609842	30.0000	
$ 104 Bromofluorobenzene	95	17.055	17.061	(1.061)	595371	29.8919	29.89
114 sec-Butylbenzene	105	17.955	17.961	(0.994)	15605	0.37497	0.3750(a)
* 117 1,4-Dichlorobenzene-d4	152	18.065	18.071	(1.000)	642868	30.0000	
118 1,4-Dichlorobenzene	146	18.083	18.089	(1.001)	6514	0.28936	0.2894(a)
120 1,2-Dichlorobenzene	146	18.381	18.387	(1.018)	39279	1.83661	1.837
119 p-Isopropyltoluene	119	17.791	17.797	(0.985)	14976	0.51150	0.5115(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.


Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121610V3E.b\1212503.D
Date : 17-DEC-2010 06:43
Client ID: JAX-MW-780-DUP01-GW
Sample Info: 1012125-03
Purge Volume: 5.0
Column phase: RTX-VRX
Instrument: voa3.i
Operator: CLB
Column diameter: 0.25
\\ELABNSHO5\TARGET\chem\voa3.i\121610V3E.b\1212503.D
Y (x10^6)
Min
-Dibromofluoromethane (10.108)
-1,2-Dichloroethane-d4 (11.130)
-Fluorobenzene (12.468)
-Toluene-d8 (14.713)
Chlorobenzene-d5 (16.082)
Bromofluorobenzene (17.055)
1,4-Dichlorobenzene-d4 (18.065)+

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

Client ID: JAX-MW-780-DUP01-GW

Instrument: voa3.i

Sample Info: 1012125-03

Purge Volume: 5.0

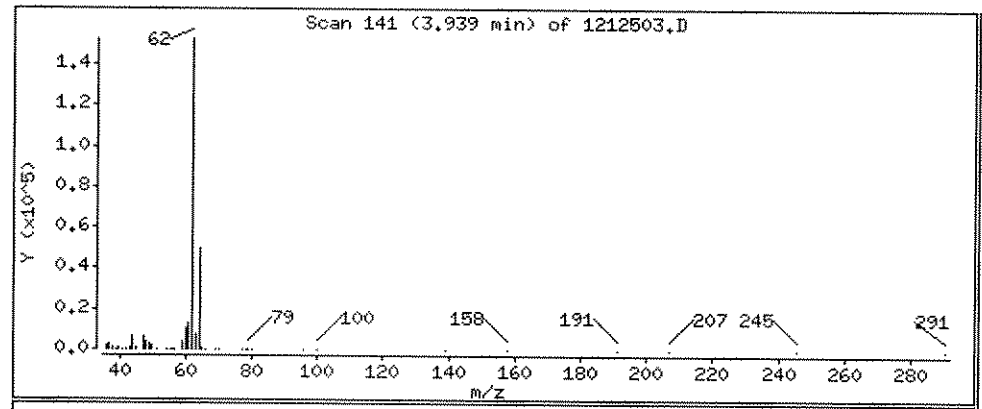
Operator: CLB

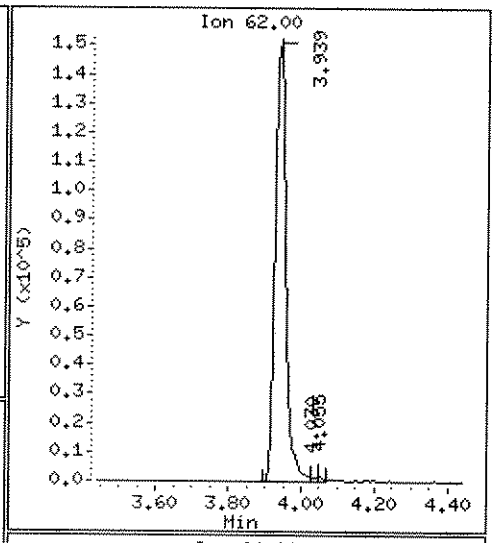
Column phase: RTX-VRX

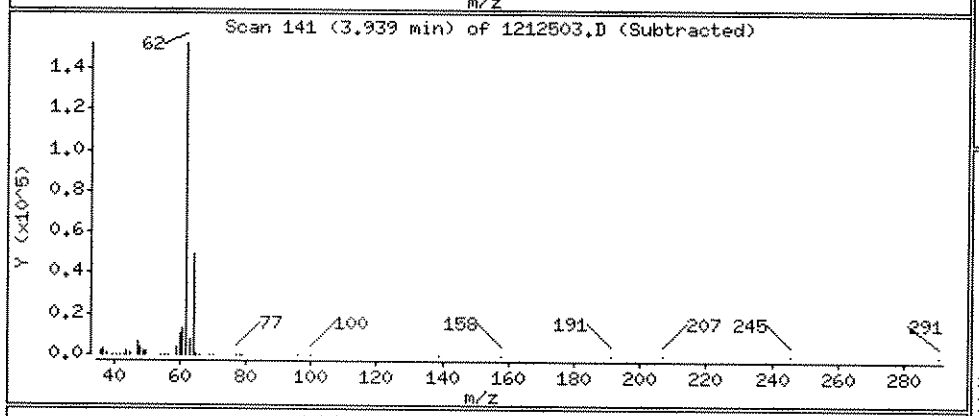
Column diameter: 0.25

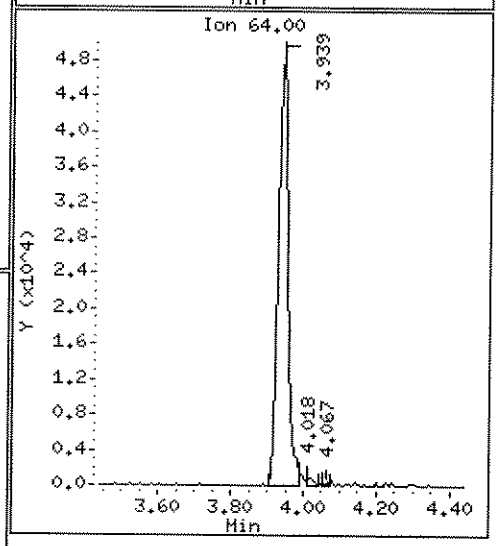
4 Vinyl chloride

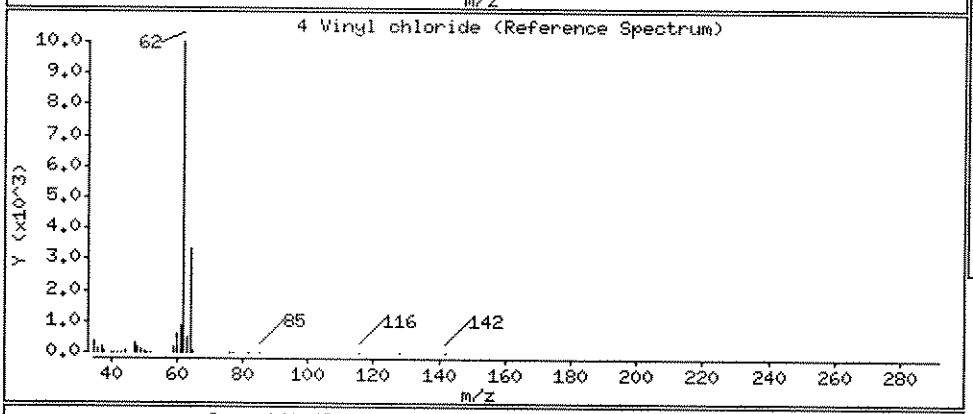
Concentration: 45.85 ug/L

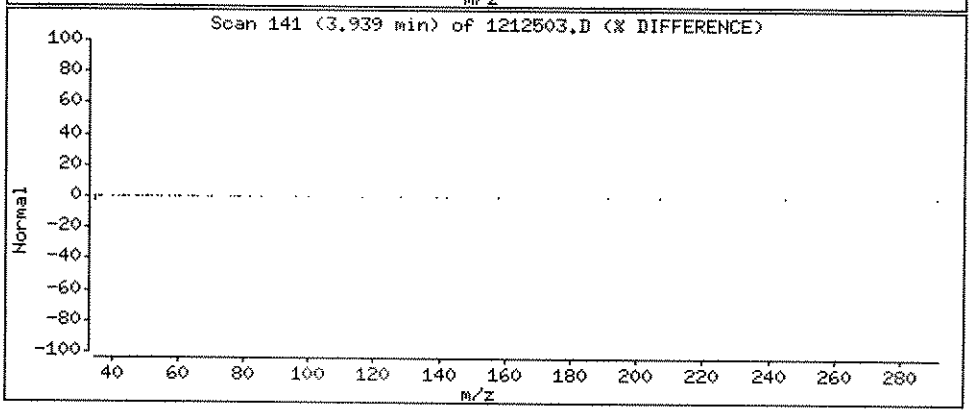












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

Client ID: JAX-MW-780-DUP01-GW

Instrument: voa3.i

Sample Info: 1012125-03

Purge Volume: 5.0

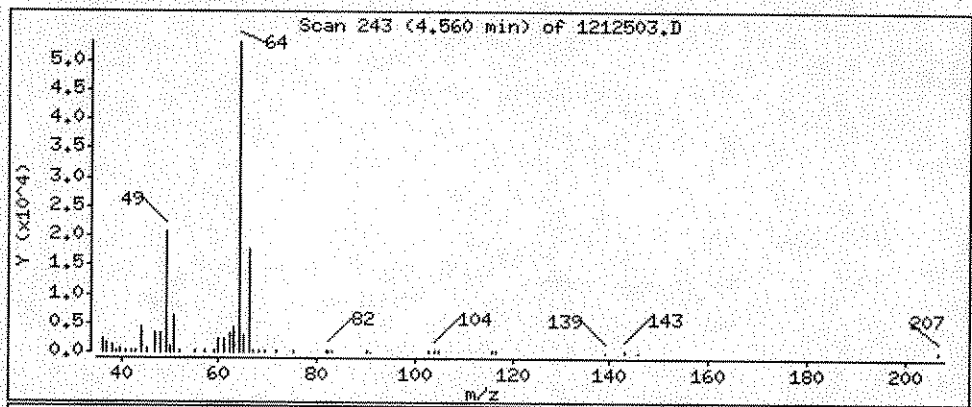
Operator: CLB

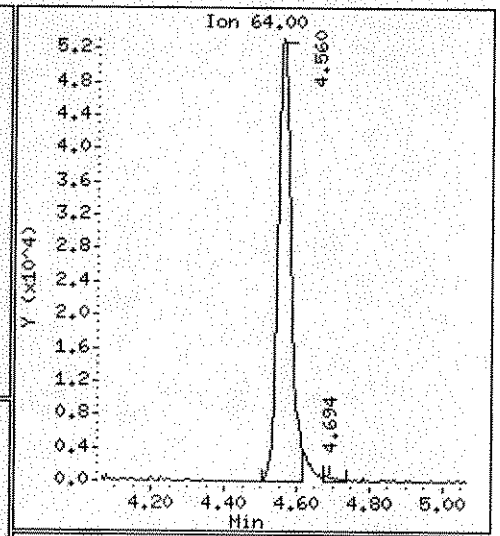
Column phase: RTX-VRX

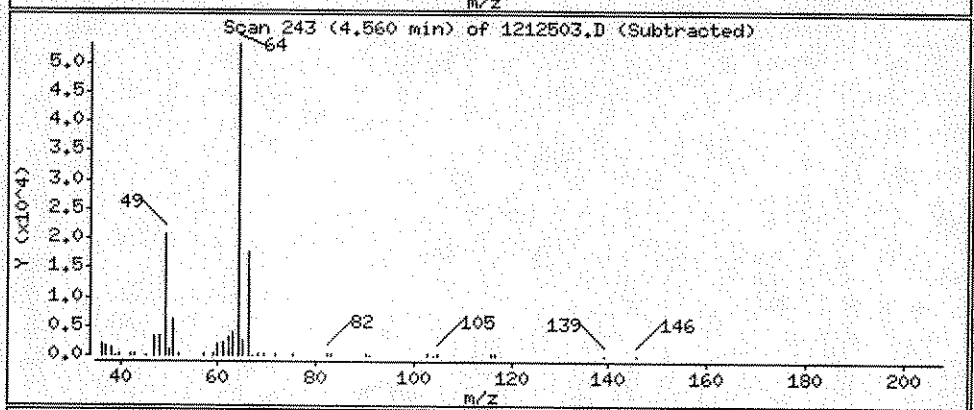
Column diameter: 0.25

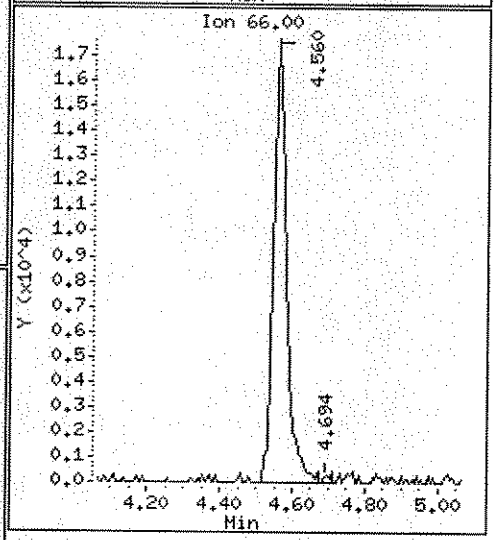
8 Chloroethane

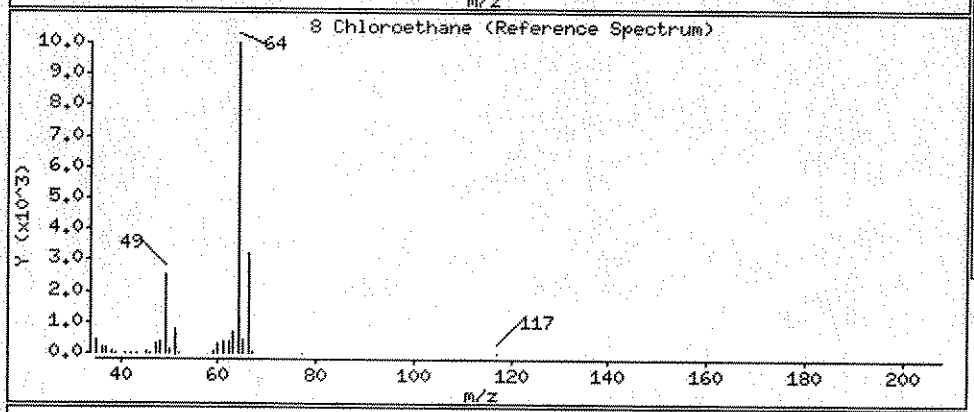
Concentration: 32.75 ug/L

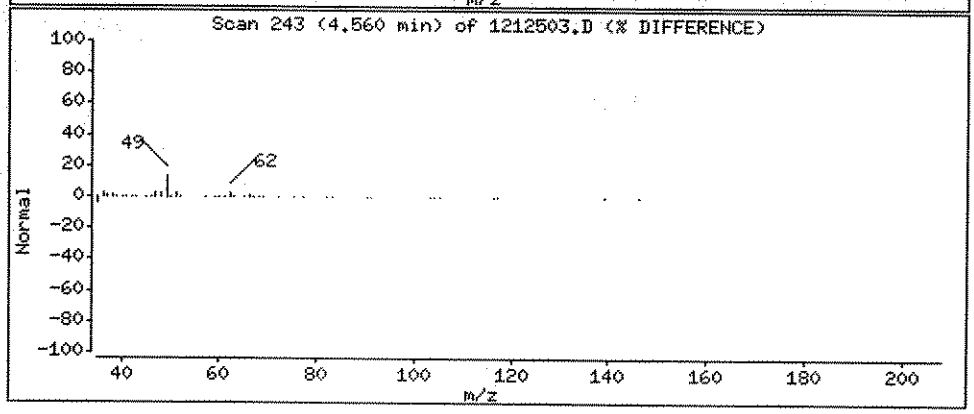












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

Client ID: JAX-MW-780-DUP01-GW

Instrument: voa3.i

Sample Info: 1012125-03

Purge Volume: 5.0

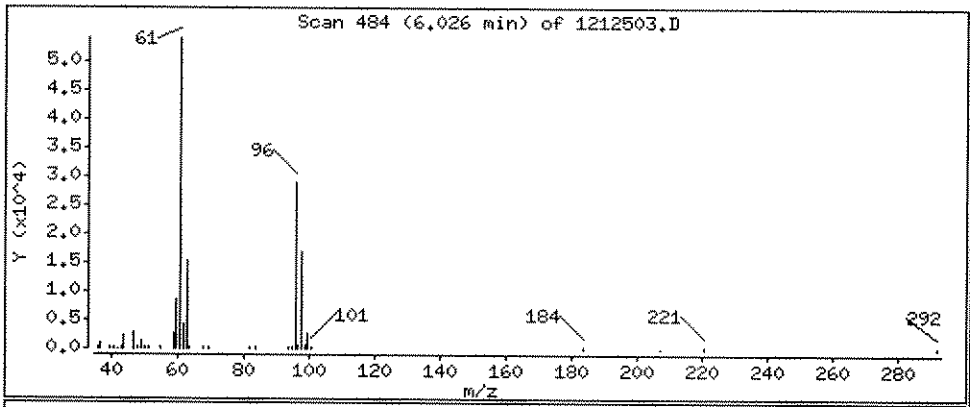
Operator: CLB

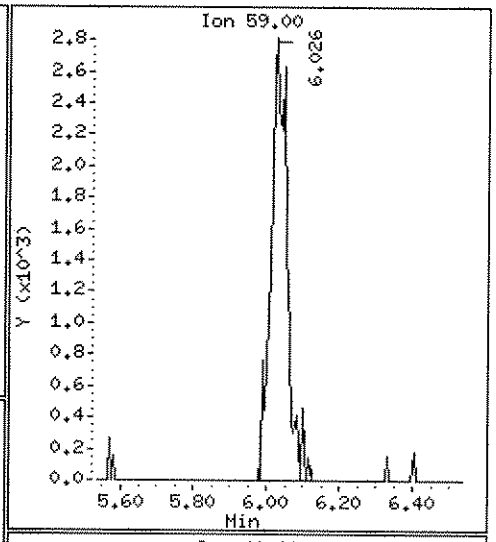
Column phase: RTX-VRX

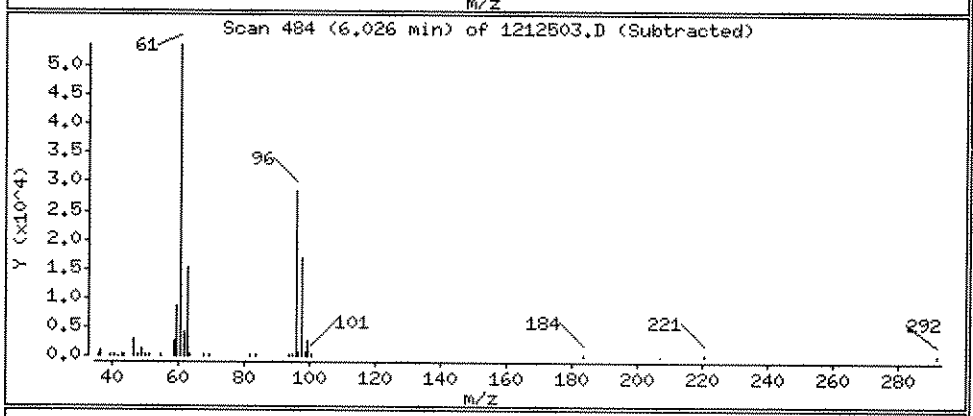
Column diameter: 0.25

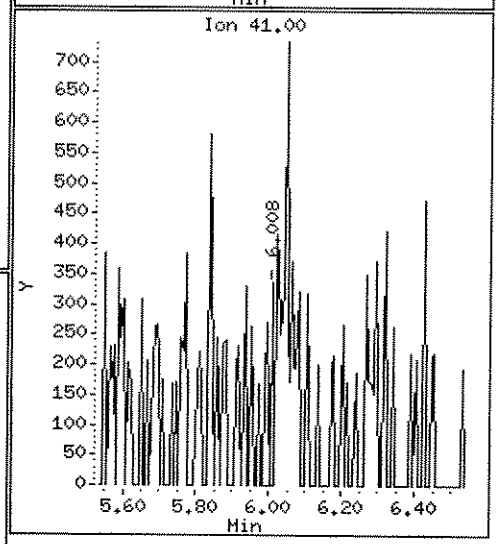
15 t-Butyl alcohol

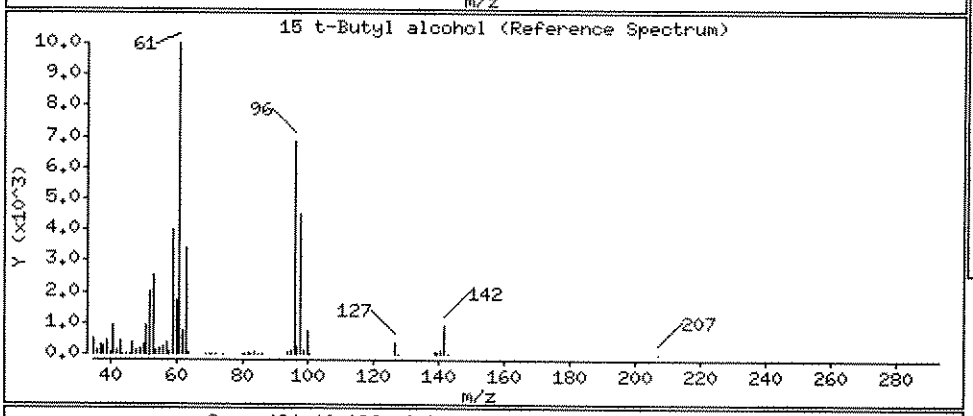
Concentration: 11.40 ug/L

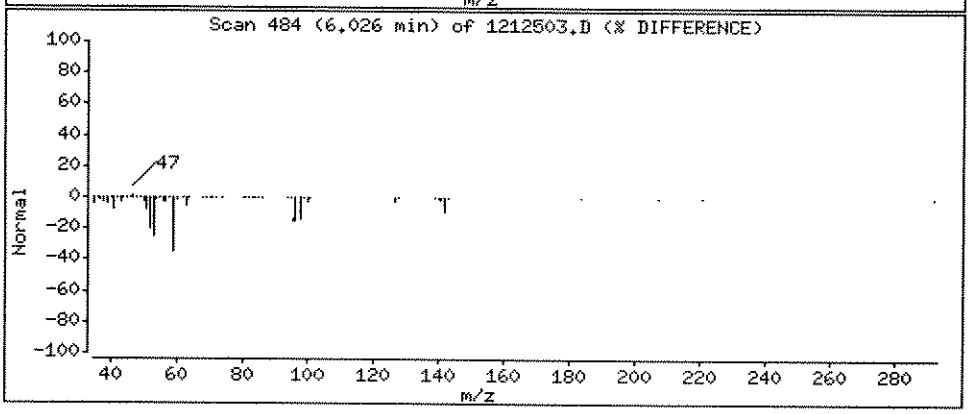












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

Client ID: JAX-MW-780-DUP01-GW

Instrument: voa3.i

Sample Info: 1012125-03

Purge Volume: 5.0

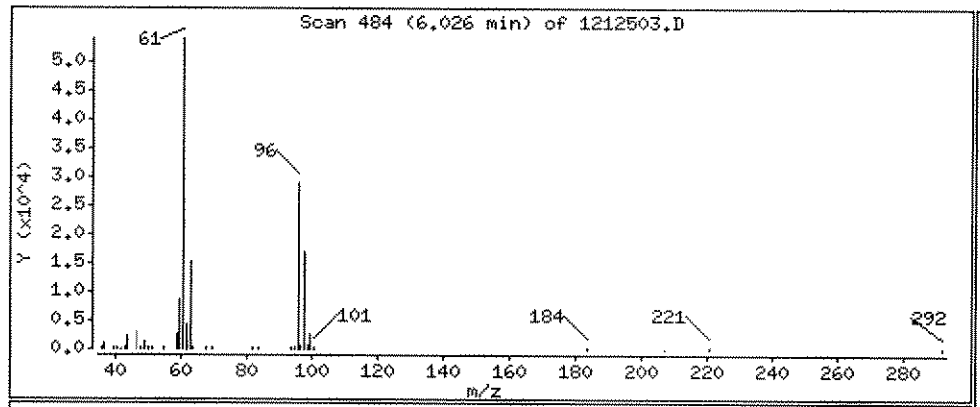
Operator: CLB

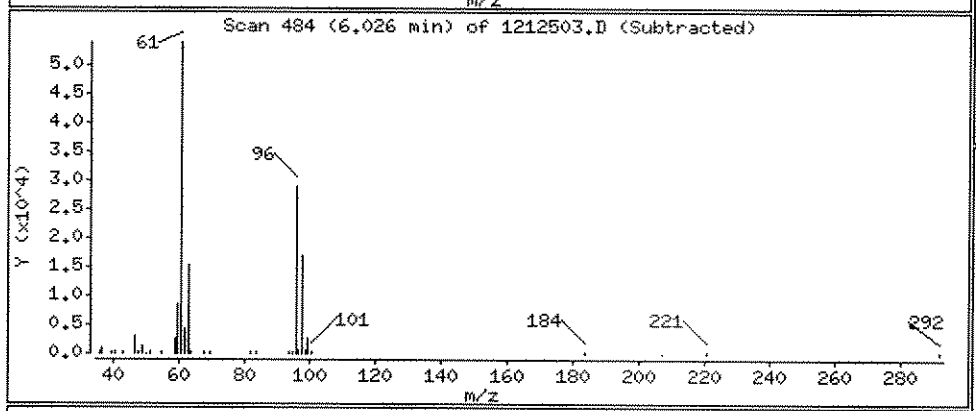
Column phase: RTX-VRX

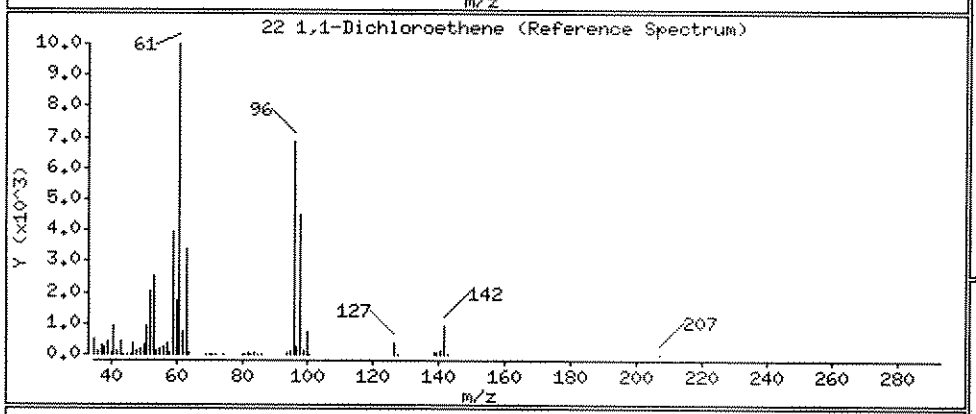
Column diameter: 0.25

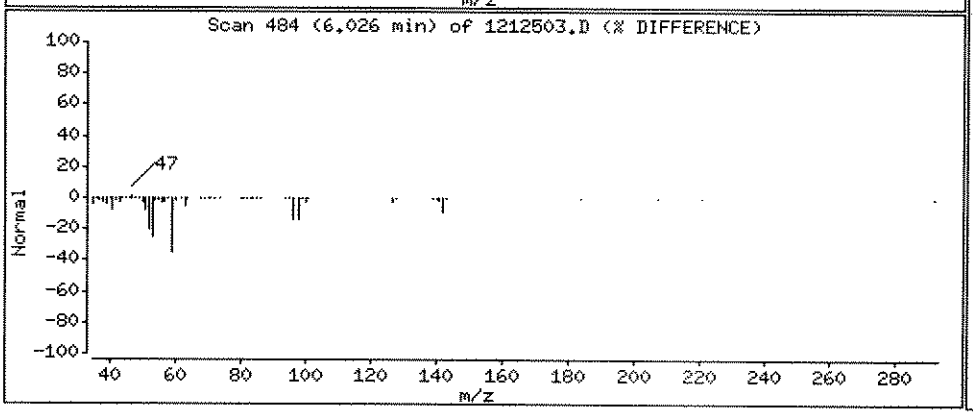
22 1,1-Dichloroethene

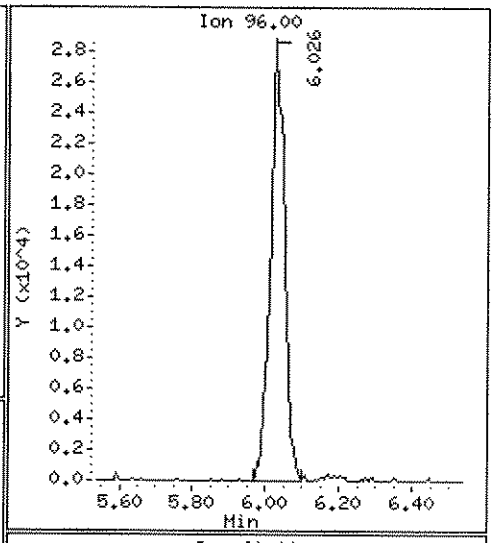
Concentration: 12.18 ug/L

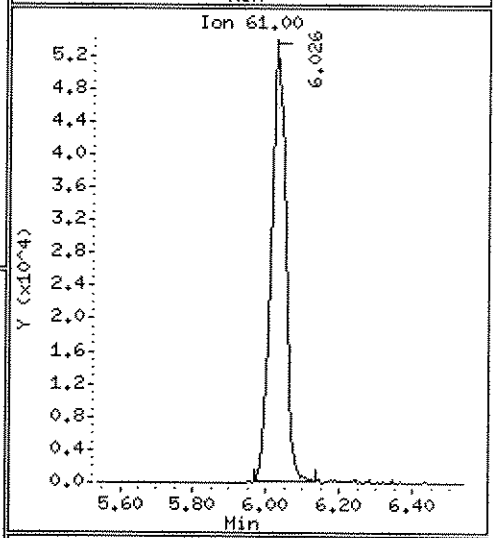


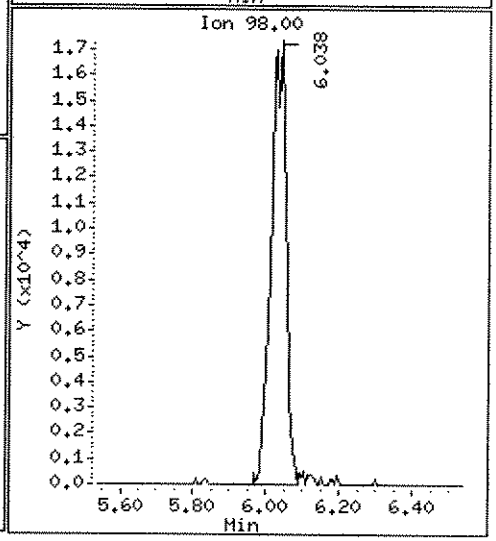






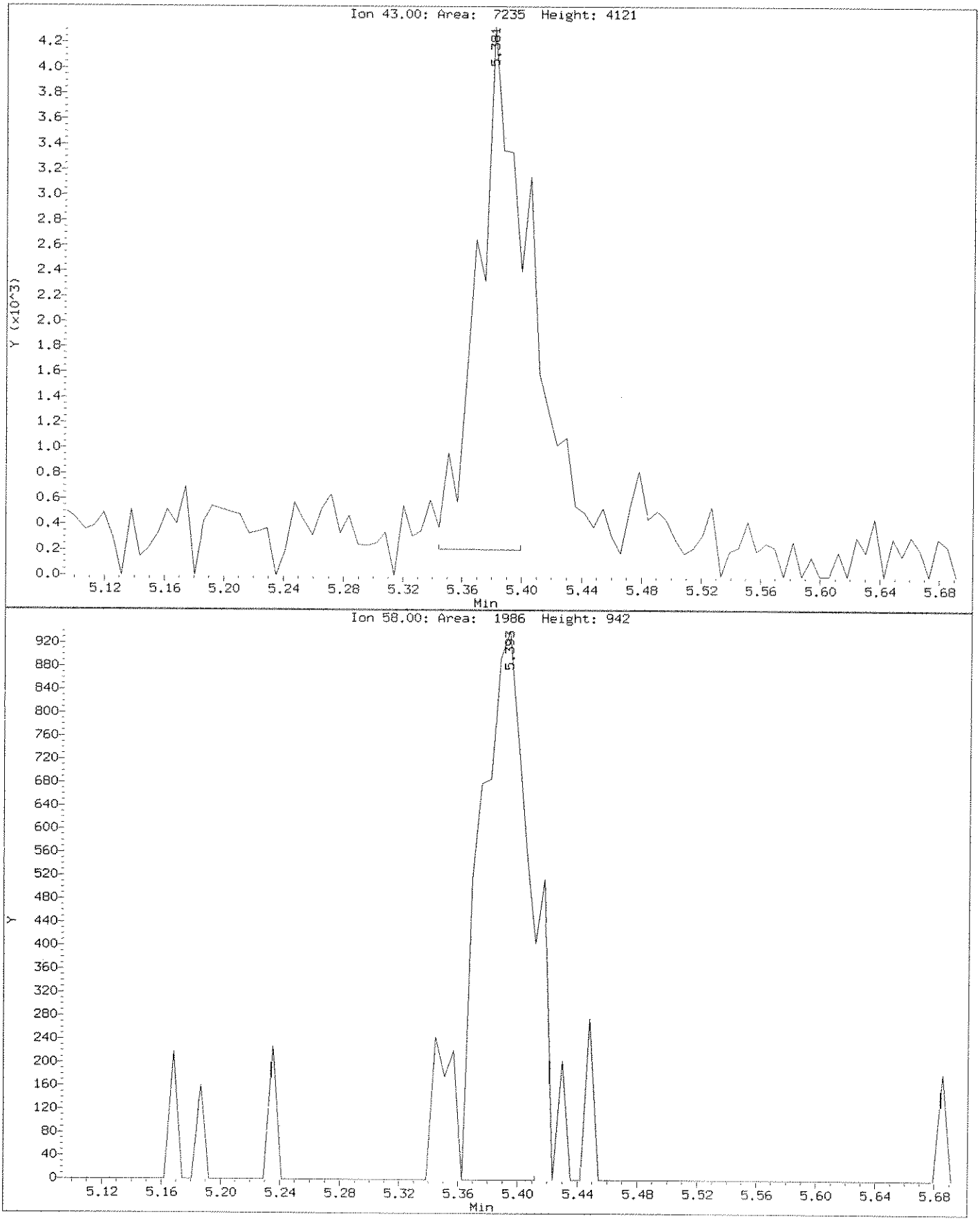






Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121610V3E.b\1212503.D
Injection Date: 17-DEC-2010 06:43
Instrument: voa3.i
Client Sample ID: JAX-MW-780-DUP01-GW

Compound: Acetone
CAS Number: 67-64-1



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

Client ID: JAX-MW-780-DUP01-GW

Instrument: voa3.i

Sample Info: 1012125-03

Purge Volume: 5.0

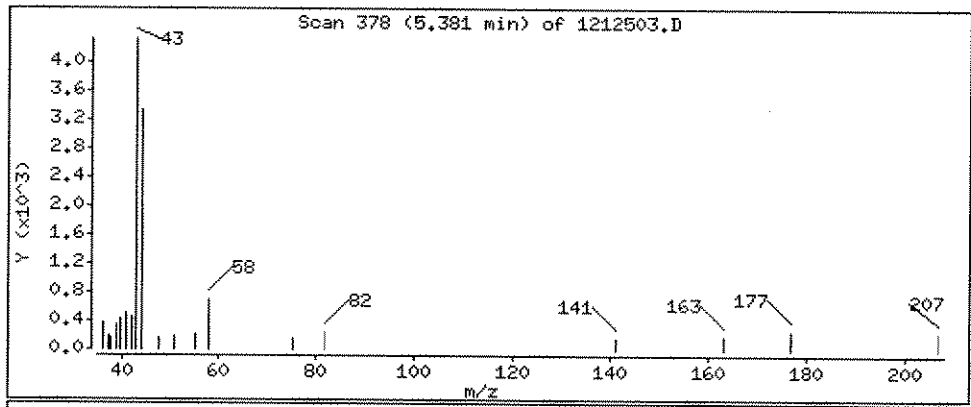
Operator: CLB

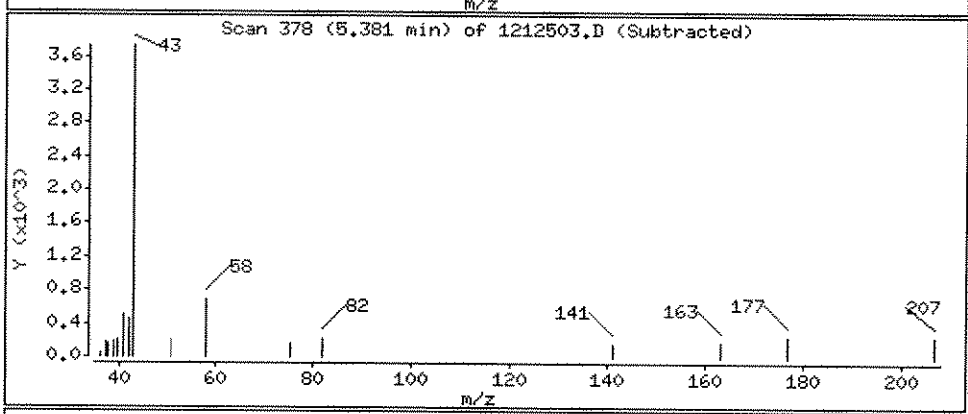
Column phase: RTX-VRX

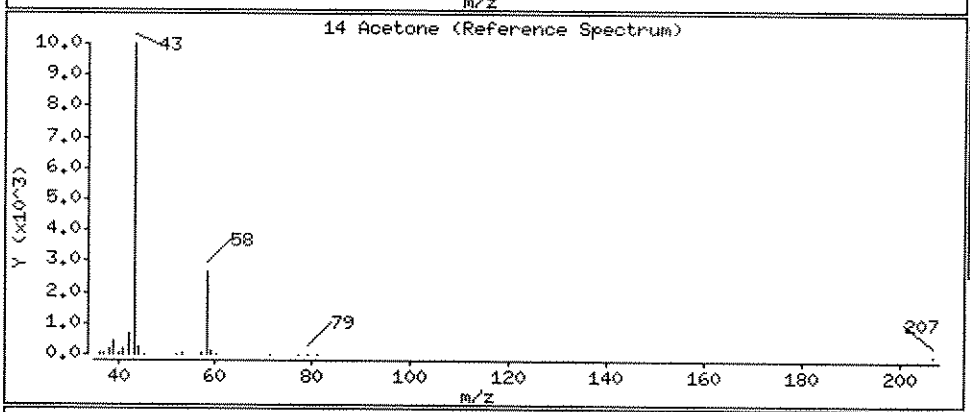
Column diameter: 0.25

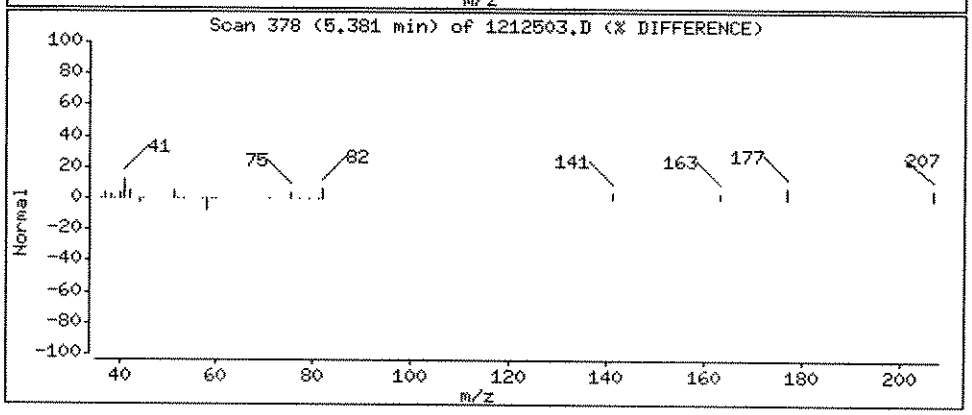
14 Acetone

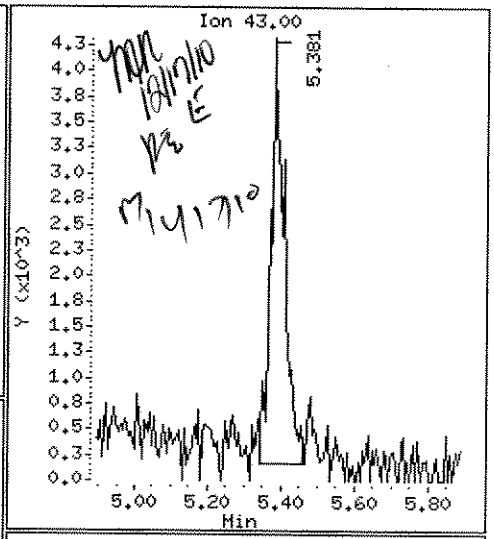
Concentration: 4.312 ug/L

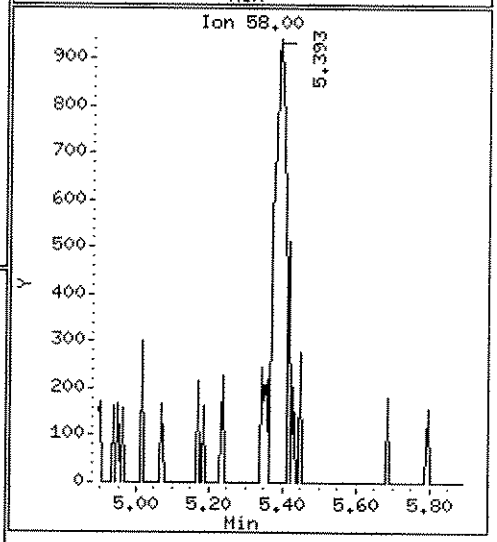












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

Client ID: JAX-MW-780-DUP01-GW

Instrument: voa3.i

Sample Info: 1012125-03

Purge Volume: 5.0

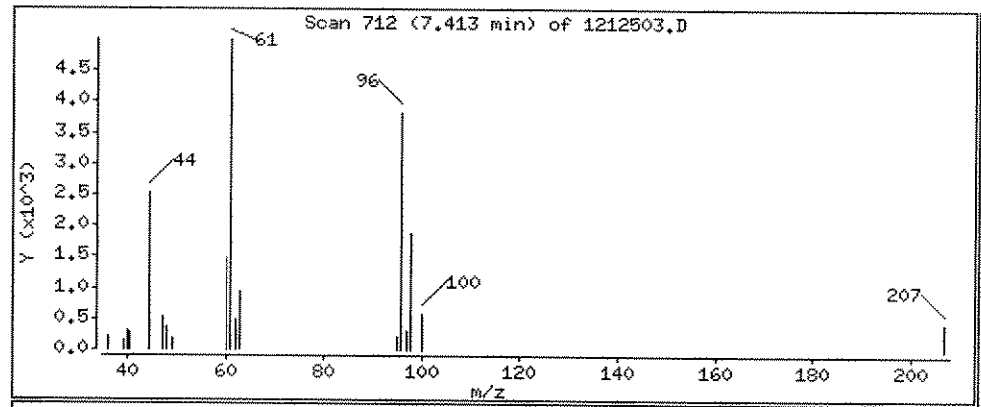
Operator: CLB

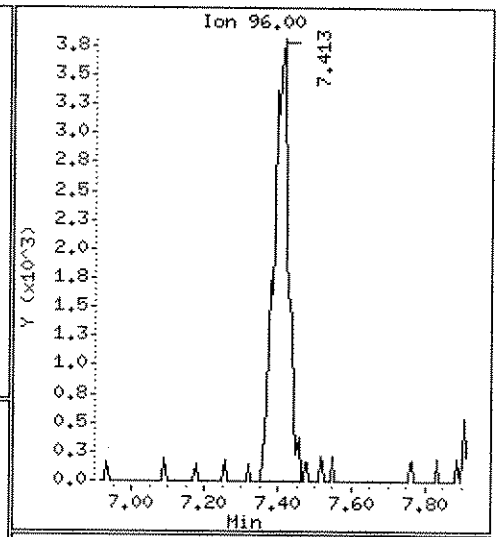
Column phase: RTX-VRX

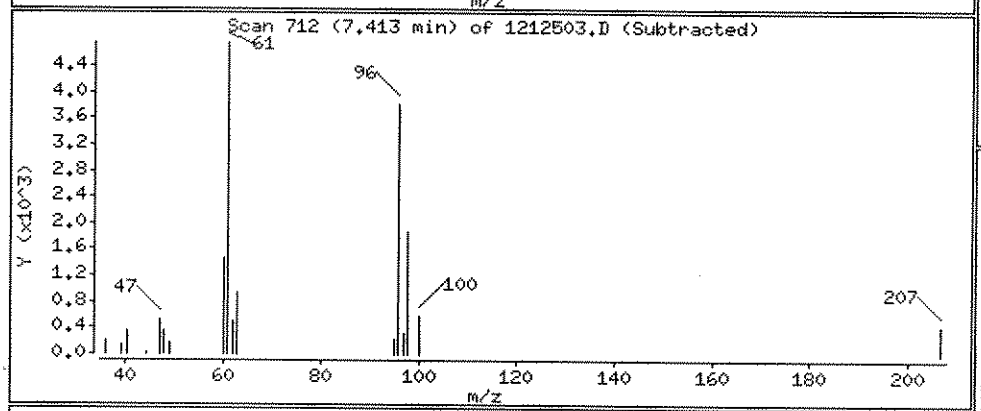
Column diameter: 0.25

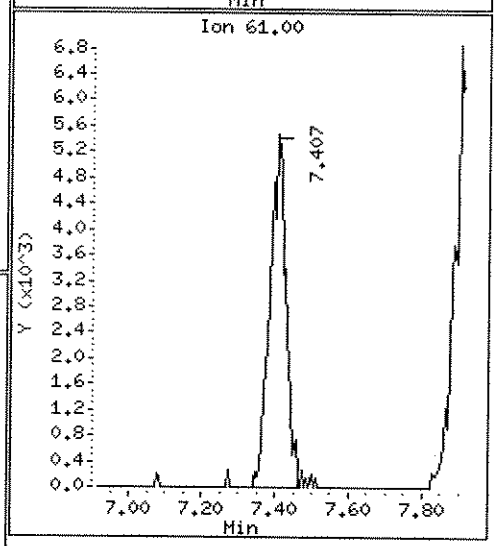
32 trans-1,2-Dichloroethene

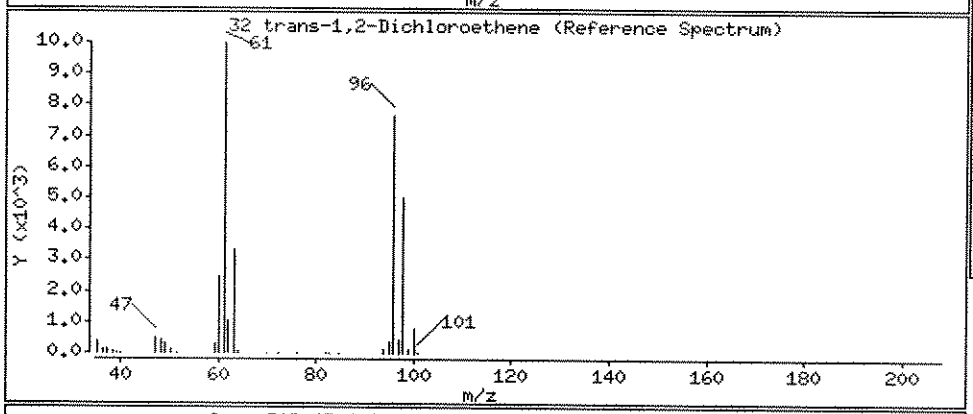
Concentration: 1.406 ug/L

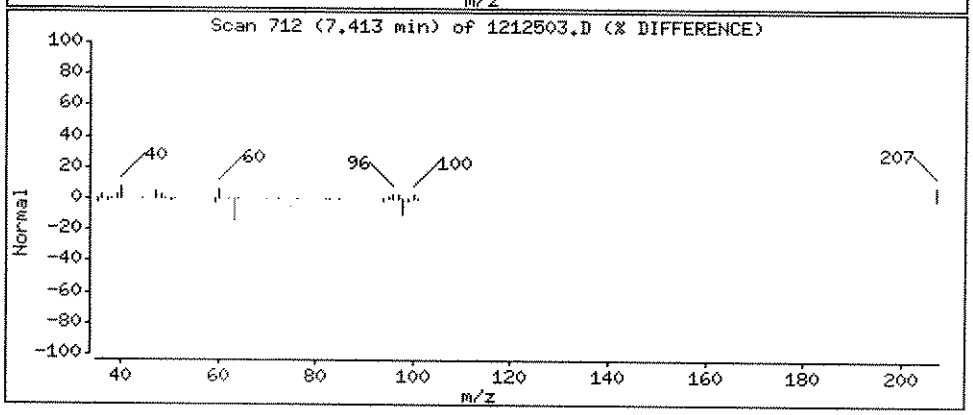












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

Client ID: JAX-MW-780-DUP01-GW

Instrument: voa3.i

Sample Info: 1012125-03

Purge Volume: 5.0

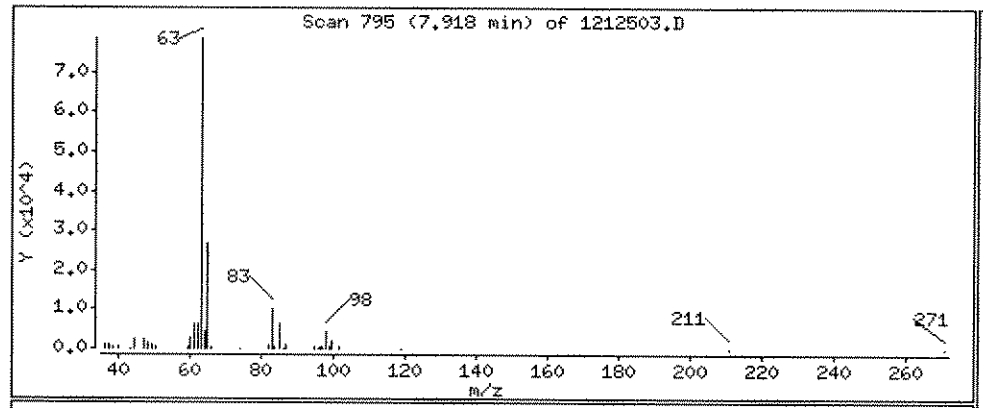
Operator: CLB

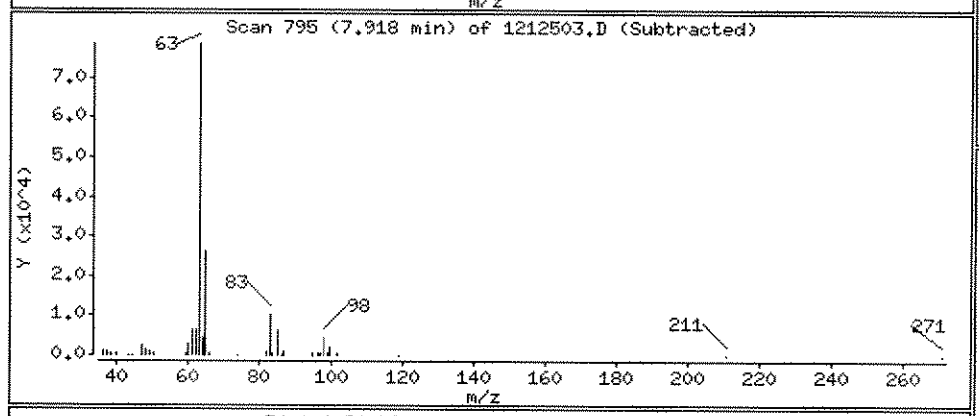
Column phase: RTX-VRX

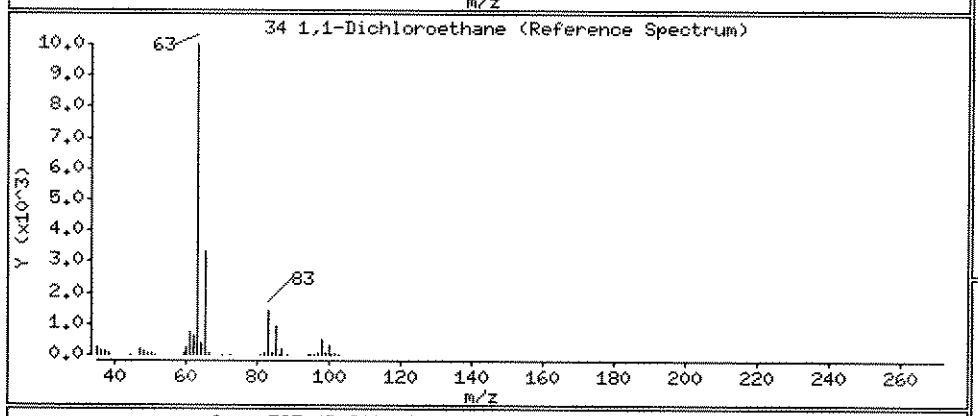
Column diameter: 0.25

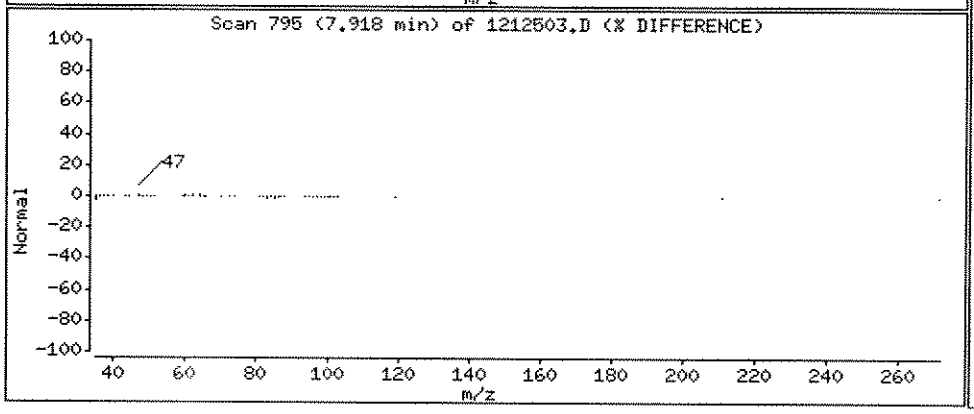
34 1,1-Dichloroethane

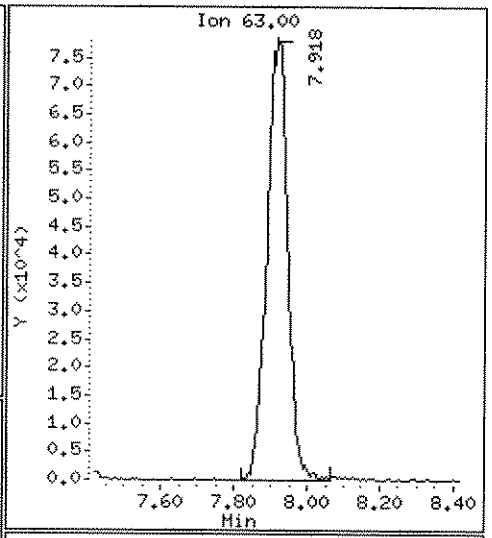
Concentration: 23.07 ug/L

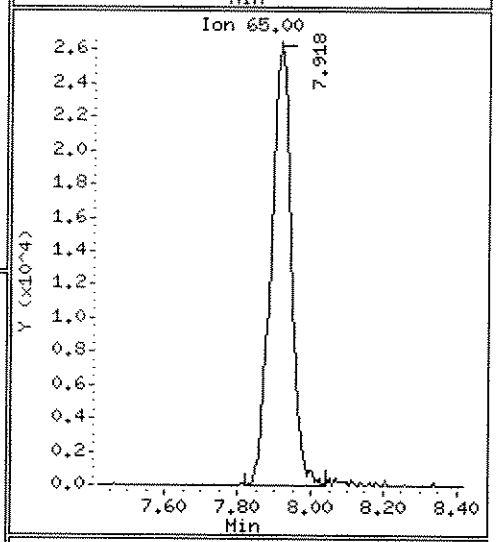


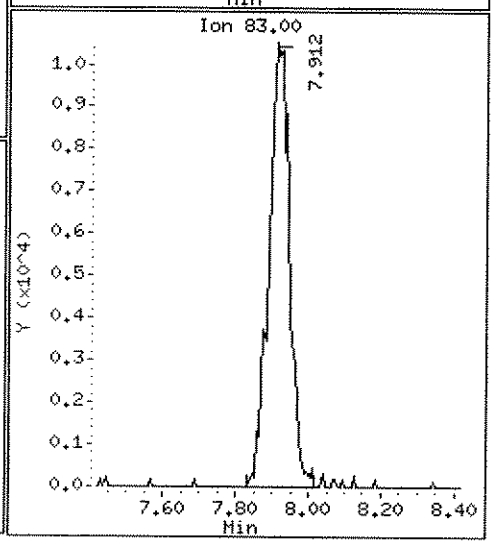












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

Client ID: JAX-HW-780-DUP01-GW

Instrument: voa3.i

Sample Info: 1012125-03

Purge Volume: 5.0

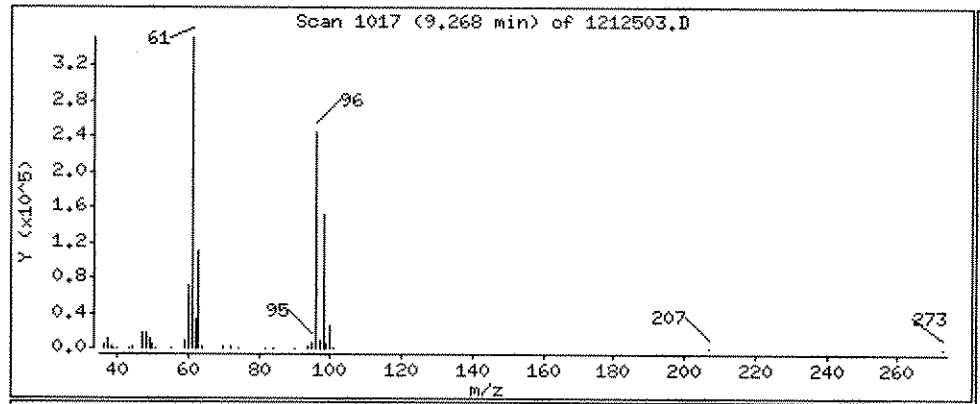
Operator: CLB

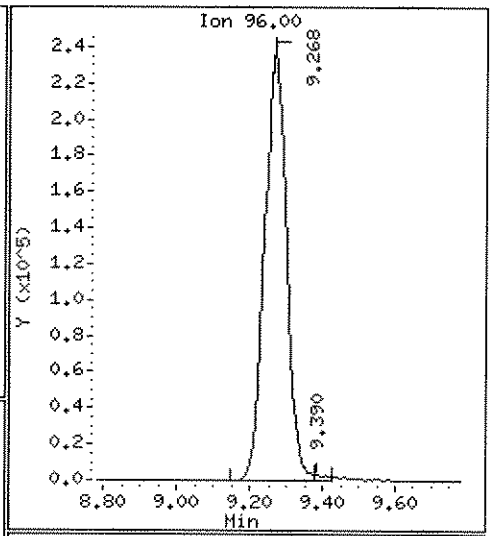
Column phase: RTX-VRX

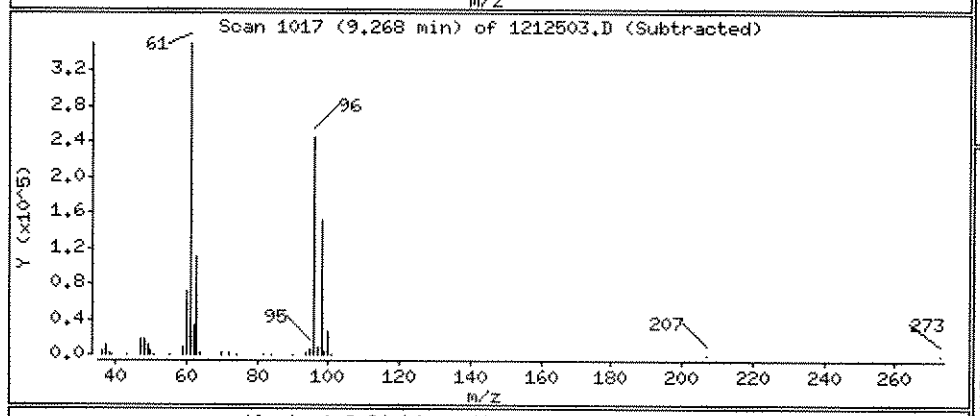
Column diameter: 0.25

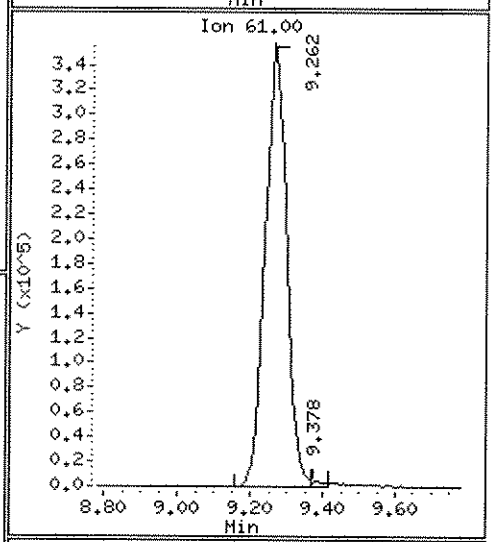
46 cis-1,2-Dichloroethene

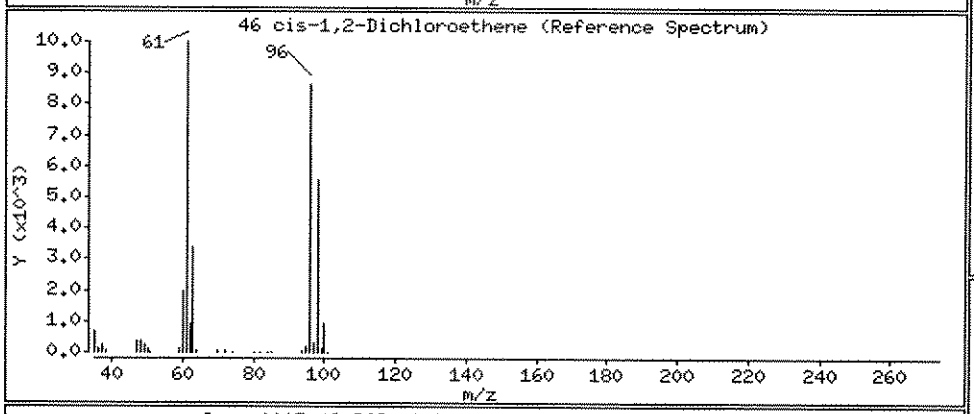
Concentration: 126.3 ug/L

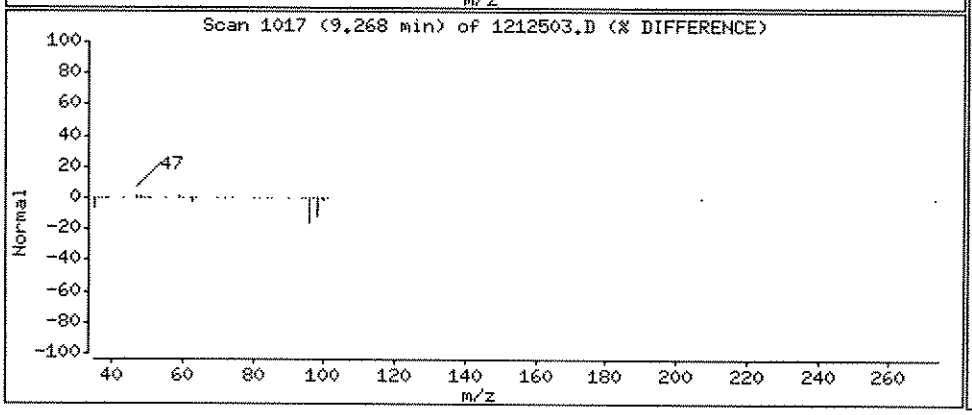


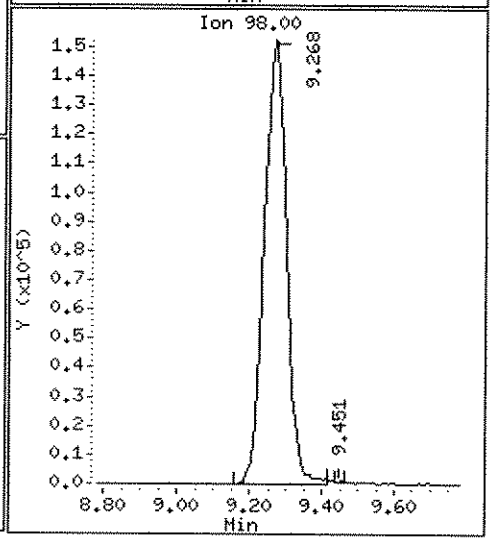






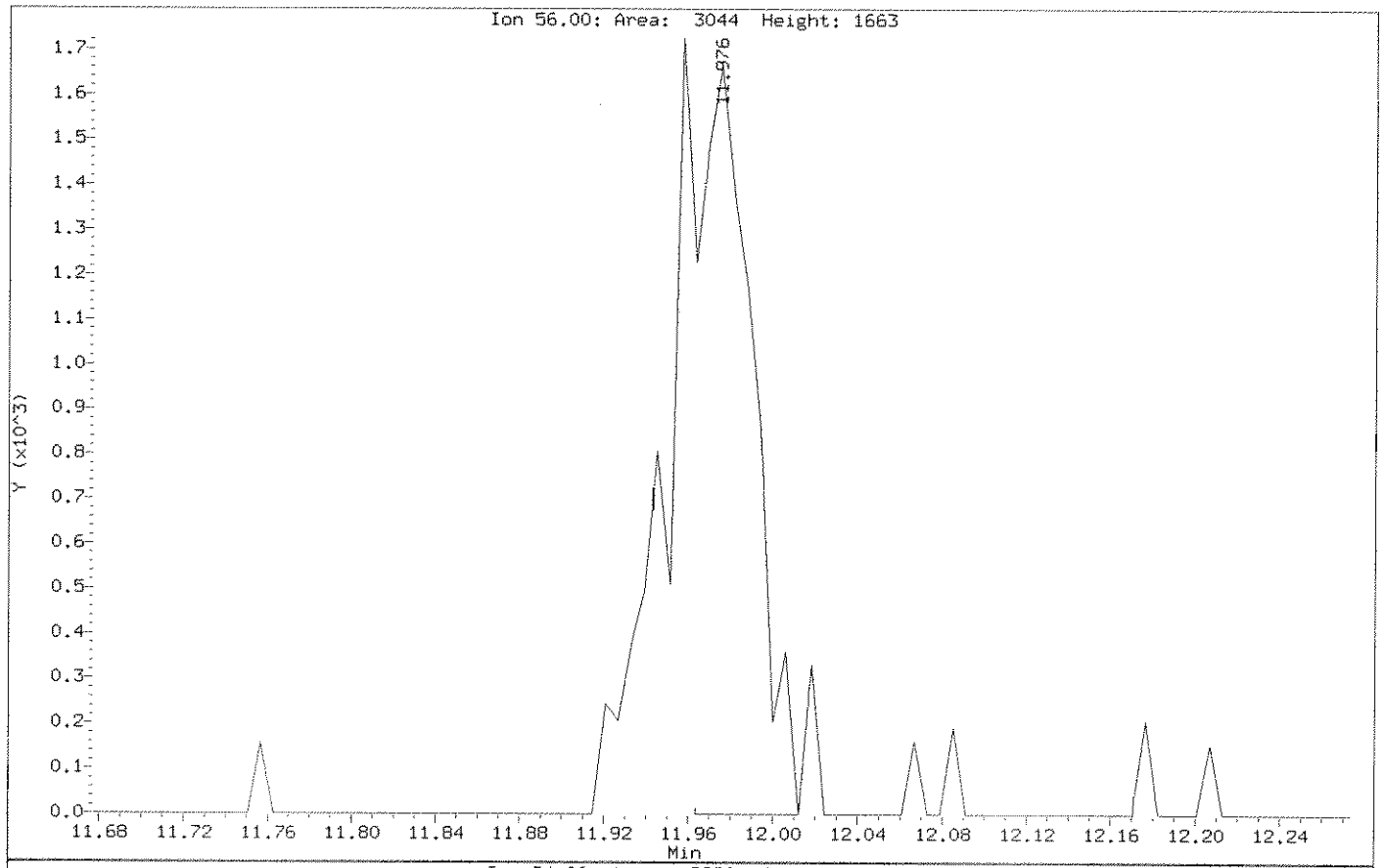


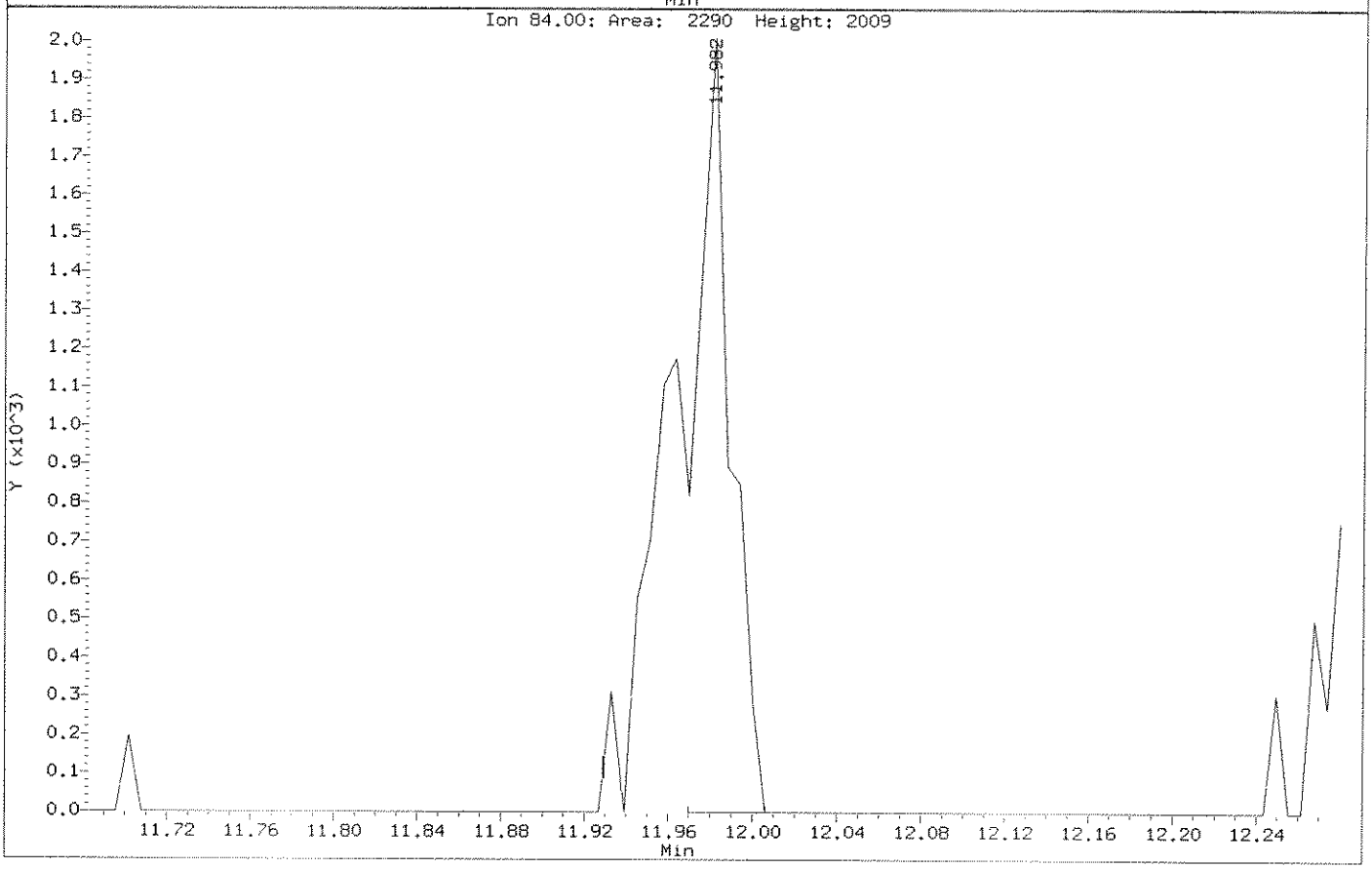




Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D
Injection Date: 17-DEC-2010 06:43
Instrument: voa3.i
Client Sample ID: JAX-MW-780-DUP01-GW

Compound: Cyclohexane
CAS Number: 110-82-7





Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

Client ID: JAX-MW-780-DUP01-GW

Instrument: voa3.i

Sample Info: 1012125-03

Purge Volume: 5.0

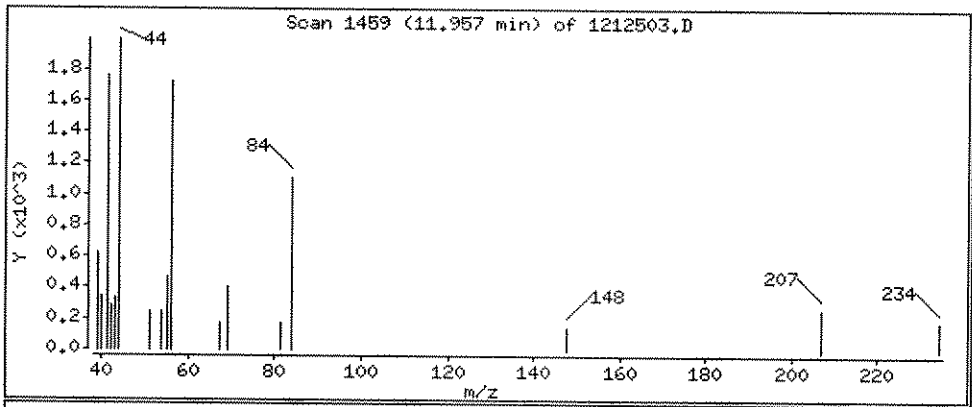
Operator: CLB

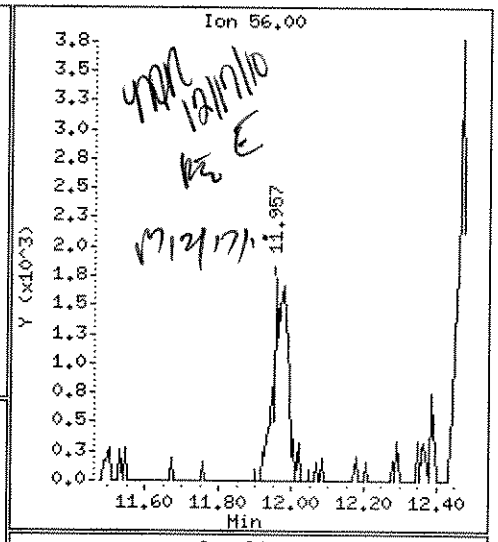
Column phase: RTX-VRX

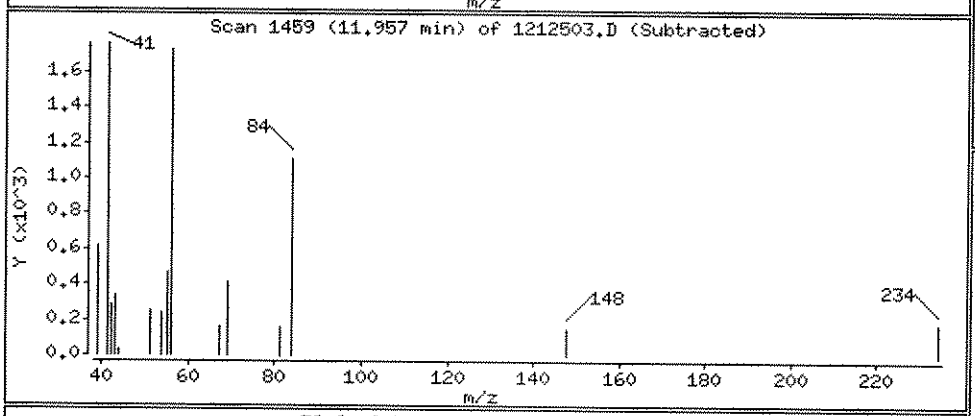
Column diameter: 0.25

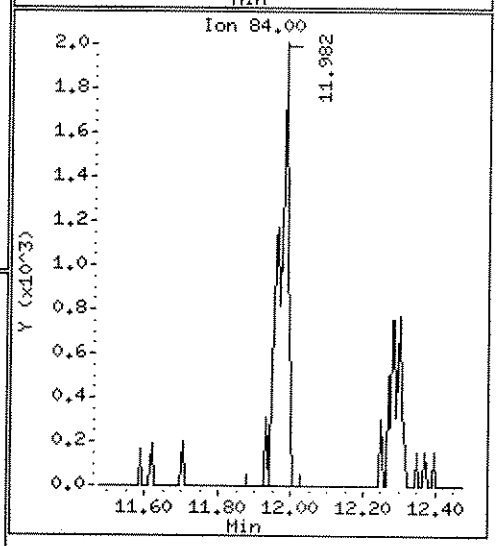
59 Cyclohexane

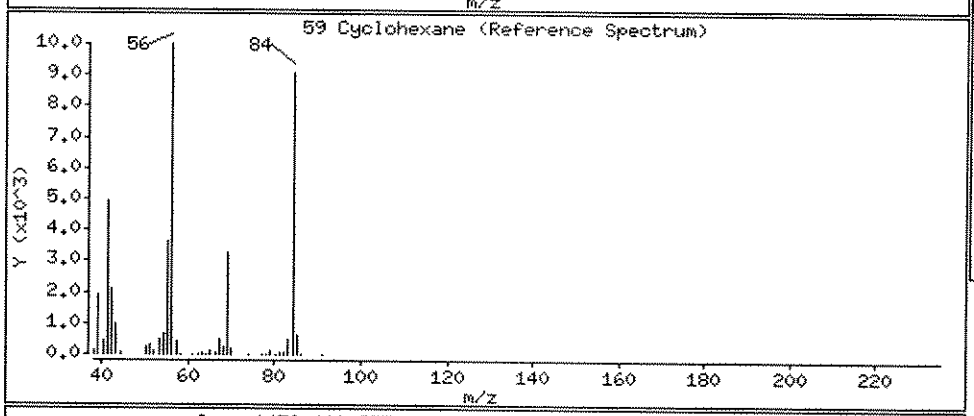
Concentration: 0.3918 ug/L

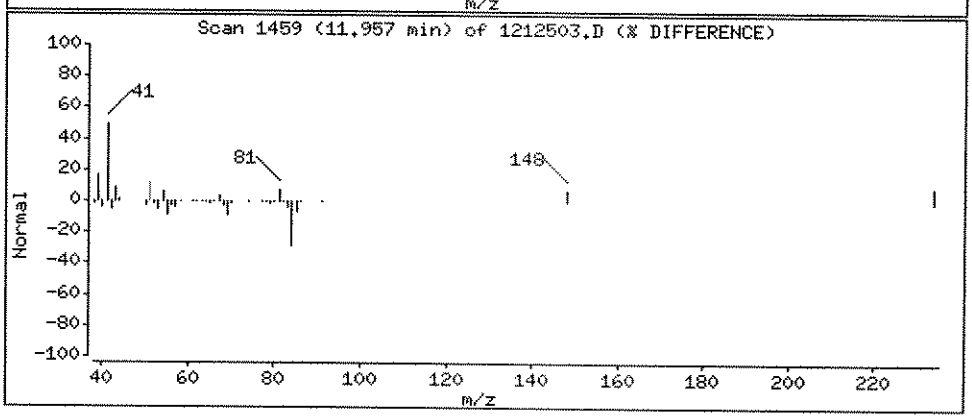












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

Client ID: JAX-MW-780-DUP01-GW

Instrument: voa3.i

Sample Info: 1012125-03

Purge Volume: 5.0

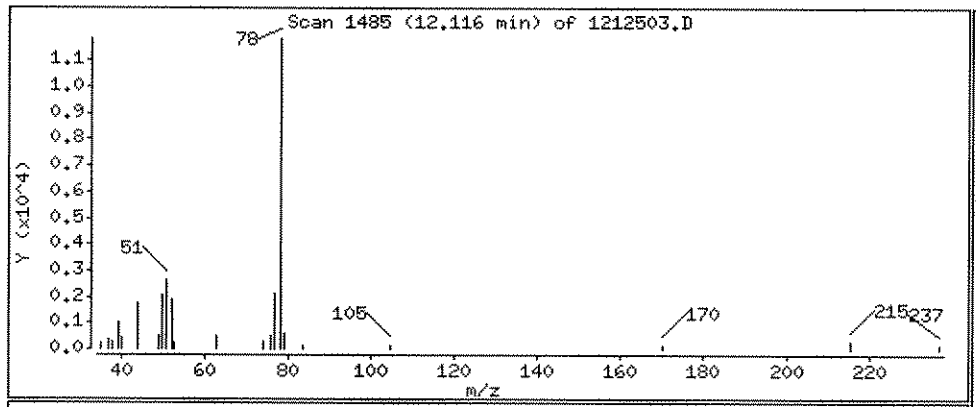
Operator: CLB

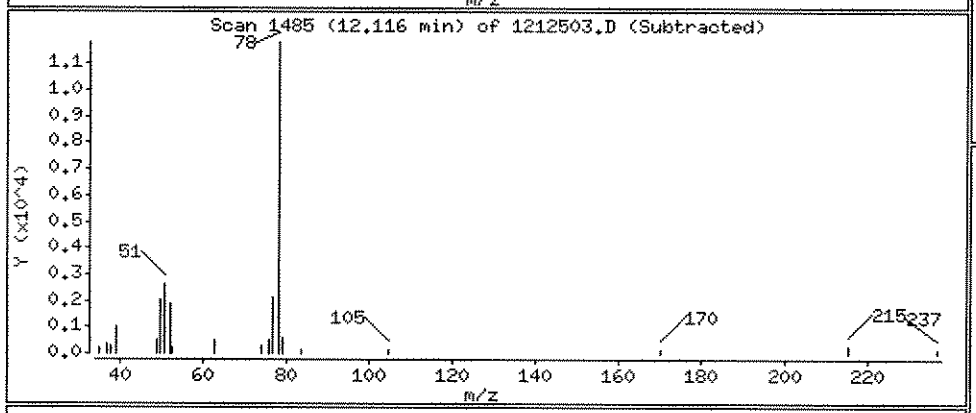
Column phase: RTX-VRX

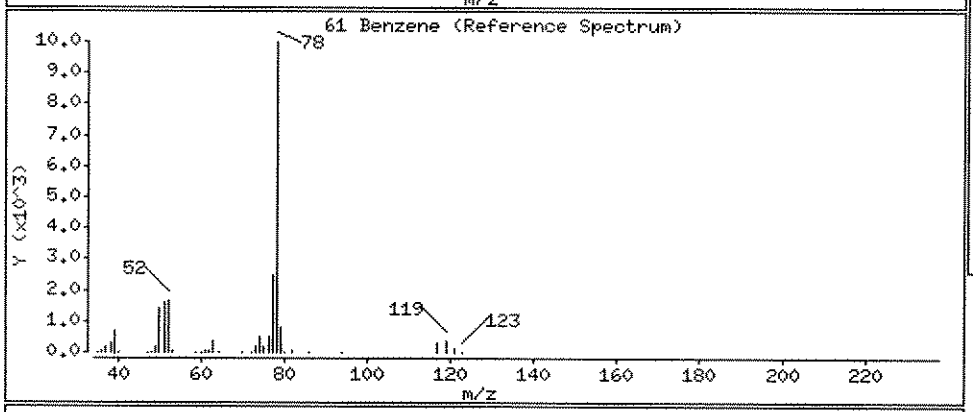
Column diameter: 0.25

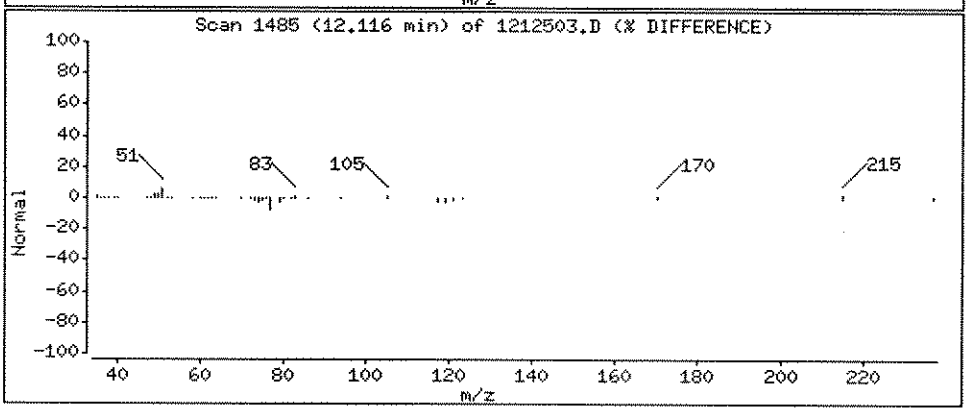
61 Benzene

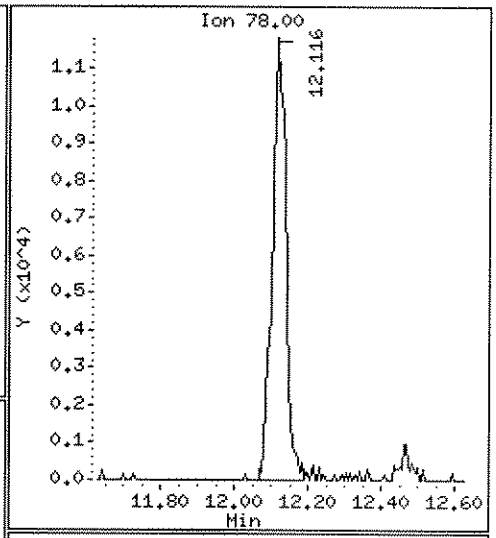
Concentration: 1.004 ug/L

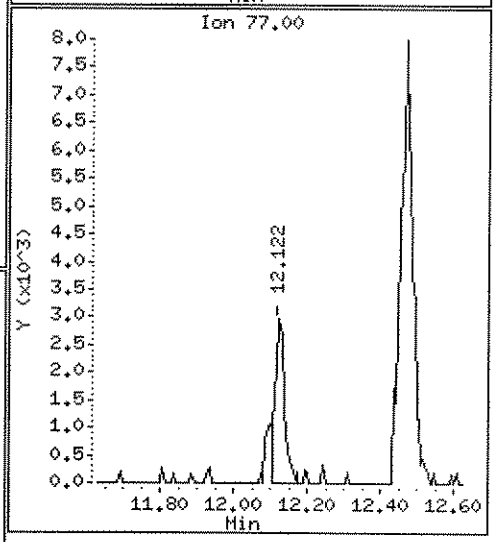












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

Client ID: JAX-MW-780-DUP01-GW

Instrument: voa3.i

Sample Info: 1012125-03

Purge Volume: 5.0

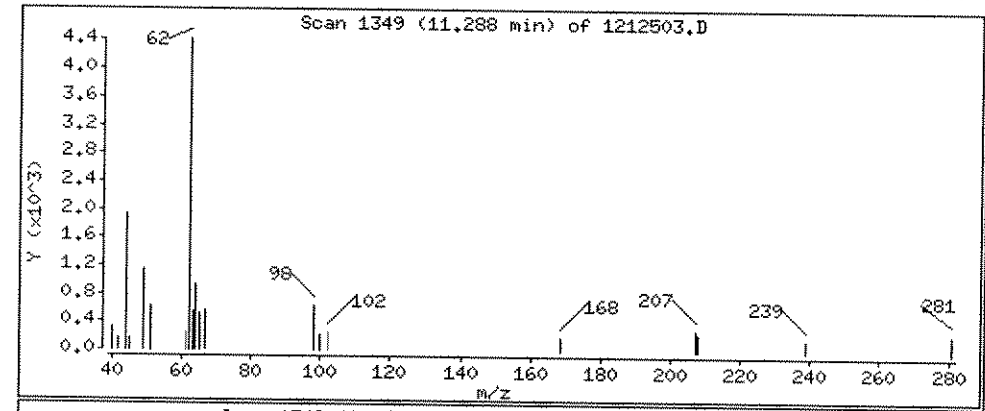
Operator: CLB

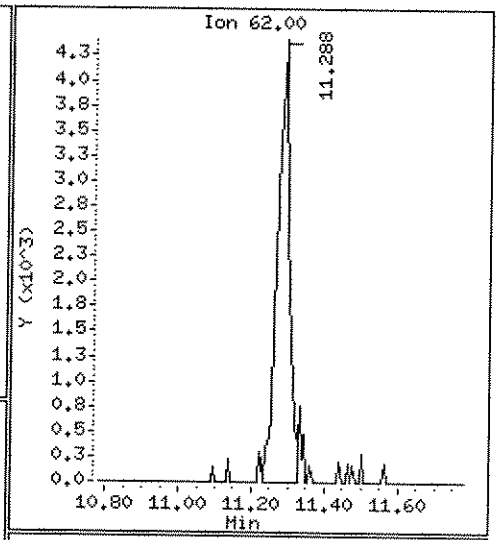
Column phase: RTX-VRX

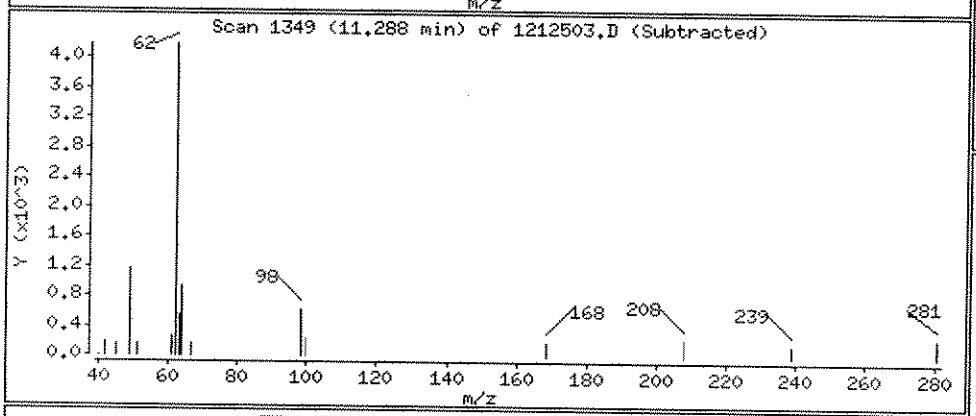
Column diameter: 0.25

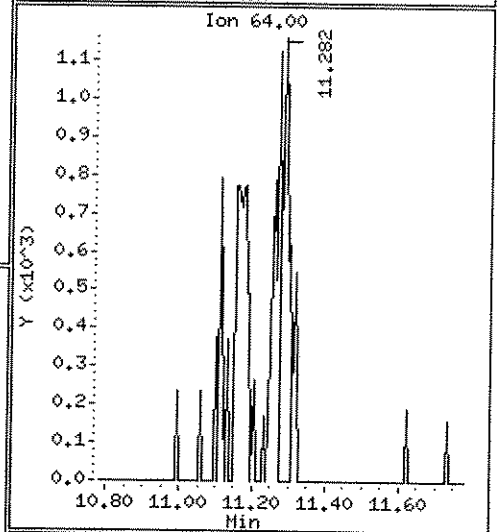
55 1,2-Dichloroethane

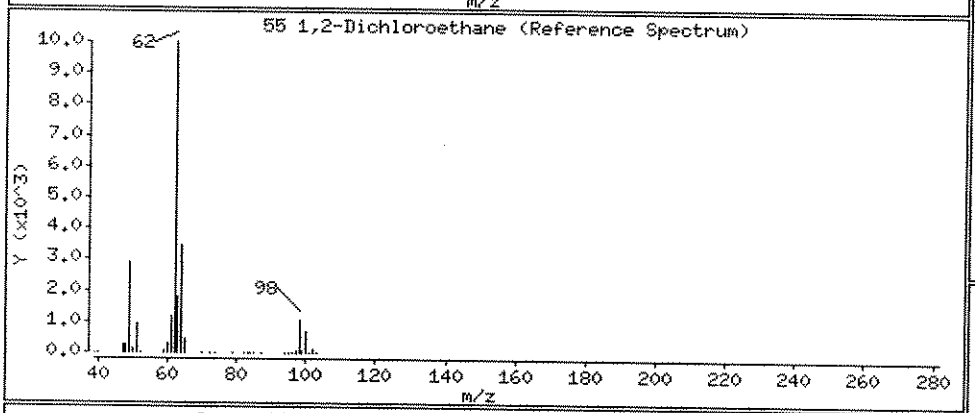
Concentration: 0.8113 ug/L

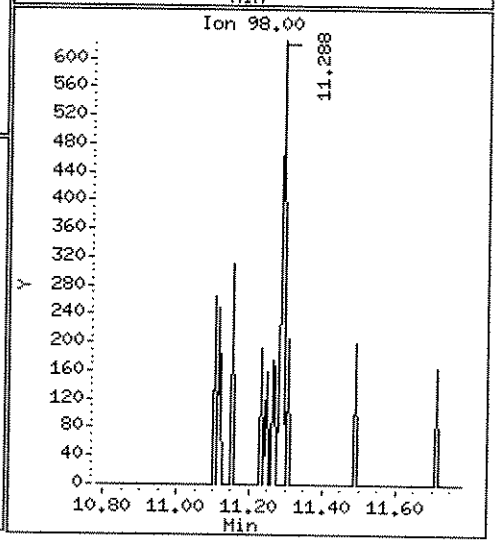


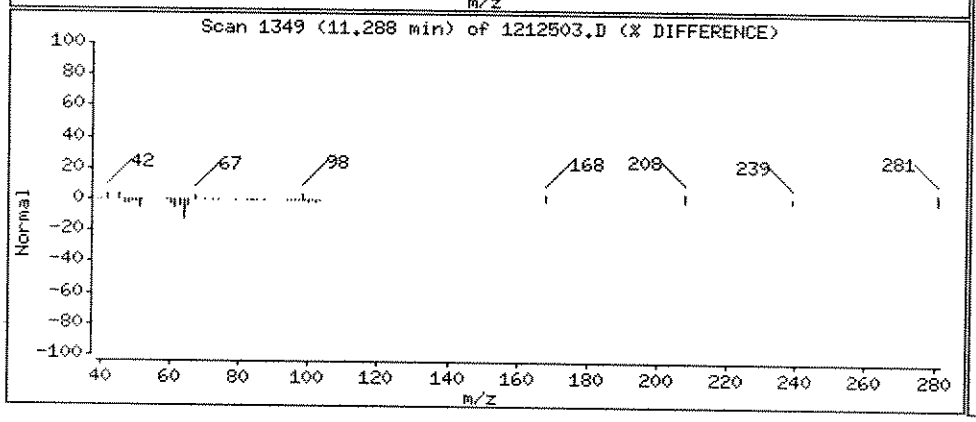












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

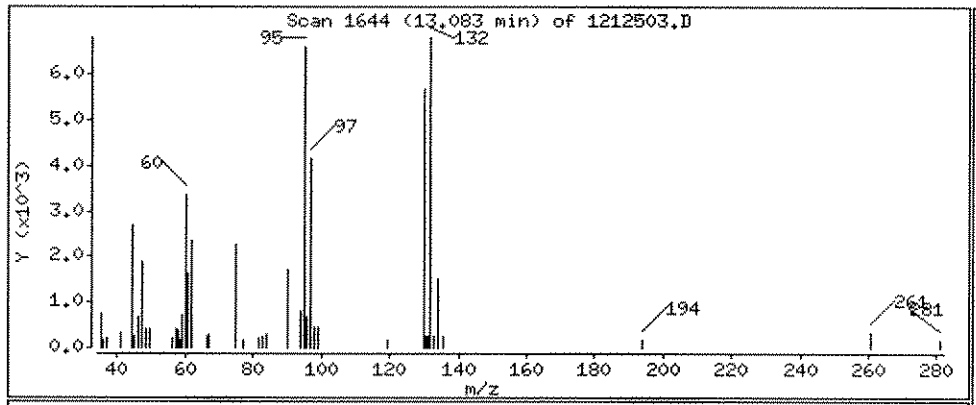
Client ID: JAX-HW-780-DUP01-GW | Instrument: voa3.i

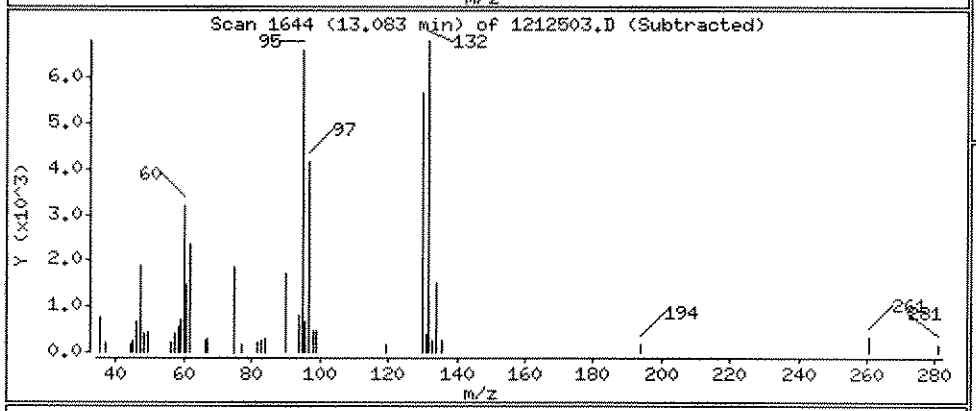
Sample Info: 1012125-03

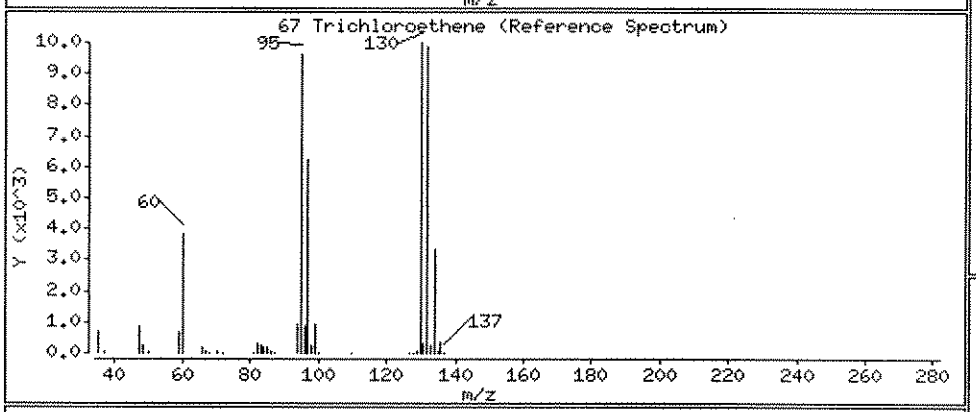
Purge Volume: 5.0 | Operator: CLB

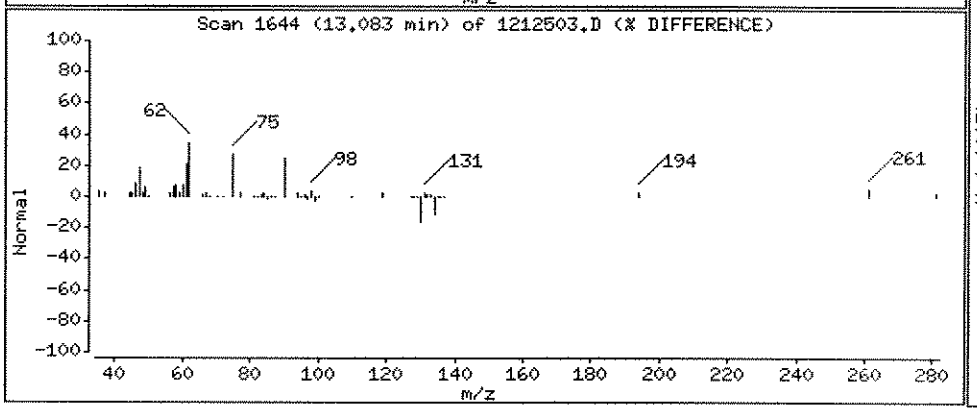
Column phase: RTX-VRX | Column diameter: 0.25

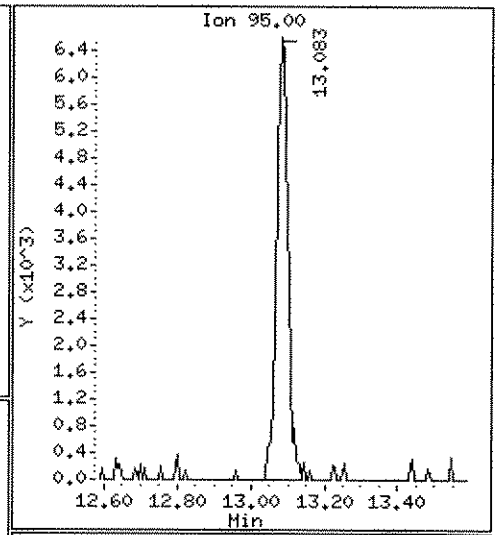
67 Trichloroethene | Concentration: 1.582 ug/L

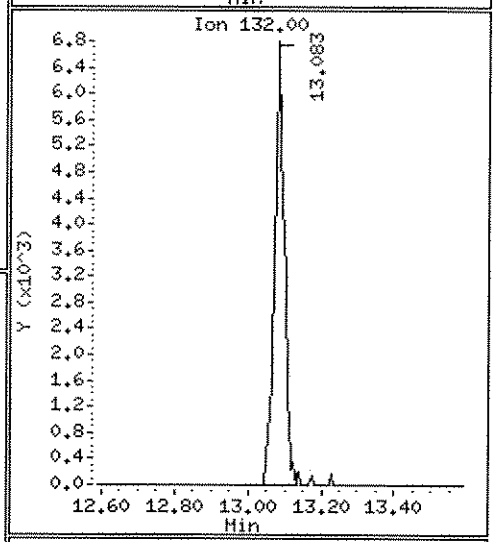


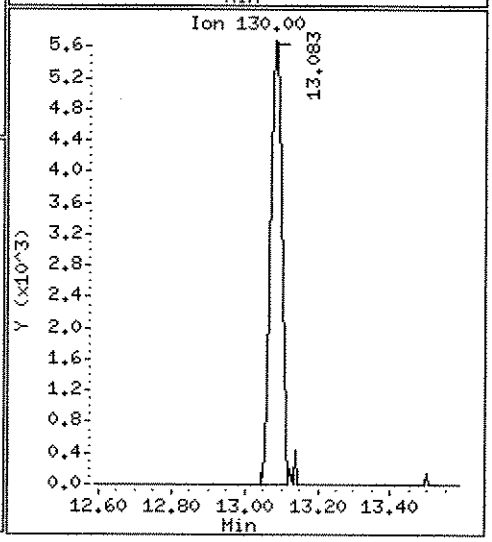






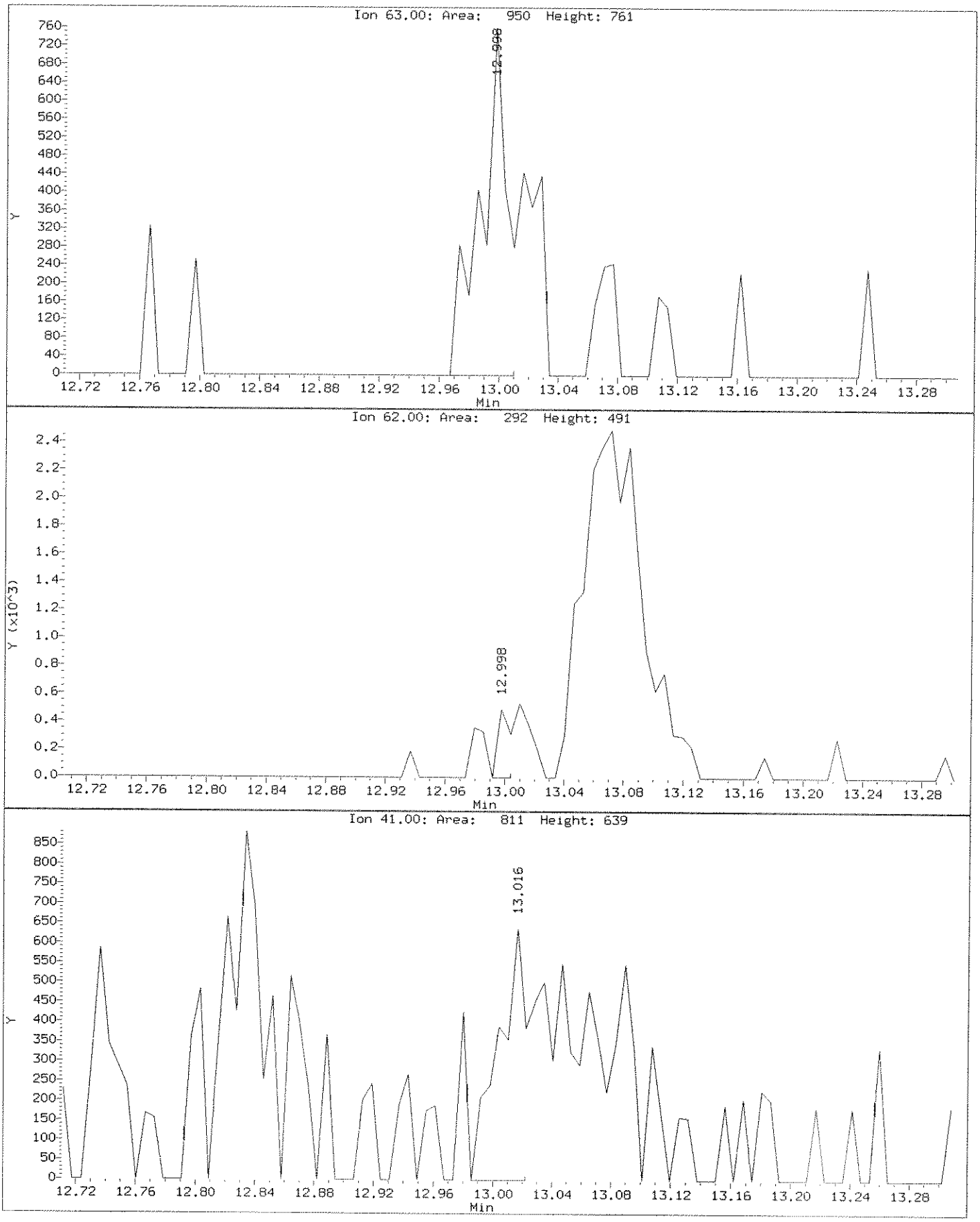






Data File: \\ELABNSHO5\TARGET\chem\voa3.i\121610V3E.b\1212503.D
Injection Date: 17-DEC-2010 06:43
Instrument: voa3.i
Client Sample ID: JAX-MW-780-DUP01-GW

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

Client ID: JAX-MW-780-DUP01-GW

Instrument: voa3.i

Sample Info: 1012125-03

Purge Volume: 5.0

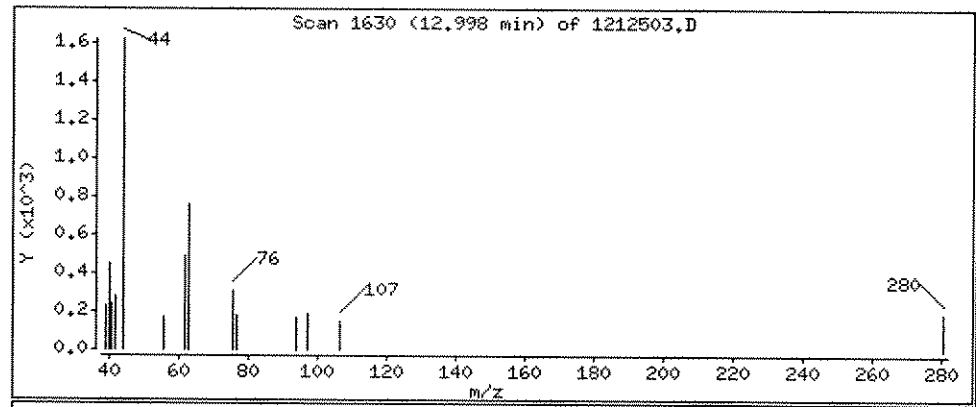
Operator: CLB

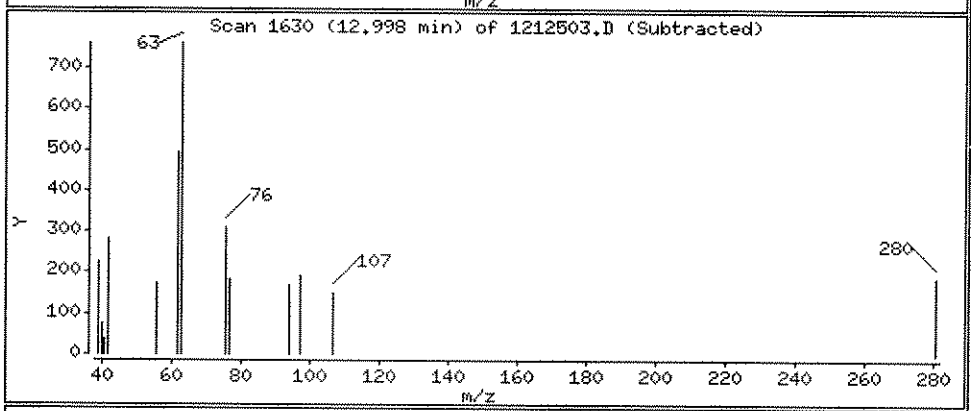
Column phase: RTX-VRX

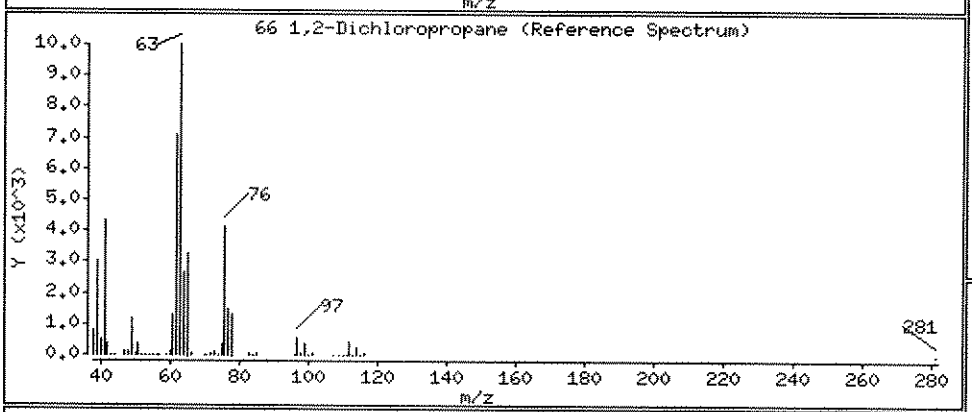
Column diameter: 0.25

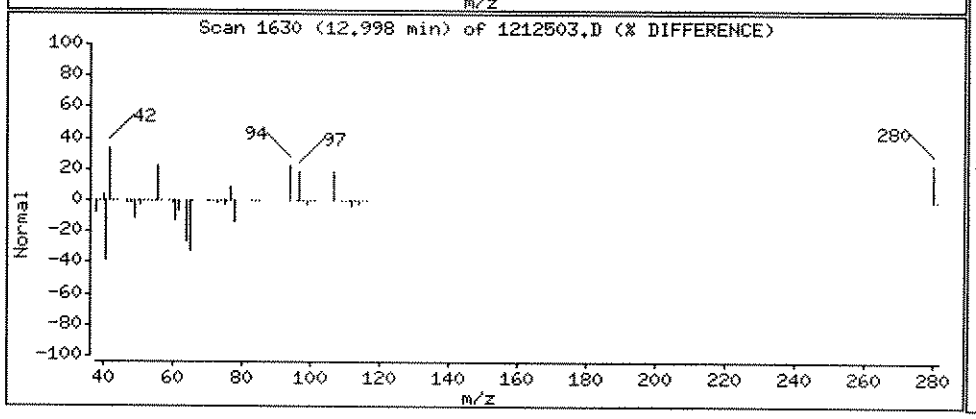
66 1,2-Dichloropropane

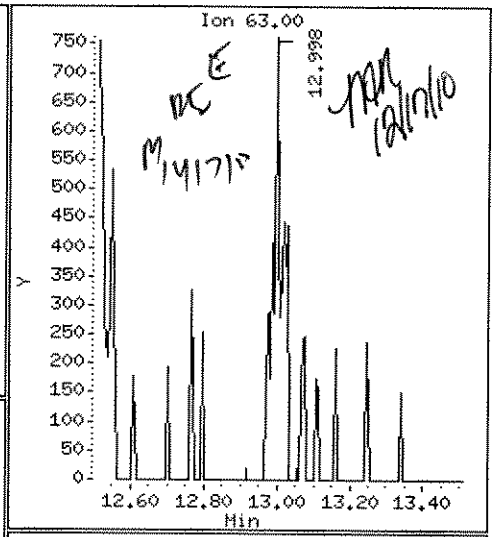
Concentration: 0.1728 ug/L

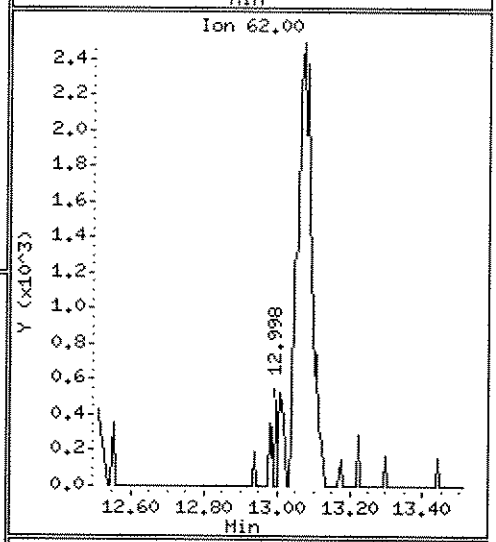


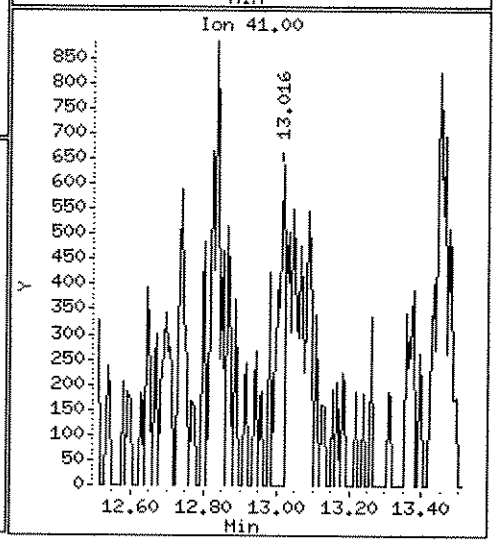






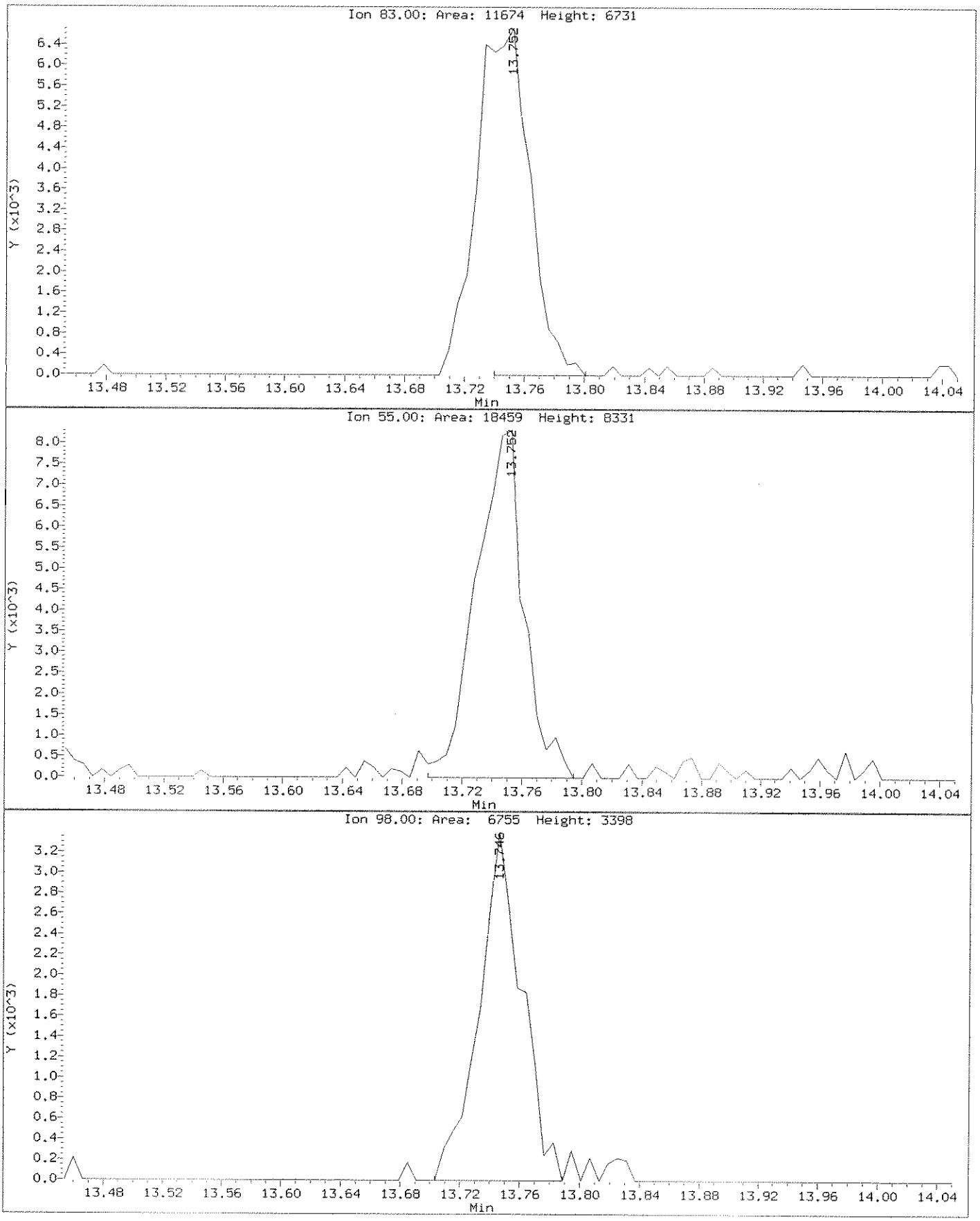






Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D
Injection Date: 17-DEC-2010 06:43
Instrument: voa3.i
Client Sample ID: JAX-MW-780-DUP01-GW

Compound: Methyl cyclohexane
CAS Number: 108-87-2



Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

Client ID: JAX-MW-780-DUP01-GW

Instrument: voa3.i

Sample Info: 1012125-03

Purge Volume: 5.0

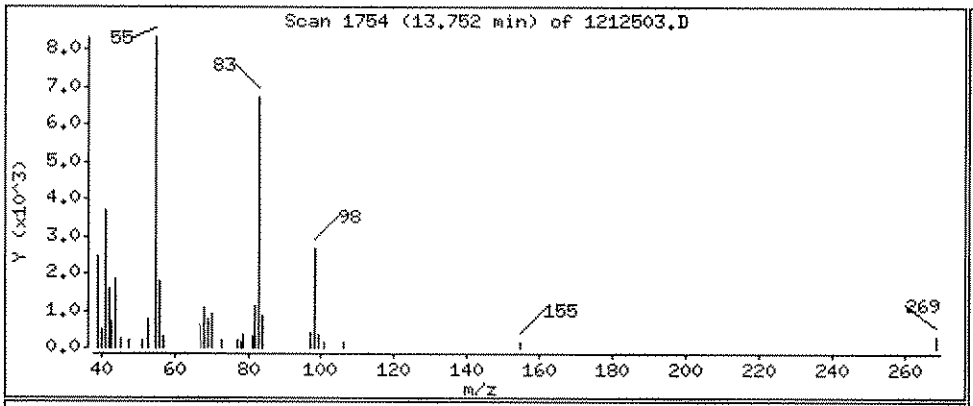
Operator: CLB

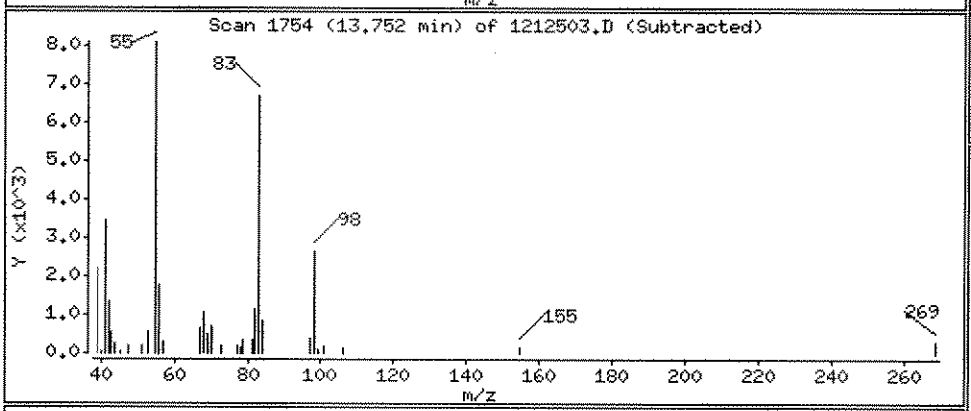
Column phase: RTX-VRX

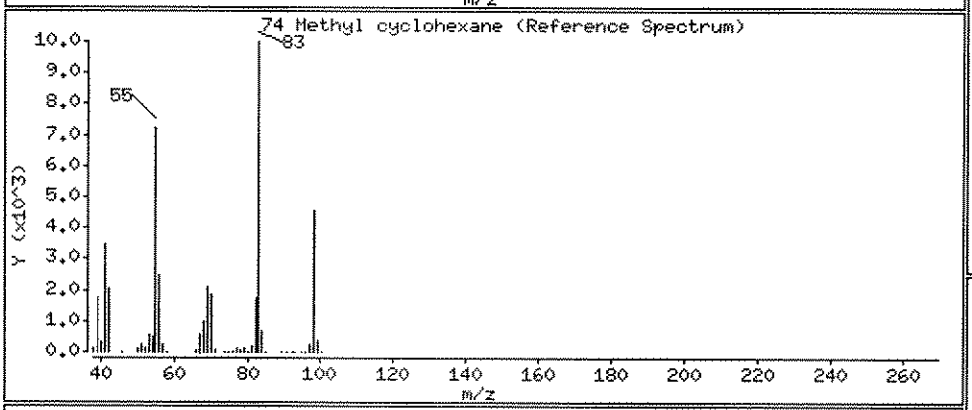
Column diameter: 0.25

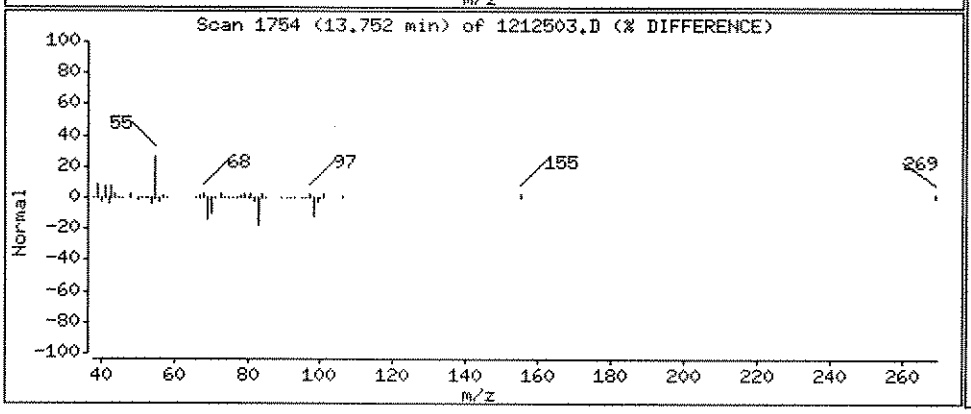
74 Methyl cyclohexane

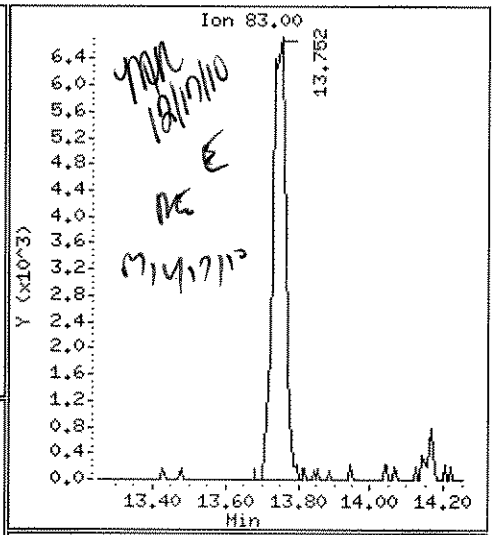
Concentration: 1.657 ug/L

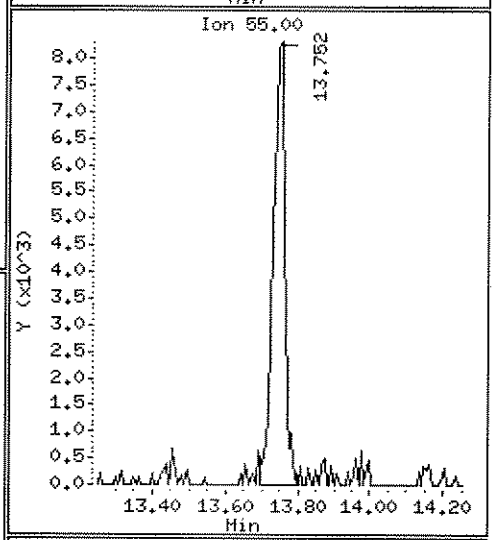


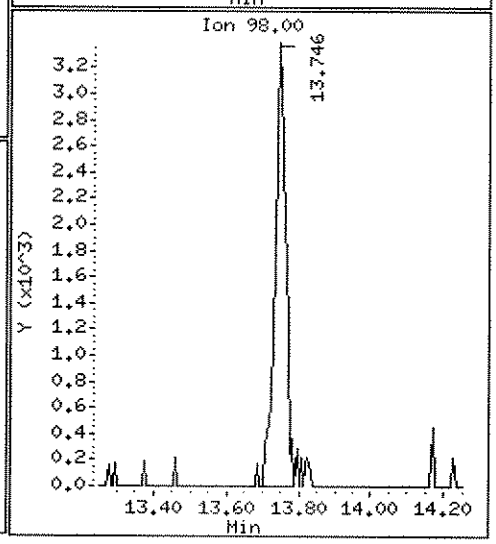












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

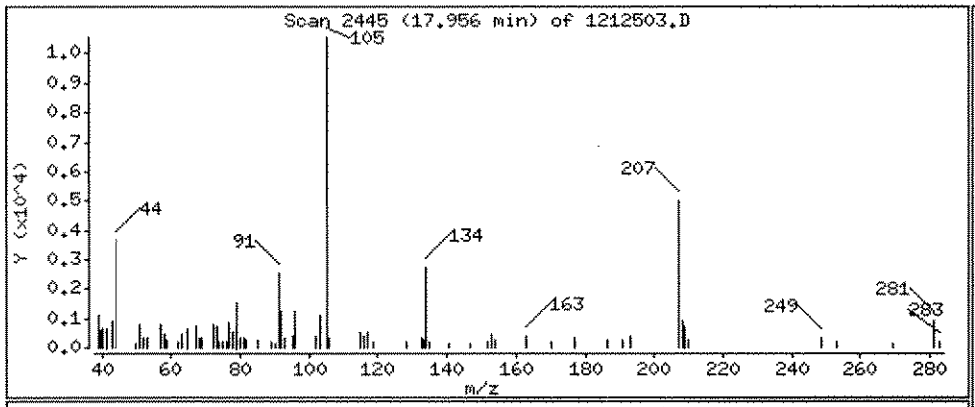
Client ID: JAX-MW-780-DUP01-GW | Instrument: voa3.i

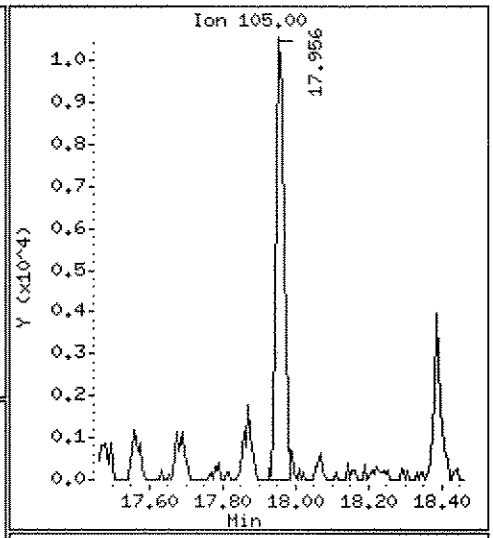
Sample Info: 1012125-03

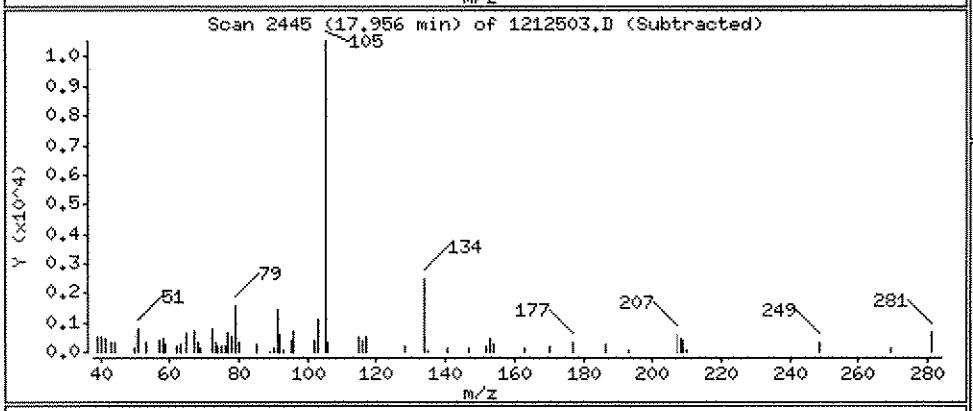
Purge Volume: 5.0 | Operator: CLB

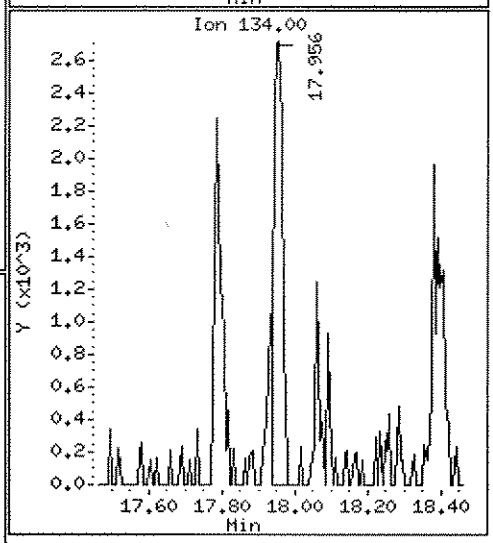
Column phase: RTX-VRX | Column diameter: 0.25

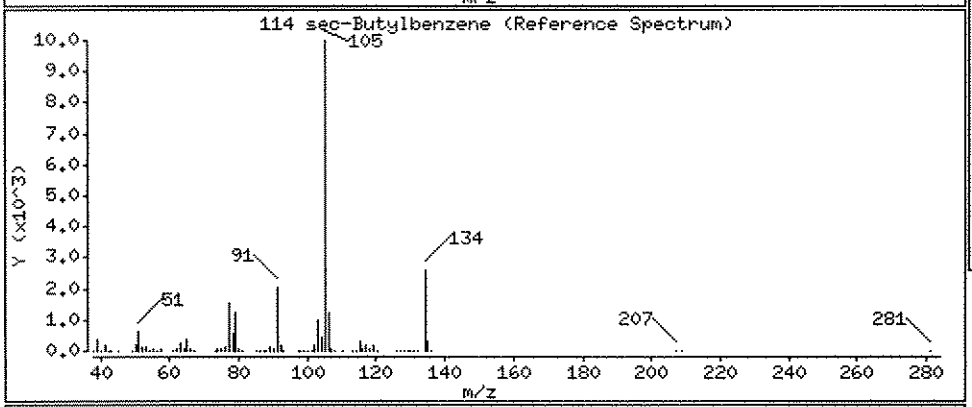
114 sec-Butylbenzene | Concentration: 0.3750 ug/L

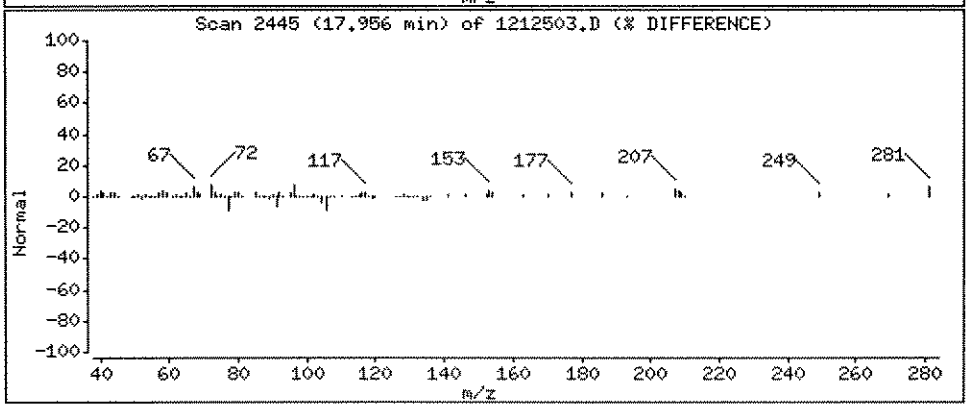












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

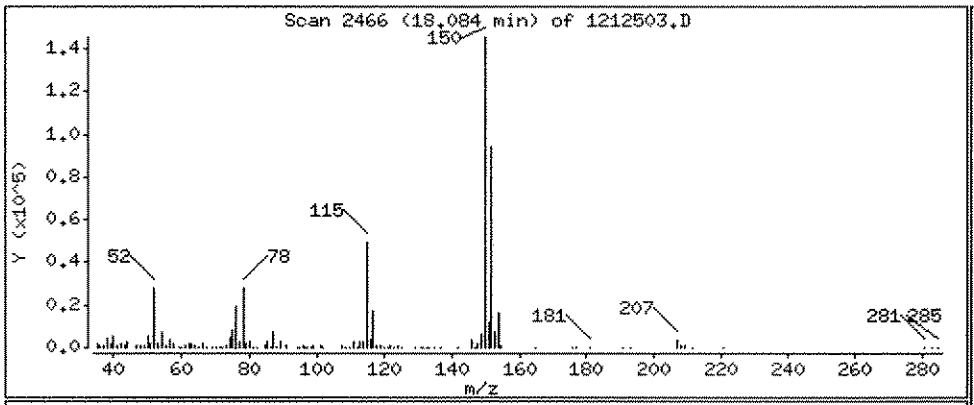
Client ID: JAX-MW-780-DUP01-GW | Instrument: voa3.i

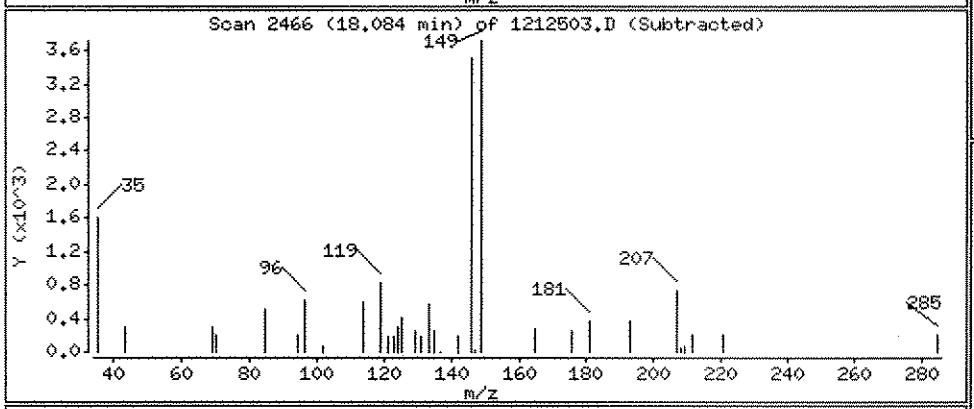
Sample Info: 1012125-03

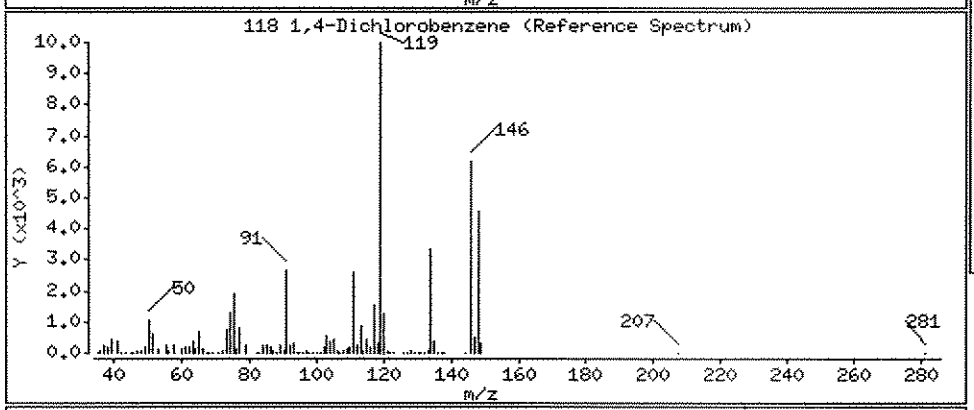
Purge Volume: 5.0 | Operator: CLB

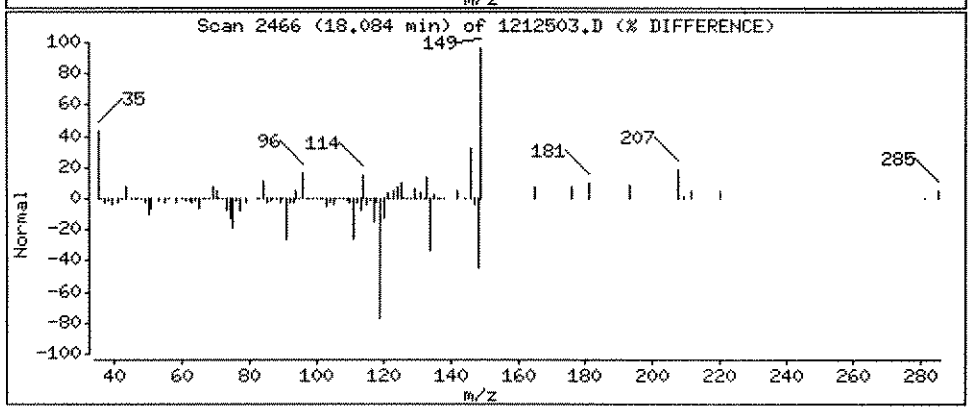
Column phase: RTX-VRX | Column diameter: 0.25

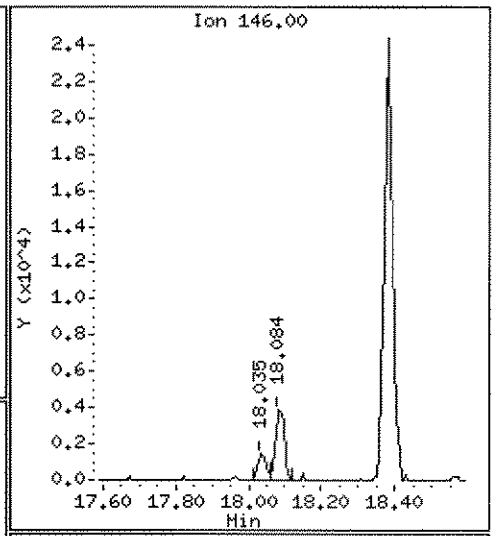
118 1,4-Dichlorobenzene | Concentration: 0.2894 ug/L

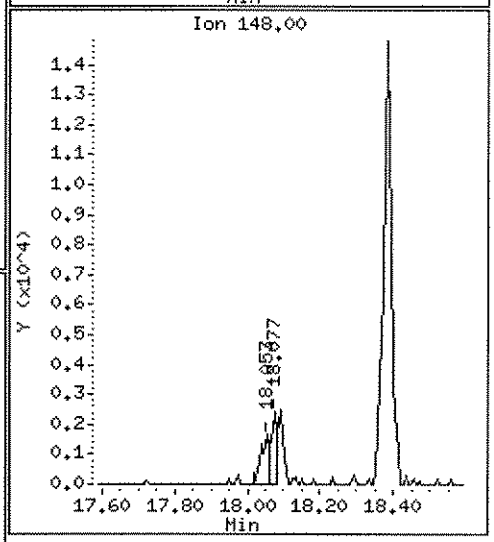












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

Client ID: JAX-MW-780-DUP01-GW

Instrument: voa3.i

Sample Info: 1012125-03

Purge Volume: 5.0

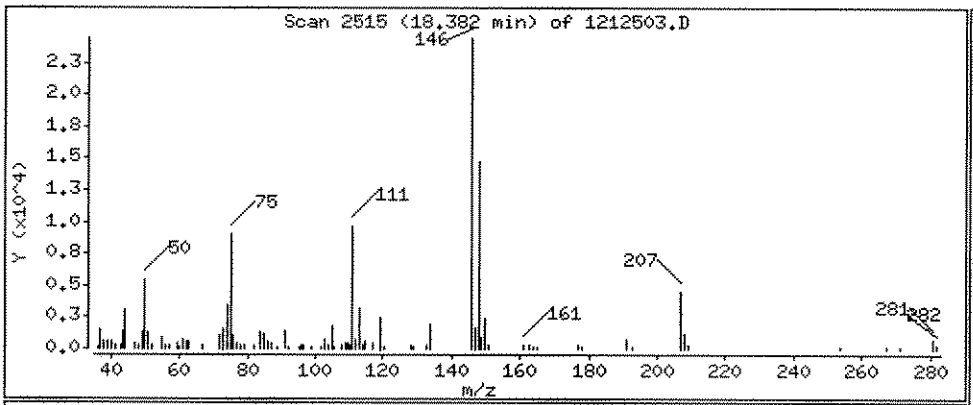
Operator: CLB

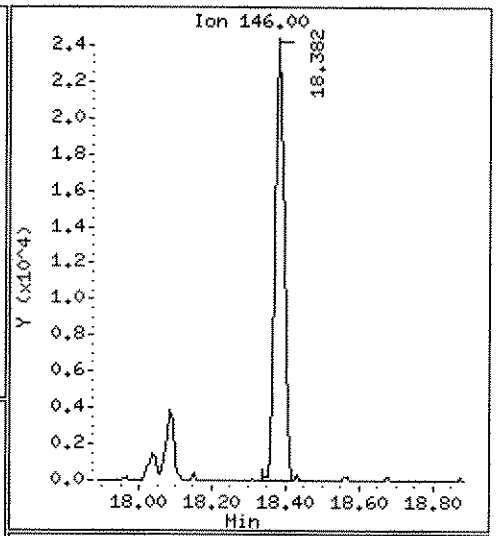
Column phase: RTX-VRX

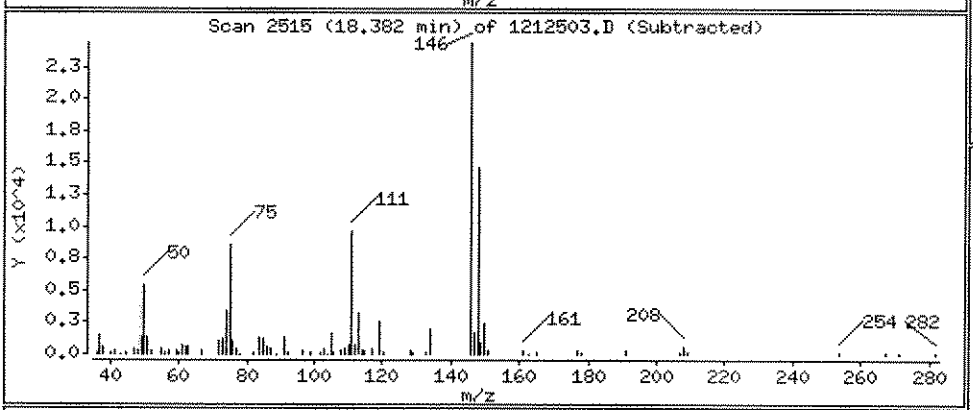
Column diameter: 0.25

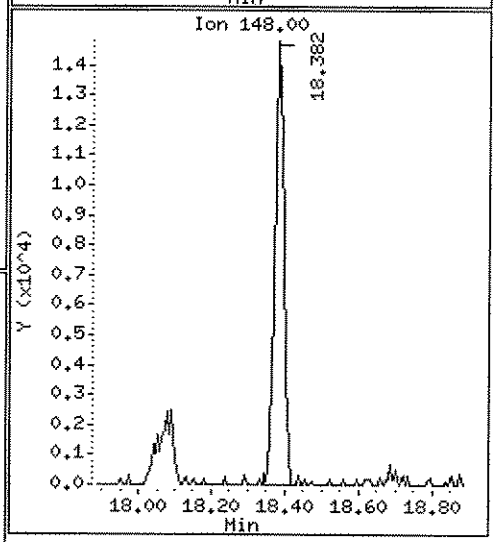
120 1,2-Dichlorobenzene

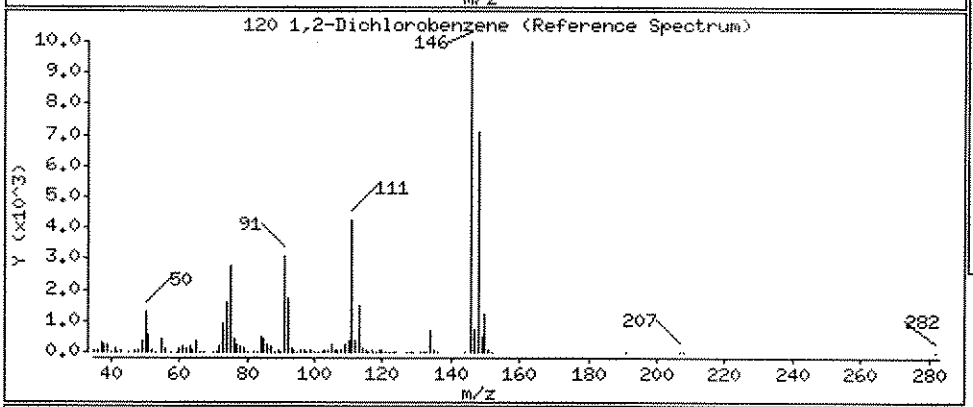
Concentration: 1.837 ug/L

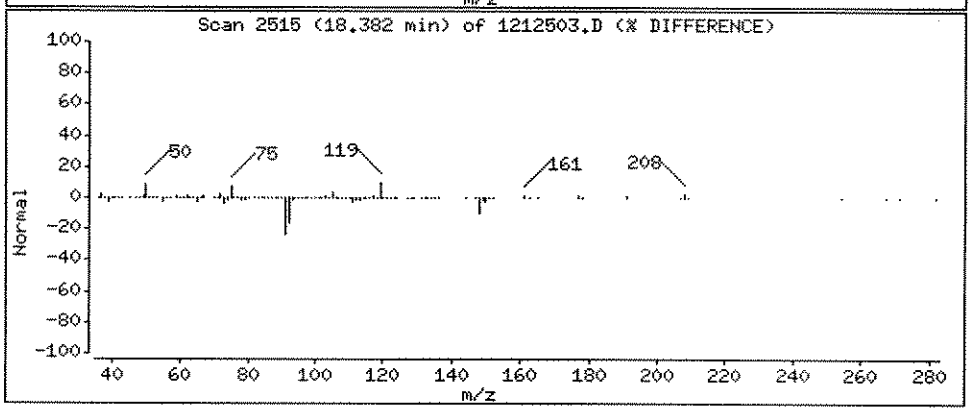












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1212503.D

Date : 17-DEC-2010 06:43

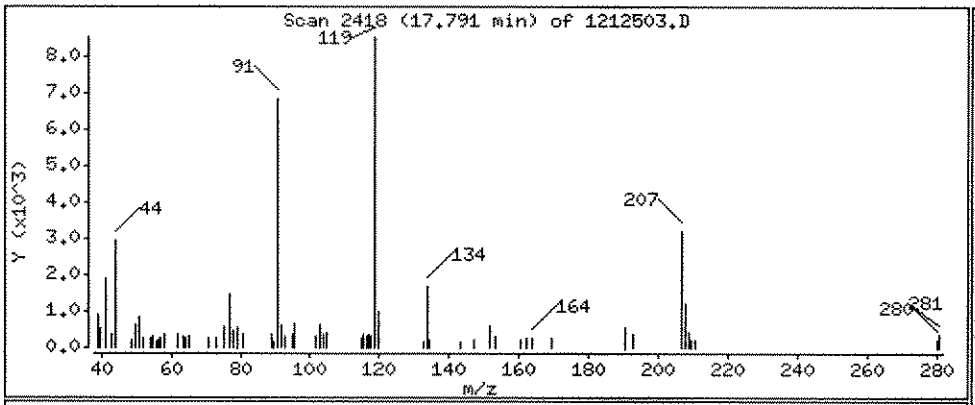
Client ID: JAX-MW-780-DUP01-GW | Instrument: voa3.i

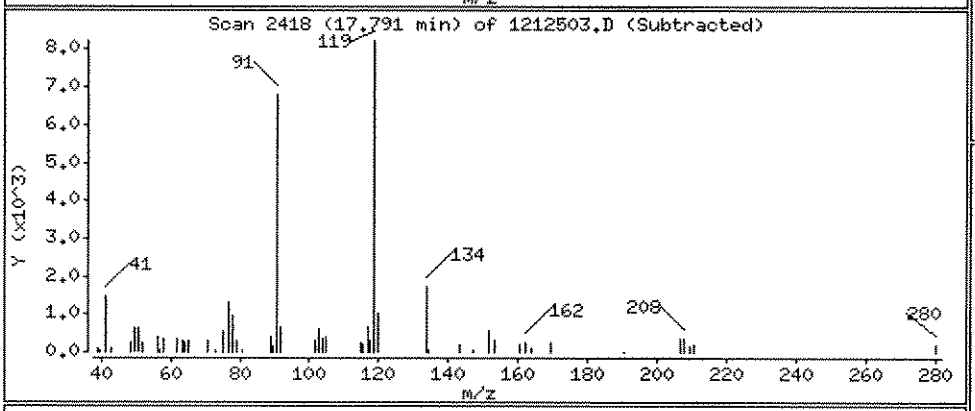
Sample Info: 1012125-03

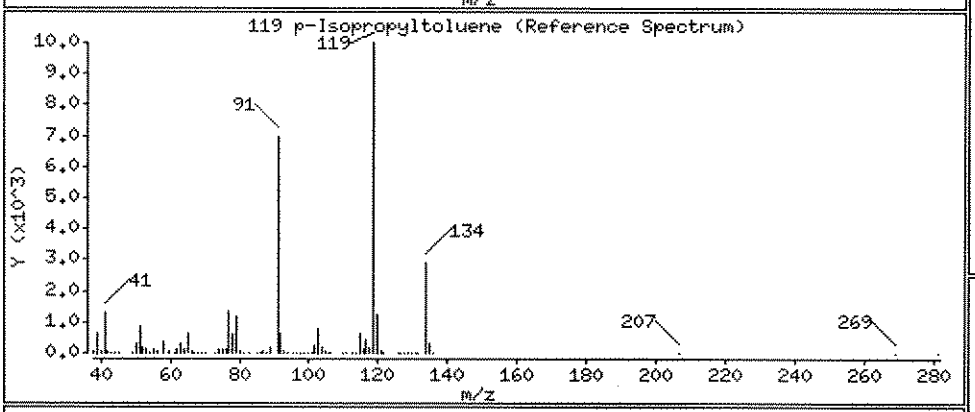
Purge Volume: 5.0 | Operator: CLB

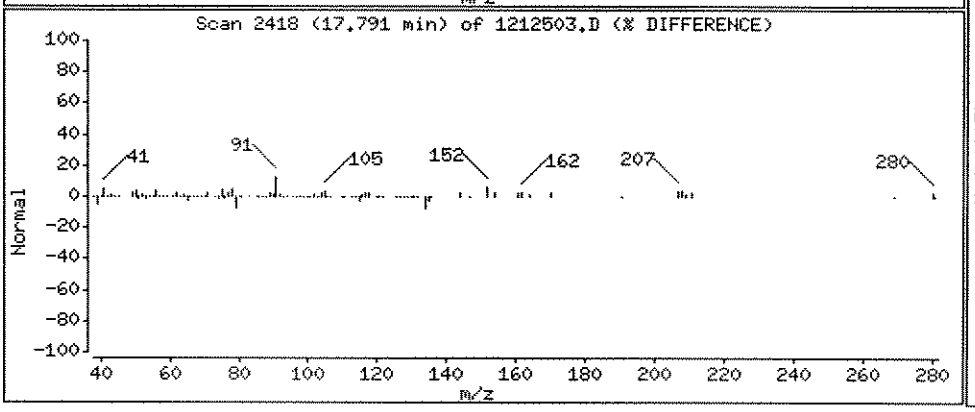
Column phase: RTX-VRX | Column diameter: 0.25

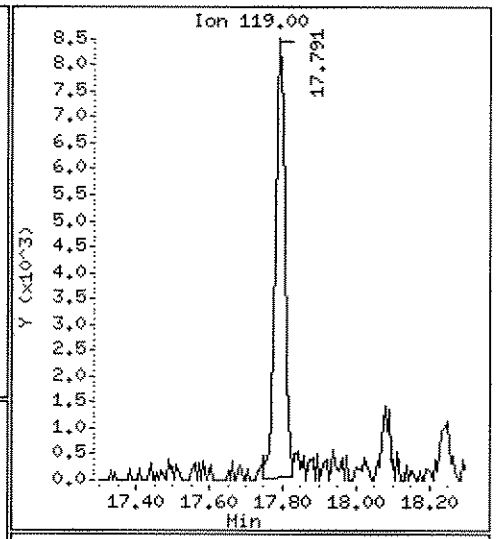
119 p-Isopropyltoluene | Concentration: 0.5115 ug/L

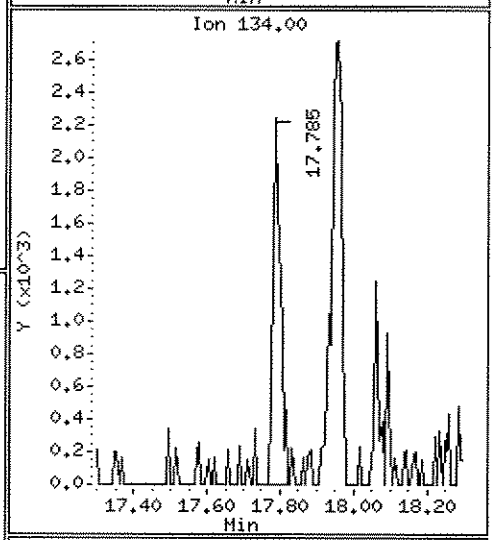


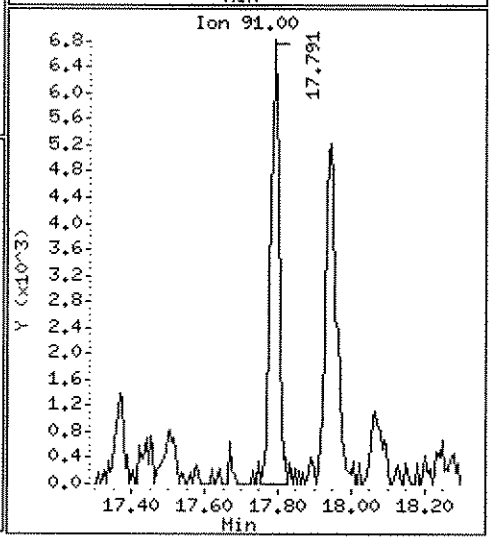












Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LD1E.D
Report Date: 17-Dec-2010 12:57

Laboratory Name

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 0L16017-BSD1
Level: LOW
Data Type: MS DATA
SpikeList File: dodwlcs.spk
Sublist File: gm-all.sub
Method File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\VWATER3.m
Misc Info: ;3;LCSD;;;gm-all.sub;

Client SDG: SDGa11115
Fraction: VOA
Client Smp ID: 0L16017-BSD1
Operator: CLB
SampleType: LCSD
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.00	59.94	119.88	30-155
2 Chloromethane	50.00	50.07	100.14	40-125
4 Vinyl chloride	50.00	48.89	97.78	50-145
7 Bromomethane	50.00	25.15	50.30	30-145
8 Chloroethane	50.00	46.90	93.80	60-135
11 Trichlorofluoromet	50.00	62.92	125.84	60-145
15 t-Butyl alcohol	250.0	266.5	106.60	50-150
16 tert-Amyl alcohol	250.0	240.1	96.04	75-125
26 Trichlorotrifluoro	50.00	57.77	115.54	60-130
10 Acrolein	250.0	54.51	21.80	10-200
14 Acetone	100.0	117.7	117.70	40-140
23 Iodomethane	50.00	32.58	65.16	50-140
22 1,1-Dichloroethene	50.00	53.64	107.28	70-130
29 Carbon disulfide	50.00	57.10	114.20	35-160
25 Methylene chloride	50.00	52.79	105.58	55-140
24 Acrylonitrile	250.0	288.1	115.24	35-180
32 trans-1,2-Dichloro	50.00	53.23	106.46	60-140
33 MTBE	50.00	53.76	107.52	65-125
34 1,1-Dichloroethane	50.00	54.79	109.58	70-135
37 Vinyl acetate	100.0	106.4	106.40	60-150
45 Di-isopropyl ether	50.00	51.79	103.58	50-150
46 cis-1,2-Dichloroet	50.00	53.06	106.12	70-125
43 2-Butanone	100.0	93.32	93.32	30-150
48 Bromochloromethane	50.00	54.15	108.30	65-130
53 Tetrahydrofuran	50.00	51.77	103.54	70-130
49 Chloroform	50.00	59.01	118.02	65-135
27 Methyl acetate	50.00	55.12	110.24	55-150
56 1,1,1-Trichloroeth	50.00	59.48	118.96	65-130
58 ETBE	50.00	52.66	105.32	50-150
59 Cyclohexane	50.00	49.01	98.02	60-130
60 Carbon tetrachlori	50.00	59.47	118.94	65-140
61 Benzene	50.00	51.63	103.26	80-120
55 1,2-Dichloroethane	50.00	63.99	127.98	70-130

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LD1E.D
Report Date: 17-Dec-2010 12:57

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
50 2,2-Dichloropropan	50.00	35.27	70.54	70-135
57 1,1-Dichloropropen	50.00	56.62	113.24	75-130
63 tert-Amyl Methyl E	50.00	47.62	95.24	50-150
67 Trichloroethene	50.00	56.11	112.22	70-125
66 1,2-Dichloropropan	50.00	54.12	108.24	75-125
65 Dibromomethane	50.00	58.36	116.72	75-125
70 Methyl methacrylat	50.00	60.31	120.62	70-135
68 Bromodichlorometha	50.00	64.90	129.80*	75-120
71 2-Chloroethyl viny	100.0	97.95	97.95	10-165
73 tert-Amyl Ethyl Et	50.00	50.84	101.68	75-125
76 cis-1,3-Dichloropr	50.00	49.79	99.58	70-130
77 4-Methyl-2-pentano	100.0	109.2	109.20	60-135
83 Toluene	50.00	50.69	101.38	75-120
78 trans-1,3-Dichloro	50.00	54.64	109.28	55-140
85 Ethyl methacrylate	50.00	53.12	106.24	70-135
80 1,1,2-Trichloroeth	50.00	52.78	105.56	75-125
89 Tetrachloroethene	50.00	53.22	106.44	45-150
86 2-Hexanone	100.0	105.1	105.10	55-130
87 Dibromochlorometha	50.00	60.07	120.14	60-135
88 1,2-Dibromoethane	50.00	54.88	109.76	80-120
74 Methyl cyclohexane	50.00	50.83	101.66	60-125
93 Chlorobenzene	50.00	52.97	105.94	80-120
90 1,1,1,2-Tetrachlor	50.00	55.54	111.08	80-130
91 1-Chlorohexane	50.00	49.65	99.30	50-150
94 Ethylbenzene	50.00	55.48	110.96	75-125
95 m,p-Xylene	100.0	102.4	102.40	75-130
M 107 Xylene(total)	150.0	156.8	104.53	75-130
99 o-Xylene	50.00	54.43	108.86	80-120
97 Styrene	50.00	53.27	106.54	65-135
96 Bromoform	50.00	48.07	96.14	70-130
103 Isopropylbenzene	50.00	57.79	115.58	75-125
98 1,1,2,2-Tetrachlor	50.00	49.84	99.68	65-130
84 1,3-Dichloropropan	50.00	55.84	111.68	75-125
100 1,2,3-Trichloropro	50.00	57.63	115.26	75-125
108 n-Propylbenzene	50.00	55.44	110.88	70-130
109 2-Chlorotoluene	50.00	55.12	110.24	75-125
110 4-Chlorotoluene	50.00	54.88	109.76	75-130
113 1,3,5-Trimethylben	50.00	53.51	107.02	75-130
111 1,2,4-Trimethylben	50.00	52.80	105.60	75-130
114 sec-Butylbenzene	50.00	52.63	105.26	70-125
112 tert-Butylbenzene	50.00	53.20	106.40	70-130
115 1,3-Dichlorobenzen	50.00	54.00	108.00	75-125
118 1,4-Dichlorobenzen	50.00	51.68	103.36	75-125
121 n-Butylbenzene	50.00	52.42	104.84	70-135
120 1,2-Dichlorobenzen	50.00	55.39	110.78	70-120
122 1,2-Dibromo-3-chlo	50.00	45.75	91.50	50-130
105 Bromobenzene	50.00	54.93	109.86	75-125

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LD1E.D
Report Date: 17-Dec-2010 12:57

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
123 1,2,4-Trichloroben	50.00	47.30	94.60	65-135
124 Naphthalene	50.00	51.61	103.22	55-140
119 p-Isopropyltoluene	50.00	50.65	101.30	75-130
125 Hexachlorobutadien	50.00	51.38	102.76	50-140
126 1,2,3-Trichloroben	50.00	47.43	94.86	55-140

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 51 Dibromofluorometha	30.00	31.22	104.07	85-115
$ 54 1,2-Dichloroethane	30.00	27.79	92.63	70-120
$ 81 Toluene-d8	30.00	28.27	94.23	85-120
$ 104 Bromofluorobenzene	30.00	30.85	102.83	75-120

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LD1E.D
Report Date: 17-Dec-2010 12:57

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LD1E.D
Lab Smp Id: 0L16017-BSD1 Client Smp ID: 0L16017-BSD1
Inj Date : 17-DEC-2010 12:08 MS Autotune Date: 13-DEC-2010 15:35
Operator : CLB Inst ID: voa3.i
Smp Info : 0L16017-BSD1
Misc Info : ;3;LCSD;;;gm-all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\VWATER3.m
Meth Date : 17-Dec-2010 08:22 amonteiro Quant Type: ISTD
Cal Date : 10-AUG-2010 23:37 Cal File: SEQ-CALR.D
Als bottle: 42 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: gm-all.sub
Target Version: 4.04
Processing Host: TARGET02_VM

YMM 12/17/10
MY 12/20

Concentration Formula: Amt * DF * 5*Uf/Vo

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	unit correction factor
Vo	5.000	Volume of sample purged (mL)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
* 62 Fluorobenzene	96	12.474	12.480	(1.000)	998187	30.0000	
1 Dichlorodifluoromethane	85	3.519	3.525	(0.282)	436659	59.9409	59.94
2 Chloromethane	50	3.726	3.732	(0.299)	371835	50.0731	50.07
4 Vinyl chloride	62	3.933	3.939	(0.315)	310671	48.8876	48.89
7 Bromomethane	94	4.389	4.401	(0.352)	113463	25.1493	25.15
8 Chloroethane	64	4.559	4.565	(0.366)	184307	46.9037	46.90
11 Trichlorofluoromethane	101	5.265	5.277	(0.422)	766845	62.9224	62.92
15 t-Butyl alcohol	59	6.031	6.037	(0.484)	197037	266.535	266.5
16 tert-Amyl alcohol	59	10.977	10.989	(0.880)	117252	240.092	240.1
26 Trichlorotrifluoroethane	101	6.348	6.354	(0.509)	363099	57.7700	57.77
10 Acrolein	56	5.216	5.228	(0.418)	69624	54.5065	54.51
22 1,1-Dichloroethene	96	6.025	6.037	(0.483)	330007	53.6447	53.64
14 Acetone	43	5.380	5.393	(0.431)	279645	117.691	117.7
23 Iodomethane	142	6.068	6.080	(0.486)	306406	32.5772	32.58
29 Carbon disulfide	76	6.603	6.615	(0.529)	1181781	57.1006	57.10
25 Methylene chloride	84	6.244	6.250	(0.501)	422950	52.7944	52.79

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LD1E.D
Report Date: 17-Dec-2010 12:57

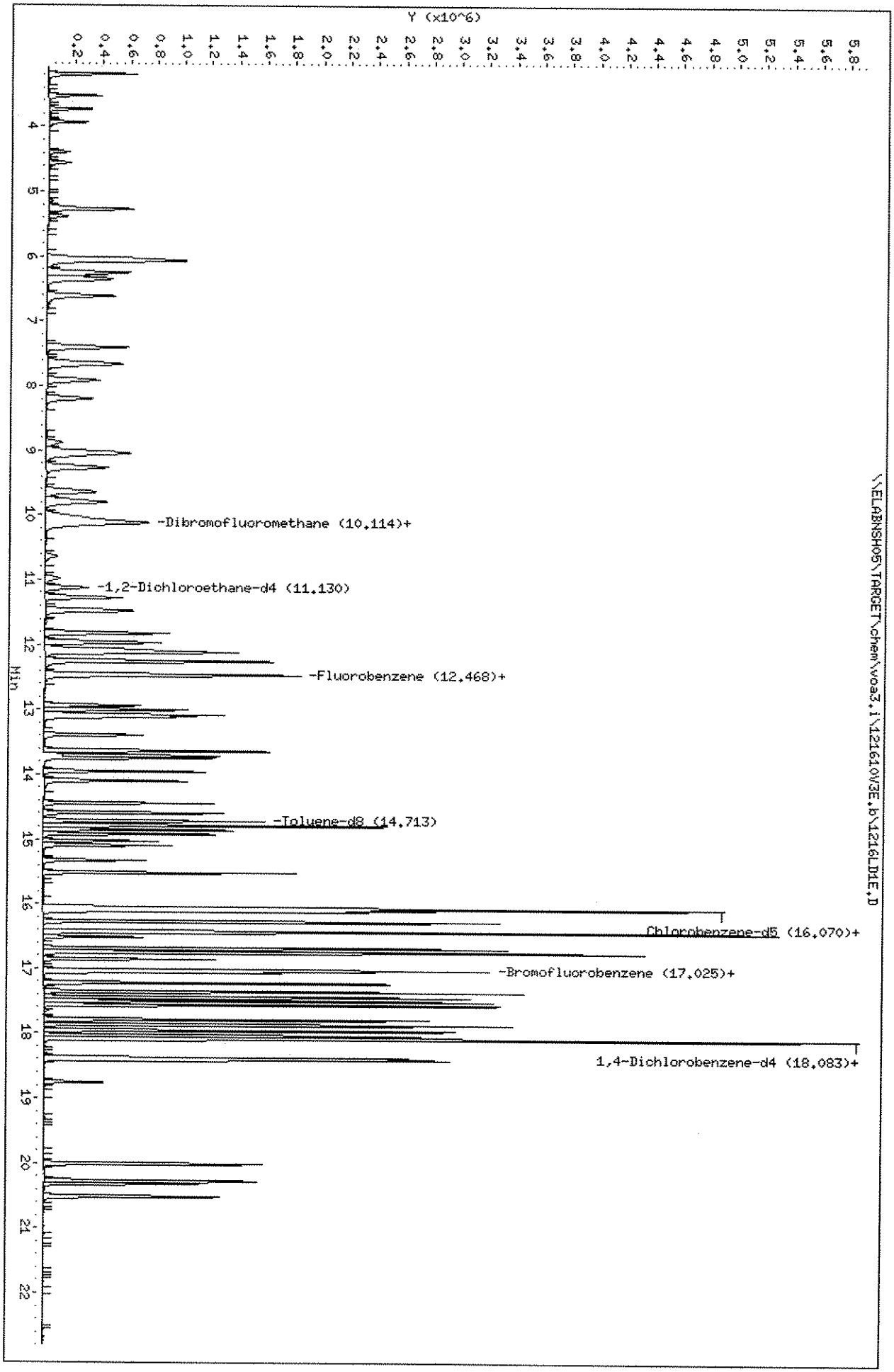
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
	24 Acrylonitrile	53	6.062	6.074	(0.486)	782289	288.084	288.1
	32 trans-1,2-Dichloroethene	96	7.400	7.412	(0.593)	379693	53.2347	53.23
	33 MTBE	73	7.656	7.668	(0.614)	1097475	53.7612	53.76
	34 1,1-Dichloroethane	63	7.911	7.917	(0.634)	723786	54.7887	54.79
	37 Vinyl acetate	43	8.197	8.209	(0.657)	1005001	106.432	106.4
	45 Di-isopropyl ether	45	9.043	9.055	(0.725)	1468895	51.7888	51.79
	46 cis-1,2-Dichloroethene	96	9.262	9.280	(0.743)	409923	53.0589	53.06
M	30 1,2-Dichloroethene(total)	96				789616	106.294	106.3
	43 2-Butanone	43	8.878	8.891	(0.712)	328333	93.3188	93.32
	48 Bromochloromethane	128	9.633	9.657	(0.772)	205037	54.1501	54.15
	53 Tetrahydrofuran	42	10.637	10.643	(0.853)	106091	51.7702	51.77
	49 Chloroform	83	9.797	9.803	(0.785)	823843	59.0116	59.01
	27 Methyl acetate	43	6.281	6.293	(0.504)	304539	55.1257	55.12
$	51 Dibromofluoromethane	111	10.107	10.120	(0.810)	270509	31.2181	31.22
	56 1,1,1-Trichloroethane	97	11.482	11.482	(0.921)	733194	59.4778	59.48
	58 ETBE	59	10.120	10.138	(0.811)	1339013	52.6625	52.66
	59 Cyclohexane	56	11.963	11.975	(0.959)	577396	49.0083	49.01
	60 Carbon tetrachloride	117	12.078	12.078	(0.968)	588494	59.4739	59.47
$	54 1,2-Dichloroethane-d4	102	11.129	11.135	(0.892)	51060	27.7867	27.79(Q)
	61 Benzene	78	12.115	12.127	(0.971)	1493477	51.6331	51.63
	55 1,2-Dichloroethane	62	11.275	11.281	(0.904)	770436	63.9926	63.99
	50 2,2-Dichloropropane	77	10.034	10.047	(0.804)	410673	35.2690	35.27
	57 1,1-Dichloropropene	75	11.823	11.829	(0.948)	583246	56.6179	56.62
	63 tert-Amyl Methyl Ether	73	12.462	12.468	(0.999)	1129377	47.6211	47.62
	67 Trichloroethene	95	13.082	13.088	(1.049)	480429	56.1074	56.11
	66 1,2-Dichloropropane	63	13.003	13.009	(1.042)	427552	54.1177	54.12
	65 Dibromomethane	93	12.936	12.942	(1.037)	305540	58.3567	58.36
	70 Methyl methacrylate	41	13.392	13.399	(1.074)	437944	60.3135	60.31
	68 Bromodichloromethane	83	13.119	13.125	(1.052)	664981	64.8991	64.90(R)
	71 2-Chloroethyl vinyl ether	63	13.709	13.715	(1.099)	522930	97.9507	97.95
	73 tert-Amyl Ethyl Ether	59	13.636	13.642	(1.093)	1157549	50.8435	50.84
	76 cis-1,3-Dichloropropene	75	13.952	13.958	(1.119)	643797	49.7940	49.79
	77 4-Methyl-2-pentanone	43	14.098	14.104	(1.130)	841272	109.254	109.2
$	81 Toluene-d8	98	14.719	14.719	(0.915)	1131468	28.2705	28.27
	83 Toluene	92	14.786	14.792	(0.919)	1171836	50.6916	50.69
	78 trans-1,3-Dichloropropene	75	14.439	14.445	(0.898)	682666	54.6459	54.64
	85 Ethyl methacrylate	69	14.919	14.919	(0.928)	583145	53.1181	53.12
	80 1,1,2-Trichloroethane	83	14.591	14.603	(0.907)	359499	52.7852	52.78
	89 Tetrachloroethene	166	15.516	15.522	(0.965)	504267	53.2170	53.22
	86 2-Hexanone	43	15.029	15.035	(0.935)	619450	105.066	105.1
	87 Dibromochloromethane	129	15.096	15.102	(0.939)	496968	60.0748	60.07
	88 1,2-Dibromoethane	107	15.327	15.333	(0.953)	505351	54.8768	54.88
	74 Methyl cyclohexane	83	13.745	13.751	(1.102)	497749	50.8279	50.83
*	92 Chlorobenzene-d5	82	16.081	16.088	(1.000)	586094	30.0000	
	93 Chlorobenzene	112	16.112	16.112	(1.002)	1393179	52.9686	52.97
	90 1,1,1,2-Tetrachloroethane	131	16.051	16.057	(0.998)	453480	55.5400	55.54
	91 1-Chlorohexane	91	16.069	16.075	(0.999)	1092323	49.6509	49.65

Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LD1E.D
Report Date: 17-Dec-2010 12:57

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	FINAL (ug/L)
94 Ethylbenzene	91	16.270	16.276	(1.012)	2413975	55.4819	55.48
95 m,p-Xylene	91	16.428	16.434	(1.022)	3647863	102.427	102.4
M 107 Xylene(total)	91				5653242	156.854	156.8
99 o-Xylene	91	16.745	16.751	(1.041)	2005378	54.4273	54.43
97 Styrene	104	16.684	16.690	(1.037)	1580854	53.2732	53.27
96 Bromoform	173	16.513	16.519	(1.027)	332889	48.0701	48.07
103 Isopropylbenzene	105	17.024	17.030	(1.059)	2090906	57.7943	57.79
$ 104 Bromofluorobenzene	95	17.055	17.061	(1.061)	590567	30.8521	30.85
98 1,1,2,2-Tetrachloroethane	83	16.751	16.757	(0.927)	547702	49.8390	49.84
84 1,3-Dichloropropane	76	14.853	14.859	(0.924)	735535	55.8420	55.84
100 1,2,3-Trichloropropane	110	16.854	16.860	(1.048)	189017	57.6334	57.63
108 n-Propylbenzene	91	17.359	17.365	(0.961)	2644182	55.4353	55.44
113 1,3,5-Trimethylbenzene	105	17.560	17.566	(0.972)	1904852	53.5117	53.51
111 1,2,4-Trimethylbenzene	105	17.864	17.870	(0.989)	1949111	52.8000	52.80
114 sec-Butylbenzene	105	17.955	17.961	(0.994)	2076147	52.6317	52.63
112 tert-Butylbenzene	119	18.083	18.089	(1.001)	1639886	53.2016	53.20
115 1,3-Dichlorobenzene	146	18.034	18.040	(0.998)	1093817	54.0022	54.00
* 117 1,4-Dichlorobenzene-d4	152	18.065	18.071	(1.000)	609341	30.0000	
118 1,4-Dichlorobenzene	146	18.083	18.089	(1.001)	1102824	51.6835	51.68
121 n-Butylbenzene	91	18.405	18.411	(1.019)	1620016	52.4202	52.42
120 1,2-Dichlorobenzene	146	18.381	18.387	(1.018)	1122920	55.3945	55.39
122 1,2-Dibromo-3-chloropropane	157	18.758	18.764	(1.038)	122468	45.7513	45.75
105 Bromobenzene	156	17.225	17.231	(0.954)	692107	54.9264	54.93
109 2-Chlorotoluene	91	17.444	17.444	(0.966)	1836774	55.1153	55.12
110 4-Chlorotoluene	91	17.499	17.505	(0.969)	1833263	54.8790	54.88
123 1,2,4-Trichlorobenzene	180	20.011	20.018	(1.108)	634188	47.2979	47.30
124 Naphthalene	128	20.273	20.279	(1.122)	1591344	51.6127	51.61
119 p-Isopropyltoluene	119	17.791	17.797	(0.985)	1405575	50.6483	50.65
125 Hexachlorobutadiene	225	20.316	20.322	(1.125)	304566	51.3784	51.38
126 1,2,3-Trichlorobenzene	180	20.516	20.522	(1.136)	560046	47.4319	47.43

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.


Data File: \\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LD1E.D
Date : 17-DEC-2010 12:08
Client ID: OL16017-BSD1
Sample Info: OL16017-BSD1
Purge Volume: 5.0
Column phase: RTX-VRX
Instrument: voa3.i
Operator: CLB
Column diameter: 0.25
\\ELABNSH05\TARGET\chem\voa3.i\121610V3E.b\1216LD1E.D
Y (x10^6)
Min
-Dibromofluoromethane (10.114)+
-1,2-Dichloroethane-d4 (11.130)
-Fluorobenzene (12.468)+
-Toluene-d8 (14.713)
Chlorobenzene-d5 (16.070)+
-Bromofluorobenzene (17.025)+
1,4-Dichlorobenzene-d4 (18.083)+

PREPARATION BENCH SHEET

0L16017

Empirical Laboratories, LLC

Printed: 1/4/2011 12:10:01PM

267

Matrix: Water **Prepared using: MS - 5030B** **Surrogate used: 10J0413**

Lab Number	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
0L16017-BLK1	QC	12/16/2010 00:00	5	5				1	
0L16017-BS1	QC	12/16/2010 00:00	5	5	10L0404		2.5	1	
0L16017-BSD1	QC	12/16/2010 00:00	5	5	10L0404		2.5	1	
1012124-05	VOC_8260B_REG	12/16/2010 00:00	5	5				1	BTEX
1012124-06	VOC_8260B_REG	12/16/2010 00:00	5	5				1	BTEX
1012125-01	VOC_8260B_REG	12/16/2010 00:00	5	5				1	See Version Client List
1012125-02	VOC_8260B_REG	12/16/2010 00:00	5	5				1	See Version Client List
1012125-03	VOC_8260B_REG	12/16/2010 00:00	5	5				1	See Version Client List
1012125-04	VOC_8260B_REG	12/16/2010 00:00	5	5				1	See Version Client List
1012132-01	VOC_8260B_REG	12/16/2010 00:00	5	5				1	LOW VOLUME!! only 2 vials
1012132-05	VOC_8260B_REG	12/16/2010 00:00	5	5				1	
1012133-01	VOC_8260B_REG	12/16/2010 00:00	5	5				1	version
1012133-02	VOC_8260B_REG	12/16/2010 00:00	5	5				1	version
1012133-03	VOC_8260B_REG	12/16/2010 00:00	5	5				1	version
1012133-04	VOC_8260B_REG	12/16/2010 00:00	5	5				1	version
1012133-05	VOC_8260B_REG	12/16/2010 00:00	5	5				1	version
1012133-06	VOC_8260B_REG	12/16/2010 00:00	5	5				1	version
1012133-07	VOC_8260B_REG	12/16/2010 00:00	5	5				1	version
1012133-08	VOC_8260B_REG	12/16/2010 00:00	5	5				1	version
1012133-09	VOC_8260B_REG	12/16/2010 00:00	5	5				1	version

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTO154OURI_002

Data for SW8270D Forms

ANALYSIS DATA SHEET

JAX-MW-780-1-GW20101210

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-01	File ID:	1212501.D
Sampled:	12/10/10 14:52	Prepared:	12/14/10 17:51	Analyzed:	12/28/10 22:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 0L13015 Sequence: 0L36407 Calibration: 0362004 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		0.926	2.31	4.63	Q U
83-32-9	Acenaphthene		0.926	2.31	4.63	U
208-96-8	Acenaphthylene		0.926	2.31	4.63	U
98-86-2	Acetophenone		0.926	2.31	4.63	U
120-12-7	Anthracene		0.926	2.31	4.63	Q U
1912-24-9	Atrazine		0.926	2.31	4.63	Q U
100-52-7	Benzaldehyde		0.926	2.31	4.63	Y U
92-52-4	1,1-Biphenyl		0.463	2.31	4.63	Y U
101-55-3	4-Bromophenyl-phenylether		0.926	2.31	4.63	Q U
85-68-7	Butylbenzylphthalate		0.926	2.31	4.63	Q U
105-60-2	Caprolactam		0.926	2.31	4.63	X U
86-74-8	Carbazole		0.926	2.31	4.63	Q U
59-50-7	4-Chloro-3-methylphenol		0.926	2.31	4.63	X U
106-47-8	4-Chloroaniline		0.926	2.31	4.63	U
111-91-1	Bis(2-chloroethoxy)methane		0.926	2.31	4.63	U
111-44-4	Bis(2-chloroethyl)ether	0.943	0.926	2.31	4.63	I
108-60-1	2,2'-Oxybis-1-chloropropane		0.926	2.31	4.63	U
91-58-7	2-Chloronaphthalene		0.926	2.31	4.63	U
95-57-8	2-Chlorophenol		0.926	2.31	4.63	U
7005-72-3	4-Chlorophenyl phenyl ether		0.926	2.31	4.63	U
218-01-9	Chrysene		0.926	2.31	4.63	Q U
132-64-9	Dibenzofuran		0.926	2.31	4.63	U
84-74-2	Di-n-butylphthalate		1.20	2.31	4.63	Q U
120-83-2	2,4-Dichlorophenol		0.926	2.31	4.63	U
84-66-2	Diethylphthalate		0.926	2.31	4.63	Q U
105-67-9	2,4-Dimethylphenol		0.926	2.31	4.63	U
131-11-3	Dimethyl phthalate		0.926	2.31	4.63	Q U
534-52-1	4,6-Dinitro-2-methylphenol		2.31	4.63	9.26	Q U
51-28-5	2,4-Dinitrophenol		2.31	4.63	9.26	Q, X U
121-14-2	2,4-Dinitrotoluene		0.926	2.31	4.63	Q U
606-20-2	2,6-Dinitrotoluene		0.926	2.31	4.63	Q U
117-84-0	Di-n-octylphthalate		0.926	2.31	4.63	X, Q U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.31	4.63	Q U
206-44-0	Fluoranthene		0.926	2.31	4.63	Q U
86-73-7	Fluorene		0.926	2.31	4.63	U
118-74-1	Hexachlorobenzene		0.926	2.31	4.63	Q U
87-68-3	Hexachlorobutadiene		0.926	2.31	4.63	U
77-47-4	Hexachlorocyclopentadiene		0.926	2.31	4.63	U
67-72-1	Hexachloroethane		0.926	2.31	4.63	U

ANALYSIS DATA SHEET

JAX-MW-780-1-GW20101210

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-01	File ID:	1212501.D
Sampled:	12/10/10 14:52	Prepared:	12/14/10 17:51	Analyzed:	12/28/10 22:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 0L13015 Sequence: 0L36407 Calibration: 0362004 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
78-59-1	Isophorone		0.926	2.31	4.63	U
95-48-7	2-Methylphenol		0.926	2.31	4.63	U
106-44-5	4-Methylphenol		0.926	2.31	4.63	U
91-20-3	Naphthalene		0.926	2.31	4.63	U
100-01-6	4-Nitroaniline		0.926	2.31	4.63	Q U
99-09-2	3-Nitroaniline		0.926	2.31	4.63	U
88-74-4	2-Nitroaniline		1.11	2.31	4.63	Q, X U
98-95-3	Nitrobenzene		0.926	2.31	4.63	U
100-02-7	4-Nitrophenol		0.926	2.31	4.63	U
88-75-5	2-Nitrophenol		0.926	2.31	4.63	X U
86-30-6	N-Nitrosodiphenylamine		0.926	2.31	4.63	U
621-64-7	N-Nitroso-di-n-propylamine		0.926	2.31	4.63	U
87-86-5	Pentachlorophenol		1.85	9.26	18.5	Q U
85-01-8	Phenanthrene		0.926	2.31	4.63	U
108-95-2	Phenol		0.926	2.31	4.63	U
129-00-0	Pyrene		0.926	2.31	4.63	U
88-06-2	2,4,6-Trichlorophenol		0.926	2.31	4.63	Q U
95-95-4	2,4,5-Trichlorophenol		0.926	2.31	4.63	Q U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	35.01	75.6	50 - 110	
2-Fluorophenol	92.59	25.66	27.7	20 - 110	
Nitrobenzene-d5	46.30	36.49	78.8	40 - 110	
Phenol-d6	92.59	17.62	19.0	10 - 110	
Terphenyl-d14	46.30	36.71	79.3	50 - 135	
2,4,6-Tribromophenol	92.59	73.11	79.0	40 - 125	

ANALYSIS DATA SHEET

JAX-EW-780-2-GW20101210

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-02	File ID:	1212502.D
Sampled:	12/10/10 15:22	Prepared:	12/14/10 17:51	Analyzed:	12/28/10 22:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 0L13015 Sequence: 0L36407 Calibration: 0362004 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		0.926	2.31	4.63	Q U
83-32-9	Acenaphthene		0.926	2.31	4.63	U
208-96-8	Acenaphthylene		0.926	2.31	4.63	U
98-86-2	Acetophenone		0.926	2.31	4.63	U
120-12-7	Anthracene		0.926	2.31	4.63	Q U
1912-24-9	Atrazine		0.926	2.31	4.63	Q U
100-52-7	Benzaldehyde		0.926	2.31	4.63	Y U
92-52-4	1,1-Biphenyl		0.463	2.31	4.63	Y U
101-55-3	4-Bromophenyl-phenylether		0.926	2.31	4.63	Q U
85-68-7	Butylbenzylphthalate		0.926	2.31	4.63	Q U
105-60-2	Caprolactam		0.926	2.31	4.63	X U
86-74-8	Carbazole		0.926	2.31	4.63	Q U
59-50-7	4-Chloro-3-methylphenol		0.926	2.31	4.63	X U
106-47-8	4-Chloroaniline		0.926	2.31	4.63	U
111-91-1	Bis(2-chloroethoxy)methane		0.926	2.31	4.63	U
111-44-4	Bis(2-chloroethyl)ether		0.926	2.31	4.63	U
108-60-1	2,2'-Oxybis-1-chloropropane		0.926	2.31	4.63	U
91-58-7	2-Chloronaphthalene		0.926	2.31	4.63	U
95-57-8	2-Chlorophenol		0.926	2.31	4.63	U
7005-72-3	4-Chlorophenyl phenyl ether		0.926	2.31	4.63	U
218-01-9	Chrysene		0.926	2.31	4.63	Q U
132-64-9	Dibenzofuran		0.926	2.31	4.63	U
84-74-2	Di-n-butylphthalate		1.20	2.31	4.63	Q U
120-83-2	2,4-Dichlorophenol		0.926	2.31	4.63	U
84-66-2	Diethylphthalate		0.926	2.31	4.63	Q U
105-67-9	2,4-Dimethylphenol		0.926	2.31	4.63	U
131-11-3	Dimethyl phthalate		0.926	2.31	4.63	Q U
534-52-1	4,6-Dinitro-2-methylphenol		2.31	4.63	9.26	Q U
51-28-5	2,4-Dinitrophenol		2.31	4.63	9.26	Q, X U
121-14-2	2,4-Dinitrotoluene		0.926	2.31	4.63	Q U
606-20-2	2,6-Dinitrotoluene		0.926	2.31	4.63	Q U
117-84-0	Di-n-octylphthalate		0.926	2.31	4.63	Q, X U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.31	4.63	Q U
206-44-0	Fluoranthene		0.926	2.31	4.63	Q U
86-73-7	Fluorene		0.926	2.31	4.63	U
118-74-1	Hexachlorobenzene		0.926	2.31	4.63	Q U
87-68-3	Hexachlorobutadiene		0.926	2.31	4.63	U
77-47-4	Hexachlorocyclopentadiene		0.926	2.31	4.63	U
67-72-1	Hexachloroethane		0.926	2.31	4.63	U

ANALYSIS DATA SHEET

JAX-EW-780-2-GW20101210

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-02	File ID:	1212502.D
Sampled:	12/10/10 15:22	Prepared:	12/14/10 17:51	Analyzed:	12/28/10 22:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 0L13015 Sequence: 0L36407 Calibration: 0362004 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
78-59-1	Isophorone		0.926	2.31	4.63	U
95-48-7	2-Methylphenol		0.926	2.31	4.63	U
106-44-5	4-Methylphenol		0.926	2.31	4.63	U
91-20-3	Naphthalene		0.926	2.31	4.63	U
100-01-6	4-Nitroaniline		0.926	2.31	4.63	Q U
99-09-2	3-Nitroaniline		0.926	2.31	4.63	U
88-74-4	2-Nitroaniline		1.11	2.31	4.63	Q, X U
98-95-3	Nitrobenzene		0.926	2.31	4.63	U
100-02-7	4-Nitrophenol		0.926	2.31	4.63	U
88-75-5	2-Nitrophenol		0.926	2.31	4.63	X U
86-30-6	N-Nitrosodiphenylamine		0.926	2.31	4.63	U
621-64-7	N-Nitroso-di-n-propylamine		0.926	2.31	4.63	U
87-86-5	Pentachlorophenol		1.85	9.26	18.5	Q U
85-01-8	Phenanthrene		0.926	2.31	4.63	U
108-95-2	Phenol		0.926	2.31	4.63	U
129-00-0	Pyrene		0.926	2.31	4.63	U
88-06-2	2,4,6-Trichlorophenol		0.926	2.31	4.63	Q U
95-95-4	2,4,5-Trichlorophenol		0.926	2.31	4.63	Q U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	26.69	57.7	50 - 110	
2-Fluorophenol	92.59	22.53	24.3	20 - 110	
Nitrobenzene-d5	46.30	29.97	64.7	40 - 110	
Phenol-d6	92.59	15.26	16.5	10 - 110	
Terphenyl-d14	46.30	40.17	86.8	50 - 135	
2,4,6-Tribromophenol	92.59	74.04	80.0	40 - 125	

ANALYSIS DATA SHEET

AX-MW-780-DUP01-GW2010121

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-03	File ID:	1212503.D
Sampled:	12/10/10 00:00	Prepared:	12/14/10 17:51	Analyzed:	12/28/10 23:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 0L13015 Sequence: 0L36407 Calibration: 0362004 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		0.926	2.31	4.63	Q U
83-32-9	Acenaphthene		0.926	2.31	4.63	U
208-96-8	Acenaphthylene		0.926	2.31	4.63	U
98-86-2	Acetophenone		0.926	2.31	4.63	U
120-12-7	Anthracene		0.926	2.31	4.63	Q U
1912-24-9	Atrazine		0.926	2.31	4.63	Q U
100-52-7	Benzaldehyde		0.926	2.31	4.63	Y U
92-52-4	1,1-Biphenyl		0.463	2.31	4.63	Y U
101-55-3	4-Bromophenyl-phenylether		0.926	2.31	4.63	Q U
85-68-7	Butylbenzylphthalate		0.926	2.31	4.63	Q U
105-60-2	Caprolactam		0.926	2.31	4.63	X U
86-74-8	Carbazole		0.926	2.31	4.63	Q U
59-50-7	4-Chloro-3-methylphenol		0.926	2.31	4.63	X U
106-47-8	4-Chloroaniline		0.926	2.31	4.63	U
111-91-1	Bis(2-chloroethoxy)methane		0.926	2.31	4.63	U
111-44-4	Bis(2-chloroethyl)ether		0.926	2.31	4.63	U
108-60-1	2,2'-Oxybis-1-chloropropane		0.926	2.31	4.63	U
91-58-7	2-Chloronaphthalene		0.926	2.31	4.63	U
95-57-8	2-Chlorophenol		0.926	2.31	4.63	U
7005-72-3	4-Chlorophenyl phenyl ether		0.926	2.31	4.63	U
218-01-9	Chrysene		0.926	2.31	4.63	Q U
132-64-9	Dibenzofuran		0.926	2.31	4.63	U
84-74-2	Di-n-butylphthalate		1.20	2.31	4.63	Q U
120-83-2	2,4-Dichlorophenol		0.926	2.31	4.63	U
84-66-2	Diethylphthalate		0.926	2.31	4.63	Q U
105-67-9	2,4-Dimethylphenol		0.926	2.31	4.63	U
131-11-3	Dimethyl phthalate		0.926	2.31	4.63	Q U
534-52-1	4,6-Dinitro-2-methylphenol		2.31	4.63	9.26	Q U
51-28-5	2,4-Dinitrophenol		2.31	4.63	9.26	Q, X U
121-14-2	2,4-Dinitrotoluene		0.926	2.31	4.63	Q U
606-20-2	2,6-Dinitrotoluene		0.926	2.31	4.63	Q U
117-84-0	Di-n-octylphthalate		0.926	2.31	4.63	Q, X U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.31	4.63	Q U
206-44-0	Fluoranthene		0.926	2.31	4.63	Q U
86-73-7	Fluorene		0.926	2.31	4.63	U
118-74-1	Hexachlorobenzene		0.926	2.31	4.63	Q U
87-68-3	Hexachlorobutadiene		0.926	2.31	4.63	U
77-47-4	Hexachlorocyclopentadiene		0.926	2.31	4.63	U
67-72-1	Hexachloroethane		0.926	2.31	4.63	U

ANALYSIS DATA SHEET

AX-MW-780-DUP01-GW2010121

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-03	File ID:	1212503.D
Sampled:	12/10/10 00:00	Prepared:	12/14/10 17:51	Analyzed:	12/28/10 23:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 0L13015 Sequence: 0L36407 Calibration: 0362004 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
78-59-1	Isophorone		0.926	2.31	4.63	U
95-48-7	2-Methylphenol		0.926	2.31	4.63	U
106-44-5	4-Methylphenol		0.926	2.31	4.63	U
91-20-3	Naphthalene		0.926	2.31	4.63	U
100-01-6	4-Nitroaniline		0.926	2.31	4.63	Q U
99-09-2	3-Nitroaniline		0.926	2.31	4.63	U
88-74-4	2-Nitroaniline		1.11	2.31	4.63	Q, X U
98-95-3	Nitrobenzene		0.926	2.31	4.63	U
100-02-7	4-Nitrophenol		0.926	2.31	4.63	U
88-75-5	2-Nitrophenol		0.926	2.31	4.63	X U
86-30-6	N-Nitrosodiphenylamine		0.926	2.31	4.63	U
621-64-7	N-Nitroso-di-n-propylamine		0.926	2.31	4.63	U
87-86-5	Pentachlorophenol		1.85	9.26	18.5	Q U
85-01-8	Phenanthrene		0.926	2.31	4.63	U
108-95-2	Phenol		0.926	2.31	4.63	U
129-00-0	Pyrene		0.926	2.31	4.63	U
88-06-2	2,4,6-Trichlorophenol		0.926	2.31	4.63	Q U
95-95-4	2,4,5-Trichlorophenol		0.926	2.31	4.63	Q U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	32.07	69.3	50 - 110	
2-Fluorophenol	92.59	29.25	31.6	20 - 110	
Nitrobenzene-d5	46.30	37.25	80.5	40 - 110	
Phenol-d6	92.59	19.16	20.7	10 - 110	
Terphenyl-d14	46.30	44.52	96.2	50 - 135	
2,4,6-Tribromophenol	92.59	81.75	88.3	40 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L36407	Instrument:	MS-BNA1
		Calibration:	0362004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (0L36407-CCV1) ug/mL				Lab File ID: SEQ-CCV1x.D		Analyzed: 12/28/10 15:41		
2-Fluorobiphenyl	50.00	94.6	80 - 120	8.211	8.211	0.0000	+/-0.500	
2-Fluorophenol	100.0	99.2	80 - 120	3.953	3.953	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	115	80 - 120	6.058	6.058	0.0000	+/-0.500	
Phenol-d6	100.0	99.0	80 - 120	5.061	5.061	0.0000	+/-0.500	
Terphenyl-d14	50.00	94.9	80 - 120	12.729	12.729	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	92.2	80 - 120	9.947	9.947	0.0000	+/-0.500	
LCS (0L13015-BS1) ug/L				Lab File ID: L13015L1x.D		Analyzed: 12/28/10 16:25		
2-Fluorobiphenyl	25.00	81.5	50 - 110	8.204	8.211	-0.0070	+/-0.500	
2-Fluorophenol	50.00	33.6	20 - 110	3.95	3.953	-0.0030	+/-0.500	
Nitrobenzene-d5	25.00	95.5	40 - 110	6.052	6.058	-0.0060	+/-0.500	
Phenol-d6	50.00	23.6	10 - 110	5.042	5.061	-0.0190	+/-0.500	
Terphenyl-d14	25.00	95.8	50 - 135	12.73	12.729	0.0010	+/-0.500	
2,4,6-Tribromophenol	50.00	102	40 - 125	9.946	9.947	-0.0010	+/-0.500	
LCS Dup (0L13015-BSD1) ug/L				Lab File ID: L13015L2x.D		Analyzed: 12/28/10 16:52		
2-Fluorobiphenyl	25.00	75.6	50 - 110	8.204	8.211	-0.0070	+/-0.500	
2-Fluorophenol	50.00	33.6	20 - 110	3.955	3.953	0.0020	+/-0.500	
Nitrobenzene-d5	25.00	82.8	40 - 110	6.052	6.058	-0.0060	+/-0.500	
Phenol-d6	50.00	23.9	10 - 110	5.042	5.061	-0.0190	+/-0.500	
Terphenyl-d14	25.00	124	50 - 135	12.729	12.729	0.0000	+/-0.500	
2,4,6-Tribromophenol	50.00	102	40 - 125	9.947	9.947	0.0000	+/-0.500	
Blank (0L13015-BLK1) ug/L				Lab File ID: L13015B1x.D		Analyzed: 12/28/10 17:20		
2-Fluorobiphenyl	25.00	70.0	50 - 110	8.202	8.211	-0.0090	+/-0.500	
2-Fluorophenol	50.00	48.8	20 - 110	3.946	3.953	-0.0070	+/-0.500	
Nitrobenzene-d5	25.00	90.5	40 - 110	6.046	6.058	-0.0120	+/-0.500	
Phenol-d6	50.00	34.9	10 - 110	5.04	5.061	-0.0210	+/-0.500	
Terphenyl-d14	25.00	87.1	50 - 135	12.728	12.729	-0.0010	+/-0.500	
2,4,6-Tribromophenol	50.00	99.6	40 - 125	9.937	9.947	-0.0100	+/-0.500	
JAX-MW-780-1-GW20101210 (1012125-01) ug/L				Lab File ID: 1212501.D		Analyzed: 12/28/10 22:25		
2-Fluorobiphenyl	46.30	75.6	50 - 110	8.2	8.211	-0.0110	+/-0.500	
2-Fluorophenol	92.59	27.7	20 - 110	3.947	3.953	-0.0060	+/-0.500	
Nitrobenzene-d5	46.30	78.8	40 - 110	6.047	6.058	-0.0110	+/-0.500	
Phenol-d6	92.59	19.0	10 - 110	5.034	5.061	-0.0270	+/-0.500	
Terphenyl-d14	46.30	79.3	50 - 135	12.726	12.729	-0.0030	+/-0.500	
2,4,6-Tribromophenol	92.59	79.0	40 - 125	9.936	9.947	-0.0110	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L36407	Instrument:	MS-BNA1
		Calibration:	0362004

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
JAX-EW-780-2-GW20101210 (1012125-02) ug/L				Lab File ID: 1212502.D		Analyzed: 12/28/10 22:53		
2-Fluorobiphenyl	46.30	57.7	50 - 110	8.199	8.211	-0.0120	+/-0.500	
2-Fluorophenol	92.59	24.3	20 - 110	3.946	3.953	-0.0070	+/-0.500	
Nitrobenzene-d5	46.30	64.7	40 - 110	6.045	6.058	-0.0130	+/-0.500	
Phenol-d6	92.59	16.5	10 - 110	5.04	5.061	-0.0210	+/-0.500	
Terphenyl-d14	46.30	86.8	50 - 135	12.726	12.729	-0.0030	+/-0.500	
2,4,6-Tribromophenol	92.59	80.0	40 - 125	9.94	9.947	-0.0070	+/-0.500	
JAX-MW-780-DUP01-GW20101210 (1012125-03) ug/L				Lab File ID: 1212503.D		Analyzed: 12/28/10 23:20		
2-Fluorobiphenyl	46.30	69.3	50 - 110	8.201	8.211	-0.0100	+/-0.500	
2-Fluorophenol	92.59	31.6	20 - 110	3.946	3.953	-0.0070	+/-0.500	
Nitrobenzene-d5	46.30	80.5	40 - 110	6.047	6.058	-0.0110	+/-0.500	
Phenol-d6	92.59	20.7	10 - 110	5.04	5.061	-0.0210	+/-0.500	
Terphenyl-d14	46.30	96.2	50 - 135	12.726	12.729	-0.0030	+/-0.500	
2,4,6-Tribromophenol	92.59	88.3	40 - 125	9.937	9.947	-0.0100	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Matrix:	Water		
Batch:	0L13015	Laboratory ID:	0L13015-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 0.5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	**25.00**	**27.94**	**112**	**20 - 110**
Acenaphthene	25.00	22.71	90.8	45 - 110
Acenaphthylene	25.00	22.57	90.3	50 - 105
Acetophenone	25.00	20.02	80.1	50 - 110
Anthracene	**25.00**	**28.52**	**114**	**55 - 110**
Atrazine	**25.00**	**31.83**	**127**	**70 - 115**
Benzaldehyde	25.00	18.00	72.0	10 - 180
1,1-Biphenyl	25.00	22.01	88.0	50 - 110
4-Bromophenyl-phenylether	**25.00**	**30.25**	**121**	**50 - 115**
Butylbenzylphthalate	**25.00**	**37.09**	**148**	**45 - 115**
Caprolactam	25.00	6.152	24.6	20 - 110
Carbazole	**25.00**	**31.01**	**124**	**50 - 115**
4-Chloro-3-methylphenol	25.00	27.55	110	45 - 110
4-Chloroaniline	25.00	18.59	74.3	15 - 110
Bis(2-chloroethoxy)methane	25.00	22.76	91.0	45 - 105
Bis(2-chloroethyl)ether	25.00	18.97	75.9	35 - 110
2,2'-Oxybis-1-chloropropane	25.00	18.72	74.9	25 - 130
2-Chloronaphthalene	25.00	20.06	80.2	50 - 105
2-Chlorophenol	25.00	15.61	62.4	35 - 105
4-Chlorophenyl phenyl ether	25.00	26.74	107	50 - 110
Chrysene	25.00	27.54	110	55 - 110
Dibenzofuran	25.00	24.40	97.6	55 - 105
Di-n-butylphthalate	**25.00**	**32.96**	**132**	**55 - 115**
2,4-Dichlorophenol	25.00	21.87	87.5	40 - 110
Diethylphthalate	**25.00**	**33.36**	**133**	**40 - 120**
2,4-Dimethylphenol	25.00	21.64	86.5	30 - 110
Dimethyl phthalate	25.00	31.05	124	25 - 125
4,6-Dinitro-2-methylphenol	**25.00**	**38.94**	**156**	**40 - 130**
2,4-Dinitrophenol	**25.00**	**42.51**	**170**	**15 - 140**
2,4-Dinitrotoluene	**25.00**	**34.08**	**136**	**50 - 120**

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Matrix:	Water		
Batch:	0L13015	Laboratory ID:	0L13015-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 0.5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2,6-Dinitrotoluene	**25.00**	**32.71**	**131**	**50 - 115**
Di-n-octylphthalate	**25.00**	**41.55**	**166**	**35 - 135**
Bis(2-ethylhexyl)phthalate	**25.00**	**36.48**	**146**	**40 - 125**
Fluoranthene	25.00	27.69	111	55 - 115
Fluorene	25.00	27.40	110	50 - 110
Hexachlorobenzene	**25.00**	**28.64**	**115**	**50 - 110**
Hexachlorobutadiene	25.00	14.13	56.5	25 - 105
Hexachlorocyclopentadiene	25.00	8.993	36.0	10 - 110
Hexachloroethane	25.00	10.62	42.5	30 - 95
Isophorone	25.00	21.48	85.9	50 - 110
2-Methylphenol	25.00	14.38	57.5	40 - 110
4-Methylphenol	25.00	13.73	54.9	30 - 110
Naphthalene	25.00	17.61	70.4	40 - 100
4-Nitroaniline	**25.00**	**38.42**	**154**	**35 - 120**
3-Nitroaniline	25.00	28.43	114	20 - 125
2-Nitroaniline	**25.00**	**34.95**	**140**	**50 - 115**
Nitrobenzene	25.00	23.55	94.2	30 - 110
4-Nitrophenol	25.00	15.06	60.2	0 - 125
2-Nitrophenol	25.00	24.88	99.5	40 - 115
N-Nitrosodiphenylamine	25.00	17.06	68.3	50 - 110
N-Nitroso-di-n-propylamine	25.00	22.24	88.9	35 - 130
Pentachlorophenol	**25.00**	**39.97**	**160**	**40 - 115**
Phenanthrene	25.00	27.66	111	50 - 115
Phenol	25.00	6.930	27.7	0 - 115
Pyrene	25.00	28.39	114	50 - 130
2,4,6-Trichlorophenol	**25.00**	**29.11**	**116**	**50 - 115**
2,4,5-Trichlorophenol	**25.00**	**28.86**	**115**	**50 - 110**

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Matrix:	Water		
Batch:	0L13015	Laboratory ID:	0L13015-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 0.5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
3,3'-Dichlorobenzidine	25.00	25.68	103	8.43	30	20 - 110
Acenaphthene	25.00	21.93	87.7	3.48	30	45 - 110
Acenaphthylene	25.00	20.51	82.0	9.59	30	50 - 105
Acetophenone	25.00	21.26	85.0	6.00	30	50 - 110
Anthracene	**25.00**	**29.14**	**117 ***	**2.16**	**30**	**55 - 110**
Atrazine	25.00	28.42	114	11.3	30	70 - 115
Benzaldehyde	25.00	18.36	73.4	1.94	30	10 - 180
1,1-Biphenyl	25.00	21.69	86.8	1.45	30	50 - 110
4-Bromophenyl-phenylether	**25.00**	**32.56**	**130 ***	**7.35**	**30**	**50 - 115**
Butylbenzylphthalate	**25.00**	**41.52**	**166 ***	**11.3**	**30**	**45 - 115**
Caprolactam	25.00	5.815	23.3	5.62	30	20 - 110
Carbazole	**25.00**	**30.12**	**120 ***	**2.91**	**30**	**50 - 115**
4-Chloro-3-methylphenol	25.00	22.86	91.4	18.6	30	45 - 110
4-Chloroaniline	25.00	13.73	54.9	30.0	30	15 - 110
Bis(2-chloroethoxy)methane	25.00	21.63	86.5	5.09	30	45 - 105
Bis(2-chloroethyl)ether	25.00	21.28	85.1	11.5	30	35 - 110
2,2'-Oxybis-1-chloropropane	25.00	19.91	79.6	6.14	30	25 - 130
2-Chloronaphthalene	25.00	19.36	77.5	3.54	30	50 - 105
2-Chlorophenol	25.00	15.62	62.5	0.0570	30	35 - 105
4-Chlorophenyl phenyl ether	25.00	23.86	95.4	11.4	30	50 - 110
Chrysene	**25.00**	**27.89**	**112 ***	**1.26**	**30**	**55 - 110**
Dibenzofuran	25.00	22.12	88.5	9.79	30	55 - 105
Di-n-butylphthalate	**25.00**	**33.26**	**133 ***	**0.911**	**30**	**55 - 115**
2,4-Dichlorophenol	25.00	19.85	79.4	9.68	30	40 - 110
Diethylphthalate	25.00	28.83	115	14.6	30	40 - 120
2,4-Dimethylphenol	25.00	16.24	65.0	28.5	30	30 - 110
Dimethyl phthalate	**25.00**	**31.74**	**127 ***	**2.20**	**30**	**25 - 125**
4,6-Dinitro-2-methylphenol	**25.00**	**39.09**	**156 ***	**0.403**	**30**	**40 - 130**
2,4-Dinitrophenol	**25.00**	**41.91**	**168 ***	**1.44**	**30**	**15 - 140**
2,4-Dinitrotoluene	**25.00**	**32.18**	**129 ***	**5.73**	**30**	**50 - 120**

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Matrix:	Water		
Batch:	0L13015	Laboratory ID:	0L13015-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 0.5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #		% RPD #		QC LIMITS RPD	QC LIMITS REC.
2,6-Dinitrotoluene	**25.00**	**31.60**	**126**	*	**3.45**		**30**	**50 - 115**
Di-n-octylphthalate	**25.00**	**39.33**	**157**	*	**5.49**		**30**	**35 - 135**
Bis(2-ethylhexyl)phthalate	**25.00**	**40.19**	**161**	*	**9.68**		**30**	**40 - 125**
Fluoranthene	**25.00**	**30.42**	**122**	*	**9.39**		**30**	**55 - 115**
Fluorene	25.00	24.00	96.0		13.2		30	50 - 110
Hexachlorobenzene	**25.00**	**30.23**	**121**	*	**5.41**		**30**	**50 - 110**
Hexachlorobutadiene	25.00	13.36	53.4		5.65		30	25 - 105
Hexachlorocyclopentadiene	25.00	8.322	33.3		7.75		30	10 - 110
Hexachloroethane	25.00	11.06	44.2		4.05		30	30 - 95
Isophorone	25.00	20.06	80.2		6.83		30	50 - 110
2-Methylphenol	25.00	13.79	55.2		4.15		30	40 - 110
4-Methylphenol	25.00	12.92	51.7		6.10		30	30 - 110
Naphthalene	25.00	18.05	72.2		2.50		30	40 - 100
4-Nitroaniline	25.00	26.85	107		35.4	*	30	35 - 120
3-Nitroaniline	25.00	22.66	90.6		22.6		30	20 - 125
2-Nitroaniline	**25.00**	**32.50**	**130**	*	**7.29**		**30**	**50 - 115**
Nitrobenzene	25.00	21.12	84.5		10.9		30	30 - 110
4-Nitrophenol	25.00	13.36	53.4		11.9		30	0 - 125
2-Nitrophenol	25.00	21.37	85.5		15.2		30	40 - 115
N-Nitrosodiphenylamine	25.00	19.08	76.3		11.2		30	50 - 110
N-Nitroso-di-n-propylamine	25.00	22.77	91.1		2.38		30	35 - 130
Pentachlorophenol	**25.00**	**40.16**	**161**	*	**0.456**		**30**	**40 - 115**
Phenanthrene	25.00	28.42	114		2.71		30	50 - 115
Phenol	25.00	7.005	28.0		1.08		30	0 - 115
Pyrene	25.00	30.92	124		8.53		30	50 - 130
2,4,6-Trichlorophenol	25.00	25.67	103		12.6		30	50 - 115
2,4,5-Trichlorophenol	25.00	25.86	103		10.9		30	50 - 110

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2010

Batch: 0L13015 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
Blank	0L13015-BLK1	12/14/10 17:51	1,000.00	0.50
LCS	0L13015-BS1	12/14/10 17:51	1,000.00	0.50
LCS Dup	0L13015-BSD1	12/14/10 17:51	1,000.00	0.50
JAX-MW-780-1-GW20101210	1012125-01	12/14/10 17:51	1,080.00	1.00
JAX-EW-780-2-GW20101210	1012125-02	12/14/10 17:51	1,080.00	1.00
JAX-MW-780-DUP01-GW20101210	1012125-03	12/14/10 17:51	1,080.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Lab File ID:	SEQ-TUN1.D	Injection Date:	12/18/10
Instrument ID:	MS-BNA1	Injection Time:	18:01
Sequence:	0L35702	Lab Sample ID:	0L35702-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	32.2	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	53.3	PASS
70	Less than 2% of 69	0.467	PASS
127	40 - 60% of 198	41.1	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.15	PASS
275	10 - 30% of 198	17.1	PASS
365	1 - 200% of 198	2.04	PASS
441	0.001 - 100% of 443	73	PASS
442	40 - 200% of 198	48.8	PASS
443	17 - 23% of 442	19.6	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Lab File ID:	SEQ-TUN1.D	Injection Date:	12/22/10
Instrument ID:	MS-BNA1	Injection Time:	15:21
Sequence:	0L35702	Lab Sample ID:	0L35702-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	35.4	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	58.2	PASS
70	Less than 2% of 69	0.498	PASS
127	40 - 60% of 198	42.2	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.78	PASS
275	10 - 30% of 198	17.9	PASS
365	1 - 200% of 198	1.91	PASS
441	0.001 - 100% of 443	72.5	PASS
442	40 - 200% of 198	51.3	PASS
443	17 - 23% of 442	21.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Lab File ID:	SEQ-TUN1.D	Injection Date:	12/28/10
Instrument ID:	MS-BNA1	Injection Time:	15:18
Sequence:	0L36407	Lab Sample ID:	0L36407-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	35.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	56.6	PASS
70	Less than 2% of 69	0.731	PASS
127	40 - 60% of 198	43.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.7	PASS
275	10 - 30% of 198	19.1	PASS
365	1 - 200% of 198	2.56	PASS
441	0.001 - 100% of 443	78	PASS
442	40 - 200% of 198	57.1	PASS
443	17 - 23% of 442	19.2	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L35702	Instrument:	MS-BNA1
Calibration:	0362004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0L35702-TUN1	SEQ-TUN1.D	12/18/10 18:01
Cal Standard	0L35702-CAL1	SEQ-CAL1.D	12/18/10 18:25
Cal Standard	0L35702-CAL2	SEQ-CAL2.D	12/18/10 18:53
Cal Standard	0L35702-CAL3	SEQ-CAL3.D	12/18/10 19:21
Cal Standard	0L35702-CAL4	SEQ-CAL4.D	12/18/10 19:49
Cal Standard	0L35702-CAL5	SEQ-CAL5.D	12/18/10 20:17
Cal Standard	0L35702-CAL6	SEQ-CAL6.D	12/18/10 20:45
Cal Standard	0L35702-CAL7	SEQ-CAL7.D	12/18/10 21:12
Cal Standard	0L35702-CAL8	SEQ-CAL8.D	12/18/10 21:40
Cal Standard	0L35702-CAL9	SEQ-CAL9.D	12/18/10 22:08
Cal Standard	0L35702-CALA	SEQ-CALA.D	12/18/10 22:36
Cal Standard	0L35702-CALB	SEQ-CALB.D	12/18/10 23:03
Cal Standard	0L35702-CALC	SEQ-CALC.D	12/18/10 23:31
Cal Standard	0L35702-CALD	SEQ-CALD.D	12/18/10 23:59
Cal Standard	0L35702-CALE	SEQ-CALE.D	12/19/10 00:26
Cal Standard	0L35702-CALF	SEQ-CALF.D	12/19/10 00:54
Cal Standard	0L35702-CALG	SEQ-CALG.D	12/19/10 01:21
Cal Standard	0L35702-CALH	SEQ-CALH.D	12/19/10 01:49
Cal Standard	0L35702-CALI	SEQ-CALI.D	12/19/10 02:16
Cal Standard	0L35702-CALJ	SEQ-CALJ.D	12/19/10 02:43
Cal Standard	0L35702-CALK	SEQ-CALK.D	12/19/10 03:11
Initial Cal Check	0L35702-ICV1	SEQ-ICV1.D	12/19/10 03:38
Initial Cal Check	0L35702-ICV2	SEQ-ICV2.D	12/19/10 04:05
MS Tune	0L35702-TUN2	SEQ-TUN1.D	12/22/10 15:21
Initial Cal Check	0L35702-ICV3	SEQ-ICV3.D	12/22/10 17:47

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L36407	Instrument:	MS-BNA1
Calibration:	0362004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	0L36407-TUN1	SEQ-TUN1.D	12/28/10 15:18
Calibration Check	0L36407-CCV1	SEQ-CCV1x.D	12/28/10 15:41
LCS	0L13015-BS1	L13015L1x.D	12/28/10 16:25
LCS Dup	0L13015-BSD1	L13015L2x.D	12/28/10 16:52
Blank	0L13015-BLK1	L13015B1x.D	12/28/10 17:20
JAX-MW-780-1-GW20101210	1012125-01	1212501.D	12/28/10 22:25
JAX-EW-780-2-GW20101210	1012125-02	1212502.D	12/28/10 22:53
JAX-MW-780-DUP01-GW20101210	1012125-03	1212503.D	12/28/10 23:20

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Project: CTO154 OU3RI NAS Jacksonville_2010
Sequence: 0L36407
Instrument: MS-BNA1
Calibration: 0362004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (0L36407-CCV1)			Lab File ID: SEQ-CCV1x.D			Analyzed: 12/28/10 15:41			
1,4-Dichlorobenzene-d4	465685	5.402	539748	5.459	86	50 - 200	-0.0570	+/-0.50	
Naphthalene-d8	1453545	6.89	1580681	6.95	92	50 - 200	-0.0600	+/-0.50	
Acenaphthene-d10	798837	8.995	788597	9.058	101	50 - 200	-0.0630	+/-0.50	
Phenanthrene-d10	1207334	10.774	1206887	10.832	100	50 - 200	-0.0580	+/-0.50	
Chrysene-d12	998348	13.962	1017059	14.03	98	50 - 200	-0.0680	+/-0.50	
Perylene-d12	873642	15.626	849426	15.698	103	50 - 200	-0.0720	+/-0.50	
LCS (0L13015-BS1)			Lab File ID: L13015L1x.D			Analyzed: 12/28/10 16:25			
1,4-Dichlorobenzene-d4	406276	5.404	465685	5.402	87	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1167457	6.892	1453545	6.89	80	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	596835	8.991	798837	8.995	75	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	957812	10.773	1207334	10.774	79	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	819557	13.97	998348	13.962	82	50 - 200	0.0080	+/-0.50	
Perylene-d12	688183	15.629	873642	15.626	79	50 - 200	0.0030	+/-0.50	
LCS Dup (0L13015-BSD1)			Lab File ID: L13015L2x.D			Analyzed: 12/28/10 16:52			
1,4-Dichlorobenzene-d4	389741	5.403	465685	5.402	84	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	1254583	6.891	1453545	6.89	86	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	643612	8.993	798837	8.995	81	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	912329	10.775	1207334	10.774	76	50 - 200	0.0010	+/-0.50	
Chrysene-d12	698469	13.967	998348	13.962	70	50 - 200	0.0050	+/-0.50	
Perylene-d12	592075	15.623	873642	15.626	68	50 - 200	-0.0030	+/-0.50	
Blank (0L13015-BLK1)			Lab File ID: L13015B1x.D			Analyzed: 12/28/10 17:20			
1,4-Dichlorobenzene-d4	404199	5.407	465685	5.402	87	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	1175145	6.889	1453545	6.89	81	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	584212	8.991	798837	8.995	73	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	807404	10.775	1207334	10.774	67	50 - 200	0.0010	+/-0.50	
Chrysene-d12	779452	13.958	998348	13.962	78	50 - 200	-0.0040	+/-0.50	
Perylene-d12	693732	15.626	873642	15.626	79	50 - 200	0.0000	+/-0.50	
JAX-MW-780-1-GW20101210 (1012125-01)			Lab File ID: 1212501.D			Analyzed: 12/28/10 22:25			
1,4-Dichlorobenzene-d4	456624	5.401	465685	5.402	98	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	1356234	6.885	1453545	6.89	93	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	637150	8.985	798837	8.995	80	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	1035251	10.765	1207334	10.774	86	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	927158	13.953	998348	13.962	93	50 - 200	-0.0090	+/-0.50	
Perylene-d12	669196	15.619	873642	15.626	77	50 - 200	-0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L36407	Instrument:	MS-BNA1
		Calibration:	0362004

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
JAX-EW-780-2-GW20101210 (1012125-02)			Lab File ID: 1212502.D			Analyzed: 12/28/10 22:53			
1,4-Dichlorobenzene-d4	427976	5.4	465685	5.402	92	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1309504	6.881	1453545	6.89	90	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	656332	8.988	798837	8.995	82	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	999176	10.765	1207334	10.774	83	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	892129	13.952	998348	13.962	89	50 - 200	-0.0100	+/-0.50	
Perylene-d12	747782	15.617	873642	15.626	86	50 - 200	-0.0090	+/-0.50	
JAX-MW-780-DUP01-GW20101210 (1012125-03)			Lab File ID: 1212503.D			Analyzed: 12/28/10 23:20			
1,4-Dichlorobenzene-d4	446837	5.401	465685	5.402	96	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	1464053	6.885	1453545	6.89	101	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	690615	8.987	798837	8.995	86	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1024865	10.768	1207334	10.774	85	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	904093	13.956	998348	13.962	91	50 - 200	-0.0060	+/-0.50	
Perylene-d12	605209	15.616	873642	15.626	69	50 - 200	-0.0100	+/-0.50	

INITIAL CALIBRATION DATA

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0362004	Instrument:	MS-BNA1
Matrix:	Water	Calibration Date:	12/18/2010 6:01:14PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3,3'-Dichlorobenzidine												
Acenaphthene	1	1.348352	2	1.278572	5	1.325648	10	1.218787	20	1.309364	40	1.037386
Acenaphthylene	1	2.084407	2	1.896779	5	2.164744	10	2.096397	20	2.064472	40	1.738933
Acetophenone												
Aniline	1	2.003892	2	1.817257	5	2.026887	10	1.954085	20	1.862817	40	1.859482
Anthracene	1	1.215691	2	1.093456	5	1.113755	10	1.149589	20	1.200713	40	1.031995
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	1	1.164115	2	1.11246	5	1.117687	10	1.126547	20	1.135109	40	1.200297
Benzo(a)pyrene	1		2	0.7021988	5	0.9191536	10	0.9886951	20	1.07144	40	1.135962
Benzo(b)fluoranthene	1		2	~~0.6957154~~	5	0.9015172	10	1.090521	20	1.166049	40	1.172349
Benzo(g,h,i)perylene	1		2		5	0.6781382	10	0.6642757	20	0.7367676	40	0.8096809
Benzoic acid	1		2		5		10	0.0220009	20	6.734805E-02	40	0.1336541
Benzo(k)fluoranthene	1		2	1.056983	5	1.295804	10	1.307639	20	1.37504	40	1.450473
Benzyl alcohol	1	0.6760083	2	0.6701804	5	0.7929572	10	0.8711333	20	0.7749117	40	0.8334584
1,1-Biphenyl												
4-Bromophenyl-phenylether	1	0.2498662	2	0.2395219	5	0.2538038	10	0.2383013	20	0.2784548	40	0.2560569
Butylbenzylphthalate	1		2		5	0.541403	10	0.5535127	20	0.648904	40	0.6493197
Caprolactam												
Carbazole	1	1.01065	2	0.9897868	5	0.9695613	10	1.008382	20	1.160686	40	1.015274
4-Chloro-3-methylphenol	1		2	0.2013224	5	0.2372614	10	0.2400649	20	0.2492694	40	0.2568644
4-Chloroaniline	1	0.4592105	2	0.4379076	5	0.4922755	10	0.4438585	20	0.4767213	40	0.4675983
Bis(2-chloroethoxy)methane	1	0.5377867	2	0.4242009	5	0.484007	10	0.4752992	20	0.4670363	40	0.4748303
Bis(2-chloroethyl)ether	1	1.287631	2	1.304333	5	1.419682	10	1.373404	20	1.326029	40	1.362495
2,2'-Oxybis-1-chloropropane	1	2.263278	2	1.874187	5	2.223492	10	2.292625	20	2.160516	40	2.104419
2-Chloronaphthalene	1	1.512543	2	1.237375	5	1.201385	10	1.248322	20	1.265424	40	1.212097
2-Chlorophenol	1	1.288644	2	1.474949	5	1.460751	10	1.438017	20	1.37213	40	1.470887
4-Chlorophenyl phenyl ether	1	0.6324514	2	0.6734852	5	0.7014361	10	0.6716002	20	0.6949916	40	0.6270622
Chrysene	1	1.338237	2	1.256028	5	1.339678	10	1.174719	20	1.1989	40	1.183559
Dibenz(a,h)anthracene	1		2		5	0.4306483	10	0.5702998	20	0.6423417	40	0.7365787

INITIAL CALIBRATION DATA

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0362004	Instrument:	MS-BNA1
Matrix:	Water	Calibration Date:	12/18/2010 6:01:14PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzofuran	1	1.778321	2	1.621031	5	1.808038	10	1.54438	20	1.785169	40	1.647363
Di-n-butylphthalate	1		2		5	1.313671	10	1.347141	20	1.575356	40	1.442941
1,4-Dichlorobenzene	1	1.508515	2	1.533946	5	1.579763	10	1.561973	20	1.518416	40	1.56203
1,3-Dichlorobenzene	1	1.649814	2	1.460253	5	1.509212	10	1.613835	20	1.573804	40	1.605841
1,2-Dichlorobenzene	1	1.658933	2	1.358461	5	1.543028	10	1.643251	20	1.445176	40	1.457855
2,6-Dichlorophenol												
2,4-Dichlorophenol	1	0.2919269	2	0.2892728	5	0.2883292	10	0.311626	20	0.3123392	40	0.3386215
Diethylphthalate	1	~~7.604847~~	2	~~3.139478~~	5	~~2.033841~~	10	1.535279	20	1.487179	40	1.306715
2,4-Dimethylphenol	1		2	0.2816744	5	0.3077065	10	0.3204136	20	0.3180764	40	0.3129629
Dimethyl phthalate	1		2		5	1.373339	10	1.451541	20	1.464771	40	1.251226
4,6-Dinitro-2-methylphenol	1		2		5		10	4.623276E-02	20	0.1021571	40	0.1584873
2,4-Dinitrophenol	1		2		5		10	3.150776E-02	20	7.604986E-02	40	0.1213198
2,4-Dinitrotoluene	1		2	~~0.1892532~~	5	0.2793378	10	0.2949146	20	0.4159376	40	0.4264008
2,6-Dinitrotoluene	1		2		5	0.2703892	10	0.3000696	20	0.3704238	40	0.3662189
Di-n-octylphthalate	1		2		5		10	0.6764134	20	1.201144	40	1.418852
1,2-Diphenylhydrazine	1	0.934472	2	0.8831663	5	0.8397747	10	0.8843139	20	0.9054345	40	0.7777648
Bis(2-ethylhexyl)phthalate	1		2		5	~~0.4928173~~	10	0.5896658	20	0.8263999	40	0.8567532
Fluoranthene	1	1.286962	2	1.093112	5	1.026261	10	1.106917	20	1.278596	40	1.129386
Fluorene	1	1.353391	2	1.292246	5	1.433684	10	1.300167	20	1.394333	40	1.237472
2-Fluorobiphenyl	1	1.494908	2	1.299839	5	1.531088	10	1.46727	20	1.450253	40	1.312977
2-Fluorophenol	2	1.403783	4	1.251217	10	1.316233	20	1.318509	40	1.245709	80	1.36044
Hexachlorobenzene	1	0.3133619	2	0.319558	5	0.2989487	10	0.3012556	20	0.3164629	40	0.2916296
Hexachlorobutadiene	1		2	0.2108537	5	0.207582	10	0.220536	20	0.1896914	40	0.2054117
Hexachlorocyclopentadiene	1		2	~~0.1800305~~	5	0.2807988	10	0.3047435	20	0.3705689	40	0.3940059
Hexachloroethane	1	0.620557	2	0.519949	5	0.6351487	10	0.6292412	20	0.5945677	40	0.6182107
Indeno(1,2,3-cd)pyrene	1		2		5	0.6227788	10	0.7298104	20	0.8294008	40	0.9570625
Isophorone	1		2		5	0.7330214	10	0.6770081	20	0.7298945	40	0.7268007
1-Methylnaphthalene	1	0.6114761	2	0.5246924	5	0.5607095	10	0.5868964	20	0.5646677	40	0.5583462
2-Methylnaphthalene	1	0.5593303	2	0.5696783	5	0.5185937	10	0.5799724	20	0.5507446	40	0.5600772
2-Methylphenol	1	1.139238	2	0.9843908	5	1.11518	10	1.269866	20	1.162056	40	1.158099
3-Methylphenol	1	1.063246	2	0.9727118	5	1.179754	10	1.19176	20	1.086049	40	1.260436

INITIAL CALIBRATION DATA

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0362004	Instrument:	MS-BNA1
Matrix:	Water	Calibration Date:	12/18/2010 6:01:14PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
4-Methylphenol	1	1.063246	2	0.9727118	5	1.179754	10	1.19176	20	1.086049	40	1.260436
Naphthalene	1		2	1.050624	5	1.076788	10	1.075639	20	1.032028	40	0.9848447
4-Nitroaniline	1		2	~~0.1628363~~	5	0.2377384	10	0.2422332	20	0.2768117	40	0.2859787
3-Nitroaniline	1	~~0.2245889~~	2	~~0.2521242~~	5	0.3164237	10	0.326308	20	0.3984439	40	0.3980206
2-Nitroaniline	1		2	~~0.1455256~~	5	0.2193977	10	0.243328	20	0.3243926	40	0.3165097
Nitrobenzene	1		2		5	0.3592281	10	0.3476294	20	0.3487276	40	0.3566873
Nitrobenzene-d5	1	0.299704	2	0.3041156	5	0.3259186	10	0.3387894	20	0.3522363	40	0.3441448
4-Nitrophenol	1		2		5		10	9.855349E-02	20	0.1595435	40	0.1791884
2-Nitrophenol	1		2		5	0.1554442	10	0.1711476	20	0.2132723	40	0.2168272
N-Nitrosodimethylamine	1		2	0.4815077	5	0.4528387	10	0.5510334	20	0.5538626	40	0.6063606
N-Nitrosodiphenylamine	1	0.7377892	2	0.641178	5	0.6769072	10	0.7288941	20	0.7504604	40	0.6917409
N-Nitroso-di-n-propylamine	1		2	0.696598	5	0.8522184	10	0.9005872	20	0.8573433	40	0.9409251
Pentachlorophenol	1		2		5	~~4.610648E-02~~	10	7.210099E-02	20	0.1405664	40	0.1822092
Phenanthrene	1	1.280185	2	1.196134	5	1.196579	10	1.155489	20	1.138632	40	1.081193
Phenol	1	1.852644	2	1.758561	5	1.865164	10	1.833856	20	1.773614	40	1.743435
Phenol-d6	2	1.56719	4	1.525349	10	1.650296	20	1.601461	40	1.550825	80	1.500835
Pyrene	1	1.342952	2	1.410732	5	1.722922	10	1.421124	20	1.353002	40	1.385476
Pyridine	1		2	1.079029	5	1.494812	10	1.431858	20	1.554576	40	1.711064
Terphenyl-d14	1		2	0.8930057	5	0.9941025	10	0.8812743	20	0.8498471	40	0.8061945
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	1		2		5	0.2709762	10	0.3101752	20	0.3611376	40	0.3931623
2,4,6-Tribromophenol	2		4		10	0.1237667	20	0.1451633	40	0.1743561	80	0.1679238
1,2,4-Trichlorobenzene	1	0.4614751	2	0.3719559	5	0.3902296	10	0.4020289	20	0.3784318	40	0.3948766
2,4,6-Trichlorophenol	1		2	0.2670491	5	0.3867995	10	0.4050053	20	0.4133697	40	0.4068492
2,4,5-Trichlorophenol	1		2		5	0.3838905	10	0.4176613	20	0.444445	40	0.4315143

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0362004	Instrument:	MS-BNA1
Matrix:	Water	Calibration Date:	12/18/2010 6:01:14PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3,3'-Dichlorobenzidine									1		2	
Acenaphthene	50	1.157337	60	1.07347	80	0.9563539	100	0.876854				
Acenaphthylene	50	1.909995	60	1.782575	80	1.568012	100	1.604714				
Acetophenone									1	1.664252	2	1.635957
Aniline	50	1.686277	60	1.694008	80	1.702525	100	1.537717				
Anthracene	50	1.075541	60	1.002611	80	0.862955	100	0.8725606				
Atrazine									1		2	0.2169208
Benzaldehyde									1	1.16207	2	1.159626
Benzidine									1		2	
Benzo(a)anthracene	50	1.103269	60	1.10339	80	1.07776	100	1.048295				
Benzo(a)pyrene	50	1.115838	60	1.052982	80	1.03274	100	1.02538				
Benzo(b)fluoranthene	50	1.178673	60	1.061235	80	1.124596	100	1.072386				
Benzo(g,h,i)perylene	50	0.7362696	60	0.8142672	80	0.7925369	100	0.8119577				
Benzoic acid	50	0.152768	60	0.167593	80	0.2222591	100	0.2230798				
Benzo(k)fluoranthene	50	1.283033	60	1.247808	80	1.157802	100	1.146402				
Benzyl alcohol	50	0.6901262	60	0.7609605	80	0.6920564	100	0.653107				
1,1-Biphenyl									1	~~1.930316~~	2	~~1.856173~~
4-Bromophenyl-phenylether	50	0.2543035	60	0.2412717	80	0.2375402	100	0.234117				
Butylbenzylphthalate	50	0.6875222	60	0.649047	80	0.6469656	100	0.6228524				
Caprolactam									1		2	~~7.464428E-02~~
Carbazole	50	0.9035019	60	0.9848856	80	0.8426092	100	0.8387098				
4-Chloro-3-methylphenol	50	0.2537659	60	0.2477758	80	0.2765246	100	0.2484046				
4-Chloroaniline	50	0.4750815	60	0.4300455	80	0.481565	100	0.4372817				
Bis(2-chloroethoxy)methane	50	0.463065	60	0.4360773	80	0.4487949	100	0.4085092				
Bis(2-chloroethyl)ether	50	1.25271	60	1.181188	80	1.206165	100	1.157768				
2,2'-Oxybis-1-chloropropane	50	1.925327	60	1.990244	80	1.921907	100	1.669166				
2-Chloronaphthalene	50	1.300071	60	1.105832	80	1.028633	100	1.043736				
2-Chlorophenol	50	1.36429	60	1.349684	80	1.246584	100	1.281325				
4-Chlorophenyl phenyl ether	50	0.7090751	60	0.6019215	80	0.5798786	100	0.5258909				
Chrysene	50	1.146423	60	1.10029	80	1.025912	100	0.9541531				
Dibenz(a,h)anthracene	50	0.6838794	60	0.7394652	80	0.7308747	100	0.7776032				

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Project: CTO154 OU3RI NAS Jacksonville_2010
Calibration: 0362004
Instrument: MS-BNA1
Matrix: Water
Calibration Date: 12/18/2010 6:01:14PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzofuran	50	1.622645	60	1.389883	80	1.351636	100	1.349081				
Di-n-butylphthalate	50	1.489128	60	1.309696	80	1.279657	100	1.147867				
1,4-Dichlorobenzene	50	1.455151	60	1.438712	80	1.355478	100	1.279162				
1,3-Dichlorobenzene	50	1.453221	60	1.487939	80	1.422499	100	1.269031				
1,2-Dichlorobenzene	50	1.295582	60	1.372017	80	1.252802	100	1.100628				
2,6-Dichlorophenol									1		2	0.2764339
2,4-Dichlorophenol	50	0.3093473	60	0.3049251	80	0.3202377	100	0.3120303				
Diethylphthalate	50	1.408167	60	1.325167	80	1.222743	100	1.104301				
2,4-Dimethylphenol	50	0.3261859	60	0.2956195	80	0.3205089	100	0.308093				
Dimethyl phthalate	50	1.252524	60	1.263922	80	1.077461	100	1.163947				
4,6-Dinitro-2-methylphenol	50	0.1534864	60	0.159578	80	0.178445	100	0.1795628				
2,4-Dinitrophenol	50	0.1514503	60	0.1663726	80	0.1816319	100	0.1961529				
2,4-Dinitrotoluene	50	0.4238763	60	0.3821128	80	0.3921351	100	0.4067588				
2,6-Dinitrotoluene	50	0.3656241	60	0.3696685	80	0.3346456	100	0.3629225				
Di-n-octylphthalate	50	1.45699	60	1.462162	80	1.432999	100	1.414418				
1,2-Diphenylhydrazine	50	0.7930407	60	0.7531774	80	0.7317764	100	0.7049986				
Bis(2-ethylhexyl)phthalate	50	0.845221	60	0.7951258	80	0.8232879	100	0.7467134				
Fluoranthene	50	1.149035	60	1.043634	80	0.9411585	100	0.96472				
Fluorene	50	1.364597	60	1.18745	80	1.096831	100	1.033826				
2-Fluorobiphenyl	50	1.408474	60	1.22082	80	1.0449	100	1.128293				
2-Fluorophenol	100	1.155713	120	1.283948	160	1.222573	200	1.123623				
Hexachlorobenzene	50	0.2945907	60	0.2755779	80	0.2599553	100	0.2623003				
Hexachlorobutadiene	50	0.205004	60	0.1884661	80	0.1862815	100	0.1910898				
Hexachlorocyclopentadiene	50	0.4057775	60	0.3569486	80	0.3942583	100	0.3679152				
Hexachloroethane	50	0.5452072	60	0.5604655	80	0.5306652	100	0.4934562				
Indeno(1,2,3-cd)pyrene	50	0.8597233	60	0.878046	80	0.9106019	100	0.9521201				
Isophorone	50	0.6811175	60	0.6720164	80	0.7341954	100	0.6693151				
1-Methylnaphthalene	50	0.5604303	60	0.4683669	80	0.5152476	100	0.4701138				
2-Methylnaphthalene	50	0.5204943	60	0.448567	80	0.5262981	100	0.4577817				
2-Methylphenol	50	1.035035	60	1.080094	80	1.048395	100	0.9185301				
3-Methylphenol	50	0.9491418	60	1.116248	80	1.085917	100	0.9420685				

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0362004	Instrument:	MS-BNA1
Matrix:	Water	Calibration Date:	12/18/2010 6:01:14PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
4-Methylphenol	50	0.9491418	60	1.116248	80	1.085917	100	0.9420685				
Naphthalene	50	0.9545722	60	0.9490683	80	0.7972511	100	0.7969216				
4-Nitroaniline	50	0.2694671	60	0.2795864	80	0.3209442	100	0.2843044				
3-Nitroaniline	50	0.4226482	60	0.3903727	80	0.3967867	100	0.3841121				
2-Nitroaniline	50	0.3123446	60	0.320402	80	0.319308	100	0.3307581				
Nitrobenzene	50	0.354891	60	0.327837	80	0.3554849	100	0.3278463				
Nitrobenzene-d5	50	0.3599085	60	0.3453101	80	0.3596853	100	0.3487001				
4-Nitrophenol	50	0.1882538	60	0.1786304	80	0.1817791	100	0.1948128				
2-Nitrophenol	50	0.2083326	60	0.224648	80	0.2451794	100	0.2315352				
N-Nitrosodimethylamine	50	0.5282803	60	0.5897694	80	0.5686201	100	0.531806				
N-Nitrosodiphenylamine	50	0.6175854	60	0.6414693	80	0.6185743	100	0.5786553				
N-Nitroso-di-n-propylamine	50	0.6849062	60	0.8706108	80	0.8673492	100	0.7239541				
Pentachlorophenol	50	0.1703219	60	0.1698432	80	0.1837787	100	0.1847835				
Phenanthrene	50	1.032581	60	1.01939	80	0.896821	100	0.7990773				
Phenol	50	1.589201	60	1.563636	80	1.551373	100	1.44682				
Phenol-d6	100	1.369831	120	1.37085	160	1.348401	200	1.212943				
Pyrene	50	1.297955	60	1.217787	80	1.179459	100	1.128589				
Pyridine	50	1.456262	60	1.617267	80	1.630525	100	1.49529				
Terphenyl-d14	50	0.8777599	60	0.8875144	80	0.8196086	100	0.7892714				
1,2,4,5-Tetrachlorobenzene									1		2	
2,3,4,6-Tetrachlorophenol	50	0.4294384	60	0.3476694	80	0.3691118	100	0.3524071				
2,4,6-Tribromophenol	100	0.1609448	120	0.1677941	160	0.1400498	200	0.1485775				
1,2,4-Trichlorobenzene	50	0.3518812	60	0.3491734	80	0.3616659	100	0.3262202				
2,4,6-Trichlorophenol	50	0.4649362	60	0.4129211	80	0.3903364	100	0.3945285				
2,4,5-Trichlorophenol	50	0.4973001	60	0.4563307	80	0.4053369	100	0.3878787				

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0362004	Instrument:	MS-BNA1
Matrix:	Water	Calibration Date:	12/18/2010 6:01:14PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3,3'-Dichlorobenzidine	5	0.2892264	10	0.2707547	20	0.3677178	40	0.3948175	50	0.3975328	60	0.3798616
Acenaphthene												
Acenaphthylene												
Acetophenone	5	1.656271	10	1.588346	20	1.461199	40	1.431312	50	1.400799	60	1.374353
Aniline												
Anthracene												
Atrazine	5	0.2055336	10	0.2449893	20	0.2372857	40	0.2168858	50	0.2261804	60	0.1965325
Benzaldehyde	5	1.167151	10	1.099565	20	1.143829	40	0.9612038	50	0.919317	60	0.9676847
Benzidine	5	~~0.3303748~~	10	0.3156317	20	0.524796	40	0.612317	50	0.5542858	60	0.5595175
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzoic acid												
Benzo(k)fluoranthene												
Benzyl alcohol												
1,1-Biphenyl	5	1.73065	10	1.828596	20	1.547061	40	1.389215	50	1.460006	60	1.349549
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	5	9.469835E-02	10	0.109958	20	0.1157518	40	0.1285406	50	0.1032598	60	0.1285285
Carbazole												
4-Chloro-3-methylphenol												
4-Chloroaniline												
Bis(2-chloroethoxy)methane												
Bis(2-chloroethyl)ether												
2,2'-Oxybis-1-chloropropane												
2-Chloronaphthalene												
2-Chlorophenol												
4-Chlorophenyl phenyl ether												
Chrysene												
Dibenz(a,h)anthracene												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0362004	Instrument:	MS-BNA1
Matrix:	Water	Calibration Date:	12/18/2010 6:01:14PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzofuran												
Di-n-butylphthalate												
1,4-Dichlorobenzene												
1,3-Dichlorobenzene												
1,2-Dichlorobenzene												
2,6-Dichlorophenol	5	0.3228983	10	0.3456558	20	0.3418019	40	0.3188803	50	0.308649	60	0.3279657
2,4-Dichlorophenol												
Diethylphthalate												
2,4-Dimethylphenol												
Dimethyl phthalate												
4,6-Dinitro-2-methylphenol												
2,4-Dinitrophenol												
2,4-Dinitrotoluene												
2,6-Dinitrotoluene												
Di-n-octylphthalate												
1,2-Diphenylhydrazine												
Bis(2-ethylhexyl)phthalate												
Fluoranthene												
Fluorene												
2-Fluorobiphenyl												
2-Fluorophenol												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
1-Methylnaphthalene												
2-Methylnaphthalene												
2-Methylphenol												
3-Methylphenol												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0362004	Instrument:	MS-BNA1
Matrix:	Water	Calibration Date:	12/18/2010 6:01:14PM

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
4-Methylphenol												
Naphthalene												
4-Nitroaniline												
3-Nitroaniline												
2-Nitroaniline												
Nitrobenzene												
Nitrobenzene-d5												
4-Nitrophenol												
2-Nitrophenol												
N-Nitrosodimethylamine												
N-Nitrosodiphenylamine												
N-Nitroso-di-n-propylamine												
Pentachlorophenol												
Phenanthrene												
Phenol												
Phenol-d6												
Pyrene												
Pyridine												
Terphenyl-d14												
1,2,4,5-Tetrachlorobenzene	5	0.3792186	10	0.3961495	20	0.3861099	40	0.3604219	50	0.3322253	60	0.3180726
2,3,4,6-Tetrachlorophenol												
2,4,6-Tribromophenol												
1,2,4-Trichlorobenzene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0362004	Instrument:	MS-BNA1
Matrix:	Water	Calibration Date:	12/18/2010 6:01:14PM

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3,3'-Dichlorobenzidine	80	0.3891003	100	0.360098								
Acenaphthene												
Acenaphthylene												
Acetophenone	80	1.509867	100	1.191472								
Aniline												
Anthracene												
Atrazine	80	0.2124015	100	0.2054991								
Benzaldehyde	80	0.9814419	100	0.7416367								
Benzidine	80	0.5839142	100	0.5260856								
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzoic acid												
Benzo(k)fluoranthene												
Benzyl alcohol												
1,1-Biphenyl	80	1.310838	100	1.176319								
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	80	0.1340829	100	0.1205364								
Carbazole												
4-Chloro-3-methylphenol												
4-Chloroaniline												
Bis(2-chloroethoxy)methane												
Bis(2-chloroethyl)ether												
2,2'-Oxybis-1-chloropropane												
2-Chloronaphthalene												
2-Chlorophenol												
4-Chlorophenyl phenyl ether												
Chrysene												
Dibenz(a,h)anthracene												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0362004	Instrument:	MS-BNA1
Matrix:	Water	Calibration Date:	12/18/2010 6:01:14PM

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Dibenzofuran												
Di-n-butylphthalate												
1,4-Dichlorobenzene												
1,3-Dichlorobenzene												
1,2-Dichlorobenzene												
2,6-Dichlorophenol	80	0.2876442	100	0.2843447								
2,4-Dichlorophenol												
Diethylphthalate												
2,4-Dimethylphenol												
Dimethyl phthalate												
4,6-Dinitro-2-methylphenol												
2,4-Dinitrophenol												
2,4-Dinitrotoluene												
2,6-Dinitrotoluene												
Di-n-octylphthalate												
1,2-Diphenylhydrazine												
Bis(2-ethylhexyl)phthalate												
Fluoranthene												
Fluorene												
2-Fluorobiphenyl												
2-Fluorophenol												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
1-Methylnaphthalene												
2-Methylnaphthalene												
2-Methylphenol												
3-Methylphenol												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0362004	Instrument:	MS-BNA1
Matrix:	Water	Calibration Date:	12/18/2010 6:01:14PM

Compound	Level 19		Level 20		Level 21		Level 22		Level 23		Level 24	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
4-Methylphenol												
Naphthalene												
4-Nitroaniline												
3-Nitroaniline												
2-Nitroaniline												
Nitrobenzene												
Nitrobenzene-d5												
4-Nitrophenol												
2-Nitrophenol												
N-Nitrosodimethylamine												
N-Nitrosodiphenylamine												
N-Nitroso-di-n-propylamine												
Pentachlorophenol												
Phenanthrene												
Phenol												
Phenol-d6												
Pyrene												
Pyridine												
Terphenyl-d14												
1,2,4,5-Tetrachlorobenzene	80	0.2946534	100	0.276244								
2,3,4,6-Tetrachlorophenol												
2,4,6-Tribromophenol												
1,2,4-Trichlorobenzene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0362004	Instrument:	MS-BNA1
Matrix:	Water	Calibration Date:	12/18/2010 6:01:14PM

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3,3'-Dichlorobenzidine	0.3561386	13.74607	14.00913	1.853712E-02			CCC (20)	
Acenaphthene	1.158212	14.29994	9.0893	6.863698E-02			CCC (20)	
Acenaphthylene	1.891103	11.23367	8.8751	5.824126E-02			CCC (20)	
Acetophenone	1.491383	10.09705	5.9345	3.533817E-02			CCC (20)	
Aniline	1.814495	8.712649	5.0947	0.1061016			CCC (20)	
Anthracene	1.061887	11.50453	10.9213	4.956257E-02			CCC (20)	
Atrazine	0.2180254	7.203989	10.55367	8.976036E-02			CCC (20)	
Benzaldehyde	1.030353	13.61947	4.9567	3.368076E-02			CCC (20)	
Benzidine	0.5252211	18.55429	12.485	2.056556E-02		0.9933875	CCC (20)	
Benzo(a)anthracene	1.118893	3.791406	14.0132	2.141849E-02			CCC (20)	
Benzo(a)pyrene	1.004932	13.00593	15.629	4.329081E-02			CCC (20)	
Benzo(b)fluoranthene	1.095916	8.306519	15.26688	3.715737E-02			CCC (20)	
Benzo(g,h,i)perylene	0.7554867	8.063221	17.10713	0.0522402			CCC (20)	
Benzoic acid	0.1412433	53.15864	6.784714	0.7332219		0.9914056	CCC (20)	*
Benzo(k)fluoranthene	1.257887	9.666064	15.29933	5.295254E-02			CCC (20)	
Benzyl alcohol	0.7414899	10.21932	5.6468	0.1073651			CCC (20)	
1,1-Biphenyl	1.474029	14.84233	8.37475	5.904494E-02			CCC (20)	
4-Bromophenyl-phenylether	0.2483237	5.338416	10.3185	3.246559E-02			CCC (20)	
Butylbenzylphthalate	0.6249408	8.167292	13.416	1.919134E-02			CCC (20)	
Caprolactam	0.1169195	11.68998	7.443	0.305151			CCC (20)	
Carbazole	0.9724047	9.694398	11.1316	0.0413017			CCC (20)	
4-Chloro-3-methylphenol	0.2456948	8.186533	7.667444	6.040722E-02			CCC (20)	
4-Chloroaniline	0.4601545	4.713541	7.0595	5.065824E-02			CCC (20)	
Bis(2-chloroethoxy)methane	0.4619607	7.81565	6.7025	0.1092234			CCC (20)	
Bis(2-chloroethyl)ether	1.28714	6.76312	5.1907	0.1134156			CCC (20)	
2,2'-Oxybis-1-chloropropane	2.042516	9.79913	5.8131	7.244105E-02			CCC (20)	
2-Chloronaphthalene	1.215542	11.50754	8.3821	6.350785E-02			CCC (20)	
2-Chlorophenol	1.374726	6.133877	5.2255	4.223994E-02			CCC (20)	
4-Chlorophenyl phenyl ether	0.6417793	9.286445	9.7325	3.644994E-02			CCC (20)	
Chrysene	1.17179	10.57778	14.054	5.595642E-02			CCC (20)	
Dibenz(a,h)anthracene	0.6639614	17.30742	16.8445	4.159269E-02	0.9971858		CCC (20)	
Dibenzofuran	1.589755	11.16221	9.2984	5.427527E-02			CCC (20)	

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0362004	Instrument:	MS-BNA1
Matrix:	Water	Calibration Date:	12/18/2010 6:01:14PM

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Di-n-butylphthalate	1.363182	9.847762	11.615	3.805597E-02			CCC (20)	
1,4-Dichlorobenzene	1.479315	6.637054	5.482	5.867455E-02			CCC (20)	
1,3-Dichlorobenzene	1.504545	7.519585	5.3966	3.201965E-02			CCC (20)	
1,2-Dichlorobenzene	1.412773	12.37593	5.6559	2.437379E-02			CCC (20)	
2,6-Dichlorophenol	0.3126971	8.052077	7.060778	3.303276E-02			15	
2,4-Dichlorophenol	0.3078656	5.011903	6.8009	7.686769E-02			CCC (20)	
Diethylphthalate	1.341364	11.18514	9.635286	5.717583E-02			CCC (20)	
2,4-Dimethylphenol	0.3101379	4.520934	6.601222	0.1065945			CCC (20)	
Dimethyl phthalate	1.287341	10.51153	8.78025	0.1342213			CCC (20)	
4,6-Dinitro-2-methylphenol	0.1397071	34.78978	9.802286	0.1288307	0.9974412		CCC (20)	*
2,4-Dinitrophenol	0.1320693	45.30627	9.150857	8.498765E-02		0.9967507	CCC (20)	*
2,4-Dinitrotoluene	0.3776842	15.36291	9.312125	0.1020181	0.9956458		CCC (20)	
2,6-Dinitrotoluene	0.3424953	11.08749	8.831625	0.1060668			CCC (20)	
Di-n-octylphthalate	1.294711	22.16871	14.90171	1.483539E-02	0.9968773		CCC (20)	*
1,2-Diphenylhydrazine	0.8207919	9.68715	9.922	5.045649E-02			CCC (20)	
Bis(2-ethylhexyl)phthalate	0.7833096	11.84578	14.13843	2.094629E-02			CCC (20)	
Fluoranthene	1.101978	10.57929	12.2919	4.765323E-02			CCC (20)	
Fluorene	1.2694	10.2778	9.71	4.731986E-02			CCC (20)	
2-Fluorobiphenyl	1.335882	12.27071	8.2631	3.988867E-02			CCC (20)	
2-Fluorophenol	1.268175	6.87474	4.0035	8.664369E-02			CCC (20)	
Hexachlorobenzene	0.2933641	7.288823	10.3804	0.0528239			CCC (20)	
Hexachlorobutadiene	0.2005462	5.992858	7.151111	4.343702E-02			CCC (20)	
Hexachlorocyclopentadiene	0.3593771	12.41399	8.011125	1.441213E-02			CCC (20)	
Hexachloroethane	0.5747469	8.915124	6.0437	3.935189E-02			CCC (20)	
Indeno(1,2,3-cd)pyrene	0.842443	13.64429	16.82237	3.707439E-02			CCC (20)	
Isophorone	0.7029211	4.306087	6.425375	0.119834			CCC (20)	
1-Methylnaphthalene	0.5420947	8.67814	7.9182	5.411778E-02			CCC (20)	
2-Methylnaphthalene	0.5291538	8.531085	7.8047	0.0352344			CCC (20)	
2-Methylphenol	1.091088	9.197364	5.7956	0.0658841			CCC (20)	
3-Methylphenol	1.084733	9.91475	5.9863	0.1342931			CCC (20)	
4-Methylphenol	1.084733	9.91475	5.9863	0.1342931			CCC (20)	
Naphthalene	0.9686374	11.16622	6.971667	6.066103E-02			CCC (20)	

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0362004	Instrument:	MS-BNA1
Matrix:	Water	Calibration Date:	12/18/2010 6:01:14PM

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4-Nitroaniline	0.274633	9.568577	9.758375	0.1446812			CCC (20)	
3-Nitroaniline	0.3791395	9.873316	9.024375	0.1126044			CCC (20)	
2-Nitroaniline	0.2983051	14.13219	8.5225	7.053652E-02			CCC (20)	
Nitrobenzene	0.3472915	3.633122	6.13175	9.818485E-02			CCC (20)	
Nitrobenzene-d5	0.3378513	6.332655	6.1091	7.110683E-02			CCC (20)	
4-Nitrophenol	0.1686802	19.4349	9.266571	0.1040449	0.9970496		CCC (20)	
2-Nitrophenol	0.2082983	14.5601	6.50725	0.0466271			CCC (20)	
N-Nitrosodimethylamine	0.5404532	9.072787	2.409222	0.188559			CCC (20)	
N-Nitrosodiphenylamine	0.6683254	8.697682	9.8824	8.152393E-02			CCC (20)	
N-Nitroso-di-n-propylamine	0.8216103	11.46883	5.965444	0.1554278			CCC (20)	
Pentachlorophenol	0.1576577	25.81916	10.62586	3.551647E-02	0.9974932		CCC (20)	*
Phenanthrene	1.079608	13.62309	10.8597	5.063865E-02			CCC (20)	
Phenol	1.69783	8.697325	5.1152	0.2175782			CCC (20)	
Phenol-d6	1.469798	9.364761	5.1008	0.2206916			CCC (20)	
Pyrene	1.346	12.31461	12.5586	4.906139E-02			CCC (20)	
Pyridine	1.496743	12.09185	2.411	0.3967962			CCC (20)	
Terphenyl-d14	0.8665087	7.049283	12.79067	3.376688E-02			CCC (20)	
1,2,4,5-Tetrachlorobenzene	0.3428869	12.96305	8.011125	2.979072E-02			CCC (20)	
2,3,4,6-Tetrachlorophenol	0.3542598	13.64632	9.464375	4.771478E-02			CCC (20)	
2,4,6-Tribromophenol	0.153572	11.17439	10.00625	0.0738055			CCC (20)	
1,2,4-Trichlorobenzene	0.3787939	9.82728	6.8905	5.750424E-02			CCC (20)	
2,4,6-Trichlorophenol	0.3935328	13.39547	8.159555	4.247603E-02			CCC (20)	
2,4,5-Trichlorophenol	0.4280447	8.85813	8.197625	5.860378E-02			CCC (20)	

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	MS-BNA1	Calibration:	0362004
Lab File ID:	SEQ-ICV1.D	Calibration Date:	12/18/10 18:01
Sequence:	0L35702	Injection Date:	12/19/10
Lab Sample ID:	0L35702-ICV1	Injection Time:	03:38

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	47.93	1.158212	1.110342	0.9	-4.1	20
Acenaphthylene	A	50.00	45.00	1.891103	1.702102	0.9	-10.0	20
Acetophenone	A	50.00	48.29	1.491383	1.440482	0.01	-3.4	20
Anthracene	A	50.00	49.38	1.061887	1.048711	0.7	-1.2	20
Atrazine	A	50.00	43.66	0.2180254	0.1903756	0.01	-12.7	20
Benzaldehyde	A	50.00	43.80	1.030353	0.9025793	0.01	-12.4	20
1,1-Biphenyl	A	50.00	41.87	1.474029	1.234423	0.01	-16.3	20
4-Bromophenyl-phenylether	A	50.00	52.00	0.2483237	0.2582525	0.1	4.0	20
Butylbenzylphthalate	A	50.00	55.16	0.6249408	0.6894927	0.01	10.3	20
Carbazole	A	50.00	50.47	0.9724047	0.9816045	0.01	0.9	20
4-Chloro-3-methylphenol	A	50.00	55.48	0.2456948	0.2726439	0.2	11.0	20
4-Chloroaniline	A	50.00	48.94	0.4601545	0.4504155	0.01	-2.1	20
Bis(2-chloroethoxy)methane	A	50.00	47.74	0.4619607	0.441091	0.3	-4.5	20
Bis(2-chloroethyl)ether	A	50.00	51.32	1.28714	1.321147	0.7	2.6	20
2,2'-Oxybis-1-chloropropane	A	50.00	47.57	2.042516	1.94344	0.01	-4.9	20
2-Chloronaphthalene	A	50.00	54.25	1.215542	1.318904	0.8	8.5	20
2-Chlorophenol	A	50.00	49.73	1.374726	1.3673	0.8	-0.5	20
4-Chlorophenyl phenyl ether	A	50.00	46.50	0.6417793	0.5968565	0.4	-7.0	20
Chrysene	A	50.00	45.67	1.17179	1.070254	0.7	-8.7	20
Dibenzofuran	A	50.00	47.75	1.589755	1.518321	0.8	-4.5	20
Di-n-butylphthalate	A	50.00	54.83	1.363182	1.494901	0.01	9.7	20
2,4-Dichlorophenol	A	50.00	54.75	0.3078656	0.3371061	0.2	9.5	20
Diethylphthalate	A	50.00	49.32	1.341364	1.323204	0.01	-1.4	20
2,4-Dimethylphenol	A	50.00	49.35	0.3101379	0.3060793	0.2	-1.3	20
Dimethyl phthalate	A	50.00	52.04	1.287341	1.339882	0.01	4.1	20
4,6-Dinitro-2-methylphenol	L	50.00	51.10	0.1397071	0.165349	0.01	2.2	20
2,4-Dinitrophenol	Q	50.00	54.92	0.1320693	0.1707222	0.01	9.8	20
2,4-Dinitrotoluene	L	50.00	51.53	0.3776842	0.4129243	0.2	3.1	20
2,6-Dinitrotoluene	A	50.00	52.01	0.3424953	0.3562346	0.2	4.0	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	MS-BNA1	Calibration:	0362004
Lab File ID:	SEQ-ICV1.D	Calibration Date:	12/18/10 18:01
Sequence:	0L35702	Injection Date:	12/19/10
Lab Sample ID:	0L35702-ICV1	Injection Time:	03:38

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Di-n-octylphthalate	L	50.00	57.02	1.294711	1.608453	0.01	14.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	57.09	0.7833096	0.8943582	0.01	14.2	20
Fluoranthene	A	50.00	49.07	1.101978	1.081539	0.6	-1.9	20
Fluorene	A	50.00	48.09	1.2694	1.22087	0.9	-3.8	20
Hexachlorobenzene	A	50.00	48.70	0.2933641	0.2857311	0.1	-2.6	20
Hexachlorobutadiene	A	50.00	51.47	0.2005462	0.2064304	0.01	2.9	20
Hexachlorocyclopentadiene	A	50.00	54.18	0.3593771	0.389443	0.05	8.4	20
Hexachloroethane	A	50.00	51.46	0.5747469	0.5915205	0.3	2.9	20
Isophorone	A	50.00	53.56	0.7029211	0.7529099	0.4	7.1	20
2-Methylphenol	A	50.00	49.81	1.091088	1.086859	0.7	-0.4	20
4-Methylphenol	A	50.00	53.59	1.084733	1.162538	0.6	7.2	20
Naphthalene	A	50.00	49.60	0.9686374	0.9609029	0.7	-0.8	20
4-Nitroaniline	A	50.00	41.61	0.274633	0.2285265	0.01	-16.8	20
3-Nitroaniline	A	50.00	45.94	0.3791395	0.3483779	0.01	-8.1	20
Nitrobenzene	A	50.00	53.85	0.3472915	0.3740237	0.2	7.7	20
4-Nitrophenol	L	50.00	50.26	0.1686802	0.1824608	0.01	0.5	20
N-Nitrosodiphenylamine	A	50.00	47.07	0.6683254	0.6291773	0.01	-5.9	20
N-Nitroso-di-n-propylamine	A	50.00	53.45	0.8216103	0.8782842	0.5	6.9	20
Pentachlorophenol	L	50.00	51.10	0.1576577	0.1778665	0.05	2.2	20
Phenanthrene	A	50.00	48.00	1.079608	1.036319	0.7	-4.0	20
Phenol	A	50.00	48.02	1.69783	1.630678	0.8	-4.0	20
Pyrene	A	50.00	47.79	1.346	1.286604	0.6	-4.4	20
2,4,6-Trichlorophenol	A	50.00	56.73	0.3935328	0.4465026	0.2	13.5	20
2,4,5-Trichlorophenol	A	50.00	54.52	0.4280447	0.4667338	0.2	9.0	20
2-Fluorobiphenyl	A	50.00	45.32	1.335882	1.21073	0.01	-9.4	20
2-Fluorophenol	A	100.0	95.12	1.268175	1.206292	0.01	-4.9	20
Nitrobenzene-d5	A	50.00	54.60	0.3378513	0.3689055	0.01	9.2	20
Phenol-d6	A	100.0	92.37	1.469798	1.357598	0.01	-7.6	20
Terphenyl-d14	A	50.00	48.13	0.8665087	0.8340641	0.01	-3.7	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	MS-BNA1	Calibration:	0362004
Lab File ID:	SEQ-ICV1.D	Calibration Date:	12/18/10 18:01
Sequence:	0L35702	Injection Date:	12/19/10
Lab Sample ID:	0L35702-ICV1	Injection Time:	03:38

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4,6-Tribromophenol	A	100.0	103.4	0.153572	0.1587617	0.01	3.4	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	MS-BNA1	Calibration:	0362004
Lab File ID:	SEQ-ICV2.D	Calibration Date:	12/18/10 18:01
Sequence:	0L35702	Injection Date:	12/19/10
Lab Sample ID:	0L35702-ICV2	Injection Time:	04:05

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
3,3'-Dichlorobenzidine	A	50.00	52.75	0.3561386	0.3757319	0.01	5.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	MS-BNA1	Calibration:	0362004
Lab File ID:	SEQ-ICV3.D	Calibration Date:	12/18/10 18:01
Sequence:	0L35702	Injection Date:	12/22/10
Lab Sample ID:	0L35702-ICV3	Injection Time:	17:47

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Caprolactam	A	50.00	58.27	0.1169195	0.1362487	0.01	16.5	20
2-Nitroaniline	A	50.00	52.06	0.2983051	0.3106067	0.01	4.1	20
2-Nitrophenol	A	50.00	53.21	0.2082983	0.22166	0.1	6.4	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	MS-BNA1	Calibration:	0362004
Lab File ID:	SEQ-CCV1x.D	Calibration Date:	12/18/10 18:01
Sequence:	0L36407	Injection Date:	12/28/10
Lab Sample ID:	0L36407-CCV1	Injection Time:	15:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
3,3'-Dichlorobenzidine	A	50.00	40.11	0.3561386	0.2856936	0.01	-19.8	20	
Acenaphthene	A	50.00	46.51	1.158212	1.077411	0.9	-7.0	20	
Acenaphthylene	A	50.00	45.08	1.891103	1.704954	0.9	-9.8	20	
Acetophenone	A	50.00	47.78	1.491383	1.425187	0.01	-4.4	20	
Anthracene	A	50.00	53.16	1.061887	1.129097	0.7	6.3	20	
Atrazine	A	50.00	43.09	0.2180254	0.187889	0.01	-13.8	20	
Benzaldehyde	A	50.00	25.63	1.030353	0.5280874	0.01	-48.7	20	*
1,1-Biphenyl	A	50.00	39.57	1.474029	1.166567	0.01	-20.9	20	*
4-Bromophenyl-phenylether	A	50.00	49.02	0.2483237	0.2434594	0.1	-2.0	20	
Butylbenzylphthalate	A	50.00	57.74	0.6249408	0.7217371	0.01	15.5	20	
Caprolactam	A	50.00	63.29	0.1169195	0.1479957	0.01	26.6	20	*
Carbazole	A	50.00	44.98	0.9724047	0.8747346	0.01	-10.0	20	
4-Chloro-3-methylphenol	A	50.00	60.80	0.2456948	0.2987928	0.2	21.6	20	*
4-Chloroaniline	A	50.00	43.05	0.4601545	0.3962197	0.01	-13.9	20	
Bis(2-chloroethoxy)methane	A	50.00	51.02	0.4619607	0.4714102	0.3	2.0	20	
Bis(2-chloroethyl)ether	A	50.00	53.84	1.28714	1.385867	0.7	7.7	20	
2,2'-Oxybis-1-chloropropane	A	50.00	48.60	2.042516	1.985514	0.01	-2.8	20	
2-Chloronaphthalene	A	50.00	52.04	1.215542	1.265077	0.8	4.1	20	
2-Chlorophenol	A	50.00	52.56	1.374726	1.445214	0.8	5.1	20	
4-Chlorophenyl phenyl ether	A	50.00	48.42	0.6417793	0.6214945	0.4	-3.2	20	
Chrysene	A	50.00	48.80	1.17179	1.143805	0.7	-2.4	20	
Dibenzofuran	A	50.00	47.86	1.589755	1.521713	0.8	-4.3	20	
Di-n-butylphthalate	A	50.00	50.13	1.363182	1.36685	0.01	0.3	20	
2,4-Dichlorophenol	A	50.00	52.93	0.3078656	0.3259287	0.2	5.9	20	
Diethylphthalate	A	50.00	51.08	1.341364	1.370223	0.01	2.2	20	
2,4-Dimethylphenol	A	50.00	56.47	0.3101379	0.3502923	0.2	12.9	20	
Dimethyl phthalate	A	50.00	48.68	1.287341	1.253429	0.01	-2.6	20	
4,6-Dinitro-2-methylphenol	L	50.00	52.05	0.1397071	0.1691058	0.01	4.1	20	
2,4-Dinitrophenol	Q	50.00	63.50	0.1320693	0.2082047	0.01	27.0	20	*

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	MS-BNA1	Calibration:	0362004
Lab File ID:	SEQ-CCV1x.D	Calibration Date:	12/18/10 18:01
Sequence:	0L36407	Injection Date:	12/28/10
Lab Sample ID:	0L36407-CCV1	Injection Time:	15:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dinitrotoluene	L	50.00	55.54	0.3776842	0.44572	0.2	11.1	20	
2,6-Dinitrotoluene	A	50.00	51.94	0.3424953	0.3558163	0.2	3.9	20	
Di-n-octylphthalate	L	50.00	63.63	1.294711	1.807086	0.01	27.3	20	*
Bis(2-ethylhexyl)phthalate	A	50.00	58.44	0.7833096	0.9154611	0.01	16.9	20	
Fluoranthene	A	50.00	46.85	1.101978	1.032487	0.6	-6.3	20	
Fluorene	A	50.00	47.69	1.2694	1.210662	0.9	-4.6	20	
Hexachlorobenzene	A	50.00	50.67	0.2933641	0.2972884	0.1	1.3	20	
Hexachlorobutadiene	A	50.00	49.55	0.2005462	0.1987599	0.01	-0.9	20	
Hexachlorocyclopentadiene	A	50.00	48.00	0.3593771	0.3450336	0.05	-4.0	20	
Hexachloroethane	A	50.00	51.01	0.5747469	0.5863689	0.3	2.0	20	
Isophorone	A	50.00	57.32	0.7029211	0.8059105	0.4	14.7	20	
2-Methylphenol	A	50.00	50.34	1.091088	1.098463	0.7	0.7	20	
4-Methylphenol	A	50.00	55.03	1.084733	1.193947	0.6	10.1	20	
Naphthalene	A	50.00	50.08	0.9686374	0.9701187	0.7	0.2	20	
4-Nitroaniline	A	50.00	58.02	0.274633	0.3187073	0.01	16.0	20	
3-Nitroaniline	A	50.00	47.57	0.3791395	0.3607224	0.01	-4.9	20	
2-Nitroaniline	A	50.00	64.72	0.2983051	0.3861263	0.01	29.4	20	*
Nitrobenzene	A	50.00	54.69	0.3472915	0.3798878	0.2	9.4	20	
4-Nitrophenol	L	50.00	59.30	0.1686802	0.218738	0.01	18.6	20	
2-Nitrophenol	A	50.00	60.18	0.2082983	0.2506941	0.1	20.4	20	*
N-Nitrosodiphenylamine	A	50.00	47.43	0.6683254	0.6340357	0.01	-5.1	20	
N-Nitroso-di-n-propylamine	A	50.00	56.20	0.8216103	0.9235805	0.5	12.4	20	
Pentachlorophenol	L	50.00	53.02	0.1576577	0.1854122	0.05	6.0	20	
Phenanthrene	A	50.00	48.97	1.079608	1.057401	0.7	-2.1	20	
Phenol	A	50.00	46.02	1.69783	1.562715	0.8	-8.0	20	
Pyrene	A	50.00	45.38	1.346	1.221533	0.6	-9.2	20	
2,4,6-Trichlorophenol	A	50.00	50.66	0.3935328	0.3987417	0.2	1.3	20	
2,4,5-Trichlorophenol	A	50.00	48.75	0.4280447	0.4173437	0.2	-2.5	20	
2-Fluorobiphenyl	A	50.00	47.29	1.335882	1.263527	0.01	-5.4	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	MS-BNA1	Calibration:	0362004
Lab File ID:	SEQ-CCV1x.D	Calibration Date:	12/18/10 18:01
Sequence:	0L36407	Injection Date:	12/28/10
Lab Sample ID:	0L36407-CCV1	Injection Time:	15:41

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2-Fluorophenol	A	100.0	99.16	1.268175	1.257561	0.01	-0.8	20
Nitrobenzene-d5	A	50.00	57.31	0.3378513	0.3872271	0.01	14.6	20
Phenol-d6	A	100.0	99.00	1.469798	1.455048	0.01	-1.0	20
Terphenyl-d14	A	50.00	47.44	0.8665087	0.8222015	0.01	-5.1	20
2,4,6-Tribromophenol	A	100.0	92.15	0.153572	0.1415211	0.01	-7.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2(

Matrix: Laboratory ID: 0L13015-BLK1 File ID: L13015B1x.D

Sampled: Prepared: Analyzed: 12/28/10 17:20

Solids: Preparation: EXT_3510 Dilution:

Batch: 0L13015 Sequence: 0L36407 Calibration: 0362004 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		0.500	1.25	2.50	Q U
83-32-9	Acenaphthene		0.500	1.25	2.50	U
208-96-8	Acenaphthylene		0.500	1.25	2.50	U
98-86-2	Acetophenone		0.500	1.25	2.50	U
120-12-7	Anthracene		0.500	1.25	2.50	Q U
1912-24-9	Atrazine		0.500	1.25	2.50	Q U
100-52-7	Benzaldehyde		0.500	1.25	2.50	Y U
92-52-4	1,1-Biphenyl		0.250	1.25	2.50	Y U
101-55-3	4-Bromophenyl-phenylether		0.500	1.25	2.50	Q U
85-68-7	Butylbenzylphthalate		0.500	1.25	2.50	Q U
105-60-2	Caprolactam		0.500	1.25	2.50	X U
86-74-8	Carbazole		0.500	1.25	2.50	Q U
59-50-7	4-Chloro-3-methylphenol		0.500	1.25	2.50	X U
106-47-8	4-Chloroaniline		0.500	1.25	2.50	U
111-91-1	Bis(2-chloroethoxy)methane		0.500	1.25	2.50	U
111-44-4	Bis(2-chloroethyl)ether		0.500	1.25	2.50	U
108-60-1	2,2'-Oxybis-1-chloropropane		0.500	1.25	2.50	U
91-58-7	2-Chloronaphthalene		0.500	1.25	2.50	U
95-57-8	2-Chlorophenol		0.500	1.25	2.50	U
7005-72-3	4-Chlorophenyl phenyl ether		0.500	1.25	2.50	U
218-01-9	Chrysene		0.500	1.25	2.50	Q U
132-64-9	Dibenzofuran		0.500	1.25	2.50	U
84-74-2	Di-n-butylphthalate		0.650	1.25	2.50	Q U
120-83-2	2,4-Dichlorophenol		0.500	1.25	2.50	U
84-66-2	Diethylphthalate		0.500	1.25	2.50	Q U
105-67-9	2,4-Dimethylphenol		0.500	1.25	2.50	U
131-11-3	Dimethyl phthalate		0.500	1.25	2.50	Q U
534-52-1	4,6-Dinitro-2-methylphenol		1.25	2.50	5.00	Q U
51-28-5	2,4-Dinitrophenol		1.25	2.50	5.00	Q, X U
121-14-2	2,4-Dinitrotoluene		0.500	1.25	2.50	Q U
606-20-2	2,6-Dinitrotoluene		0.500	1.25	2.50	Q U
117-84-0	Di-n-octylphthalate		0.500	1.25	2.50	Q, X U
117-81-7	Bis(2-ethylhexyl)phthalate		0.650	1.25	2.50	Q U
206-44-0	Fluoranthene		0.500	1.25	2.50	Q U
86-73-7	Fluorene		0.500	1.25	2.50	U
118-74-1	Hexachlorobenzene		0.500	1.25	2.50	Q U
87-68-3	Hexachlorobutadiene		0.500	1.25	2.50	U
77-47-4	Hexachlorocyclopentadiene		0.500	1.25	2.50	U
67-72-1	Hexachloroethane		0.500	1.25	2.50	U
78-59-1	Isophorone		0.500	1.25	2.50	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2(

Matrix: Laboratory ID: 0L13015-BLK1 File ID: L13015B1x.D

Sampled: Prepared: Analyzed: 12/28/10 17:20

Solids: Preparation: EXT_3510 Dilution:

Batch: 0L13015 Sequence: 0L36407 Calibration: 0362004 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
95-48-7	2-Methylphenol		0.500	1.25	2.50	U
106-44-5	4-Methylphenol		0.500	1.25	2.50	U
91-20-3	Naphthalene		0.500	1.25	2.50	U
100-01-6	4-Nitroaniline		0.500	1.25	2.50	Q U
99-09-2	3-Nitroaniline		0.500	1.25	2.50	U
88-74-4	2-Nitroaniline		0.600	1.25	2.50	Q, X U
98-95-3	Nitrobenzene		0.500	1.25	2.50	U
100-02-7	4-Nitrophenol		0.500	1.25	2.50	U
88-75-5	2-Nitrophenol		0.500	1.25	2.50	X U
86-30-6	N-Nitrosodiphenylamine		0.500	1.25	2.50	U
621-64-7	N-Nitroso-di-n-propylamine		0.500	1.25	2.50	U
87-86-5	Pentachlorophenol		1.00	5.00	10.0	Q U
85-01-8	Phenanthrene		0.500	1.25	2.50	U
108-95-2	Phenol		0.500	1.25	2.50	U
129-00-0	Pyrene		0.500	1.25	2.50	U
88-06-2	2,4,6-Trichlorophenol		0.500	1.25	2.50	Q U
95-95-4	2,4,5-Trichlorophenol		0.500	1.25	2.50	Q U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	25.00	17.50	70.0	50 - 110	
2-Fluorophenol	50.00	24.40	48.8	20 - 110	
Nitrobenzene-d5	25.00	22.64	90.5	40 - 110	
Phenol-d6	50.00	17.45	34.9	10 - 110	
Terphenyl-d14	25.00	21.77	87.1	50 - 135	
2,4,6-Tribromophenol	50.00	49.78	99.6	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2(

Matrix: Laboratory ID: 0L13015-BS1 File ID: L13015L1x.D

Sampled: Prepared: Analyzed: 12/28/10 16:25

Solids: Preparation: EXT_3510 Dilution:

Batch: 0L13015 Sequence: 0L36407 Calibration: 0362004 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine	27.94	0.500	1.25	2.50	
83-32-9	Acenaphthene	22.71	0.500	1.25	2.50	
208-96-8	Acenaphthylene	22.57	0.500	1.25	2.50	
98-86-2	Acetophenone	20.02	0.500	1.25	2.50	
120-12-7	Anthracene	28.52	0.500	1.25	2.50	
1912-24-9	Atrazine	31.83	0.500	1.25	2.50	
100-52-7	Benzaldehyde	18.00	0.500	1.25	2.50	Y
92-52-4	1,1-Biphenyl	22.01	0.250	1.25	2.50	Y
101-55-3	4-Bromophenyl-phenylether	30.25	0.500	1.25	2.50	
85-68-7	Butylbenzylphthalate	37.09	0.500	1.25	2.50	
105-60-2	Caprolactam	6.152	0.500	1.25	2.50	X
86-74-8	Carbazole	31.01	0.500	1.25	2.50	
59-50-7	4-Chloro-3-methylphenol	27.55	0.500	1.25	2.50	X
106-47-8	4-Chloroaniline	18.59	0.500	1.25	2.50	
111-91-1	Bis(2-chloroethoxy)methane	22.76	0.500	1.25	2.50	
111-44-4	Bis(2-chloroethyl)ether	18.97	0.500	1.25	2.50	
108-60-1	2,2'-Oxybis-1-chloropropane	18.72	0.500	1.25	2.50	
91-58-7	2-Chloronaphthalene	20.06	0.500	1.25	2.50	
95-57-8	2-Chlorophenol	15.61	0.500	1.25	2.50	
7005-72-3	4-Chlorophenyl phenyl ether	26.74	0.500	1.25	2.50	
218-01-9	Chrysene	27.54	0.500	1.25	2.50	
132-64-9	Dibenzofuran	24.40	0.500	1.25	2.50	
84-74-2	Di-n-butylphthalate	32.96	0.650	1.25	2.50	
120-83-2	2,4-Dichlorophenol	21.87	0.500	1.25	2.50	
84-66-2	Diethylphthalate	33.36	0.500	1.25	2.50	
105-67-9	2,4-Dimethylphenol	21.64	0.500	1.25	2.50	
131-11-3	Dimethyl phthalate	31.05	0.500	1.25	2.50	
534-52-1	4,6-Dinitro-2-methylphenol	38.94	1.25	2.50	5.00	
51-28-5	2,4-Dinitrophenol	42.51	1.25	2.50	5.00	X
121-14-2	2,4-Dinitrotoluene	34.08	0.500	1.25	2.50	
606-20-2	2,6-Dinitrotoluene	32.71	0.500	1.25	2.50	
117-84-0	Di-n-octylphthalate	41.55	0.500	1.25	2.50	X
117-81-7	Bis(2-ethylhexyl)phthalate	36.48	0.650	1.25	2.50	
206-44-0	Fluoranthene	27.69	0.500	1.25	2.50	
86-73-7	Fluorene	27.40	0.500	1.25	2.50	
118-74-1	Hexachlorobenzene	28.64	0.500	1.25	2.50	
87-68-3	Hexachlorobutadiene	14.13	0.500	1.25	2.50	
77-47-4	Hexachlorocyclopentadiene	8.993	0.500	1.25	2.50	
67-72-1	Hexachloroethane	10.62	0.500	1.25	2.50	
78-59-1	Isophorone	21.48	0.500	1.25	2.50	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Project: CTO154 OU3RI NAS Jacksonville_2(
Matrix:
Laboratory ID: 0L13015-BS1
File ID: L13015L1x.D
Sampled:
Prepared:
Analyzed: 12/28/10 16:25
Solids:
Preparation: EXT_3510
Dilution:
Batch: 0L13015
Sequence: 0L36407
Calibration: 0362004
Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
95-48-7	2-Methylphenol	14.38	0.500	1.25	2.50	
106-44-5	4-Methylphenol	13.73	0.500	1.25	2.50	
91-20-3	Naphthalene	17.61	0.500	1.25	2.50	
100-01-6	4-Nitroaniline	38.42	0.500	1.25	2.50	
99-09-2	3-Nitroaniline	28.43	0.500	1.25	2.50	
88-74-4	2-Nitroaniline	34.95	0.600	1.25	2.50	X
98-95-3	Nitrobenzene	23.55	0.500	1.25	2.50	
100-02-7	4-Nitrophenol	15.06	0.500	1.25	2.50	
88-75-5	2-Nitrophenol	24.88	0.500	1.25	2.50	X
86-30-6	N-Nitrosodiphenylamine	17.06	0.500	1.25	2.50	
621-64-7	N-Nitroso-di-n-propylamine	22.24	0.500	1.25	2.50	
87-86-5	Pentachlorophenol	39.97	1.00	5.00	10.0	
85-01-8	Phenanthrene	27.66	0.500	1.25	2.50	
108-95-2	Phenol	6.930	0.500	1.25	2.50	
129-00-0	Pyrene	28.39	0.500	1.25	2.50	
88-06-2	2,4,6-Trichlorophenol	29.11	0.500	1.25	2.50	
95-95-4	2,4,5-Trichlorophenol	28.86	0.500	1.25	2.50	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	25.00	20.38	81.5	50 - 110	
2-Fluorophenol	50.00	16.79	33.6	20 - 110	
Nitrobenzene-d5	25.00	23.88	95.5	40 - 110	
Phenol-d6	50.00	11.82	23.6	10 - 110	
Terphenyl-d14	25.00	23.96	95.8	50 - 135	
2,4,6-Tribromophenol	50.00	51.15	102	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2(

Matrix: Laboratory ID: 0L13015-BSD1 File ID: L13015L2x.D

Sampled: Prepared: Analyzed: 12/28/10 16:52

Solids: Preparation: EXT_3510 Dilution:

Batch: 0L13015 Sequence: 0L36407 Calibration: 0362004 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine	25.68	0.500	1.25	2.50	
83-32-9	Acenaphthene	21.93	0.500	1.25	2.50	
208-96-8	Acenaphthylene	20.51	0.500	1.25	2.50	
98-86-2	Acetophenone	21.26	0.500	1.25	2.50	
120-12-7	Anthracene	29.14	0.500	1.25	2.50	
1912-24-9	Atrazine	28.42	0.500	1.25	2.50	
100-52-7	Benzaldehyde	18.36	0.500	1.25	2.50	Y
92-52-4	1,1-Biphenyl	21.69	0.250	1.25	2.50	Y
101-55-3	4-Bromophenyl-phenylether	32.56	0.500	1.25	2.50	
85-68-7	Butylbenzylphthalate	41.52	0.500	1.25	2.50	
105-60-2	Caprolactam	5.815	0.500	1.25	2.50	X
86-74-8	Carbazole	30.12	0.500	1.25	2.50	
59-50-7	4-Chloro-3-methylphenol	22.86	0.500	1.25	2.50	X
106-47-8	4-Chloroaniline	13.73	0.500	1.25	2.50	
111-91-1	Bis(2-chloroethoxy)methane	21.63	0.500	1.25	2.50	
111-44-4	Bis(2-chloroethyl)ether	21.28	0.500	1.25	2.50	
108-60-1	2,2'-Oxybis-1-chloropropane	19.91	0.500	1.25	2.50	
91-58-7	2-Chloronaphthalene	19.36	0.500	1.25	2.50	
95-57-8	2-Chlorophenol	15.62	0.500	1.25	2.50	
7005-72-3	4-Chlorophenyl phenyl ether	23.86	0.500	1.25	2.50	
218-01-9	Chrysene	27.89	0.500	1.25	2.50	
132-64-9	Dibenzofuran	22.12	0.500	1.25	2.50	
84-74-2	Di-n-butylphthalate	33.26	0.650	1.25	2.50	
120-83-2	2,4-Dichlorophenol	19.85	0.500	1.25	2.50	
84-66-2	Diethylphthalate	28.83	0.500	1.25	2.50	
105-67-9	2,4-Dimethylphenol	16.24	0.500	1.25	2.50	
131-11-3	Dimethyl phthalate	31.74	0.500	1.25	2.50	
534-52-1	4,6-Dinitro-2-methylphenol	39.09	1.25	2.50	5.00	
51-28-5	2,4-Dinitrophenol	41.91	1.25	2.50	5.00	X
121-14-2	2,4-Dinitrotoluene	32.18	0.500	1.25	2.50	
606-20-2	2,6-Dinitrotoluene	31.60	0.500	1.25	2.50	
117-84-0	Di-n-octylphthalate	39.33	0.500	1.25	2.50	X
117-81-7	Bis(2-ethylhexyl)phthalate	40.19	0.650	1.25	2.50	
206-44-0	Fluoranthene	30.42	0.500	1.25	2.50	
86-73-7	Fluorene	24.00	0.500	1.25	2.50	
118-74-1	Hexachlorobenzene	30.23	0.500	1.25	2.50	
87-68-3	Hexachlorobutadiene	13.36	0.500	1.25	2.50	
77-47-4	Hexachlorocyclopentadiene	8.322	0.500	1.25	2.50	
67-72-1	Hexachloroethane	11.06	0.500	1.25	2.50	
78-59-1	Isophorone	20.06	0.500	1.25	2.50	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2(

Matrix: Laboratory ID: 0L13015-BSD1 File ID: L13015L2x.D

Sampled: Prepared: Analyzed: 12/28/10 16:52

Solids: Preparation: EXT_3510 Dilution:

Batch: 0L13015 Sequence: 0L36407 Calibration: 0362004 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
95-48-7	2-Methylphenol	13.79	0.500	1.25	2.50	
106-44-5	4-Methylphenol	12.92	0.500	1.25	2.50	
91-20-3	Naphthalene	18.05	0.500	1.25	2.50	
100-01-6	4-Nitroaniline	26.85	0.500	1.25	2.50	
99-09-2	3-Nitroaniline	22.66	0.500	1.25	2.50	
88-74-4	2-Nitroaniline	32.50	0.600	1.25	2.50	X
98-95-3	Nitrobenzene	21.12	0.500	1.25	2.50	
100-02-7	4-Nitrophenol	13.36	0.500	1.25	2.50	
88-75-5	2-Nitrophenol	21.37	0.500	1.25	2.50	X
86-30-6	N-Nitrosodiphenylamine	19.08	0.500	1.25	2.50	
621-64-7	N-Nitroso-di-n-propylamine	22.77	0.500	1.25	2.50	
87-86-5	Pentachlorophenol	40.16	1.00	5.00	10.0	
85-01-8	Phenanthrene	28.42	0.500	1.25	2.50	
108-95-2	Phenol	7.005	0.500	1.25	2.50	
129-00-0	Pyrene	30.92	0.500	1.25	2.50	
88-06-2	2,4,6-Trichlorophenol	25.67	0.500	1.25	2.50	
95-95-4	2,4,5-Trichlorophenol	25.86	0.500	1.25	2.50	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	25.00	18.90	75.6	50 - 110	
2-Fluorophenol	50.00	16.79	33.6	20 - 110	
Nitrobenzene-d5	25.00	20.69	82.8	40 - 110	
Phenol-d6	50.00	11.94	23.9	10 - 110	
Terphenyl-d14	25.00	30.93	124	50 - 135	
2,4,6-Tribromophenol	50.00	50.79	102	40 - 125	

HOLDING TIME SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC

SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010)

Project: CTO154 OU3RI NAS Jacksonville_2010

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
JAX-MW-780-1-GW20101210	12/10/10 14:52	12/11/10 11:30	12/14/10 17:51	4.17	7.00	12/28/10 22:25	14.19	40.00	
JAX-EW-780-2-GW20101210	12/10/10 15:22	12/11/10 11:30	12/14/10 17:51	4.15	7.00	12/28/10 22:53	14.21	40.00	
JAX-MW-780-DUP01-GW20101210	12/10/10 00:00	12/11/10 11:30	12/14/10 17:51	4.79	7.00	12/28/10 23:20	14.23	40.00	

Data for SW8270D
Supporting Raw Data / Logs

Sequence Name: C:\HPCHEM\1\SEQUENCE\121810B1.S
Comment: 8270C/8270D/625
Operator: MEC
Data Path: C:\HPCHEM\1\DATA\121710B1.b\
Pre-Seq Cmd:
Post-Seq Cmd:

8361

12/22

GLQ 12/29/10

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Tune	1	SEQ-TUN1	DFTPPBN1	DF1218B1;;;;;10L0066
2	ICal	2	SEQ-CAL1	IXBN1	CAL1PPM;;;;;;10L0220
3	ICal	3	SEQ-CAL2	IXBN1	CAL2PPM;;;;;;10L0221
4	ICal	4	SEQ-CAL3	IXBN1	CAL5PPM;;;;;;10L0222
5	ICal	5	SEQ-CAL4	IXBN1	CAL10PPM;;;;;;10L0223
6	ICal	6	SEQ-CAL5	IXBN1	CAL20PPM;;;;;;10L0224
7	ICal	7	SEQ-CAL6	IXBN1	CAL40PPM;;;;;;10L0225
8	ICal	8	SEQ-CAL7	IXBN1	CAL50PPM;;;;;;10L0226
9	ICal	9	SEQ-CAL8	IXBN1	CAL60PPM;;;;;;10L0227
10	ICal	10	SEQ-CAL9	IXBN1	CAL80PPM;;;;;;10L0228
11	ICal	11	SEQ-CALA	IXBN1	CAL100PPM;;;;;;10L0229
12	ICal	12	SEQ-CALB	IXBN1	CAL1PPM;;;;;;10L0252
13	ICal	13	SEQ-CALC	IXBN1	CAL2PPM;;;;;;10L0253
14	ICal	14	SEQ-CALD	IXBN1	CAL5PPM;;;;;;10L0255
15	ICal	15	SEQ-CALE	IXBN1	CAL10PPM;;;;;;10L0257
16	ICal	16	SEQ-CALF	IXBN1	CAL20PPM;;;;;;10L0259
17	ICal	17	SEQ-CALG	IXBN1	CAL40PPM;;;;;;10L0260
18	ICal	18	SEQ-CALH	IXBN1	CAL50PPM;;;;;;10L0261
19	ICal	19	SEQ-CALI	IXBN1	CAL60PPM;;;;;;10L0262
20	ICal	20	SEQ-CALJ	IXBN1	CAL80PPM;;;;;;10L0263
21	ICal	21	SEQ-CALK	IXBN1	CAL100PPM;;;;;;10L0264
22	ICal	22	SEQ-ICV1	IXBN1	ICV50PPM;;;;;;10L0163
23	ICal	23	SEQ-ICV2	IXBN1	ICV50PPM;;;;;;10L0164
24	Tune	1	SEQ-TUN2	DFTPPBN1	DF1218B2;;;;;10L0066

Last Modified: Sat Dec 18 15:20:32 2010

Sequence Name: C:\HPCHEM\1\SEQUENCE\122210B1.S
Comment: 8270C/8270D/625
Operator: MEC
Data Path: C:\HPCHEM\1\DATA\122210B1.b\
Pre-Seq Cmd:
Post-Seq Cmd:

8361

12/23/

GLQ
12/29/10

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Tune	1	SEQ-TUN1	DFTPPBN1	DF1222B1;;;;;10L0066
2	ICal	2	SEQ-ICV3	IXBN1	ICV50PPM;;;;;;10L0768

Last Modified: Thu Dec 23 09:15:38 2010

ANALYSIS SEQUENCE

0L35702

Instrument: MS-BNA1

Calibnration ID: 0362004

Printed: 12/28/2010 7:38:37PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
0L35702-TUN1	QC		1		10L0066			
0L35702-CAL1	QC		2		10L0220	10H0528		
0L35702-CAL2	QC		3		10L0221	10H0528		
0L35702-CAL3	QC		4		10L0222	10H0528		
0L35702-CAL4	QC		5		10L0223	10H0528		
0L35702-CAL5	QC		6		10L0224	10H0528		
0L35702-CAL6	QC		7		10L0225	10H0528		
0L35702-CAL7	QC		8		10L0226	10H0528		
0L35702-CAL8	QC		9		10L0227	10H0528		
0L35702-CAL9	QC		10		10L0228	10H0528		
0L35702-CALA	QC		11		10L0229	10H0528		
0L35702-CALB	QC		12		10L0252	10H0528		
0L35702-CALC	QC		13		10L0253	10H0528		
0L35702-CALD	QC		14		10L0255	10H0528		
0L35702-CALE	QC		15		10L0257	10H0528		
0L35702-CALF	QC		16		10L0259	10H0528		
0L35702-CALG	QC		17		10L0260	10H0528		
0L35702-CALH	QC		18		10L0261	10H0528		
0L35702-CALI	QC		19		10L0262	10H0528		
0L35702-CALJ	QC		20		10L0263	10H0528		
0L35702-CALK	QC		21		10L0264	10H0528		
0L35702-ICV1	QC		22		10L0163	10H0528		
0L35702-ICV2	QC		23		10L0164	10H0528		

Samples Loaded By Date

Data Processed By Date

322

CTO154OURI_002

ANALYSIS SEQUENCE

0L35702

Instrument: MS-BNA1

Calibnration ID: 0362004

Printed: 12/28/2010 7:38:37PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
0L35702-TUN2	QC		24		10L0066			
0L35702-ICV3	QC		25		10L0768	10H0528		

Samples Loaded By Date

Data Processed By Date

323

CTO154OURI_002

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-TUN1.D

Date : 18-DEC-2010 18:01

Client ID: 50ppm DFTPP

Instrument: bna1.i

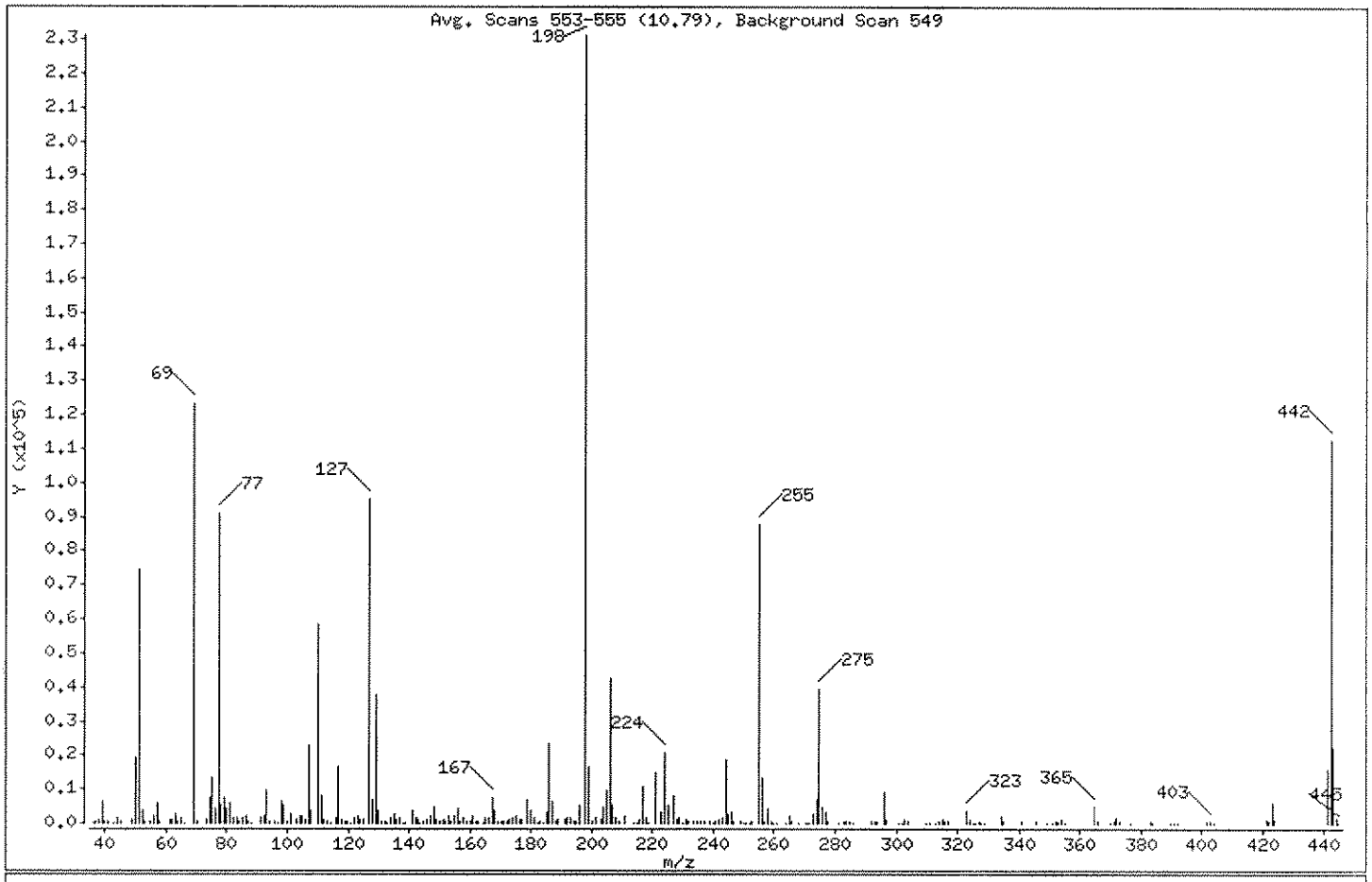
Sample Info: DF1218B1;;;;;10L0066

Operator: MEC

Column phase: DB5-MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	32.20
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	53.34
70	Less than 2.00% of mass 69	0.25 (0.47)
127	40.00 - 60.00% of mass 198	41.11
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.15
275	10.00 - 30.00% of mass 198	17.06
365	Greater than 1.00% of mass 198	2.04
441	Present, but less than mass 443	6.99
442	Greater than 40.00% of mass 198	48.77
443	17.00 - 23.00% of mass 442	9.57 (19.63)

12/22 L
GLQ
12/22/10

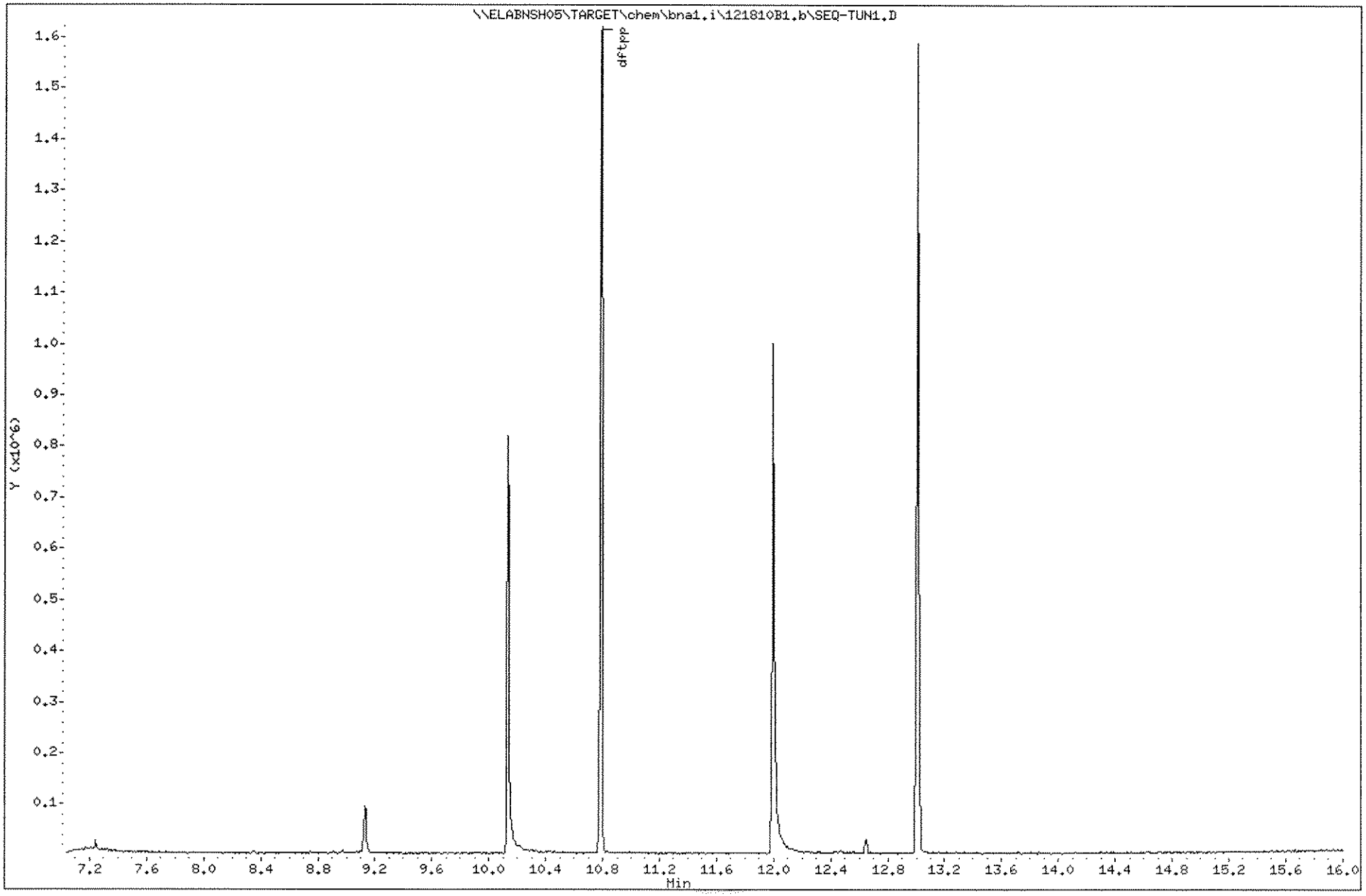
Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-TUN1.D
Date : 18-DEC-2010 18:01
Client ID: 50ppm DFTPP
Sample Info: DF1218B1;;;;;10L0066

Instrument: bna1.i

Operator: MEC

Column phase: DB5-MS

Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-TUN1.D

Date : 18-DEC-2010 18:01

Client ID: 50ppm DFTPP | Instrument: bna1.i

Sample Info: DF1218B1;;;;;10L0066

Operator: MEC

Column phase: DB5-MS | Column diameter: 0.25

Data File: SEQ-TUN1.D
Spectrum: Avg. Scans 553-555 (10.79), Background Scan 549
Location of Maximum: 198.00
Number of points: 268

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	178	121.05	216	192.95	1828	276.95	3013
36.90	469	121.95	1430	194.00	476	277.85	533
38.00	955	123.00	2124	194.70	277	280.95	119
39.00	6265	124.00	887	196.10	5344	283.15	362
39.90	613	125.00	1258	198.00	231104	283.75	397
41.05	450	127.00	95008	198.90	16520	284.85	472
42.75	200	128.00	7059	199.90	748	285.95	102
43.95	1366	129.00	37840	201.40	1379	292.00	302
44.95	279	130.00	3869	202.90	955	292.90	602
48.95	807	130.80	399	204.00	4998	293.80	324
50.05	19200	132.00	271	205.05	9436	295.90	9180
51.05	74424	133.00	235	206.05	42760	296.90	1008
52.05	3836	133.90	1337	206.95	5197	300.85	137
53.00	287	134.95	2610	207.95	1697	301.85	125
54.80	352	135.95	961	208.85	411	302.95	1129
56.00	2271	137.05	1623	210.85	2081	303.65	350
57.00	5844	138.05	129	213.75	100	309.85	123
57.90	298	138.85	213	214.85	186	310.90	125
61.00	1084	140.95	3740	215.85	910	313.10	178
62.10	1064	142.05	1608	217.00	10478	313.80	568
63.00	2911	143.05	1289	218.00	1613	314.90	1235
63.90	628	143.75	111	218.70	177	315.90	494
65.05	1487	144.95	510	221.00	14847	316.80	284
65.85	127	146.05	862	223.00	3236	323.05	3524
68.95	123264	147.00	2026	224.00	20952	323.85	873
69.95	576	148.00	4901	225.00	5197	325.45	117
72.95	815	149.00	1028	226.90	8107	325.95	191
74.05	7258	150.20	336	228.00	1285	327.05	440
74.95	13342	151.00	859	228.95	1594	327.85	170
76.10	4455	152.10	602	230.05	199	328.75	113
77.10	90728	152.90	1945	230.95	955	334.00	1866
78.10	5405	153.90	729	231.95	279	335.00	626
79.00	7298	155.00	2124	233.75	503	340.90	387
80.00	4368	156.00	4048	234.85	766	345.85	739
81.00	5893	156.90	756	235.95	440	349.45	145

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-TUN1.D

Date : 18-DEC-2010 18:01

Client ID: 50ppm DFTPP

Instrument: bna1.i

Sample Info: DF1218B1;;;;;10L0066

Operator: MEC

Column phase: DB5-MS

Column diameter: 0.25

Data File: SEQ-TUN1.D

Spectrum: Avg. Scans 553-555 (10.79), Background Scan 549

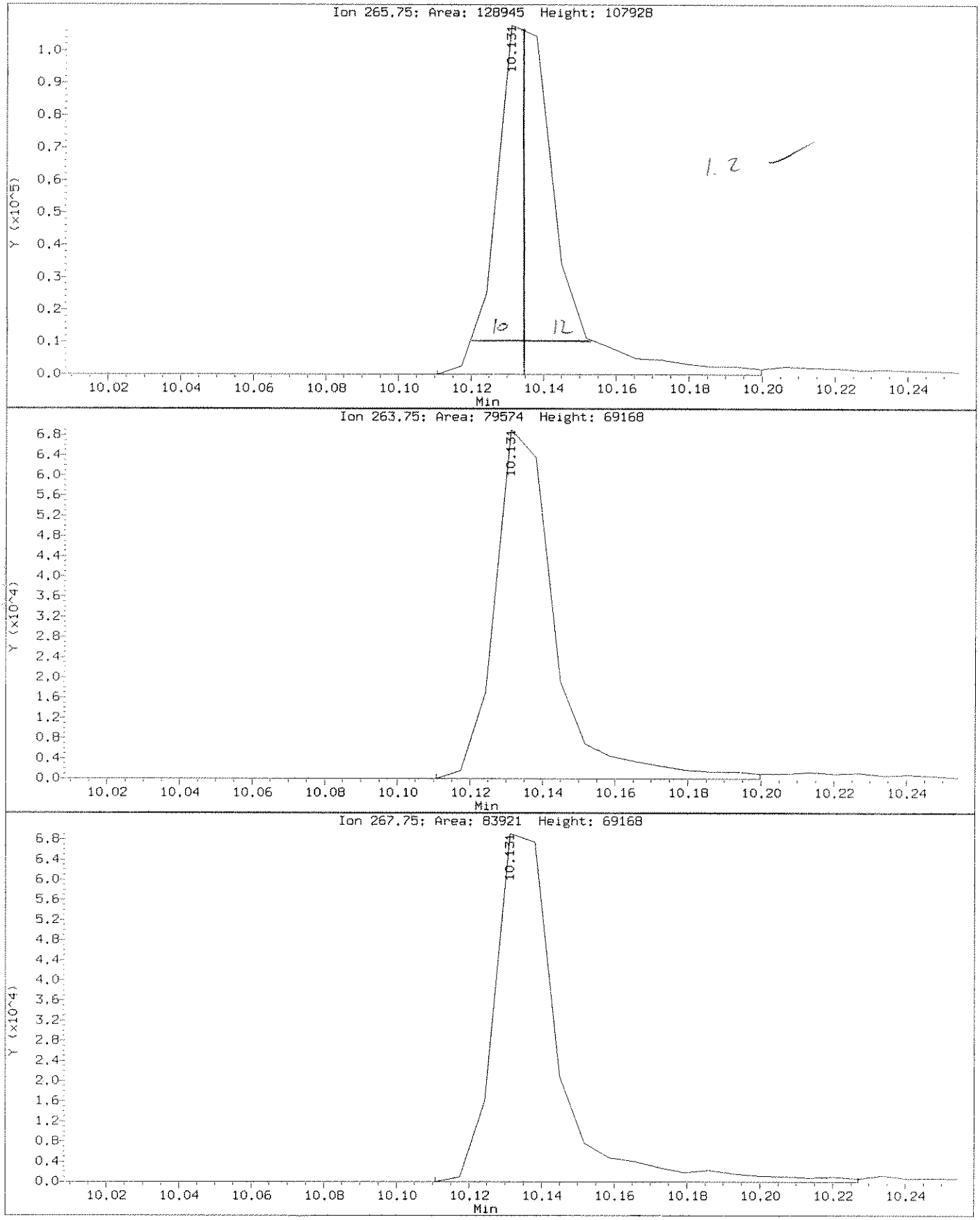
Location of Maximum: 198.00

Number of points: 268

m/z	Y	m/z	Y	m/z	Y	m/z	Y
81.90	1790	157.95	1370	236.85	619	351.05	177
83.00	1561	158.95	707	238.85	394	351.95	712
84.00	323	159.95	756	240.00	224	352.85	624
84.90	1426	161.05	1956	240.80	393	354.05	856
86.00	2264	161.85	444	241.90	922	355.05	226
86.80	372	162.65	273	243.10	1443	364.90	4725
88.05	192	164.15	218	244.00	18528	365.90	645
90.95	1556	164.95	1510	245.00	2442	369.75	107
92.05	1933	165.95	1496	245.90	2936	370.95	282
93.05	9333	167.05	7692	246.80	572	371.95	1759
93.85	578	167.95	3836	248.80	663	372.85	416
95.95	505	168.95	590	250.00	187	376.85	155
96.85	202	170.30	426	250.80	184	382.90	578
97.95	6568	171.00	278	252.05	249	383.80	200
98.95	5558	171.90	722	252.85	442	389.60	115
100.00	766	173.00	813	254.95	87584	390.80	109
101.00	2764	173.90	1647	255.95	13233	391.80	123
103.00	1297	174.90	2245	256.85	695	401.85	604
104.00	1894	176.00	1250	257.95	4455	402.95	681
105.00	1872	176.90	1168	258.95	432	403.90	126
106.10	1227	178.90	6660	259.95	152	421.15	815
107.00	22672	180.00	3980	260.75	249	421.95	474
108.00	3554	180.90	1501	263.70	154	422.95	5779
110.00	58448	182.15	177	264.90	1866	423.85	1011
111.05	7930	182.85	347	265.80	444	441.05	16162
112.05	1044	184.05	205	267.80	111	441.95	112712
112.95	452	185.05	3348	270.30	161	442.95	22128
114.35	177	186.05	23560	271.00	210	443.95	1759
115.95	1408	186.95	6144	271.60	131	444.75	139
116.95	16251	188.05	665	272.90	2558		
117.95	1301	188.95	1077	274.00	7099		
118.95	308	191.05	810	274.90	39416		
119.95	679	191.95	1608	275.95	5012		

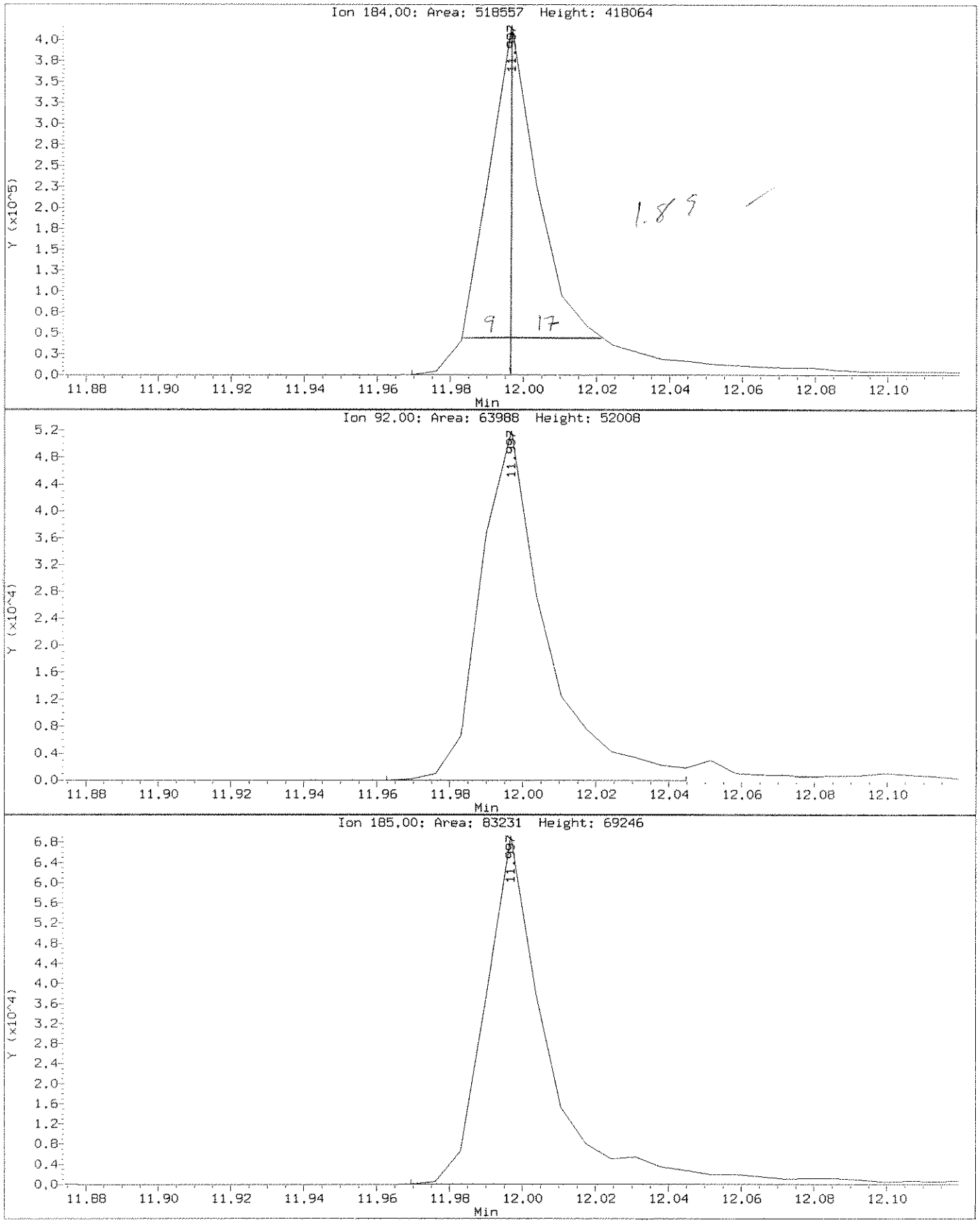
Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-TUN1ex.D
Injection Date: 18-DEC-2010 18:01
Instrument: bna1.i
Client Sample ID: 50ppm DFTPP

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-TUN1ex.D
Injection Date: 18-DEC-2010 18:01
Instrument: bna1.i
Client Sample ID: 50ppm DFTPP

Compound: Benzidine
CAS Number: 92-87-5



Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-TUN1ex.D
Report Date: 22-Dec-2010 09:46

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-TUN1ex.D
Lab Smp Id: SEQ-TUN1 Client Smp ID: 50ppm DFTPP
Inj Date : 18-DEC-2010 18:01 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : DF1218B1;;;;;10L0066
Misc Info : ;;;;;;all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\dftppbn1ex.m
Meth Date : 22-Dec-2010 09:45 mcobb Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (ng/ul)
1 Pentachlorophenol	266	10.131	10.131	0.000	128945		
2 Benzidine	184	11.996	11.997	-0.001	518557		
4 4,4'-DDD	235	12.649	12.643	0.006	6625		
5 4,4'-DDT	235	13.009	13.009	0.000	342138		

DDT breakdown = $\frac{6625}{348763} \times 100 = 1.90\%$

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122210B1.b\SEQ-TUN1.D

Date : 22-DEC-2010 15:21

Client ID: 50ppm DFTPP

Instrument: bna1.i

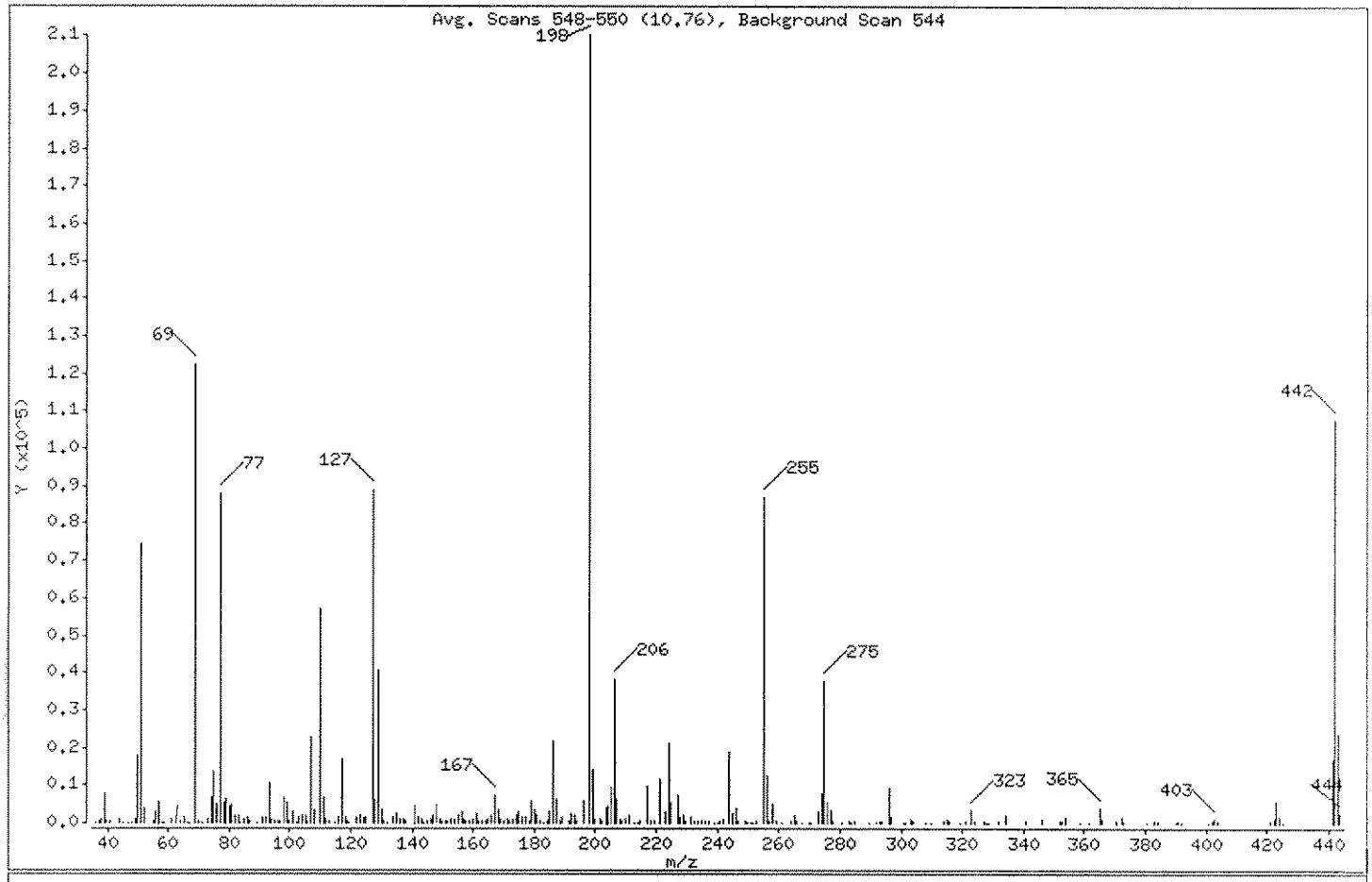
Sample Info: DF1222B1;;;;;10L0066

Operator: MEC

Column phase: DB5-MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.40
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	58.15
70	Less than 2.00% of mass 69	0.29 (0.50)
127	40.00 - 60.00% of mass 198	42.23
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.78
275	10.00 - 30.00% of mass 198	17.85
365	Greater than 1.00% of mass 198	1.91
441	Present, but less than mass 443	8.10
442	Greater than 40.00% of mass 198	51.34
443	17.00 - 23.00% of mass 442	11.18 (21.77)

12/23
GLQ
12/27/10

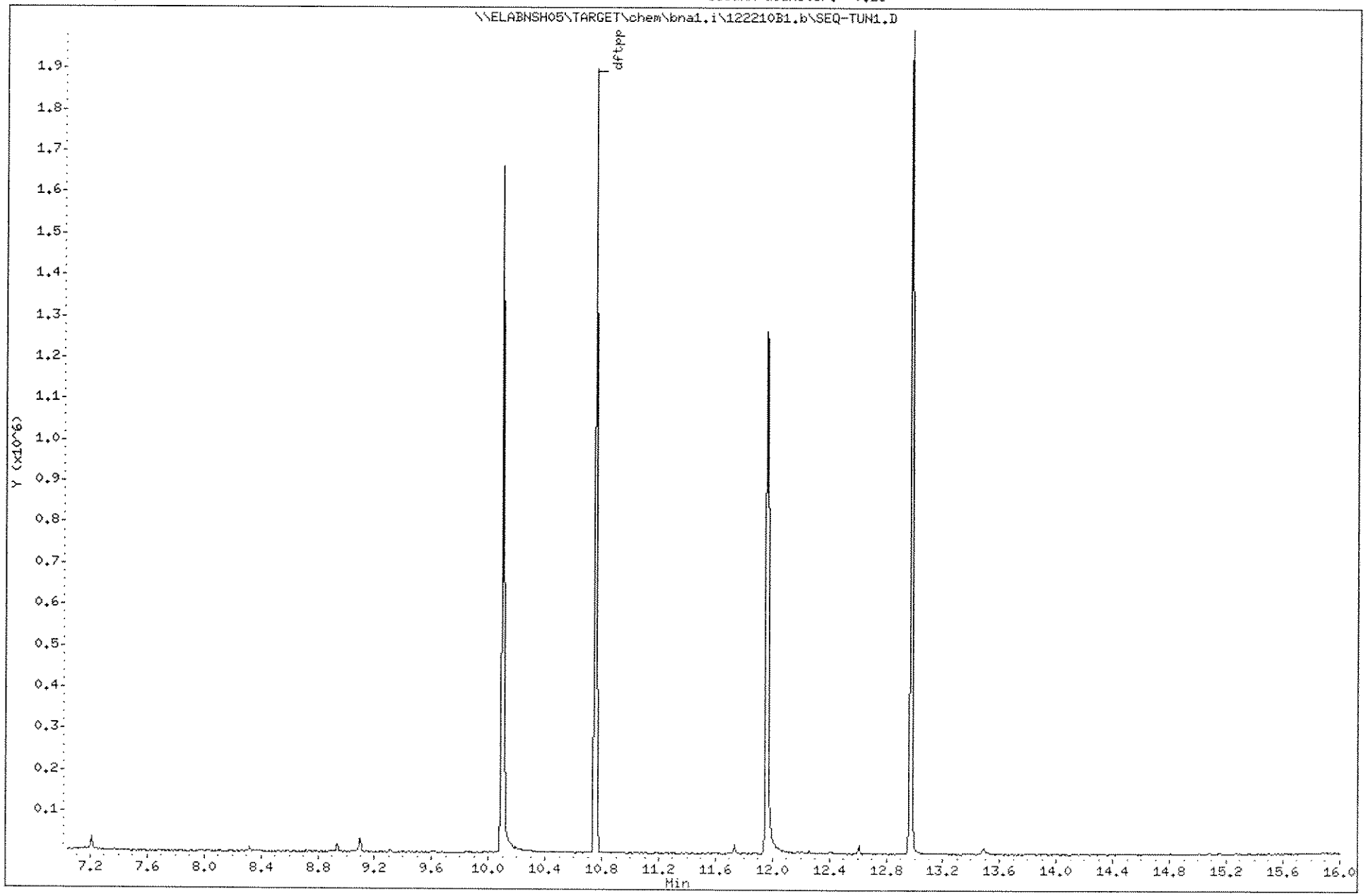
Data File: \\ELABNSH05\TARGET\chem\bna1.i\122210B1.b\SEQ-TUN1.D
Date : 22-DEC-2010 15:21
Client ID: 50ppm DFTPP
Sample Info: DF1222B1;;;;;10L0066

Instrument: bna1.i

Operator: MEC

Column phase: DB5-MS

Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\bna1.i\122210B1.b\SEQ-TUN1.D

Date : 22-DEC-2010 15:21

Client ID: 50ppm DFTPP

Instrument: bna1.i

Sample Info: DF1222B1;;;;;10L0066

Operator: MEC

Column phase: DB5-MS

Column diameter: 0.25

Data File: SEQ-TUN1.D

Spectrum: Avg. Scans 548-550 (10.76), Background Scan 544

Location of Maximum: 197.90

Number of points: 267

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.90	128	114.85	240	186.95	6335	273.00	2919
37.00	574	116.05	1461	188.15	656	274.00	7629
37.90	769	116.95	16832	188.95	1246	274.90	37528
39.00	7566	117.95	1447	191.15	452	275.95	5256
39.90	372	119.05	324	192.05	2271	276.95	3329
40.95	250	119.65	123	192.95	1753	277.95	297
43.95	751	121.95	1514	193.80	364	280.85	120
45.05	233	123.00	1738	196.00	6025	282.95	315
46.95	107	124.00	1461	197.90	210240	283.85	188
47.75	181	124.90	1413	198.90	14249	284.85	574
49.05	826	127.00	88776	199.90	802	289.60	122
50.05	18024	128.00	6282	201.40	1034	291.70	159
51.05	74424	129.00	40608	202.00	534	292.90	512
52.05	3751	130.00	3217	203.00	899	294.00	290
54.90	531	130.90	529	204.00	4518	295.90	9104
56.00	2725	131.90	241	205.05	9231	296.90	1687
57.00	5844	133.90	1413	206.05	38256	301.05	130
58.10	140	135.05	2298	207.05	6352	301.75	181
58.80	110	135.95	859	207.95	949	302.95	1205
61.00	873	137.05	1136	208.85	327	303.95	512
62.10	1143	138.05	364	210.05	789	308.05	176
63.00	4187	140.95	4129	211.05	2044	309.85	184
63.90	684	141.95	1672	212.85	194	313.90	328
65.05	1492	142.95	1015	213.75	139	315.00	1172
66.15	182	144.05	112	214.75	320	315.90	487
66.95	169	145.05	242	216.90	9889	319.50	142
68.95	122264	146.05	910	217.90	584	321.00	424
70.05	609	147.00	1997	219.60	325	322.95	3291
71.05	122	148.00	4380	221.00	11599	323.95	724
72.95	739	149.00	766	223.00	2772	326.85	505
74.05	6847	150.00	327	224.00	21176	327.65	137
74.95	13676	151.00	590	224.90	5542	328.15	140
76.10	4607	151.80	439	227.00	7318	329.05	153
77.10	88056	152.90	980	227.90	1329	331.65	343
78.10	5405	154.00	1047	228.95	2124	334.00	1872

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122210B1.b\SEQ-TUN1.D

Date : 22-DEC-2010 15:21

Client ID: 50ppm DFTPP | Instrument: bna1.i

Sample Info: DF1222B1;;;;;10L0066

Operator: MEC

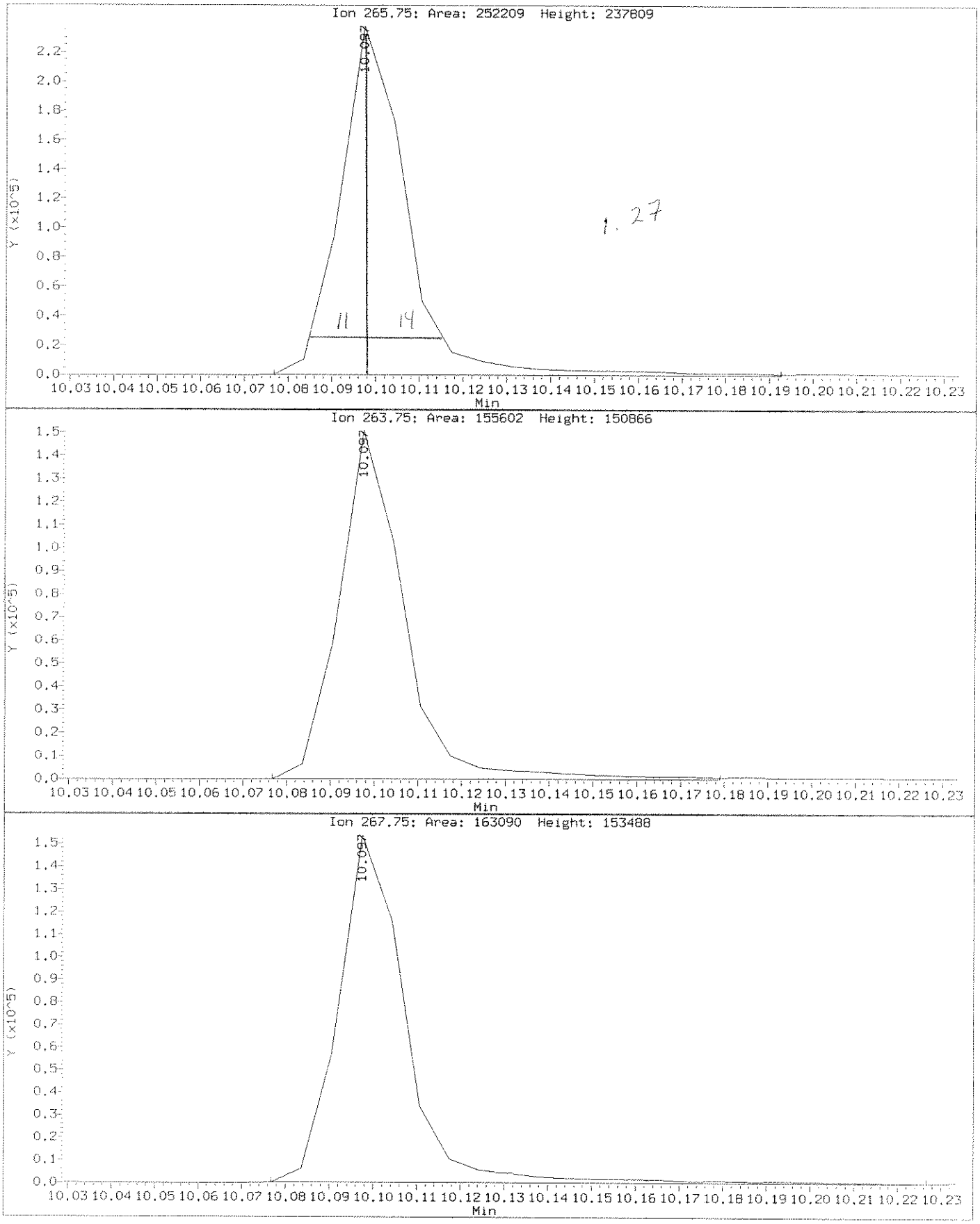
Column phase: DB5-MS | Column diameter: 0.25

Data File: SEQ-TUN1.D
Spectrum: Avg. Scans 548-550 (10.76), Background Scan 544
Location of Maximum: 197.90
Number of points: 267

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	6388	155.00	1801	229.75	396	340.90	408
80.00	4569	156.00	3056	231.05	1301	345.95	769
81.00	4956	157.00	999	232.15	276	351.95	641
82.00	1899	157.70	592	233.85	452	352.85	455
83.00	1733	158.95	544	234.95	492	353.95	1220
83.90	217	160.05	1074	235.75	452	358.80	104
85.00	837	161.05	2365	236.95	427	361.30	171
86.00	1613	161.85	494	238.75	239	364.90	4014
86.90	349	163.05	253	239.90	224	365.90	781
88.85	195	163.95	343	240.90	400	370.75	243
91.05	1231	164.85	1143	241.90	989	372.05	1297
92.05	1599	166.05	1866	244.00	18936	372.85	478
92.95	10478	166.95	7359	245.10	2625	380.80	109
93.95	797	167.95	3208	245.90	3772	383.00	648
95.05	276	168.85	736	246.90	521	383.90	399
95.95	479	170.20	340	248.90	584	389.90	221
97.05	394	171.00	771	249.90	132	391.00	264
97.95	6885	171.80	656	250.70	201	391.80	148
98.95	5082	173.10	999	251.65	146	401.05	170
100.00	531	174.00	1780	252.95	506	401.95	707
101.00	2772	175.00	3136	254.95	86872	402.85	744
102.00	216	176.00	1317	255.95	12734	403.90	430
103.00	1212	176.90	1469	257.05	617	420.85	580
104.00	1722	178.00	722	257.95	4778	421.95	862
105.00	2003	178.90	5636	258.95	698	422.95	5699
105.90	686	180.00	3494	260.95	147	423.95	1346
107.00	22864	180.90	1911	263.90	270	424.95	165
108.00	3320	181.95	284	265.00	1844	441.05	17024
110.00	56880	182.95	195	265.70	320	441.95	107928
110.90	6715	183.95	560	267.70	201	442.95	23496
111.95	968	185.05	2678	270.10	105	443.85	2407
112.85	276	186.05	21768	270.80	108		

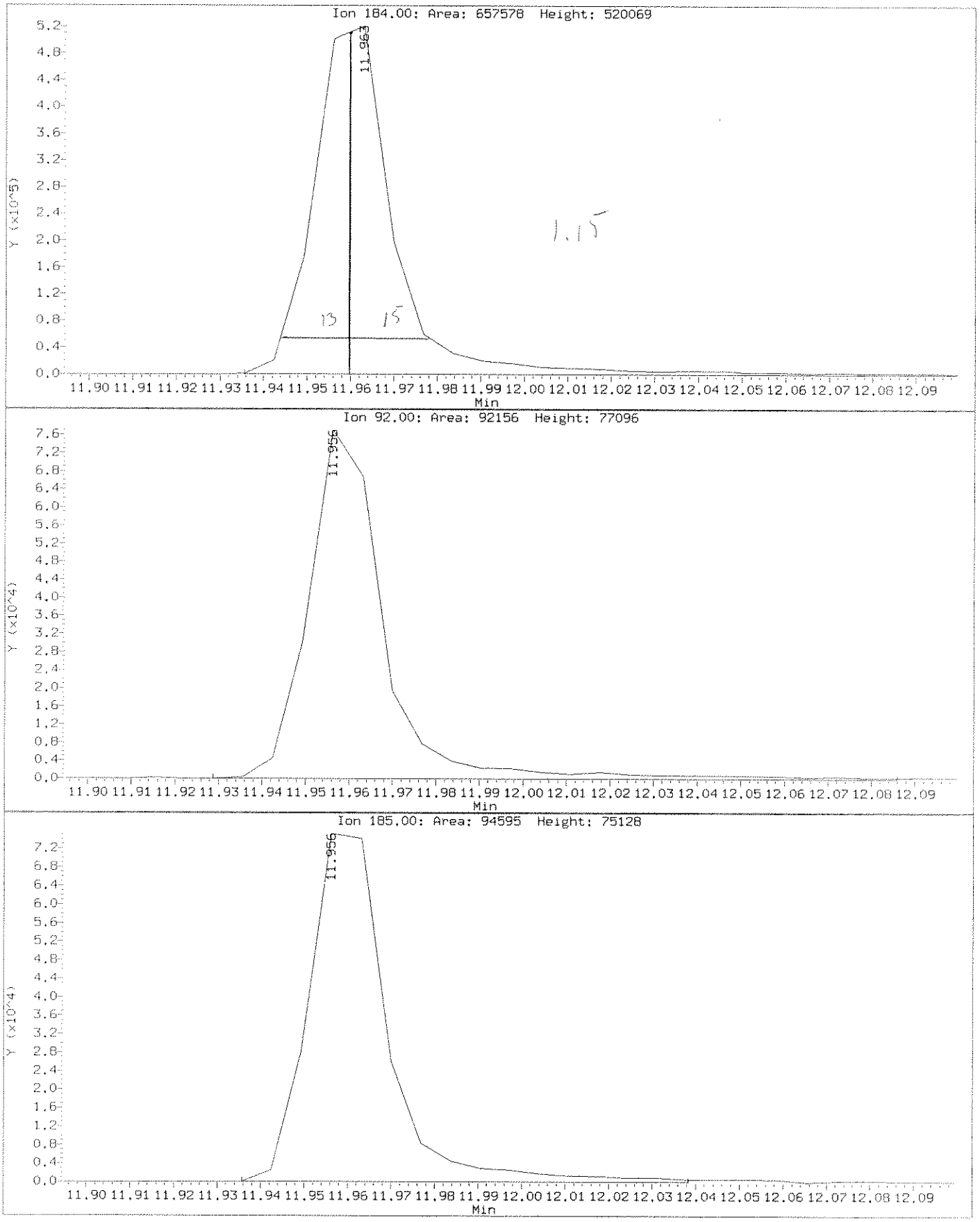
Data File: \\ELABNSH05\TARGET\chem\bna1.i\122210B1.b\SEQ-TUN1ex.D
Injection Date: 22-DEC-2010 15:21
Instrument: bna1.i
Client Sample ID: 50ppm DFTPP

Compound: Pentachlorophenol
CAS Number: 87-86-5



Data File: \\ELABNSHO5\TARGET\chem\bna1.i\122210B1.b\SEQ-TUN1ex.D
Injection Date: 22-DEC-2010 15:21
Instrument: bna1.i
Client Sample ID: 50ppm DFTPP

Compound: Benzidine
CAS Number: 92-87-5



Data File: \\ELABNSH05\TARGET\chem\bna1.i\122210B1.b\SEQ-TUN1ex.D
Report Date: 23-Dec-2010 09:44

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\122210B1.b\SEQ-TUN1ex.D
Lab Smp Id: SEQ-TUN1 Client Smp ID: 50ppm DFTPP
Inj Date : 22-DEC-2010 15:21 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : DF1222B1;;;;;10L0066
Misc Info : ;;;;;;all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\122210B1.b\dftppbn1ex.m
Meth Date : 23-Dec-2010 09:43 mcobb Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (ng/ul)
1 Pentachlorophenol	266	10.097	10.131	-0.034	252209		
2 Benzidine	184	11.963	11.997	-0.034	657578		
4 4,4'-DDD	235	12.609	12.643	-0.034	4469		
5 4,4'-DDT	235	12.974	13.009	-0.035	453655		

DDT breakdown = $\frac{4469}{458124} \times 100 = 0.98\%$

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL1.D
Report Date: 22-Dec-2010 13:22

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL1.D
Lab Smp Id: SEQ-CAL1 Client Smp ID: SEQ-CAL1
Inj Date : 18-DEC-2010 18:25 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL1PPM;;;;;;10L0220
Misc Info : ;1;;;1;;cal_1.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:22 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_1.sub
Target Version: 4.04
Processing Host: TARGET09_VM

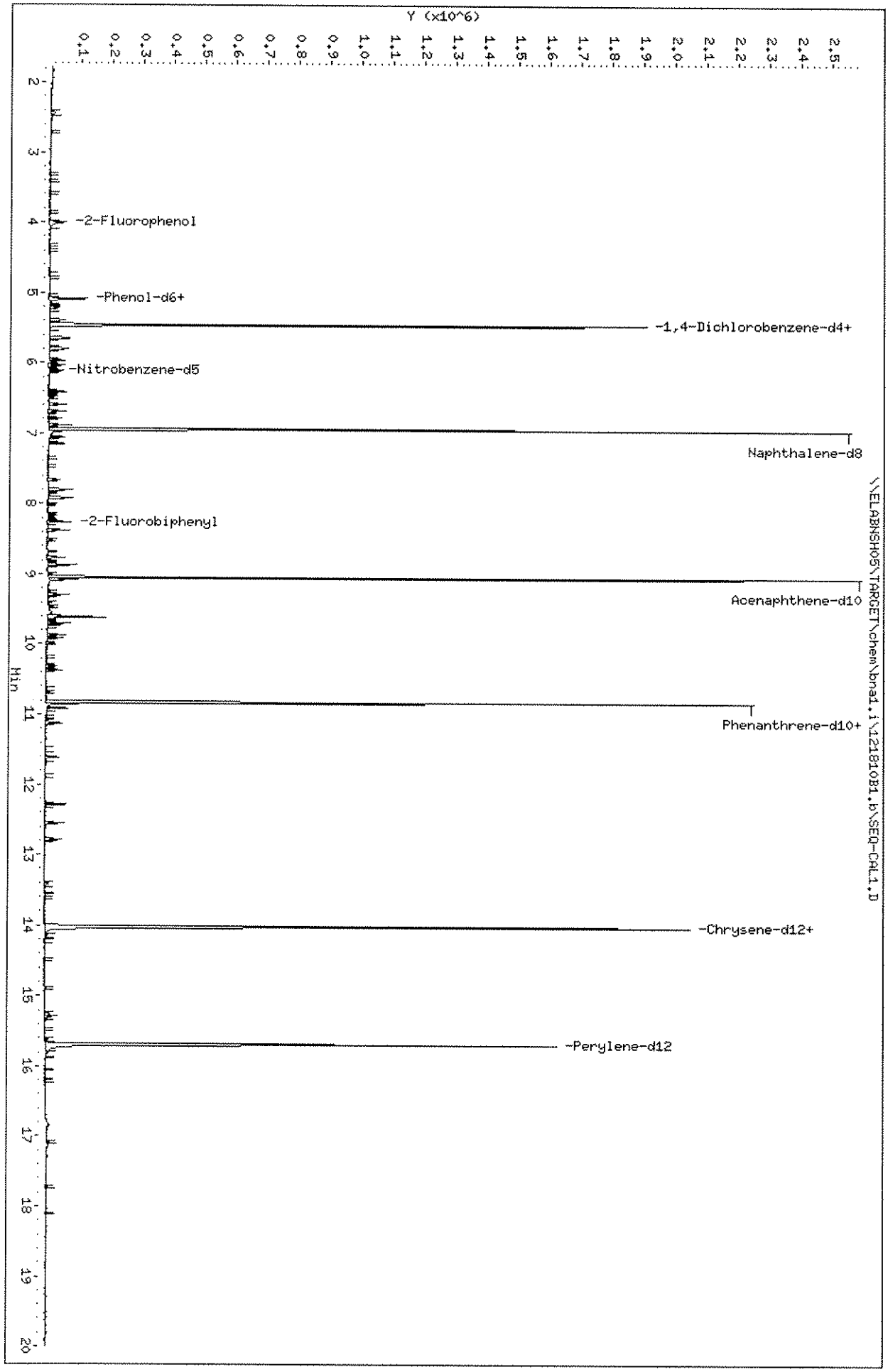
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
*	1 1,4-Dichlorobenzene-d4	152	5.459	5.459	(1.000)	434255	40.0000	
$	2 2-Fluorophenol	112	4.006	4.006	(0.734)	30480	2.00000	2.214
$	3 Phenol-d6	99	5.092	5.092	(0.933)	34028	2.00000	2.132
	7 Aniline	93	5.092	5.092	(0.933)	21755	1.00000	1.104
	10 Phenol	94	5.106	5.106	(0.935)	20113	1.00000	1.091
	11 bis(2-Chloroethyl)ether	93	5.187	5.187	(0.950)	13979	1.00000	1.000
	12 2-Chlorophenol	128	5.228	5.228	(0.958)	13990	1.00000	0.9374
	13 1,3-Dichlorobenzene	146	5.398	5.398	(0.989)	17911	1.00000	1.096
	14 1,4-Dichlorobenzene	146	5.480	5.480	(1.004)	16377	1.00000	1.020
	15 Benzyl alcohol	108	5.643	5.643	(1.034)	7339	1.00000	0.9117
	16 1,2-Dichlorobenzene	146	5.657	5.657	(1.036)	18010	1.00000	1.174
	17 2-Methylphenol	108	5.793	5.793	(1.061)	12368	1.00000	1.044
	18 2,2'-Oxybis-1-chloropropane	45	5.806	5.806	(1.064)	24571	1.00000	1.108
	19 3-Methylphenol	108	5.983	5.983	(1.096)	11543	1.00000	0.9802
	20 4-Methylphenol	108	5.983	5.983	(1.096)	11543	1.00000	0.9802
	22 Hexachloroethane	117	6.044	6.044	(1.107)	6737	1.00000	1.080
*	33 Naphthalene-d8	136	6.948	6.948	(1.000)	1342391	40.0000	
$	34 Nitrobenzene-d5	82	6.105	6.105	(0.879)	10058	1.00000	0.8871
	44 bis(2-Chloroethoxy)methane	93	6.696	6.696	(0.964)	18048	1.00000	1.164
	47 2,4-Dichlorophenol	162	6.798	6.798	(0.978)	9797	1.00000	0.9482
	50 1,2,4-Trichlorobenzene	180	6.886	6.886	(0.991)	15487	1.00000	1.218
	52 4-Chloroaniline	127	7.057	7.057	(1.016)	15411	1.00000	0.9979
	55 2-Methylnaphthalene	141	7.803	7.803	(1.123)	18771	1.00000	1.057
	56 1-Methylnaphthalene	141	7.919	7.919	(1.140)	20521	1.00000	1.128
*	69 Acenaphthene-d10	164	9.046	9.046	(1.000)	635116	40.0000	
	73 2-Chloronaphthalene	162	8.381	8.381	(0.926)	24016	1.00000	1.244

12/22

GLQ
12/27/10

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL1.D
Report Date: 22-Dec-2010 13:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
$ 74 2-Fluorobiphenyl	172	8.258	8.258	(0.913)	23736	1.00000	1.119
77 Acenaphthylene	152	8.870	8.870	(0.980)	33096	1.00000	1.102
79 3-Nitroaniline	138	9.012	9.012	(0.996)	3566	1.00000	0.5924
80 Acenaphthene	153	9.081	9.081	(1.004)	21409	1.00000	1.164
84 Dibenzofuran	168	9.291	9.291	(1.027)	28236	1.00000	1.119
86 Diethylphthalate	149	9.618	9.618	(1.063)	120749	1.00000	5.669
87 4-Chlorophenyl-phenylether	204	9.727	9.727	(1.075)	10042	1.00000	0.9855
88 Fluorene	166	9.707	9.707	(1.073)	21489	1.00000	1.066
* 102 Phenanthrene-d10	188	10.827	10.827	(1.000)	961955	40.0000	
103 1,2-Diphenylhydrazine	77	9.917	9.917	(0.916)	22473	1.00000	1.138
104 Carbazole	167	11.126	11.126	(1.028)	24305	1.00000	1.039
106 N-Nitrosodiphenylamine	169	9.877	9.877	(0.912)	17743	1.00000	1.104
108 4-Bromophenyl-phenylether	248	10.318	10.318	(0.953)	6009	1.00000	1.006
109 Hexachlorobenzene	284	10.372	10.372	(0.958)	7536	1.00000	1.068
111 Phenanthrene	178	10.854	10.854	(1.003)	30787	1.00000	1.186
112 Anthracene	178	10.916	10.916	(1.008)	29236	1.00000	1.145
116 Fluoranthene	202	12.285	12.285	(1.135)	30950	1.00000	1.168
* 132 Chrysene-d12	240	14.021	14.021	(1.000)	848370	40.0000	
134 Pyrene	202	12.556	12.556	(0.896)	28483	1.00000	0.9977
138 Benzo(a)anthracene	228	14.014	14.014	(1.000)	24690	1.00000	1.040
139 Chrysene	228	14.049	14.049	(1.002)	28383	1.00000	1.142
* 154 Perylene-d12	264	15.691	15.691	(1.000)	745416	40.0000	


Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL1.D
Date : 18-DEC-2010 18:25
Client ID: SEQ-CAL1
Sample Info: CAL1PPM;;;;;;10L0220
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6+
-1,4-Dichlorobenzene-d4+
-Nitrobenzene-d5
Naphthalene-d8
-2-Fluorobiphenyl
Acenaphthene-d10
Phenanthrene-d10+
-Chrysene-d12+
-Perylene-d12
\\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL1.D

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL2.D
Report Date: 22-Dec-2010 13:22

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL2.D
Lab Smp Id: SEQ-CAL2 Client Smp ID: SEQ-CAL2
Inj Date : 18-DEC-2010 18:53 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL2PPM;;;;;;10L0221
Misc Info : ;1;;;2;;cal_1.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:22 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_1.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.458	5.458	(1.000)	464084	40.0000	
$ 2 2-Fluorophenol	112	4.006	4.006	(0.734)	58067	4.00000	3.946
$ 3 Phenol-d6	99	5.091	5.091	(0.933)	70789	4.00000	4.151
4 Pyridine	79	2.432	2.432	(0.446)	25038	2.00000	1.442
6 N-Nitroso-di-methylamine	42	2.418	2.418	(0.443)	11173	2.00000	1.782
7 Aniline	93	5.091	5.091	(0.933)	42168	2.00000	2.003
10 Phenol	94	5.105	5.105	(0.935)	40806	2.00000	2.072
11 bis(2-Chloroethyl)ether	93	5.186	5.186	(0.950)	30266	2.00000	2.027
12 2-Chlorophenol	128	5.227	5.227	(0.958)	34225	2.00000	2.146
13 1,3-Dichlorobenzene	146	5.397	5.397	(0.989)	33884	2.00000	1.941
14 1,4-Dichlorobenzene	146	5.479	5.479	(1.004)	35594	2.00000	2.074
15 Benzyl alcohol	108	5.642	5.642	(1.034)	15551	2.00000	1.808
16 1,2-Dichlorobenzene	146	5.656	5.656	(1.036)	31522	2.00000	1.923
17 2-Methylphenol	108	5.792	5.792	(1.061)	22842	2.00000	1.804
18 2,2'-Oxybis-1-chloropropane	45	5.812	5.812	(1.065)	43489	2.00000	1.835
19 3-Methylphenol	108	5.975	5.975	(1.095)	22571	2.00000	1.793
20 4-Methylphenol	108	5.975	5.975	(1.095)	22571	2.00000	1.793
21 N-Nitroso-di-n-propylamine	70	5.962	5.962	(1.092)	16164	2.00000	1.696
22 Hexachloroethane	117	6.043	6.043	(1.107)	12065	2.00000	1.809
* 33 Naphthalene-d8	136	6.947	6.947	(1.000)	1355537	40.0000	
$ 34 Nitrobenzene-d5	82	6.105	6.105	(0.879)	20612	2.00000	1.800
42 2,4-Dimethylphenol	107	6.594	6.594	(0.949)	19091	2.00000	1.816
44 bis(2-Chloroethoxy)methane	93	6.695	6.695	(0.964)	28751	2.00000	1.836
47 2,4-Dichlorophenol	162	6.797	6.797	(0.978)	19606	2.00000	1.879
50 1,2,4-Trichlorobenzene	180	6.886	6.886	(0.991)	25210	2.00000	1.964
51 Naphthalene	128	6.968	6.968	(1.003)	71208	2.00000	2.169

12/22

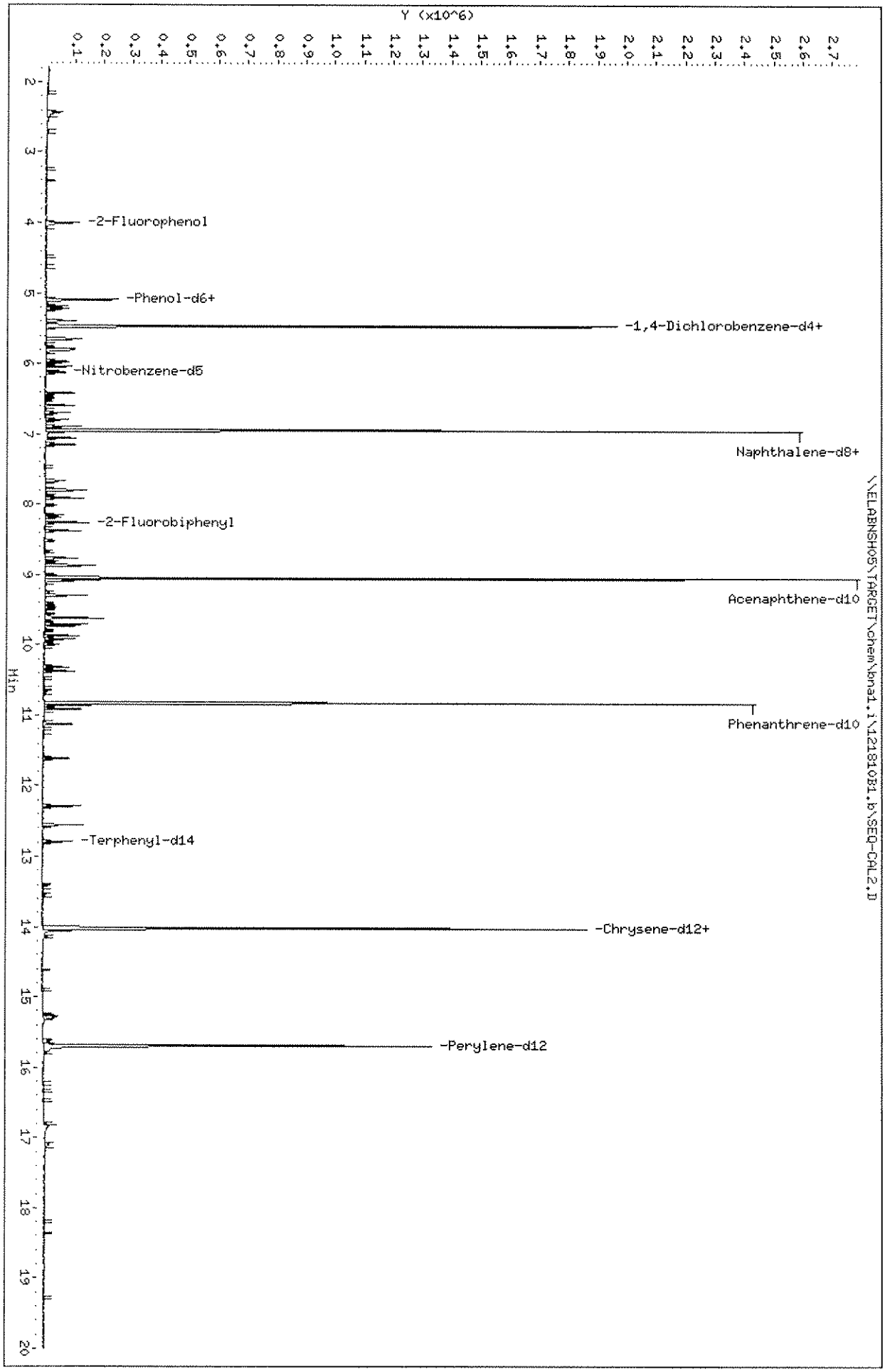
GCQ
12/29/10

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL2.D
Report Date: 22-Dec-2010 13:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
52 4-Chloroaniline	127	7.056	7.056	(1.016)	29680	2.00000	1.903
53 Hexachlorobutadiene	225	7.151	7.151	(1.029)	14291	2.00000	2.103
54 4-Chloro-3-methylphenol	107	7.667	7.667	(1.104)	13645	2.00000	1.639
55 2-Methylnaphthalene	141	7.803	7.803	(1.123)	38611	2.00000	2.153
56 1-Methylnaphthalene	141	7.912	7.912	(1.139)	35562	2.00000	1.936
* 69 Acenaphthene-d10	164	9.048	9.048	(1.000)	687439	40.0000	
70 Hexachlorocyclopentadiene	237	8.014	8.014	(0.886)	6188	2.00000	1.002
71 2,4,6-Trichlorophenol	196	8.157	8.157	(0.902)	9179	2.00000	1.357
73 2-Chloronaphthalene	162	8.375	8.375	(0.926)	42531	2.00000	2.036
$ 74 2-Fluorobiphenyl	172	8.259	8.259	(0.913)	44678	2.00000	1.946
75 2-Nitroaniline	65	8.517	8.517	(0.941)	5002	2.00000	0.9757
77 Acenaphthylene	152	8.871	8.871	(0.980)	65196	2.00000	2.006
79 3-Nitroaniline	138	9.013	9.013	(0.996)	8666	2.00000	1.330
80 Acenaphthene	153	9.082	9.082	(1.004)	43947	2.00000	2.208
84 Dibenzofuran	168	9.292	9.292	(1.027)	55718	2.00000	2.039
85 2,4-Dinitrotoluene	165	9.299	9.299	(1.028)	6505	2.00000	1.899
86 Diethylphthalate	149	9.619	9.619	(1.063)	107910	2.00000	4.681
87 4-Chlorophenyl-phenylether	204	9.728	9.728	(1.075)	23149	2.00000	2.099
88 Fluorene	166	9.708	9.708	(1.073)	44417	2.00000	2.036
89 4-Nitroaniline	138	9.742	9.742	(1.077)	5597	2.00000	1.186
* 102 Phenanthrene-d10	188	10.829	10.829	(1.000)	989304	40.0000	
103 1,2-Diphenylhydrazine	77	9.919	9.919	(0.916)	43686	2.00000	2.152
104 Carbazole	167	11.128	11.128	(1.028)	48960	2.00000	2.036
106 N-Nitrosodiphenylamine	169	9.871	9.871	(0.912)	31716	2.00000	1.919
108 4-Bromophenyl-phenylether	248	10.313	10.313	(0.952)	11848	2.00000	1.929
109 Hexachlorobenzene	284	10.374	10.374	(0.958)	15807	2.00000	2.178
111 Phenanthrene	178	10.856	10.856	(1.003)	59167	2.00000	2.216
112 Anthracene	178	10.917	10.917	(1.008)	54088	2.00000	2.059
116 Fluoranthene	202	12.287	12.287	(1.135)	54071	2.00000	1.984
* 132 Chrysene-d12	240	14.017	14.017	(1.000)	784855	40.0000	
134 Pyrene	202	12.552	12.552	(0.895)	55361	2.00000	2.096
$ 135 Terphenyl-d14	244	12.789	12.789	(0.912)	35044	2.00000	2.061
138 Benzo(a)anthracene	228	14.010	14.010	(1.000)	43656	2.00000	1.988
139 Chrysene	228	14.044	14.044	(1.002)	49290	2.00000	2.144
* 154 Perylene-d12	264	15.688	15.688	(1.000)	632385	40.0000	
156 Benzo(b)fluoranthene	252	15.259	15.259	(0.973)	21998	2.00000	1.270
157 Benzo(k)fluoranthene	252	15.294	15.294	(0.975)	33421	2.00000	1.680
158 Benzo(a)pyrene	252	15.626	15.626	(0.996)	22203	2.00000	1.398

Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL2.D
Date : 18-DEC-2010 18:53
Client ID: SEQ-CAL2
Sample Info: CAL2PPM;;;;;;10L0221
Column phase: fused silica

Instrument: bna1.i
Operator: MEC
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL3.D
Report Date: 22-Dec-2010 13:22

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL3.D
Lab Smp Id: SEQ-CAL3 Client Smp ID: SEQ-CAL3
Inj Date : 18-DEC-2010 19:21 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL5PPM;;;;;;10L0222
Misc Info : ;1;;;3;;cal_1.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:22 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_1.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.465	5.465	(1.000)	457770	40.0000	
$ 2 2-Fluorophenol	112	4.005	4.005	(0.733)	150633	10.0000	10.38
$ 3 Phenol-d6	99	5.091	5.091	(0.931)	188864	10.0000	11.23
4 Pyridine	79	2.418	2.418	(0.443)	85535	5.00000	4.994
6 N-Nitroso-di-methylamine	42	2.411	2.411	(0.441)	25912	5.00000	4.189
7 Aniline	93	5.091	5.091	(0.931)	115981	5.00000	5.585
10 Phenol	94	5.104	5.104	(0.934)	106727	5.00000	5.493
11 bis(2-Chloroethyl)ether	93	5.186	5.186	(0.949)	81236	5.00000	5.515
12 2-Chlorophenol	128	5.227	5.227	(0.956)	83586	5.00000	5.313
13 1,3-Dichlorobenzene	146	5.397	5.397	(0.988)	86359	5.00000	5.016
14 1,4-Dichlorobenzene	146	5.479	5.479	(1.002)	90396	5.00000	5.340
15 Benzyl alcohol	108	5.642	5.642	(1.032)	45374	5.00000	5.347
16 1,2-Dichlorobenzene	146	5.656	5.656	(1.035)	88294	5.00000	5.461
17 2-Methylphenol	108	5.792	5.792	(1.060)	63812	5.00000	5.110
18 2,2'-Oxybis-1-chloropropane	45	5.812	5.812	(1.064)	127231	5.00000	5.443
19 3-Methylphenol	108	5.982	5.982	(1.095)	67507	5.00000	5.438
20 4-Methylphenol	108	5.982	5.982	(1.095)	67507	5.00000	5.438
21 N-Nitroso-di-n-propylamine	70	5.955	5.955	(1.090)	48765	5.00000	5.186
22 Hexachloroethane	117	6.044	6.044	(1.106)	36344	5.00000	5.525
* 33 Naphthalene-d8	136	6.948	6.948	(1.000)	1428062	40.0000	
$ 34 Nitrobenzene-d5	82	6.105	6.105	(0.879)	58179	5.00000	4.823
35 Nitrobenzene	77	6.125	6.125	(0.882)	64125	5.00000	5.172
39 Isophorone	82	6.417	6.417	(0.924)	130850	5.00000	5.214
40 2-Nitrophenol	139	6.506	6.506	(0.936)	27748	5.00000	3.731
42 2,4-Dimethylphenol	107	6.594	6.594	(0.949)	54928	5.00000	4.961
44 bis(2-Chloroethoxy)methane	93	6.696	6.696	(0.964)	86399	5.00000	5.239

12/22

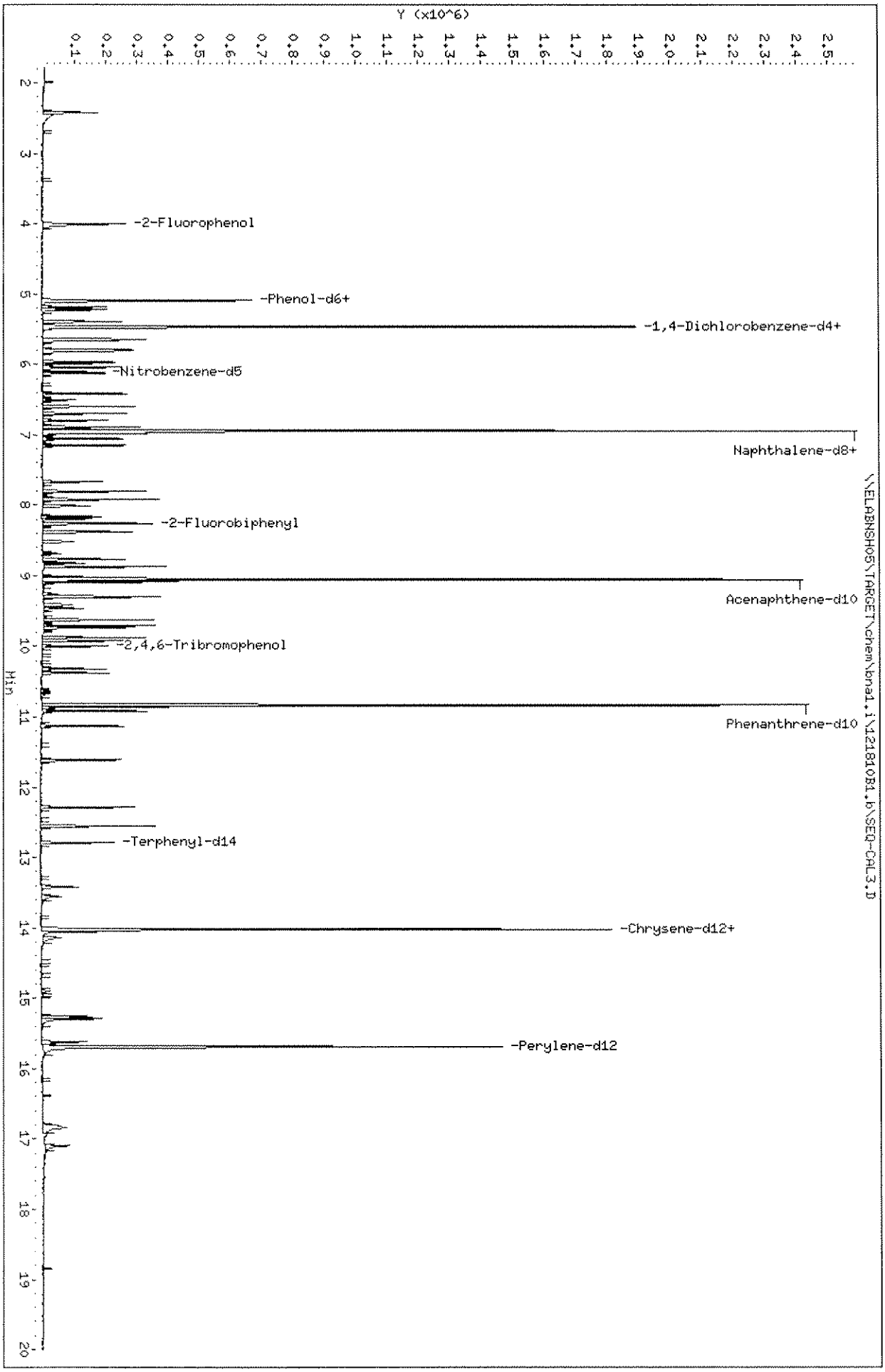
GVQ
12/29/10

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL3.D
Report Date: 22-Dec-2010 13:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
47 2,4-Dichlorophenol	162	6.798	6.798	(0.978)	51469	5.00000	4.683
50 1,2,4-Trichlorobenzene	180	6.887	6.887	(0.991)	69659	5.00000	5.151
51 Naphthalene	128	6.969	6.969	(1.003)	192215	5.00000	5.558
52 4-Chloroaniline	127	7.057	7.057	(1.016)	87875	5.00000	5.349
53 Hexachlorobutadiene	225	7.153	7.153	(1.029)	37055	5.00000	5.175
54 4-Chloro-3-methylphenol	107	7.662	7.662	(1.103)	42353	5.00000	4.828
55 2-Methylnaphthalene	141	7.805	7.805	(1.123)	92573	5.00000	4.900
56 1-Methylnaphthalene	141	7.914	7.914	(1.139)	100091	5.00000	5.172
* 69 Acenaphthene-d10	164	9.051	9.051	(1.000)	613279	40.0000	
70 Hexachlorocyclopentadiene	237	8.010	8.010	(0.885)	21526	5.00000	3.907
71 2,4,6-Trichlorophenol	196	8.159	8.159	(0.901)	29652	5.00000	4.914
72 2,4,5-Trichlorophenol	196	8.193	8.193	(0.905)	29429	5.00000	4.484
73 2-Chloronaphthalene	162	8.377	8.377	(0.926)	92098	5.00000	4.942
$ 74 2-Fluorobiphenyl	172	8.262	8.262	(0.913)	117373	5.00000	5.731
75 2-Nitroaniline	65	8.513	8.513	(0.941)	16819	5.00000	3.677
76 Dimethylphthalate	163	8.765	8.765	(0.968)	105280	5.00000	5.334
77 Acenaphthylene	152	8.874	8.874	(0.980)	165949	5.00000	5.723
78 2,6-Dinitrotoluene	165	8.819	8.819	(0.974)	20728	5.00000	3.947
79 3-Nitroaniline	138	9.010	9.010	(0.995)	24257	5.00000	4.173
80 Acenaphthene	153	9.085	9.085	(1.004)	101624	5.00000	5.723
84 Dibenzofuran	168	9.297	9.297	(1.027)	138604	5.00000	5.686
85 2,4-Dinitrotoluene	165	9.303	9.303	(1.028)	21414	5.00000	4.392
86 Diethylphthalate	149	9.623	9.623	(1.063)	155914	5.00000	7.581
87 4-Chlorophenyl-phenylether	204	9.732	9.732	(1.075)	53772	5.00000	5.465
88 Fluorene	166	9.705	9.705	(1.072)	109906	5.00000	5.647
89 4-Nitroaniline	138	9.739	9.739	(1.076)	18225	5.00000	4.328
96 2,3,4,6-Tetrachlorophenol	232	9.460	9.460	(1.045)	20773	5.00000	3.824
* 102 Phenanthrene-d10	188	10.828	10.828	(1.000)	990056	40.0000	
103 1,2-Diphenylhydrazine	77	9.917	9.917	(0.916)	103928	5.00000	5.116
104 Carbazole	167	11.128	11.128	(1.028)	119990	5.00000	4.985
106 N-Nitrosodiphenylamine	169	9.876	9.876	(0.912)	83772	5.00000	5.064
$ 107 2,4,6-Tribromophenol	330	9.998	9.998	(0.923)	30634	10.0000	8.059
108 4-Bromophenyl-phenylether	248	10.318	10.318	(0.953)	31410	5.00000	5.110
109 Hexachlorobenzene	284	10.379	10.379	(0.959)	36997	5.00000	5.095
110 Pentachlorophenol	266	10.624	10.624	(0.981)	5706	5.00000	6.953
111 Phenanthrene	178	10.855	10.855	(1.003)	148085	5.00000	5.542
112 Anthracene	178	10.917	10.917	(1.008)	137835	5.00000	5.244
115 Di-n-butylphthalate	149	11.609	11.609	(1.072)	162576	5.00000	4.818
116 Fluoranthene	202	12.287	12.287	(1.135)	127007	5.00000	4.656
* 132 Chrysene-d12	240	14.018	14.018	(1.000)	705722	40.0000	
134 Pyrene	202	12.552	12.552	(0.895)	151988	5.00000	6.400
$ 135 Terphenyl-d14	244	12.790	12.790	(0.912)	87695	5.00000	5.736
136 Butylbenzylphthalate	149	13.414	13.414	(0.957)	47760	5.00000	4.332
138 Benzo(a)anthracene	228	14.011	14.011	(1.000)	98597	5.00000	4.995
139 Chrysene	228	14.045	14.045	(1.002)	118180	5.00000	5.716
140 Bis(2-ethylhexyl)phthalate	149	14.141	14.141	(1.009)	43474	5.00000	3.146
* 154 Perylene-d12	264	15.691	15.691	(1.000)	675874	40.0000	

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL3.D
Report Date: 22-Dec-2010 13:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
156 Benzo(b)fluoranthene	252	15.262	15.262	(0.973)	76164	5.00000	4.113
157 Benzo(k)fluoranthene	252	15.289	15.289	(0.974)	109475	5.00000	5.151
158 Benzo(a)pyrene	252	15.622	15.622	(0.996)	77654	5.00000	4.573
159 Indeno(1,2,3-cd)pyrene	276	16.814	16.814	(1.072)	52615	5.00000	3.696
160 Dibenz(a,h)anthracene	278	16.835	16.835	(1.073)	36383	5.00000	6.175
161 Benzo(g,h,i)perylene	276	17.095	17.095	(1.089)	57292	5.00000	4.488


Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL3.D
Date : 18-DEC-2010 19:21
Client ID: SEQ-CAL3
Sample Info: CAL5PPM;;;;;;10L0222
Instrument: bna1.i
Operator: MEC
Column phase: fused silica
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6+
-1,4-Dichlorobenzene-d4+
-Nitrobenzene-d5
Naphthalene-d8+
-2-Fluorobiphenyl
Acenaphthene-d10
-2,4,6-Tribromophenol
Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
\\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL3.D

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL4.D
Report Date: 22-Dec-2010 13:22

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL4.D
Lab Smp Id: SEQ-CAL4 Client Smp ID: SEQ-CAL4
Inj Date : 18-DEC-2010 19:49 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL10PPM;;;;;;10L0223
Misc Info : ;1;;;4;;cal_1.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:22 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_1.sub
Target Version: 4.04
Processing Host: TARGET09_VM

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
*	1	1,4-Dichlorobenzene-d4	152	5.464	5.464	(1.000)	432540	40.0000	
$	2	2-Fluorophenol	112	3.998	3.998	(0.732)	285154	20.0000	20.79
$	3	Phenol-d6	99	5.090	5.090	(0.931)	346348	20.0000	21.79
	4	Pyridine	79	2.411	2.411	(0.441)	154834	10.0000	9.566
	6	N-Nitroso-di-methylamine	42	2.411	2.411	(0.441)	59586	10.0000	10.20
	7	Aniline	93	5.090	5.090	(0.931)	211305	10.0000	10.77
	10	Phenol	94	5.103	5.103	(0.934)	198304	10.0000	10.80
	11	bis(2-Chloroethyl)ether	93	5.185	5.185	(0.949)	148513	10.0000	10.67
	12	2-Chlorophenol	128	5.226	5.226	(0.956)	155500	10.0000	10.46
	13	1,3-Dichlorobenzene	146	5.396	5.396	(0.988)	174512	10.0000	10.73
	14	1,4-Dichlorobenzene	146	5.478	5.478	(1.002)	168904	10.0000	10.56
	15	Benzyl alcohol	108	5.641	5.641	(1.032)	94200	10.0000	11.75
	16	1,2-Dichlorobenzene	146	5.655	5.655	(1.035)	177693	10.0000	11.63
	17	2-Methylphenol	108	5.791	5.791	(1.060)	137317	10.0000	11.64
	18	2,2'-Oxybis-1-chloropropane	45	5.811	5.811	(1.064)	247913	10.0000	11.22
	19	3-Methylphenol	108	5.982	5.982	(1.095)	128871	10.0000	10.99
	20	4-Methylphenol	108	5.982	5.982	(1.095)	128871	10.0000	10.99
	21	N-Nitroso-di-n-propylamine	70	5.954	5.954	(1.090)	97385	10.0000	10.96
	22	Hexachloroethane	117	6.043	6.043	(1.106)	68043	10.0000	10.95
*	33	Naphthalene-d8	136	6.948	6.948	(1.000)	1373762	40.0000	
$	34	Nitrobenzene-d5	82	6.104	6.104	(0.879)	116354	10.0000	10.03
	35	Nitrobenzene	77	6.125	6.125	(0.881)	119390	10.0000	10.01
	39	Isophorone	82	6.417	6.417	(0.924)	232512	10.0000	9.631
	40	2-Nitrophenol	139	6.505	6.505	(0.936)	58779	10.0000	8.216
	42	2,4-Dimethylphenol	107	6.594	6.594	(0.949)	110043	10.0000	10.33
	43	Benzoic acid	105	6.710	6.710	(0.966)	7556	10.0000	12.71

12/22 L
GLQ
12/29/10

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL4.D
Report Date: 22-Dec-2010 13:22

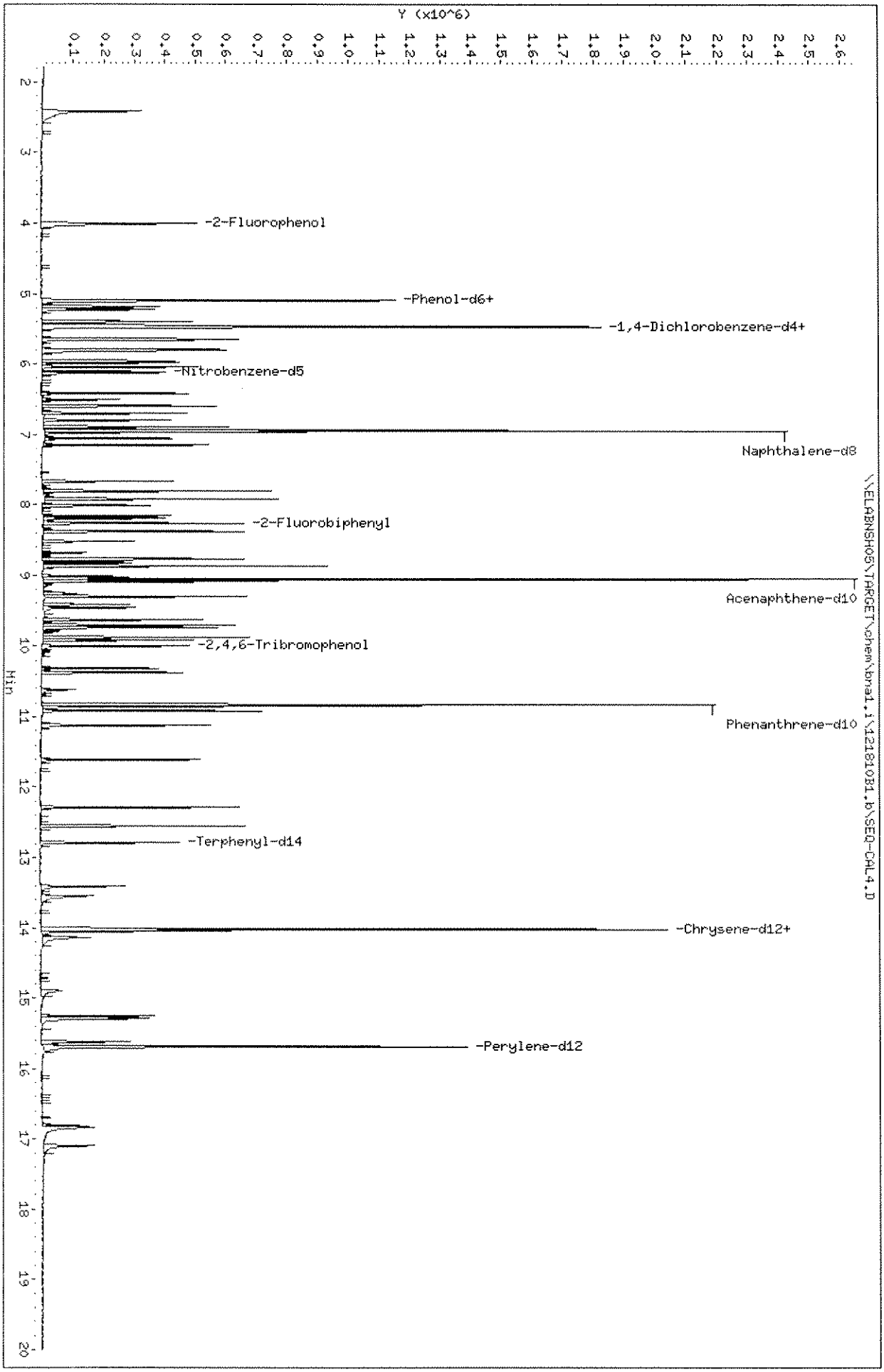
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
	44 bis(2-Chloroethoxy)methane	93	6.696	6.696	(0.964)	163237	10.0000	10.29
	47 2,4-Dichlorophenol	162	6.798	6.798	(0.978)	107025	10.0000	10.12
	50 1,2,4-Trichlorobenzene	180	6.887	6.887	(0.991)	138073	10.0000	10.61
	51 Naphthalene	128	6.969	6.969	(1.003)	369418	10.0000	11.10
	52 4-Chloroaniline	127	7.058	7.058	(1.016)	152439	10.0000	9.646
	53 Hexachlorobutadiene	225	7.146	7.146	(1.028)	75741	10.0000	11.00
	54 4-Chloro-3-methylphenol	107	7.663	7.663	(1.103)	82448	10.0000	9.771
	55 2-Methylnaphthalene	141	7.799	7.799	(1.122)	199186	10.0000	10.96
	56 1-Methylnaphthalene	141	7.915	7.915	(1.139)	201564	10.0000	10.83
*	69 Acenaphthene-d10	164	9.047	9.047	(1.000)	664979	40.0000	
	70 Hexachlorocyclopentadiene	237	8.011	8.011	(0.885)	50662	10.0000	8.480
	71 2,4,6-Trichlorophenol	196	8.154	8.154	(0.901)	67330	10.0000	10.29
	72 2,4,5-Trichlorophenol	196	8.195	8.195	(0.906)	69434	10.0000	9.757
	73 2-Chloronaphthalene	162	8.379	8.379	(0.926)	207527	10.0000	10.27
$	74 2-Fluorobiphenyl	172	8.263	8.263	(0.913)	243926	10.0000	10.98
	75 2-Nitroaniline	65	8.515	8.515	(0.941)	40452	10.0000	8.157
	76 Dimethylphthalate	163	8.767	8.767	(0.969)	241311	10.0000	11.28
	77 Acenaphthylene	152	8.870	8.870	(0.980)	348515	10.0000	11.08
	78 2,6-Dinitrotoluene	165	8.822	8.822	(0.975)	49885	10.0000	8.761
	79 3-Nitroaniline	138	9.013	9.013	(0.996)	54247	10.0000	8.606
	80 Acenaphthene	153	9.088	9.088	(1.005)	202617	10.0000	10.52
	81 2,4-Dinitrophenol	184	9.143	9.143	(1.011)	5238	10.0000	12.18(M)
	83 4-Nitrophenol	65	9.252	9.252	(1.023)	16384	10.0000	9.695
	84 Dibenzofuran	168	9.293	9.293	(1.027)	256745	10.0000	9.714
	85 2,4-Dinitrotoluene	165	9.300	9.300	(1.028)	49028	10.0000	8.194
	86 Diethylphthalate	149	9.628	9.628	(1.064)	255232	10.0000	11.44
	87 4-Chlorophenyl-phenylether	204	9.730	9.730	(1.076)	111650	10.0000	10.46
	88 Fluorene	166	9.703	9.703	(1.072)	216146	10.0000	10.24
	89 4-Nitroaniline	138	9.744	9.744	(1.077)	40270	10.0000	8.820
	96 2,3,4,6-Tetrachlorophenol	232	9.457	9.457	(1.045)	51565	10.0000	8.756
*	102 Phenanthrene-d10	188	10.827	10.827	(1.000)	969529	40.0000	
	103 1,2-Diphenylhydrazine	77	9.915	9.915	(0.916)	214342	10.0000	10.77
	104 Carbazole	167	11.127	11.127	(1.028)	244414	10.0000	10.37
	105 4,6-Dinitro-2-methylphenol	198	9.785	9.785	(0.904)	11206	10.0000	11.46(M)
	106 N-Nitrosodiphenylamine	169	9.874	9.874	(0.912)	176671	10.0000	10.91
$	107 2,4,6-Tribromophenol	330	9.997	9.997	(0.923)	70370	20.0000	18.90
	108 4-Bromophenyl-phenylether	248	10.316	10.316	(0.953)	57760	10.0000	9.596
	109 Hexachlorobenzene	284	10.377	10.377	(0.958)	73019	10.0000	10.27
	110 Pentachlorophenol	266	10.622	10.622	(0.981)	17476	10.0000	9.452
	111 Phenanthrene	178	10.854	10.854	(1.003)	280070	10.0000	10.70
	112 Anthracene	178	10.916	10.916	(1.008)	278640	10.0000	10.82
	115 Di-n-butylphthalate	149	11.609	11.609	(1.072)	326523	10.0000	9.882
	116 Fluoranthene	202	12.288	12.288	(1.135)	268297	10.0000	10.04
*	132 Chrysene-d12	240	14.020	14.020	(1.000)	773489	40.0000	
	134 Pyrene	202	12.553	12.553	(0.895)	274806	10.0000	10.56
$	135 Terphenyl-d14	244	12.784	12.784	(0.912)	170414	10.0000	10.17
	136 Butylbenzylphthalate	149	13.414	13.414	(0.957)	107034	10.0000	8.857

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL4.D
Report Date: 22-Dec-2010 13:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
138 Benzo(a)anthracene	228	14.013	14.013	(1.000)	217843	10.0000	10.07
139 Chrysene	228	14.047	14.047	(1.002)	227158	10.0000	10.02
140 Bis(2-ethylhexyl)phthalate	149	14.136	14.136	(1.008)	114025	10.0000	7.528
* 154 Perylene-d12	264	15.687	15.687	(1.000)	623181	40.0000	
155 Di-n-octylphthalate	149	14.897	14.897	(0.950)	105382	10.0000	7.964
156 Benzo(b)fluoranthene	252	15.257	15.257	(0.973)	169898	10.0000	9.951
157 Benzo(k)fluoranthene	252	15.292	15.292	(0.975)	203724	10.0000	10.40
158 Benzo(a)pyrene	252	15.618	15.618	(0.996)	154034	10.0000	9.838
159 Indeno(1,2,3-cd)pyrene	276	16.817	16.817	(1.072)	113701	10.0000	8.663
160 Dibenz(a,h)anthracene	278	16.837	16.837	(1.073)	88850	10.0000	10.70
161 Benzo(g,h,i)perylene	276	17.098	17.098	(1.090)	103491	10.0000	8.793

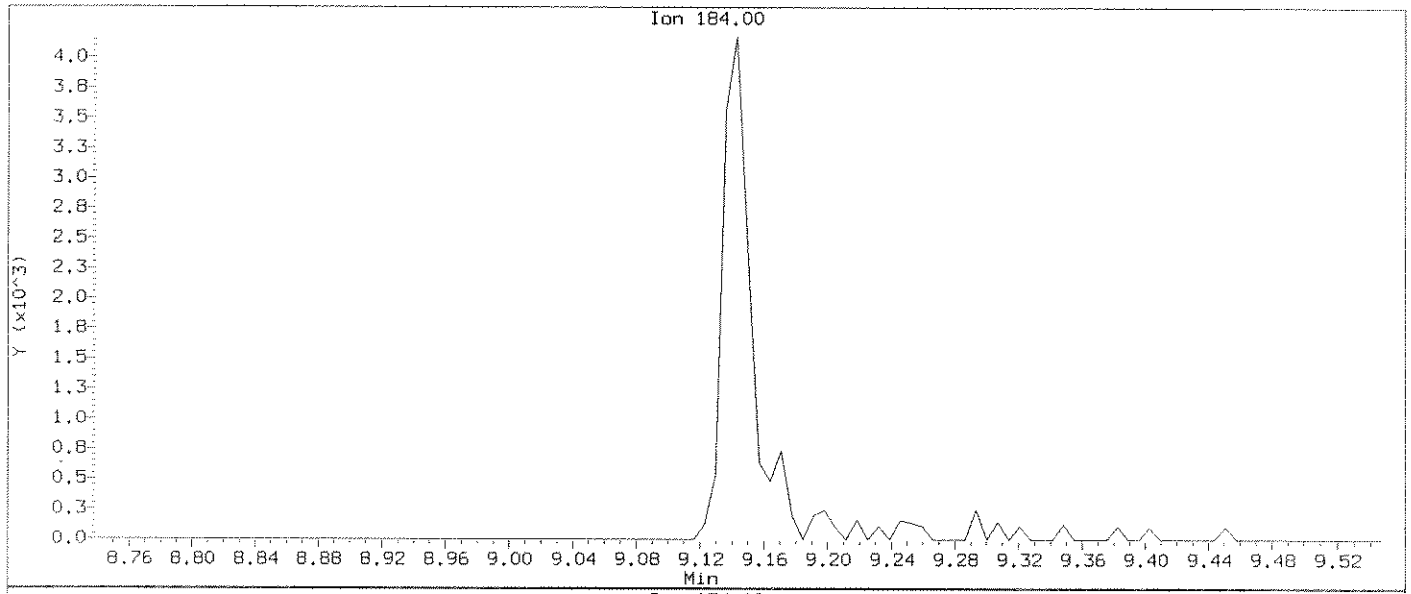
QC Flag Legend

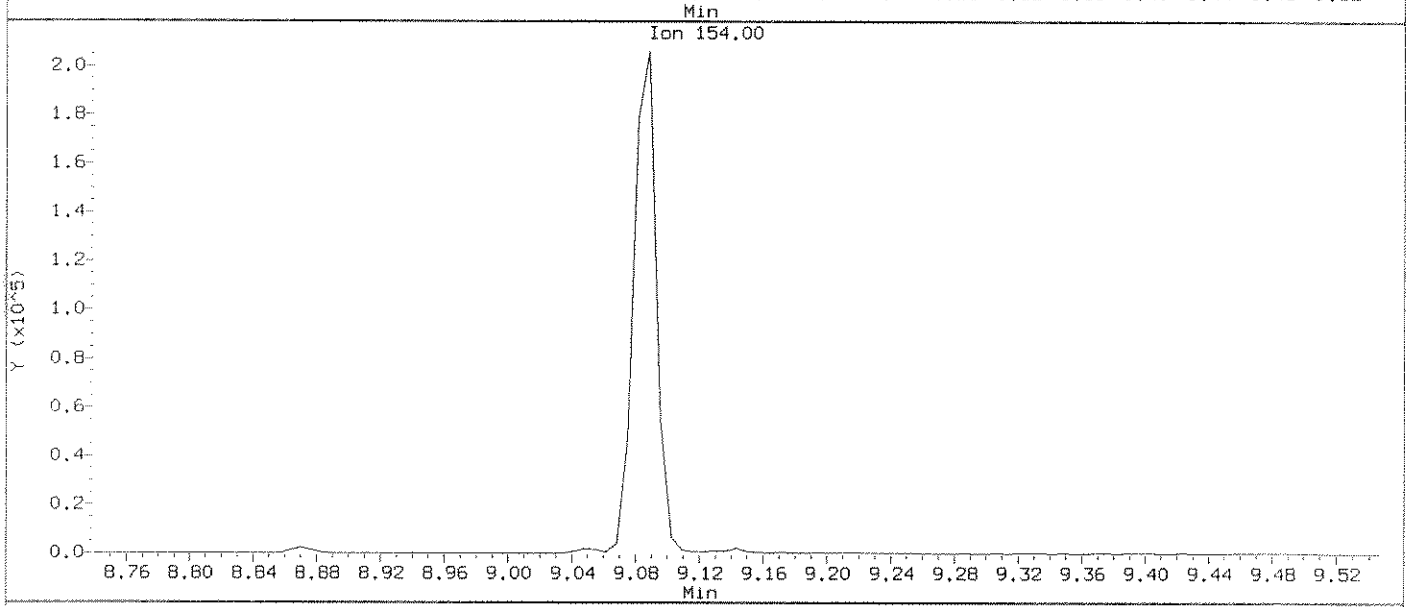
M - Compound response manually integrated.

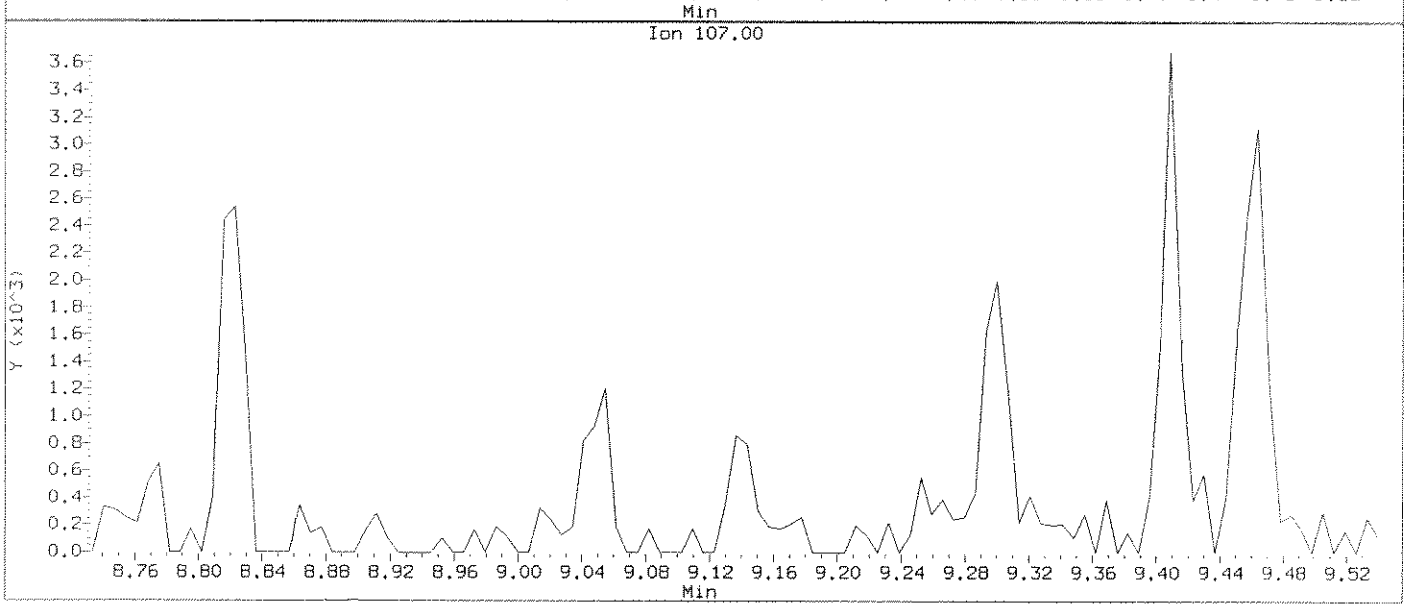

Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL4.D
Date : 18-DEC-2010 19:49
Client ID: SEQ-CAL4
Sample Info: CAL10PPM;;;;;;10L0223
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6+
-1,4-Dichlorobenzene-d4+
-Nitrobenzene-d5
Naphthalene-d8
-2-Fluorobiphenyl
Acenaphthene-d10
-2,4,6-Tribromophenol
Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
\\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL4.D

Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL4.D
Injection Date: 18-DEC-2010 19:49
Instrument: bna1.i
Client Sample ID: SEQ-CAL4

Compound: 2,4-Dinitrophenol
CAS Number: 51-28-5

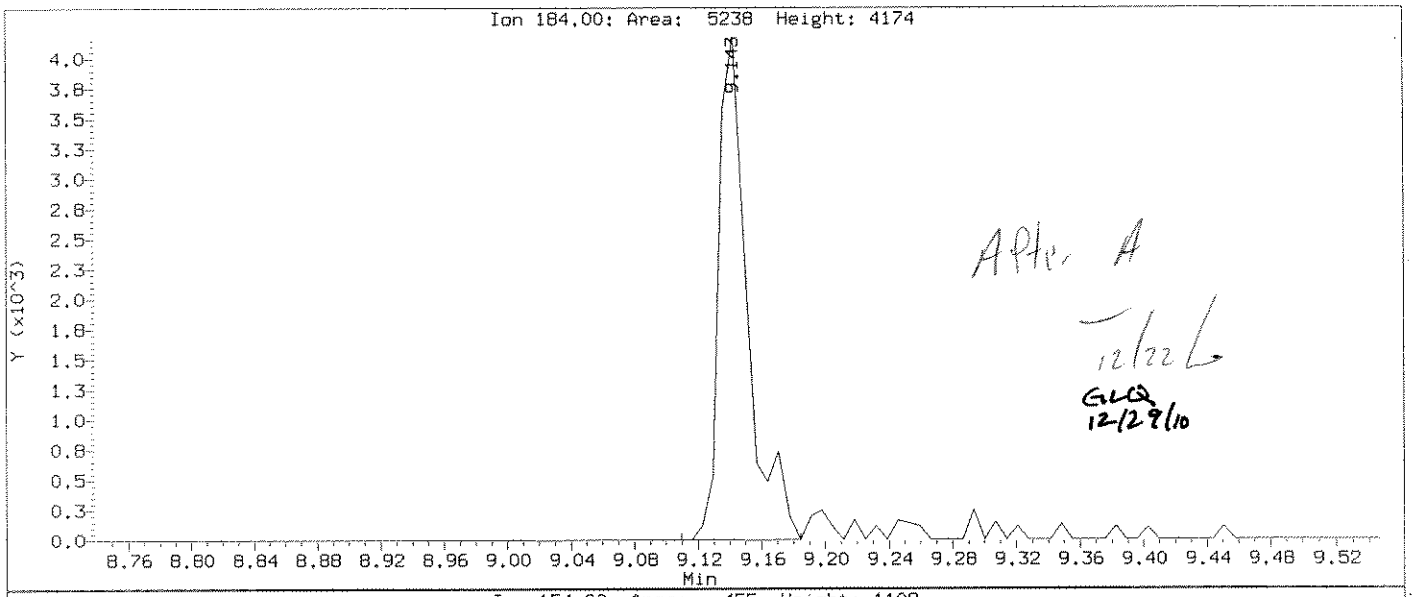




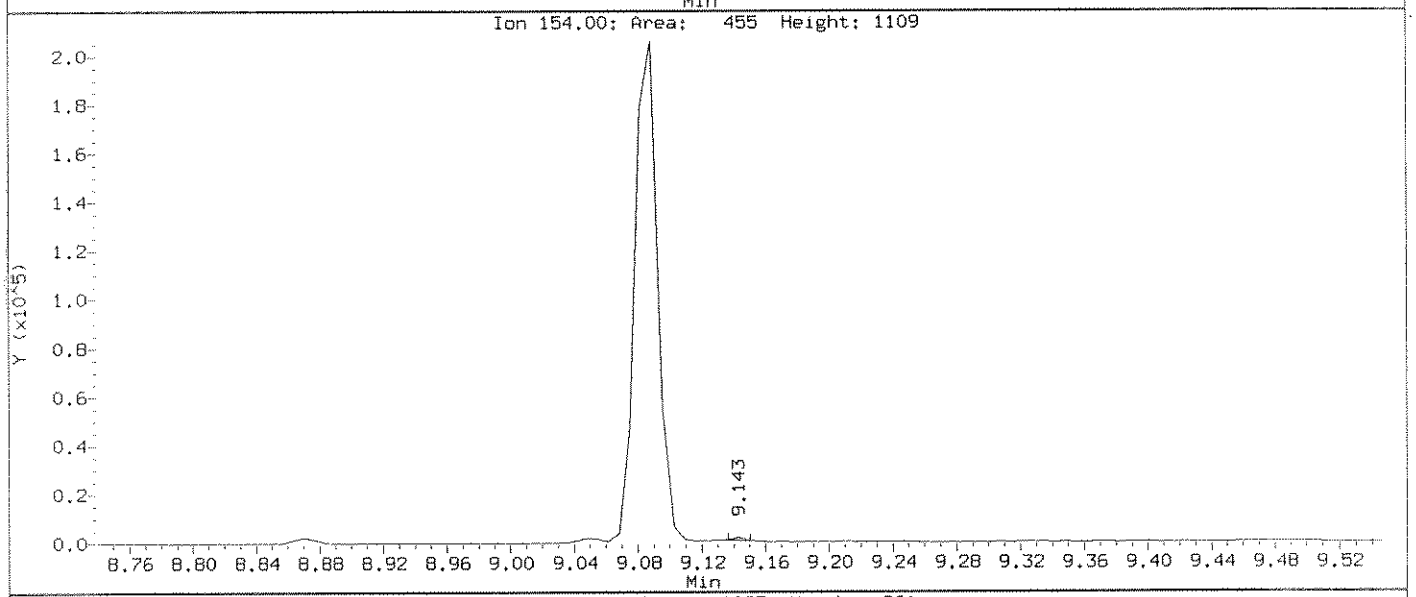


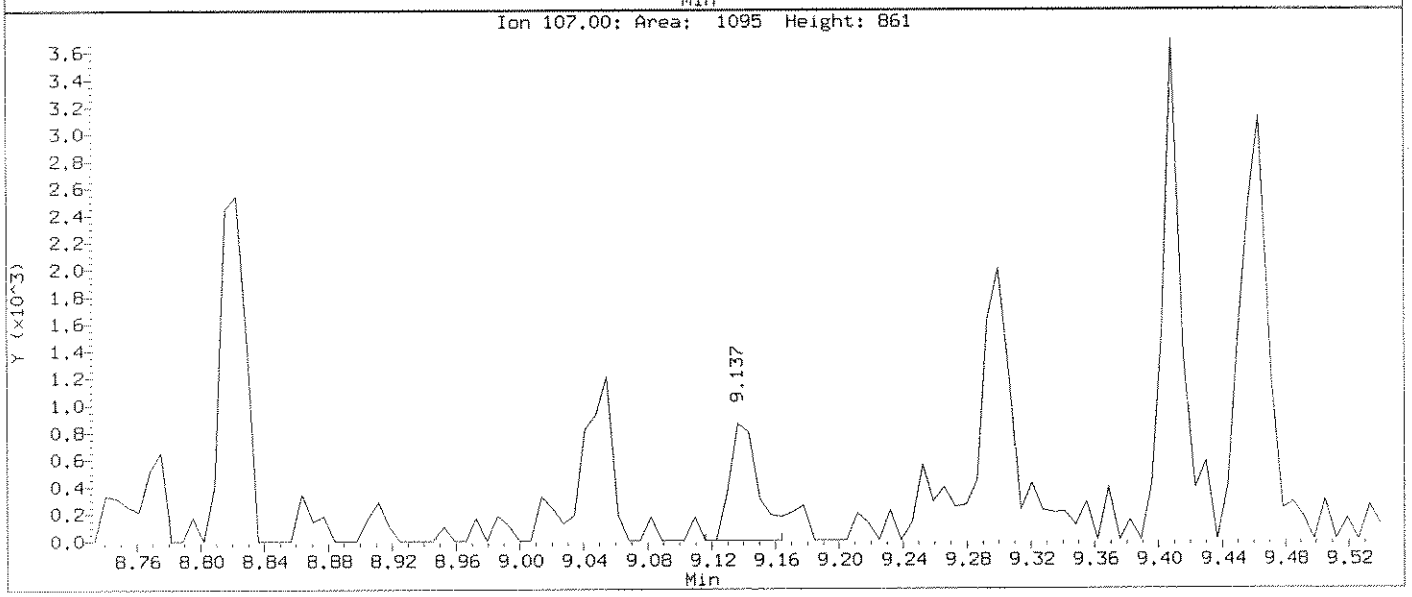
Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121B10B1.b\SEQ-CAL4.D
Injection Date: 18-DEC-2010 19:49
Instrument: bna1.i
Client Sample ID: SEQ-CAL4

Compound: 2,4-Dinitrophenol
CAS Number: 51-28-5



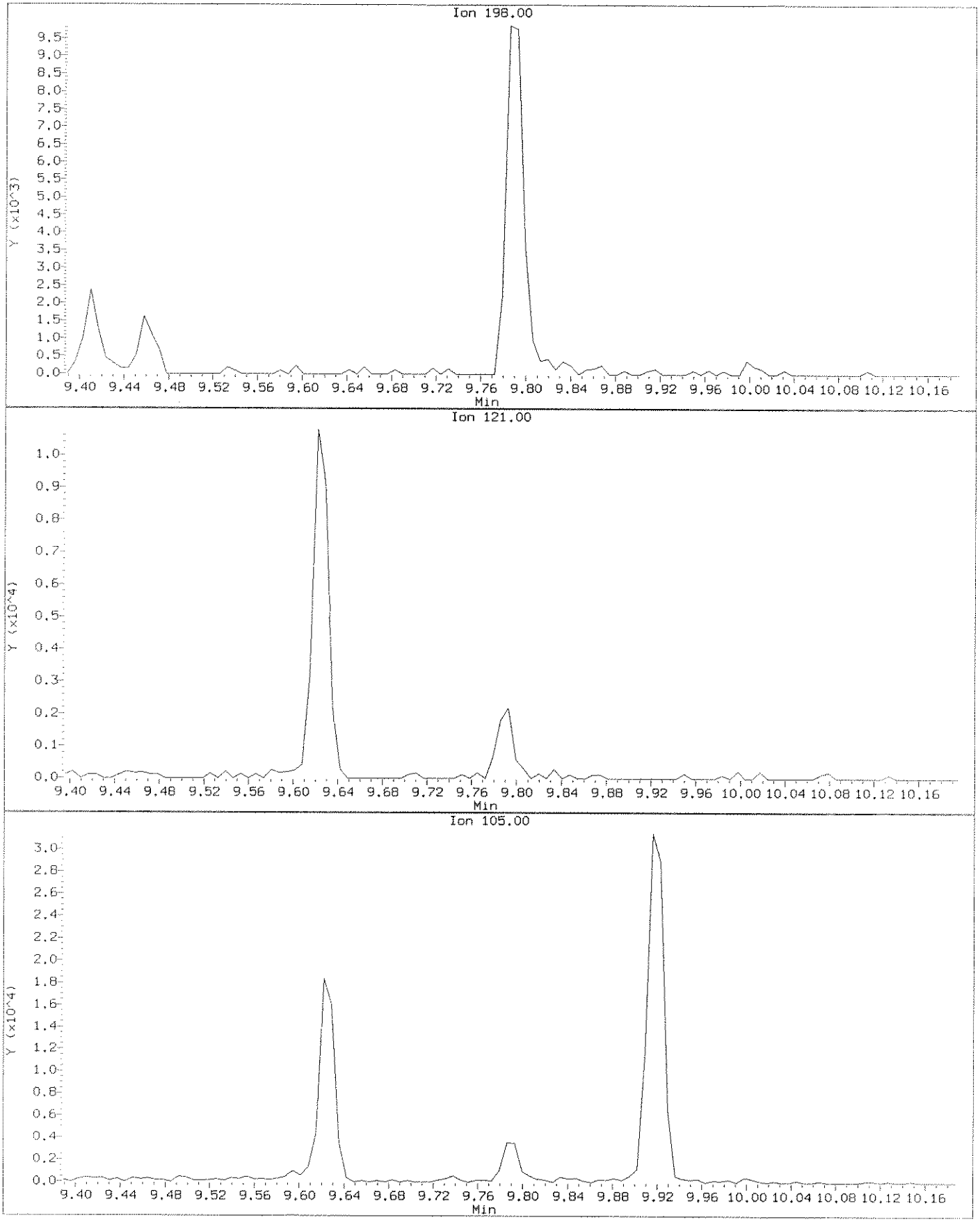
Apte. A
12/22
GLQ
12/29/10





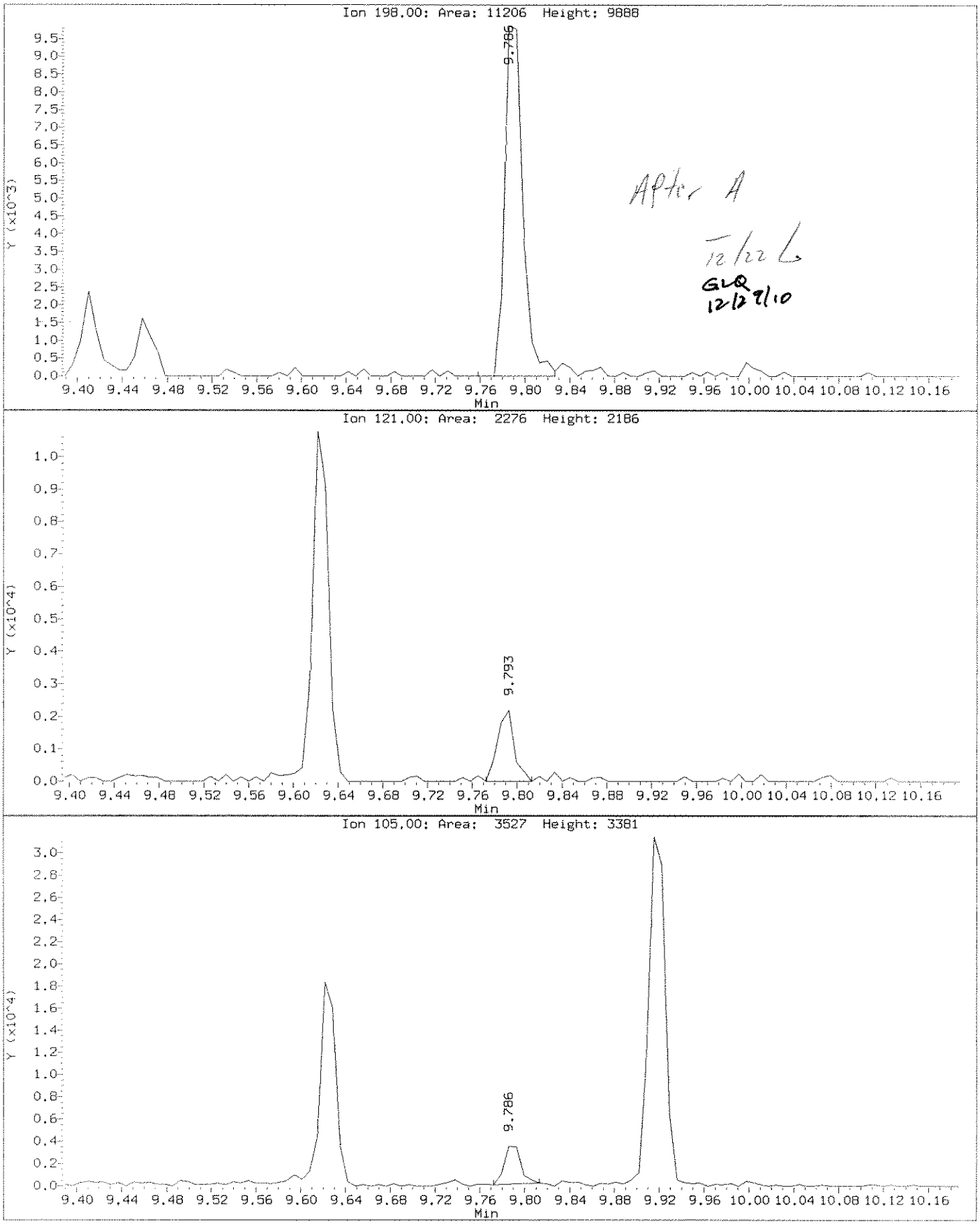
Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL4.D
Injection Date: 18-DEC-2010 19:49
Instrument: bna1.i
Client Sample ID: SEQ-CAL4

Compound: 4,6-Dinitro-2-methylphenol
CAS Number: 534-52-1



Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL4.D
Injection Date: 18-DEC-2010 19:49
Instrument: bna1.i
Client Sample ID: SEQ-CAL4

Compound: 4,6-Dinitro-2-methylphenol
CAS Number: 534-52-1



After A
Total
GLQ
12/22/10

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL5.D
Report Date: 22-Dec-2010 13:22

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL5.D
Lab Smp Id: SEQ-CAL5 Client Smp ID: SEQ-CAL5
Inj Date : 18-DEC-2010 20:17 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL20PPM;;;;;;10L0224
Misc Info : ;1;;;5;;cal_1.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:22 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_1.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.460	5.460	(1.000)	503327	40.0000	
$ 2 2-Fluorophenol	112	4.006	4.006	(0.734)	626999	40.0000	39.29
$ 3 Phenol-d6	99	5.092	5.092	(0.933)	780572	40.0000	42.20
4 Pyridine	79	2.411	2.411	(0.442)	391230	20.0000	20.77
6 N-Nitroso-di-methylamine	42	2.411	2.411	(0.442)	139387	20.0000	20.50
7 Aniline	93	5.092	5.092	(0.933)	468803	20.0000	20.53
10 Phenol	94	5.112	5.112	(0.936)	446354	20.0000	20.89
11 bis(2-Chloroethyl)ether	93	5.187	5.187	(0.950)	333713	20.0000	20.60
12 2-Chlorophenol	128	5.221	5.221	(0.956)	345315	20.0000	19.96
13 1,3-Dichlorobenzene	146	5.399	5.399	(0.989)	396069	20.0000	20.92
14 1,4-Dichlorobenzene	146	5.480	5.480	(1.004)	382130	20.0000	20.53
15 Benzyl alcohol	108	5.644	5.644	(1.034)	195017	20.0000	20.90
16 1,2-Dichlorobenzene	146	5.658	5.658	(1.036)	363698	20.0000	20.46
17 2-Methylphenol	108	5.794	5.794	(1.061)	292447	20.0000	21.30
18 2,2'-Oxybis-1-chloropropane	45	5.814	5.814	(1.065)	543723	20.0000	21.16
19 3-Methylphenol	108	5.978	5.978	(1.095)	273319	20.0000	20.02
20 4-Methylphenol	108	5.978	5.978	(1.095)	273319	20.0000	20.02
21 N-Nitroso-di-n-propylamine	70	5.957	5.957	(1.091)	215762	20.0000	20.87
22 Hexachloroethane	117	6.039	6.039	(1.106)	149631	20.0000	20.69
* 33 Naphthalene-d8	136	6.946	6.946	(1.000)	1543623	40.0000	
$ 34 Nitrobenzene-d5	82	6.108	6.108	(0.879)	271860	20.0000	20.85
35 Nitrobenzene	77	6.128	6.128	(0.882)	269152	20.0000	20.08
39 Isophorone	82	6.421	6.421	(0.924)	563341	20.0000	20.77
40 2-Nitrophenol	139	6.503	6.503	(0.936)	164606	20.0000	20.48
42 2,4-Dimethylphenol	107	6.598	6.598	(0.950)	245495	20.0000	20.51
43 Benzoic acid	105	6.734	6.734	(0.969)	51980	20.0000	18.70

12/22

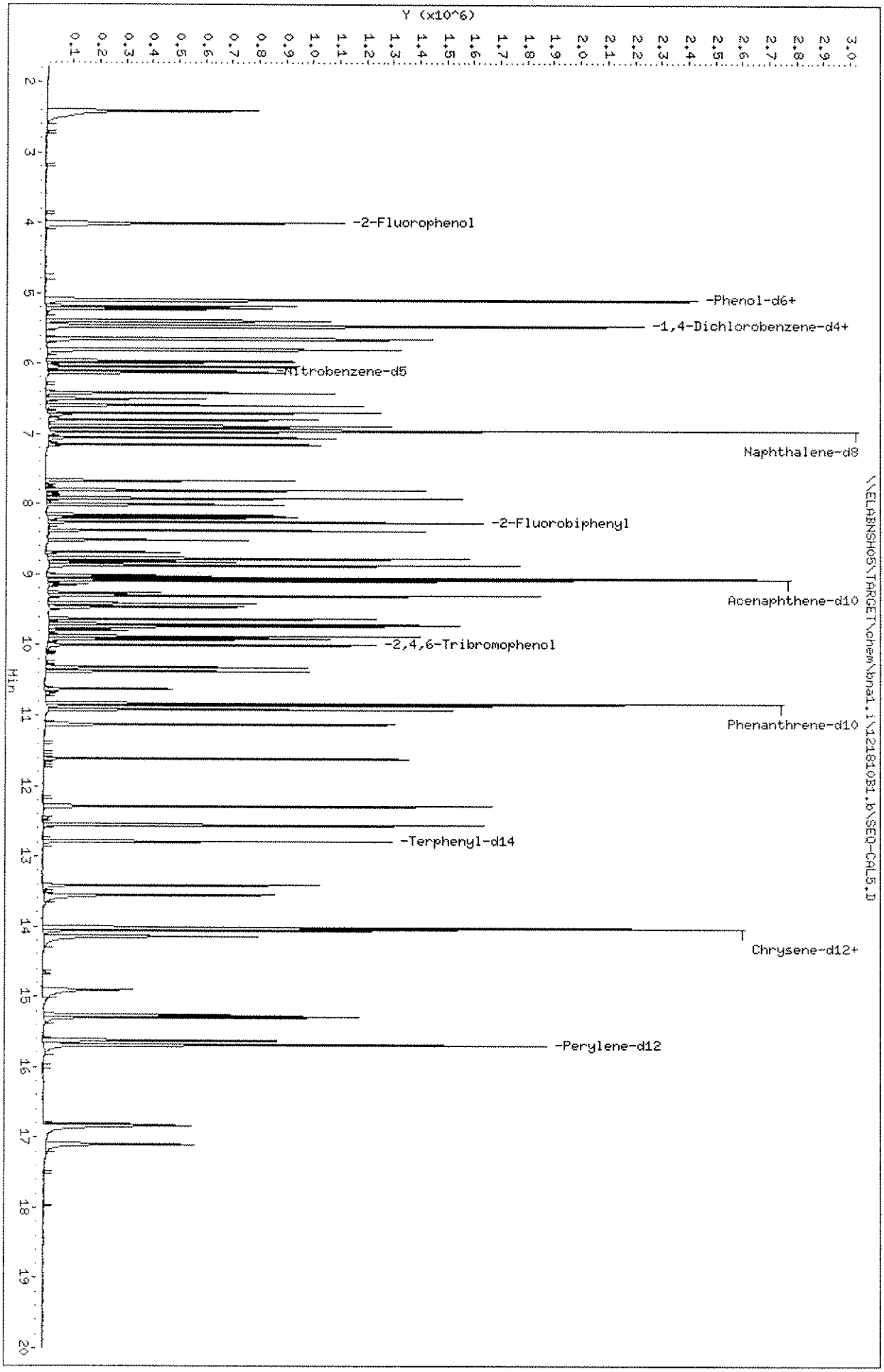
GLQ
12/29/10

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL5.D
Report Date: 22-Dec-2010 13:22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
	44 bis(2-Chloroethoxy)methane	93	6.700	6.700	(0.965)	360464	20.0000	20.22
	47 2,4-Dichlorophenol	162	6.796	6.796	(0.978)	241067	20.0000	20.29
	50 1,2,4-Trichlorobenzene	180	6.892	6.892	(0.992)	292078	20.0000	19.98
	51 Naphthalene	128	6.967	6.967	(1.003)	796531	20.0000	21.31
	52 4-Chloroaniline	127	7.056	7.056	(1.016)	367939	20.0000	20.72
	53 Hexachlorobutadiene	225	7.152	7.152	(1.030)	146406	20.0000	18.92
	54 4-Chloro-3-methylphenol	107	7.662	7.662	(1.103)	192389	20.0000	20.29
	55 2-Methylnaphthalene	141	7.806	7.806	(1.124)	425071	20.0000	20.82
	56 1-Methylnaphthalene	141	7.914	7.914	(1.139)	435817	20.0000	20.83
*	69 Acenaphthene-d10	164	9.053	9.053	(1.000)	730547	40.0000	
	70 Hexachlorocyclopentadiene	237	8.010	8.010	(0.885)	135359	20.0000	20.62
	71 2,4,6-Trichlorophenol	196	8.159	8.159	(0.901)	150993	20.0000	21.01
	72 2,4,5-Trichlorophenol	196	8.194	8.194	(0.905)	162344	20.0000	20.77
	73 2-Chloronaphthalene	162	8.377	8.377	(0.925)	462226	20.0000	20.82
$	74 2-Fluorobiphenyl	172	8.261	8.261	(0.912)	529739	20.0000	21.71
	75 2-Nitroaniline	65	8.520	8.520	(0.941)	118492	20.0000	21.75
	76 Dimethylphthalate	163	8.773	8.773	(0.969)	535042	20.0000	22.76
	77 Acenaphthylene	152	8.869	8.869	(0.980)	754097	20.0000	21.83
	78 2,6-Dinitrotoluene	165	8.828	8.828	(0.975)	135306	20.0000	21.63
	79 3-Nitroaniline	138	9.019	9.019	(0.996)	145541	20.0000	21.02
	80 Acenaphthene	153	9.088	9.088	(1.004)	478276	20.0000	22.61
	81 2,4-Dinitrophenol	184	9.142	9.142	(1.010)	27779	20.0000	18.98
	83 4-Nitrophenol	65	9.259	9.259	(1.023)	58277	20.0000	20.69
	84 Dibenzofuran	168	9.300	9.300	(1.027)	652075	20.0000	22.46
	85 2,4-Dinitrotoluene	165	9.307	9.307	(1.028)	151931	20.0000	21.34
	86 Diethylphthalate	149	9.628	9.628	(1.063)	543227	20.0000	22.17
	87 4-Chlorophenyl-phenylether	204	9.731	9.731	(1.075)	253862	20.0000	21.66
	88 Fluorene	166	9.710	9.710	(1.073)	509313	20.0000	21.97
	89 4-Nitroaniline	138	9.751	9.751	(1.077)	101112	20.0000	20.16
	96 2,3,4,6-Tetrachlorophenol	232	9.464	9.464	(1.045)	131914	20.0000	20.39
*	102 Phenanthrene-d10	188	10.831	10.831	(1.000)	1121762	40.0000	
	103 1,2-Diphenylhydrazine	77	9.922	9.922	(0.916)	507841	20.0000	22.06
	104 Carbazole	167	11.132	11.132	(1.028)	651007	20.0000	23.87
	105 4,6-Dinitro-2-methylphenol	198	9.792	9.792	(0.904)	57298	20.0000	19.49
	106 N-Nitrosodiphenylamine	169	9.881	9.881	(0.912)	420919	20.0000	22.46
$	107 2,4,6-Tribromophenol	330	10.004	10.004	(0.924)	195586	40.0000	45.41
	108 4-Bromophenyl-phenylether	248	10.318	10.318	(0.953)	156180	20.0000	22.43
	109 Hexachlorobenzene	284	10.380	10.380	(0.958)	177498	20.0000	21.57
	110 Pentachlorophenol	266	10.626	10.626	(0.981)	78841	20.0000	20.10
	111 Phenanthrene	178	10.859	10.859	(1.003)	638637	20.0000	21.09
	112 Anthracene	178	10.921	10.921	(1.008)	673457	20.0000	22.61
	115 Di-n-butylphthalate	149	11.616	11.616	(1.072)	883587	20.0000	23.11
	116 Fluoranthene	202	12.289	12.289	(1.135)	717140	20.0000	23.20
*	132 Chrysene-d12	240	14.025	14.025	(1.000)	1020080	40.0000	
	134 Pyrene	202	12.555	12.555	(0.895)	690085	20.0000	20.10
$	135 Terphenyl-d14	244	12.786	12.786	(0.912)	433456	20.0000	19.62
	136 Butylbenzylphthalate	149	13.412	13.412	(0.956)	330967	20.0000	20.77

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL5.D
Report Date: 22-Dec-2010 13:22

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
138 Benzo(a)anthracene	228	14.011	14.011	(0.999)	578951	20.0000	20.29
139 Chrysene	228	14.052	14.052	(1.002)	611487	20.0000	20.46
140 Bis(2-ethylhexyl)phthalate	149	14.141	14.141	(1.008)	421497	20.0000	21.10
* 154 Perylene-d12	264	15.688	15.688	(1.000)	855719	40.0000	
155 Di-n-octylphthalate	149	14.903	14.903	(0.950)	513921	20.0000	19.46
156 Benzo(b)fluoranthene	252	15.265	15.265	(0.973)	498905	20.0000	21.28
157 Benzo(k)fluoranthene	252	15.292	15.292	(0.975)	588324	20.0000	21.86
158 Benzo(a)pyrene	252	15.627	15.627	(0.996)	458426	20.0000	21.32
159 Indeno(1,2,3-cd)pyrene	276	16.819	16.819	(1.072)	354867	20.0000	19.69
160 Dibenz(a,h)anthracene	278	16.840	16.840	(1.073)	274832	20.0000	19.80
161 Benzo(g,h,i)perylene	276	17.100	17.100	(1.090)	315233	20.0000	19.50


Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL5.D
Date : 18-DEC-2010 20:17
Client ID: SEQ-CAL5
Sample Info: CAL20PPM;;;;;;10L0224
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6+
-1,4-Dichlorobenzene-d4+
Nitrobenzene-d5
Naphthalene-d8
-2-Fluorobiphenyl
Acenaphthene-d10
-2,4,6-Tribromophenol
Phenanthrene-d10
-Terphenyl-d14
Chrysene-d12+
-Perylene-d12

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL6.D
Report Date: 22-Dec-2010 13:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL6.D
Lab Smp Id: SEQ-CAL6 Client Smp ID: SEQ-CAL6
Inj Date : 18-DEC-2010 20:45 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL40PPM;;;;;;10L0225
Misc Info : ;1;;;6;;cal_1.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:22 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_1.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.462	5.462	(1.000)	467847	40.0000	
$ 2 2-Fluorophenol	112	4.000	4.000	(0.732)	1272956	80.0000	85.82
$ 3 Phenol-d6	99	5.100	5.100	(0.934)	1404322	80.0000	81.69
4 Pyridine	79	2.412	2.412	(0.442)	800516	40.0000	45.73
6 N-Nitroso-di-methylamine	42	2.405	2.405	(0.440)	283684	40.0000	44.88
7 Aniline	93	5.093	5.093	(0.933)	869953	40.0000	40.99
10 Phenol	94	5.114	5.114	(0.936)	815661	40.0000	41.07
11 bis(2-Chloroethyl)ether	93	5.189	5.189	(0.950)	637439	40.0000	42.34
12 2-Chlorophenol	128	5.223	5.223	(0.956)	688150	40.0000	42.80
13 1,3-Dichlorobenzene	146	5.393	5.393	(0.987)	751288	40.0000	42.69
14 1,4-Dichlorobenzene	146	5.482	5.482	(1.004)	730791	40.0000	42.24
15 Benzyl alcohol	108	5.646	5.646	(1.034)	389931	40.0000	44.96
16 1,2-Dichlorobenzene	146	5.653	5.653	(1.035)	682053	40.0000	41.28
17 2-Methylphenol	108	5.796	5.796	(1.061)	541813	40.0000	42.46
18 2,2'-Oxybis-1-chloropropane	45	5.817	5.817	(1.065)	984546	40.0000	41.21
19 3-Methylphenol	108	5.987	5.987	(1.096)	589691	40.0000	46.48
20 4-Methylphenol	108	5.987	5.987	(1.096)	589691	40.0000	46.48
21 N-Nitroso-di-n-propylamine	70	5.967	5.967	(1.092)	440209	40.0000	45.81
22 Hexachloroethane	117	6.042	6.042	(1.106)	289228	40.0000	43.02
* 33 Naphthalene-d8	136	6.950	6.950	(1.000)	1615872	40.0000	
$ 34 Nitrobenzene-d5	82	6.110	6.110	(0.879)	556094	40.0000	40.74
35 Nitrobenzene	77	6.131	6.131	(0.882)	576361	40.0000	41.08
39 Isophorone	82	6.423	6.423	(0.924)	1174417	40.0000	41.36
40 2-Nitrophenol	139	6.505	6.505	(0.936)	350365	40.0000	41.64
42 2,4-Dimethylphenol	107	6.601	6.601	(0.950)	505708	40.0000	40.36
43 Benzoic acid	105	6.778	6.778	(0.975)	215968	40.0000	38.49

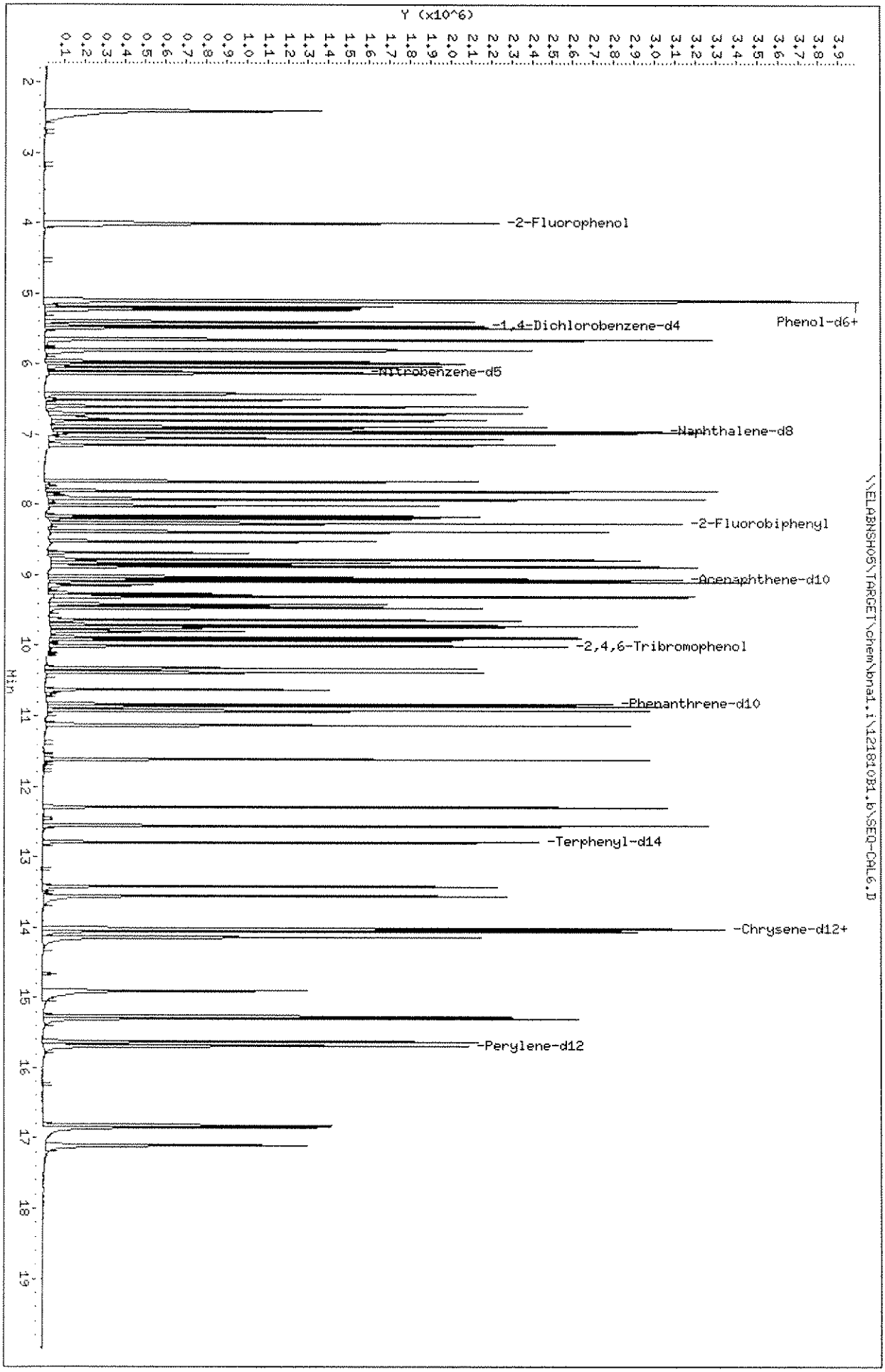
12/22 6
GLQ
12/29/10

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL6.D
Report Date: 22-Dec-2010 13:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
	44 bis(2-Chloroethoxy)methane	93	6.703	6.703	(0.965)	767265	40.0000	41.11
	47 2,4-Dichlorophenol	162	6.799	6.799	(0.978)	547169	40.0000	44.00
	50 1,2,4-Trichlorobenzene	180	6.895	6.895	(0.992)	638070	40.0000	41.70
	51 Naphthalene	128	6.970	6.970	(1.003)	1591383	40.0000	40.67
	52 4-Chloroaniline	127	7.059	7.059	(1.016)	755579	40.0000	40.65
	53 Hexachlorobutadiene	225	7.149	7.149	(1.029)	331919	40.0000	40.97
	54 4-Chloro-3-methylphenol	107	7.667	7.667	(1.103)	415060	40.0000	41.82
	55 2-Methylnaphthalene	141	7.804	7.804	(1.123)	905013	40.0000	42.34
	56 1-Methylnaphthalene	141	7.921	7.921	(1.140)	902216	40.0000	41.20
*	69 Acenaphthene-d10	164	9.050	9.050	(1.000)	854609	40.0000	
	70 Hexachlorocyclopentadiene	237	8.010	8.010	(0.885)	336721	40.0000	43.85
	71 2,4,6-Trichlorophenol	196	8.160	8.160	(0.902)	347697	40.0000	41.35
	72 2,4,5-Trichlorophenol	196	8.194	8.194	(0.905)	368776	40.0000	40.32
	73 2-Chloronaphthalene	162	8.385	8.385	(0.927)	1035869	40.0000	39.89
$	74 2-Fluorobiphenyl	172	8.262	8.262	(0.913)	1122082	40.0000	39.31
	75 2-Nitroaniline	65	8.523	8.523	(0.942)	270492	40.0000	42.44
	76 Dimethylphthalate	163	8.783	8.783	(0.970)	1069309	40.0000	38.88
	77 Acenaphthylene	152	8.879	8.879	(0.981)	1486108	40.0000	36.78
	78 2,6-Dinitrotoluene	165	8.831	8.831	(0.976)	312974	40.0000	42.77
	79 3-Nitroaniline	138	9.023	9.023	(0.997)	340152	40.0000	41.99
	80 Acenaphthene	153	9.092	9.092	(1.005)	886559	40.0000	35.83
	81 2,4-Dinitrophenol	184	9.147	9.147	(1.011)	103681	40.0000	36.81
	83 4-Nitrophenol	65	9.263	9.263	(1.024)	153136	40.0000	40.51
	84 Dibenzofuran	168	9.298	9.298	(1.027)	1407851	40.0000	41.45
	85 2,4-Dinitrotoluene	165	9.311	9.311	(1.029)	364406	40.0000	42.74
	86 Diethylphthalate	149	9.634	9.634	(1.064)	1116730	40.0000	38.97
	87 4-Chlorophenyl-phenylether	204	9.736	9.736	(1.076)	535893	40.0000	39.08
	88 Fluorene	166	9.709	9.709	(1.073)	1057555	40.0000	38.99
	89 4-Nitroaniline	138	9.756	9.756	(1.078)	244400	40.0000	41.65
	96 2,3,4,6-Tetrachlorophenol	232	9.463	9.463	(1.046)	336000	40.0000	44.39
*	102 Phenanthrene-d10	188	10.830	10.830	(1.000)	1281516	40.0000	
	103 1,2-Diphenylhydrazine	77	9.921	9.921	(0.916)	996718	40.0000	37.90
	104 Carbazole	167	11.132	11.132	(1.028)	1301090	40.0000	41.76
	105 4,6-Dinitro-2-methylphenol	198	9.798	9.798	(0.905)	203104	40.0000	41.31
	106 N-Nitrosodiphenylamine	169	9.887	9.887	(0.913)	886477	40.0000	41.40
$	107 2,4,6-Tribromophenol	330	10.003	10.003	(0.924)	430394	80.0000	87.48
	108 4-Bromophenyl-phenylether	248	10.317	10.317	(0.953)	328141	40.0000	41.24
	109 Hexachlorobenzene	284	10.379	10.379	(0.958)	373728	40.0000	39.76
	110 Pentachlorophenol	266	10.625	10.625	(0.981)	233504	40.0000	42.92
	111 Phenanthrene	178	10.858	10.858	(1.003)	1385566	40.0000	40.06
	112 Anthracene	178	10.919	10.919	(1.008)	1322518	40.0000	38.87
	115 Di-n-butylphthalate	149	11.617	11.617	(1.073)	1849152	40.0000	42.34
	116 Fluoranthene	202	12.292	12.292	(1.135)	1447326	40.0000	40.99
*	132 Chrysene-d12	240	14.024	14.024	(1.000)	1090258	40.0000	
	134 Pyrene	202	12.559	12.559	(0.896)	1510526	40.0000	41.17
$	135 Terphenyl-d14	244	12.790	12.790	(0.912)	878960	40.0000	37.22
	136 Butylbenzylphthalate	149	13.416	13.416	(0.957)	707926	40.0000	41.56

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL6.D
Report Date: 22-Dec-2010 13:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
138 Benzo(a)anthracene	228	14.010	14.010	(0.999)	1308633	40.0000	42.91
139 Chrysene	228	14.058	14.058	(1.002)	1290385	40.0000	40.40
140 Bis(2-ethylhexyl)phthalate	149	14.140	14.140	(1.008)	934082	40.0000	43.75
* 154 Perylene-d12	264	15.694	15.694	(1.000)	975278	40.0000	
155 Di-n-octylphthalate	149	14.904	14.904	(0.950)	1383775	40.0000	41.26
156 Benzo(b)fluoranthene	252	15.266	15.266	(0.973)	1143366	40.0000	42.79
157 Benzo(k)fluoranthene	252	15.300	15.300	(0.975)	1414614	40.0000	46.12
158 Benzo(a)pyrene	252	15.628	15.628	(0.996)	1107879	40.0000	45.22
159 Indeno(1,2,3-cd)pyrene	276	16.820	16.820	(1.072)	933402	40.0000	45.44
160 Dibenz(a,h)anthracene	278	16.848	16.848	(1.073)	718369	40.0000	40.97
161 Benzo(g,h,i)perylene	276	17.109	17.109	(1.090)	789664	40.0000	42.87


Data File: \\ELABNSHO5\TARGET\chem\bnai.i\121810B1.b\SEQ-CAL6.D
Date : 18-DEC-2010 20:45
Client ID: SEQ-CAL6
Sample Info: CAL40PPM;;;;;;10L0225
Column phase: fused silica
Instrument: bnai.i
Operator: HEC
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
Phenol-d6+
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
\\ELABNSHO5\TARGET\chem\bnai.i\121810B1.b\SEQ-CAL6.D

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL7.D
Report Date: 22-Dec-2010 13:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL7.D
Lab Smp Id: SEQ-CAL7 Client Smp ID: SEQ-CAL7
Inj Date : 18-DEC-2010 21:12 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL50PPM;;;;;;10L0226
Misc Info : ;1;;;7;;cal_1.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:23 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_1.sub
Target Version: 4.04
Processing Host: TARGET09_VM

							AMOUNTS	
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/ul)	ON-COL (ng/ul)
*	1 1,4-Dichlorobenzene-d4	152	5.463	5.463	(1.000)	510950	40.0000	
$	2 2-Fluorophenol	112	4.001	4.001	(0.732)	1476279	100.000	91.13
$	3 Phenol-d6	99	5.108	5.108	(0.935)	1749788	100.000	93.20
	4 Pyridine	79	2.405	2.405	(0.440)	930096	50.0000	48.65
	6 N-Nitroso-di-methylamine	42	2.405	2.405	(0.440)	337406	50.0000	48.87
	7 Aniline	93	5.094	5.094	(0.933)	1077004	50.0000	46.47
	10 Phenol	94	5.122	5.122	(0.938)	1015003	50.0000	46.80
	11 bis(2-Chloroethyl)ether	93	5.190	5.190	(0.950)	800090	50.0000	48.66
	12 2-Chlorophenol	128	5.224	5.224	(0.956)	871355	50.0000	49.62
	13 1,3-Dichlorobenzene	146	5.395	5.395	(0.987)	928154	50.0000	48.29
	14 1,4-Dichlorobenzene	146	5.484	5.484	(1.004)	929387	50.0000	49.18
	15 Benzyl alcohol	108	5.647	5.647	(1.034)	440775	50.0000	46.54
	16 1,2-Dichlorobenzene	146	5.654	5.654	(1.035)	827472	50.0000	45.85
	17 2-Methylphenol	108	5.797	5.797	(1.061)	661064	50.0000	47.43
	18 2,2'-Oxybis-1-chloropropane	45	5.811	5.811	(1.064)	1229682	50.0000	47.13
	19 3-Methylphenol	108	5.988	5.988	(1.096)	606205	50.0000	43.75
	20 4-Methylphenol	108	5.988	5.988	(1.096)	606205	50.0000	43.75
	21 N-Nitroso-di-n-propylamine	70	5.968	5.968	(1.092)	437441	50.0000	41.68
	22 Hexachloroethane	117	6.043	6.043	(1.106)	348217	50.0000	47.43
*	33 Naphthalene-d8	136	6.945	6.945	(1.000)	1478367	40.0000	
$	34 Nitrobenzene-d5	82	6.111	6.111	(0.880)	665096	50.0000	53.26
	35 Nitrobenzene	77	6.132	6.132	(0.883)	655824	50.0000	51.09
	39 Isophorone	82	6.425	6.425	(0.925)	1258677	50.0000	48.45
	40 2-Nitrophenol	139	6.507	6.507	(0.937)	384990	50.0000	50.01
	42 2,4-Dimethylphenol	107	6.603	6.603	(0.951)	602778	50.0000	52.59
	43 Benzoic acid	105	6.787	6.787	(0.977)	282309	50.0000	48.80

12/22 6
GLQ
12/29/10

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL7.D
Report Date: 22-Dec-2010 13:23

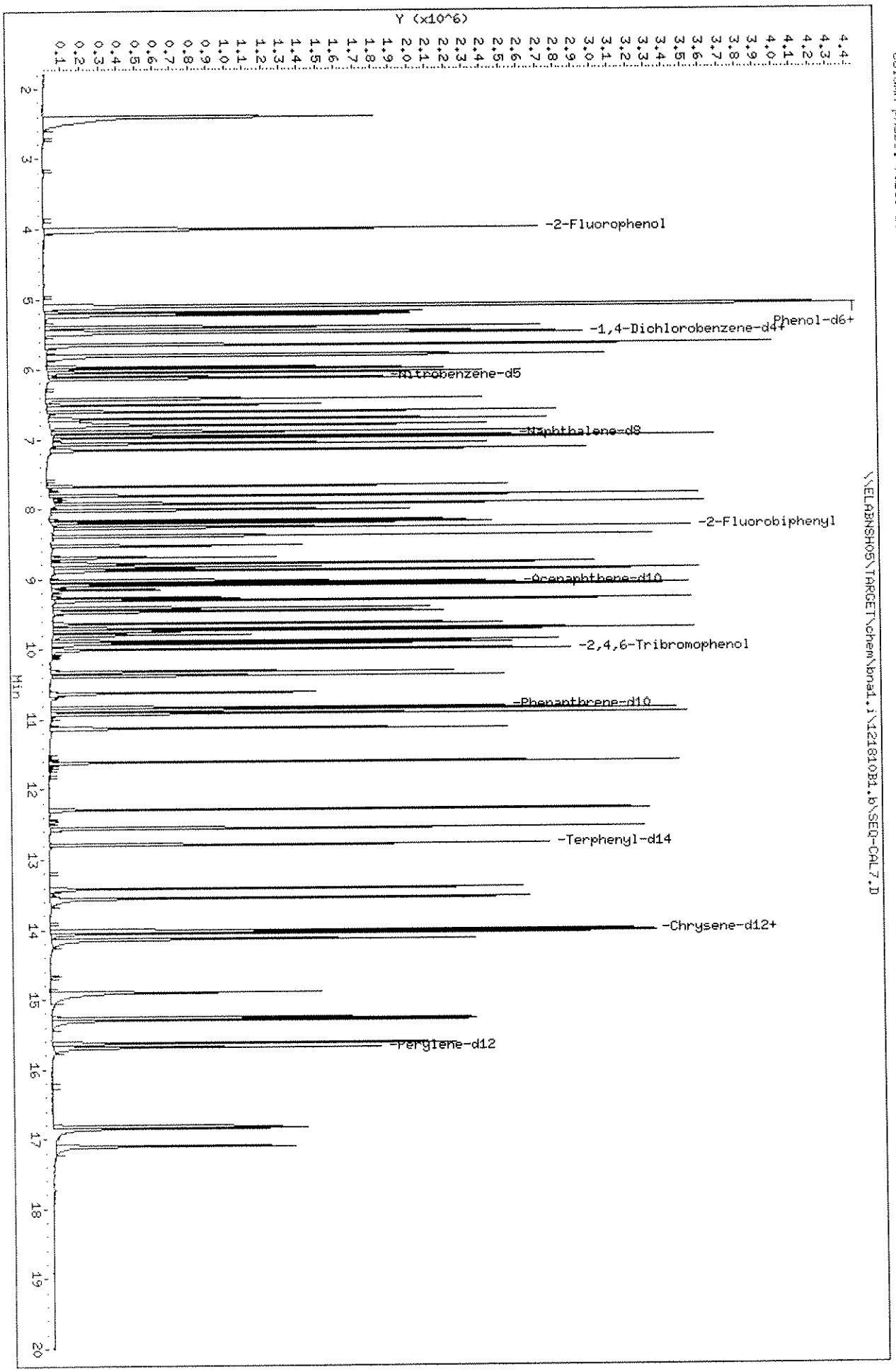
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
44 bis(2-Chloroethoxy)methane	93	6.705	6.705	(0.965)	855725	50.0000	50.12
47 2,4-Dichlorophenol	162	6.801	6.801	(0.979)	571661	50.0000	50.24
50 1,2,4-Trichlorobenzene	180	6.890	6.890	(0.992)	650262	50.0000	46.45
51 Naphthalene	128	6.972	6.972	(1.004)	1764010	50.0000	49.27
52 4-Chloroaniline	127	7.061	7.061	(1.017)	877931	50.0000	51.62
53 Hexachlorobutadiene	225	7.150	7.150	(1.030)	378839	50.0000	51.11
54 4-Chloro-3-methylphenol	107	7.669	7.669	(1.104)	468949	50.0000	51.64
55 2-Methylnaphthalene	141	7.806	7.806	(1.124)	961852	50.0000	49.18
56 1-Methylnaphthalene	141	7.922	7.922	(1.141)	1035652	50.0000	51.69
* 69 Acenaphthene-d10	164	9.054	9.054	(1.000)	681327	40.0000	
70 Hexachlorocyclopentadiene	237	8.011	8.011	(0.885)	345584	50.0000	56.46
71 2,4,6-Trichlorophenol	196	8.162	8.162	(0.901)	395967	50.0000	59.07
72 2,4,5-Trichlorophenol	196	8.196	8.196	(0.905)	423530	50.0000	58.09
73 2-Chloronaphthalene	162	8.382	8.382	(0.926)	1107217	50.0000	53.48
$ 74 2-Fluorobiphenyl	172	8.265	8.265	(0.913)	1199539	50.0000	52.72
75 2-Nitroaniline	65	8.526	8.526	(0.942)	266011	50.0000	52.35
76 Dimethylphthalate	163	8.780	8.780	(0.970)	1066723	50.0000	48.65
77 Acenaphthylene	152	8.876	8.876	(0.980)	1626664	50.0000	50.50
78 2,6-Dinitrotoluene	165	8.828	8.828	(0.975)	311387	50.0000	53.38
79 3-Nitroaniline	138	9.027	9.027	(0.997)	359952	50.0000	55.74
80 Acenaphthene	153	9.088	9.088	(1.004)	985656	50.0000	49.96
81 2,4-Dinitrophenol	184	9.150	9.150	(1.011)	128984	50.0000	50.35
83 4-Nitrophenol	65	9.267	9.267	(1.024)	160328	50.0000	51.71
84 Dibenzofuran	168	9.301	9.301	(1.027)	1381940	50.0000	51.03
85 2,4-Dinitrotoluene	165	9.315	9.315	(1.029)	360998	50.0000	52.87
86 Diethylphthalate	149	9.636	9.636	(1.064)	1199278	50.0000	52.49
87 4-Chlorophenyl-phenylether	204	9.732	9.732	(1.075)	603890	50.0000	55.24
88 Fluorene	166	9.711	9.711	(1.073)	1162171	50.0000	53.75
89 4-Nitroaniline	138	9.759	9.759	(1.078)	229494	50.0000	49.06
96 2,3,4,6-Tetrachlorophenol	232	9.465	9.465	(1.045)	365735	50.0000	60.61
* 102 Phenanthrene-d10	188	10.834	10.834	(1.000)	1130800	40.0000	
103 1,2-Diphenylhydrazine	77	9.924	9.924	(0.916)	1120963	50.0000	48.31
104 Carbazole	167	11.135	11.135	(1.028)	1277100	50.0000	46.46
105 4,6-Dinitro-2-methylphenol	198	9.800	9.800	(0.905)	216953	50.0000	48.09
106 N-Nitrosodiphenylamine	169	9.883	9.883	(0.912)	872957	50.0000	46.20
$ 107 2,4,6-Tribromophenol	330	10.006	10.006	(0.924)	454991	100.000	104.8(A)
108 4-Bromophenyl-phenylether	248	10.320	10.320	(0.952)	359458	50.0000	51.20
109 Hexachlorobenzene	284	10.382	10.382	(0.958)	416404	50.0000	50.21
110 Pentachlorophenol	266	10.622	10.622	(0.980)	240750	50.0000	49.18
111 Phenanthrene	178	10.861	10.861	(1.002)	1459553	50.0000	47.82
112 Anthracene	178	10.923	10.923	(1.008)	1520277	50.0000	50.64
115 Di-n-butylphthalate	149	11.614	11.614	(1.072)	2104882	50.0000	54.62
116 Fluoranthene	202	12.296	12.296	(1.135)	1624161	50.0000	52.14
* 132 Chrysene-d12	240	14.027	14.027	(1.000)	974343	40.0000	
134 Pyrene	202	12.562	12.562	(0.896)	1580817	50.0000	48.22
$ 135 Terphenyl-d14	244	12.793	12.793	(0.912)	1069049	50.0000	50.65
136 Butylbenzylphthalate	149	13.413	13.413	(0.956)	837353	50.0000	55.01

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL7.D
Report Date: 22-Dec-2010 13:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
138 Benzo(a)anthracene	228	14.013	14.013	(0.999)	1343703	50.0000	49.30
139 Chrysene	228	14.054	14.054	(1.002)	1396261	50.0000	48.92
140 Bis(2-ethylhexyl)phthalate	149	14.136	14.136	(1.008)	1029419	50.0000	53.95
* 154 Perylene-d12	264	15.692	15.692	(1.000)	830523	40.0000	
155 Di-n-octylphthalate	149	14.901	14.901	(0.950)	1512580	50.0000	51.98
156 Benzo(b)fluoranthene	252	15.269	15.269	(0.973)	1223644	50.0000	53.78
157 Benzo(k)fluoranthene	252	15.303	15.303	(0.975)	1331986	50.0000	51.00
158 Benzo(a)pyrene	252	15.631	15.631	(0.996)	1158411	50.0000	55.52
159 Indeno(1,2,3-cd)pyrene	276	16.824	16.824	(1.072)	892525	50.0000	51.02
160 Dibenz(a,h)anthracene	278	16.844	16.844	(1.073)	709972	50.0000	46.99
161 Benzo(g,h,i)perylene	276	17.106	17.106	(1.090)	764361	50.0000	48.73

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\ELABNSHO5\TARGET\chem\bnai.i\121810B1.b\SEQ-CAL7.D
Date : 18-DEC-2010 21:12
Client ID: SEQ-CAL7
Sample Info: CAL50PPM;;;;;;10L0226
Column phase: fused silica
Instrument: bnai.i
Operator: MEC
Column diameter: 0.25
\\ELABNSHO5\TARGET\chem\bnai.i\121810B1.b\SEQ-CAL7.D
Y (x10^6)
Min
-2-Fluorophenol
Phenol-d6+
-1,4-Dichlorobenzene-d4+
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL8.D
Report Date: 22-Dec-2010 13:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL8.D
Lab Smp Id: SEQ-CAL8 Client Smp ID: SEQ-CAL8
Inj Date : 18-DEC-2010 21:40 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL60PPM;;;;;;10L0227
Misc Info : ;1;;;8;;cal_1.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:23 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 9 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_1.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.464	5.464	(1.000)	483008	40.0000	
$ 2 2-Fluorophenol	112	4.001	4.001	(0.732)	1860472	120.000	121.5(A)
$ 3 Phenol-d6	99	5.109	5.109	(0.935)	1986394	120.000	111.9(A)
4 Pyridine	79	2.405	2.405	(0.440)	1171729	60.0000	64.83
6 N-Nitroso-di-methylamine	42	2.405	2.405	(0.440)	427295	60.0000	65.47
7 Aniline	93	5.095	5.095	(0.933)	1227329	60.0000	56.02
10 Phenol	94	5.123	5.123	(0.938)	1132873	60.0000	55.26
11 bis(2-Chloroethyl)ether	93	5.198	5.198	(0.951)	855785	60.0000	55.06
12 2-Chlorophenol	128	5.225	5.225	(0.956)	977862	60.0000	58.91
13 1,3-Dichlorobenzene	146	5.396	5.396	(0.987)	1078030	60.0000	59.34
14 1,4-Dichlorobenzene	146	5.485	5.485	(1.004)	1042364	60.0000	58.35
15 Benzyl alcohol	108	5.648	5.648	(1.034)	551325	60.0000	61.58
16 1,2-Dichlorobenzene	146	5.655	5.655	(1.035)	994043	60.0000	58.27
17 2-Methylphenol	108	5.799	5.799	(1.061)	782541	60.0000	59.40
18 2,2'-Oxybis-1-chloropropane	45	5.812	5.812	(1.064)	1441956	60.0000	58.46
19 3-Methylphenol	108	5.990	5.990	(1.096)	808735	60.0000	61.74
20 4-Methylphenol	108	5.990	5.990	(1.096)	808735	60.0000	61.74
21 N-Nitroso-di-n-propylamine	70	5.969	5.969	(1.092)	630768	60.0000	63.58
22 Hexachloroethane	117	6.045	6.045	(1.106)	406064	60.0000	58.51
* 33 Naphthalene-d8	136	6.946	6.946	(1.000)	1562937	40.0000	
$ 34 Nitrobenzene-d5	82	6.113	6.113	(0.880)	809547	60.0000	61.32
35 Nitrobenzene	77	6.134	6.134	(0.883)	768583	60.0000	56.64
39 Isophorone	82	6.427	6.427	(0.925)	1575479	60.0000	57.36
40 2-Nitrophenol	139	6.509	6.509	(0.937)	526666	60.0000	64.71
42 2,4-Dimethylphenol	107	6.605	6.605	(0.951)	693052	60.0000	57.19
43 Benzoic acid	105	6.803	6.803	(0.979)	392906	60.0000	58.86

12/22
GLQ
12/29/10

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL8.D
Report Date: 22-Dec-2010 13:23

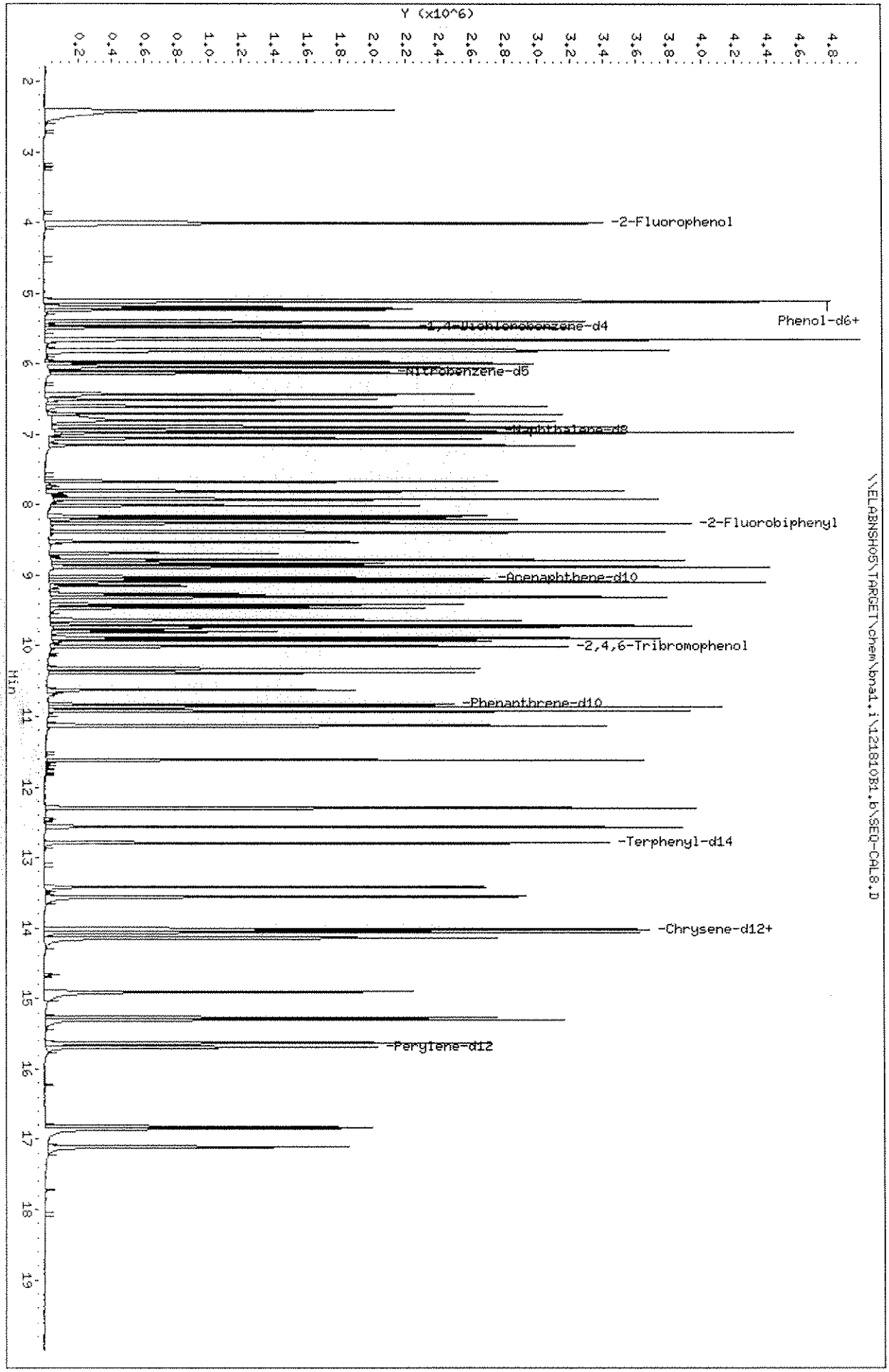
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
	44 bis(2-Chloroethoxy)methane	93	6.707	6.707	(0.966)	1022342	60.0000	56.64
	47 2,4-Dichlorophenol	162	6.803	6.803	(0.979)	714868	60.0000	59.43
	50 1,2,4-Trichlorobenzene	180	6.891	6.891	(0.992)	818604	60.0000	55.31
	51 Naphthalene	128	6.974	6.974	(1.004)	2225001	60.0000	58.79
	52 4-Chloroaniline	127	7.063	7.063	(1.017)	1008201	60.0000	56.07
	53 Hexachlorobutadiene	225	7.152	7.152	(1.030)	441841	60.0000	56.38
	54 4-Chloro-3-methylphenol	107	7.671	7.671	(1.104)	580887	60.0000	60.51
	55 2-Methylnaphthalene	141	7.808	7.808	(1.124)	1051623	60.0000	50.86
	56 1-Methylnaphthalene	141	7.918	7.918	(1.140)	1098042	60.0000	51.84
*	69 Acenaphthene-d10	164	9.057	9.057	(1.000)	764577	40.0000	
	70 Hexachlorocyclopentadiene	237	8.013	8.013	(0.885)	409372	60.0000	59.59
	71 2,4,6-Trichlorophenol	196	8.157	8.157	(0.901)	473565	60.0000	62.96
	72 2,4,5-Trichlorophenol	196	8.199	8.199	(0.905)	523350	60.0000	63.96
	73 2-Chloronaphthalene	162	8.384	8.384	(0.926)	1268240	60.0000	54.58
$	74 2-Fluorobiphenyl	172	8.267	8.267	(0.913)	1400116	60.0000	54.83
	75 2-Nitroaniline	65	8.528	8.528	(0.942)	367458	60.0000	64.44
	76 Dimethylphthalate	163	8.782	8.782	(0.970)	1449549	60.0000	58.91
	77 Acenaphthylene	152	8.878	8.878	(0.980)	2044374	60.0000	56.56
	78 2,6-Dinitrotoluene	165	8.837	8.837	(0.976)	423960	60.0000	64.76
	79 3-Nitroaniline	138	9.029	9.029	(0.997)	447705	60.0000	61.78
	80 Acenaphthene	153	9.091	9.091	(1.004)	1231126	60.0000	55.61
	81 2,4-Dinitrophenol	184	9.152	9.152	(1.011)	190807	60.0000	61.58
	83 4-Nitrophenol	65	9.269	9.269	(1.023)	204865	60.0000	58.21
	84 Dibenzofuran	168	9.303	9.303	(1.027)	1594009	60.0000	52.46
	85 2,4-Dinitrotoluene	165	9.310	9.310	(1.028)	438232	60.0000	57.11
	86 Diethylphthalate	149	9.639	9.639	(1.064)	1519788	60.0000	59.28
	87 4-Chlorophenyl-phenylether	204	9.736	9.736	(1.075)	690323	60.0000	56.27
	88 Fluorene	166	9.715	9.715	(1.073)	1361846	60.0000	56.13
	89 4-Nitroaniline	138	9.763	9.763	(1.078)	320648	60.0000	61.08
	96 2,3,4,6-Tetrachlorophenol	232	9.467	9.467	(1.045)	398730	60.0000	58.88
*	102 Phenanthrene-d10	188	10.829	10.829	(1.000)	1181788	40.0000	
	103 1,2-Diphenylhydrazine	77	9.928	9.928	(0.917)	1335144	60.0000	55.06
	104 Carbazole	167	11.132	11.132	(1.028)	1745889	60.0000	60.77
	105 4,6-Dinitro-2-methylphenol	198	9.804	9.804	(0.905)	282881	60.0000	57.74
	106 N-Nitrosodiphenylamine	169	9.887	9.887	(0.913)	1137121	60.0000	57.59
$	107 2,4,6-Tribromophenol	330	10.009	10.009	(0.924)	594891	120.000	131.1(A)
	108 4-Bromophenyl-phenylether	248	10.318	10.318	(0.953)	427698	60.0000	58.30
	109 Hexachlorobenzene	284	10.386	10.386	(0.959)	488512	60.0000	56.36
	110 Pentachlorophenol	266	10.626	10.626	(0.981)	301078	60.0000	57.71
	111 Phenanthrene	178	10.864	10.864	(1.003)	1807055	60.0000	56.65
	112 Anthracene	178	10.925	10.925	(1.009)	1777311	60.0000	56.65
	115 Di-n-butylphthalate	149	11.618	11.618	(1.073)	2321674	60.0000	57.64
	116 Fluoranthene	202	12.294	12.294	(1.135)	1850032	60.0000	56.82
*	132 Chrysene-d12	240	14.027	14.027	(1.000)	980078	40.0000	
	134 Pyrene	202	12.561	12.561	(0.895)	1790290	60.0000	54.28
$	135 Terphenyl-d14	244	12.792	12.792	(0.912)	1304750	60.0000	61.45
	136 Butylbenzylphthalate	149	13.419	13.419	(0.957)	954175	60.0000	62.31

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL8.D
Report Date: 22-Dec-2010 13:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
138 Benzo(a)anthracene	228	14.013	14.013	(0.999)	1622113	60.0000	59.17
139 Chrysene	228	14.061	14.061	(1.002)	1617555	60.0000	56.34
140 Bis(2-ethylhexyl)phthalate	149	14.136	14.136	(1.008)	1168928	60.0000	60.90
* 154 Perylene-d12	264	15.692	15.692	(1.000)	913407	40.0000	
155 Di-n-octylphthalate	149	14.901	14.901	(0.950)	2003324	60.0000	61.88
156 Benzo(b)fluoranthene	252	15.270	15.270	(0.973)	1454009	60.0000	58.10
157 Benzo(k)fluoranthene	252	15.304	15.304	(0.975)	1709635	60.0000	59.52
158 Benzo(a)pyrene	252	15.632	15.632	(0.996)	1442702	60.0000	62.87
159 Indeno(1,2,3-cd)pyrene	276	16.825	16.825	(1.072)	1203020	60.0000	62.54
160 Dibenz(a,h)anthracene	278	16.845	16.845	(1.073)	1013149	60.0000	59.95
161 Benzo(g,h,i)perylene	276	17.113	17.113	(1.091)	1115636	60.0000	64.67

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL8.D
Date : 18-DEC-2010 21:40
Client ID: SEQ-CAL8
Sample Info: CAL60PPM;;;;;;10L0227
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
\\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL8.D
Y (x10^6)
Min
-2-Fluorophenol
Phenol-d6+
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL9.D
Report Date: 22-Dec-2010 13:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL9.D
Lab Smp Id: SEQ-CAL9 Client Smp ID: SEQ-CAL9
Inj Date : 18-DEC-2010 22:08 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL80PPM;;;;;;10L0228
Misc Info : ;1;;;9;;cal_1.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:23 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 10 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_1.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.466	5.466	(1.000)	516416	40.0000	
$ 2 2-Fluorophenol	112	4.009	4.009	(0.734)	2525426	160.000	154.2(A)
$ 3 Phenol-d6	99	5.117	5.117	(0.936)	2785344	160.000	146.8(A)
4 Pyridine	79	2.406	2.406	(0.440)	1684058	80.0000	87.15
6 N-Nitroso-di-methylamine	42	2.412	2.412	(0.441)	587289	80.0000	84.17
7 Aniline	93	5.104	5.104	(0.934)	1758422	80.0000	75.06
10 Phenol	94	5.131	5.131	(0.939)	1602308	80.0000	73.10
11 bis(2-Chloroethyl)ether	93	5.199	5.199	(0.951)	1245766	80.0000	74.97
12 2-Chlorophenol	128	5.227	5.227	(0.956)	1287512	80.0000	72.54
13 1,3-Dichlorobenzene	146	5.397	5.397	(0.987)	1469203	80.0000	75.64
14 1,4-Dichlorobenzene	146	5.486	5.486	(1.004)	1399981	80.0000	73.30
15 Benzyl alcohol	108	5.657	5.657	(1.035)	714778	80.0000	74.67
16 1,2-Dichlorobenzene	146	5.657	5.657	(1.035)	1293934	80.0000	70.94
17 2-Methylphenol	108	5.801	5.801	(1.061)	1082816	80.0000	76.87
18 2,2'-Oxybis-1-chloropropane	45	5.814	5.814	(1.064)	1985007	80.0000	75.28
19 3-Methylphenol	108	5.999	5.999	(1.098)	1121570	80.0000	80.09
20 4-Methylphenol	108	5.999	5.999	(1.098)	1121570	80.0000	80.09
21 N-Nitroso-di-n-propylamine	70	5.978	5.978	(1.094)	895826	80.0000	84.45
22 Hexachloroethane	117	6.047	6.047	(1.106)	548088	80.0000	73.86
* 33 Naphthalene-d8	136	6.951	6.951	(1.000)	1535912	40.0000	
$ 34 Nitrobenzene-d5	82	6.115	6.115	(0.880)	1104890	80.0000	85.17
35 Nitrobenzene	77	6.136	6.136	(0.883)	1091987	80.0000	81.89
39 Isophorone	82	6.436	6.436	(0.926)	2255319	80.0000	83.56
40 2-Nitrophenol	139	6.512	6.512	(0.937)	753148	80.0000	94.16
42 2,4-Dimethylphenol	107	6.608	6.608	(0.951)	984547	80.0000	82.68
43 Benzoic acid	105	6.834	6.834	(0.983)	682741	80.0000	85.42

12/22
GLQ
12/29/10

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL9.D
Report Date: 22-Dec-2010 13:23

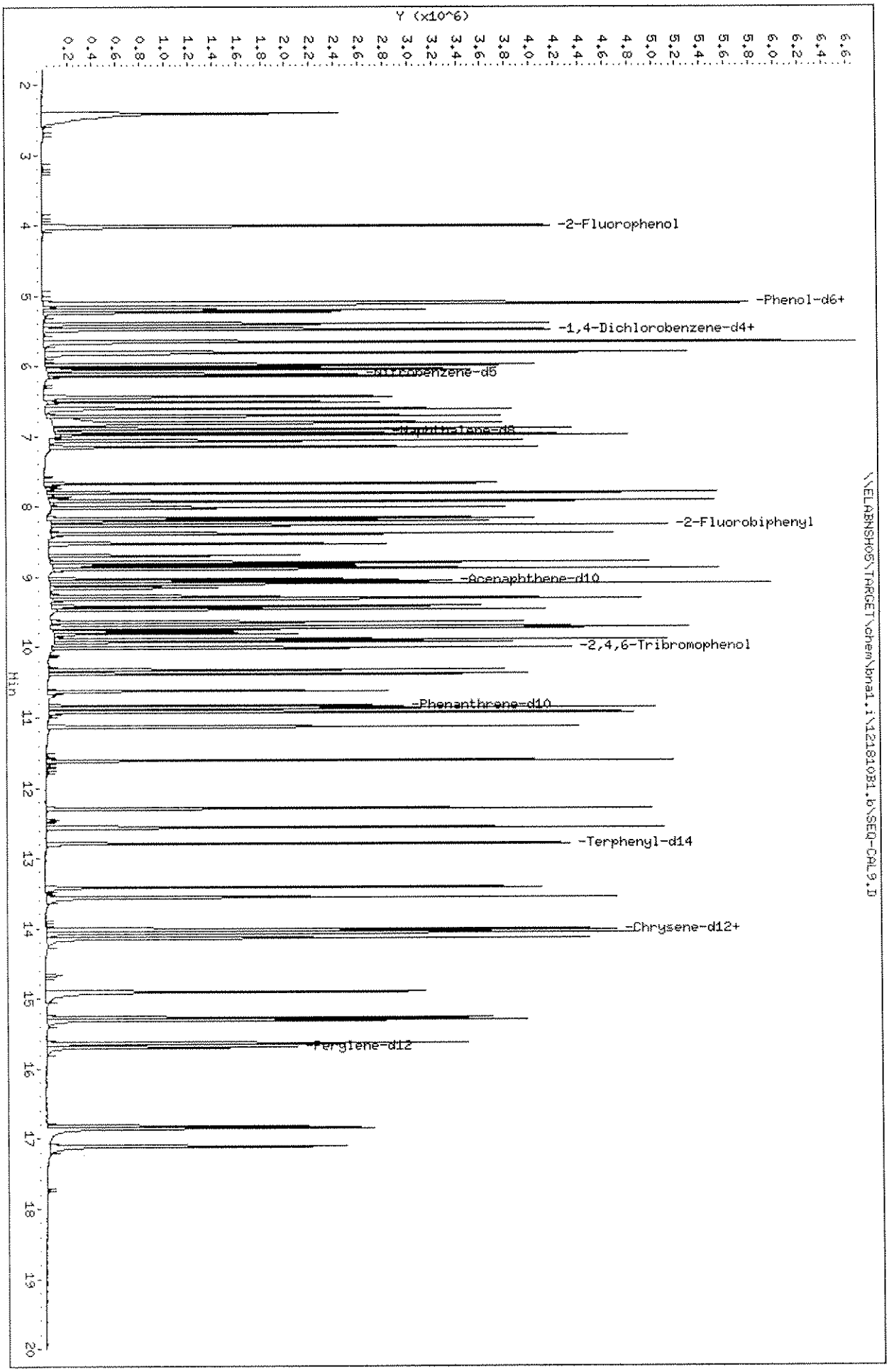
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
	44 bis(2-Chloroethoxy)methane	93	6.710	6.710	(0.965)	1378619	80.0000	77.72
	47 2,4-Dichlorophenol	162	6.806	6.806	(0.979)	983714	80.0000	83.21
	50 1,2,4-Trichlorobenzene	180	6.896	6.896	(0.992)	1110974	80.0000	76.38
	51 Naphthalene	128	6.978	6.978	(1.004)	2449015	80.0000	65.84
	52 4-Chloroaniline	127	7.061	7.061	(1.016)	1479283	80.0000	83.72
	53 Hexachlorobutadiene	225	7.150	7.150	(1.029)	572224	80.0000	74.31
	54 4-Chloro-3-methylphenol	107	7.670	7.670	(1.104)	849435	80.0000	90.04
	55 2-Methylnaphthalene	141	7.807	7.807	(1.123)	1616695	80.0000	79.57
	56 1-Methylnaphthalene	141	7.924	7.924	(1.140)	1582750	80.0000	76.04
*	69 Acenaphthene-d10	164	9.056	9.056	(1.000)	879804	40.0000	
	70 Hexachlorocyclopentadiene	237	8.012	8.012	(0.885)	693740	80.0000	87.76
	71 2,4,6-Trichlorophenol	196	8.164	8.164	(0.901)	686839	80.0000	79.35
	72 2,4,5-Trichlorophenol	196	8.205	8.205	(0.906)	713234	80.0000	75.76
	73 2-Chloronaphthalene	162	8.390	8.390	(0.926)	1809990	80.0000	67.70
$	74 2-Fluorobiphenyl	172	8.267	8.267	(0.913)	1838614	80.0000	62.57
	75 2-Nitroaniline	65	8.527	8.527	(0.942)	561857	80.0000	85.63
	76 Dimethylphthalate	163	8.795	8.795	(0.971)	1895909	80.0000	66.96
	77 Acenaphthylene	152	8.884	8.884	(0.981)	2759086	80.0000	66.33
	78 2,6-Dinitrotoluene	165	8.843	8.843	(0.976)	588845	80.0000	78.17
	79 3-Nitroaniline	138	9.036	9.036	(0.998)	698189	80.0000	83.72
	80 Acenaphthene	153	9.098	9.098	(1.005)	1682808	80.0000	66.06
	81 2,4-Dinitrophenol	184	9.160	9.160	(1.011)	319601	80.0000	80.82
	83 4-Nitrophenol	65	9.277	9.277	(1.024)	319860	80.0000	77.28
	84 Dibenzofuran	168	9.303	9.303	(1.027)	2378350	80.0000	68.02
	85 2,4-Dinitrotoluene	165	9.324	9.324	(1.030)	690004	80.0000	77.79
	86 Diethylphthalate	149	9.640	9.640	(1.064)	2151549	80.0000	72.92
	87 4-Chlorophenyl-phenylether	204	9.736	9.736	(1.075)	1020359	80.0000	72.28
	88 Fluorene	166	9.716	9.716	(1.073)	1929993	80.0000	69.12
	89 4-Nitroaniline	138	9.777	9.777	(1.080)	564736	80.0000	93.49
	96 2,3,4,6-Tetrachlorophenol	232	9.468	9.468	(1.045)	649492	80.0000	83.35
*	102 Phenanthrene-d10	188	10.836	10.836	(1.000)	1391339	40.0000	
	103 1,2-Diphenylhydrazine	77	9.928	9.928	(0.916)	2036298	80.0000	71.32
	104 Carbazole	167	11.136	11.136	(1.028)	2344710	80.0000	69.32
	105 4,6-Dinitro-2-methylphenol	198	9.818	9.818	(0.906)	496555	80.0000	81.61
	106 N-Nitrosodiphenylamine	169	9.893	9.893	(0.913)	1721293	80.0000	74.04
$	107 2,4,6-Tribromophenol	330	10.016	10.016	(0.924)	779427	160.000	145.9(A)
	108 4-Bromophenyl-phenylether	248	10.325	10.325	(0.953)	660998	80.0000	76.52
	109 Hexachlorobenzene	284	10.385	10.385	(0.958)	723372	80.0000	70.89
	110 Pentachlorophenol	266	10.632	10.632	(0.981)	511397	80.0000	80.70
	111 Phenanthrene	178	10.870	10.870	(1.003)	2495564	80.0000	66.46
	112 Anthracene	178	10.931	10.931	(1.009)	2401326	80.0000	65.01
	115 Di-n-butylphthalate	149	11.616	11.616	(1.072)	3560874	80.0000	75.10
	116 Fluoranthene	202	12.300	12.300	(1.135)	2618941	80.0000	68.32
*	132 Chrysene-d12	240	14.034	14.034	(1.000)	1108365	40.0000	
	134 Pyrene	202	12.568	12.568	(0.896)	2614543	80.0000	70.10
$	135 Terphenyl-d14	244	12.798	12.798	(0.912)	1816851	80.0000	75.67
	136 Butylbenzylphthalate	149	13.419	13.419	(0.956)	1434148	80.0000	82.82

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL9.D
Report Date: 22-Dec-2010 13:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
138 Benzo(a)anthracene	228	14.021	14.021	(0.999)	2389102	80.0000	77.06
139 Chrysene	228	14.067	14.067	(1.002)	2274171	80.0000	70.04
140 Bis(2-ethylhexyl)phthalate	149	14.141	14.141	(1.008)	1825007	80.0000	84.08
* 154 Perylene-d12	264	15.699	15.699	(1.000)	974366	40.0000	
155 Di-n-octylphthalate	149	14.901	14.901	(0.949)	2792532	80.0000	79.81
156 Benzo(b)fluoranthene	252	15.271	15.271	(0.973)	2191536	80.0000	82.09
157 Benzo(k)fluoranthene	252	15.311	15.311	(0.975)	2256246	80.0000	73.63
158 Benzo(a)pyrene	252	15.639	15.639	(0.996)	2012534	80.0000	82.21
159 Indeno(1,2,3-cd)pyrene	276	16.827	16.827	(1.072)	1774519	80.0000	86.47
160 Dibenz(a,h)anthracene	278	16.855	16.855	(1.074)	1424279	80.0000	77.92
161 Benzo(g,h,i)perylene	276	17.116	17.116	(1.090)	1544442	80.0000	83.92

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\ELABNSH05\TARGET\chem\bna1.i\12181081.b\SEQ-CAL9.D
Date : 18-DEC-2010 22:08
Client ID: SEQ-CAL9
Sample Info: CAL80PPM;;;;;;10L0228
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
\\ELABNSH05\TARGET\chem\bna1.i\12181081.b\SEQ-CAL9.D
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6+
-1,4-Dichlorobenzene-d4+
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALA.D
Report Date: 22-Dec-2010 13:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALA.D
Lab Smp Id: SEQ-CALA Client Smp ID: SEQ-CALA
Inj Date : 18-DEC-2010 22:36 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL100PPM;;;;;;10L0229
Misc Info : ;1;;;10;;cal_1.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:23 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 11 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_1.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.459	5.459	(1.000)	539748	40.0000	
$ 2 2-Fluorophenol	112	4.003	4.003	(0.733)	3032367	200.000	177.2(A)
$ 3 Phenol-d6	99	5.118	5.118	(0.938)	3273418	200.000	165.0(A)
4 Pyridine	79	2.399	2.399	(0.439)	2017700	100.000	99.90
6 N-Nitroso-di-methylamine	42	2.405	2.405	(0.441)	717603	100.000	98.40
7 Aniline	93	5.105	5.105	(0.935)	2074949	100.000	84.75
10 Phenol	94	5.132	5.132	(0.940)	1952295	100.000	85.22
11 bis(2-Chloroethyl)ether	93	5.200	5.200	(0.952)	1562257	100.000	89.95
12 2-Chlorophenol	128	5.227	5.227	(0.957)	1728981	100.000	93.20
13 1,3-Dichlorobenzene	146	5.398	5.398	(0.989)	1712392	100.000	84.35
14 1,4-Dichlorobenzene	146	5.487	5.487	(1.005)	1726063	100.000	86.47
15 Benzyl alcohol	108	5.658	5.658	(1.036)	881283	100.000	88.08
16 1,2-Dichlorobenzene	146	5.658	5.658	(1.036)	1485155	100.000	77.90
17 2-Methylphenol	108	5.801	5.801	(1.063)	1239437	100.000	84.18
18 2,2'-Oxybis-1-chloropropane	45	5.822	5.822	(1.066)	2252322	100.000	81.72
19 3-Methylphenol	108	5.999	5.999	(1.099)	1271199	100.000	86.85
20 4-Methylphenol	108	5.999	5.999	(1.099)	1271199	100.000	86.85
21 N-Nitroso-di-n-propylamine	70	5.979	5.979	(1.095)	976882	100.000	88.11
22 Hexachloroethane	117	6.047	6.047	(1.108)	665855	100.000	85.86
* 33 Naphthalene-d8	136	6.950	6.950	(1.000)	1580681	40.0000	
$ 34 Nitrobenzene-d5	82	6.115	6.115	(0.880)	1377959	100.000	103.2(A)
35 Nitrobenzene	77	6.143	6.143	(0.884)	1295551	100.000	94.40
39 Isophorone	82	6.437	6.437	(0.926)	2644934	100.000	95.22
40 2-Nitrophenol	139	6.511	6.511	(0.937)	914958	100.000	111.2(A)
42 2,4-Dimethylphenol	107	6.614	6.614	(0.952)	1217492	100.000	99.34
43 Benzoic acid	105	6.847	6.847	(0.985)	881545	100.000	97.02

12/22 L
GLQ
12/29/10

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALA.D
Report Date: 22-Dec-2010 13:23

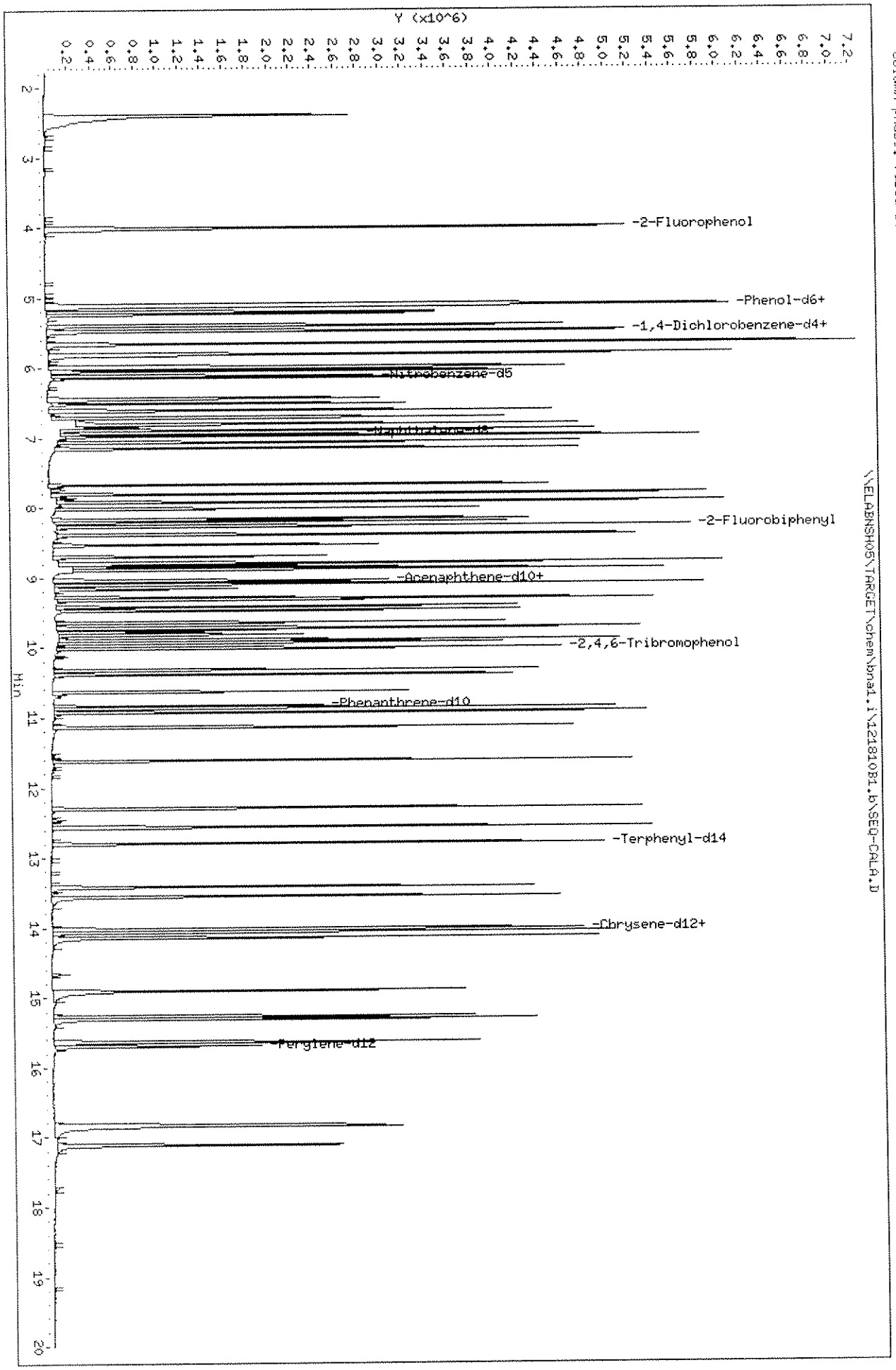
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
44 bis(2-Chloroethoxy)methane	93	6.717	6.717	(0.966)	1614307	100.000	88.43
47 2,4-Dichlorophenol	162	6.813	6.813	(0.980)	1233051	100.000	101.4(A)
50 1,2,4-Trichlorobenzene	180	6.895	6.895	(0.992)	1289125	100.000	86.12
51 Naphthalene	128	6.978	6.978	(1.004)	3149197	100.000	82.27
52 4-Chloroaniline	127	7.067	7.067	(1.017)	1728007	100.000	95.03
53 Hexachlorobutadiene	225	7.157	7.157	(1.030)	755130	100.000	95.28
54 4-Chloro-3-methylphenol	107	7.676	7.676	(1.104)	981621	100.000	101.1(A)
55 2-Methylnaphthalene	141	7.806	7.806	(1.123)	1809017	100.000	86.51
56 1-Methylnaphthalene	141	7.923	7.923	(1.140)	1857750	100.000	86.72
* 69 Acenaphthene-d10	164	9.058	9.058	(1.000)	788597	40.0000	
70 Hexachlorocyclopentadiene	237	8.012	8.012	(0.885)	725342	100.000	102.4(A)
71 2,4,6-Trichlorophenol	196	8.164	8.164	(0.901)	777810	100.000	100.2(A)
72 2,4,5-Trichlorophenol	196	8.205	8.205	(0.906)	764700	100.000	90.62
73 2-Chloronaphthalene	162	8.391	8.391	(0.926)	2057717	100.000	85.86
$ 74 2-Fluorobiphenyl	172	8.267	8.267	(0.913)	2224422	100.000	84.46
75 2-Nitroaniline	65	8.528	8.528	(0.942)	652087	100.000	110.9(A)
76 Dimethylphthalate	163	8.797	8.797	(0.971)	2294712	100.000	90.41
77 Acenaphthylene	152	8.880	8.880	(0.980)	3163681	100.000	84.86
78 2,6-Dinitrotoluene	165	8.845	8.845	(0.976)	715499	100.000	106.0(A)
79 3-Nitroaniline	138	9.038	9.038	(0.998)	757274	100.000	101.3(A)
80 Acenaphthene	153	9.100	9.100	(1.005)	1728711	100.000	75.71
81 2,4-Dinitrophenol	184	9.162	9.162	(1.011)	386714	100.000	99.29
83 4-Nitrophenol	65	9.279	9.279	(1.024)	384072	100.000	101.9(A)
84 Dibenzofuran	168	9.306	9.306	(1.027)	2659703	100.000	84.86
85 2,4-Dinitrotoluene	165	9.327	9.327	(1.030)	801922	100.000	100.6(A)
86 Diethylphthalate	149	9.642	9.642	(1.064)	2177122	100.000	82.33
87 4-Chlorophenyl-phenylether	204	9.737	9.737	(1.075)	1036790	100.000	81.94
88 Fluorene	166	9.716	9.716	(1.073)	2038180	100.000	81.44
89 4-Nitroaniline	138	9.778	9.778	(1.079)	560504	100.000	103.5(A)
96 2,3,4,6-Tetrachlorophenol	232	9.471	9.471	(1.046)	694768	100.000	99.48
* 102 Phenanthrene-d10	188	10.832	10.832	(1.000)	1206887	40.0000	
103 1,2-Diphenylhydrazine	77	9.929	9.929	(0.917)	2127134	100.000	85.89
104 Carbazole	167	11.140	11.140	(1.028)	2530570	100.000	86.25
105 4,6-Dinitro-2-methylphenol	198	9.819	9.819	(0.907)	541780	100.000	100.3(A)
106 N-Nitrosodiphenylamine	169	9.895	9.895	(0.913)	1745929	100.000	86.58
$ 107 2,4,6-Tribromophenol	330	10.017	10.017	(0.925)	896581	200.000	193.5(A)
108 4-Bromophenyl-phenylether	248	10.322	10.322	(0.953)	706382	100.000	94.28
109 Hexachlorobenzene	284	10.390	10.390	(0.959)	791417	100.000	89.41
110 Pentachlorophenol	266	10.628	10.628	(0.981)	557532	100.000	99.94
111 Phenanthrene	178	10.866	10.866	(1.003)	2410990	100.000	74.02
112 Anthracene	178	10.928	10.928	(1.009)	2632705	100.000	82.17
115 Di-n-butylphthalate	149	11.621	11.621	(1.073)	3463364	100.000	84.20
116 Fluoranthene	202	12.301	12.301	(1.136)	2910770	100.000	87.54
* 132 Chrysene-d12	240	14.030	14.030	(1.000)	1017059	40.0000	
134 Pyrene	202	12.568	12.568	(0.896)	2869604	100.000	83.85
$ 135 Terphenyl-d14	244	12.794	12.794	(0.912)	2006839	100.000	91.09
136 Butylbenzylphthalate	149	13.421	13.421	(0.957)	1583694	100.000	99.66

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALA.D
Report Date: 22-Dec-2010 13:23

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
138 Benzo(a)anthracene	228	14.016	14.016	(0.999)	2665444	100.000	93.69
139 Chrysene	228	14.063	14.063	(1.002)	2426075	100.000	81.43
140 Bis(2-ethylhexyl)phthalate	149	14.139	14.139	(1.008)	1898629	100.000	95.33
* 154 Perylene-d12	264	15.698	15.698	(1.000)	849426	40.0000	
155 Di-n-octylphthalate	149	14.905	14.905	(0.949)	3003609	100.000	97.66
156 Benzo(b)fluoranthene	252	15.275	15.275	(0.973)	2277282	100.000	97.85
157 Benzo(k)fluoranthene	252	15.309	15.309	(0.975)	2434459	100.000	91.14
158 Benzo(a)pyrene	252	15.638	15.638	(0.996)	2177461	100.000	102.0(A)
159 Indeno(1,2,3-cd)pyrene	276	16.833	16.833	(1.072)	2021889	100.000	113.0(A)
160 Dibenz(a,h)anthracene	278	16.852	16.852	(1.074)	1651291	100.000	102.5(A)
161 Benzo(g,h,i)perylene	276	17.120	17.120	(1.091)	1724245	100.000	107.5(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: \\ELABNSHW5\TARGET\chem\bna1.i\12181081.b\SEQ-CALA.D
Date : 18-DEC-2010 22:36
Client ID: SEQ-CALA
Sample Info: CAL100PPM;;;;;;10L0229
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
\\ELABNSHW5\TARGET\chem\bna1.i\12181081.b\SEQ-CALA.D
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6+
-1,4-Dichlorobenzene-d4+
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10+
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALB.D
Report Date: 22-Dec-2010 13:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALB.D
Lab Smp Id: SEQ-CALB Client Smp ID: SEQ-CALB
Inj Date : 18-DEC-2010 23:03 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL1PPM;;;;;;10L0252
Misc Info : ;1;;;1;;cal_2.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:23 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 12 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_2.sub
Target Version: 4.04
Processing Host: TARGET09_VM

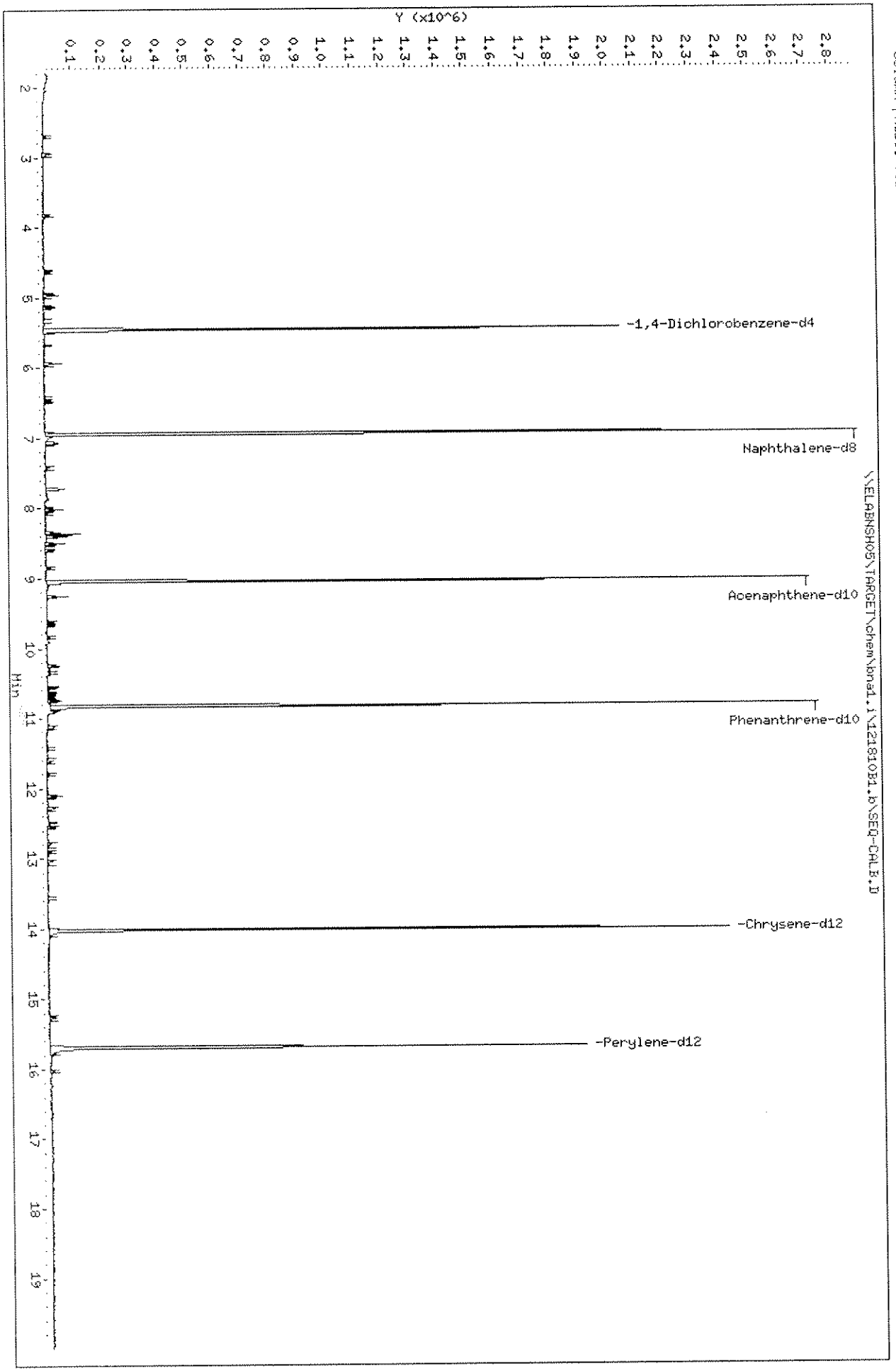
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.461	5.461	(1.000)	474808	40.0000	
5 1,4-Dioxane	88	2.039	2.039	(0.373)	6403	1.00000	0.9408(T)
32 Benzaldehyde	106	4.959	4.959	(0.908)	13794	1.00000	1.128
* 33 Naphthalene-d8	136	6.942	6.942	(1.000)	1481464	40.0000	
57 Acetophenone	105	5.937	5.937	(1.087)	19755	1.00000	1.116
* 69 Acenaphthene-d10	164	9.049	9.049	(1.000)	729497	40.0000	
100 1,1'-Biphenyl	154	8.370	8.370	(0.925)	35204	1.00000	1.310
* 102 Phenanthrene-d10	188	10.826	10.826	(1.000)	1160995	40.0000	
* 132 Chrysene-d12	240	14.018	14.018	(1.000)	988612	40.0000	
* 154 Perylene-d12	264	15.689	15.689	(1.000)	838051	40.0000	

QC Flag Legend

T - Target compound detected outside RT window.

12/22

GLQ
12/22/10


Data File: Y:\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALB.D
Date : 18-DEC-2010 23:03
Client ID: SEQ-CALB
Sample Info: CAL1PPM;;;;;;10L0252
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
Y (x10^6)
-1,4-Dichlorobenzene-d4
Naphthalene-d8
Acenaphthene-d10
Phenanthrene-d10
-Chrysene-d12
-Perylene-d12
Y:\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALB.D
Min

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALC.D
Report Date: 22-Dec-2010 13:23

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALC.D
Lab Smp Id: SEQ-CALC
Client Smp ID: SEQ-CALC
Inj Date : 18-DEC-2010 23:31
MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC
Inst ID: bna1.i
Smp Info : CAL2PPM;;;;;;10L0253
Misc Info : ;1;;;2;;cal_2.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:23 mcobb
Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03
Cal File: SEQ-CALB.D
Als bottle: 13
Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: cal_2.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.458	5.458	(1.000)	448386	40.0000	
5 1,4-Dioxane	88	2.038	2.038	(0.373)	11499	2.00000	1.789(T)
32 Benzaldehyde	106	4.956	4.956	(0.908)	25998	2.00000	2.251
* 33 Naphthalene-d8	136	6.944	6.944	(1.000)	1431590	40.0000	
62 2,6-Dichlorophenol	162	7.060	7.060	(1.017)	19787	2.00000	1.768
67 Acetophenone	105	5.934	5.934	(1.087)	36677	2.00000	2.194
68 Caprolactam	113	7.413	7.413	(1.068)	5343	2.00000	1.277
* 69 Acenaphthene-d10	164	9.048	9.048	(1.000)	683266	40.0000	
100 1,1'-Biphenyl	154	8.370	8.370	(0.925)	63413	2.00000	2.518
* 102 Phenanthrene-d10	188	10.829	10.829	(1.000)	951776	40.0000	
129 Atrazine	200	10.543	10.543	(0.974)	10323	2.00000	1.990
* 132 Chrysene-d12	240	14.018	14.018	(1.000)	872517	40.0000	
* 154 Perylene-d12	264	15.687	15.687	(1.000)	665532	40.0000	

QC Flag Legend

T - Target compound detected outside RT window.

12/22 G

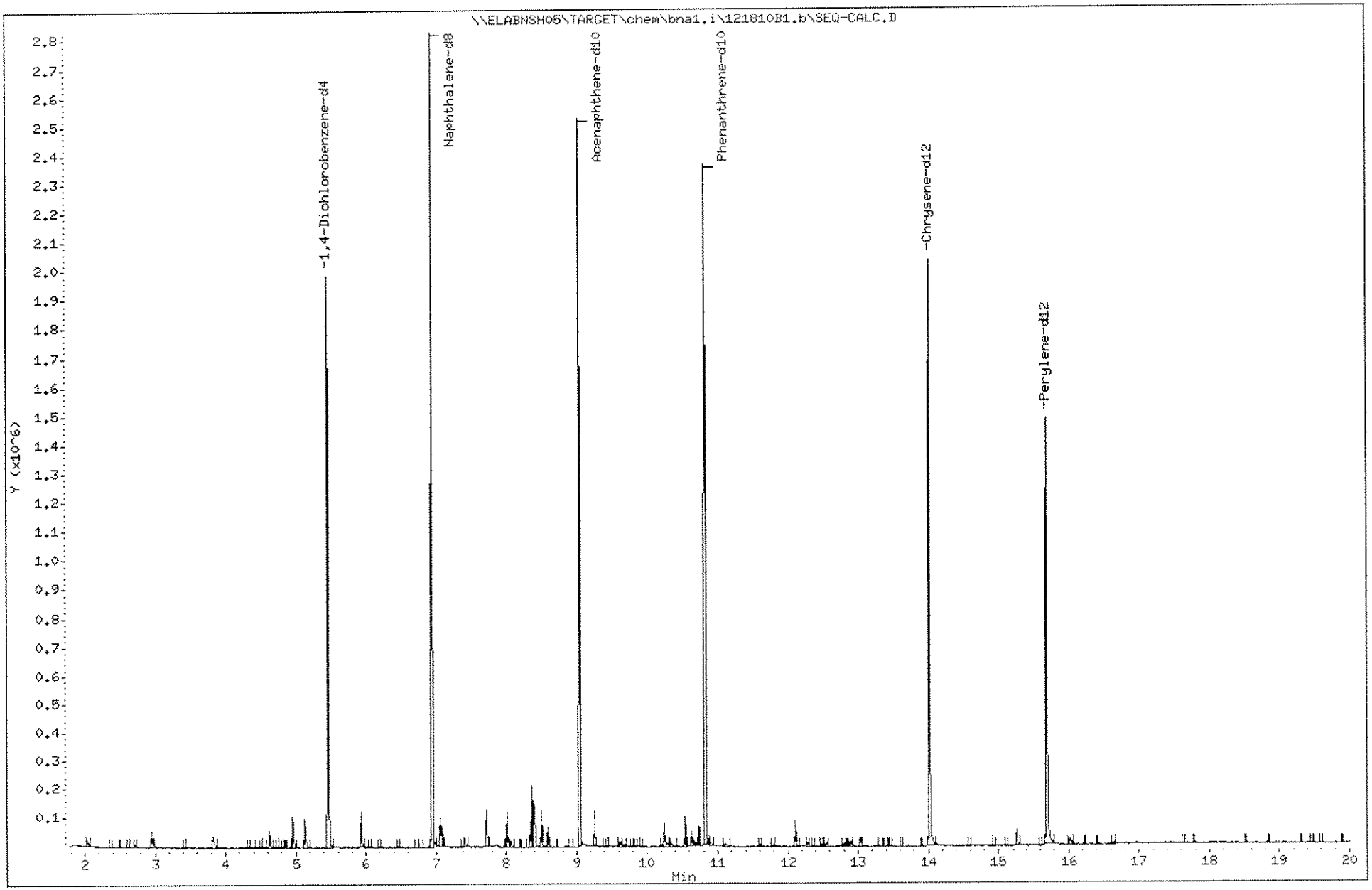
GLQ
12/29/10

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALC.D
Date : 18-DEC-2010 23:31
Client ID: SEQ-CALC
Sample Info: CAL2PPM;;;;;;10L0253

Instrument: bna1.i

Operator: MEC
Column diameter: 0.25

Column phase: fused silica



Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALD.D
Report Date: 22-Dec-2010 13:24

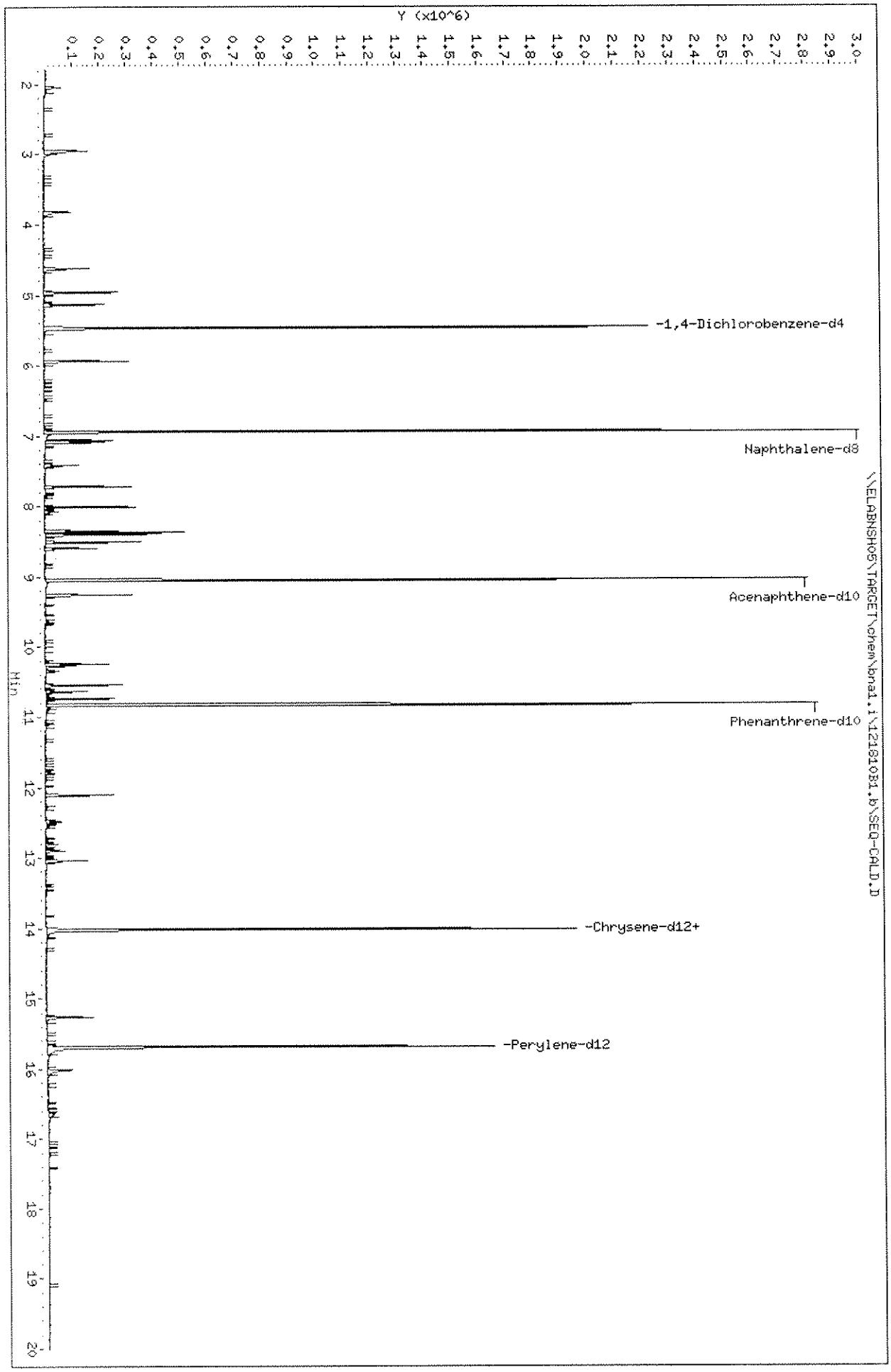
Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALD.D
Lab Smp Id: SEQ-CALD
Client Smp ID: SEQ-CALD
Inj Date : 18-DEC-2010 23:59
MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC
Inst ID: bna1.i
Smp Info : CAL5PPM;;;;;;10L0255
Misc Info : ;1;;;3;;cal_2.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:23 mcobb
Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03
Cal File: SEQ-CALB.D
Als bottle: 14
Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: cal_2.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.458	5.458	(1.000)	485476	40.0000	
5 1,4-Dioxane	88	2.038	2.038	(0.374)	33584	5.00000	4.826
32 Benzaldehyde	106	4.955	4.955	(0.908)	70828	5.00000	5.664
* 33 Naphthalene-d8	136	6.942	6.942	(1.000)	1523997	40.0000	
62 2,6-Dichlorophenol	162	7.058	7.058	(1.017)	61512	5.00000	5.163
57 Acetophenone	105	5.932	5.932	(1.087)	100510	5.00000	5.553
67 1,2,4,5-Tetrachlorobenzene	216	8.009	8.009	(1.154)	72241	5.00000	5.530
68 Caprolactam	113	7.411	7.411	(1.068)	18040	5.00000	4.050
* 69 Acenaphthene-d10	164	9.049	9.049	(1.000)	731508	40.0000	
100 1,1'-Biphenyl	154	8.369	8.369	(0.925)	158248	5.00000	5.870
* 102 Phenanthrene-d10	188	10.829	10.829	(1.000)	1169249	40.0000	
129 Atrazine	200	10.543	10.543	(0.974)	30040	5.00000	4.714
* 132 Chrysene-d12	240	14.017	14.017	(1.000)	815389	40.0000	
133 Benzidine	184	12.484	12.484	(0.891)	33673	5.00000	8.113
137 3,3'-Dichlorobenzidine	252	14.011	14.011	(1.000)	29479	5.00000	4.060
* 154 Perylene-d12	264	15.687	15.687	(1.000)	739891	40.0000	

12/22

GLQ
12/29/10


Data File: \\ELABNSHO5\TARGET\chem\bnai.i\121810B1.b\SEQ-CALD.D
Date : 18-DEC-2010 23:59
Client ID: SEQ-CALD
Sample Info: CAL5PPM;;;;;;10L0255
Column phase: fused silica
Instrument: bnai.i
Operator: MEC
Column diameter: 0.25
Y (x10^6)
-1,4-Dichlorobenzene-d4
Naphthalene-d8
Acenaphthene-d10
Phenanthrene-d10
-Chrysene-d12+
-Perylene-d12
Min
\\ELABNSHO5\TARGET\chem\bnai.i\121810B1.b\SEQ-CALD.D

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALE.D
Report Date: 22-Dec-2010 13:24

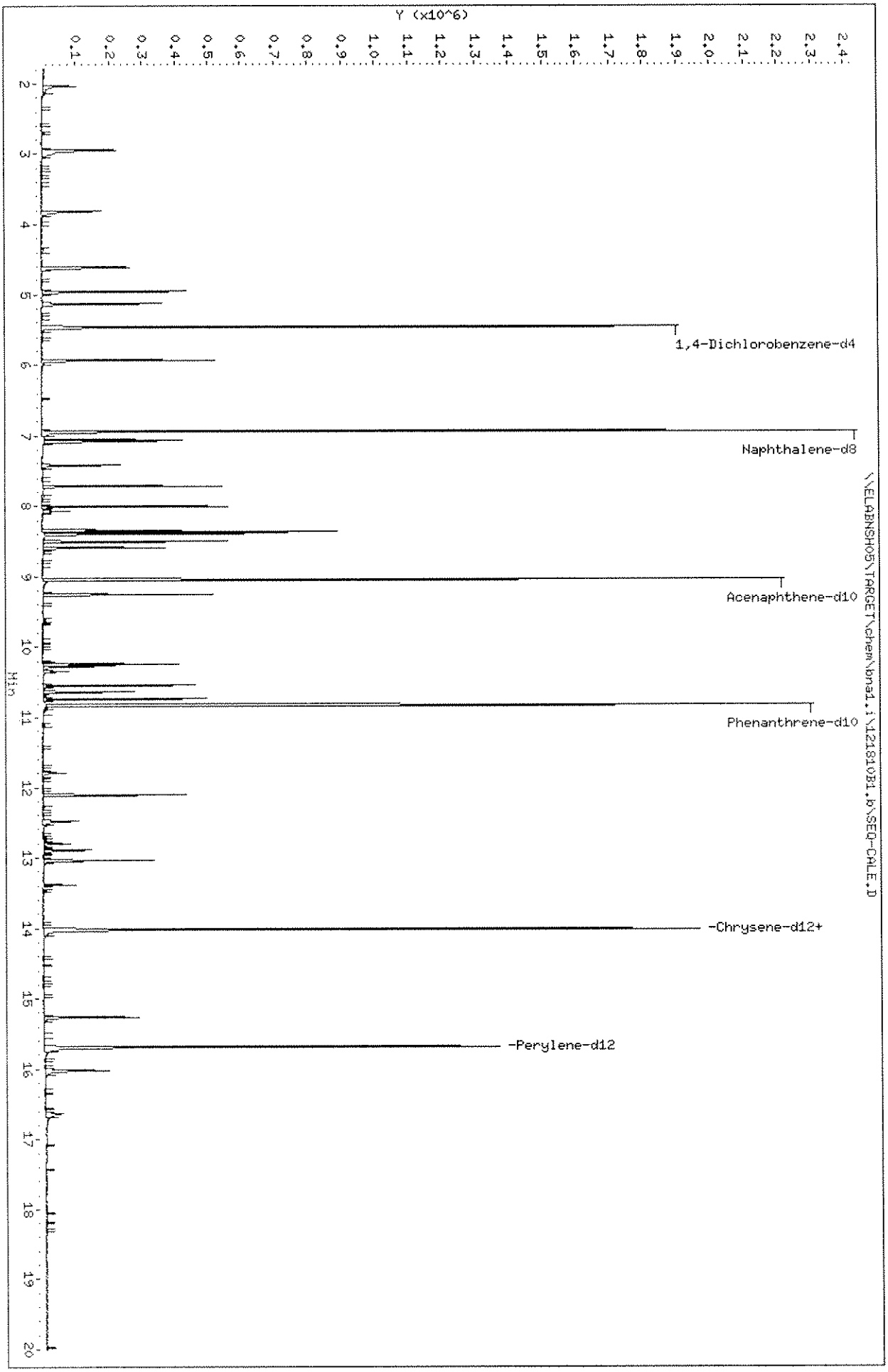
Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALE.D
Lab Smp Id: SEQ-CALE Client Smp ID: SEQ-CALE
Inj Date : 19-DEC-2010 00:26 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL10PPM;;;;;;10L0257
Misc Info : ;1;;;4;;cal_2.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:24 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 15 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_2.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.457	5.457	(1.000)	422316	40.0000	
5 1,4-Dioxane	88	2.031	2.031	(0.372)	63656	10.0000	10.52
32 Benzaldehyde	106	4.955	4.955	(0.908)	116091	10.0000	10.67
* 33 Naphthalene-d8	136	6.942	6.942	(1.000)	1226214	40.0000	
62 2,6-Dichlorophenol	162	7.058	7.058	(1.017)	105962	10.0000	11.05
57 Acetophenone	105	5.932	5.932	(1.087)	167696	10.0000	10.65
67 1,2,4,5-Tetrachlorobenzene	216	8.009	8.009	(1.154)	121441	10.0000	11.55
68 Caprolactam	113	7.418	7.418	(1.069)	33708	10.0000	9.404
* 69 Acenaphthene-d10	164	9.049	9.049	(1.000)	596836	40.0000	
100 1,1'-Biphenyl	154	8.369	8.369	(0.925)	272843	10.0000	12.40
* 102 Phenanthrene-d10	188	10.829	10.829	(1.000)	911191	40.0000	
129 Atrazine	200	10.543	10.543	(0.974)	55808	10.0000	11.24
* 132 Chrysene-d12	240	14.018	14.018	(1.000)	827775	40.0000	
133 Benzidine	184	12.484	12.484	(0.891)	65318	10.0000	10.05
137 3,3'-Dichlorobenzidine	252	14.005	14.005	(0.999)	56031	10.0000	7.602
* 154 Perylene-d12	264	15.688	15.688	(1.000)	621785	40.0000	

12/22

GLQ
12/22/10


Data File: \\ELABNSHOS\TARGET\chem\bna1.i\121810B1.b\SEQ-CALE.D
Date : 19-DEC-2010 00:26
Client ID: SEQ-CALE
Sample Info: CAL10PPM;;;;;;10L0257
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
Y (x10^6)
1,4-Dichlorobenzene-d4
Naphthalene-d8
Acenaphthene-d10
Phenanthrene-d10
-Chrysene-d12+
-Perylene-d12
Min
\\ELABNSHOS\TARGET\chem\bna1.i\121810B1.b\SEQ-CALE.D

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALF.D
Report Date: 22-Dec-2010 13:24

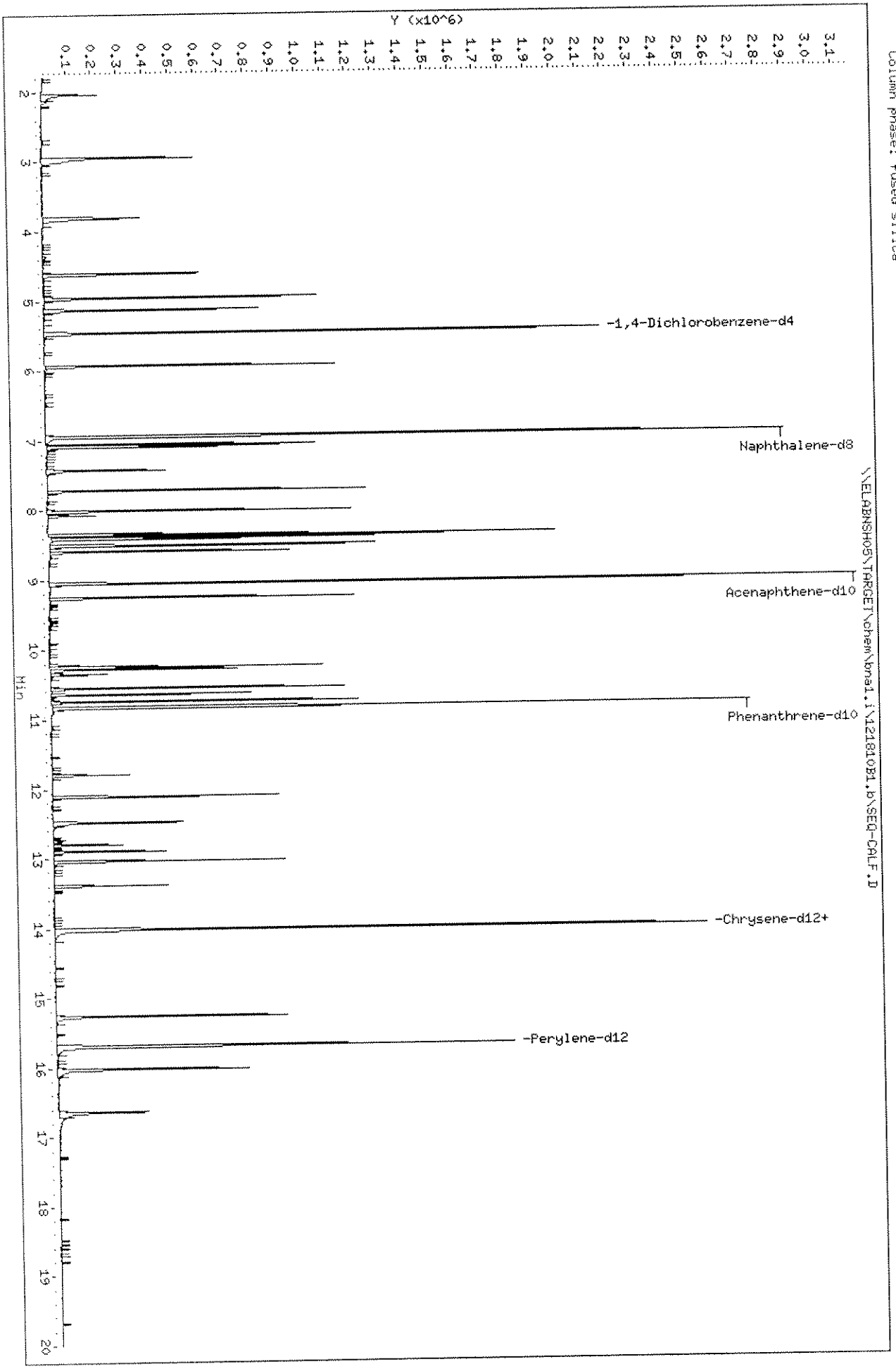
Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALF.D
Lab Smp Id: SEQ-CALF Client Smp ID: SEQ-CALF
Inj Date : 19-DEC-2010 00:54 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL20PPM;;;;;;10L0259
Misc Info : ;1;;;5;;cal_2.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:24 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 16 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_2.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.457	5.457	(1.000)	494268	40.0000	
5 1,4-Dioxane	88	2.031	2.031	(0.372)	148283	20.0000	20.93
32 Benzaldehyde	106	4.955	4.955	(0.908)	282679	20.0000	22.20
* 33 Naphthalene-d8	136	6.943	6.943	(1.000)	1460729	40.0000	
62 2,6-Dichlorophenol	162	7.059	7.059	(1.017)	249640	20.0000	21.86
57 Acetophenone	105	5.932	5.932	(1.087)	361112	20.0000	19.60
67 1,2,4,5-Tetrachlorobenzene	216	8.011	8.011	(1.154)	282001	20.0000	22.52
68 Caprolactam	113	7.426	7.426	(1.070)	84541	20.0000	19.80
* 69 Acenaphthene-d10	164	9.046	9.046	(1.000)	774130	40.0000	
100 1,1'-Biphenyl	154	8.371	8.371	(0.925)	598813	20.0000	20.99
* 102 Phenanthrene-d10	188	10.828	10.828	(1.000)	1137321	40.0000	
129 Atrazine	200	10.549	10.549	(0.974)	134935	20.0000	21.77
* 132 Chrysene-d12	240	14.020	14.020	(1.000)	1036719	40.0000	
133 Benzidine	184	12.485	12.485	(0.891)	272033	20.0000	20.10
137 3,3'-Dichlorobenzidine	252	14.007	14.007	(0.999)	190610	20.0000	20.65
* 154 Perylene-d12	264	15.692	15.692	(1.000)	849655	40.0000	

12/22 G

GLQ
12/22/10


Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALF.D
Date : 19-DEC-2010 00:54
Client ID: SEQ-CALF
Sample Info: CAL20PPM;;;;;;10L0259
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
\\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALF.D
Y (x10^6)
Min
-1,4-Dichlorobenzene-d4
Naphthalene-d8
Acenaphthene-d10
Phenanthrene-d10
-Chrysene-d12+
-Perylene-d12

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALG.D
Report Date: 22-Dec-2010 13:24

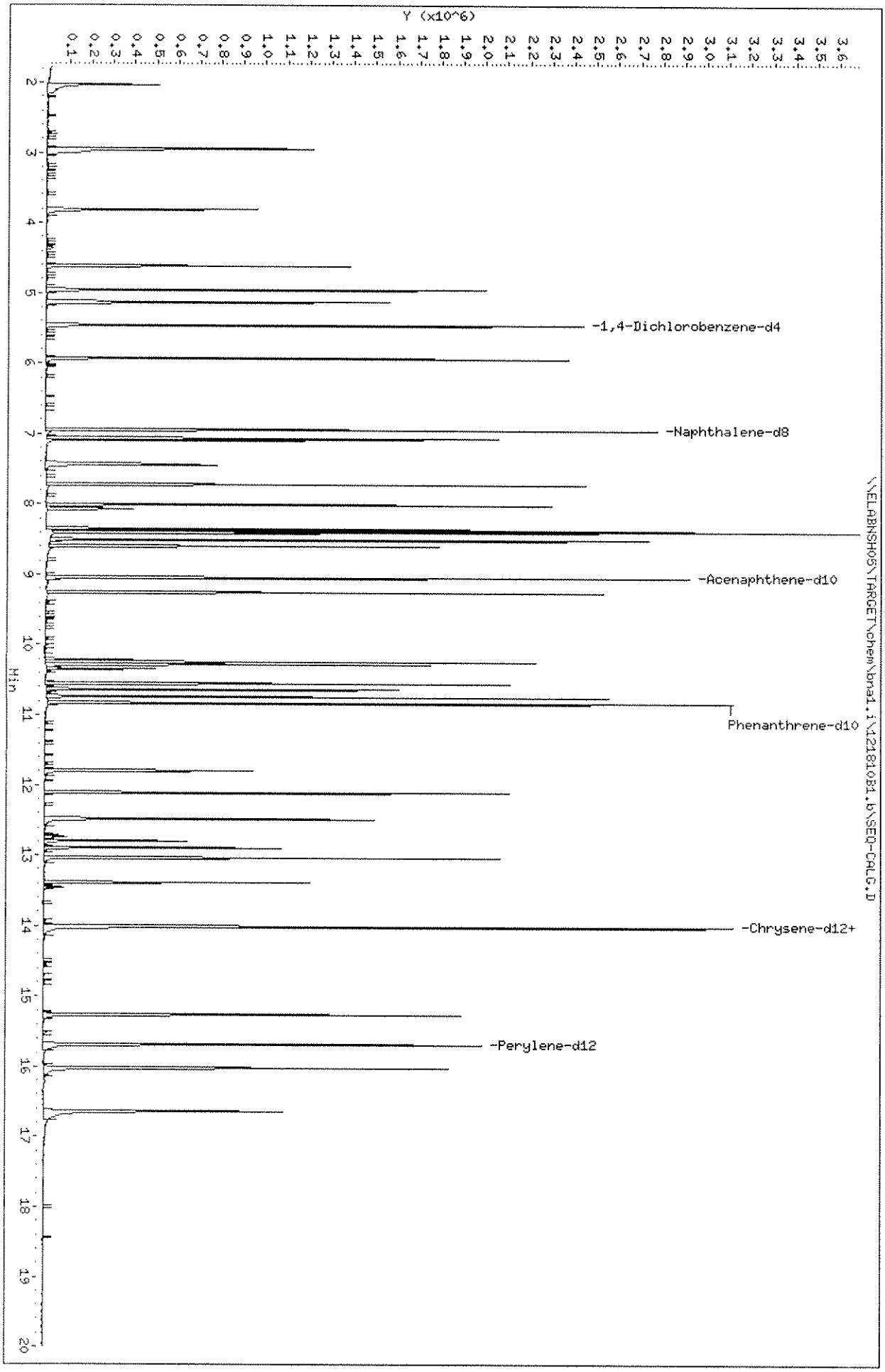
Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALG.D
Lab Smp Id: SEQ-CALG Client Smp ID: SEQ-CALG
Inj Date : 19-DEC-2010 01:21 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL40PPM;;;;;;10L0260
Misc Info : ;1;;;6;;cal_2.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:24 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 17 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_2.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.458	5.458	(1.000)	526830	40.0000	
5 1,4-Dioxane	88	2.031	2.031	(0.372)	312639	40.0000	41.40
32 Benzaldehyde	106	4.956	4.956	(0.908)	506391	40.0000	37.32
* 33 Naphthalene-d8	136	6.944	6.944	(1.000)	1487157	40.0000	
62 2,6-Dichlorophenol	162	7.060	7.060	(1.017)	474225	40.0000	40.79
57 Acetophenone	105	5.934	5.934	(1.087)	754058	40.0000	38.39
67 1,2,4,5-Tetrachlorobenzene	216	8.013	8.013	(1.154)	536004	40.0000	42.04
68 Caprolactam	113	7.448	7.448	(1.073)	191160	40.0000	43.98
* 69 Acenaphthene-d10	164	9.043	9.043	(1.000)	809181	40.0000	
100 1,1'-Biphenyl	154	8.374	8.374	(0.926)	1124126	40.0000	37.70
* 102 Phenanthrene-d10	188	10.831	10.831	(1.000)	1289453	40.0000	
129 Atrazine	200	10.556	10.556	(0.975)	279664	40.0000	39.79
* 132 Chrysene-d12	240	14.020	14.020	(1.000)	1176265	40.0000	
133 Benzidine	184	12.484	12.484	(0.890)	720247	40.0000	42.07
137 3,3'-Dichlorobenzidine	252	14.008	14.008	(0.999)	464410	40.0000	44.34
* 154 Perylene-d12	264	15.687	15.687	(1.000)	954375	40.0000	

12/22 G

GLQ
12/29/10


Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALC.D
Date : 19-DEC-2010 01:21
Client ID: SEQ-CALC
Sample Info: CAL40PPM;;;;;;10L0260
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
Y (x10^6)
Min
-1,4-Dichlorobenzene-d4
-Naphthalene-d8
-Acenaphthene-d10
Phenanthrene-d10
-Chrysene-d12+
-Perylene-d12
\\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALC.D

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALH.D
Report Date: 22-Dec-2010 13:24

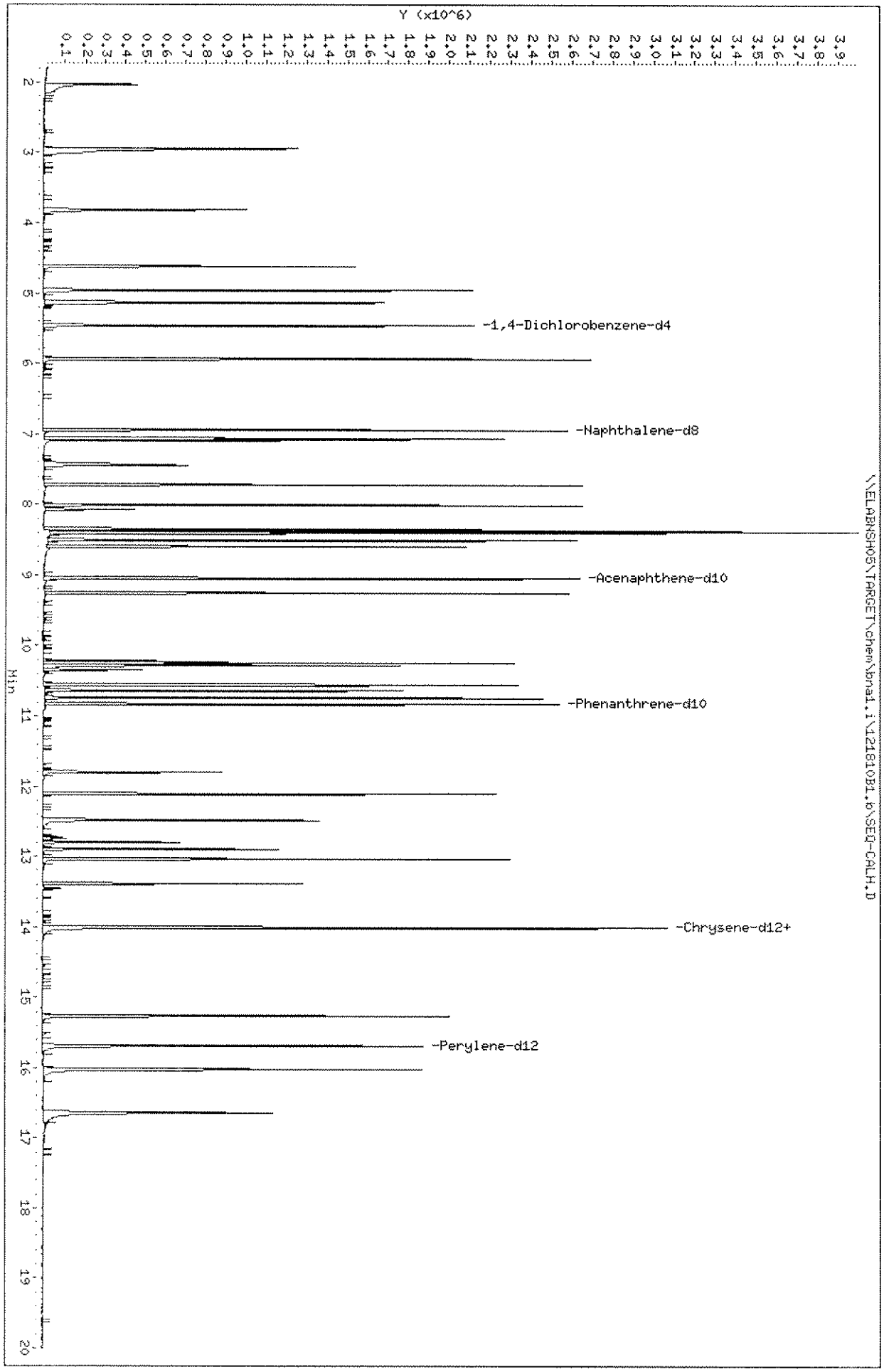
Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALH.D
Lab Smp Id: SEQ-CALH Client Smp ID: SEQ-CALH
Inj Date : 19-DEC-2010 01:49 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL50PPM;;;;;;10L0261
Misc Info : ;1;;;7;;cal_2.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:24 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 18 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_2.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.460	5.460	(1.000)	473810	40.0000	
5 1,4-Dioxane	88	2.031	2.031	(0.372)	352660	50.0000	51.93
32 Benzaldehyde	106	4.957	4.957	(0.908)	544477	50.0000	44.61
* 33 Naphthalene-d8	136	6.946	6.946	(1.000)	1435850	40.0000	
62 2,6-Dichlorophenol	162	7.062	7.062	(1.017)	553967	50.0000	49.35
57 Acetophenone	105	5.935	5.935	(1.087)	829641	50.0000	46.96
67 1,2,4,5-Tetrachlorobenzene	216	8.008	8.008	(1.153)	596282	50.0000	48.44
68 Caprolactam	113	7.450	7.450	(1.073)	185332	50.0000	44.16
* 69 Acenaphthene-d10	164	9.045	9.045	(1.000)	682655	40.0000	
100 1,1'-Biphenyl	154	8.376	8.376	(0.926)	1245851	50.0000	49.52
* 102 Phenanthrene-d10	188	10.833	10.833	(1.000)	1045615	40.0000	
129 Atrazine	200	10.558	10.558	(0.975)	295622	50.0000	51.87
* 132 Chrysene-d12	240	14.021	14.021	(1.000)	1006659	40.0000	
133 Benzidine	184	12.485	12.485	(0.890)	697471	50.0000	47.65
137 3,3'-Dichlorobenzidine	252	14.009	14.009	(0.999)	500225	50.0000	55.81
* 154 Perylene-d12	264	15.688	15.688	(1.000)	839230	40.0000	

12/22 C

GLQ
12/22/10


Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-CALH.D
Date : 19-DEC-2010 01:49
Client ID: SEQ-CALH
Sample Info: CAL50PPM;;;;;;10L0261
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
Y (x10^6)
Min
-1,4-Dichlorobenzene-d4
-Naphthalene-d8
-Acenaphthene-d10
-Phenanthrene-d10
-Chrysene-d12+
-Perylene-d12
\\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-CALH.D

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALI.D
Report Date: 22-Dec-2010 13:24

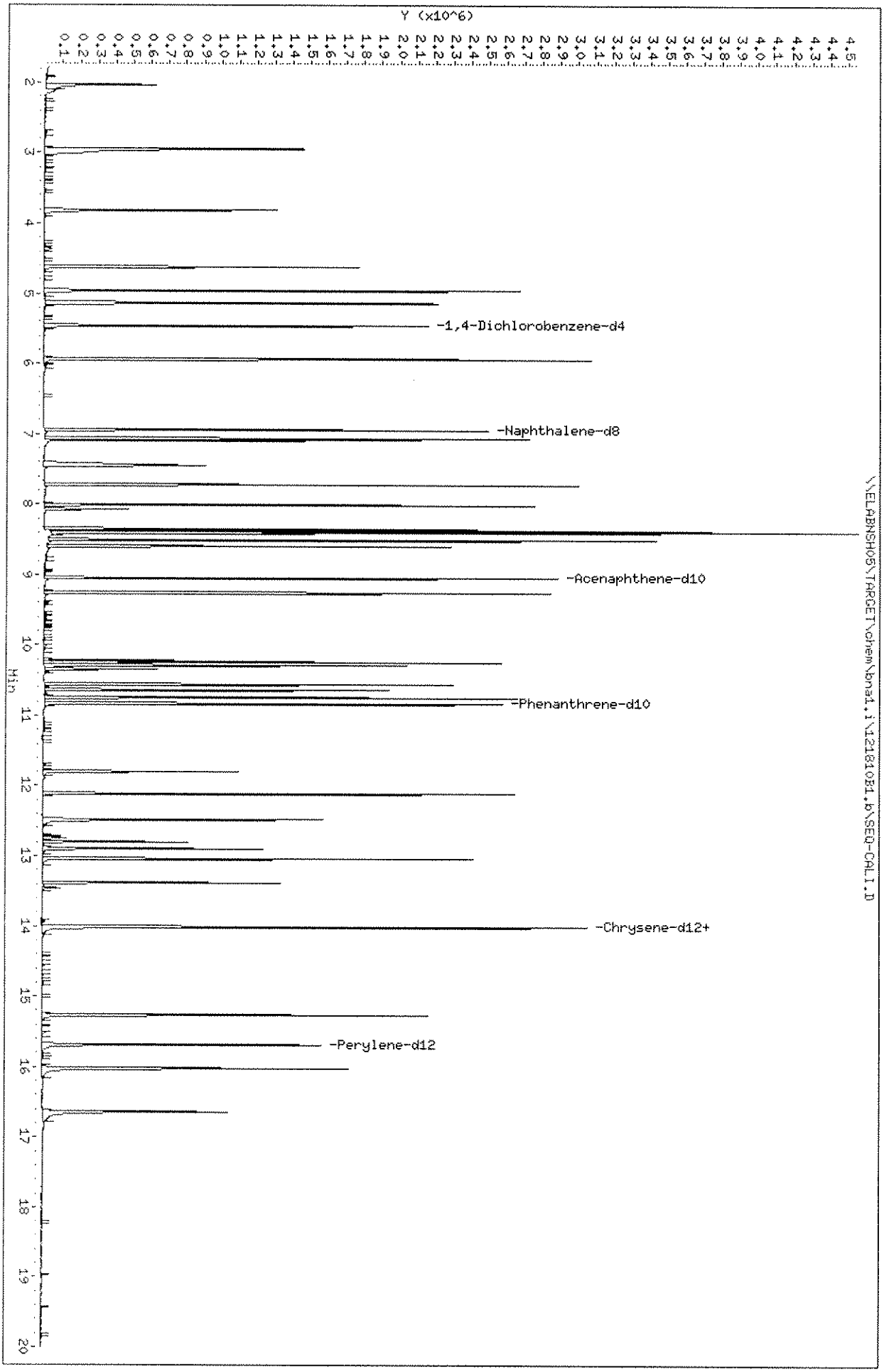
Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALI.D
Lab Smp Id: SEQ-CALI
Client Smp ID: SEQ-CALI
Inj Date : 19-DEC-2010 02:16
MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC
Inst ID: bna1.i
Smp Info : CAL60PPM;;;;;;10L0262
Misc Info : ;1;;;8;;cal_2.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:24 mcobb
Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03
Cal File: SEQ-CALB.D
Als bottle: 19
Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: cal_2.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.460	5.460	(1.000)	476472	40.0000	
5 1,4-Dioxane	88	2.031	2.031	(0.372)	419732	60.0000	61.46
32 Benzaldehyde	106	4.957	4.957	(0.908)	691612	60.0000	56.35
* 33 Naphthalene-d8	136	6.940	6.940	(1.000)	1380431	40.0000	
62 2,6-Dichlorophenol	162	7.062	7.062	(1.018)	679101	60.0000	62.93
57 Acetophenone	105	5.935	5.935	(1.087)	982261	60.0000	55.29
67 1,2,4,5-Tetrachlorobenzene	216	8.015	8.015	(1.155)	658616	60.0000	55.66
68 Caprolactam	113	7.450	7.450	(1.074)	266137	60.0000	65.96
* 69 Acenaphthene-d10	164	9.047	9.047	(1.000)	698314	40.0000	
100 1,1'-Biphenyl	154	8.377	8.377	(0.926)	1413613	60.0000	54.93
* 102 Phenanthrene-d10	188	10.829	10.829	(1.000)	1067508	40.0000	
129 Atrazine	200	10.560	10.560	(0.975)	314700	60.0000	54.08
* 132 Chrysene-d12	240	14.021	14.021	(1.000)	929135	40.0000	
133 Benzidine	184	12.483	12.483	(0.890)	779801	60.0000	58.29
137 3,3'-Dichlorobenzidine	252	14.008	14.008	(0.999)	529414	60.0000	64.00
* 154 Perylene-d12	264	15.690	15.690	(1.000)	722546	40.0000	

12/22

GLQ
12/29/10


Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL1.D
Date : 19-DEC-2010 02:16
Client ID: SEQ-CAL1
Sample Info: CAL60PPM;;;;;;10L0262
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
\\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CAL1.D
Y (x10^6)
Min
-1,4-Dichlorobenzene-d4
-Naphthalene-d8
-Acenaphthene-d10
-Phenanthrene-d10
-Chrysene-d12+
-Perylene-d12

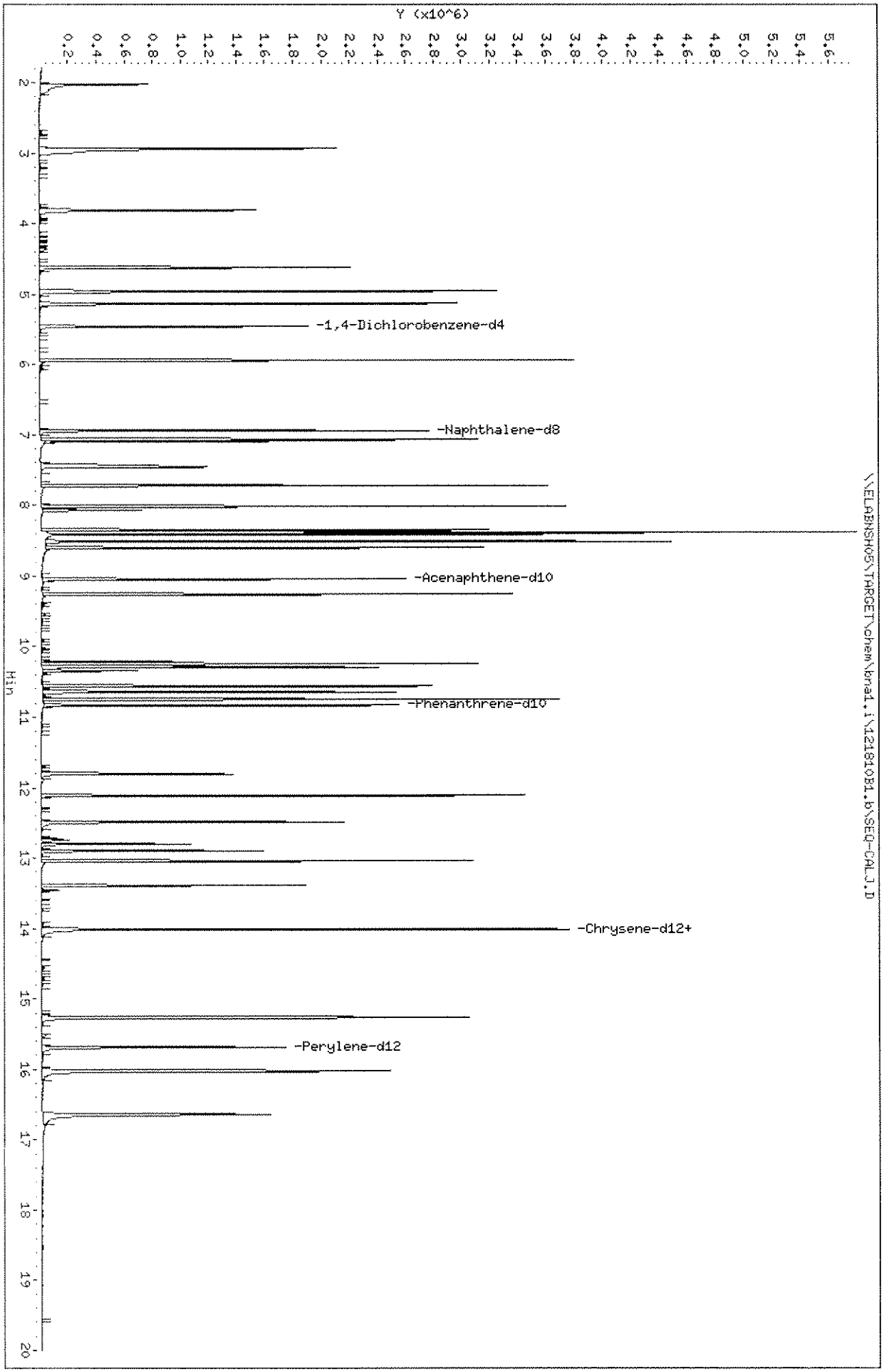
Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALJ.D
Report Date: 22-Dec-2010 13:24

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALJ.D
Lab Smp Id: SEQ-CALJ Client Smp ID: SEQ-CALJ
Inj Date : 19-DEC-2010 02:43 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL80PPM;;;;;;10L0263
Misc Info : ;1;;;9;;cal_2.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:24 mcobb Quant Type: ISTD
Cal Date : 18-DEC-2010 23:03 Cal File: SEQ-CALB.D
Als bottle: 20 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_2.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.461	5.461	(1.000)	434069	40.0000	
5 1,4-Dioxane	88	2.025	2.025	(0.371)	539575	80.0000	86.72
32 Benzaldehyde	106	4.958	4.958	(0.908)	852027	80.0000	76.20
* 33 Naphthalene-d8	136	6.941	6.941	(1.000)	1432125	40.0000	
62 2,6-Dichlorophenol	162	7.063	7.063	(1.018)	823885	80.0000	73.59
57 Acetophenone	105	5.936	5.936	(1.087)	1310773	80.0000	80.99
67 1,2,4,5-Tetrachlorobenzene	216	8.011	8.011	(1.154)	843961	80.0000	68.75
68 Caprolactam	113	7.466	7.466	(1.076)	384047	80.0000	91.74
* 69 Acenaphthene-d10	164	9.050	9.050	(1.000)	703907	40.0000	
100 1,1'-Biphenyl	154	8.380	8.380	(0.926)	1845416	80.0000	71.14
* 102 Phenanthrene-d10	188	10.830	10.830	(1.000)	1069159	40.0000	
129 Atrazine	200	10.567	10.567	(0.976)	454182	80.0000	77.94
* 132 Chrysene-d12	240	14.022	14.022	(1.000)	943154	40.0000	
133 Benzidine	184	12.484	12.484	(0.890)	1101442	80.0000	84.52
137 3,3'-Dichlorobenzidine	252	14.010	14.010	(0.999)	733963	80.0000	87.40
* 154 Perylene-d12	264	15.686	15.686	(1.000)	820089	40.0000	

12/22.6
GLQ
12/29/10


Data File: \\ELABNSH05\TARGET\chem\bna1.i\12181081.b\SEQ-CAL3.D
Date : 19-DEC-2010 02:43
Client ID: SEQ-CAL3
Sample Info: CAL80PPM;;;;;;10L0263
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
\\ELABNSH05\TARGET\chem\bna1.i\12181081.b\SEQ-CAL3.D
Y (x10^6)
Min
-1,4-Dichlorobenzene-d4
-Naphthalene-d8
-Acenaphthene-d10
-Phenanthrene-d10
-Chrysene-d12+
-Perylene-d12

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALK.D
Report Date: 22-Dec-2010 13:25

Laboratory Name

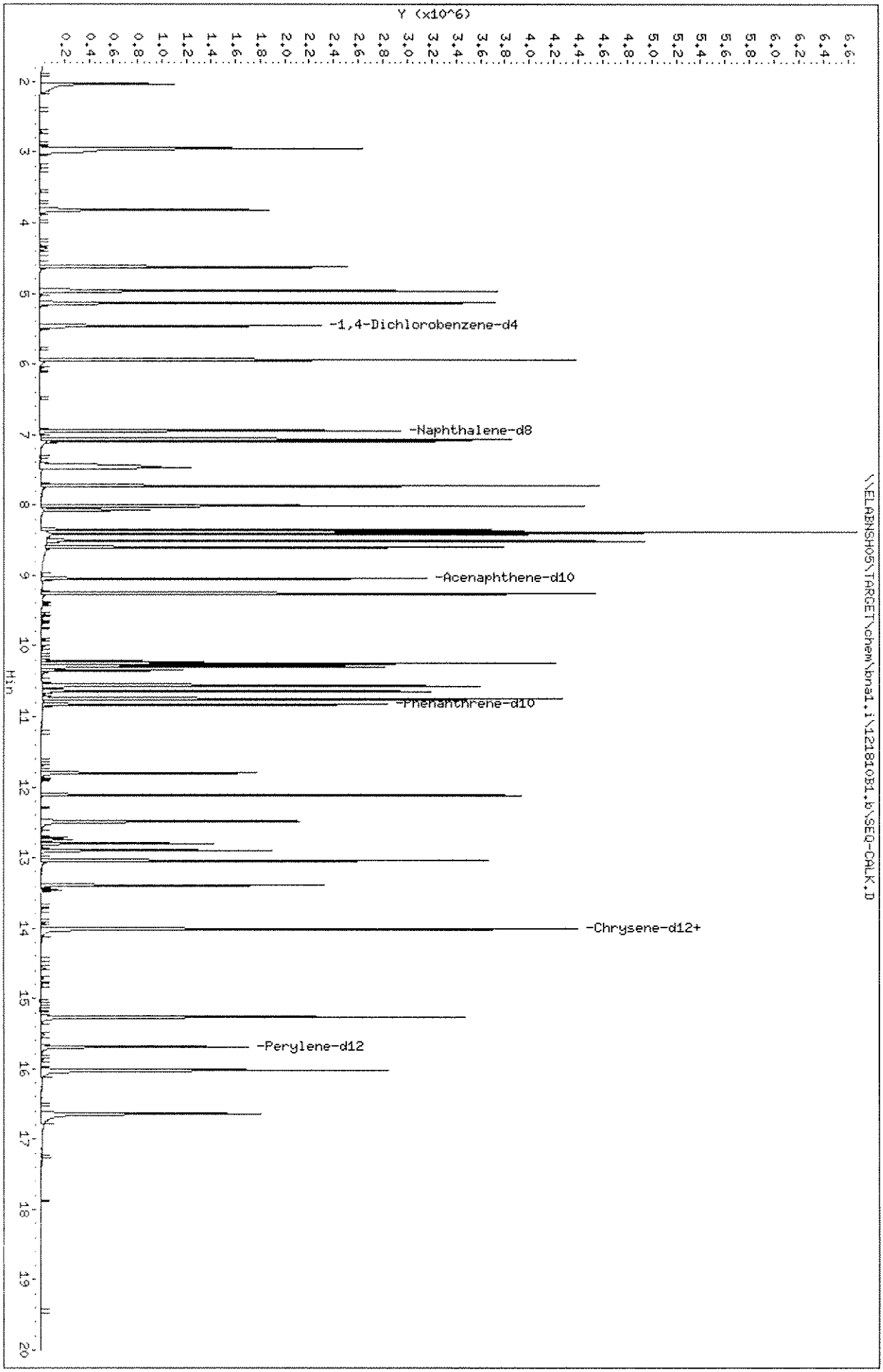
Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALK.D
Lab Smp Id: SEQ-CALK Client Smp ID: SEQ-CALK
Inj Date : 19-DEC-2010 03:11 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CAL100PPM;;;;;;10L0264
Misc Info : ;1;;;10;;cal_2.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:24 mcobb Quant Type: ISTD
Cal Date : 19-DEC-2010 03:11 Cal File: SEQ-CALK.D
Als bottle: 21 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: cal_2.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.462	5.462	(1.000)	537324	40.0000	
5 1,4-Dioxane	88	2.032	2.032	(0.372)	708226	100.000	91.95
32 Benzaldehyde	106	4.959	4.959	(0.908)	996248	100.000	71.98
* 33 Naphthalene-d8	136	6.943	6.943	(1.000)	1495873	40.0000	
62 2,6-Dichlorophenol	162	7.065	7.065	(1.018)	1063359	100.000	90.93
57 Acetophenone	105	5.938	5.938	(1.087)	1600516	100.000	79.89
67 1,2,4,5-Tetrachlorobenzene	216	8.013	8.013	(1.154)	1033065	100.000	80.56
68 Caprolactam	113	7.475	7.475	(1.077)	450768	100.000	103.1(A)
* 69 Acenaphthene-d10	164	9.046	9.046	(1.000)	771346	40.0000	
100 1,1'-Biphenyl	154	8.382	8.382	(0.927)	2268373	100.000	79.80
* 102 Phenanthrene-d10	188	10.832	10.832	(1.000)	1160091	40.0000	
129 Atrazine	200	10.564	10.564	(0.975)	595994	100.000	94.25
* 132 Chrysene-d12	240	14.022	14.022	(1.000)	941116	40.0000	
133 Benzidine	184	12.490	12.490	(0.891)	1237769	100.000	97.34
137 3,3'-Dichlorobenzidine	252	14.015	14.015	(1.000)	847235	100.000	101.1(A)
* 154 Perylene-d12	264	15.686	15.686	(1.000)	762632	40.0000	

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

12/22 G
GLQ
12/29/10


Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALK.D
Date : 19-DEC-2010 03:11
Client ID: SEQ-CALK
Sample Info: CAL100PPM;;;;;;10L0264
Column phase: fused silica
Instrument: bna1.i
Operator: HEC
Column diameter: 0.25
Y (x10^6)
Min
-1,4-Dichlorobenzene-d4
-Naphthalene-d8
-Acenaphthene-d10
-Phenanthrene-d10
-Chrysene-d12+
-Perylene-d12
\\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-CALK.D

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-ICV1.D
Report Date: 22-Dec-2010 13:37

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-ICV1.D
Lab Smp Id: SEQ-ICV1 Client Smp ID: SEQ-ICV1
Inj Date : 19-DEC-2010 03:38 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : ICV50PPM;;;;;;10L0163
Misc Info : ;3;ICV;;;;ppbnax.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 13:24 mcobb Quant Type: ISTD
Cal Date : 19-DEC-2010 03:11 Cal File: SEQ-CALK.D
Als bottle: 22 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ppbnax.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.465	5.462	(1.000)	505880	40.0000	
$ 2 2-Fluorophenol	112	4.002	4.003	(0.732)	1525597	95.1203	95.12(R)
$ 3 Phenol-d6	99	5.110	5.118	(0.935)	1716954	92.3663	92.37(R)
4 Pyridine	79	2.405	2.399	(0.440)	901760	47.6383	47.64
6 N-Nitroso-di-methylamine	42	2.405	2.405	(0.440)	329194	48.1622	48.16
7 Aniline	93	5.096	5.105	(0.932)	1064853	46.4030	46.40
10 Phenol	94	5.123	5.132	(0.938)	1031159	48.0224	48.02
11 bis(2-Chloroethyl)ether	93	5.192	5.200	(0.950)	835427	51.3210	51.32
12 2-Chlorophenol	128	5.226	5.227	(0.956)	864612	49.7299	49.73
13 1,3-Dichlorobenzene	146	5.396	5.398	(0.987)	990586	52.0594	52.06
14 1,4-Dichlorobenzene	146	5.479	5.487	(1.002)	927234	49.5611	49.56
15 Benzyl alcohol	108	5.649	5.658	(1.034)	440517	46.9753	46.98
16 1,2-Dichlorobenzene	146	5.656	5.658	(1.035)	808495	45.2499	45.25
17 2-Methylphenol	108	5.799	5.801	(1.061)	687275	49.8062	49.81
18 2,2'-Oxybis-1-chloropropane	45	5.813	5.822	(1.064)	1228934	47.5746	47.57
19 3-Methylphenol	108	5.990	5.999	(1.096)	735131	53.5864	53.59
20 4-Methylphenol	108	5.990	5.999	(1.096)	735131	53.5864	53.59
21 N-Nitroso-di-n-propylamine	70	5.969	5.979	(1.092)	555383	53.4490	53.45
22 Hexachloroethane	117	6.045	6.047	(1.106)	374048	51.4592	51.46
32 Benzaldehyde	106	4.960	4.959	(0.908)	570746	43.7995	43.80
* 33 Naphthalene-d8	136	6.947	6.943	(1.000)	1517889	40.0000	
$ 34 Nitrobenzene-d5	82	6.113	6.115	(0.880)	699947	54.5958	54.60(R)
35 Nitrobenzene	77	6.134	6.143	(0.883)	709658	53.8487	53.85
39 Isophorone	82	6.427	6.437	(0.925)	1428542	53.5558	53.56
40 2-Nitrophenol	139	6.509	6.511	(0.937)	502251	63.5411	63.54
42 2,4-Dimethylphenol	107	6.598	6.614	(0.950)	580743	49.3457	49.34

12/22 L
GLQ
12/22/10

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-ICV1.D
Report Date: 22-Dec-2010 13:37

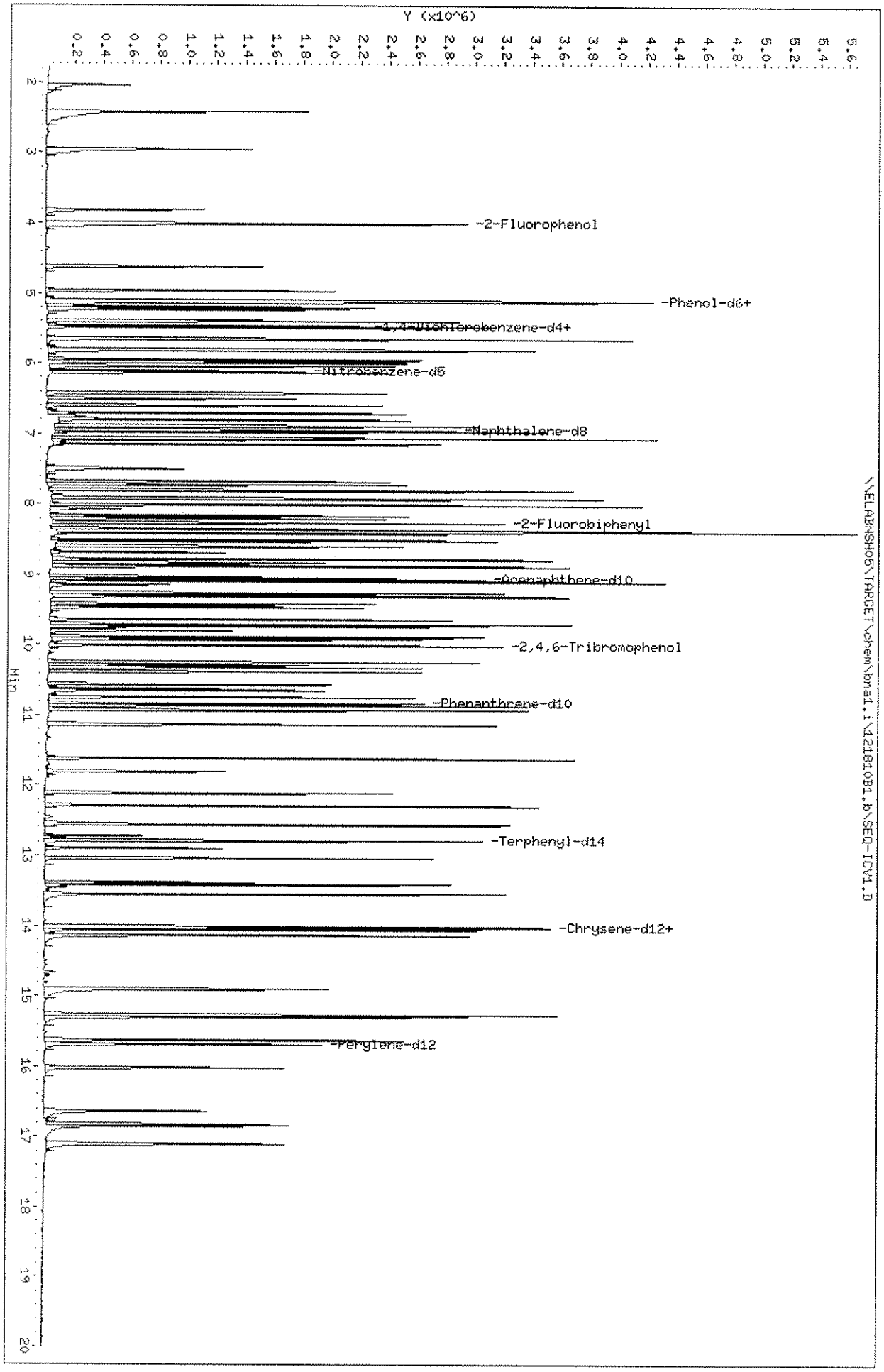
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	CONCENTRATIONS FINAL (ng/ul)
	43 Benzoic acid	105	6.783	6.847	(0.976)	357856	56.3357	56.34(M)
	44 bis(2-Chloroethoxy)methane	93	6.707	6.717	(0.965)	836909	47.7412	47.74
	47 2,4-Dichlorophenol	162	6.803	6.813	(0.979)	639612	54.7489	54.75
	62 2,6-Dichlorophenol	162	7.071	7.065	(1.018)	620314	52.2766	52.28
	50 1,2,4-Trichlorobenzene	180	6.892	6.895	(0.992)	733929	51.0589	51.06
	51 Naphthalene	128	6.975	6.978	(1.004)	1823180	49.6008	49.60
	52 4-Chloroaniline	127	7.064	7.067	(1.017)	854601	48.9418	48.94
	53 Hexachlorobutadiene	225	7.147	7.157	(1.029)	391673	51.4670	51.47
	54 4-Chloro-3-methylphenol	107	7.680	7.676	(1.105)	517304	55.4843	55.48
	55 2-Methylnaphthalene	141	7.804	7.806	(1.123)	976311	48.6213	48.62
	56 1-Methylnaphthalene	141	7.920	7.923	(1.140)	1061650	51.6091	51.61
	57 Acetophenone	105	5.949	5.938	(1.089)	910889	48.2935	48.29
	67 1,2,4,5-Tetrachlorobenzene	216	8.017	8.013	(1.154)	587207	45.1295	45.13
	68 Caprolactam	113	7.509	7.475	(1.081)	273969	61.7496	61.75
*	69 Acenaphthene-d10	164	9.052	9.046	(1.000)	793823	40.0000	
	70 Hexachlorocyclopentadiene	237	8.017	8.012	(0.886)	386436	54.1831	54.18
	71 2,4,6-Trichlorophenol	196	8.161	8.164	(0.902)	443055	56.7300	56.73
	72 2,4,5-Trichlorophenol	196	8.202	8.205	(0.906)	463130	54.5193	54.52
	73 2-Chloronaphthalene	162	8.386	8.391	(0.926)	1308720	54.2517	54.25
$	74 2-Fluorobiphenyl	172	8.263	8.267	(0.913)	1201382	45.3158	45.32(R)
	75 2-Nitroaniline	65	8.524	8.528	(0.942)	380068	64.2003	64.20
	76 Dimethylphthalate	163	8.784	8.797	(0.970)	1329536	52.0407	52.04(M)
	77 Acenaphthylene	152	8.880	8.880	(0.981)	1688960	45.0029	45.00
	78 2,6-Dinitrotoluene	165	8.832	8.845	(0.976)	353484	52.0058	52.00(M)
	79 3-Nitroaniline	138	9.024	9.038	(0.997)	345688	45.9432	45.94
	80 Acenaphthene	153	9.092	9.100	(1.004)	1101769	47.9334	47.93
	81 2,4-Dinitrophenol	184	9.147	9.162	(1.011)	169404	54.9235	54.92
	83 4-Nitrophenol	65	9.271	9.279	(1.024)	181052	50.2629	50.26
	84 Dibenzofuran	168	9.298	9.306	(1.027)	1506598	47.7533	47.75
	85 2,4-Dinitrotoluene	165	9.312	9.327	(1.029)	409736	51.5267	51.53
	86 Diethylphthalate	149	9.635	9.642	(1.064)	1312987	49.3231	49.32
	87 4-Chlorophenyl-phenylether	204	9.731	9.737	(1.075)	592248	46.5001	46.50
	88 Fluorene	166	9.711	9.716	(1.073)	1211443	48.0885	48.09
	89 4-Nitroaniline	138	9.759	9.778	(1.078)	226762	41.6058	41.60
	96 2,3,4,6-Tetrachlorophenol	232	9.463	9.471	(1.045)	362217	51.5209	51.52
	100 1,1'-Biphenyl	154	8.379	8.382	(0.926)	1224892	41.8724	41.87
*	102 Phenanthrene-d10	188	10.832	10.832	(1.000)	1231040	40.0000	
	103 1,2-Diphenylhydrazine	77	9.924	9.929	(0.916)	1184224	46.8801	46.88
	104 Carbazole	167	11.134	11.140	(1.028)	1510493	50.4730	50.47
	105 4,6-Dinitro-2-methylphenol	198	9.800	9.819	(0.905)	254439	51.0994	51.10
	106 N-Nitrosodiphenylamine	169	9.882	9.895	(0.912)	968178	47.0712	47.07
$	107 2,4,6-Tribromophenol	330	10.005	10.017	(0.924)	488605	103.379	103.4(AR)
	108 4-Bromophenyl-phenylether	248	10.319	10.322	(0.953)	397399	51.9992	52.00
	109 Hexachlorobenzene	284	10.380	10.390	(0.958)	439683	48.6991	48.70
	110 Pentachlorophenol	266	10.626	10.628	(0.981)	273701	51.0975	51.10
	111 Phenanthrene	178	10.867	10.866	(1.003)	1594688	47.9952	48.00
	112 Anthracene	178	10.928	10.928	(1.009)	1613757	49.3796	49.38

Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-ICV1.D
Report Date: 22-Dec-2010 13:37

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (ng/ul)
115 Di-n-butylphthalate	149	11.614	11.621	(1.072)	2300353	54.8313	54.83
116 Fluoranthene	202	12.296	12.301	(1.135)	1664272	49.0726	49.07
129 Atrazine	200	10.565	10.564	(0.975)	292950	43.6590	43.66
* 132 Chrysene-d12	240	14.027	14.022	(1.000)	1056010	40.0000	
134 Pyrene	202	12.563	12.568	(0.896)	1698333	47.7936	47.79
$ 135 Terphenyl-d14	244	12.788	12.794	(0.912)	1100975	48.1279	48.13(R)
136 Butylbenzylphthalate	149	13.411	13.421	(0.956)	910139	55.1646	55.16
138 Benzo(a)anthracene	228	14.015	14.016	(0.999)	1466848	49.6579	49.66
139 Chrysene	228	14.060	14.063	(1.002)	1412748	45.6675	45.67
140 Bis(2-ethylhexyl)phthalate	149	14.136	14.139	(1.008)	1180564	57.0884	57.09
* 154 Perylene-d12	264	15.690	15.686	(1.000)	915454	40.0000	
155 Di-n-octylphthalate	149	14.903	14.905	(0.950)	1840581	57.0186	57.02
156 Benzo(b)fluoranthene	252	15.266	15.275	(0.973)	1288257	51.3628	51.36
157 Benzo(k)fluoranthene	252	15.300	15.309	(0.975)	1361225	47.2837	47.28
158 Benzo(a)pyrene	252	15.628	15.638	(0.996)	1259941	54.7819	54.78
159 Indeno(1,2,3-cd)pyrene	276	16.826	16.833	(1.072)	1076442	55.8308	55.83
160 Dibenz(a,h)anthracene	278	16.846	16.852	(1.074)	838975	50.1329	50.13
161 Benzo(g,h,i)perylene	276	17.107	17.120	(1.090)	942649	54.5188	54.52

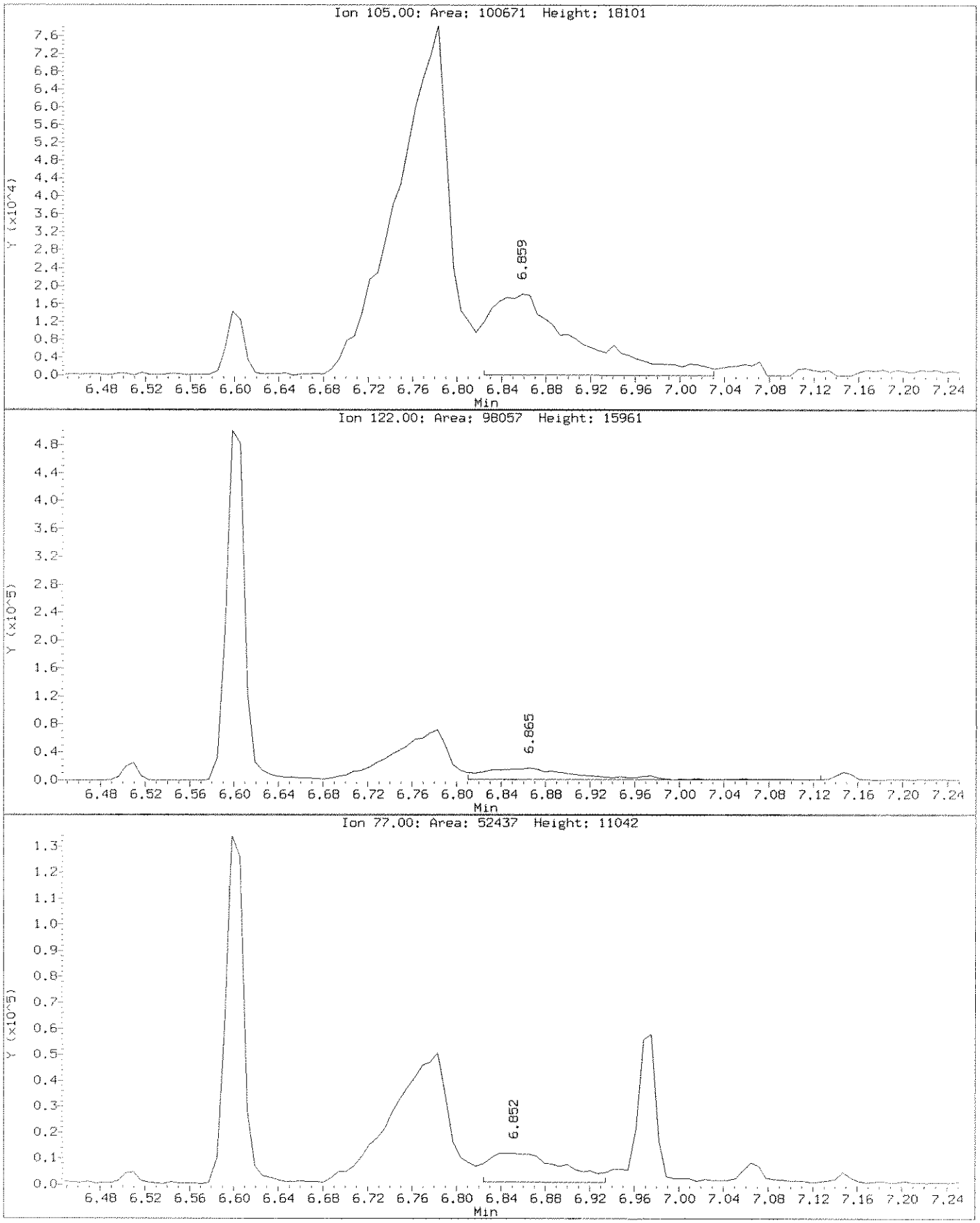
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.


Data File: \\ELABNSH05\TARGET\chem\bna1.i\12181051.b\SEQ-ICV1.D
Date : 19-DEC-2010 03:38
Client ID: SEQ-ICV1
Sample Info: ICV50PPM;;;;;;10L0163
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
\\ELABNSH05\TARGET\chem\bna1.i\12181051.b\SEQ-ICV1.D
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6+
-1,4-Dichlorobenzene-d4+
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12

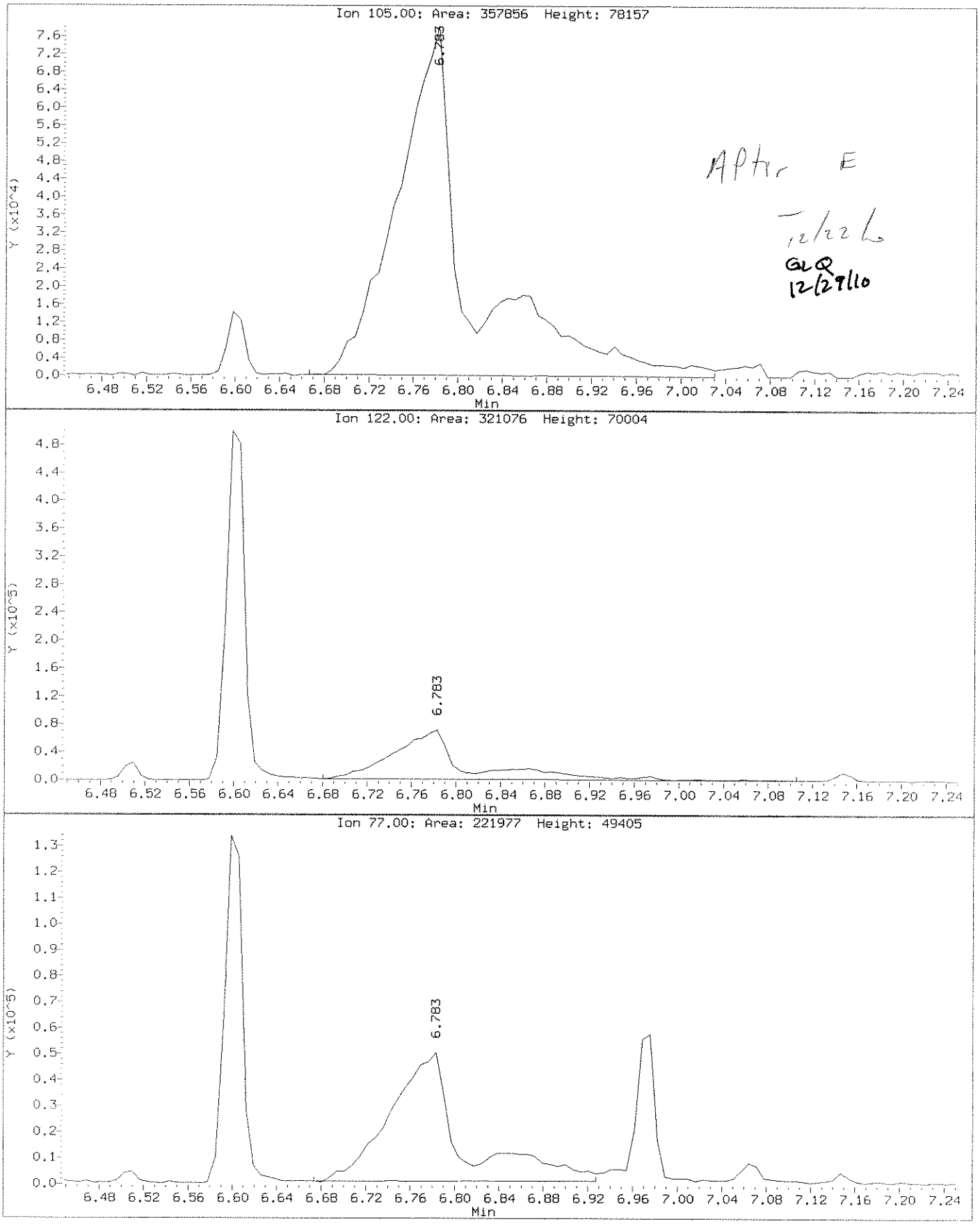
Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-ICV1.D
Injection Date: 19-DEC-2010 03:38
Instrument: bna1.i
Client Sample ID: SEQ-ICV1

Compound: Benzoic acid
CAS Number: 65-85-0



Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-ICV1.D
Injection Date: 19-DEC-2010 03:38
Instrument: bna1.i
Client Sample ID: SEQ-ICV1

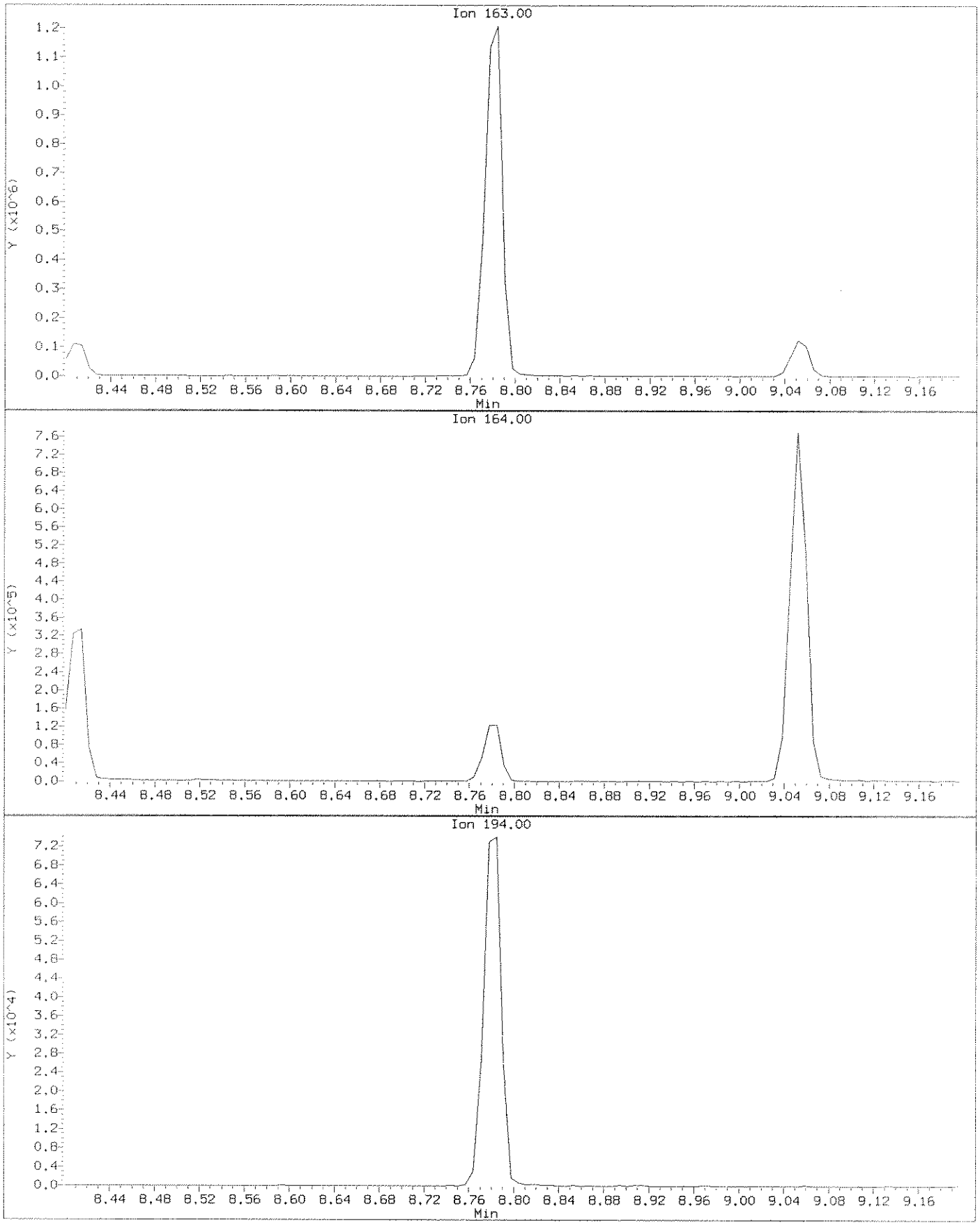
Compound: Benzoic acid
CAS Number: 65-85-0



After E
12/22
GLQ
12/29/10

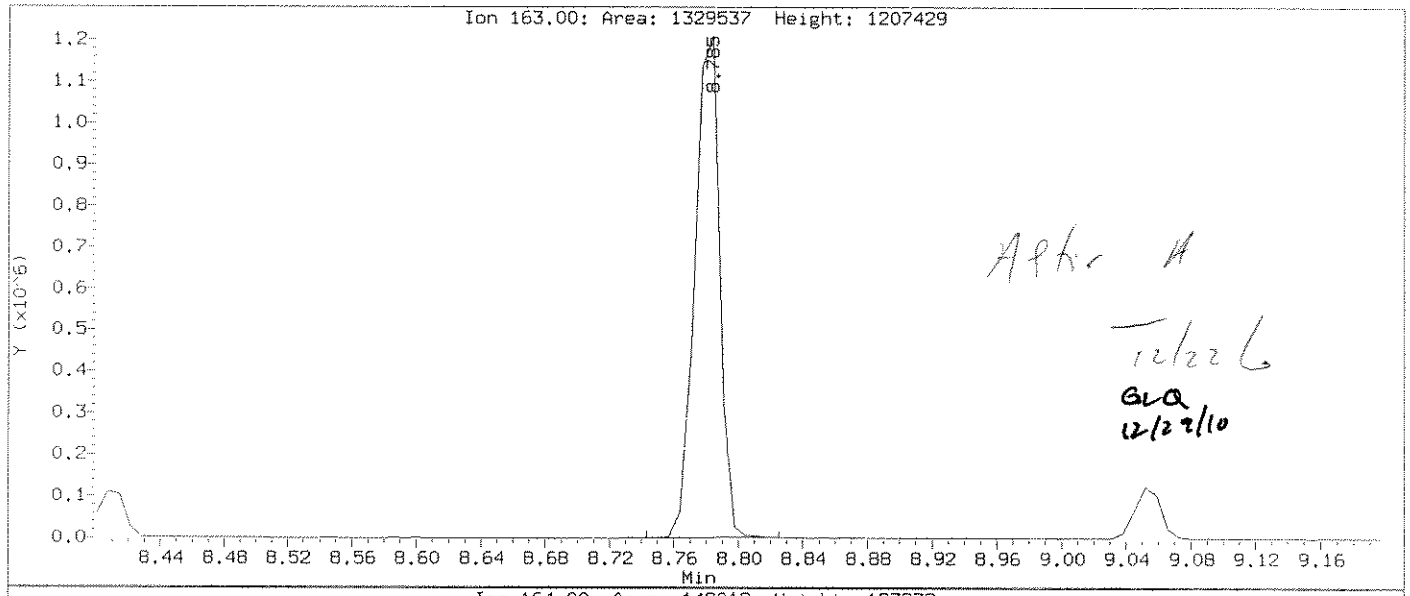
Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-ICV1.D
Injection Date: 19-DEC-2010 03:38
Instrument: bna1.i
Client Sample ID: SEQ-ICV1

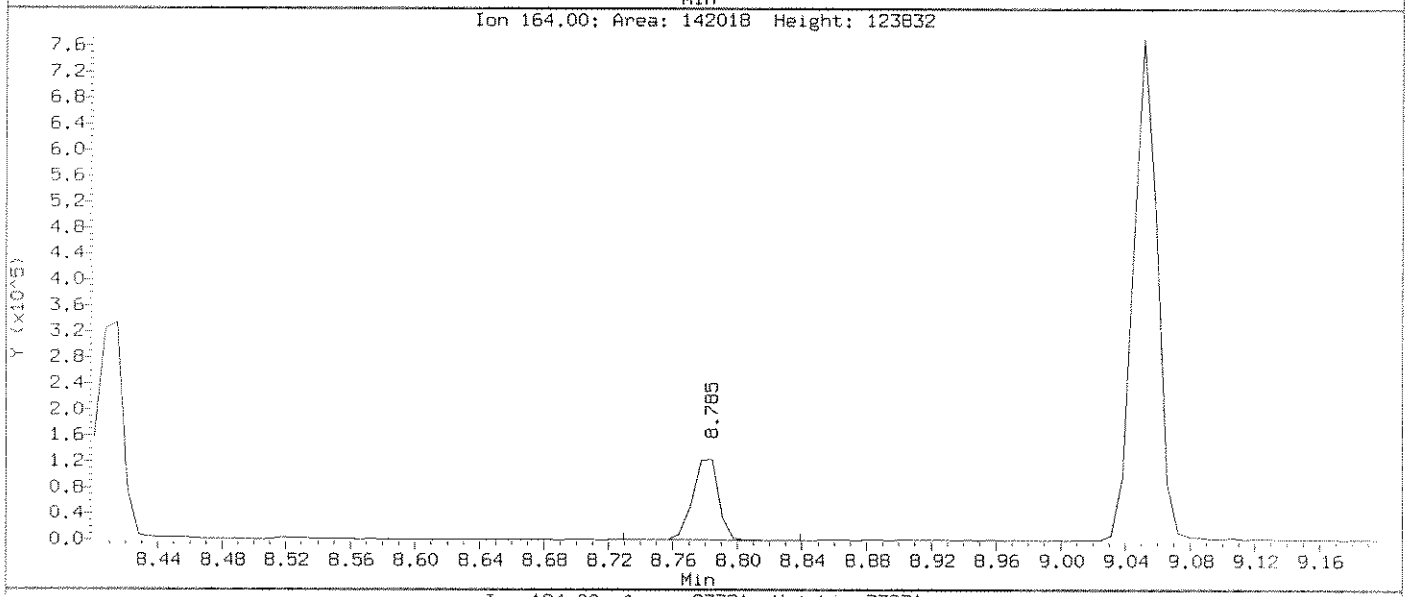
Compound: Dimethylphthalate
CAS Number: 131-11-3

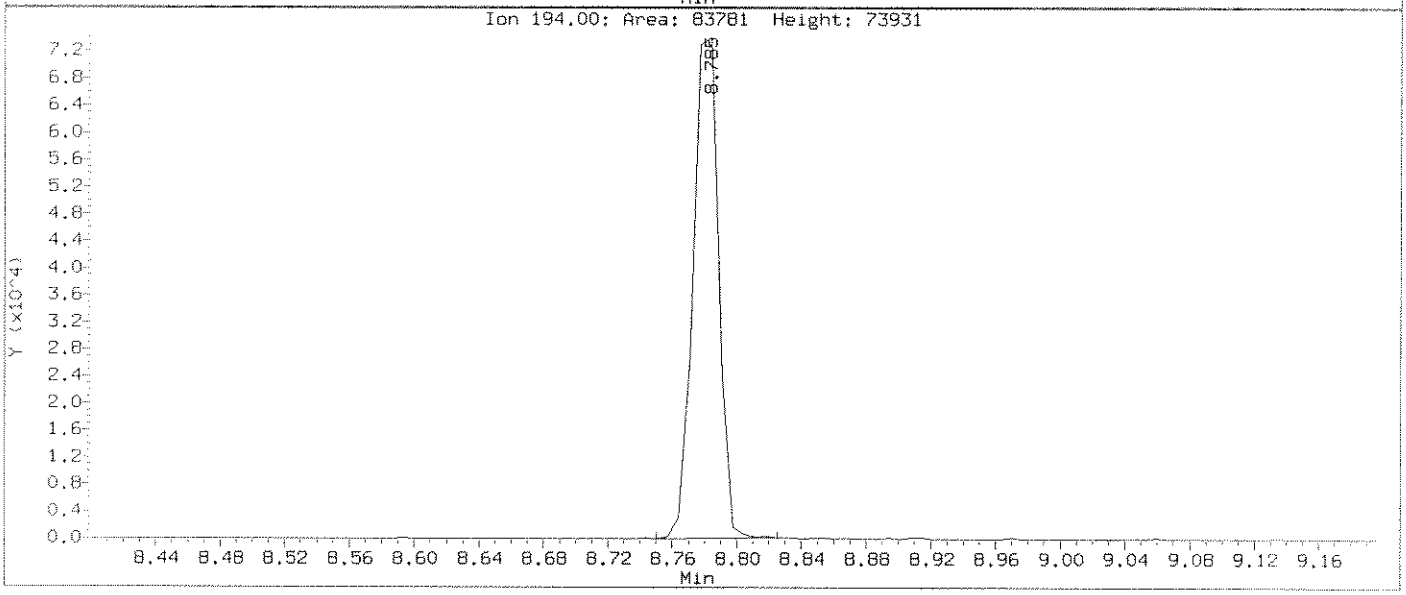


Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-ICV1.D
Injection Date: 19-DEC-2010 03:38
Instrument: bna1.i
Client Sample ID: SEQ-ICV1

Compound: Dimethylphthalate
CAS Number: 131-11-3

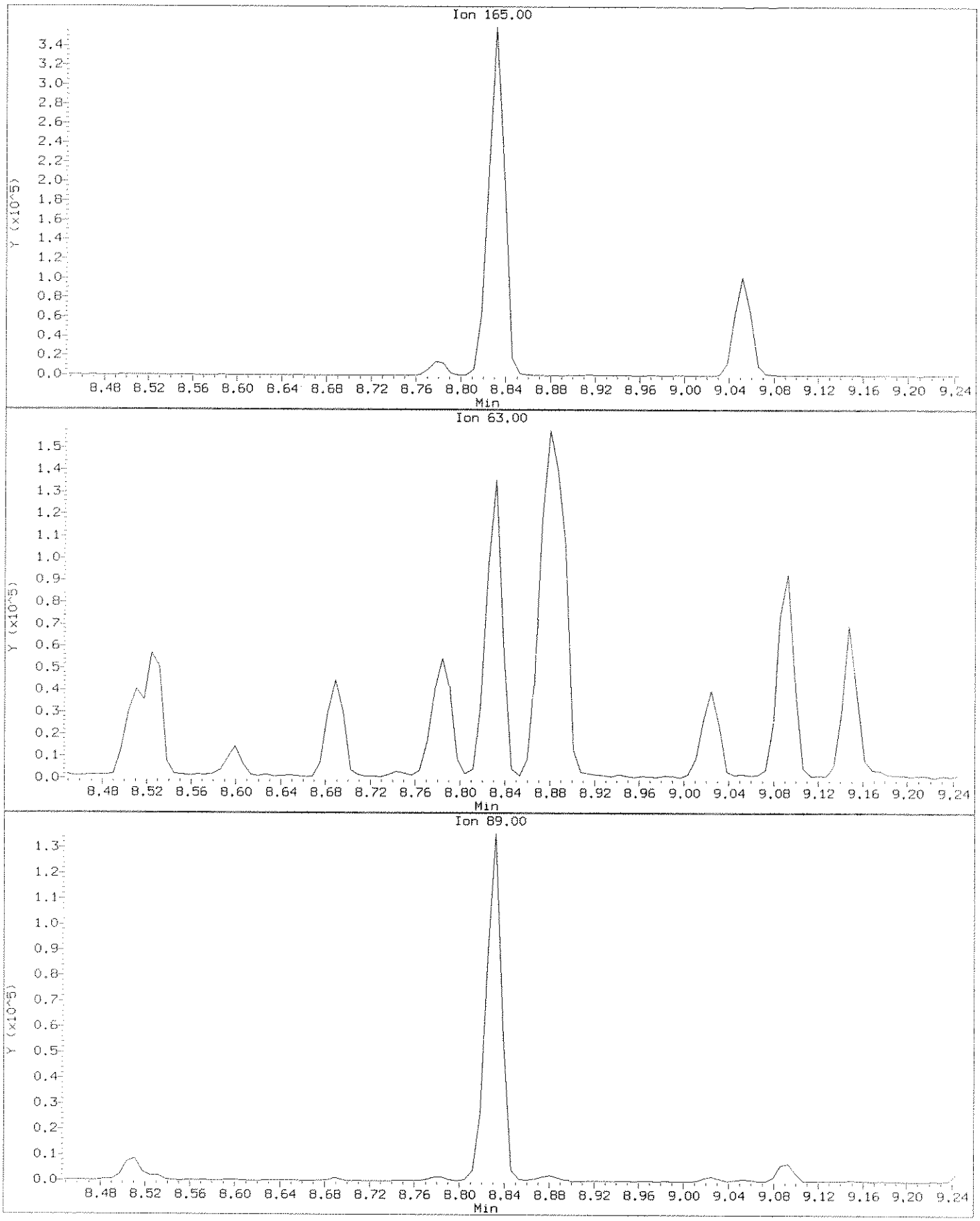






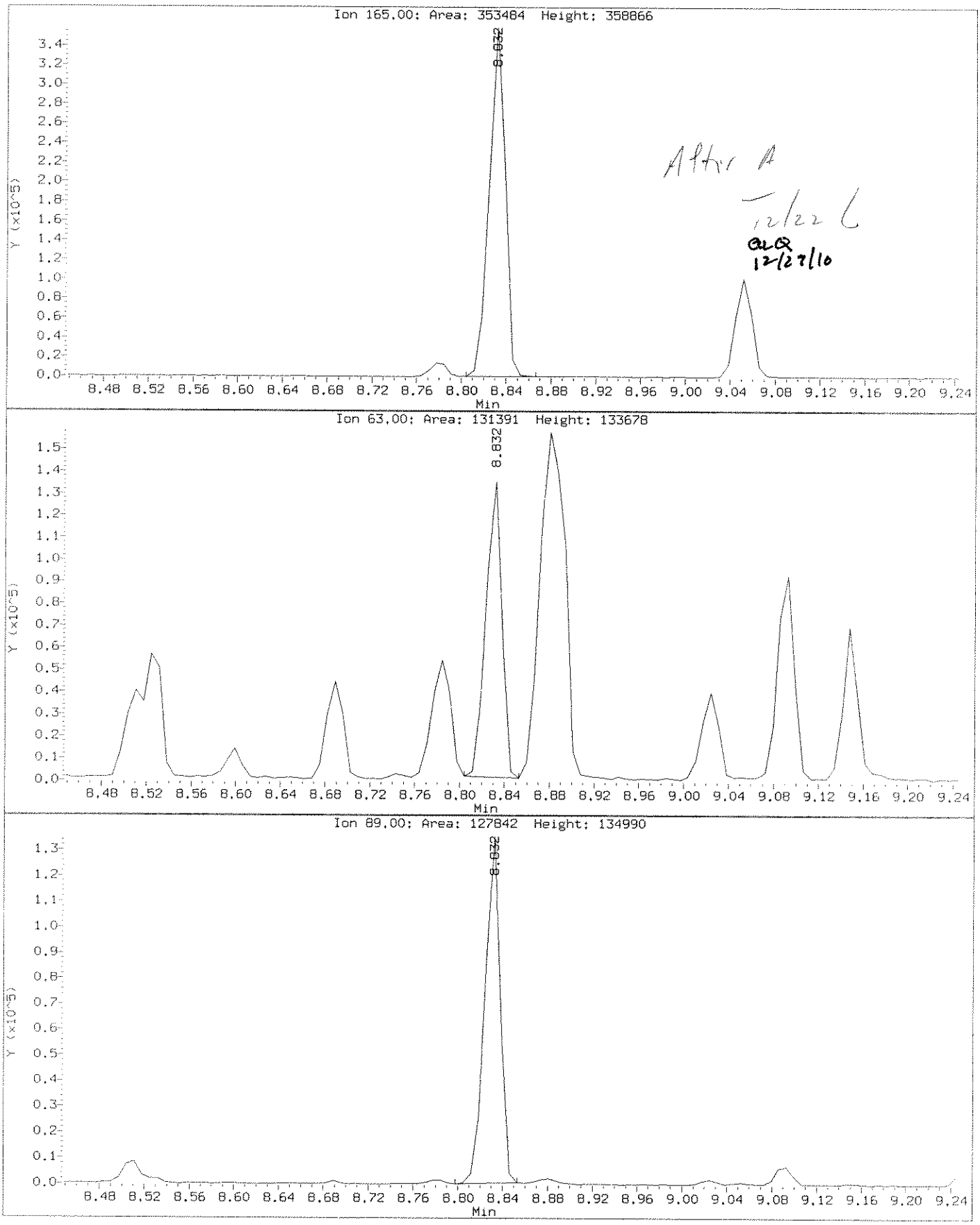
Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-ICV1.D
Injection Date: 19-DEC-2010 03:38
Instrument: bna1.i
Client Sample ID: SEQ-ICV1

Compound: 2,6-Dinitrotoluene
CAS Number: 606-20-2



Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-ICV1.D
Injection Date: 19-DEC-2010 03:38
Instrument: bna1.i
Client Sample ID: SEQ-ICV1

Compound: 2,6-Dinitrotoluene
CAS Number: 606-20-2



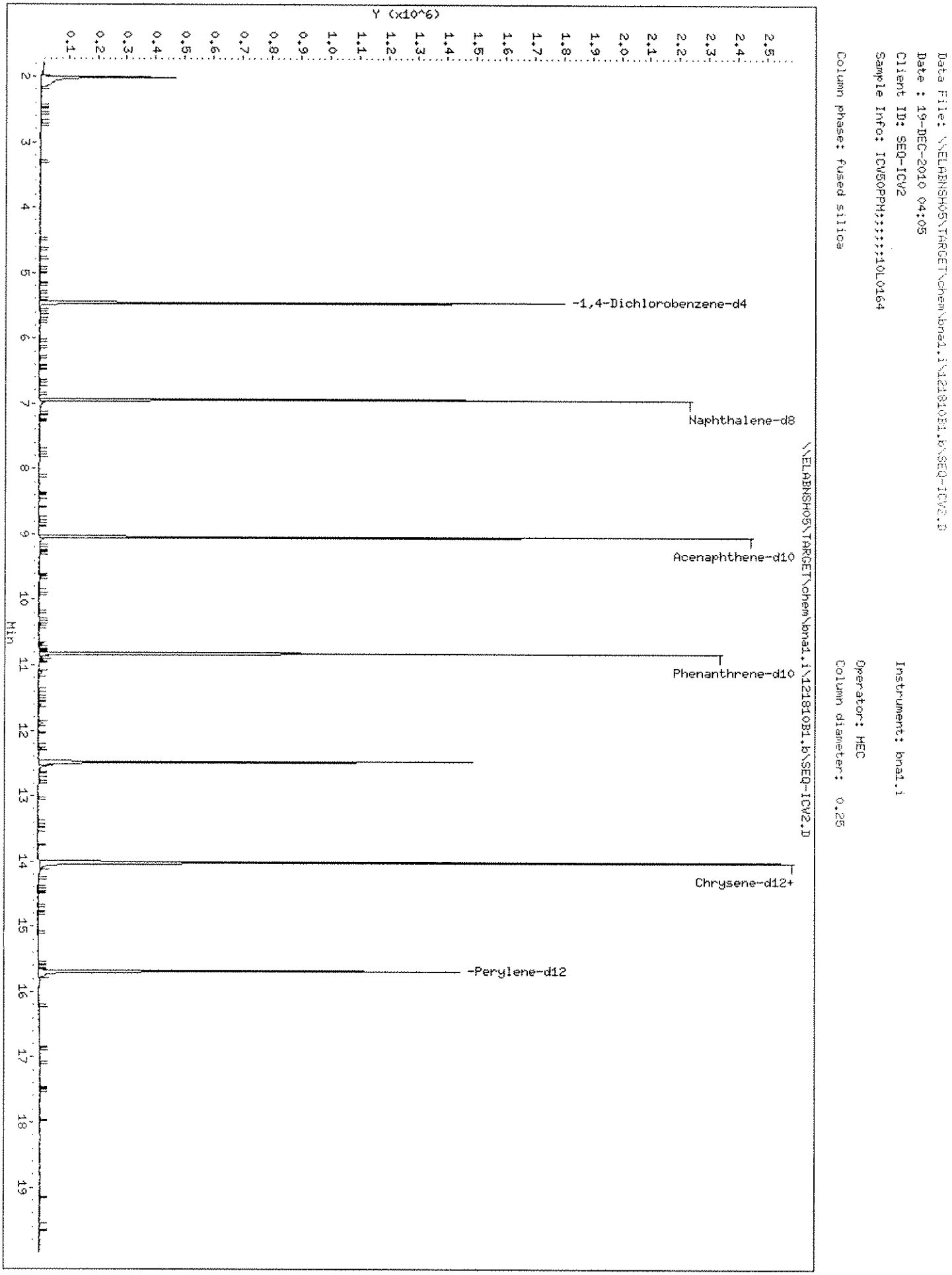
Data File: \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-ICV2.D
Report Date: 22-Dec-2010 11:22

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\SEQ-ICV2.D
Lab Smp Id: SEQ-ICV2 Client Smp ID: SEQ-ICV2
Inj Date : 19-DEC-2010 04:05 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : ICV50PPM;;;;;;10L0164
Misc Info : ;3;ICV;;;;ppbnax.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\121810B1.b\IXBN1.m
Meth Date : 22-Dec-2010 10:58 mcobb Quant Type: ISTD
Cal Date : 19-DEC-2010 03:11 Cal File: SEQ-CALK.D
Als bottle: 23 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ppbnax.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.458	5.462	(1.000)	433994	40.0000	
5 1,4-Dioxane	88	2.011	2.032	(0.369)	326217	52.4392	52.44
* 33 Naphthalene-d8	136	6.944	6.943	(1.000)	1281957	40.0000	
* 69 Acenaphthene-d10	164	9.047	9.046	(1.000)	601356	40.0000	
* 102 Phenanthrene-d10	188	10.826	10.832	(1.000)	948605	40.0000	
* 132 Chrysene-d12	240	14.015	14.022	(1.000)	908222	40.0000	
133 Benzidine	184	12.482	12.490	(0.891)	648436	49.1406	49.14
137 3,3'-Dichlorobenzidine	252	14.008	14.015	(1.000)	426560	52.7508	52.75
* 154 Perylene-d12	264	15.684	15.686	(1.000)	665867	40.0000	

12/22 C
GLQ
12/29/10


Data File: \\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-ICV2.D
Date : 19-DEC-2010 04:05
Client ID: SEQ-ICV2
Sample Info: ICV50PPM;;;;;;10L0164
Column phase: fused silica
Instrument: bna1.i
Operator: HEC
Column diameter: 0.25
Y (x10^6)
-1,4-Dichlorobenzene-d4
Naphthalene-d8
Acenaphthene-d10
Phenanthrene-d10
Chrysene-d12+
-Perylene-d12
\\ELABNSHO5\TARGET\chem\bna1.i\121810B1.b\SEQ-ICV2.D
Min

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122210B1.b\SEQ-ICV3.D
Report Date: 23-Dec-2010 10:52

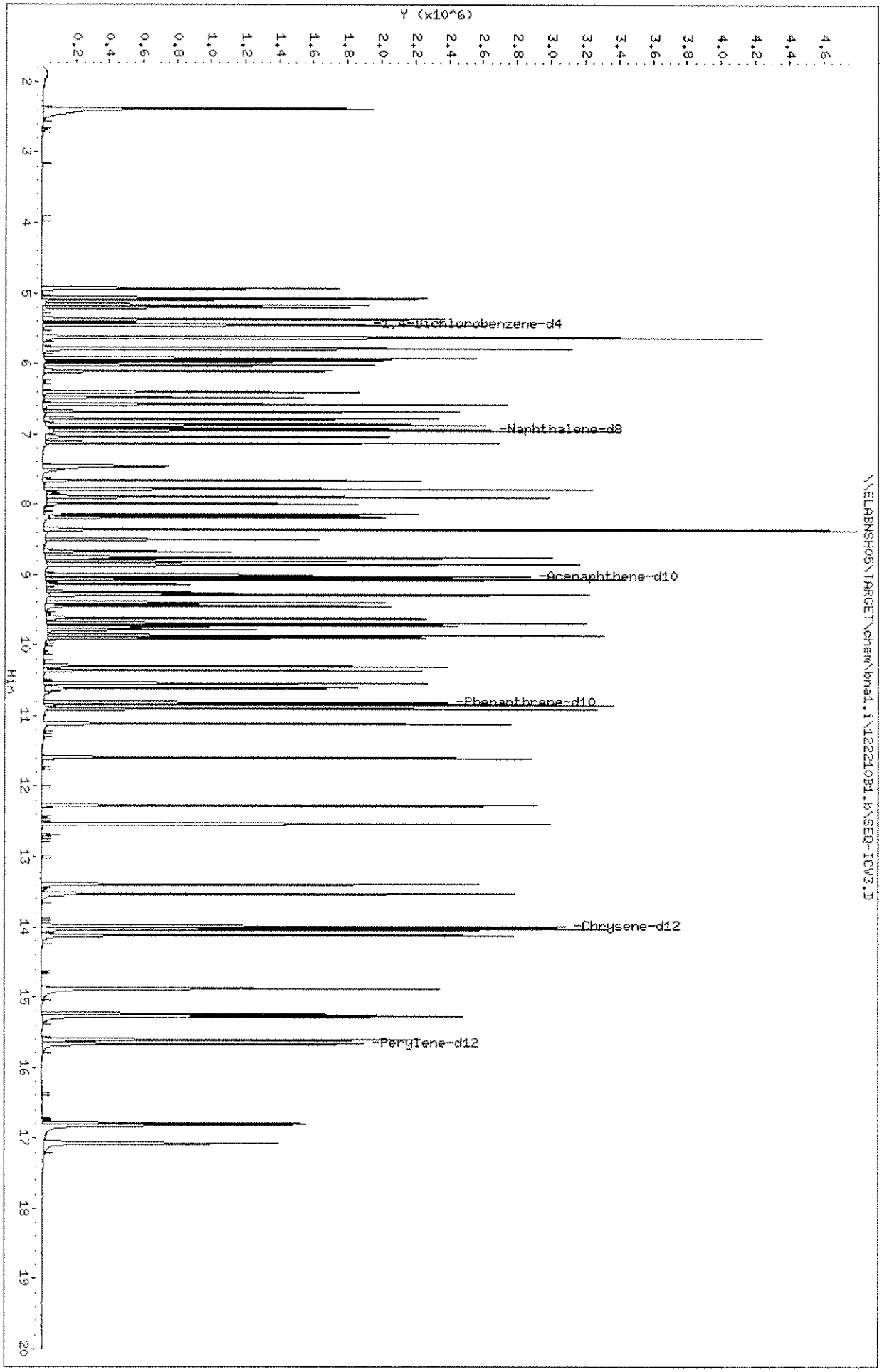
Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\122210B1.b\SEQ-ICV3.D
Lab Smp Id: SEQ-ICV3 Client Smp ID: SEQ-ICV3
Inj Date : 22-DEC-2010 17:47 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : ICV50PPM;;;;;;10L0768
Misc Info : ;3;ICV;;;;ppbnax.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\122210B1.b\IXBN1.m
Meth Date : 22-Dec-2010 18:33 mcobb Quant Type: ISTD
Cal Date : 19-DEC-2010 03:11 Cal File: SEQ-CALK.D
Als bottle: 2 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ppbnax.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.434	5.436	(1.000)	406665	40.0000	
* 33 Naphthalene-d8	136	6.921	6.924	(1.000)	1394749	40.0000	
40 2-Nitrophenol	139	6.484	6.480	(0.937)	386450	53.2073	53.21
68 Caprolactam	113	7.460	7.492	(1.078)	237541	58.2660	58.27
* 69 Acenaphthene-d10	164	9.027	9.027	(1.000)	741836	40.0000	
75 2-Nitroaniline	65	8.500	8.505	(0.942)	288024	52.0619	52.06
* 102 Phenanthrene-d10	188	10.807	10.807	(1.000)	1131739	40.0000	
* 132 Chrysene-d12	240	14.006	14.003	(1.000)	920727	40.0000	
* 154 Perylene-d12	264	15.664	15.663	(1.000)	907502	40.0000	

12/23

GLQ
12/29/10


Data File: \\ELABNSH05\TARGET\chem\bna1.i\122210B1.b\SEQ-ICV3.D
Date : 22-DEC-2010 17:47
Client ID: SEQ-ICV3
Sample Info: ICV50PPM;;;;;;10L0768
Column phase: fused silica
Instrument: bna1.i
Operator: HEC
Column diameter: 0.25
\\ELABNSH05\TARGET\chem\bna1.i\122210B1.b\SEQ-ICV3.D
Y (x10^6)
Min
1,4-Dichlorobenzene-d4
Naphthalene-d8
Acenaphthene-d10
Phenanthrene-d10
Chrysene-d12
Perylene-d12

Sequence Name: C:\HPCHEM\1\SEQUENCE\122810B1.S
Comment: 8270C/8270D/625
Operator: MEC
Data Path: C:\HPCHEM\1\DATA\122810B1.b\
Pre-Seq Cmd:
Post-Seq Cmd:

8366
12/29

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Tune	1	SEQ-TUN1	DFTPPBN1	DF1228B1;;;;;10L0066 15:18, 12/28
2	CCal	2	SEQ-CCV1	IXBN1	CCV50PPM;;;;;;10L0788
3	QC	3	L13015L1	IXBN1	0L13015-BS1;;1000;500;;UG/L;14-DEC-20
4	QC	4	L13015L2	IXBN1	0L13015-BSD1;;1000;500;;UG/L;14-DEC-2
5	QC	5	L13015B1	IXBN1	0L13015-BLK1;;1000;500;;UG/L;14-DEC-2
6	Sample	6	1211801	IXBN1	1012118-01;;1000;500;;UG/L;14-DEC-201
7	Sample	7	1211802	IXBN1	1012118-02;;1000;500;;UG/L;14-DEC-201
8	Sample	8	1211803	IXBN1	1012118-03;;1000;500;;UG/L;14-DEC-201
9	Sample	9	1211804	IXBN1	1012118-04;;1000;500;;UG/L;14-DEC-201
10	Sample	10	1211805	IXBN1	1012118-05;;1000;500;;UG/L;14-DEC-201
11	Sample	11	1211806	IXBN1	1012118-06;;1000;500;;UG/L;14-DEC-201
12	Sample	12	1211807	IXBN1	1012118-07;;1000;500;;UG/L;14-DEC-201
13	Sample	13	1211808	IXBN1	1012118-08;;1000;500;;UG/L;14-DEC-201
14	Sample	14	1211809	IXBN1	1012118-09;;1000;500;;UG/L;14-DEC-201
15	Sample	15	1211810	IXBN1	1012118-10;;1000;500;;UG/L;14-DEC-201
16	Sample	16	1212501	IXBN1	1012125-01;;1000;1000;;UG/L;14-DEC-20
17	Sample	17	1212502	IXBN1	1012125-02;;1000;1000;;UG/L;14-DEC-20
18	Sample	18	1212503	IXBN1	1012125-03;;1000;1000;;UG/L;14-DEC-20
19	Sample	19	1216701	IXBN1	1012167-01;;1000;1000;;UG/L;00-DEC-20
20	Sample	20	1216702	IXBN1	1012167-02;;1000;1000;;UG/L;00-DEC-20
21	Sample	21	1216703	IXBN1	1012167-03;;1000;1000;;UG/L;00-DEC-20
22	Sample	22	1216704	IXBN1	1012167-04;;1000;1000;;UG/L;00-DEC-20
23	Sample	23	1215006D	IXBN1	1012150-06;5;1000;1000;;UG/L;16-DEC-2 1:58, 12/29
24	Tune	1	SEQ-TUN2	DFTPPBN1	DF1228B2;;;;;10L0066

Last Modified: Wed Dec 29 15:50:50 2010

ANALYSIS SEQUENCE

0L36407

Instrument: MS-BNA1

Calibnration ID: 0362004

Printed: 12/30/2010 2:21:30PM

Lab Number	Analysis	Container	Order	Position	STD ID	ISTD ID	Client	Comments
0L36407-TUN1	QC		1		10L0066			
0L36407-CCV1	QC		2		10L0788	10H0528		
0L13015-BS1	QC		3			10H0528		
0L13015-BSD1	QC		4			10H0528		
0L13015-BLK1	QC		5			10H0528		
1012118-01	MS_BNA_8270C_3510_RE	G	6			10H0528	Tetra Tech NUS, Inc. (T010)	conc to 0.5mL
1012118-02	MS_BNA_8270C_3510_RE	G	7			10H0528	Tetra Tech NUS, Inc. (T010)	conc to 0.5mL
1012118-03	MS_BNA_8270C_3510_RE	G	8			10H0528	Tetra Tech NUS, Inc. (T010)	conc to 0.5mL
1012118-04	MS_BNA_8270C_3510_RE	G	9			10H0528	Tetra Tech NUS, Inc. (T010)	conc to 0.5mL
1012118-05	MS_BNA_8270C_3510_RE	F	10			10H0528	Tetra Tech NUS, Inc. (T010)	Low Sample Volume!!!conc to 0.5mL
1012118-06	MS_BNA_8270C_3510_RE	G	11			10H0528	Tetra Tech NUS, Inc. (T010)	conc to 0.5mL
1012118-07	MS_BNA_8270C_3510_RE	G	12			10H0528	Tetra Tech NUS, Inc. (T010)	conc to 0.5mL
1012118-08	MS_BNA_8270C_3510_RE	G	13			10H0528	Tetra Tech NUS, Inc. (T010)	conc to 0.5mL
1012118-09	MS_BNA_8270C_3510_RE	H	14			10H0528	Tetra Tech NUS, Inc. (T010)	conc to 0.5mL
1012118-10	MS_BNA_8270C_3510_RE	F	15			10H0528	Tetra Tech NUS, Inc. (T010)	conc to 0.5mL
1012125-01	MS_BNA_8270D_3510_RE	D	16			10H0528	Tetra Tech NUS, Inc. (T010)	See Version Client List
1012125-02	MS_BNA_8270D_3510_RE	D	17			10H0528	Tetra Tech NUS, Inc. (T010)	See Version Client List
1012125-03	MS_BNA_8270D_3510_RE	E	18			10H0528	Tetra Tech NUS, Inc. (T010)	See Version Client List
0L30005-BLK1	QC		19			10H0528		
0L30005-BS1	QC		20			10H0528		
0L30005-BSD1	QC		21			10H0528		
1012167-04	SMS_BNA_625	-	22			10H0528	Microbac Laboratories-Knoxville & Tri-Citie	Check for applicable versions,SAMPL
1012150-06RE1	SMS_BNA_625	A	23			10H0528	Resolve Environmental Services, PLLC	LOW VOLUME, WATCH HOLD TIM

Samples Loaded By Date

Data Processed By Date

415

CTO154OURI_002

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-TUN1.D

Date : 28-DEC-2010 15:18

Client ID: 50ppm DFTPP

Instrument: bna1.i

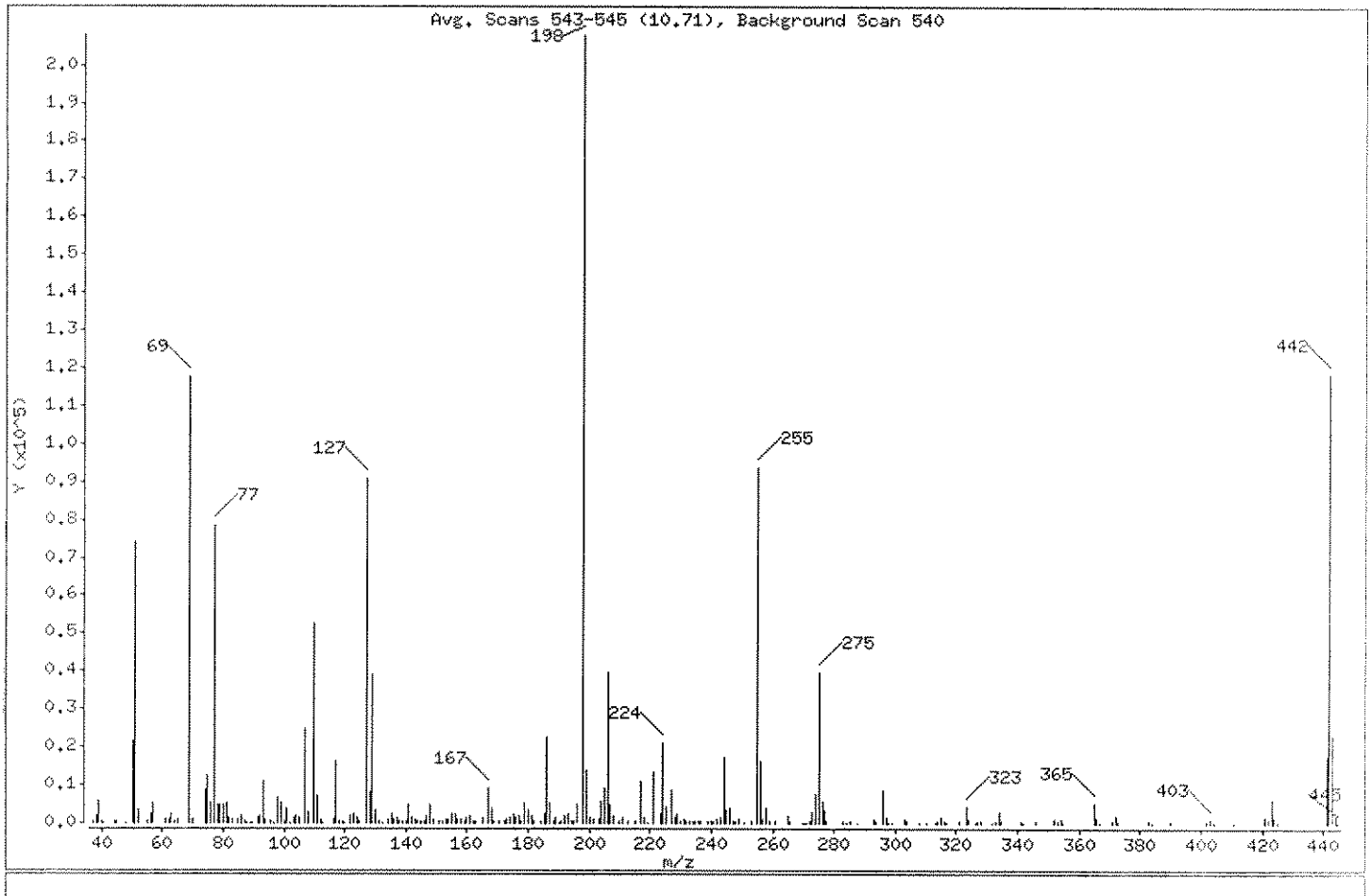
Sample Info: DF1228B1;;;;;10L0066

Operator: MEC

Column phase: DB5-MS

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	35.70
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	56.61
70	Less than 2.00% of mass 69	0.41 (0.73)
127	40.00 - 60.00% of mass 198	43.63
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.70
275	10.00 - 30.00% of mass 198	19.11
365	Greater than 1.00% of mass 198	2.56
441	Present, but less than mass 443	8.55
442	Greater than 40.00% of mass 198	57.07
443	17.00 - 23.00% of mass 442	10.96 (19.21)

12/30/

MJ 1/4/11

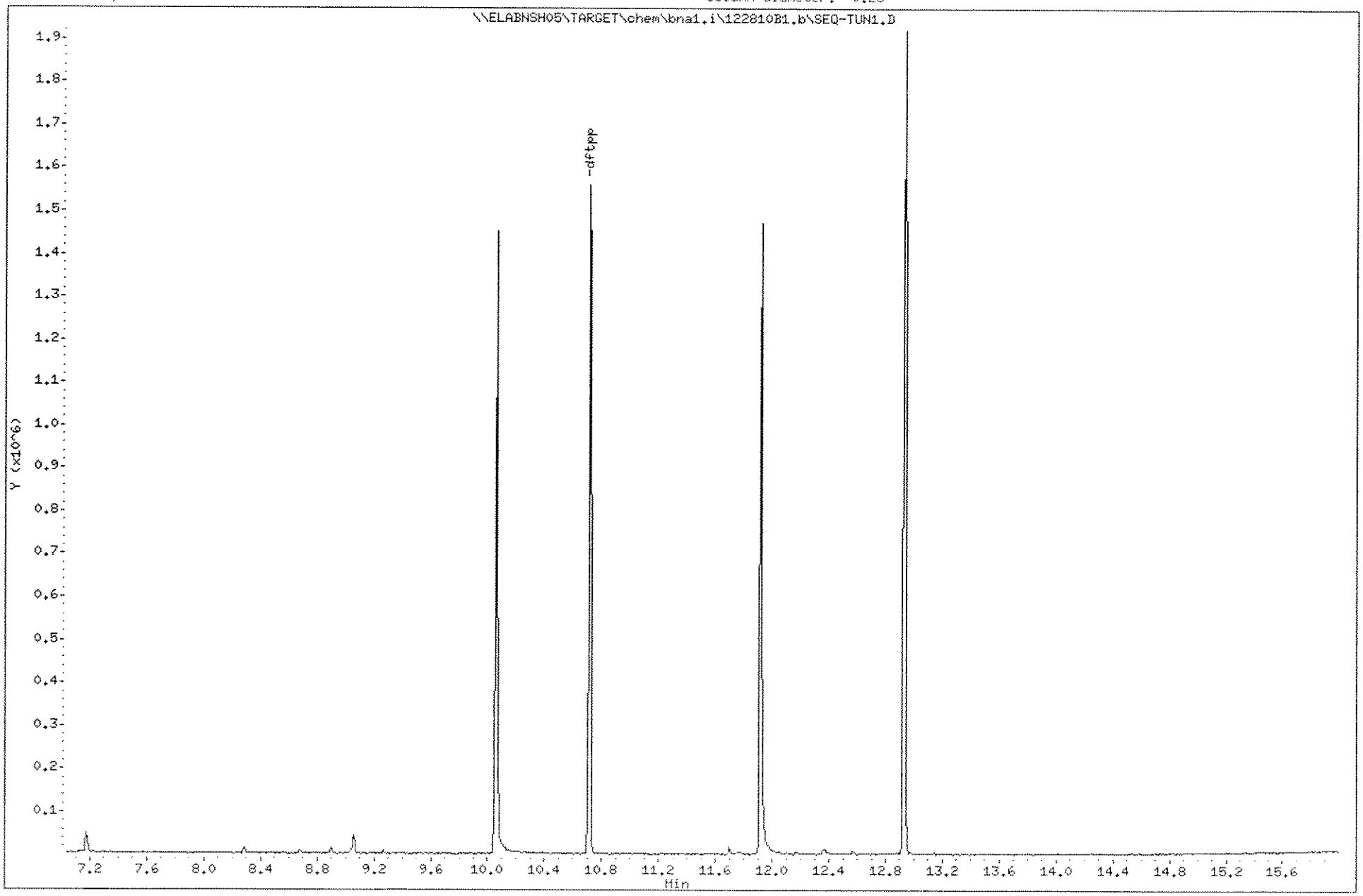
Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-TUN1.D
Date : 28-DEC-2010 15:18
Client ID: 50ppm DFTPP
Sample Info: DF1228B1;;;;;10L0066

Instrument: bna1.i

Operator: MEC

Column phase: DB5-MS

Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-TUN1.D

Date : 28-DEC-2010 15:18

Client ID: 50ppm DFTPP

Instrument: bna1.i

Sample Info: DF1228B1;;;;;10L0066

Operator: MEC

Column phase: DB5-MS

Column diameter: 0.25

Data File: SEQ-TUN1.D

Spectrum: Avg. Scans 543-545 (10.71), Background Scan 540

Location of Maximum: 197.90

Number of points: 253

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	446	124.00	1288	194.10	444	276.95	3198
38.10	1696	124.90	545	194.90	288	277.75	595
39.00	5974	127.00	90728	196.00	4671	282.85	701
40.00	537	128.00	7929	197.90	207936	284.05	114
41.05	142	129.00	39304	198.90	13939	285.05	515
44.05	535	130.00	3290	200.00	1249	287.70	107
44.75	280	130.90	662	201.40	904	293.00	927
48.15	109	132.30	182	203.00	723	293.70	262
50.05	21352	133.90	822	204.00	5557	295.90	8782
51.05	74224	135.05	2385	205.05	9179	296.90	1269
51.95	3262	135.95	901	206.05	39848	297.90	144
55.00	487	137.05	1509	206.95	4593	298.75	104
56.00	2484	137.95	338	207.95	1727	302.95	904
57.00	5110	138.95	640	209.95	513	303.85	386
61.10	921	139.85	473	210.85	1420	307.95	142
62.00	973	140.85	4724	212.95	307	309.95	161
63.00	2601	141.95	1464	214.85	291	313.10	207
64.10	352	142.95	998	217.00	11222	314.00	532
64.95	1027	143.95	320	218.00	1261	314.90	1420
68.95	117704	144.85	463	219.20	137	316.00	505
69.95	861	145.75	496	221.00	13378	316.90	142
74.05	8543	146.20	541	223.10	2257	321.00	338
74.95	12560	146.90	2013	224.00	21176	323.05	4234
76.10	5464	148.00	4671	225.00	4282	323.95	853
77.00	78576	148.90	907	226.90	8403	326.05	214
78.10	4900	151.00	446	228.00	1617	326.85	516
79.00	4913	151.90	537	228.95	2250	327.85	456
80.00	4804	152.90	1156	229.95	335	331.85	200
81.00	5343	154.00	791	230.95	773	333.05	294
82.00	1284	155.00	2154	231.85	423	333.90	2852
83.00	924	156.00	2484	233.05	341	334.90	399
85.00	930	157.00	1017	233.85	697	340.90	371
86.00	1865	157.95	918	234.95	697	341.80	175
86.90	713	158.95	518	235.95	463	345.95	541
87.75	132	159.95	1296	236.75	589	351.95	743

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-TUN1.D

Date : 28-DEC-2010 15:18

Client ID: 50ppm DFTPP

Instrument: bna1.i

Sample Info: DF1228B1;;;;;10L0066

Operator: MEC

Column phase: DB5-MS

Column diameter: 0.25

Data File: SEQ-TUN1.D

Spectrum: Avg. Scans 543-545 (10.71), Background Scan 540

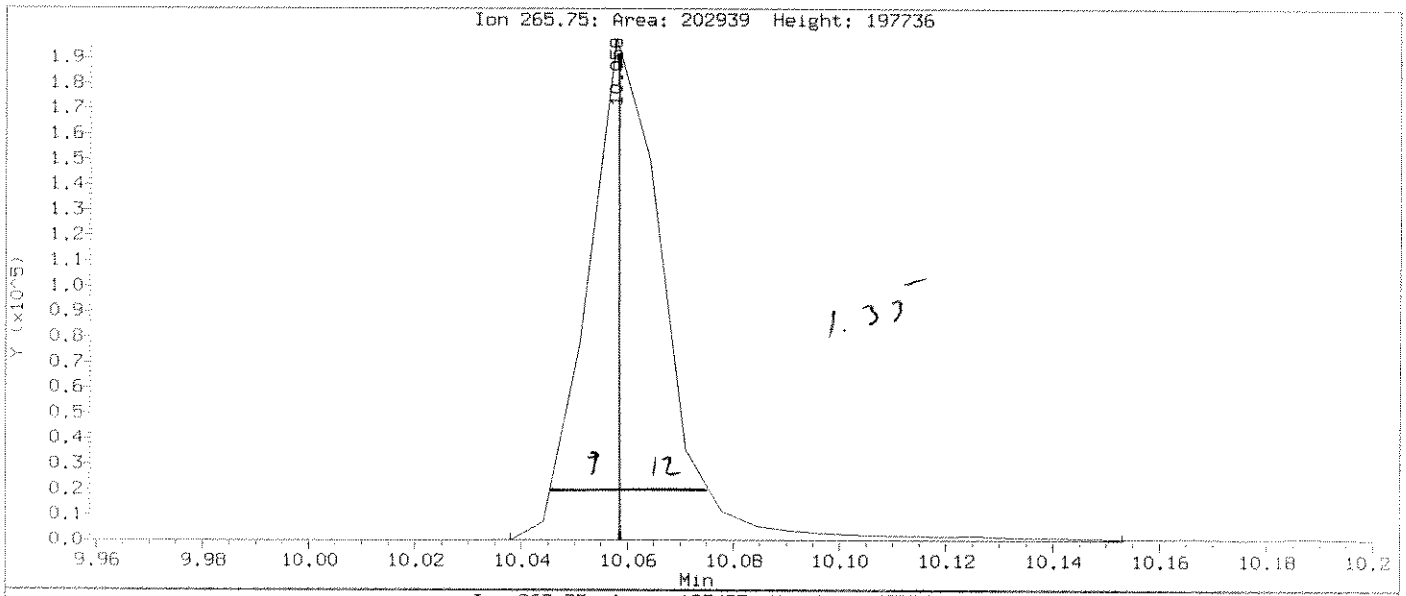
Location of Maximum: 197.90

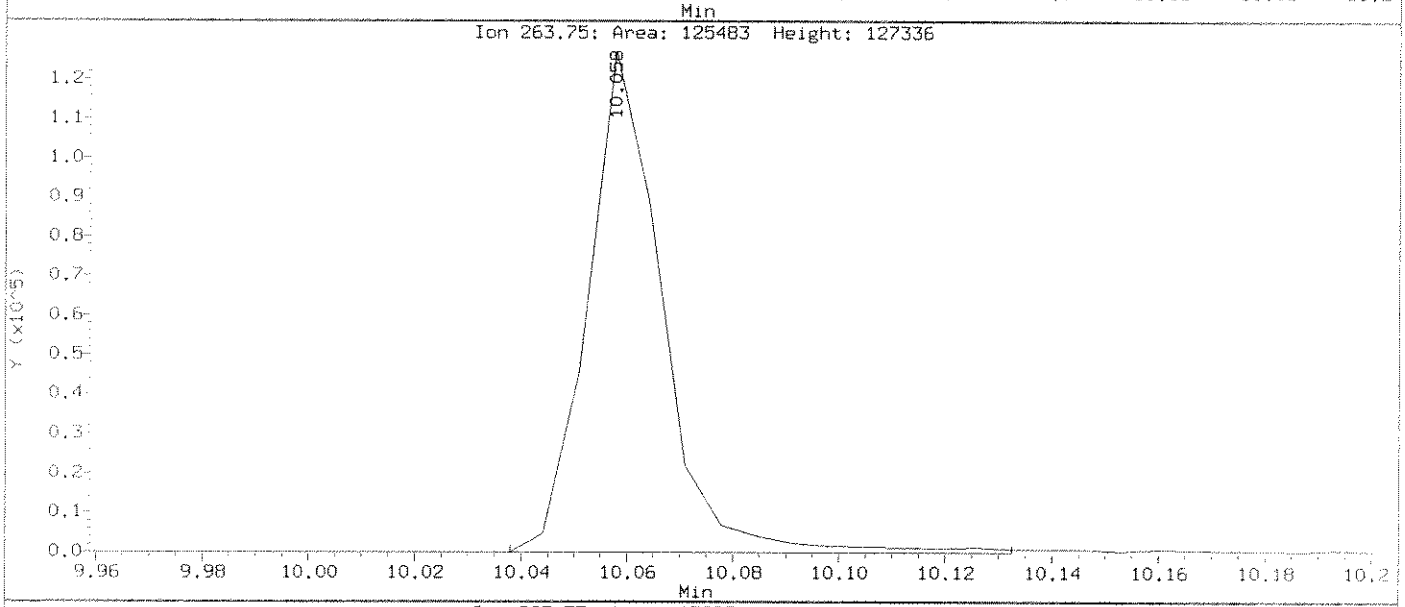
Number of points: 253

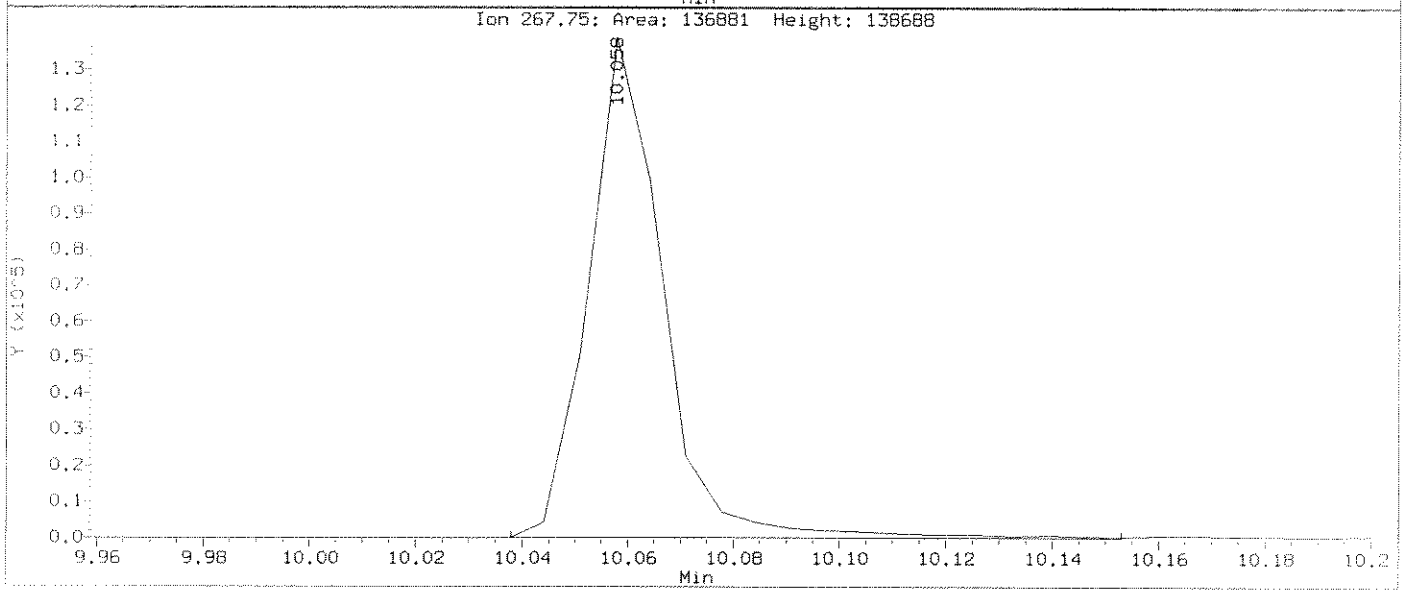
m/z	Y	m/z	Y	m/z	Y	m/z	Y
89.05	178	161.05	1676	238.85	431	352.95	709
89.75	229	161.95	647	239.90	480	354.05	1193
91.05	1602	162.85	264	240.80	349	354.75	130
92.05	1990	164.85	1495	242.00	809	364.90	5329
92.95	10798	166.95	8880	243.10	1627	365.80	606
93.95	844	167.95	3665	244.00	17112	366.80	184
95.75	505	168.75	413	245.00	3281	370.95	345
96.75	145	170.50	484	245.90	3645	372.05	1827
97.95	6530	172.00	587	246.90	653	372.95	412
98.95	5269	173.00	780	248.00	244	382.90	393
100.10	530	174.00	1513	248.90	869	384.00	179
101.00	3718	175.00	2469	250.80	220	389.70	303
101.90	104	176.00	1223	252.95	404	402.05	642
103.00	1464	177.00	1972	254.95	93728	402.85	780
104.00	1955	177.80	314	255.95	16029	404.00	218
104.90	1433	178.90	5240	256.95	1063	410.80	114
107.00	24808	180.00	3405	257.95	3846	420.95	1196
107.90	3046	180.90	2123	258.95	623	421.95	864
110.00	52432	181.75	333	260.85	280	422.95	6008
111.05	7177	183.95	498	264.90	1691	423.85	1390
112.05	788	185.05	2498	265.80	516	424.85	160
112.95	200	186.05	22248	269.70	132	441.05	17784
116.05	1189	186.95	5269	270.10	137	441.95	118672
116.95	16472	188.05	653	270.90	234	442.95	22800
117.95	674	188.95	1369	271.90	454	443.85	1686
119.15	407	189.95	198	272.90	2670	444.85	132
119.85	101	190.95	597	274.00	7885		
121.95	1882	191.85	2067	274.90	39736		
123.00	2601	193.10	2277	276.05	5572		

Data File: \\ELABNSHO5\TARGET\chem\bna1.i\122810B1.b\SEQ-TUN1ex.D
Injection Date: 28-DEC-2010 15:18
Instrument: bna1.i
Client Sample ID: 50ppm DFTPP

Compound: Pentachlorophenol
CAS Number: 87-86-5

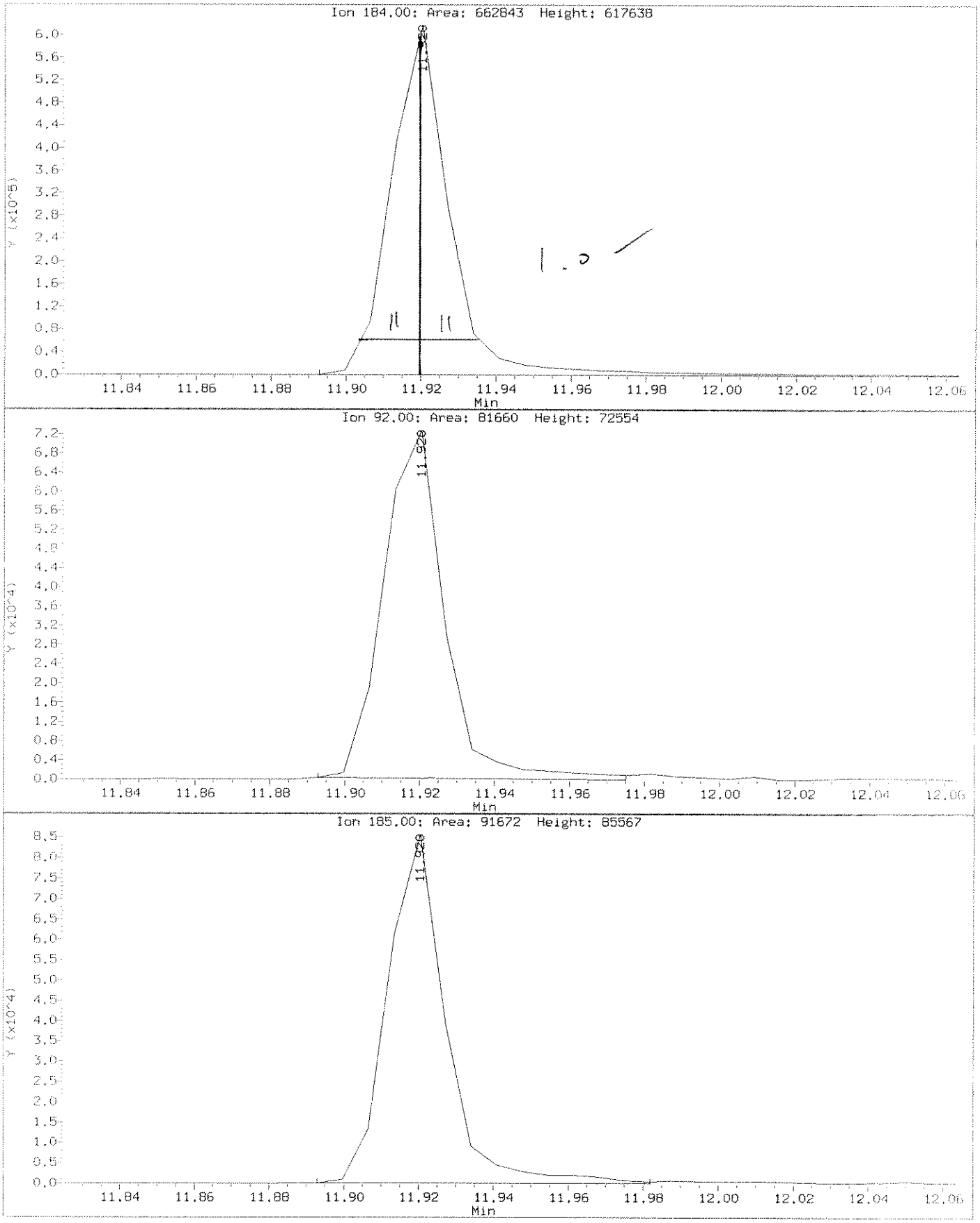






Data File: \\ELABNSHO5\TARGET\chem\bna1.i\122810B1.b\SEQ-TUN1ex.D
Injection Date: 28-DEC-2010 15:18
Instrument: bna1.i
Client Sample ID: 50ppm DFTPP

Compound: Benzidine
CAS Number: 92-87-5



Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-TUN1ex.D
Report Date: 30-Dec-2010 10:14

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-TUN1ex.D
Lab Smp Id: SEQ-TUN1 Client Smp ID: 50ppm DFTPP
Inj Date : 28-DEC-2010 15:18 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : DF1228B1;;;;;10L0066
Misc Info : ;;;;;;all.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\dftppbn1ex.m
Meth Date : 30-Dec-2010 10:14 mcobb Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Compounds	QUANT SIG MASS	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (ng/ul)	
1 Pentachlorophenol	266	10.057	10.081	-0.024	202939			
2 Benzidine	184	11.920	11.942	-0.022	662843			
4 4,4'-DDD	235	12.572	12.595	-0.023	1776			(Q)
5 4,4'-DDT	235	12.933	12.961	-0.028	396069			

QC Flag Legend

Q - Qualifier signal failed the ratio test.

DDT breakdown = $\frac{1776}{396069} \times 100 = 0.45\%$

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1.D
Report Date: 30-Dec-2010 10:25

Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: bna1.i
Lab File ID: SEQ-CCV1.D
Analysis Type:
Lab Sample ID: SEQ-CCV1
Method: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\IXBN1.m

Injection Date: 28-DEC-2010 15:41
Init. Cal. Date(s): 18-DEC-2010 19-DEC-2010
Init. Cal. Times: 18:25 03:11
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$	2 2-Fluorophenol	1.26818	1.25756	0.000	-0.8	0.0	
$	3 Phenol-d6	1.46980	1.45505	0.000	-1.0	0.0	
	4 Pyridine	1.49674	1.53061	0.000	2.3	0.0	
	5 1,4-Dioxane	0.57336	0.63141	0.050	10.1	0.0	
	6 N-Nitroso-di-methylamine	0.54045	0.61020	0.000	12.9	0.0	
	7 Aniline	1.81449	1.86917	0.000	3.0	0.0	
	10 Phenol	1.69783	1.56271	0.000	-8.0	20.0	
	11 bis(2-Chloroethyl)ether	1.28714	1.38587	0.000	7.7	0.0	
	12 2-Chlorophenol	1.37473	1.44521	0.000	5.1	0.0	
	13 1,3-Dichlorobenzene	1.50454	1.50356	0.000	-0.1	0.0	
	14 1,4-Dichlorobenzene	1.47931	1.43157	0.000	-3.2	20.0	
	15 Benzyl alcohol	0.74149	0.75350	0.000	1.6	0.0	
	16 1,2-Dichlorobenzene	1.41277	1.30762	0.000	-7.4	0.0	
	17 2-Methylphenol	1.09109	1.09846	0.000	0.7	0.0	
	18 2,2'-Oxybis-1-chloropropane	2.04252	1.98551	0.000	-2.8	0.0	
	19 3-Methylphenol	1.08473	1.19395	0.000	10.1	0.0	
	20 4-Methylphenol	1.08473	1.19395	0.000	10.1	0.0	
	21 N-Nitroso-di-n-propylamine	0.82161	0.92358	0.050	12.4	0.0	
	22 Hexachloroethane	0.57475	0.58637	0.000	2.0	0.0	
	32 Benzaldehyde	1.03035	0.52809	0.000	-48.7	0.0	Y
$	34 Nitrobenzene-d5	0.33785	0.38723	0.000	14.6	0.0	
	35 Nitrobenzene	0.34729	0.37989	0.000	9.4	0.0	
	39 Isophorone	0.70292	0.80591	0.000	14.7	0.0	
	40 2-Nitrophenol	0.20830	0.25069	0.000	20.4	20.0	X
	42 2,4-Dimethylphenol	0.31014	0.35029	0.000	12.9	0.0	
	43 Benzoic acid	50.00000	62.67096	0.000	-25.3	0.0	X
	44 bis(2-Chloroethoxy)methane	0.46196	0.47141	0.000	2.0	0.0	
	47 2,4-Dichlorophenol	0.30787	0.32593	0.000	5.9	20.0	
	62 2,6-Dichlorophenol	0.31270	0.31003	0.000	-0.9	0.0	
	50 1,2,4-Trichlorobenzene	0.37879	0.37437	0.000	-1.2	0.0	
	51 Naphthalene	0.96864	0.97012	0.000	0.2	0.0	
	52 4-Chloroaniline	0.46015	0.39622	0.000	-13.9	0.0	
	53 Hexachlorobutadiene	0.20055	0.19876	0.000	-0.9	20.0	
	54 4-Chloro-3-methylphenol	0.24569	0.29879	0.000	21.6	20.0	X
	55 2-Methylnaphthalene	0.52915	0.54311	0.000	2.6	0.0	
	56 1-Methylnaphthalene	0.54209	0.57263	0.000	5.6	0.0	

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1.D
Report Date: 30-Dec-2010 10:25

Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: bna1.i
Lab File ID: SEQ-CCV1.D
Analysis Type:
Lab Sample ID: SEQ-CCV1
Method: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\IXBN1.m

Injection Date: 28-DEC-2010 15:41
Init. Cal. Date(s): 18-DEC-2010 19-DEC-2010
Init. Cal. Times: 18:25 03:11
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	57 Acetophenone	1.49138	1.42518	0.000	-4.4	0.0	
	67 1,2,4,5-Tetrachlorobenzene	0.34289	0.29552	0.000	-13.8	0.0	
	68 Caprolactam	0.11692	0.14800	0.000	26.6	0.0	X
	70 Hexachlorocyclopentadiene	0.35938	0.34503	0.050	-4.0	0.0	
	71 2,4,6-Trichlorophenol	0.39353	0.39874	0.000	1.3	20.0	
	72 2,4,5-Trichlorophenol	0.42804	0.41734	0.000	-2.5	0.0	
	73 2-Chloronaphthalene	1.21554	1.26508	0.000	4.1	0.0	
$	74 2-Fluorobiphenyl	1.33588	1.26353	0.000	-5.4	0.0	
	75 2-Nitroaniline	0.29831	0.38613	0.000	29.4	0.0	X
	76 Dimethylphthalate	1.28734	1.25343	0.000	-2.6	0.0	
	77 Acenaphthylene	1.89110	1.70495	0.000	-9.8	0.0	
	78 2,6-Dinitrotoluene	0.34250	0.35582	0.000	3.9	0.0	
	79 3-Nitroaniline	0.37914	0.36072	0.000	-4.9	0.0	
	80 Acenaphthene	1.15821	1.07741	0.000	-7.0	20.0	
	81 2,4-Dinitrophenol	50.00000	63.49656	0.050	-27.0	0.0	X
	83 4-Nitrophenol	50.00000	59.30572	0.050	-18.6	0.0	
	84 Dibenzofuran	1.58975	1.52171	0.000	-4.3	0.0	
	85 2,4-Dinitrotoluene	50.00000	55.54187	0.000	-11.1	0.0	
	86 Diethylphthalate	1.34136	1.37022	0.000	2.2	0.0	
	87 4-Chlorophenyl-phenylether	0.64178	0.62149	0.000	-3.2	0.0	
	88 Fluorene	1.26940	1.21066	0.000	-4.6	0.0	
	89 4-Nitroaniline	0.27463	0.31871	0.000	16.0	0.0	
	96 2,3,4,6-Tetrachlorophenol	0.35426	0.35676	0.000	0.7	0.0	
	100 1,1'-Biphenyl	1.47403	1.16657	0.000	-20.9	0.0	Y
	103 1,2-Diphenylhydrazine	0.82079	0.79125	0.000	-3.6	0.0	
	104 Carbazole	0.97240	0.87473	0.000	-10.0	0.0	
	105 4,6-Dinitro-2-methylphenol	50.00000	52.05331	0.000	-4.1	0.0	
	106 N-Nitrosodiphenylamine	0.66833	0.63404	0.000	-5.1	20.0	
$	107 2,4,6-Tribromophenol	0.15357	0.14152	0.000	-7.8	0.0	
	108 4-Bromophenyl-phenylether	0.24832	0.24346	0.000	-2.0	0.0	
	109 Hexachlorobenzene	0.29336	0.29729	0.000	1.3	0.0	
	110 Pentachlorophenol	50.00000	53.02015	0.000	-6.0	20.0	
	111 Phenanthrene	1.07961	1.05740	0.000	-2.1	0.0	
	112 Anthracene	1.06189	1.12910	0.000	6.3	0.0	
	115 Di-n-butylphthalate	1.36318	1.36685	0.000	0.3	0.0	

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1.D
Report Date: 30-Dec-2010 10:25

Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: bna1.i Injection Date: 28-DEC-2010 15:41
Lab File ID: SEQ-CCV1.D Init. Cal. Date(s): 18-DEC-2010 19-DEC-2010
Analysis Type: Init. Cal. Times: 18:25 03:11
Lab Sample ID: SEQ-CCV1 Quant Type: ISTD
Method: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\IXBN1.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
116 Fluoranthene	1.10198	1.03249	0.000	-6.3	20.0	
129 Atrazine	0.21803	0.18789	0.000	-13.8	0.0	
133 Benzidine	50.00000	23.08874	0.000	53.8	0.0	Y
134 Pyrene	1.34600	1.22153	0.000	-9.2	0.0	
$ 135 Terphenyl-d14	0.86651	0.82220	0.000	-5.1	0.0	
136 Butylbenzylphthalate	0.62494	0.72174	0.000	15.5	0.0	
137 3,3'-Dichlorobenzidine	0.35614	0.28569	0.000	-19.8	0.0	
138 Benzo(a)anthracene	1.11889	1.07094	0.000	-4.3	0.0	
139 Chrysene	1.17179	1.14380	0.000	-2.4	0.0	
140 Bis(2-ethylhexyl)phthalate	0.78331	0.91546	0.000	16.9	0.0	
155 Di-n-octylphthalate	50.00000	63.63289	0.000	-27.3	20.0	X
156 Benzo(b)fluoranthene	1.09592	1.15143	0.000	5.1	0.0	
157 Benzo(k)fluoranthene	1.25789	1.36381	0.000	8.4	0.0	
158 Benzo(a)pyrene	1.00493	1.05104	0.000	4.6	20.0	
159 Indeno(1,2,3-cd)pyrene	0.84244	0.87578	0.000	4.0	0.0	
160 Dibenz(a,h)anthracene	50.00000	49.11505	0.000	1.8	0.0	
161 Benzo(g,h,i)perylene	0.75549	0.67113	0.000	-11.2	0.0	

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1.D
Report Date: 30-Dec-2010 10:25

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1.D
Lab Smp Id: SEQ-CCV1 Client Smp ID: SEQ-CCV1
Inj Date : 28-DEC-2010 15:41 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CCV50PPM;;;;;;10L0788
Misc Info : ;2;CCV;;;;ppbnax.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\IXBN1.m
Meth Date : 30-Dec-2010 10:21 mcobb Quant Type: ISTD
Cal Date : 19-DEC-2010 03:11 Cal File: SEQ-CALK.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ppbnax.sub
Target Version: 4.04
Processing Host: TARGET09_VM

M 1/4/11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.402	5.402	(1.000)	465685	40.0000	
$ 2 2-Fluorophenol	112	3.953	3.953	(0.732)	1464068	100.000	99.16
$ 3 Phenol-d6	99	5.061	5.061	(0.937)	1693985	100.000	99.00
4 Pyridine	79	2.344	2.344	(0.434)	890979	50.0000	51.13
5 1,4-Dioxane	88	1.970	1.970	(0.365)	367550	50.0000	55.06
6 N-Nitroso-di-methylamine	42	2.344	2.344	(0.434)	355204	50.0000	56.45
7 Aniline	93	5.040	5.040	(0.933)	1088057	50.0000	51.51
10 Phenol	94	5.074	5.074	(0.939)	909666	50.0000	46.02
11 bis(2-Chloroethyl)ether	93	5.136	5.136	(0.951)	806722	50.0000	53.84
12 2-Chlorophenol	128	5.170	5.170	(0.957)	841268	50.0000	52.56
13 1,3-Dichlorobenzene	146	5.340	5.340	(0.989)	875233	50.0000	49.97
14 1,4-Dichlorobenzene	146	5.423	5.423	(1.004)	833325	50.0000	48.39
15 Benzyl alcohol	108	5.600	5.600	(1.037)	438619	50.0000	50.81
16 1,2-Dichlorobenzene	146	5.593	5.593	(1.035)	761173	50.0000	46.28
17 2-Methylphenol	108	5.750	5.750	(1.064)	639422	50.0000	50.34
18 2,2'-Oxybis-1-chloropropane	45	5.757	5.757	(1.066)	1155780	50.0000	48.60
19 3-Methylphenol	108	5.934	5.934	(1.099)	695004	50.0000	55.03
20 4-Methylphenol	108	5.934	5.934	(1.099)	695004	50.0000	55.03
21 N-Nitroso-di-n-propylamine	70	5.914	5.914	(1.095)	537622	50.0000	56.20
22 Hexachloroethane	117	5.982	5.982	(1.107)	341329	50.0000	51.01
32 Benzaldehyde	106	4.904	4.904	(0.908)	307403	50.0000	25.63
* 33 Naphthalene-d8	136	6.890	6.890	(1.000)	1453545	40.0000	
$ 34 Nitrobenzene-d5	82	6.058	6.058	(0.879)	703565	50.0000	57.31
35 Nitrobenzene	77	6.078	6.078	(0.882)	690230	50.0000	54.69
39 Isophorone	82	6.371	6.371	(0.925)	1464284	50.0000	57.32
40 2-Nitrophenol	139	6.453	6.453	(0.937)	455494	50.0000	60.18

1/4/11

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1.D
Report Date: 30-Dec-2010 10:25

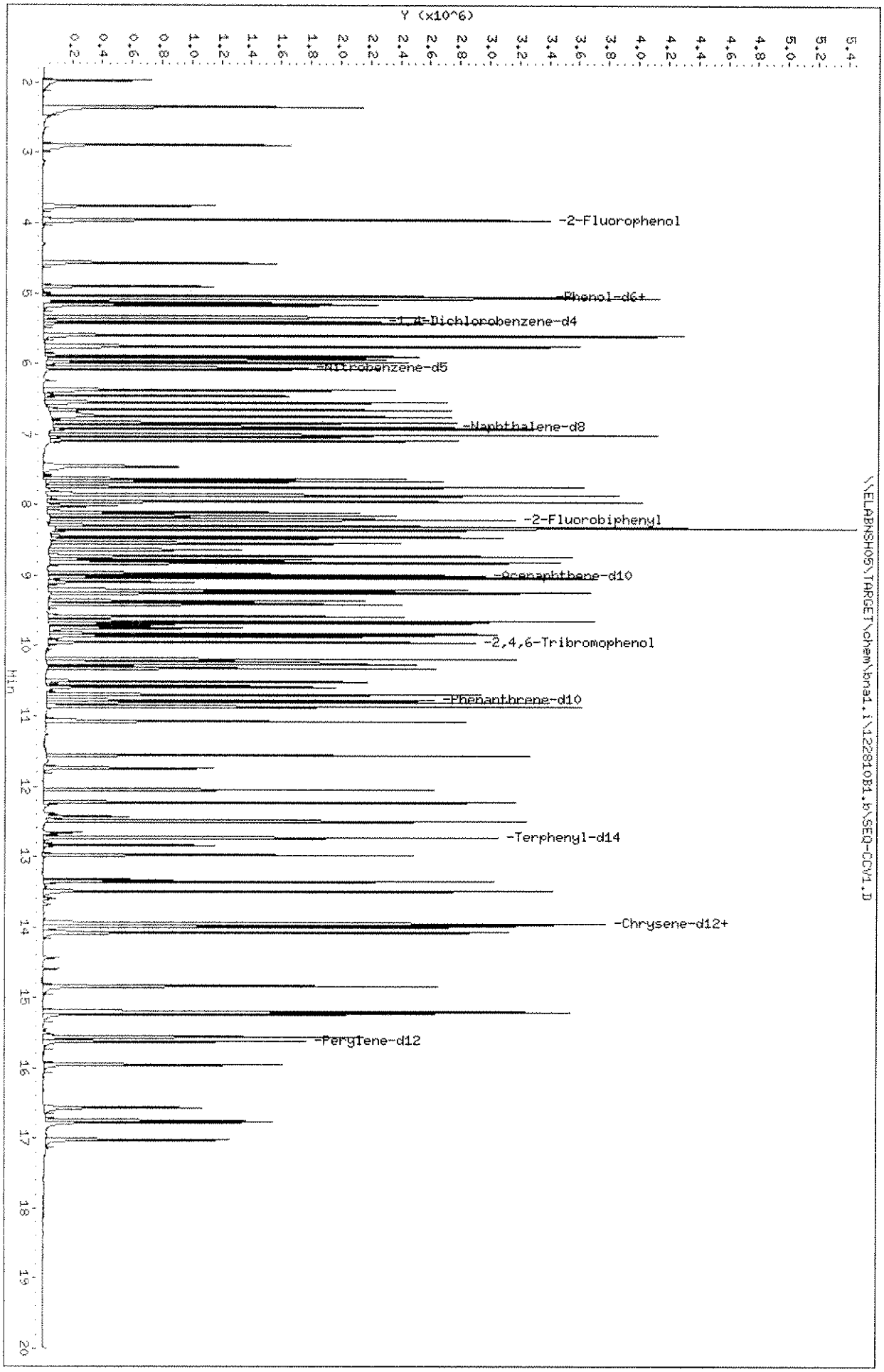
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
42 2,4-Dimethylphenol	107	6.549	6.549	(0.950)	636457	50.0000	56.47
43 Benzoic acid	105	6.733	6.733	(0.977)	400753	50.0000	62.67
44 bis(2-Chloroethoxy)methane	93	6.651	6.651	(0.965)	856520	50.0000	51.02
47 2,4-Dichlorophenol	162	6.747	6.747	(0.979)	592190	50.0000	52.93
62 2,6-Dichlorophenol	162	7.014	7.014	(1.018)	563298	50.0000	49.57
50 1,2,4-Trichlorobenzene	180	6.836	6.836	(0.992)	680206	50.0000	49.42
51 Naphthalene	128	6.918	6.918	(1.004)	1762639	50.0000	50.08
52 4-Chloroaniline	127	7.007	7.007	(1.017)	719904	50.0000	43.05
53 Hexachlorobutadiene	225	7.090	7.090	(1.029)	361133	50.0000	49.55
54 4-Chloro-3-methylphenol	107	7.630	7.630	(1.107)	542886	50.0000	60.80
55 2-Methylnaphthalene	141	7.746	7.746	(1.124)	986802	50.0000	51.32
56 1-Methylnaphthalene	141	7.862	7.862	(1.141)	1040436	50.0000	52.82
57 Acetophenone	105	5.893	5.893	(1.091)	829610	50.0000	47.78
67 1,2,4,5-Tetrachlorobenzene	216	7.957	7.957	(1.155)	536942	50.0000	43.09
68 Caprolactam	113	7.466	7.466	(1.084)	268898	50.0000	63.29
* 69 Acenaphthene-d10	164	8.995	8.995	(1.000)	798837	40.0000	
70 Hexachlorocyclopentadiene	237	7.957	7.957	(0.885)	344532	50.0000	48.00
71 2,4,6-Trichlorophenol	196	8.108	8.108	(0.901)	398162	50.0000	50.66
72 2,4,5-Trichlorophenol	196	8.149	8.149	(0.906)	416737	50.0000	48.75
73 2-Chloronaphthalene	162	8.328	8.328	(0.926)	1263238	50.0000	52.04
$ 74 2-Fluorobiphenyl	172	8.211	8.211	(0.913)	1261690	50.0000	47.29
75 2-Nitroaniline	65	8.472	8.472	(0.942)	385565	50.0000	64.72
76 Dimethylphthalate	163	8.726	8.726	(0.970)	1251607	50.0000	48.68(M)
77 Acenaphthylene	152	8.816	8.816	(0.980)	1702475	50.0000	45.08
78 2,6-Dinitrotoluene	165	8.775	8.775	(0.976)	355299	50.0000	51.94
79 3-Nitroaniline	138	8.974	8.974	(0.998)	360198	50.0000	47.57
80 Acenaphthene	153	9.036	9.036	(1.005)	1075845	50.0000	46.51
81 2,4-Dinitrophenol	184	9.098	9.098	(1.011)	207902	50.0000	63.50
83 4-Nitrophenol	65	9.214	9.214	(1.024)	218420	50.0000	59.30
84 Dibenzofuran	168	9.242	9.242	(1.027)	1519501	50.0000	47.86
85 2,4-Dinitrotoluene	165	9.256	9.256	(1.029)	445072	50.0000	55.54
86 Diethylphthalate	149	9.584	9.584	(1.066)	1368231	50.0000	51.08
87 4-Chlorophenyl-phenylether	204	9.673	9.673	(1.075)	620591	50.0000	48.42
88 Fluorene	166	9.652	9.652	(1.073)	1208902	50.0000	47.69
89 4-Nitroaniline	138	9.707	9.707	(1.079)	318244	50.0000	58.02
96 2,3,4,6-Tetrachlorophenol	232	9.406	9.406	(1.046)	356240	50.0000	50.35
100 1,1'-Biphenyl	154	8.321	8.321	(0.925)	1164871	50.0000	39.57
* 102 Phenanthrene-d10	188	10.774	10.774	(1.000)	1207334	40.0000	
103 1,2-Diphenylhydrazine	77	9.864	9.864	(0.916)	1194136	50.0000	48.20
104 Carbazole	167	11.075	11.075	(1.028)	1320121	50.0000	44.98
105 4,6-Dinitro-2-methylphenol	198	9.748	9.748	(0.905)	255209	50.0000	52.05
106 N-Nitrosodiphenylamine	169	9.831	9.831	(0.912)	956866	50.0000	47.43
$ 107 2,4,6-Tribromophenol	330	9.947	9.947	(0.923)	427158	100.000	92.15
108 4-Bromophenyl-phenylether	248	10.261	10.261	(0.952)	367421	50.0000	49.02
109 Hexachlorobenzene	284	10.321	10.321	(0.958)	448658	50.0000	50.67
110 Pentachlorophenol	266	10.568	10.568	(0.981)	279818	50.0000	53.02
111 Phenanthrene	178	10.807	10.807	(1.003)	1595795	50.0000	48.97

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1.D
Report Date: 30-Dec-2010 10:25

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
112 Anthracene	178	10.862	10.862	(1.008)	1703996	50.0000	53.16
115 Di-n-butylphthalate	149	11.562	11.562	(1.073)	2062805	50.0000	50.13
116 Fluoranthene	202	12.230	12.230	(1.135)	1558196	50.0000	46.85
129 Atrazine	200	10.507	10.507	(0.975)	283556	50.0000	43.09
* 132 Chrysene-d12	240	13.962	13.962	(1.000)	998348	40.0000	
133 Benzidine	184	12.429	12.429	(0.890)	313210	50.0000	23.09
134 Pyrene	202	12.497	12.497	(0.895)	1524394	50.0000	45.38
$ 135 Terphenyl-d14	244	12.729	12.729	(0.912)	1026054	50.0000	47.44
136 Butylbenzylphthalate	149	13.354	13.354	(0.956)	900681	50.0000	57.74
137 3,3'-Dichlorobenzidine	252	13.950	13.950	(0.999)	356527	50.0000	40.11
138 Benzo(a)anthracene	228	13.950	13.950	(0.999)	1336464	50.0000	47.86
139 Chrysene	228	13.994	13.994	(1.002)	1427394	50.0000	48.80
140 Bis(2-ethylhexyl)phthalate	149	14.074	14.074	(1.008)	1142436	50.0000	58.44
* 154 Perylene-d12	264	15.626	15.626	(1.000)	873642	40.0000	
155 Di-n-octylphthalate	149	14.840	14.840	(0.950)	1973433	50.0000	63.63
156 Benzo(b)fluoranthene	252	15.203	15.203	(0.973)	1257421	50.0000	52.53
157 Benzo(k)fluoranthene	252	15.236	15.236	(0.975)	1489347	50.0000	54.21
158 Benzo(a)pyrene	252	15.559	15.559	(0.996)	1147787	50.0000	52.29
159 Indeno(1,2,3-cd)pyrene	276	16.747	16.747	(1.072)	956392	50.0000	51.98
160 Dibenz(a,h)anthracene	278	16.766	16.766	(1.073)	783205	50.0000	49.12
161 Benzo(g,h,i)perylene	276	17.019	17.019	(1.089)	732909	50.0000	44.42

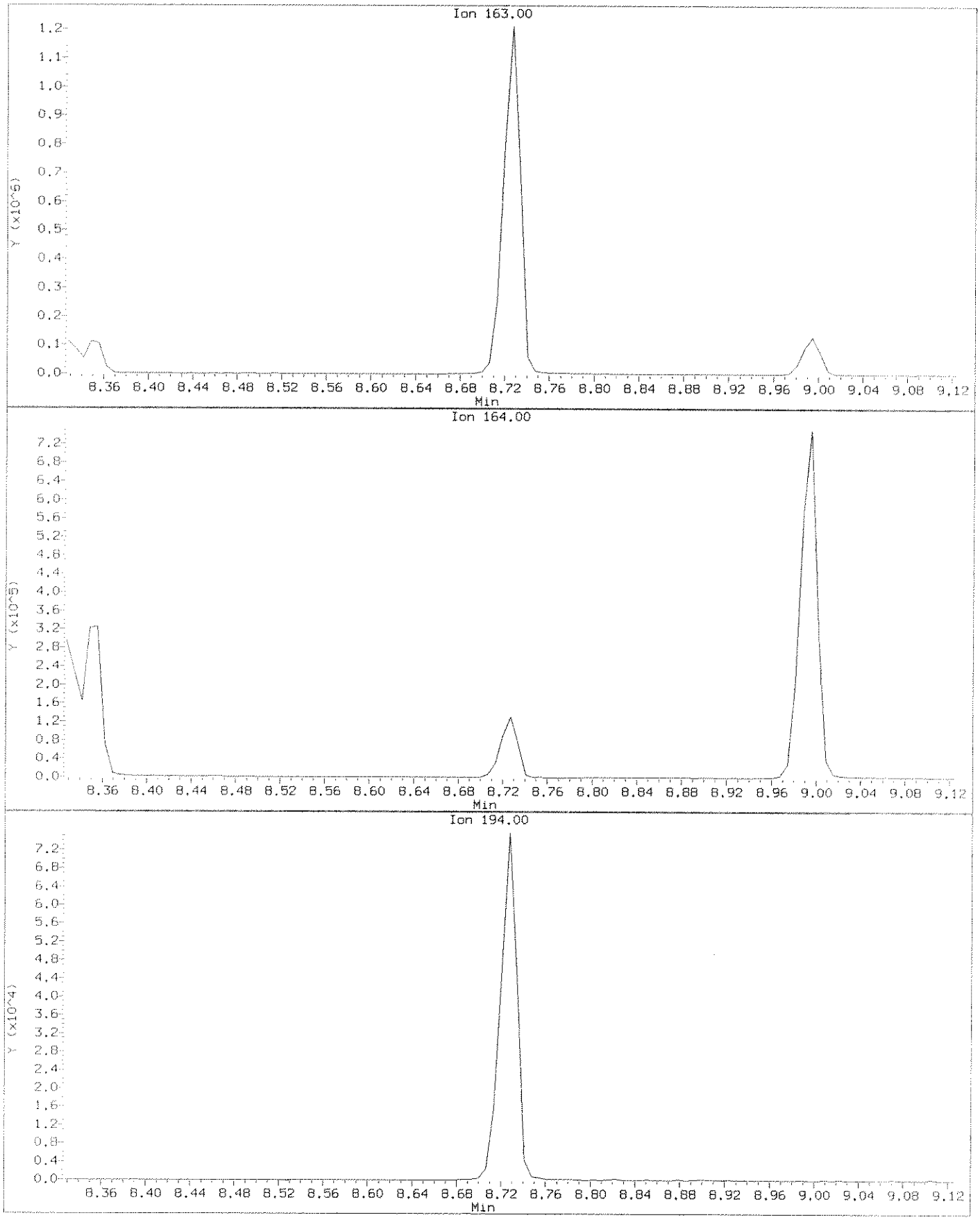
QC Flag Legend

M - Compound response manually integrated.


Data File: \\ELABNSHO5\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1.D
Date : 28-DEC-2010 15:41
Client ID: SEQ-CCV1
Sample Info: CCV50PPM;;;;;;10L0786
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6+
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
\\ELABNSHO5\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1.D

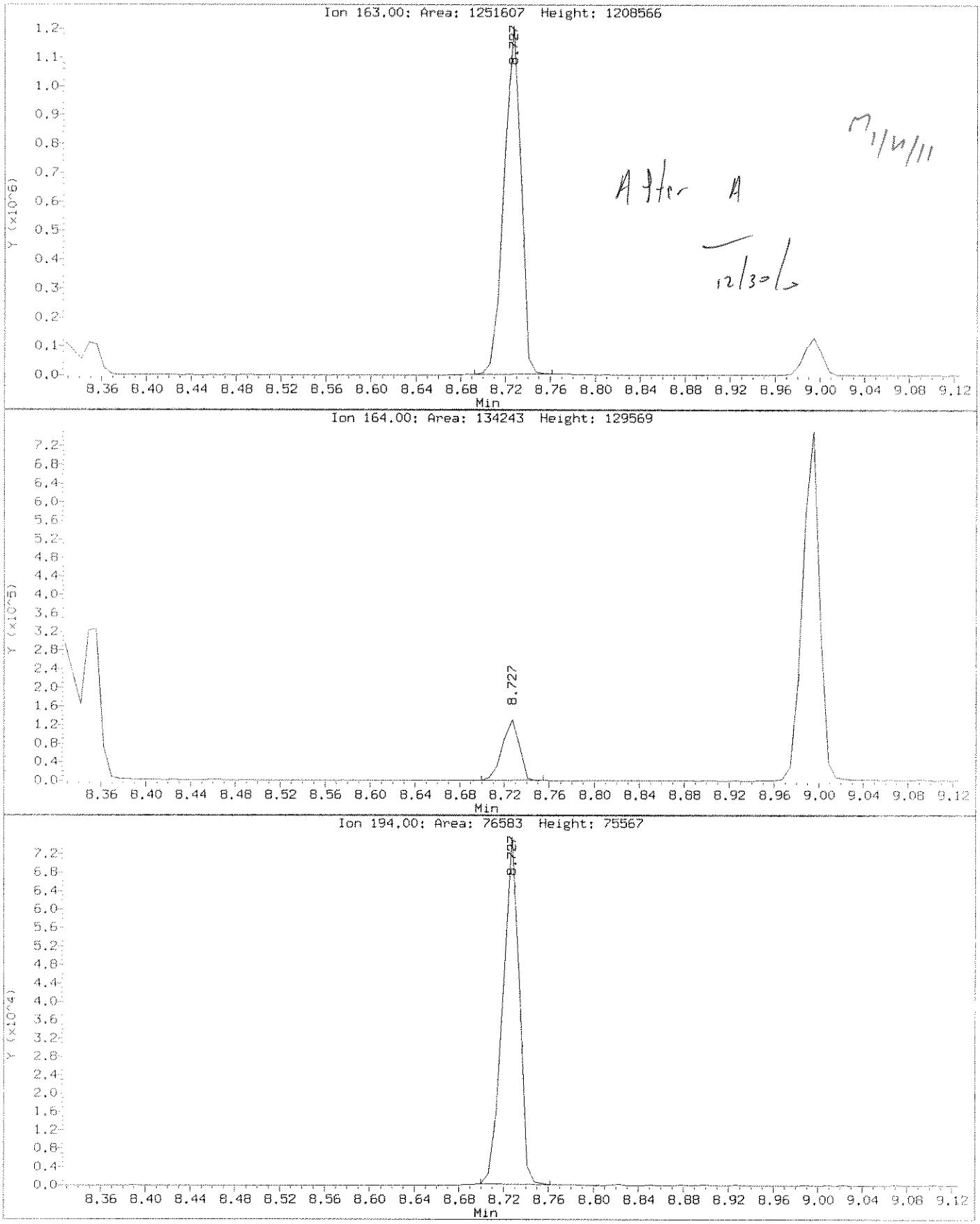
Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1.D
Injection Date: 28-DEC-2010 15:41
Instrument: bna1.i
Client Sample ID: SEQ-CCV1

Compound: Dimethylphthalate
CAS Number: 131-11-3



Data File: \\ELABNSHO5\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1.D
Injection Date: 28-DEC-2010 15:41
Instrument: bna1.i
Client Sample ID: SEQ-CCV1

Compound: Dimethylphthalate
CAS Number: 131-11-3



Data File: \\ELABNSH05\TARGET\chem\bnal.i\122810B1.b\SEQ-CCV1x.D
Report Date: 30-Dec-2010 10:49

Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: bnal.i Injection Date: 28-DEC-2010 15:41
Lab File ID: SEQ-CCV1x.D Init. Cal. Date(s): 18-DEC-2010 19-DEC-2010
Analysis Type: Init. Cal. Times: 18:25 03:11
Lab Sample ID: SEQ-CCV1 Quant Type: ISTD
Method: \\ELABNSH05\TARGET\chem\bnal.i\122810B1.b\IXBN1D.m

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
$ 2 2-Fluorophenol	1.26818	1.25756	0.010	-0.8	20.0	
$ 3 Phenol-d6	1.46980	1.45505	0.010	-1.0	20.0	
4 Pyridine	1.49674	1.53061	0.010	2.3	20.0	
5 1,4-Dioxane	0.57336	0.63141	0.010	10.1	20.0	
6 N-Nitroso-di-methylamine	0.54045	0.61020	0.010	12.9	20.0	
7 Aniline	1.81449	1.86917	0.010	3.0	20.0	
10 Phenol	1.69783	1.56271	0.800	-8.0	20.0	
11 bis(2-Chloroethyl)ether	1.28714	1.38587	0.700	7.7	20.0	
12 2-Chlorophenol	1.37473	1.44521	0.800	5.1	20.0	
13 1,3-Dichlorobenzene	1.50454	1.50356	0.010	-0.1	20.0	
14 1,4-Dichlorobenzene	1.47931	1.43157	0.010	-3.2	20.0	
15 Benzyl alcohol	0.74149	0.75350	0.010	1.6	20.0	
16 1,2-Dichlorobenzene	1.41277	1.30762	0.010	-7.4	20.0	
17 2-Methylphenol	1.09109	1.09846	0.700	0.7	20.0	
18 2,2'-Oxybis-1-chloropropane	2.04252	1.98551	0.010	-2.8	20.0	
19 3-Methylphenol	1.08473	1.19395	0.600	10.1	20.0	
20 4-Methylphenol	1.08473	1.19395	0.600	10.1	20.0	
21 N-Nitroso-di-n-propylamine	0.82161	0.92358	0.500	12.4	20.0	
22 Hexachloroethane	0.57475	0.58637	0.300	2.0	20.0	
32 Benzaldehyde	1.03035	0.52809	0.010	-48.7	20.0	<- Y
$ 34 Nitrobenzene-d5	0.33785	0.38723	0.010	14.6	20.0	
35 Nitrobenzene	0.34729	0.37989	0.200	9.4	20.0	
39 Isophorone	0.70292	0.80591	0.400	14.7	20.0	
40 2-Nitrophenol	0.20830	0.25069	0.100	20.4	20.0	<- X
42 2,4-Dimethylphenol	0.31014	0.35029	0.200	12.9	20.0	
43 Benzoic acid	50.00000	62.67090	0.010	-25.3	20.0	<- X
44 bis(2-Chloroethoxy)methane	0.46196	0.47141	0.300	2.0	20.0	
47 2,4-Dichlorophenol	0.30787	0.32593	0.200	5.9	20.0	
62 2,6-Dichlorophenol	0.31270	0.31003	0.010	-0.9	20.0	
50 1,2,4-Trichlorobenzene	0.37879	0.37437	0.010	-1.2	20.0	
51 Naphthalene	0.96864	0.97012	0.700	0.2	20.0	
52 4-Chloroaniline	0.46015	0.39622	0.010	-13.9	20.0	
53 Hexachlorobutadiene	0.20055	0.19876	0.010	-0.9	20.0	
54 4-Chloro-3-methylphenol	0.24569	0.29879	0.200	21.6	20.0	<- X
55 2-Methylnaphthalene	0.52915	0.54311	0.400	2.6	20.0	
56 1-Methylnaphthalene	0.54209	0.57263	0.010	5.6	20.0	

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1x.D
Report Date: 30-Dec-2010 10:49

Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: bna1.i
Lab File ID: SEQ-CCV1x.D
Analysis Type:
Lab Sample ID: SEQ-CCV1
Method: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\IXBN1D.m

Injection Date: 28-DEC-2010 15:41
Init. Cal. Date(s): 18-DEC-2010 19-DEC-2010
Init. Cal. Times: 18:25 03:11
Quant Type: ISTD

	COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
	57 Acetophenone	1.49138	1.42519	0.010	-4.4	20.0	
	67 1,2,4,5-Tetrachlorobenzene	0.34289	0.29552	0.010	-13.8	20.0	
	68 Caprolactam	0.11692	0.14800	0.010	26.6	20.0	<- X
	70 Hexachlorocyclopentadiene	0.35938	0.34503	0.050	-4.0	20.0	
	71 2,4,6-Trichlorophenol	0.39353	0.39874	0.200	1.3	20.0	
	72 2,4,5-Trichlorophenol	0.42804	0.41734	0.200	-2.5	20.0	
	73 2-Chloronaphthalene	1.21554	1.26508	0.800	4.1	20.0	
$	74 2-Fluorobiphenyl	1.33588	1.26353	0.010	-5.4	20.0	
	75 2-Nitroaniline	0.29831	0.38613	0.010	29.4	20.0	<- X
	76 Dimethylphthalate	1.28734	1.25343	0.010	-2.6	20.0	
	77 Acenaphthylene	1.89110	1.70495	0.900	-9.8	20.0	
	78 2,6-Dinitrotoluene	0.34250	0.35582	0.200	3.9	20.0	
	79 3-Nitroaniline	0.37914	0.36072	0.010	-4.9	20.0	
	80 Acenaphthene	1.15821	1.07741	0.900	-7.0	20.0	
	81 2,4-Dinitrophenol	50.00000	63.49635	0.010	-27.0	20.0	<- X
	83 4-Nitrophenol	50.00000	59.30558	0.010	-18.6	20.0	
	84 Dibenzofuran	1.58975	1.52171	0.800	-4.3	20.0	
	85 2,4-Dinitrotoluene	50.00000	55.54187	0.200	-11.1	20.0	
	86 Diethylphthalate	1.34136	1.37022	0.010	2.2	20.0	
	87 4-Chlorophenyl-phenylether	0.64178	0.62149	0.400	-3.2	20.0	
	88 Fluorene	1.26940	1.21066	0.900	-4.6	20.0	
	89 4-Nitroaniline	0.27463	0.31871	0.010	16.0	20.0	
	96 2,3,4,6-Tetrachlorophenol	0.35426	0.35676	0.010	0.7	20.0	
	100 1,1'-Biphenyl	1.47403	1.16657	0.010	-20.9	20.0	<- Y
	103 1,2-Diphenylhydrazine	0.82079	0.79125	0.010	-3.6	20.0	
	104 Carbazole	0.97240	0.87473	0.010	-10.0	20.0	
	105 4,6-Dinitro-2-methylphenol	50.00000	52.05334	0.010	-4.1	20.0	
	106 N-Nitrosodiphenylamine	0.66833	0.63404	0.010	-5.1	20.0	
$	107 2,4,6-Tribromophenol	0.15357	0.14152	0.010	-7.8	20.0	
	108 4-Bromophenyl-phenylether	0.24832	0.24346	0.100	-2.0	20.0	
	109 Hexachlorobenzene	0.29336	0.29729	0.100	1.3	20.0	
	110 Pentachlorophenol	50.00000	53.02010	0.050	-6.0	20.0	
	111 Phenanthrene	1.07961	1.05740	0.700	-2.1	20.0	
	112 Anthracene	1.06189	1.12910	0.700	6.3	20.0	
	115 Di-n-butylphthalate	1.36318	1.36685	0.010	0.3	20.0	

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1x.D
Report Date: 30-Dec-2010 10:49

Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: bna1.i
Lab File ID: SEQ-CCV1x.D
Analysis Type:
Lab Sample ID: SEQ-CCV1
Method: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\IXBN1D.m

Injection Date: 28-DEC-2010 15:41
Init. Cal. Date(s): 18-DEC-2010 19-DEC-2010
Init. Cal. Times: 18:25 03:11
Quant Type: ISTD

COMPOUND	RRF	RF50	MIN RRF	%D	MAX %D	
116 Fluoranthene	1.10198	1.03249	0.600	-6.3	20.0	
129 Atrazine	0.21803	0.18789	0.010	-13.8	20.0	
133 Benzidine	50.00000	23.08873	0.010	53.8	20.0	<- Y
134 Pyrene	1.34600	1.22153	0.600	-9.2	20.0	
$ 135 Terphenyl-d14	0.86651	0.82220	0.010	-5.1	20.0	
136 Butylbenzylphthalate	0.62494	0.72174	0.010	15.5	20.0	
137 3,3'-Dichlorobenzidine	0.35614	0.28569	0.010	-19.8	20.0	
138 Benzo(a)anthracene	1.11889	1.07094	0.800	-4.3	20.0	
139 Chrysene	1.17179	1.14380	0.700	-2.4	20.0	
140 Bis(2-ethylhexyl)phthalate	0.78331	0.91546	0.010	16.9	20.0	
155 Di-n-octylphthalate	50.00000	63.63287	0.010	-27.3	20.0	<- X
156 Benzo(b)fluoranthene	1.09592	1.15143	0.700	5.1	20.0	
157 Benzo(k)fluoranthene	1.25789	1.36381	0.700	8.4	20.0	
158 Benzo(a)pyrene	1.00493	1.05104	0.700	4.6	20.0	
159 Indeno(1,2,3-cd)pyrene	0.84244	0.87577	0.500	4.0	20.0	
160 Dibenz(a,h)anthracene	50.00000	49.11503	0.400	1.8	20.0	
161 Benzo(g,h,i)perylene	0.75549	0.67113	0.500	-11.2	20.0	

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1x.D
Report Date: 30-Dec-2010 10:49

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1x.D
Lab Smp Id: SEQ-CCV1 Client Smp ID: SEQ-CCV1
Inj Date : 28-DEC-2010 15:41 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : CCV50PPM;;;;;;10L0788
Misc Info : ;2;CCV;;;;ppbnax.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\IXBN1D.m
Meth Date : 30-Dec-2010 10:49 mcobb Quant Type: ISTD
Cal Date : 19-DEC-2010 03:11 Cal File: SEQ-CALK.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ppbnax.sub
Target Version: 4.04
Processing Host: TARGET09_VM

M 1/4/11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	ON-COL (ng/ul)
* 1 1,4-Dichlorobenzene-d4	152	5.402	5.402	(1.000)	465685	40.0000	
$ 2 2-Fluorophenol	112	3.953	3.953	(0.732)	1464068	100.000	99.16
$ 3 Phenol-d6	99	5.061	5.061	(0.937)	1693985	100.000	99.00
4 Pyridine	79	2.344	2.344	(0.434)	890979	50.0000	51.13
5 1,4-Dioxane	88	1.970	1.970	(0.365)	367550	50.0000	55.06
6 N-Nitroso-di-methylamine	42	2.344	2.344	(0.434)	355204	50.0000	56.45
7 Aniline	93	5.040	5.040	(0.933)	1088057	50.0000	51.51
10 Phenol	94	5.074	5.074	(0.939)	909666	50.0000	46.02
11 bis(2-Chloroethyl)ether	93	5.136	5.136	(0.951)	806722	50.0000	53.84
12 2-Chlorophenol	128	5.170	5.170	(0.957)	841268	50.0000	52.56
13 1,3-Dichlorobenzene	146	5.340	5.340	(0.989)	875233	50.0000	49.97
14 1,4-Dichlorobenzene	146	5.423	5.423	(1.004)	833325	50.0000	48.39
15 Benzyl alcohol	108	5.600	5.600	(1.037)	438619	50.0000	50.81
16 1,2-Dichlorobenzene	146	5.593	5.593	(1.035)	761173	50.0000	46.28
17 2-Methylphenol	108	5.750	5.750	(1.064)	639422	50.0000	50.34
18 2,2'-Oxybis-1-chloropropane	45	5.757	5.757	(1.066)	1155780	50.0000	48.60
19 3-Methylphenol	108	5.934	5.934	(1.099)	695004	50.0000	55.03
20 4-Methylphenol	108	5.934	5.934	(1.099)	695004	50.0000	55.03
21 N-Nitroso-di-n-propylamine	70	5.914	5.914	(1.095)	537622	50.0000	56.20
22 Hexachloroethane	117	5.982	5.982	(1.107)	341329	50.0000	51.01
32 Benzaldehyde	106	4.904	4.904	(0.908)	307403	50.0000	25.63
* 33 Naphthalene-d8	136	6.890	6.890	(1.000)	1453545	40.0000	
$ 34 Nitrobenzene-d5	82	6.058	6.058	(0.879)	703565	50.0000	57.31
35 Nitrobenzene	77	6.078	6.078	(0.882)	690230	50.0000	54.69
39 Isophorone	82	6.371	6.371	(0.925)	1464284	50.0000	57.32
40 2-Nitrophenol	139	6.453	6.453	(0.937)	455494	50.0000	60.18

12/30

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1x.D
Report Date: 30-Dec-2010 10:49

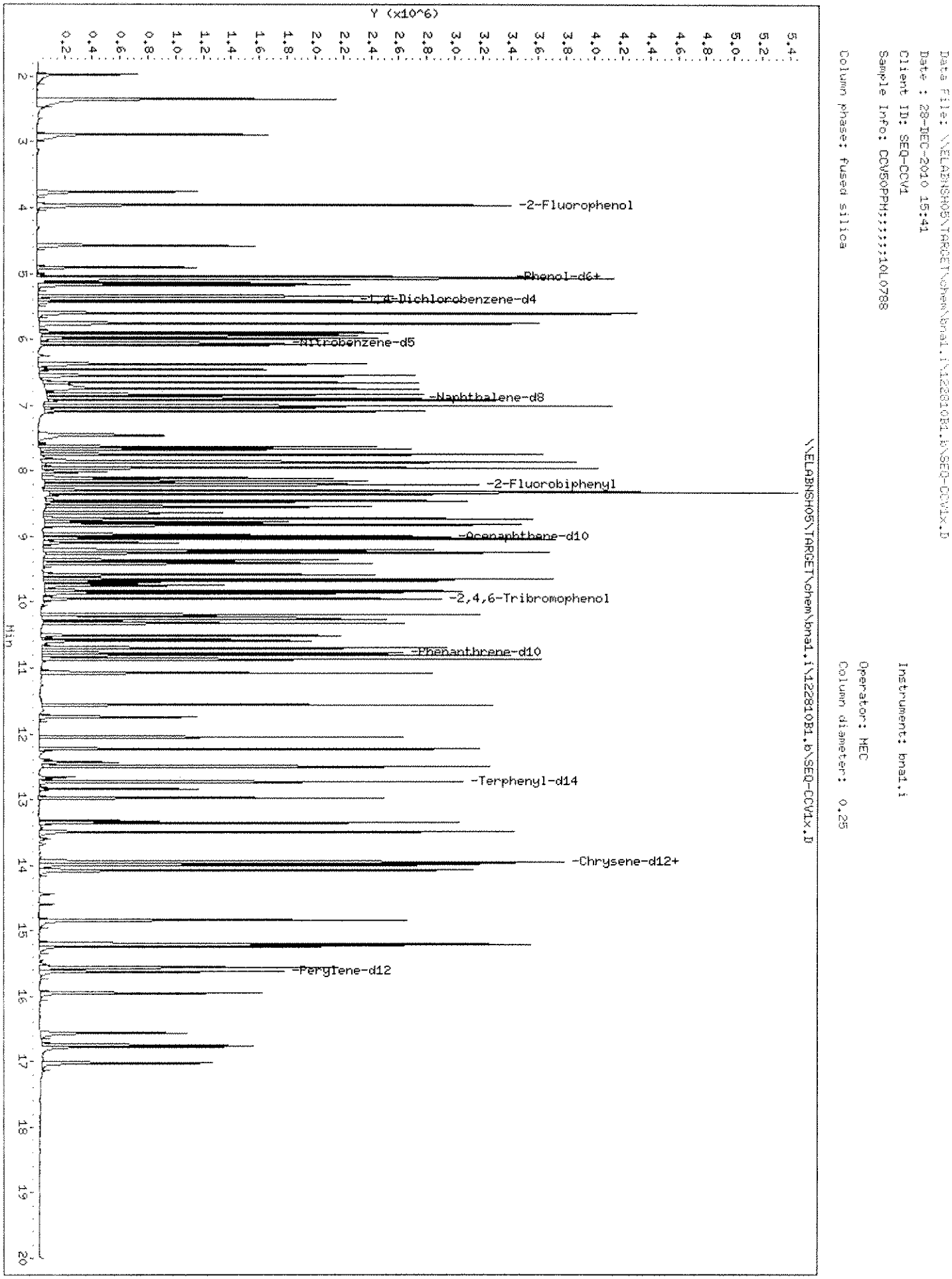
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
	42 2,4-Dimethylphenol	107	6.549	6.549	(0.950)	636457	50.0000	56.47
	43 Benzoic acid	105	6.733	6.733	(0.977)	400753	50.0000	62.67
	44 bis(2-Chloroethoxy)methane	93	6.651	6.651	(0.965)	856520	50.0000	51.02
	47 2,4-Dichlorophenol	162	6.747	6.747	(0.979)	592190	50.0000	52.93
	62 2,6-Dichlorophenol	162	7.014	7.014	(1.018)	563298	50.0000	49.57
	50 1,2,4-Trichlorobenzene	180	6.836	6.836	(0.992)	680206	50.0000	49.42
	51 Naphthalene	128	6.918	6.918	(1.004)	1762639	50.0000	50.08
	52 4-Chloroaniline	127	7.007	7.007	(1.017)	719904	50.0000	43.05
	53 Hexachlorobutadiene	225	7.090	7.090	(1.029)	361133	50.0000	49.55
	54 4-Chloro-3-methylphenol	107	7.630	7.630	(1.107)	542886	50.0000	60.80
	55 2-Methylnaphthalene	141	7.746	7.746	(1.124)	986802	50.0000	51.32
	56 1-Methylnaphthalene	141	7.862	7.862	(1.141)	1040436	50.0000	52.82
	57 Acetophenone	105	5.893	5.893	(1.091)	829610	50.0000	47.78
	67 1,2,4,5-Tetrachlorobenzene	216	7.957	7.957	(1.155)	536942	50.0000	43.09
	68 Caprolactam	113	7.466	7.466	(1.084)	268898	50.0000	63.29
*	69 Acenaphthene-d10	164	8.995	8.995	(1.000)	798837	40.0000	
	70 Hexachlorocyclopentadiene	237	7.957	7.957	(0.885)	344532	50.0000	48.00
	71 2,4,6-Trichlorophenol	196	8.108	8.108	(0.901)	398162	50.0000	50.66
	72 2,4,5-Trichlorophenol	196	8.149	8.149	(0.906)	416737	50.0000	48.75
	73 2-Chloronaphthalene	162	8.328	8.328	(0.926)	1263238	50.0000	52.04
$	74 2-Fluorobiphenyl	172	8.211	8.211	(0.913)	1261690	50.0000	47.29
	75 2-Nitroaniline	65	8.472	8.472	(0.942)	385565	50.0000	64.72
	76 Dimethylphthalate	163	8.726	8.726	(0.970)	1251607	50.0000	48.68(M)
	77 Acenaphthylene	152	8.816	8.816	(0.980)	1702475	50.0000	45.08
	78 2,6-Dinitrotoluene	165	8.775	8.775	(0.976)	355299	50.0000	51.94
	79 3-Nitroaniline	138	8.974	8.974	(0.998)	360198	50.0000	47.57
	80 Acenaphthene	153	9.036	9.036	(1.005)	1075845	50.0000	46.51
	81 2,4-Dinitrophenol	184	9.098	9.098	(1.011)	207902	50.0000	63.50
	83 4-Nitrophenol	65	9.214	9.214	(1.024)	218420	50.0000	59.30
	84 Dibenzofuran	168	9.242	9.242	(1.027)	1519501	50.0000	47.86
	85 2,4-Dinitrotoluene	165	9.256	9.256	(1.029)	445072	50.0000	55.54
	86 Diethylphthalate	149	9.584	9.584	(1.066)	1368231	50.0000	51.08
	87 4-Chlorophenyl-phenylether	204	9.673	9.673	(1.075)	620591	50.0000	48.42
	88 Fluorene	166	9.652	9.652	(1.073)	1208902	50.0000	47.69
	89 4-Nitroaniline	138	9.707	9.707	(1.079)	318244	50.0000	58.02
	96 2,3,4,6-Tetrachlorophenol	232	9.406	9.406	(1.046)	356240	50.0000	50.35
	100 1,1'-Biphenyl	154	8.321	8.321	(0.925)	1164871	50.0000	39.57
*	102 Phenanthrene-d10	188	10.774	10.774	(1.000)	1207334	40.0000	
	103 1,2-Diphenylhydrazine	77	9.864	9.864	(0.916)	1194136	50.0000	48.20
	104 Carbazole	167	11.075	11.075	(1.028)	1320121	50.0000	44.98
	105 4,6-Dinitro-2-methylphenol	198	9.748	9.748	(0.905)	255209	50.0000	52.05
	106 N-Nitrosodiphenylamine	169	9.831	9.831	(0.912)	956866	50.0000	47.43
$	107 2,4,6-Tribromophenol	330	9.947	9.947	(0.923)	427158	100.000	92.15
	108 4-Bromophenyl-phenylether	248	10.261	10.261	(0.952)	367421	50.0000	49.02
	109 Hexachlorobenzene	284	10.321	10.321	(0.958)	448658	50.0000	50.67
	110 Pentachlorophenol	266	10.568	10.568	(0.981)	279818	50.0000	53.02
	111 Phenanthrene	178	10.807	10.807	(1.003)	1595795	50.0000	48.97

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1x.D
Report Date: 30-Dec-2010 10:49

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ng/ul)	AMOUNTS ON-COL (ng/ul)
112 Anthracene	178	10.862	10.862	(1.008)	1703996	50.0000	53.16
115 Di-n-butylphthalate	149	11.562	11.562	(1.073)	2062805	50.0000	50.13
116 Fluoranthene	202	12.230	12.230	(1.135)	1558196	50.0000	46.85
129 Atrazine	200	10.507	10.507	(0.975)	283556	50.0000	43.09
* 132 Chrysene-d12	240	13.962	13.962	(1.000)	998348	40.0000	
133 Benzidine	184	12.429	12.429	(0.890)	313210	50.0000	23.09
134 Pyrene	202	12.497	12.497	(0.895)	1524394	50.0000	45.38
$ 135 Terphenyl-d14	244	12.729	12.729	(0.912)	1026054	50.0000	47.44
136 Butylbenzylphthalate	149	13.354	13.354	(0.956)	900681	50.0000	57.74
137 3,3'-Dichlorobenzidine	252	13.950	13.950	(0.999)	356527	50.0000	40.11
138 Benzo(a)anthracene	228	13.950	13.950	(0.999)	1336464	50.0000	47.86
139 Chrysene	228	13.994	13.994	(1.002)	1427394	50.0000	48.80
140 Bis(2-ethylhexyl)phthalate	149	14.074	14.074	(1.008)	1142436	50.0000	58.44
* 154 Perylene-d12	264	15.626	15.626	(1.000)	873642	40.0000	
155 Di-n-octylphthalate	149	14.840	14.840	(0.950)	1973433	50.0000	63.63
156 Benzo(b)fluoranthene	252	15.203	15.203	(0.973)	1257421	50.0000	52.53
157 Benzo(k)fluoranthene	252	15.236	15.236	(0.975)	1489347	50.0000	54.21
158 Benzo(a)pyrene	252	15.559	15.559	(0.996)	1147787	50.0000	52.29
159 Indeno(1,2,3-cd)pyrene	276	16.747	16.747	(1.072)	956392	50.0000	51.98
160 Dibenz(a,h)anthracene	278	16.766	16.766	(1.073)	783205	50.0000	49.12
161 Benzo(g,h,i)perylene	276	17.019	17.019	(1.089)	732909	50.0000	44.42

QC Flag Legend

M - Compound response manually integrated.


Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1x.D
Date : 28-DEC-2010 15:41
Client ID: SEQ-CCV1
Sample Info: CCV50PPM;;;;;;10L0788
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
\\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\SEQ-CCV1x.D
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6+
-1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
-Naphthalene-d8
-2-Fluorobiphenyl
-Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12

Data File: L13015L1.D
Report Date: 30-Dec-2010 13:52

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\is@80\L13015L1.D
Lab Smp Id: 0L13015-BS1 Client Smp ID: 0L13015-BLK1LCS
Inj Date : 28-DEC-2010 16:25 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : 0L13015-BS1;;1000;500;;UG/L;14-DEC-2010
Misc Info : ;3;LCS;;;0L13015;ppbnax.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\is@80\IXBN1is@80.m
Meth Date : 30-Dec-2010 13:51 mcobb Quant Type: ISTD
Cal Date : 19-DEC-2010 03:11 Cal File: SEQ-CALK.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ppbnax.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)
Vi	0.500	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

M 1/4/11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
* 1 1,4-Dichlorobenzene-d4	152	5.404	5.402	(1.000)	812552	80.0000	
$ 2 2-Fluorophenol	112	3.950	3.953	(0.731)	432447	33.5732	16.79
$ 3 Phenol-d6	99	5.042	5.061	(0.933)	352805	23.6328	11.82
4 Pyridine	79	2.353	2.344	(0.435)	191119	12.5717	6.286(a)
5 1,4-Dioxane	88	1.985	1.970	(0.367)	81656	14.0217	7.011
6 N-Nitroso-di-methylamine	42	2.346	2.344	(0.434)	106121	19.3322	9.666
7 Aniline	93	5.035	5.040	(0.932)	487130	26.4319	13.22
10 Phenol	94	5.056	5.074	(0.936)	239015	13.8602	6.930(Q)
11 bis(2-Chloroethyl)ether	93	5.131	5.136	(0.950)	496070	37.9451	18.97
12 2-Chlorophenol	128	5.165	5.170	(0.956)	435838	31.2139	15.61
13 1,3-Dichlorobenzene	146	5.335	5.340	(0.987)	346062	22.6458	11.32
14 1,4-Dichlorobenzene	146	5.424	5.423	(1.004)	345635	23.0036	11.50
15 Benzyl alcohol	108	5.588	5.600	(1.034)	218099	28.9592	14.48
16 1,2-Dichlorobenzene	146	5.595	5.593	(1.035)	334011	23.2770	11.64

12/30

Data File: L13015L1.D
Report Date: 30-Dec-2010 13:52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
	17 2-Methylphenol	108	5.745	5.750	(1.063)	318631	28.7519	14.38
	18 2,2'-Oxybis-1-chloropropane	45	5.758	5.757	(1.066)	776694	37.4389	18.72
	19 3-Methylphenol	108	5.929	5.934	(1.097)	302486	27.4550	13.73
	20 4-Methylphenol	108	5.929	5.934	(1.097)	302486	27.4550	13.73
	21 N-Nitroso-di-n-propylamine	70	5.908	5.914	(1.093)	371141	44.4746	22.24
	22 Hexachloroethane	117	5.984	5.982	(1.107)	123985	21.2389	10.62
	32 Benzaldehyde	106	4.899	4.904	(0.907)	376837	36.0086	18.00
*	33 Naphthalene-d8	136	6.892	6.890	(1.000)	2334914	80.0000	
$	34 Nitrobenzene-d5	82	6.052	6.058	(0.878)	470927	47.7581	23.88
	35 Nitrobenzene	77	6.072	6.078	(0.881)	477337	47.0923	23.55
	39 Isophorone	82	6.365	6.371	(0.924)	881219	42.9533	21.48
	40 2-Nitrophenol	139	6.448	6.453	(0.936)	302487	49.7554	24.88
	42 2,4-Dimethylphenol	107	6.543	6.549	(0.949)	391693	43.2723	21.64
	43 Benzoic acid	105	6.666	6.733	(0.967)	55518	33.2397	16.62
	44 bis(2-Chloroethoxy)methane	93	6.652	6.651	(0.965)	613757	45.5209	22.76
	47 2,4-Dichlorophenol	162	6.741	6.747	(0.978)	393054	43.7432	21.87
	62 2,6-Dichlorophenol	162	7.008	7.014	(1.017)	418306	45.8342	22.92
	50 1,2,4-Trichlorobenzene	180	6.830	6.836	(0.991)	339342	30.6940	15.35
	51 Naphthalene	128	6.912	6.918	(1.003)	995523	35.2135	17.61
	52 4-Chloroaniline	127	7.001	7.007	(1.016)	499207	37.1703	18.58
	53 Hexachlorobutadiene	225	7.090	7.090	(1.029)	165457	28.2676	14.13
	54 4-Chloro-3-methylphenol	107	7.615	7.630	(1.105)	395063	55.0921	27.55(R)
	55 2-Methylnaphthalene	141	7.745	7.746	(1.124)	660423	42.7621	21.38
	56 1-Methylnaphthalene	141	7.862	7.862	(1.141)	645369	40.7898	20.39
	57 Acetophenone	105	5.888	5.893	(1.090)	606596	40.0451	20.02
	67 1,2,4,5-Tetrachlorobenzene	216	7.951	7.957	(1.154)	396949	39.6646	19.83
	68 Caprolactam	113	7.418	7.466	(1.076)	41984	12.3031	6.152
*	69 Acenaphthene-d10	164	8.991	8.995	(1.000)	1193669	80.0000	
	70 Hexachlorocyclopentadiene	237	7.951	7.957	(0.884)	96448	17.9866	8.993
	71 2,4,6-Trichlorophenol	196	8.101	8.108	(0.901)	341845	58.2176	29.11(R)
	72 2,4,5-Trichlorophenol	196	8.142	8.149	(0.906)	368589	57.7111	28.86(R)
	73 2-Chloronaphthalene	162	8.321	8.328	(0.925)	727740	40.1248	20.06
$	74 2-Fluorobiphenyl	172	8.204	8.211	(0.912)	812252	40.7501	20.38
	75 2-Nitroaniline	65	8.465	8.472	(0.941)	311153	69.9068	34.95(R)
	76 Dimethylphthalate	163	8.717	8.726	(0.970)	1192740	62.0952	31.05
	77 Acenaphthylene	152	8.813	8.816	(0.980)	1273915	45.1473	22.57
	78 2,6-Dinitrotoluene	165	8.778	8.775	(0.976)	334273	65.4113	32.70(R)
	79 3-Nitroaniline	138	8.963	8.974	(0.997)	321635	56.8552	28.43
	80 Acenaphthene	153	9.032	9.036	(1.005)	784760	45.4103	22.70
	81 2,4-Dinitrophenol	184	9.094	9.098	(1.011)	178356	85.0281	42.51(R)
	83 4-Nitrophenol	65	9.211	9.214	(1.024)	61502	30.1118	15.06(M)
	84 Dibenzofuran	168	9.238	9.242	(1.027)	1157330	48.7903	24.40
	85 2,4-Dinitrotoluene	165	9.252	9.256	(1.029)	403491	68.1599	34.08(R)
	86 Diethylphthalate	149	9.574	9.584	(1.065)	1335465	66.7255	33.36(R)
	87 4-Chlorophenyl-phenylether	204	9.677	9.673	(1.076)	512113	53.4794	26.74
	88 Fluorene	166	9.650	9.652	(1.073)	1038022	54.8042	27.40
	89 4-Nitroaniline	138	9.705	9.707	(1.079)	314851	76.8349	38.42(R)

Data File: L13015L1.D
Report Date: 30-Dec-2010 13:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
96 2,3,4,6-Tetrachlorophenol	232	9.402	9.406	(1.046)	311090	58.8532	29.43
100 1,1'-Biphenyl	154	8.314	8.321	(0.925)	967969	44.0110	22.00
* 102 Phenanthrene-d10	188	10.773	10.774	(1.000)	1915624	80.0000	
103 1,2-Diphenylhydrazine	77	9.863	9.864	(0.916)	1087743	55.3443	27.67
104 Carbazole	167	11.074	11.075	(1.028)	1444114	62.0203	31.01(R)
105 4,6-Dinitro-2-methylphenol	198	9.746	9.748	(0.905)	281232	77.8734	38.94(R)
106 N-Nitrosodiphenylamine	169	9.822	9.831	(0.912)	546118	34.1254	17.06
$ 107 2,4,6-Tribromophenol	330	9.946	9.947	(0.923)	376161	102.292	51.14(A)
108 4-Bromophenyl-phenylether	248	10.260	10.261	(0.952)	359746	60.5003	30.25(R)
109 Hexachlorobenzene	284	10.322	10.321	(0.958)	402387	57.2818	28.64(R)
110 Pentachlorophenol	266	10.569	10.568	(0.981)	321356	79.9452	39.97(R)
111 Phenanthrene	178	10.800	10.807	(1.002)	1430189	55.3232	27.66
112 Anthracene	178	10.862	10.862	(1.008)	1450187	57.0329	28.52(R)
115 Di-n-butylphthalate	149	11.560	11.562	(1.073)	2151699	65.9185	32.96(R)
116 Fluoranthene	202	12.230	12.230	(1.135)	1461432	55.3841	27.69
129 Atrazine	200	10.508	10.507	(0.975)	332349	63.6601	31.83(R)
* 132 Chrysene-d12	240	13.970	13.962	(1.000)	1639114	80.0000	
133 Benzidine	184	12.422	12.429	(0.889)	149304	21.3666	10.68(a)
134 Pyrene	202	12.497	12.497	(0.895)	1566061	56.7864	28.39
$ 135 Terphenyl-d14	244	12.730	12.729	(0.911)	850815	47.9229	23.96
136 Butylbenzylphthalate	149	13.357	13.354	(0.956)	949771	74.1756	37.09(R)
137 3,3'-Dichlorobenzidine	252	13.951	13.950	(0.999)	407710	55.8744	27.94(R)
138 Benzo(a)anthracene	228	13.951	13.950	(0.999)	1249435	54.5012	27.25
139 Chrysene	228	13.996	13.994	(1.002)	1322269	55.0745	27.54(R)
140 Bis(2-ethylhexyl)phthalate	149	14.078	14.074	(1.008)	1170891	72.9565	36.48(R)
* 154 Perylene-d12	264	15.629	15.626	(1.000)	1376366	80.0000	
155 Di-n-octylphthalate	149	14.837	14.840	(0.949)	1968014	83.0985	41.55(R)
156 Benzo(b)fluoranthene	252	15.199	15.203	(0.972)	1150522	61.0202	30.51(R)
157 Benzo(k)fluoranthene	252	15.233	15.236	(0.975)	1305896	60.3425	30.17
158 Benzo(a)pyrene	252	15.562	15.559	(0.996)	930780	53.8352	26.92
159 Indeno(1,2,3-cd)pyrene	276	16.743	16.747	(1.071)	783081	54.0284	27.01
160 Dibenz(a,h)anthracene	278	16.770	16.766	(1.073)	636052	53.9616	26.98
161 Benzo(g,h,i)perylene	276	17.025	17.019	(1.089)	677463	52.1212	26.06

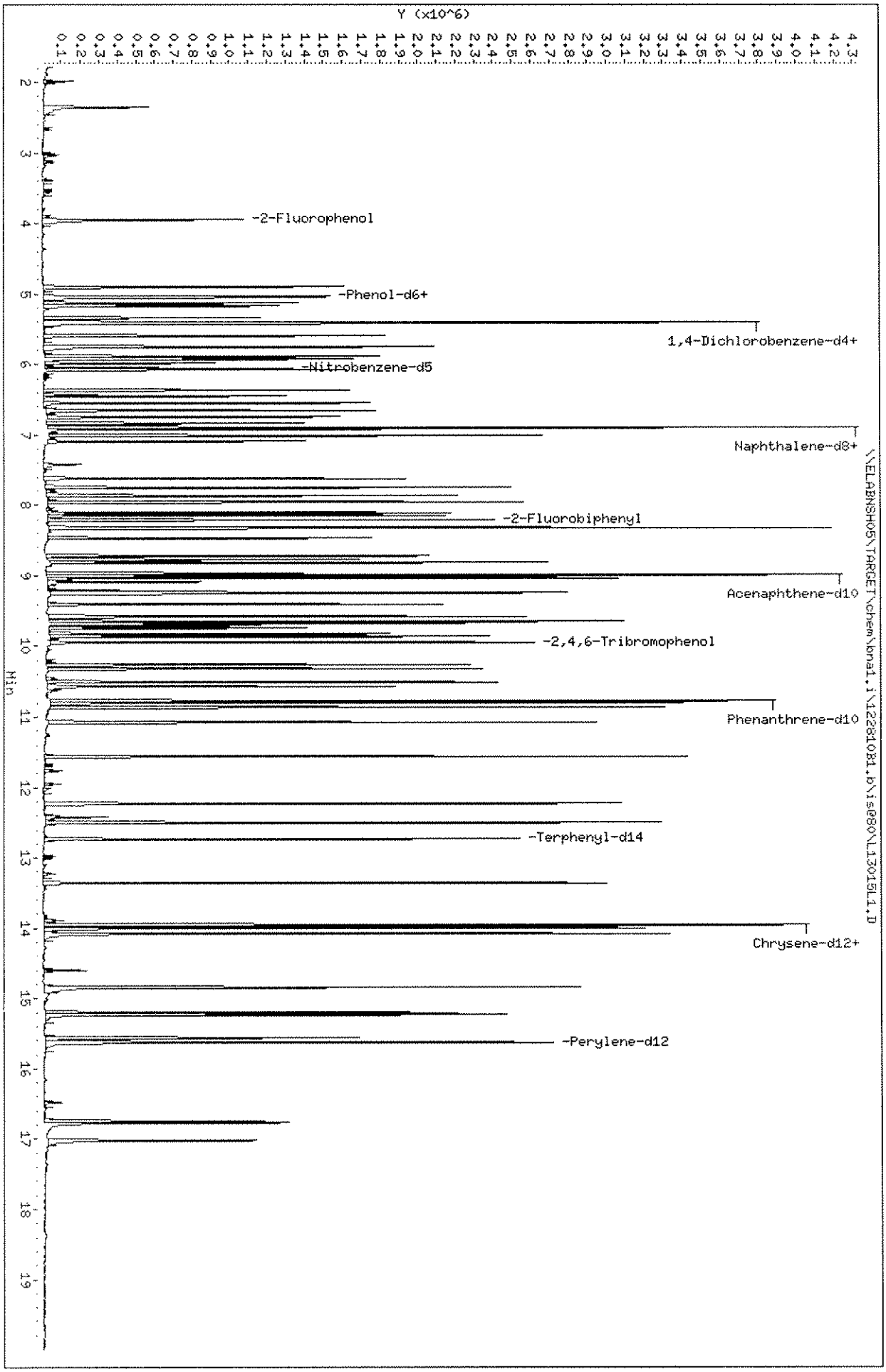
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\ELABNSHO5\TARGET\chem\bna1.i\12281081.b\is080\L13015L1.D
Date : 28-DEC-2010 16:25
Client ID: OL13015-BLK1LCS
Sample Info: OL13015-BS1;1000;500;UG/L;14-DEC-2010
Volume Injected (uL): 0.5
Column phase: fused silica

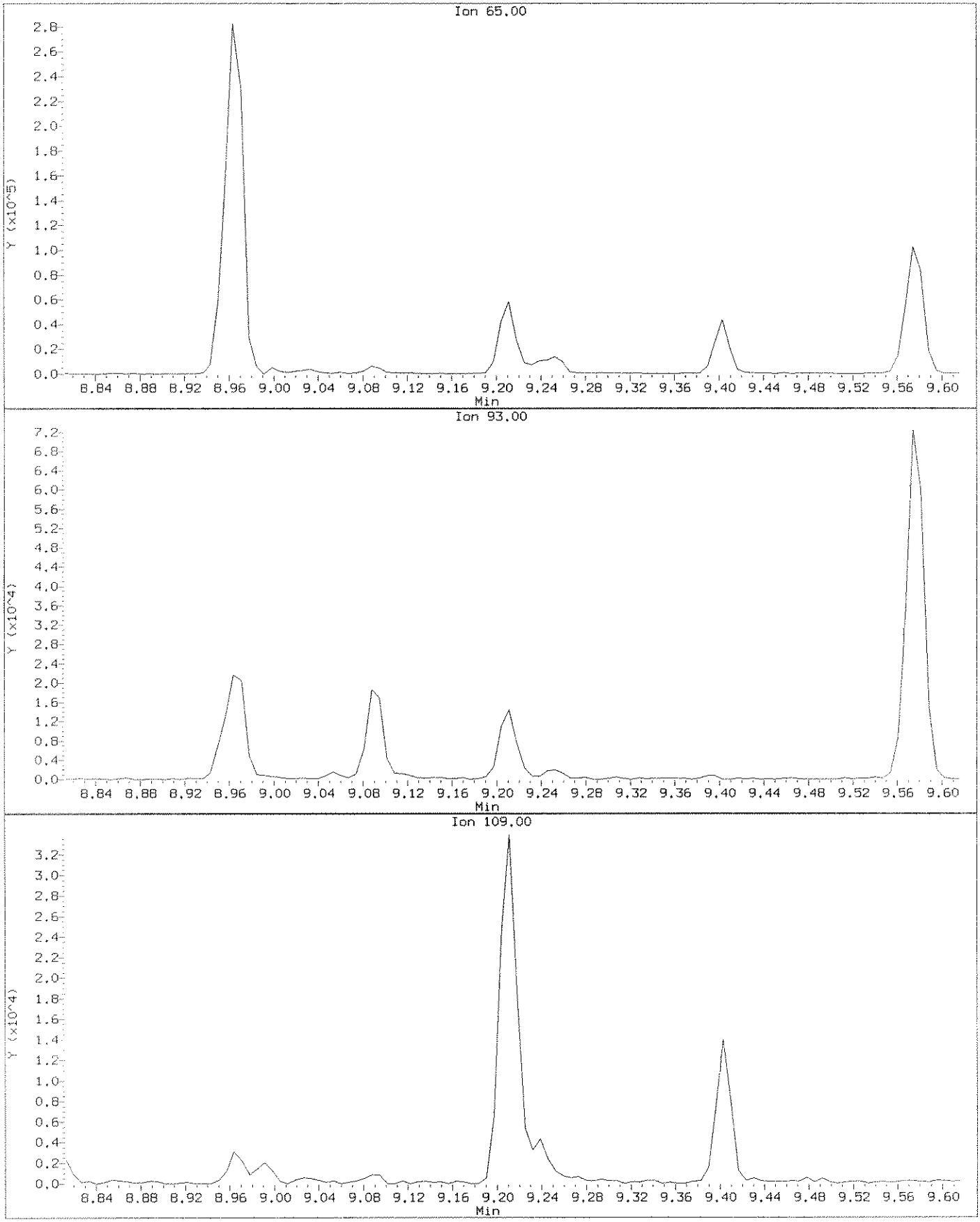
Operator: MEC
Column diameter: 0.25

Instrument: bna1.i



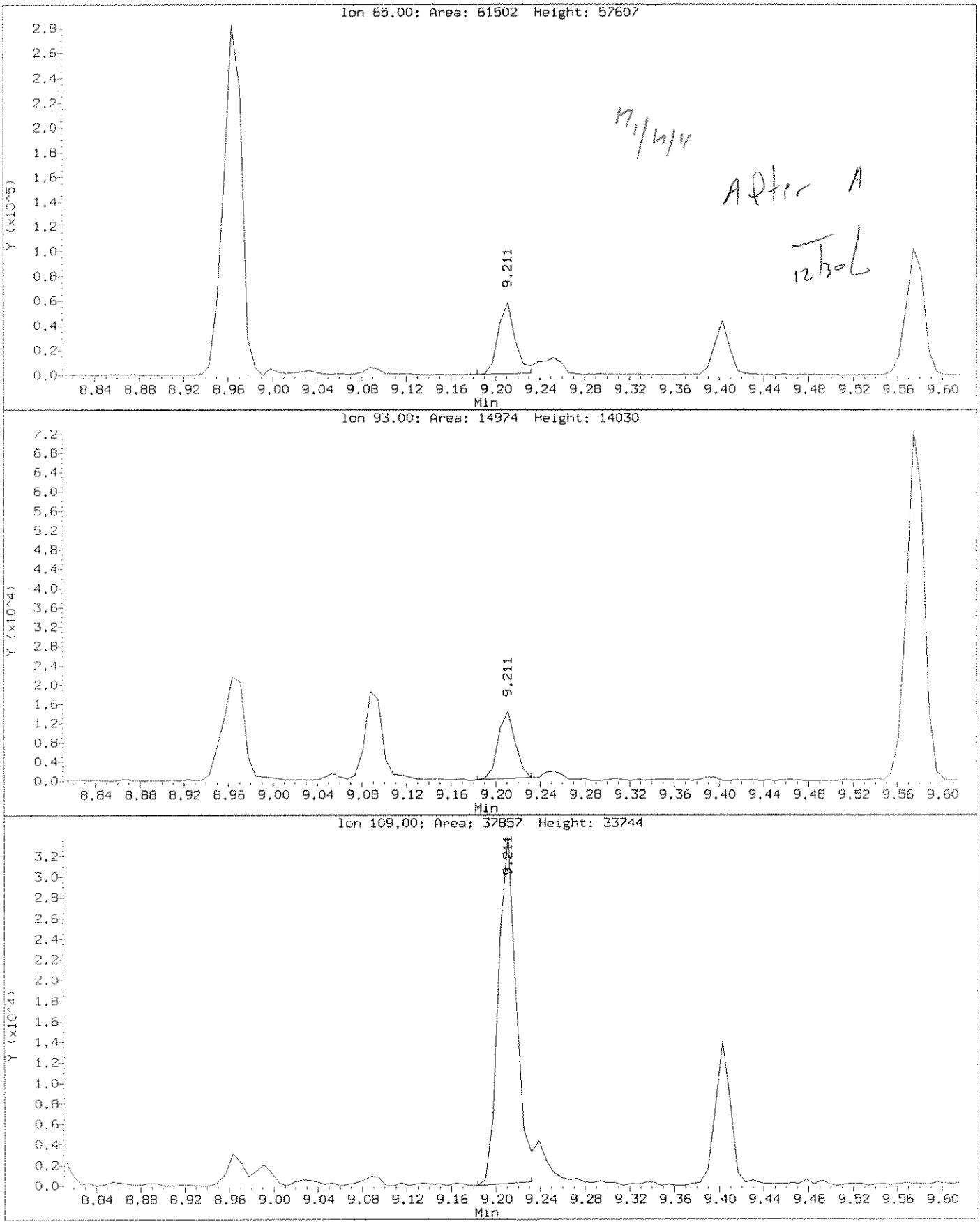
Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\is@80\L13015L1.D
Injection Date: 28-DEC-2010 16:25
Instrument: bna1.i
Client Sample ID: OL13015-BLK1LCS

Compound: 4-Nitrophenol
CAS Number: 100-02-7



Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\is@B0\L13015L1.D
Injection Date: 28-DEC-2010 16:25
Instrument: bna1.i
Client Sample ID: OL13015-BLK1LCS

Compound: 4-Nitrophenol
CAS Number: 100-02-7



Data File: L13015L1x.D
Report Date: 30-Dec-2010 13:59

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\is@80\L13015L1x.D
Lab Smp Id: 0L13015-BS1 Client Smp ID: 0L13015-BLK1LCS
Inj Date : 28-DEC-2010 16:25 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : 0L13015-BS1;;1000;500;;UG/L;14-DEC-2010
Misc Info : ;3;LCS;;;0L13015;ppbnax.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\is@80\IXBN1Dis@80.m
Meth Date : 30-Dec-2010 13:59 mcobb Quant Type: ISTD
Cal Date : 19-DEC-2010 03:11 Cal File: SEQ-CALK.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ppbnax.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)
Vi	0.500	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

01/4/11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
* 1 1,4-Dichlorobenzene-d4	152	5.404	5.402	(1.000)	812552	80.0000	
$ 2 2-Fluorophenol	112	3.950	3.953	(0.731)	432447	33.5732	16.79
$ 3 Phenol-d6	99	5.042	5.061	(0.933)	352805	23.6328	11.82
4 Pyridine	79	2.353	2.344	(0.435)	191119	12.5717	6.286(a)
5 1,4-Dioxane	88	1.985	1.970	(0.367)	81656	14.0217	7.011
6 N-Nitroso-di-methylamine	42	2.346	2.344	(0.434)	106121	19.3322	9.666
7 Aniline	93	5.035	5.040	(0.932)	487130	26.4319	13.22
10 Phenol	94	5.056	5.074	(0.936)	239015	13.8602	6.930(Q)
11 bis(2-Chloroethyl)ether	93	5.131	5.136	(0.950)	496070	37.9451	18.97
12 2-Chlorophenol	128	5.165	5.170	(0.956)	435838	31.2139	15.61
13 1,3-Dichlorobenzene	146	5.335	5.340	(0.987)	346062	22.6458	11.32
14 1,4-Dichlorobenzene	146	5.424	5.423	(1.004)	345635	23.0036	11.50
15 Benzyl alcohol	108	5.588	5.600	(1.034)	218099	28.9592	14.48
16 1,2-Dichlorobenzene	146	5.595	5.593	(1.035)	334011	23.2770	11.64

12/30

Data File: L13015L1x.D
Report Date: 30-Dec-2010 13:59

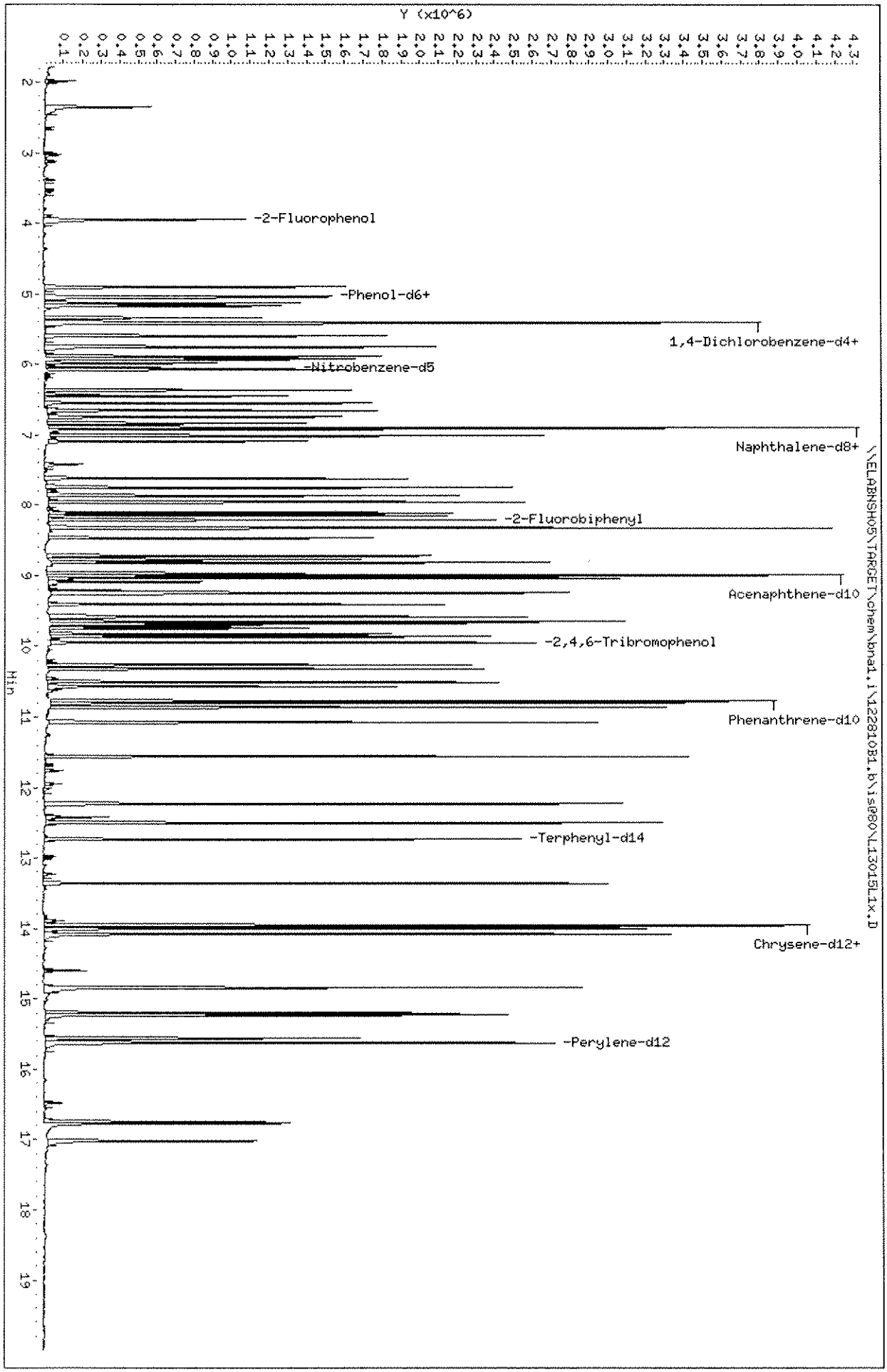
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
	17 2-Methylphenol	108	5.745	5.750	(1.063)	318631	28.7519	14.38
	18 2,2'-Oxybis-1-chloropropane	45	5.758	5.757	(1.066)	776694	37.4389	18.72
	19 3-Methylphenol	108	5.929	5.934	(1.097)	302486	27.4550	13.73
	20 4-Methylphenol	108	5.929	5.934	(1.097)	302486	27.4550	13.73
	21 N-Nitroso-di-n-propylamine	70	5.908	5.914	(1.093)	371141	44.4746	22.24
	22 Hexachloroethane	117	5.984	5.982	(1.107)	123985	21.2389	10.62
	32 Benzaldehyde	106	4.899	4.904	(0.907)	376837	36.0086	18.00
*	33 Naphthalene-d8	136	6.892	6.890	(1.000)	2334914	80.0000	
$	34 Nitrobenzene-d5	82	6.052	6.058	(0.878)	470927	47.7581	23.88
	35 Nitrobenzene	77	6.072	6.078	(0.881)	477337	47.0923	23.55
	39 Isophorone	82	6.365	6.371	(0.924)	881219	42.9533	21.48
	40 2-Nitrophenol	139	6.448	6.453	(0.936)	302487	49.7554	24.88
	42 2,4-Dimethylphenol	107	6.543	6.549	(0.949)	391693	43.2723	21.64
	43 Benzoic acid	105	6.666	6.733	(0.967)	55518	33.2397	16.62
	44 bis(2-Chloroethoxy)methane	93	6.652	6.651	(0.965)	613757	45.5209	22.76
	47 2,4-Dichlorophenol	162	6.741	6.747	(0.978)	393054	43.7432	21.87
	62 2,6-Dichlorophenol	162	7.008	7.014	(1.017)	418306	45.8342	22.92
	50 1,2,4-Trichlorobenzene	180	6.830	6.836	(0.991)	339342	30.6940	15.35
	51 Naphthalene	128	6.912	6.918	(1.003)	995523	35.2135	17.61
	52 4-Chloroaniline	127	7.001	7.007	(1.016)	499207	37.1703	18.58
	53 Hexachlorobutadiene	225	7.090	7.090	(1.029)	165457	28.2676	14.13
	54 4-Chloro-3-methylphenol	107	7.615	7.630	(1.105)	395063	55.0921	27.55(R)
	55 2-Methylnaphthalene	141	7.745	7.746	(1.124)	660423	42.7621	21.38
	56 1-Methylnaphthalene	141	7.862	7.862	(1.141)	645369	40.7898	20.39
	57 Acetophenone	105	5.888	5.893	(1.090)	606596	40.0451	20.02
	67 1,2,4,5-Tetrachlorobenzene	216	7.951	7.957	(1.154)	396949	39.6646	19.83
	68 Caprolactam	113	7.418	7.466	(1.076)	41984	12.3031	6.152
*	69 Acenaphthene-d10	164	8.991	8.995	(1.000)	1193669	80.0000	
	70 Hexachlorocyclopentadiene	237	7.951	7.957	(0.884)	96448	17.9866	8.993
	71 2,4,6-Trichlorophenol	196	8.101	8.108	(0.901)	341845	58.2176	29.11(R)
	72 2,4,5-Trichlorophenol	196	8.142	8.149	(0.906)	368589	57.7111	28.86(R)
	73 2-Chloronaphthalene	162	8.321	8.328	(0.925)	727740	40.1248	20.06
$	74 2-Fluorobiphenyl	172	8.204	8.211	(0.912)	812252	40.7501	20.38
	75 2-Nitroaniline	65	8.465	8.472	(0.941)	311153	69.9068	34.95(R)
	76 Dimethylphthalate	163	8.717	8.726	(0.970)	1192740	62.0952	31.05
	77 Acenaphthylene	152	8.813	8.816	(0.980)	1273915	45.1473	22.57
	78 2,6-Dinitrotoluene	165	8.778	8.775	(0.976)	334273	65.4113	32.70(R)
	79 3-Nitroaniline	138	8.963	8.974	(0.997)	321635	56.8552	28.43
	80 Acenaphthene	153	9.032	9.036	(1.005)	784760	45.4103	22.70
	81 2,4-Dinitrophenol	184	9.094	9.098	(1.011)	178356	85.0281	42.51(R)
	83 4-Nitrophenol	65	9.211	9.214	(1.024)	61502	30.1118	15.06(M)
	84 Dibenzofuran	168	9.238	9.242	(1.027)	1157330	48.7903	24.40
	85 2,4-Dinitrotoluene	165	9.252	9.256	(1.029)	403491	68.1599	34.08(R)
	86 Diethylphthalate	149	9.574	9.584	(1.065)	1335465	66.7255	33.36(R)
	87 4-Chlorophenyl-phenylether	204	9.677	9.673	(1.076)	512113	53.4794	26.74
	88 Fluorene	166	9.650	9.652	(1.073)	1038022	54.8042	27.40
	89 4-Nitroaniline	138	9.705	9.707	(1.079)	314851	76.8349	38.42(R)

Data File: L13015L1x.D
Report Date: 30-Dec-2010 13:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
96 2,3,4,6-Tetrachlorophenol	232	9.402	9.406	(1.046)	311090	58.8532	29.43
100 1,1'-Biphenyl	154	8.314	8.321	(0.925)	967969	44.0110	22.00
* 102 Phenanthrene-d10	188	10.773	10.774	(1.000)	1915624	80.0000	
103 1,2-Diphenylhydrazine	77	9.863	9.864	(0.916)	1087743	55.3443	27.67
104 Carbazole	167	11.074	11.075	(1.028)	1444114	62.0203	31.01(R)
105 4,6-Dinitro-2-methylphenol	198	9.746	9.748	(0.905)	281232	77.8734	38.94(R)
106 N-Nitrosodiphenylamine	169	9.822	9.831	(0.912)	546118	34.1254	17.06
$ 107 2,4,6-Tribromophenol	330	9.946	9.947	(0.923)	376161	102.292	51.14(A)
108 4-Bromophenyl-phenylether	248	10.260	10.261	(0.952)	359746	60.5003	30.25(R)
109 Hexachlorobenzene	284	10.322	10.321	(0.958)	402387	57.2818	28.64(R)
110 Pentachlorophenol	266	10.569	10.568	(0.981)	321356	79.9452	39.97(R)
111 Phenanthrene	178	10.800	10.807	(1.002)	1430189	55.3232	27.66
112 Anthracene	178	10.862	10.862	(1.008)	1450187	57.0329	28.52(R)
115 Di-n-butylphthalate	149	11.560	11.562	(1.073)	2151699	65.9185	32.96(R)
116 Fluoranthene	202	12.230	12.230	(1.135)	1461432	55.3841	27.69
129 Atrazine	200	10.508	10.507	(0.975)	332349	63.6601	31.83(R)
* 132 Chrysene-d12	240	13.970	13.962	(1.000)	1639114	80.0000	
133 Benzidine	184	12.422	12.429	(0.889)	149304	21.3666	10.68(a)
134 Pyrene	202	12.497	12.497	(0.895)	1566061	56.7864	28.39
$ 135 Terphenyl-d14	244	12.730	12.729	(0.911)	850815	47.9229	23.96
136 Butylbenzylphthalate	149	13.357	13.354	(0.956)	949771	74.1756	37.09(R)
137 3,3'-Dichlorobenzidine	252	13.951	13.950	(0.999)	407710	55.8744	27.94(R)
138 Benzo(a)anthracene	228	13.951	13.950	(0.999)	1249435	54.5012	27.25
139 Chrysene	228	13.996	13.994	(1.002)	1322269	55.0745	27.54(R)
140 Bis(2-ethylhexyl)phthalate	149	14.078	14.074	(1.008)	1170891	72.9565	36.48(R)
* 154 Perylene-d12	264	15.629	15.626	(1.000)	1376366	80.0000	
155 Di-n-octylphthalate	149	14.837	14.840	(0.949)	1968014	83.0985	41.55(R)
156 Benzo(b)fluoranthene	252	15.199	15.203	(0.972)	1150522	61.0202	30.51(R)
157 Benzo(k)fluoranthene	252	15.233	15.236	(0.975)	1305896	60.3425	30.17
158 Benzo(a)pyrene	252	15.562	15.559	(0.996)	930780	53.8352	26.92
159 Indeno(1,2,3-cd)pyrene	276	16.743	16.747	(1.071)	783081	54.0284	27.01
160 Dibenz(a,h)anthracene	278	16.770	16.766	(1.073)	636052	53.9616	26.98
161 Benzo(g,h,i)perylene	276	17.025	17.019	(1.089)	677463	52.1212	26.06

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.


Data File: \\ELABNSHO5\TARGET\chem\bna1.i\122810B1.b\is80\L13015L1x.D
Date : 28-DEC-2010 16:25
Client ID: OL13015-BLK1LCS
Sample Info: OL13015-BS1;;1000;500;;UG/L;14-DEC-2010
Volume Injected (uL): 0.5
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6+
1,4-Dichlorobenzene-d4+
-Nitrobenzene-d5
Naphthalene-d8+
-2-Fluorobiphenyl
Acenaphthene-d10
-2,4,6-Tribromophenol
Phenanthrene-d10
-Terphenyl-d14
Chrysene-d12+
-Perylene-d12
\\ELABNSHO5\TARGET\chem\bna1.i\122810B1.b\is80\L13015L1x.D

Data File: L13015L2.D
Report Date: 30-Dec-2010 13:52

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\is@80\L13015L2.D
Lab Smp Id: 0L13015-BSD1 Client Smp ID: 0L13015-BLK1LCSD
Inj Date : 28-DEC-2010 16:52 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : 0L13015-BSD1;;1000;500;;UG/L;14-DEC-2010
Misc Info : ;3;LCSD;;;0L13015;ppbnax.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\is@80\IXBN1is@80.m
Meth Date : 30-Dec-2010 13:51 mcobb Quant Type: ISTD
Cal Date : 19-DEC-2010 03:11 Cal File: SEQ-CALK.D
Als bottle: 4 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ppbnax.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)
Vi	0.500	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

M 1/4/11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
* 1 1,4-Dichlorobenzene-d4	152	5.403	5.402	(1.000)	779482	80.0000	
$ 2 2-Fluorophenol	112	3.955	3.953	(0.732)	414949	33.5814	16.79
$ 3 Phenol-d6	99	5.042	5.061	(0.933)	342118	23.8892	11.94
4 Pyridine	79	2.365	2.344	(0.438)	135903	9.31893	4.659(a)
5 1,4-Dioxane	88	1.991	1.970	(0.368)	84241	15.0793	7.540
6 N-Nitroso-di-methylamine	42	2.351	2.344	(0.435)	105806	20.0926	10.05
7 Aniline	93	5.035	5.040	(0.932)	346217	19.5829	9.791
10 Phenol	94	5.055	5.074	(0.936)	231774	14.0105	7.005
11 bis(2-Chloroethyl)ether	93	5.130	5.136	(0.950)	533822	42.5652	21.28
12 2-Chlorophenol	128	5.165	5.170	(0.956)	418338	31.2317	15.62
13 1,3-Dichlorobenzene	146	5.335	5.340	(0.987)	354188	24.1609	12.08
14 1,4-Dichlorobenzene	146	5.424	5.423	(1.004)	365792	25.3780	12.69
15 Benzyl alcohol	108	5.587	5.600	(1.034)	223784	30.9747	15.49
16 1,2-Dichlorobenzene	146	5.594	5.593	(1.035)	378306	27.4824	13.74

12/30

Data File: L13015L2.D
Report Date: 30-Dec-2010 13:52

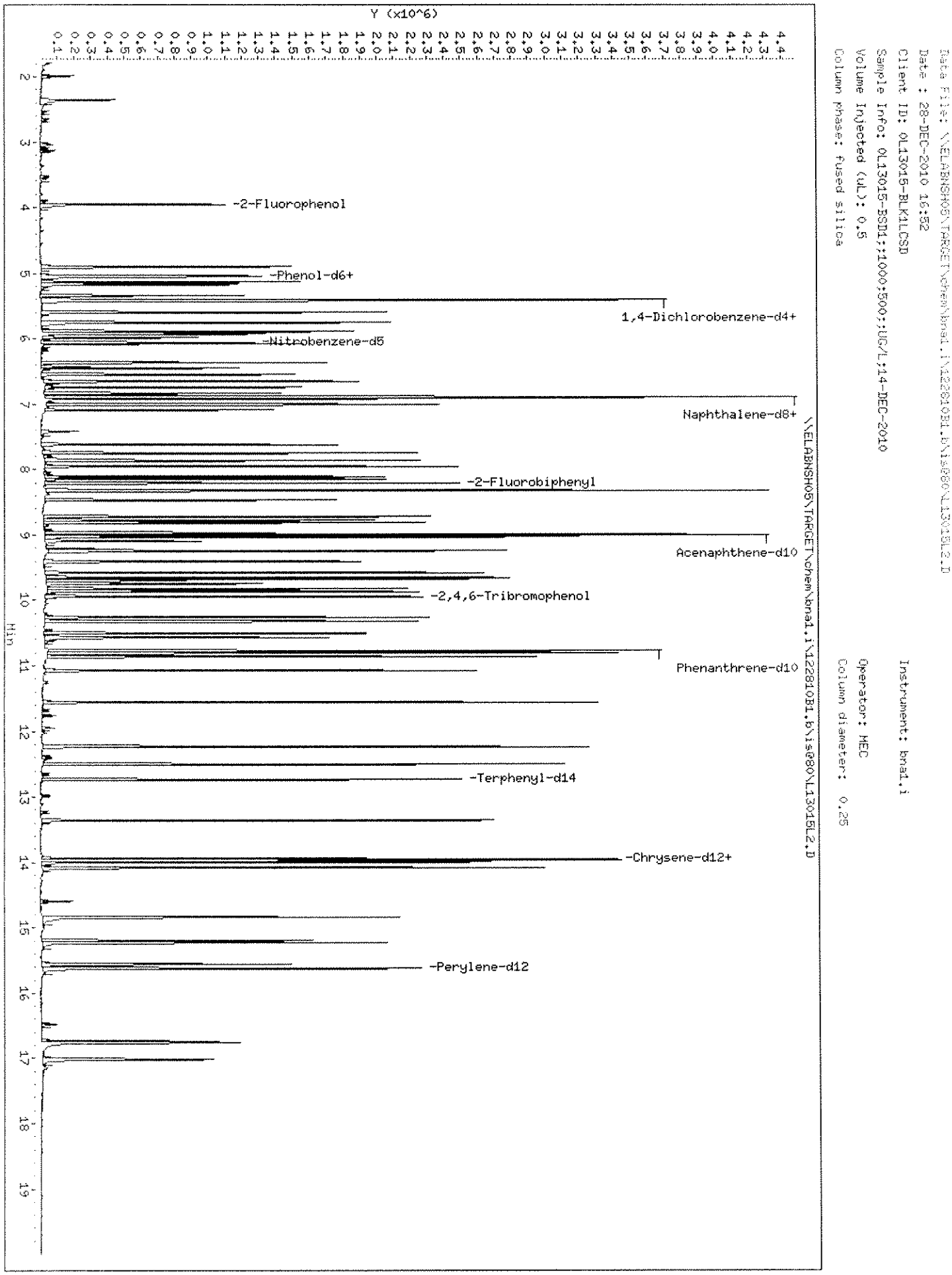
		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
	17	2-Methylphenol	108	5.744	5.750	(1.063)	293243	27.5836	13.79
	18	2,2'-Oxybis-1-chloropropane	45	5.758	5.757	(1.066)	792307	39.8118	19.90
	19	3-Methylphenol	108	5.929	5.934	(1.097)	273012	25.8311	12.92
	20	4-Methylphenol	108	5.929	5.934	(1.097)	273012	25.8311	12.92
	21	N-Nitroso-di-n-propylamine	70	5.908	5.914	(1.093)	364611	45.5457	22.77
	22	Hexachloroethane	117	5.983	5.982	(1.107)	123854	22.1165	11.06
	32	Benzaldehyde	106	4.899	4.904	(0.907)	368564	36.7122	18.36
*	33	Naphthalene-d8	136	6.891	6.890	(1.000)	2509165	80.0000	
$	34	Nitrobenzene-d5	82	6.052	6.058	(0.878)	438436	41.3753	20.69
	35	Nitrobenzene	77	6.072	6.078	(0.881)	460065	42.2363	21.12
	39	Isophorone	82	6.365	6.371	(0.924)	884423	40.1157	20.06
	40	2-Nitrophenol	139	6.447	6.453	(0.936)	279251	42.7435	21.37
	42	2,4-Dimethylphenol	107	6.542	6.549	(0.949)	315907	32.4762	16.24
	43	Benzoic acid	105	6.679	6.733	(0.969)	84159	37.3490	18.67
	44	bis(2-Chloroethoxy)methane	93	6.651	6.651	(0.965)	626828	43.2618	21.63
	47	2,4-Dichlorophenol	162	6.740	6.747	(0.978)	383384	39.7039	19.85
	62	2,6-Dichlorophenol	162	7.008	7.014	(1.017)	381530	38.9014	19.45
	50	1,2,4-Trichlorobenzene	180	6.829	6.836	(0.991)	345566	29.0863	14.54
	51	Naphthalene	128	6.912	6.918	(1.003)	1096860	36.1036	18.05
	52	4-Chloroaniline	127	7.001	7.007	(1.016)	396406	27.4661	13.73
	53	Hexachlorobutadiene	225	7.089	7.090	(1.029)	168027	26.7132	13.36
	54	4-Chloro-3-methylphenol	107	7.615	7.630	(1.105)	352355	45.7241	22.86
	55	2-Methylnaphthalene	141	7.745	7.746	(1.124)	621317	37.4362	18.72
	56	1-Methylnaphthalene	141	7.855	7.862	(1.140)	641930	37.7549	18.88
	57	Acetophenone	105	5.888	5.893	(1.090)	617883	42.5208	21.26
	67	1,2,4,5-Tetrachlorobenzene	216	7.950	7.957	(1.154)	427830	39.7815	19.89
	68	Caprolactam	113	7.417	7.466	(1.076)	42649	11.6301	5.815
*	69	Acenaphthene-d10	164	8.993	8.995	(1.000)	1287224	80.0000	
	70	Hexachlorocyclopentadiene	237	7.950	7.957	(0.884)	96243	16.6439	8.322
	71	2,4,6-Trichlorophenol	196	8.101	8.108	(0.901)	325094	51.3409	25.67
	72	2,4,5-Trichlorophenol	196	8.142	8.149	(0.905)	356236	51.7231	25.86
	73	2-Chloronaphthalene	162	8.321	8.328	(0.925)	757448	38.7274	19.36
$	74	2-Fluorobiphenyl	172	8.204	8.211	(0.912)	812384	37.7945	18.90
	75	2-Nitroaniline	65	8.465	8.472	(0.941)	311947	64.9914	32.50(R)
	76	Dimethylphthalate	163	8.719	8.726	(0.969)	1314828	63.4762	31.74(R)
	77	Acenaphthylene	152	8.815	8.816	(0.980)	1248036	41.0155	20.51
	78	2,6-Dinitrotoluene	165	8.774	8.775	(0.976)	348262	63.1957	31.60(R)
	79	3-Nitroaniline	138	8.966	8.974	(0.997)	276438	45.3142	22.66
	80	Acenaphthene	153	9.028	9.036	(1.004)	817287	43.8553	21.93
	81	2,4-Dinitrophenol	184	9.090	9.098	(1.011)	188430	83.8112	41.90(R)
	83	4-Nitrophenol	65	9.206	9.214	(1.024)	55391	26.7249	13.36(M)
	84	Dibenzofuran	168	9.241	9.242	(1.028)	1131568	44.2371	22.12
	85	2,4-Dinitrotoluene	165	9.255	9.256	(1.029)	410170	64.3638	32.18(R)
	86	Diethylphthalate	149	9.577	9.584	(1.065)	1244374	57.6554	28.83
	87	4-Chlorophenyl-phenylether	204	9.673	9.673	(1.076)	492774	47.7197	23.86
	88	Fluorene	166	9.653	9.652	(1.073)	980543	48.0069	24.00
	89	4-Nitroaniline	138	9.701	9.707	(1.079)	237305	53.7019	26.85

Data File: L13015L2.D
Report Date: 30-Dec-2010 13:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
96 2,3,4,6-Tetrachlorophenol	232	9.406	9.406	(1.046)	297305	52.1574	26.08
100 1,1'-Biphenyl	154	8.314	8.321	(0.924)	1028824	43.3781	21.69
* 102 Phenanthrene-d10	188	10.775	10.774	(1.000)	1824658	80.0000	
103 1,2-Diphenylhydrazine	77	9.866	9.864	(0.916)	1067395	57.0165	28.51
104 Carbazole	167	11.070	11.075	(1.027)	1336138	60.2439	30.12(R)
105 4,6-Dinitro-2-methylphenol	198	9.742	9.748	(0.904)	269288	78.1875	39.09(R)
106 N-Nitrosodiphenylamine	169	9.824	9.831	(0.912)	581803	38.1677	19.08
$ 107 2,4,6-Tribromophenol	330	9.947	9.947	(0.923)	355818	101.584	50.79(A)
108 4-Bromophenyl-phenylether	248	10.261	10.261	(0.952)	368801	65.1152	32.56(R)
109 Hexachlorobenzene	284	10.317	10.321	(0.957)	404608	60.4695	30.23(R)
110 Pentachlorophenol	266	10.570	10.568	(0.981)	307730	80.3103	40.16(R)
111 Phenanthrene	178	10.803	10.807	(1.002)	1399666	56.8417	28.42
112 Anthracene	178	10.864	10.862	(1.008)	1411495	58.2787	29.14(R)
115 Di-n-butylphthalate	149	11.555	11.562	(1.072)	2068271	66.5215	33.26(R)
116 Fluoranthene	202	12.231	12.230	(1.135)	1529172	60.8404	30.42(R)
129 Atrazine	200	10.509	10.507	(0.975)	282685	56.8466	28.42
* 132 Chrysene-d12	240	13.967	13.962	(1.000)	1396938	80.0000	
134 Pyrene	202	12.498	12.497	(0.895)	1453535	61.8434	30.92
$ 135 Terphenyl-d14	244	12.729	12.729	(0.911)	935878	61.8528	30.93
136 Butylbenzylphthalate	149	13.357	13.354	(0.956)	906070	83.0301	41.52(R)
137 3,3'-Dichlorobenzidine	252	13.948	13.950	(0.999)	319365	51.3548	25.68
138 Benzo(a)anthracene	228	13.948	13.950	(0.999)	1118676	57.2570	28.63(R)
139 Chrysene	228	13.999	13.994	(1.002)	1141230	55.7746	27.89(R)
140 Bis(2-ethylhexyl)phthalate	149	14.074	14.074	(1.008)	1099392	80.3770	40.19(R)
* 154 Perylene-d12	264	15.623	15.626	(1.000)	1184149	80.0000	
155 Di-n-octylphthalate	149	14.838	14.840	(0.950)	1594473	78.6578	39.33(R)
156 Benzo(b)fluoranthene	252	15.194	15.203	(0.973)	839475	51.7505	25.88
157 Benzo(k)fluoranthene	252	15.228	15.236	(0.975)	1058029	56.8250	28.41
158 Benzo(a)pyrene	252	15.557	15.559	(0.996)	762702	51.2745	25.64
159 Indeno(1,2,3-cd)pyrene	276	16.741	16.747	(1.072)	695548	55.7789	27.89
160 Dibenz(a,h)anthracene	278	16.761	16.766	(1.073)	604474	58.8889	29.44
161 Benzo(g,h,i)perylene	276	17.014	17.019	(1.089)	575160	51.4334	25.72

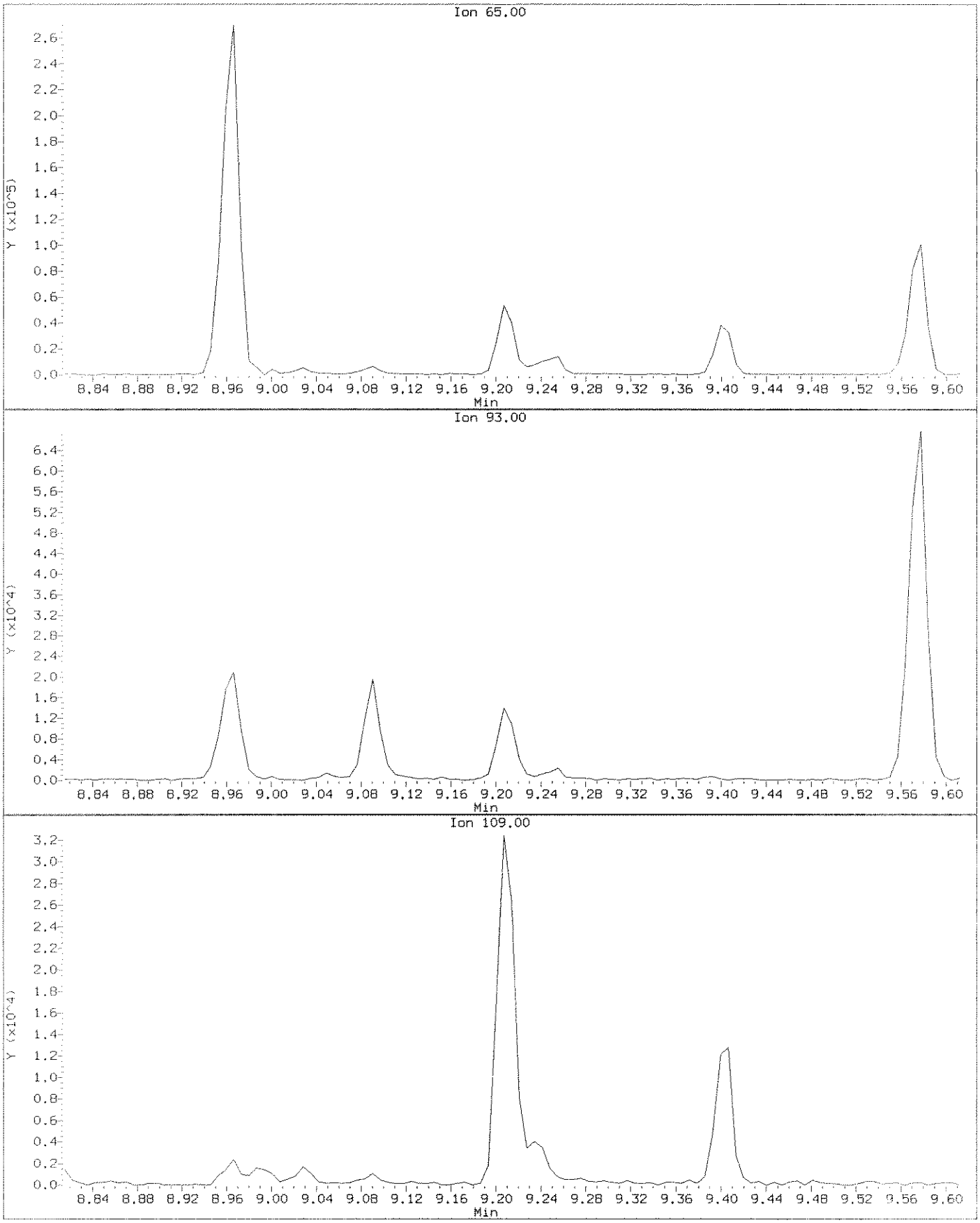
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.


Data File: \ELABNSH05\TARGET\chem\bnai.i\122810B1.b\is080\L13015L2.D
Date : 28-DEC-2010 16:52
Client ID: 0L13015-BLK1LCSD
Sample Info: 0L13015-BSD1;;1000;500;;UG/L;14-DEC-2010
Volume Injected (uL): 0.5
Column phase: fused silica
Instrument: bnai.i
Operator: MEC
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6+
1,4-Dichlorobenzene-d4+
-Nitrobenzene-d5
Naphthalene-d8+
-2-Fluorobiphenyl
Acenaphthene-d10
-2,4,6-Tribromophenol
Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
\ELABNSH05\TARGET\chem\bnai.i\122810B1.b\is080\L13015L2.D

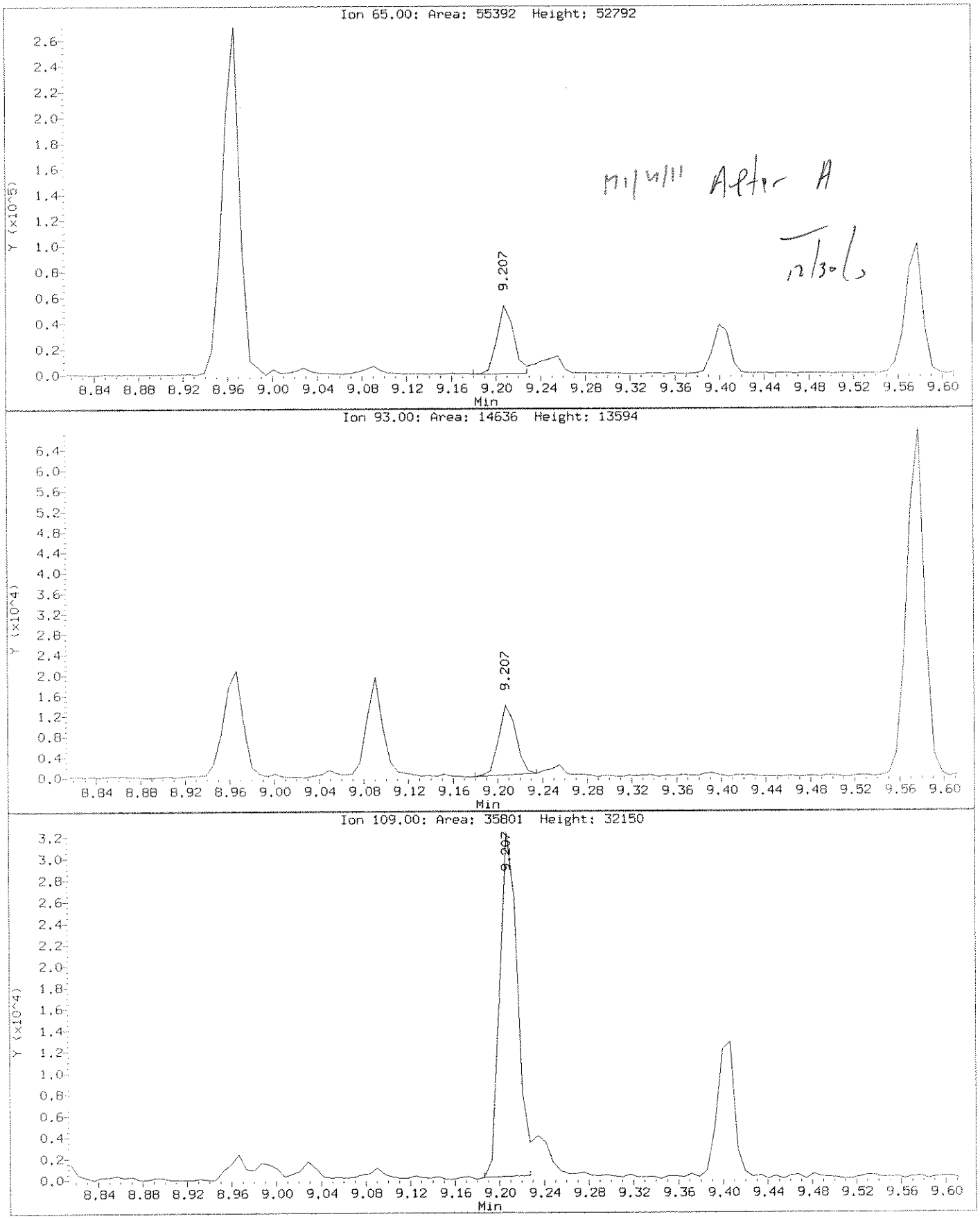
Data File: \\ELABNSHO5\TARGET\chem\bna1.i\122810B1.b\is@80\L13015L2.D
Injection Date: 28-DEC-2010 16:52
Instrument: bna1.i
Client Sample ID: OL13015-BLK1LCSD

Compound: 4-Nitrophenol
CAS Number: 100-02-7



Data File: \\ELABNSHO5\TARGET\chem\bna1.i\122810B1.b\is@80\L13015L2.D
Injection Date: 28-DEC-2010 16:52
Instrument: bna1.i
Client Sample ID: OL13015-BLK1LCSD

Compound: 4-Nitrophenol
CAS Number: 100-02-7



Data File: L13015L2x.D
Report Date: 30-Dec-2010 13:59

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\is@80\L13015L2x.D
Lab Smp Id: 0L13015-BSD1 Client Smp ID: 0L13015-BLK1LCSD
Inj Date : 28-DEC-2010 16:52 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : 0L13015-BSD1;;1000;500;;UG/L;14-DEC-2010
Misc Info : ;3;LCSD;;;0L13015;ppbnax.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\is@80\IXBN1Dis@80.m
Meth Date : 30-Dec-2010 13:59 mcobb Quant Type: ISTD
Cal Date : 19-DEC-2010 03:11 Cal File: SEQ-CALK.D
Als bottle: 4 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ppbnax.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)
Vi	0.500	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

MI/4/11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
* 1 1,4-Dichlorobenzene-d4	152	5.403	5.402	(1.000)	779482	80.0000	
$ 2 2-Fluorophenol	112	3.955	3.953	(0.732)	414949	33.5814	16.79
$ 3 Phenol-d6	99	5.042	5.061	(0.933)	342118	23.8892	11.94
4 Pyridine	79	2.365	2.344	(0.438)	135903	9.31893	4.659(a)
5 1,4-Dioxane	88	1.991	1.970	(0.368)	84241	15.0793	7.540
6 N-Nitroso-di-methylamine	42	2.351	2.344	(0.435)	105806	20.0926	10.05
7 Aniline	93	5.035	5.040	(0.932)	346217	19.5829	9.791
10 Phenol	94	5.055	5.074	(0.936)	231774	14.0105	7.005
11 bis(2-Chloroethyl)ether	93	5.130	5.136	(0.950)	533822	42.5652	21.28
12 2-Chlorophenol	128	5.165	5.170	(0.956)	418338	31.2317	15.62
13 1,3-Dichlorobenzene	146	5.335	5.340	(0.987)	354188	24.1609	12.08
14 1,4-Dichlorobenzene	146	5.424	5.423	(1.004)	365792	25.3780	12.69
15 Benzyl alcohol	108	5.587	5.600	(1.034)	223784	30.9747	15.49
16 1,2-Dichlorobenzene	146	5.594	5.593	(1.035)	378306	27.4824	13.74

12/30

Data File: L13015L2x.D
Report Date: 30-Dec-2010 13:59

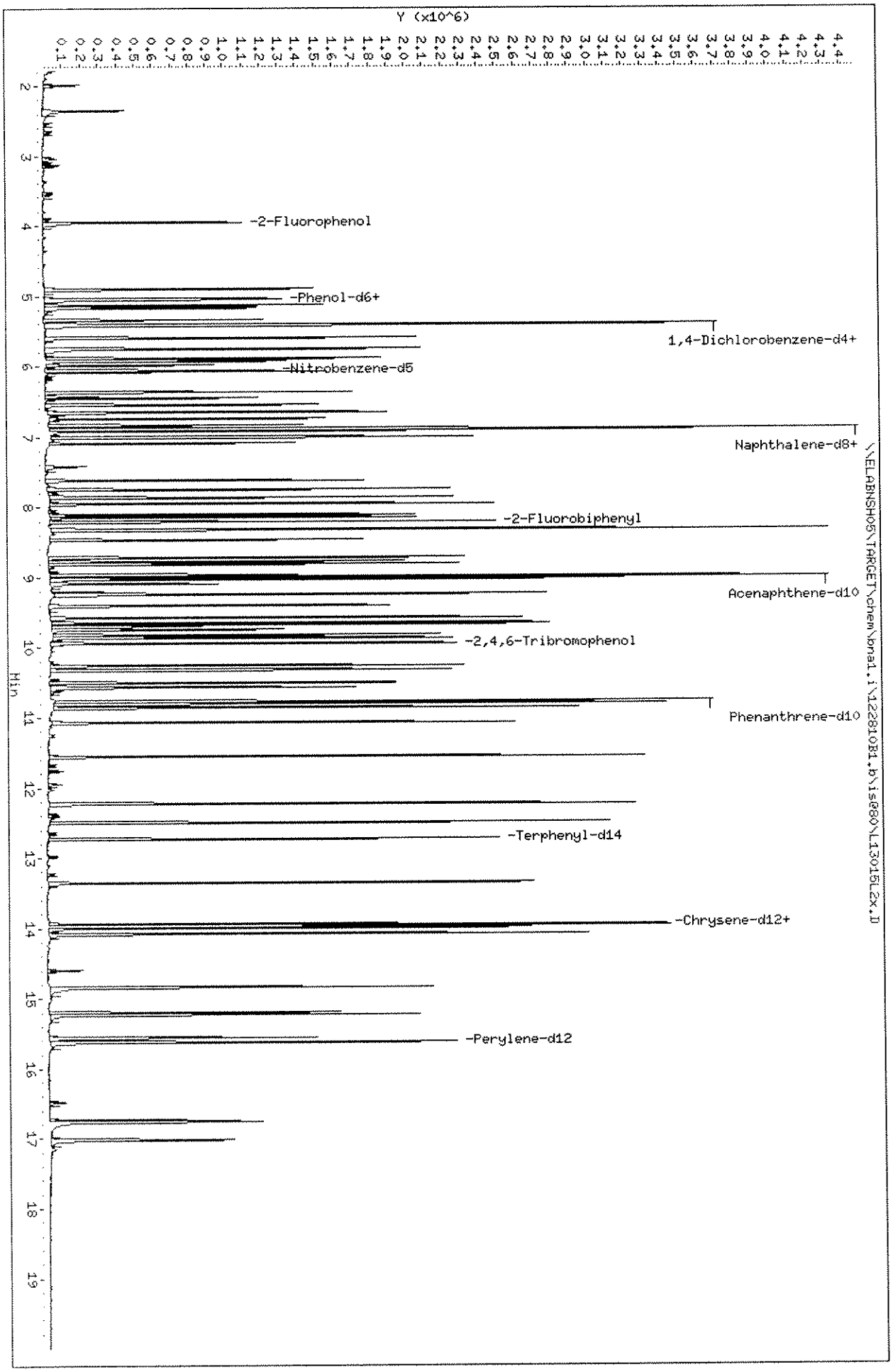
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
	17 2-Methylphenol	108	5.744	5.750	(1.063)	293243	27.5836	13.79
	18 2,2'-Oxybis-1-chloropropane	45	5.758	5.757	(1.066)	792307	39.8118	19.90
	19 3-Methylphenol	108	5.929	5.934	(1.097)	273012	25.8311	12.92
	20 4-Methylphenol	108	5.929	5.934	(1.097)	273012	25.8311	12.92
	21 N-Nitroso-di-n-propylamine	70	5.908	5.914	(1.093)	364611	45.5457	22.77
	22 Hexachloroethane	117	5.983	5.982	(1.107)	123854	22.1165	11.06
	32 Benzaldehyde	106	4.899	4.904	(0.907)	368564	36.7122	18.36
*	33 Naphthalene-d8	136	6.891	6.890	(1.000)	2509165	80.0000	
$	34 Nitrobenzene-d5	82	6.052	6.058	(0.878)	438436	41.3753	20.69
	35 Nitrobenzene	77	6.072	6.078	(0.881)	460065	42.2363	21.12
	39 Isophorone	82	6.365	6.371	(0.924)	884423	40.1157	20.06
	40 2-Nitrophenol	139	6.447	6.453	(0.936)	279251	42.7435	21.37
	42 2,4-Dimethylphenol	107	6.542	6.549	(0.949)	315907	32.4762	16.24
	43 Benzoic acid	105	6.679	6.733	(0.969)	84159	37.3490	18.67
	44 bis(2-Chloroethoxy)methane	93	6.651	6.651	(0.965)	626828	43.2618	21.63
	47 2,4-Dichlorophenol	162	6.740	6.747	(0.978)	383384	39.7039	19.85
	62 2,6-Dichlorophenol	162	7.008	7.014	(1.017)	381530	38.9014	19.45
	50 1,2,4-Trichlorobenzene	180	6.829	6.836	(0.991)	345566	29.0863	14.54
	51 Naphthalene	128	6.912	6.918	(1.003)	1096860	36.1036	18.05
	52 4-Chloroaniline	127	7.001	7.007	(1.016)	396406	27.4661	13.73
	53 Hexachlorobutadiene	225	7.089	7.090	(1.029)	168027	26.7132	13.36
	54 4-Chloro-3-methylphenol	107	7.615	7.630	(1.105)	352355	45.7241	22.86
	55 2-Methylnaphthalene	141	7.745	7.746	(1.124)	621317	37.4362	18.72
	56 1-Methylnaphthalene	141	7.855	7.862	(1.140)	641930	37.7549	18.88
	57 Acetophenone	105	5.888	5.893	(1.090)	617883	42.5208	21.26
	67 1,2,4,5-Tetrachlorobenzene	216	7.950	7.957	(1.154)	427830	39.7815	19.89
	68 Caprolactam	113	7.417	7.466	(1.076)	42649	11.6301	5.815
*	69 Acenaphthene-d10	164	8.993	8.995	(1.000)	1287224	80.0000	
	70 Hexachlorocyclopentadiene	237	7.950	7.957	(0.884)	96243	16.6439	8.322
	71 2,4,6-Trichlorophenol	196	8.101	8.108	(0.901)	325094	51.3409	25.67
	72 2,4,5-Trichlorophenol	196	8.142	8.149	(0.905)	356236	51.7231	25.86
	73 2-Chloronaphthalene	162	8.321	8.328	(0.925)	757448	38.7274	19.36
$	74 2-Fluorobiphenyl	172	8.204	8.211	(0.912)	812384	37.7945	18.90
	75 2-Nitroaniline	65	8.465	8.472	(0.941)	311947	64.9914	32.50(R)
	76 Dimethylphthalate	163	8.719	8.726	(0.969)	1314828	63.4762	31.74(R)
	77 Acenaphthylene	152	8.815	8.816	(0.980)	1248036	41.0155	20.51
	78 2,6-Dinitrotoluene	165	8.774	8.775	(0.976)	348262	63.1957	31.60(R)
	79 3-Nitroaniline	138	8.966	8.974	(0.997)	276438	45.3142	22.66
	80 Acenaphthene	153	9.028	9.036	(1.004)	817287	43.8553	21.93
	81 2,4-Dinitrophenol	184	9.090	9.098	(1.011)	188430	83.8112	41.90(R)
	83 4-Nitrophenol	65	9.206	9.214	(1.024)	55391	26.7249	13.36(M)
	84 Dibenzofuran	168	9.241	9.242	(1.028)	1131568	44.2371	22.12
	85 2,4-Dinitrotoluene	165	9.255	9.256	(1.029)	410170	64.3638	32.18(R)
	86 Diethylphthalate	149	9.577	9.584	(1.065)	1244374	57.6554	28.83
	87 4-Chlorophenyl-phenylether	204	9.673	9.673	(1.076)	492774	47.7197	23.86
	88 Fluorene	166	9.653	9.652	(1.073)	980543	48.0069	24.00
	89 4-Nitroaniline	138	9.701	9.707	(1.079)	237305	53.7019	26.85

Data File: L13015L2x.D
Report Date: 30-Dec-2010 13:59

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
96 2,3,4,6-Tetrachlorophenol	232	9.406	9.406	(1.046)	297305	52.1574	26.08
100 1,1'-Biphenyl	154	8.314	8.321	(0.924)	1028824	43.3781	21.69
* 102 Phenanthrene-d10	188	10.775	10.774	(1.000)	1824658	80.0000	
103 1,2-Diphenylhydrazine	77	9.866	9.864	(0.916)	1067395	57.0165	28.51
104 Carbazole	167	11.070	11.075	(1.027)	1336138	60.2439	30.12(R)
105 4,6-Dinitro-2-methylphenol	198	9.742	9.748	(0.904)	269288	78.1875	39.09(R)
106 N-Nitrosodiphenylamine	169	9.824	9.831	(0.912)	581803	38.1677	19.08
$ 107 2,4,6-Tribromophenol	330	9.947	9.947	(0.923)	355818	101.584	50.79(A)
108 4-Bromophenyl-phenylether	248	10.261	10.261	(0.952)	368801	65.1152	32.56(R)
109 Hexachlorobenzene	284	10.317	10.321	(0.957)	404608	60.4695	30.23(R)
110 Pentachlorophenol	266	10.570	10.568	(0.981)	307730	80.3103	40.16(R)
111 Phenanthrene	178	10.803	10.807	(1.002)	1399666	56.8417	28.42
112 Anthracene	178	10.864	10.862	(1.008)	1411495	58.2787	29.14(R)
115 Di-n-butylphthalate	149	11.555	11.562	(1.072)	2068271	66.5215	33.26(R)
116 Fluoranthene	202	12.231	12.230	(1.135)	1529172	60.8404	30.42(R)
129 Atrazine	200	10.509	10.507	(0.975)	282685	56.8466	28.42
* 132 Chrysene-d12	240	13.967	13.962	(1.000)	1396938	80.0000	
134 Pyrene	202	12.498	12.497	(0.895)	1453535	61.8434	30.92
$ 135 Terphenyl-d14	244	12.729	12.729	(0.911)	935878	61.8528	30.93
136 Butylbenzylphthalate	149	13.357	13.354	(0.956)	906070	83.0301	41.52(R)
137 3,3'-Dichlorobenzidine	252	13.948	13.950	(0.999)	319365	51.3548	25.68
138 Benzo(a)anthracene	228	13.948	13.950	(0.999)	1118676	57.2570	28.63(R)
139 Chrysene	228	13.999	13.994	(1.002)	1141230	55.7746	27.89(R)
140 Bis(2-ethylhexyl)phthalate	149	14.074	14.074	(1.008)	1099392	80.3770	40.19(R)
* 154 Perylene-d12	264	15.623	15.626	(1.000)	1184149	80.0000	
155 Di-n-octylphthalate	149	14.838	14.840	(0.950)	1594473	78.6578	39.33(R)
156 Benzo(b)fluoranthene	252	15.194	15.203	(0.973)	839475	51.7505	25.88
157 Benzo(k)fluoranthene	252	15.228	15.236	(0.975)	1058029	56.8250	28.41
158 Benzo(a)pyrene	252	15.557	15.559	(0.996)	762702	51.2745	25.64
159 Indeno(1,2,3-cd)pyrene	276	16.741	16.747	(1.072)	695548	55.7789	27.89
160 Dibenz(a,h)anthracene	278	16.761	16.766	(1.073)	604474	58.8889	29.44
161 Benzo(g,h,i)perylene	276	17.014	17.019	(1.089)	575160	51.4334	25.72

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.


Data File: \\ELABNSHO5\TARGET\chem\bnai.i\122810B1.b\is80\L13015L2x.D
Date : 28-DEC-2010 16:52
Client ID: OL13015-BLK1LCSD
Sample Info: OL13015-BSD1;;1000;500;;UG/L;14-DEC-2010
Volume Injected (uL): 0.5
Column phase: fused silica
Instrument: bnai.i
Operator: MEC
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6+
1,4-Dichlorobenzene-d4+
-Nitrobenzene-d5
Naphthalene-d8+
-2-Fluorobiphenyl
Acenaphthene-d10
-2,4,6-Tribromophenol
Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
\\ELABNSHO5\TARGET\chem\bnai.i\122810B1.b\is80\L13015L2x.D

Data File: L13015B1.D
Report Date: 30-Dec-2010 13:52

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\is@80\L13015B1.D
Lab Smp Id: 0L13015-BLK1 Client Smp ID: 0L13015-BLK1
Inj Date : 28-DEC-2010 17:20 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : 0L13015-BLK1;;1000;500;;UG/L;14-DEC-2010
Misc Info : ;3;BLANK;;;0L13015;ppbnax.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\is@80\IXBN1is@80.m
Meth Date : 30-Dec-2010 13:51 mcobb Quant Type: ISTD
Cal Date : 19-DEC-2010 03:11 Cal File: SEQ-CALK.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ppbnax.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)
Vi	0.500	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

M1/5/11

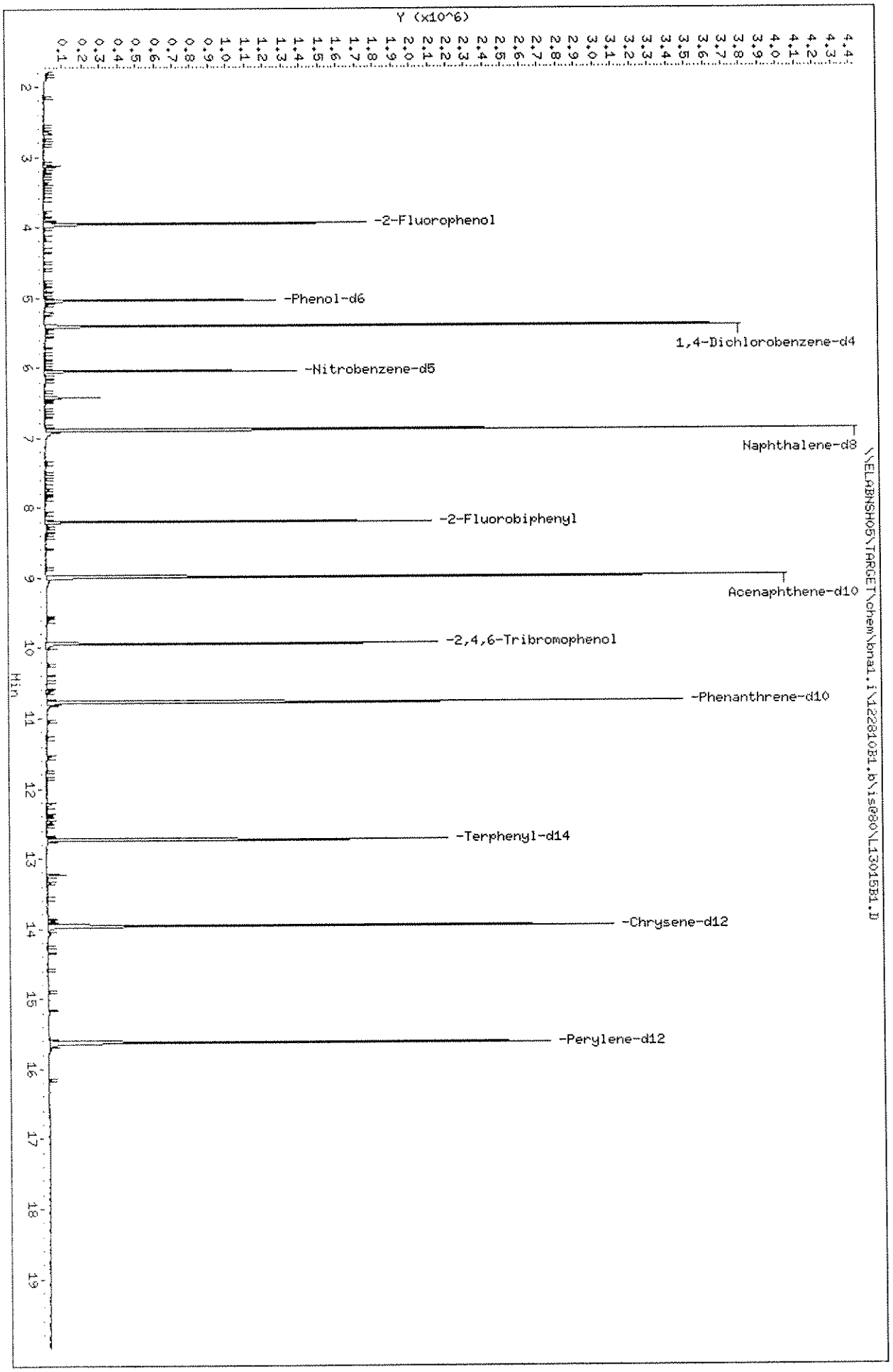
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
* 1 1,4-Dichlorobenzene-d4	152	5.407	5.402	(1.000)	808397	80.0000	
$ 2 2-Fluorophenol	112	3.946	3.953	(0.730)	625338	48.7979	24.40
$ 3 Phenol-d6	99	5.040	5.061	(0.932)	518388	34.9030	17.45
* 33 Naphthalene-d8	136	6.889	6.890	(1.000)	2350289	80.0000	
$ 34 Nitrobenzene-d5	82	6.046	6.058	(0.878)	449337	45.2705	22.64
* 69 Acenaphthene-d10	164	8.991	8.995	(1.000)	1168423	80.0000	
$ 74 2-Fluorobiphenyl	172	8.202	8.211	(0.912)	683061	35.0091	17.50
* 102 Phenanthrene-d10	188	10.775	10.774	(1.000)	1614807	80.0000	
$ 107 2,4,6-Tribromophenol	330	9.937	9.947	(0.922)	308611	99.5563	49.78
* 132 Chrysene-d12	240	13.958	13.962	(1.000)	1558904	80.0000	
134 Pyrene	202	12.483	12.497	(0.894)	17447	0.66519	0.3326(a)
$ 135 Terphenyl-d14	244	12.728	12.729	(0.912)	735338	43.5497	21.77
* 154 Perylene-d12	264	15.626	15.626	(1.000)	1387464	80.0000	

12/30

Data File: L13015B1.D
Report Date: 30-Dec-2010 13:52

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).


Data File: \\ELABNSHO5\TARGET\chem\bnai.i\122810B1.b\is80\L13015B1.D
Date : 28-DEC-2010 17:20
Client ID: OL13015-BLK1
Sample Info: OL13015-BLK1;;1000;500;;UG/L;14-DEC-2010
Volume Injected (uL): 0.5
Column phase: fused silica
Instrument: bnai.i
Operator: MEC
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6
1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
Naphthalene-d8
-2-Fluorobiphenyl
Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-Perylene-d12
\\ELABNSHO5\TARGET\chem\bnai.i\122810B1.b\is80\L13015B1.D

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\is@80\L13015B1.D

Date : 28-DEC-2010 17:20

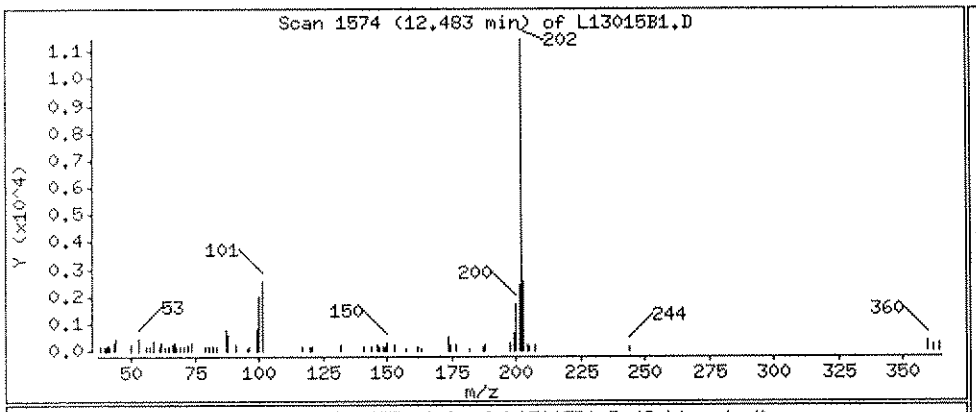
Client ID: 0L13015-BLK1 Instrument: bna1.i

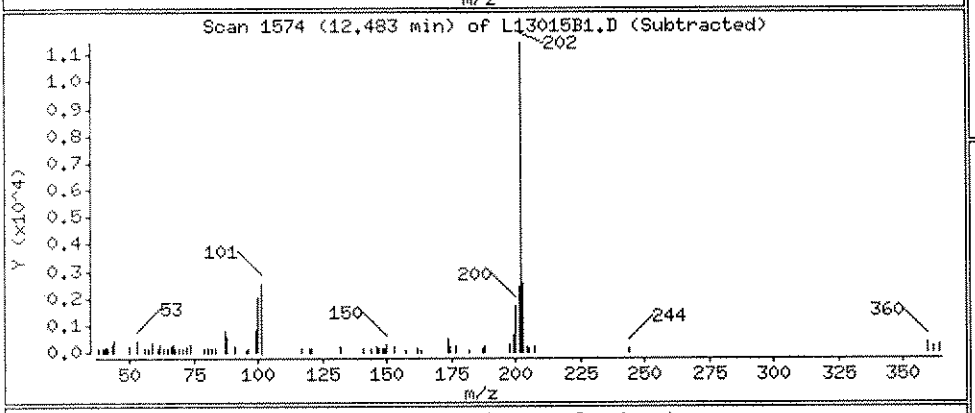
Sample Info: 0L13015-BLK1;;1000;500;;UG/L;14-DEC-2010

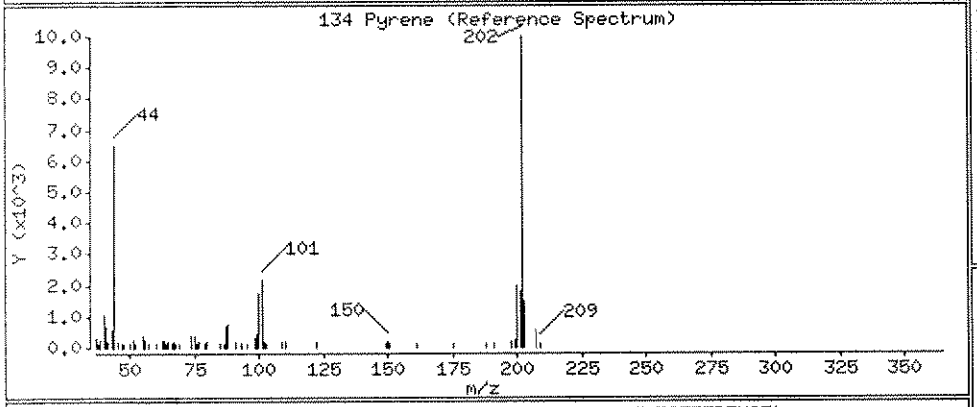
Volume Injected (uL): 0.5 Operator: MEC

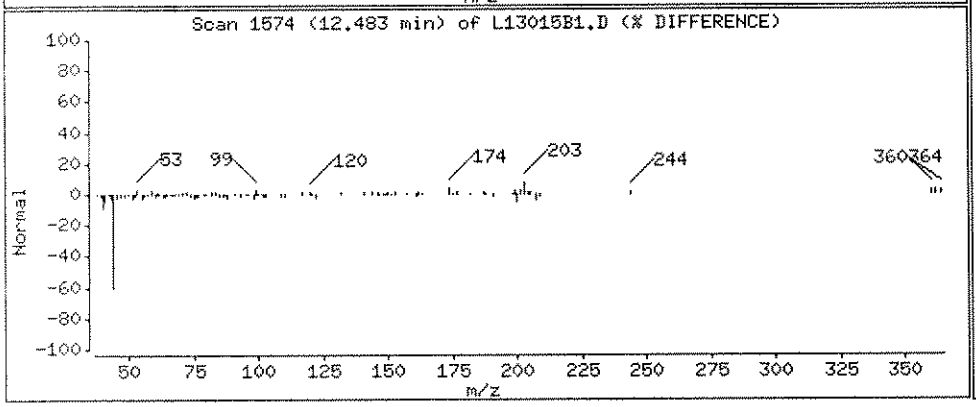
Column phase: fused silica Column diameter: 0.25

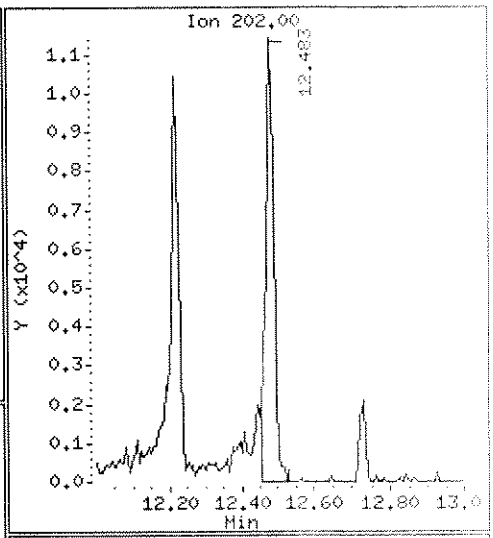
134 Pyrene Concentration: 0.3326 UG/L

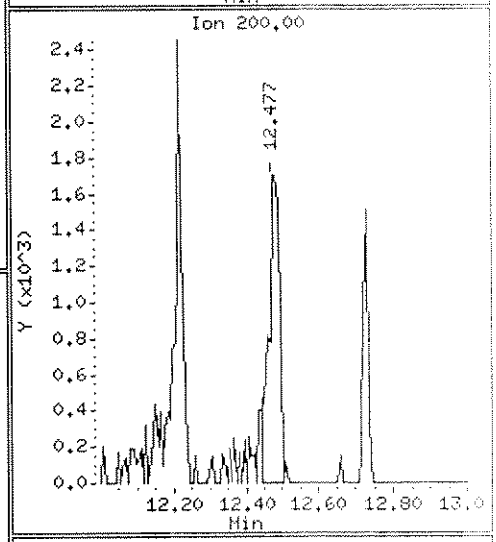


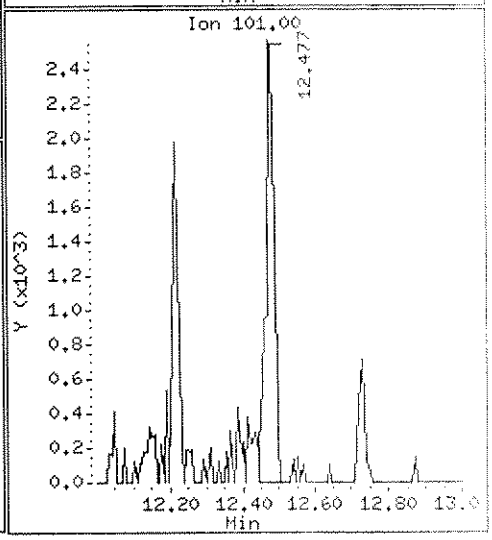












Data File: L13015B1x.D
Report Date: 30-Dec-2010 13:59

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\is@80\L13015B1x.D
Lab Smp Id: 0L13015-BLK1 Client Smp ID: 0L13015-BLK1
Inj Date : 28-DEC-2010 17:20 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : 0L13015-BLK1;;1000;500;;UG/L;14-DEC-2010
Misc Info : ;3;BLANK;;;0L13015;ppbnax.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\is@80\IXBN1Dis@80.m
Meth Date : 30-Dec-2010 13:59 mcobb Quant Type: ISTD
Cal Date : 19-DEC-2010 03:11 Cal File: SEQ-CALK.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ppbnax.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	500.000	Volume of final extract (uL)
Vi	0.500	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

M1/4/11

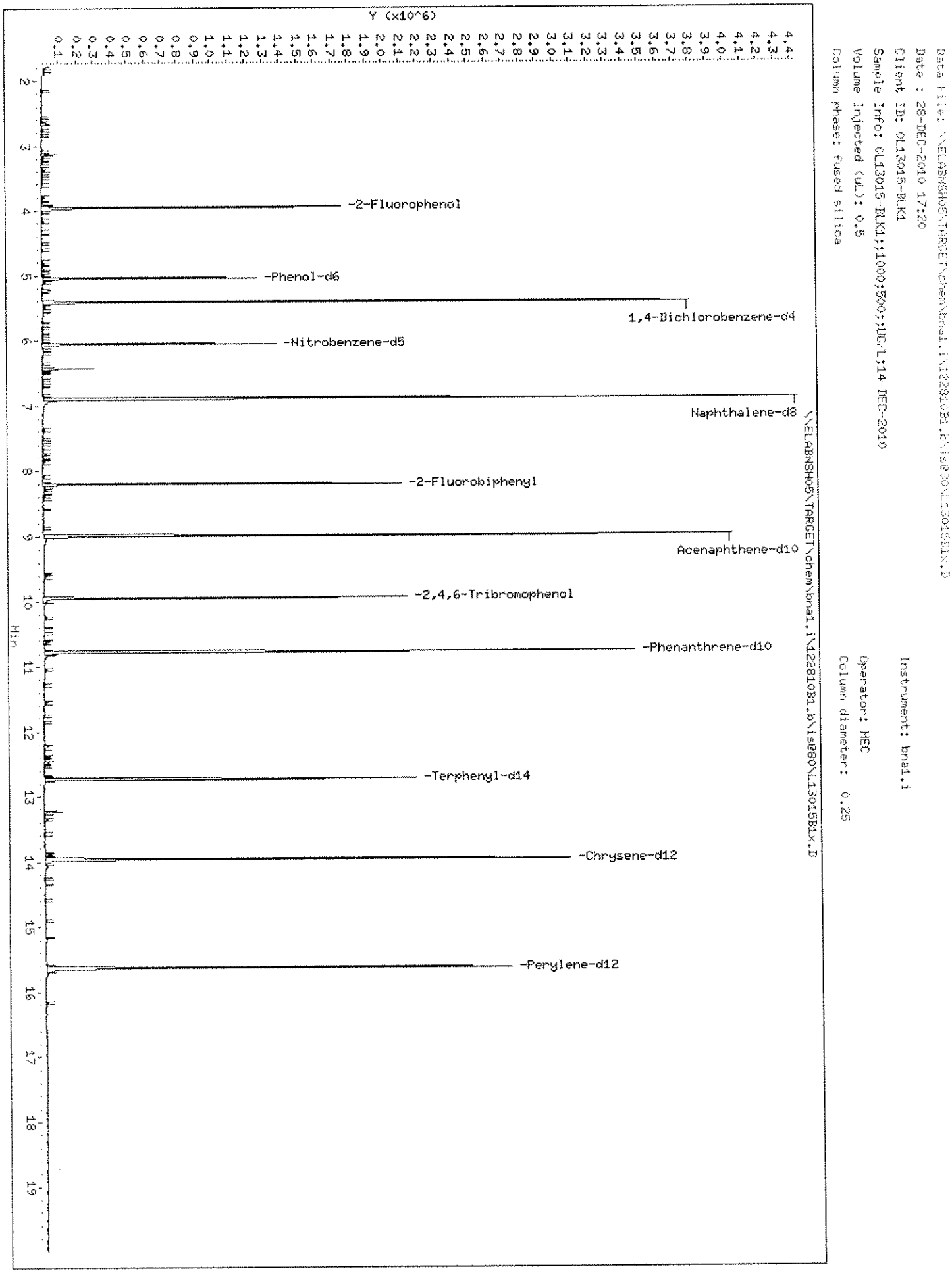
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
* 1 1,4-Dichlorobenzene-d4	152	5.407	5.402	(1.000)	808397	80.0000	
$ 2 2-Fluorophenol	112	3.946	3.953	(0.730)	625338	48.7979	24.40
$ 3 Phenol-d6	99	5.040	5.061	(0.932)	518388	34.9030	17.45
* 33 Naphthalene-d8	136	6.889	6.890	(1.000)	2350289	80.0000	
$ 34 Nitrobenzene-d5	82	6.046	6.058	(0.878)	449337	45.2705	22.64
* 69 Acenaphthene-d10	164	8.991	8.995	(1.000)	1168423	80.0000	
$ 74 2-Fluorobiphenyl	172	8.202	8.211	(0.912)	683061	35.0091	17.50
* 102 Phenanthrene-d10	188	10.775	10.774	(1.000)	1614807	80.0000	
$ 107 2,4,6-Tribromophenol	330	9.937	9.947	(0.922)	308611	99.5563	49.78
* 132 Chrysene-d12	240	13.958	13.962	(1.000)	1558904	80.0000	
134 Pyrene	202	12.483	12.497	(0.894)	17447	0.66519	0.3326(a)
$ 135 Terphenyl-d14	244	12.728	12.729	(0.912)	735338	43.5497	21.77
* 154 Perylene-d12	264	15.626	15.626	(1.000)	1387464	80.0000	

12/30

Data File: L13015B1x.D
Report Date: 30-Dec-2010 13:59

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).


Data File: \\ELABNSHO5\TARGET\chem\bnai.i\122810B1.b\is080\L13015B1x.D
Date : 28-DEC-2010 17:20
Client ID: OL13015-BLK1
Sample Info: OL13015-BLK1;;1000;500;;UG/L;14-DEC-2010
Volume Injected (uL): 0.5
Column phase: fused silica
Instrument: bnai.i
Operator: MEC
Column diameter: 0.25
Y (x10^6)
-2-Fluorophenol
-Phenol-d6
1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
Naphthalene-d8
-2-Fluorobiphenyl
Acenaphthene-d10
-2,4,6-Tribromophenol
-Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-Perylene-d12
Min

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\1212501.D
Report Date: 30-Dec-2010 13:49

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\1212501.D
Lab Smp Id: 1012125-01
Inj Date : 28-DEC-2010 22:25 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : 1012125-01;;1000;1000;;UG/L;14-DEC-2010
Misc Info : ;0;;;;0L13015;ppbnax.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\IXBN1D.m
Meth Date : 30-Dec-2010 13:40 mcobb Quant Type: ISTD
Cal Date : 19-DEC-2010 03:11 Cal File: SEQ-CALK.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ppbnax.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	0.500	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

M 1/4/11

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
* 1 1,4-Dichlorobenzene-d4	152	5.401	5.402	(1.000)	456624	40.0000	
$ 2 2-Fluorophenol	112	3.947	3.953	(0.731)	401241	27.7158	27.72
$ 3 Phenol-d6	99	5.034	5.061	(0.932)	319303	19.0303	19.03
11 bis(2-Chloroethyl)ether	93	5.129	5.136	(0.950)	14962	1.01827	1.018(a)
16 1,2-Dichlorobenzene	146	5.592	5.593	(1.035)	14139	0.87669	0.8767(a)
* 33 Naphthalene-d8	136	6.885	6.890	(1.000)	1356234	40.0000	
$ 34 Nitrobenzene-d5	82	6.047	6.058	(0.878)	451444	39.4097	39.41
* 69 Acenaphthene-d10	164	8.985	8.995	(1.000)	637150	40.0000	
$ 74 2-Fluorobiphenyl	172	8.200	8.211	(0.913)	804580	37.8111	37.81
* 102 Phenanthrene-d10	188	10.765	10.774	(1.000)	1035251	40.0000	
$ 107 2,4,6-Tribromophenol	330	9.936	9.947	(0.923)	313833	78.9589	78.96
* 132 Chrysene-d12	240	13.953	13.962	(1.000)	927158	40.0000	
$ 135 Terphenyl-d14	244	12.726	12.729	(0.912)	796403	39.6521	39.65
* 154 Perylene-d12	264	15.619	15.626	(1.000)	669196	40.0000	

12/30

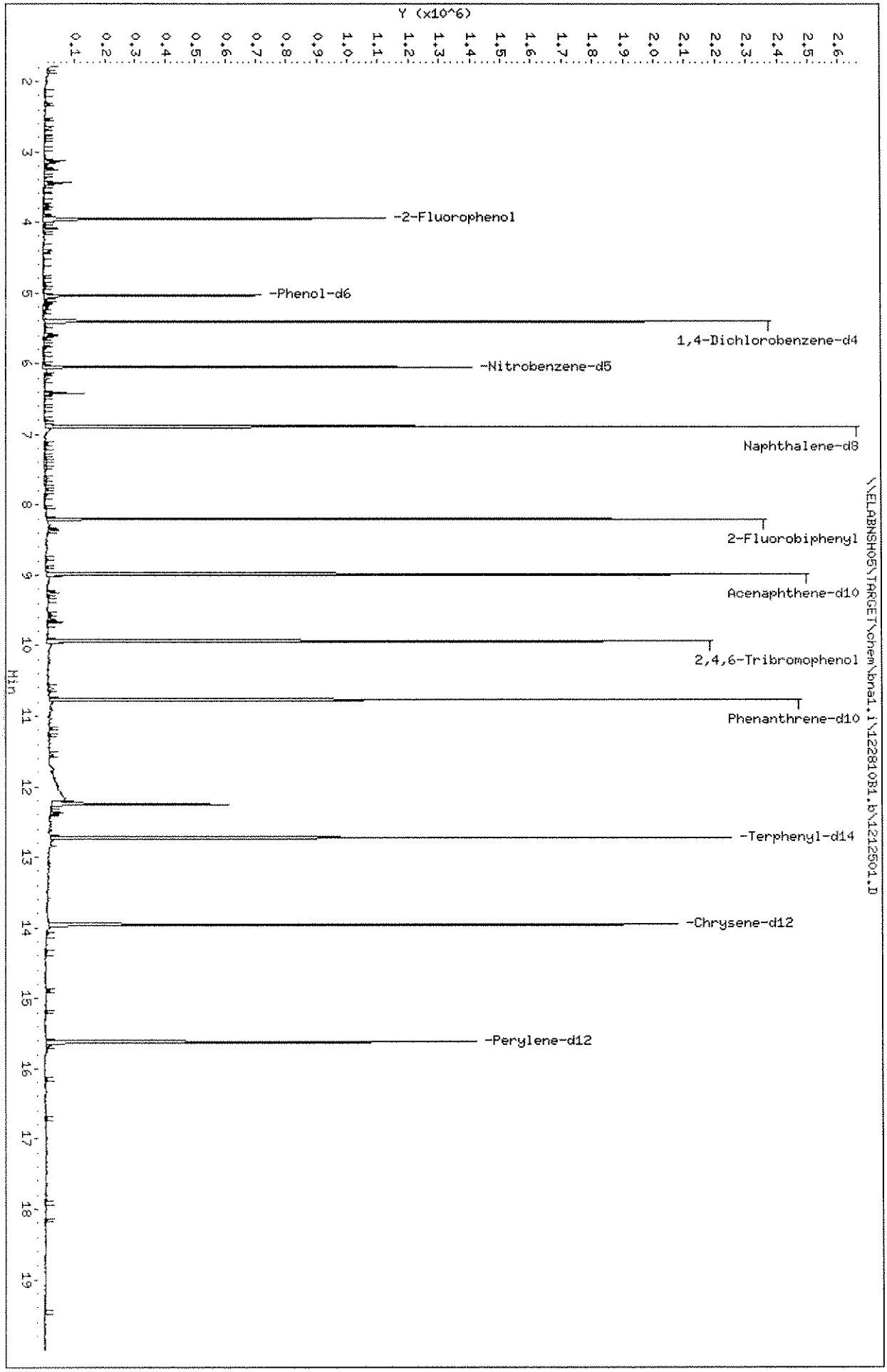
Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\1212501.D
Report Date: 30-Dec-2010 13:49

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\1212501.D
Date : 28-DEC-2010 22:25
Client ID:
Sample Info: 1012125-01;;1000;1000;;UG/L;14-DEC-2010
Volume Injected (uL): 0.5
Column phase: fused silica

Instrument: bna1.i
Operator: HEC
Column diameter: 0.25



Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\1212501.D

Date : 28-DEC-2010 22:25

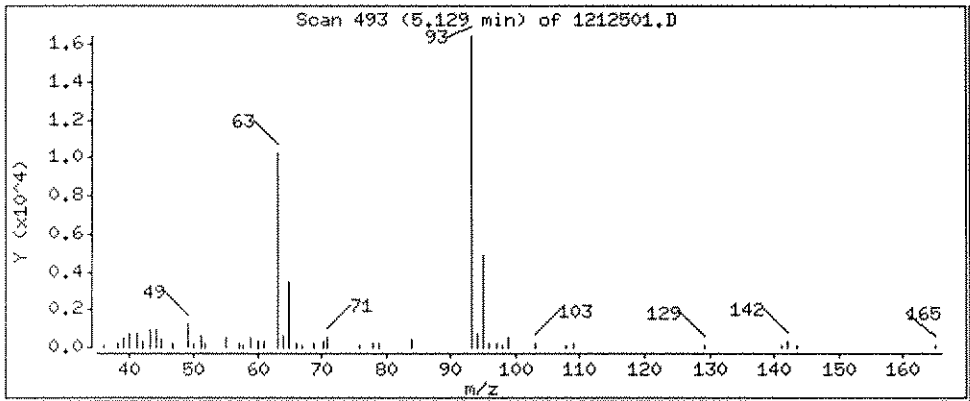
Client ID: | Instrument: bna1.i

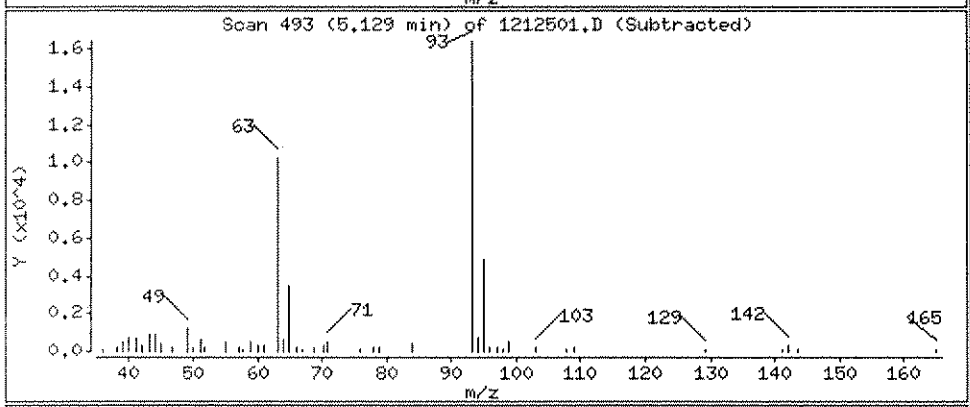
Sample Info: 1012125-01;;1000;1000;;UG/L;14-DEC-2010

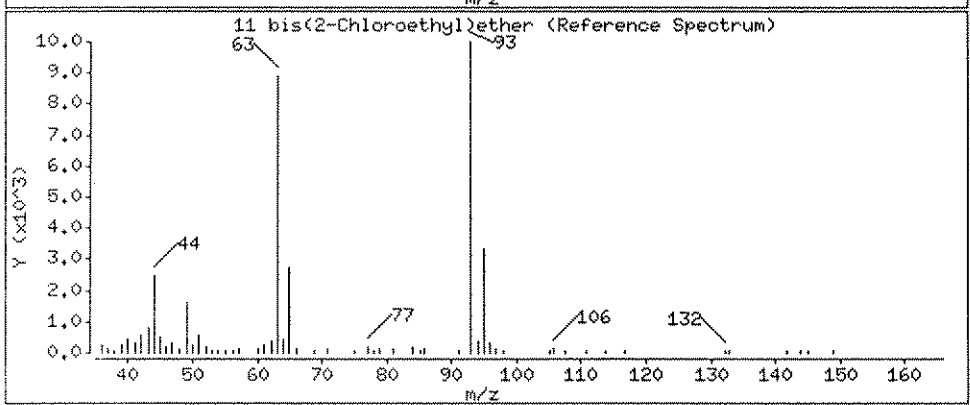
Volume Injected (uL): 0.5 | Operator: MEC

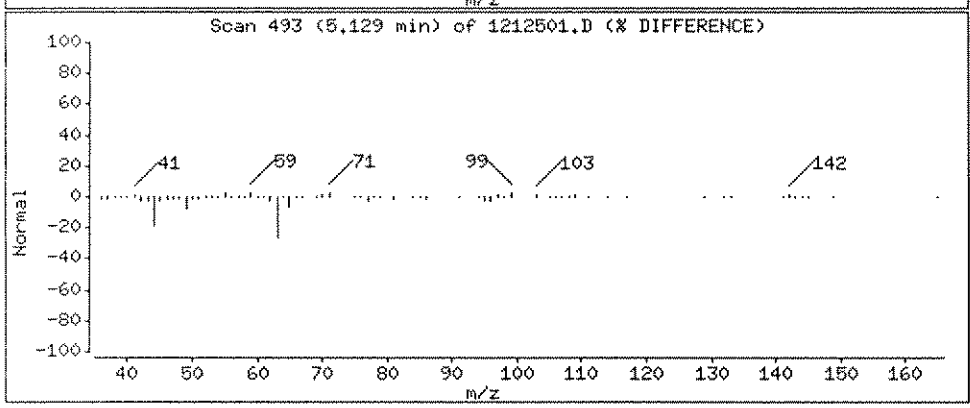
Column phase: fused silica | Column diameter: 0.25

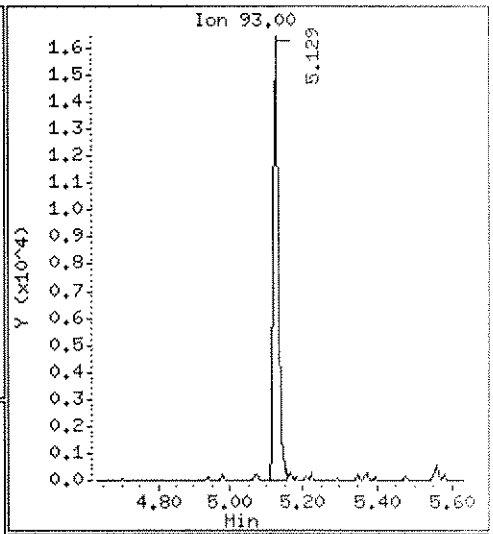
11 bis(2-Chloroethyl)ether | Concentration: 1.018 UG/L

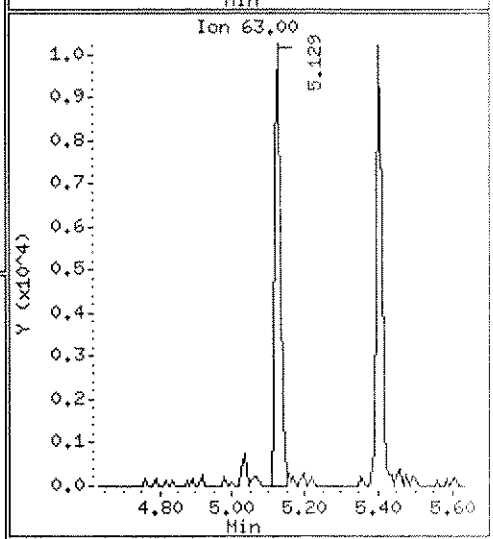


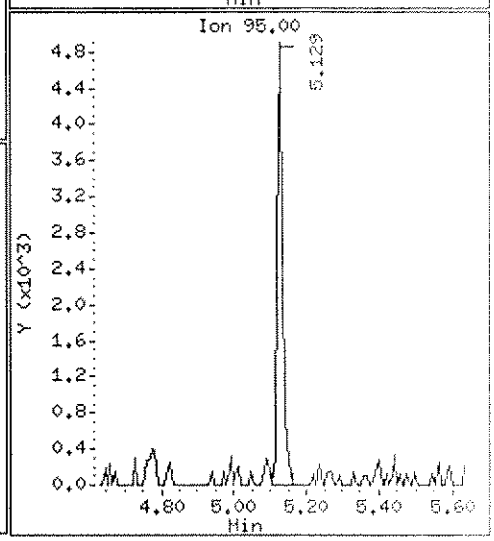












Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\1212501.D

Date : 28-DEC-2010 22:25

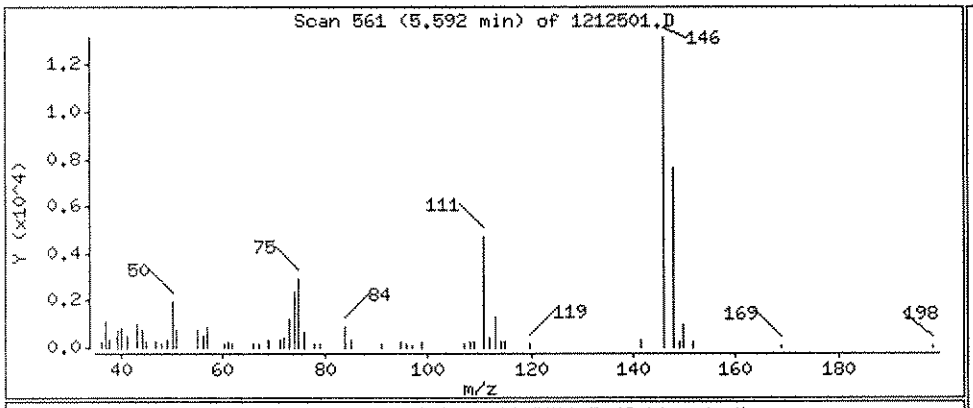
Client ID: | Instrument: bna1.i

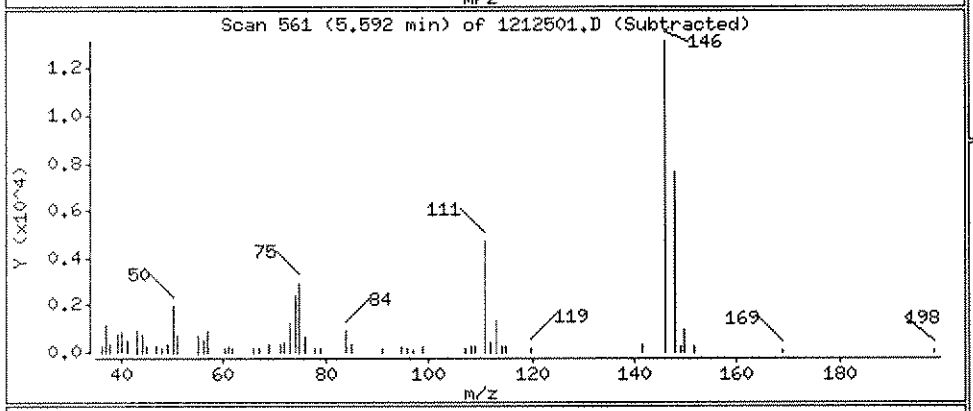
Sample Info: 1012125-01;;1000;1000;;UG/L;14-DEC-2010

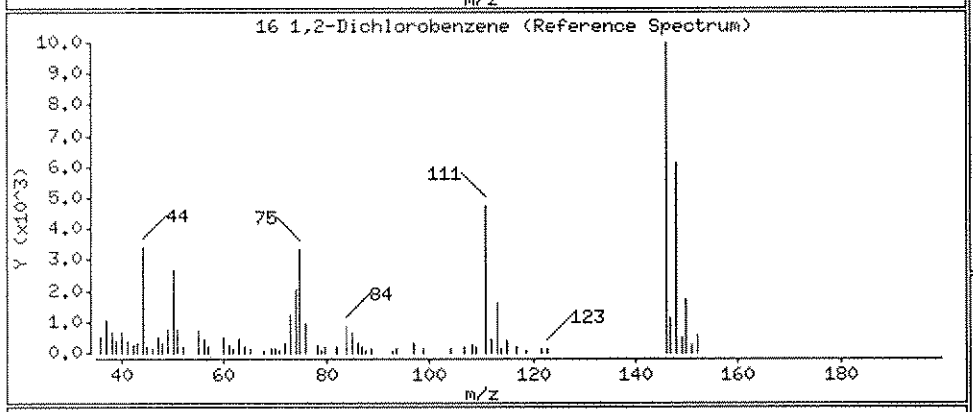
Volume Injected (uL): 0.5 | Operator: MEC

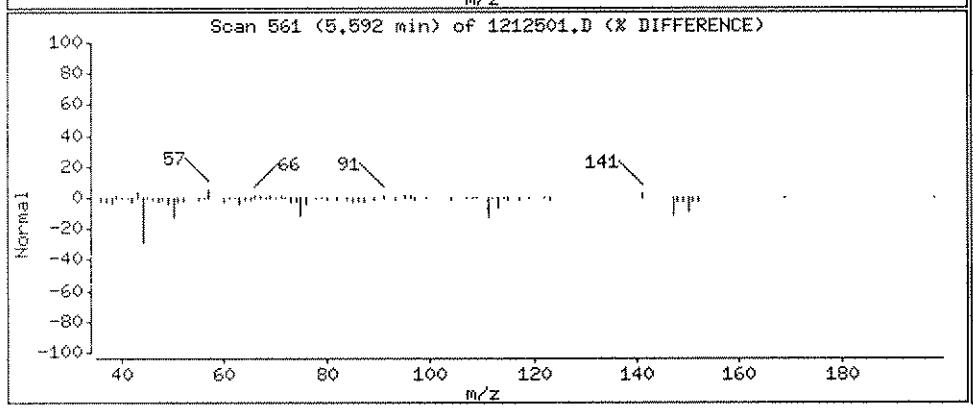
Column phase: fused silica | Column diameter: 0.25

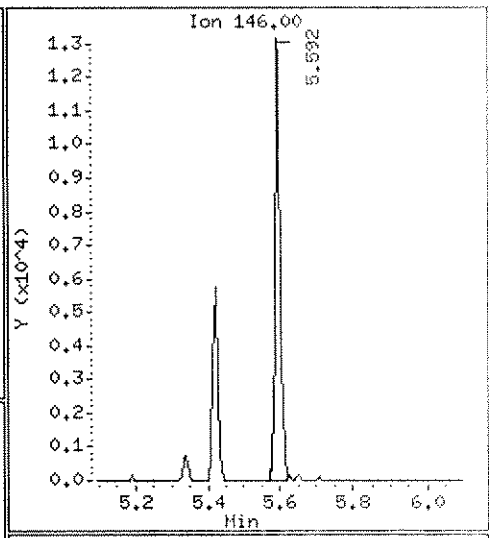
16 1,2-Dichlorobenzene | Concentration: 0.8767 UG/L

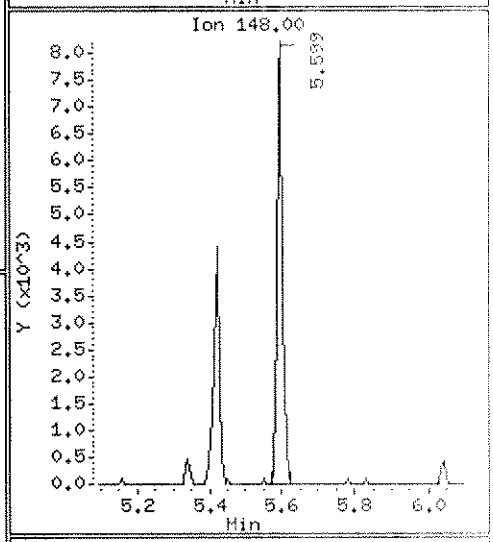


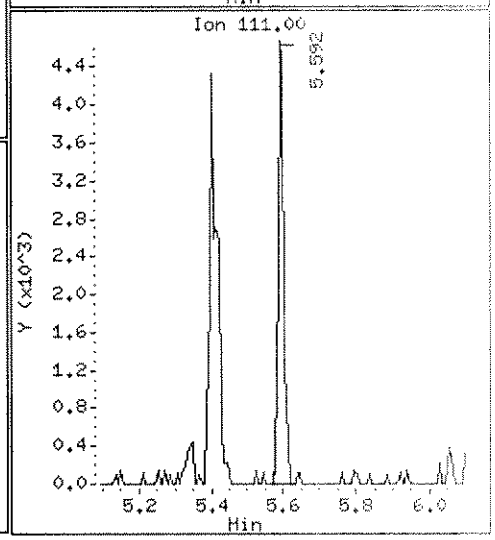












Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\1212502.D
Report Date: 30-Dec-2010 13:49

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\1212502.D
Lab Smp Id: 1012125-02
Inj Date : 28-DEC-2010 22:53 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : 1012125-02;;1000;1000;;UG/L;14-DEC-2010
Misc Info : ;0;;;;0L13015;ppbnax.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\IXBN1D.m
Meth Date : 30-Dec-2010 13:40 mcobb Quant Type: ISTD
Cal Date : 19-DEC-2010 03:11 Cal File: SEQ-CALK.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ppbnax.sub
Target Version: 4.04
Processing Host: TARGET09_VM

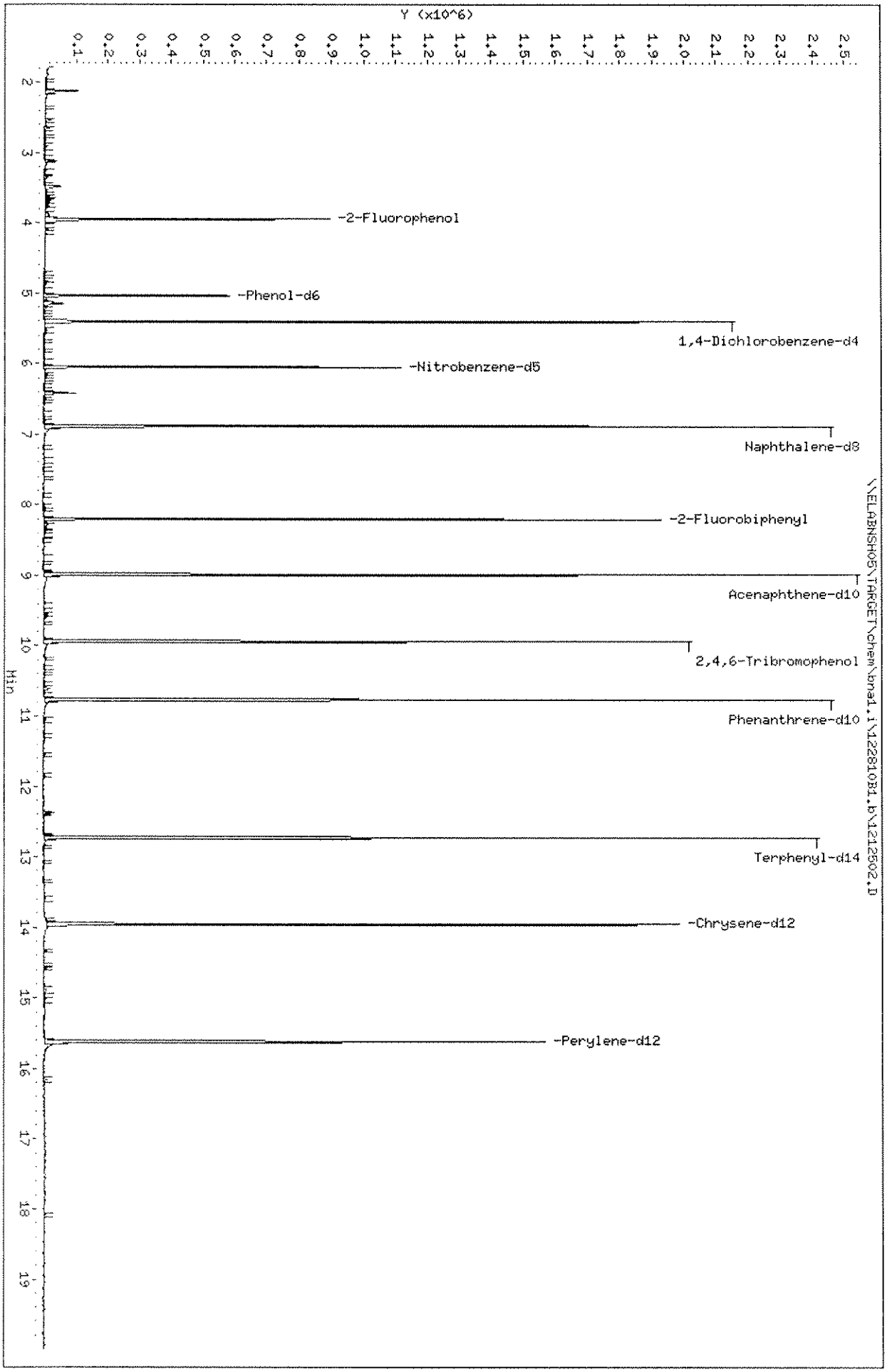
Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	0.500	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

Vt/Vi

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
* 1 1,4-Dichlorobenzene-d4	152	5.400	5.402	(1.000)	427976	40.0000	
$ 2 2-Fluorophenol	112	3.946	3.953	(0.731)	330090	24.3273	24.33
$ 3 Phenol-d6	99	5.040	5.061	(0.933)	259102	16.4761	16.48
* 33 Naphthalene-d8	136	6.881	6.890	(1.000)	1309504	40.0000	
$ 34 Nitrobenzene-d5	82	6.045	6.058	(0.879)	358035	32.3708	32.37
* 69 Acenaphthene-d10	164	8.988	8.995	(1.000)	656332	40.0000	
$ 74 2-Fluorobiphenyl	172	8.199	8.211	(0.912)	631952	28.8305	28.83
* 102 Phenanthrene-d10	188	10.765	10.774	(1.000)	999176	40.0000	
$ 107 2,4,6-Tribromophenol	330	9.940	9.947	(0.923)	306741	79.9609	79.96
* 132 Chrysene-d12	240	13.952	13.962	(1.000)	892129	40.0000	
$ 135 Terphenyl-d14	244	12.726	12.729	(0.912)	838401	43.3822	43.38
* 154 Perylene-d12	264	15.617	15.626	(1.000)	747782	40.0000	

12/35 L


Data File: \\ELABNSH05\TARGET\chem\bna1.i\12281081.b\1212502.D
Date : 28-DEC-2010 22:53
Client ID:
Sample Info: 1012125-02;1000;1000;UG/L;14-DEC-2010
Volume Injected (uL): 0.5
Column phase: fused silica
Instrument: bna1.i
Operator: MEC
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6
1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
Naphthalene-d8
-2-Fluorobiphenyl
Acenaphthene-d10
2,4,6-Tribromophenol
Phenanthrene-d10
Terphenyl-d14
-Chrysene-d12
-Perylene-d12
\\ELABNSH05\TARGET\chem\bna1.i\12281081.b\1212502.D

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\1212503.D
Report Date: 30-Dec-2010 13:49

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\1212503.D
Lab Smp Id: 1012125-03
Inj Date : 28-DEC-2010 23:20 MS Autotune Date: 08-DEC-2010 05:57
Operator : MEC Inst ID: bna1.i
Smp Info : 1012125-03;;1000;1000;;UG/L;14-DEC-2010
Misc Info : ;0;;;;0L13015;ppbnax.sub;
Comment :
Method : \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\IXBN1D.m
Meth Date : 30-Dec-2010 13:40 mcobb Quant Type: ISTD
Cal Date : 19-DEC-2010 03:11 Cal File: SEQ-CALK.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ppbnax.sub
Target Version: 4.04
Processing Host: TARGET09_VM

Concentration Formula: Amt * DF * Uf * Vt* Vi/(Amt * Vi)

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	0.500	Volume injected (uL)
Amt	1000.000	Volume of initial extraction

M 1/4/11

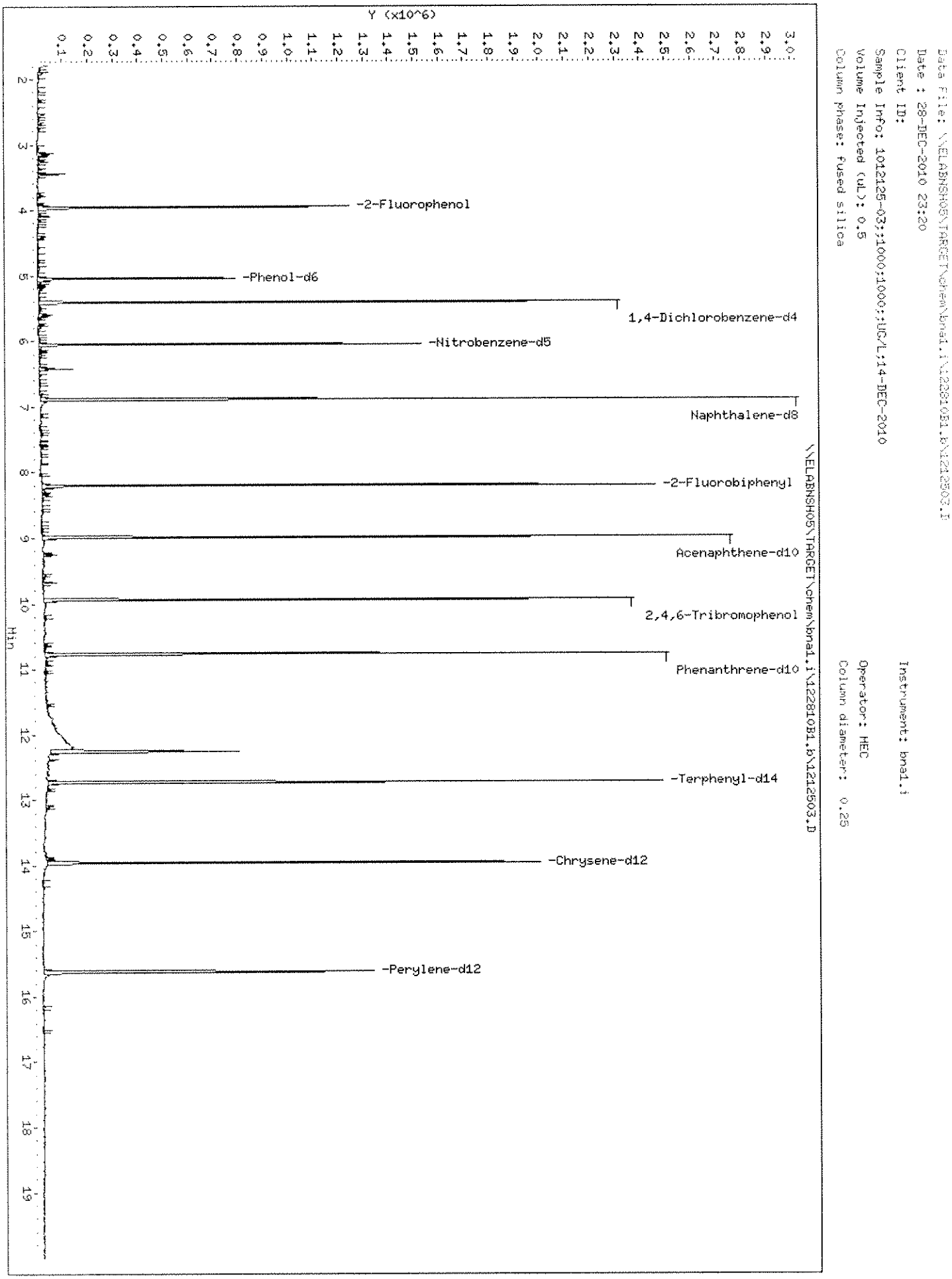
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng/ul)	FINAL (UG/L)
* 1 1,4-Dichlorobenzene-d4	152	5.401	5.402	(1.000)	446837	40.0000	
$ 2 2-Fluorophenol	112	3.946	3.953	(0.731)	447538	31.5909	31.59
$ 3 Phenol-d6	99	5.040	5.061	(0.933)	339784	20.6946	20.69
11 bis(2-Chloroethyl)ether	93	5.129	5.136	(0.950)	12837	0.89279	0.8928(a)
16 1,2-Dichlorobenzene	146	5.592	5.593	(1.035)	16572	1.05006	1.050(a)
* 33 Naphthalene-d8	136	6.885	6.890	(1.000)	1464053	40.0000	
$ 34 Nitrobenzene-d5	82	6.047	6.058	(0.878)	497530	40.2343	40.23
* 69 Acenaphthene-d10	164	8.987	8.995	(1.000)	690615	40.0000	
$ 74 2-Fluorobiphenyl	172	8.201	8.211	(0.913)	798793	34.6330	34.63
* 102 Phenanthrene-d10	188	10.768	10.774	(1.000)	1024865	40.0000	
$ 107 2,4,6-Tribromophenol	330	9.937	9.947	(0.923)	347417	88.2942	88.29
* 132 Chrysene-d12	240	13.956	13.962	(1.000)	904093	40.0000	
$ 135 Terphenyl-d14	244	12.726	12.729	(0.912)	941762	48.0856	48.08
* 154 Perylene-d12	264	15.616	15.626	(1.000)	605209	40.0000	

12/30

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\1212503.D
Report Date: 30-Dec-2010 13:49

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).


Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\1212503.D
Date : 28-DEC-2010 23:20
Client ID:
Sample Info: 1012125-03;1000;1000;;UG/L;14-DEC-2010
Volume Injected (uL): 0.5
Column phase: fused silica
Instrument: bna1.i
Operator: HEC
Column diameter: 0.25
Y (x10^6)
Min
-2-Fluorophenol
-Phenol-d6
1,4-Dichlorobenzene-d4
-Nitrobenzene-d5
Naphthalene-d8
-2-Fluorobiphenyl
Acenaphthene-d10
2,4,6-Tribromophenol
Phenanthrene-d10
-Terphenyl-d14
-Chrysene-d12
-Perylene-d12
\\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\1212503.D

Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\1212503.D

Date : 28-DEC-2010 23:20

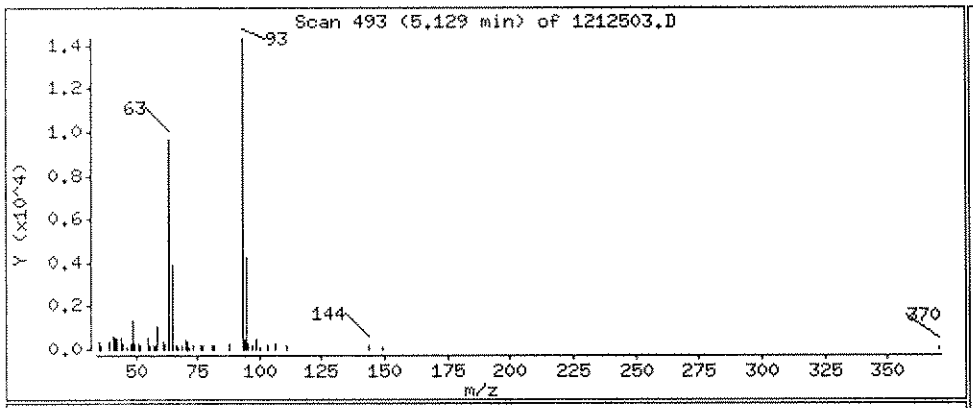
Client ID: | Instrument: bna1.i

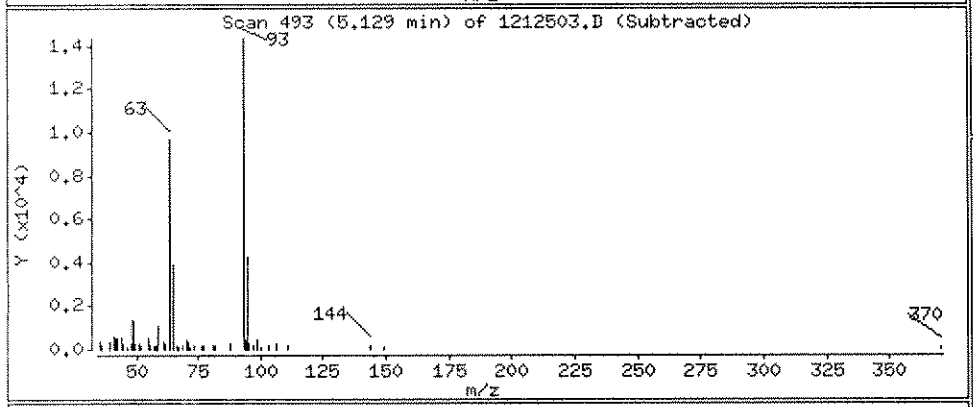
Sample Info: 1012125-03;;1000;1000;;UG/L;14-DEC-2010

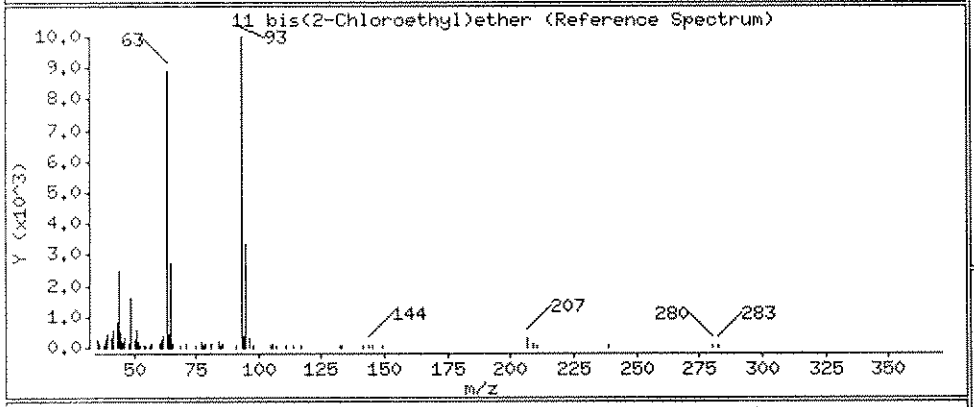
Volume Injected (uL): 0.5 | Operator: MEC

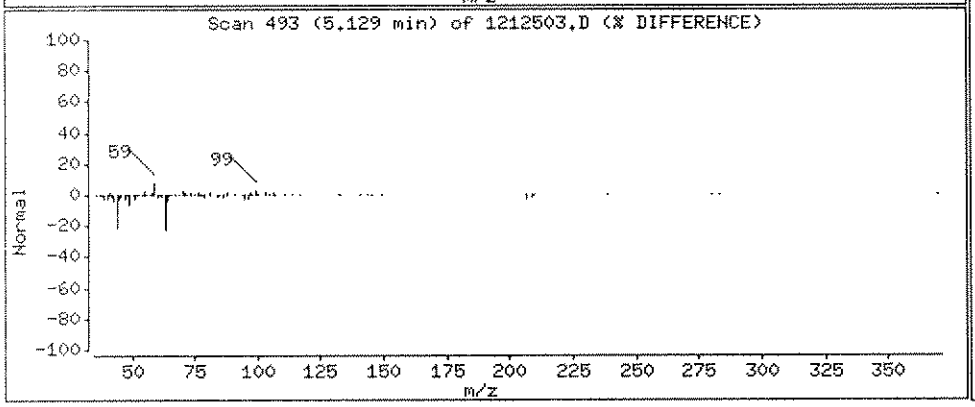
Column phase: fused silica | Column diameter: 0.25

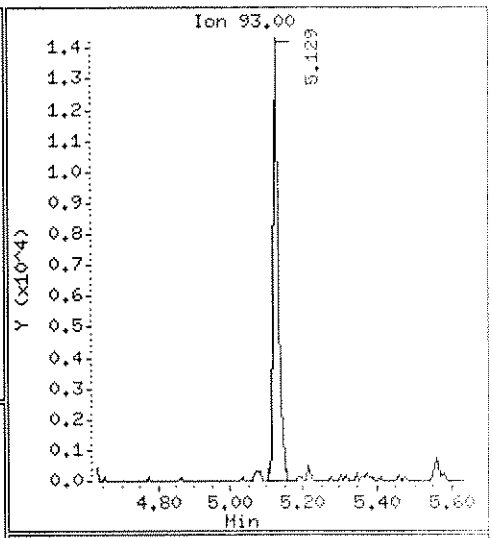
11 bis(2-Chloroethyl)ether | Concentration: 0.8928 UG/L

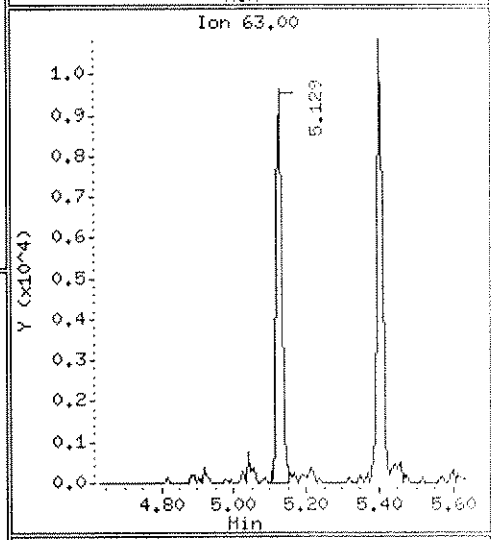


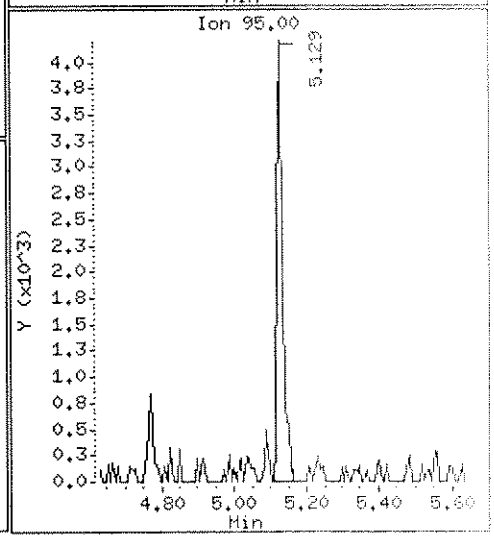












Data File: \\ELABNSH05\TARGET\chem\bna1.i\122810B1.b\1212503.D

Date : 28-DEC-2010 23:20

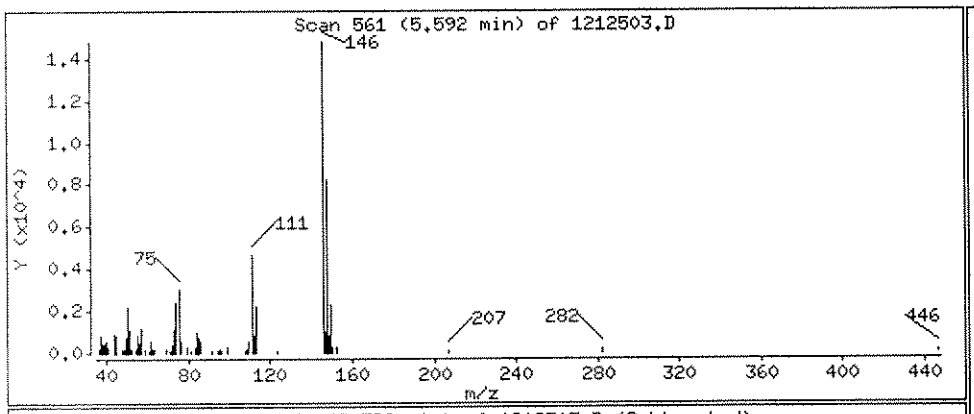
Client ID: | Instrument: bna1.i

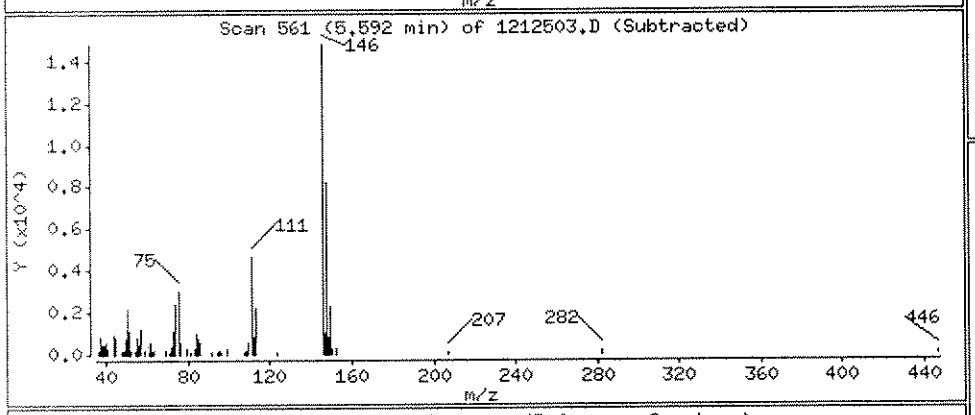
Sample Info: 1012125-03;;1000;1000;;UG/L;14-DEC-2010

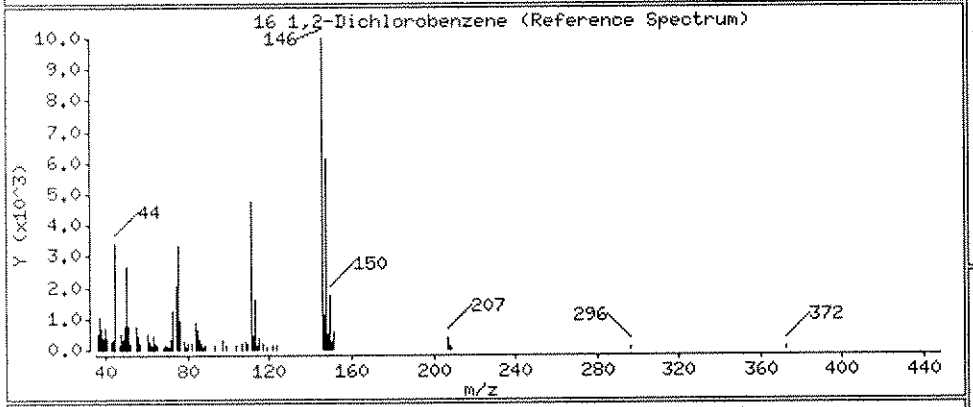
Volume Injected (uL): 0.5 | Operator: MEC

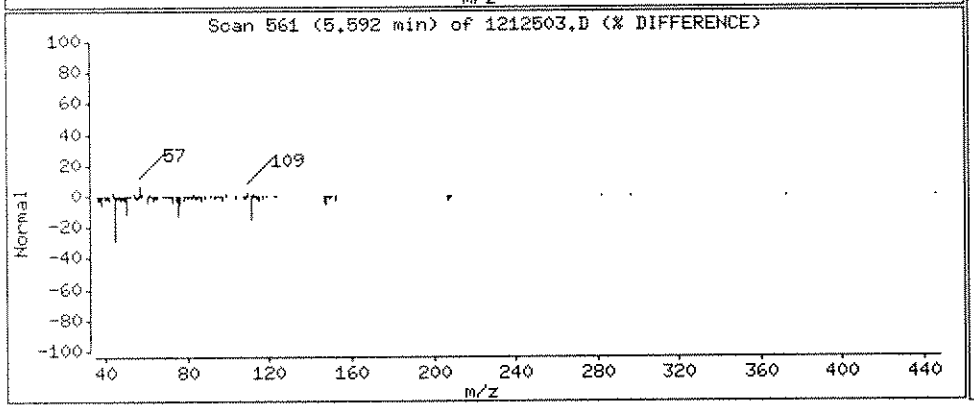
Column phase: fused silica | Column diameter: 0.25

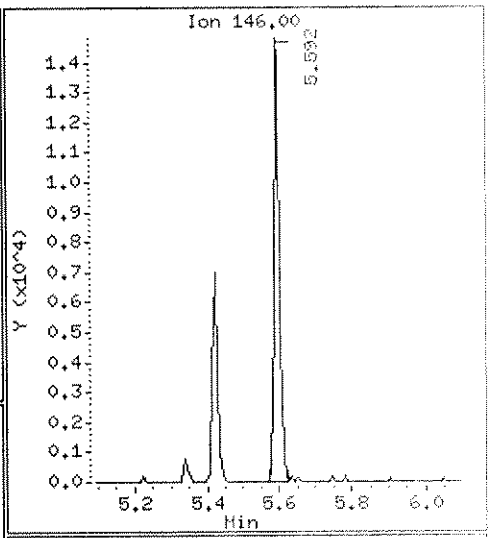
16 1,2-Dichlorobenzene | Concentration: 1.050 UG/L

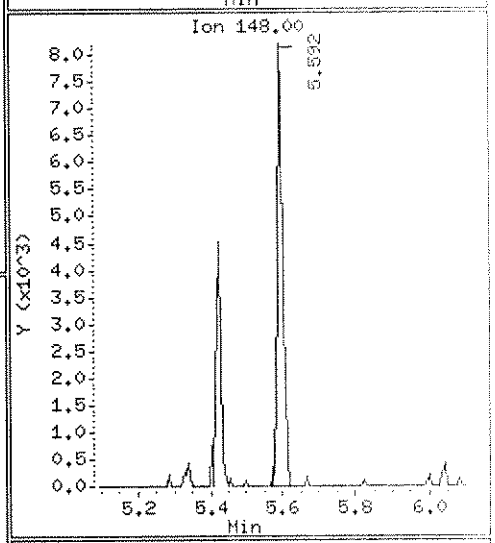


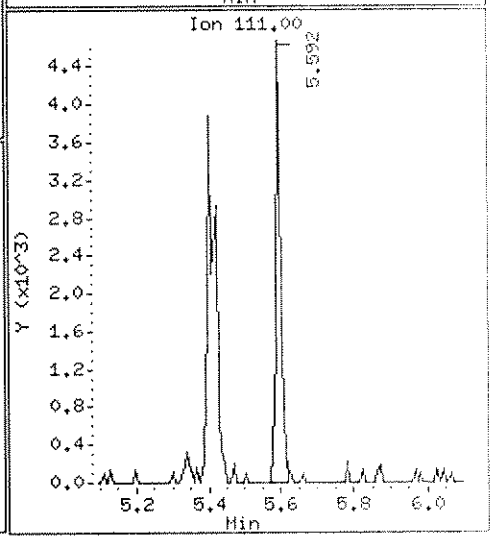












PREPARATION BENCH SHEET

0L13015

Empirical Laboratories, LLC

Printed: 1/4/2011 4:04:05PM

478

Matrix: Water **Prepared using: EXT - EXT_3510** **Surrogate used: 10L0464**

Lab Number	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
0L13015-BLK1	QC	12/14/2010 17:51	1000	0.5				250	
0L13015-BS1	QC	12/14/2010 17:51	1000	0.5	10K0352		250	250	
0L13015-BSD1	QC	12/14/2010 17:51	1000	0.5	10K0352		250	250	
1012118-01	SMS_BNA_8270C_3510_REG	12/14/2010 17:51	1070	0.5				250	conc to 0.5mL
1012118-02	SMS_BNA_8270C_3510_REG	12/14/2010 17:51	1070	0.5				250	conc to 0.5mL
1012118-03	SMS_BNA_8270C_3510_REG	12/14/2010 17:51	1080	0.5				250	conc to 0.5mL
1012118-04	SMS_BNA_8270C_3510_REG	12/14/2010 17:51	1070	0.5				250	conc to 0.5mL
1012118-05	SMS_BNA_8270C_3510_REG	12/14/2010 17:51	1070	0.5				250	Low Sample Volume!!!conc to 0.5mL
1012118-06	SMS_BNA_8270C_3510_REG	12/14/2010 17:51	1070	0.5				250	conc to 0.5mL
1012118-07	SMS_BNA_8270C_3510_REG	12/14/2010 17:51	1065	0.5				250	conc to 0.5mL
1012118-08	SMS_BNA_8270C_3510_REG	12/14/2010 17:51	1060	0.5				250	conc to 0.5mL
1012118-09	SMS_BNA_8270C_3510_REG	12/14/2010 17:51	1080	0.5				250	conc to 0.5mL
1012118-10	SMS_BNA_8270C_3510_REG	12/14/2010 17:51	1080	0.5				250	conc to 0.5mL
1012125-01	SMS_BNA_8270D_3510_REG	12/14/2010 17:51	1080	1				500	See Version Client List
1012125-02	SMS_BNA_8270D_3510_REG	12/14/2010 17:51	1080	1				500	See Version Client List
1012125-03	SMS_BNA_8270D_3510_REG	12/14/2010 17:51	1080	1				500	See Version Client List

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTO154OURI_002

Data for FLPRO Forms

ANALYSIS SEQUENCE SUMMARY

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0K32712	Instrument:	GL-GCFID2
Calibration:	0327002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0K32712-CAL6	003F0301.D	11/19/10 12:39
Cal Standard	0K32712-CAL5	004F0401.D	11/19/10 13:32
Cal Standard	0K32712-CAL4	005F0501.D	11/19/10 14:24
Cal Standard	0K32712-CAL3	006F0601.D	11/19/10 15:17
Cal Standard	0K32712-CAL2	007F0701.D	11/19/10 16:09
Cal Standard	0K32712-CAL1	008F0801.D	11/19/10 17:02
Initial Cal Check	0K32712-ICV1	009F1001.D	11/22/10 09:08

ANALYSIS SEQUENCE SUMMARY

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L35103	Instrument:	GL-GCFID2
Calibration:	0327002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0L35103-CCV1	002F0201.D	12/14/10 17:20
LCS	0L13001-BS1	005F0501.D	12/14/10 19:26
Calibration Check	0L35103-CCV2	020F2001.D	12/15/10 05:55
Calibration Check	0L35103-CCV3	033F3301.D	12/15/10 15:02
Blank	0L13001-BLK1	039F3901.D	12/15/10 19:15
Calibration Check	0L35103-CCV4	045F4501.D	12/15/10 23:27
Calibration Check	0L35103-CCV5	056F5601.D	12/16/10 07:13
JAX-MW-780-DUP01-GW20101210	1012125-03	063F6301.D	12/16/10 12:09
Calibration Check	0L35103-CCV6	064F6401.D	12/16/10 12:51

ANALYSIS SEQUENCE SUMMARY

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L35416	Instrument:	GL-GCFID2
Calibration:	0354003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0L35416-CAL6	003F0401.D	12/17/10 16:36
Cal Standard	0L35416-CAL5	004F0501.D	12/17/10 17:18
Cal Standard	0L35416-CAL4	005F0601.D	12/17/10 18:00
Cal Standard	0L35416-CAL3	006F0701.D	12/17/10 18:42
Cal Standard	0L35416-CAL2	007F0801.D	12/17/10 19:24
Cal Standard	0L35416-CAL1	008F0901.D	12/17/10 20:07
Initial Cal Check	0L35416-ICV1	009F1001.D	12/17/10 20:49

ANALYSIS SEQUENCE SUMMARY
FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L35502	Instrument:	GL-GCFID2
Calibration:	0354003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0L35502-CCV1	010F1101.D	12/17/10 21:31
Blank	0L14021-BLK1	011F1201.D	12/17/10 22:13
LCS	0L14021-BS1	012F1301.D	12/17/10 22:55
LCS Dup	0L14021-BSD1	013F1401.D	12/17/10 23:37
JAX-MW-780-1-GW20101210	1012125-01	016F1701.D	12/18/10 01:43
JAX-EW-780-2-GW20101210	1012125-02	017F1801.D	12/18/10 02:25
Calibration Check	0L35502-CCV2	024F2501.D	12/18/10 07:18

ANALYSIS DATA SHEET

JAX-MW-780-1-GW20101210

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-01	File ID:	016F1701.D
Sampled:	12/10/10 14:52	Prepared:	12/15/10 12:30	Analyzed:	12/18/10 01:43
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 0L14021 Sequence: 0L35502 Calibration: 0354003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics		0.157	0.315	0.630	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	0.04630	0.04047	87.4	50 - 150	
o-Terphenyl	0.04630	0.04292	92.7	82 - 142	

ANALYSIS DATA SHEET

JAX-EW-780-2-GW20101210

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-02	File ID:	017F1801.D
Sampled:	12/10/10 15:22	Prepared:	12/15/10 12:30	Analyzed:	12/18/10 02:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 0L14021 Sequence: 0L35502 Calibration: 0354003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics		0.157	0.315	0.630	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	0.04630	0.04127	89.1	50 - 150	
o-Terphenyl	0.04630	0.04526	97.8	82 - 142	

ANALYSIS DATA SHEET

AX-MW-780-DUP01-GW2010121

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:	Ground Water	Laboratory ID:	1012125-03	File ID:	063F6301.D
Sampled:	12/10/10 00:00	Prepared:	12/14/10 12:45	Analyzed:	12/16/10 12:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 0L13001 Sequence: 0L35103 Calibration: 0327002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics	0.210	0.157	0.315	0.630	I

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	0.04630	0.03418	73.8	50 - 150	X
o-Terphenyl	0.04630	0.02336	50.5	82 - 142	*

LCS / LCS DUPLICATE RECOVERY

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Matrix:	Water		
Batch:	0L13001	Laboratory ID:	0L13001-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 2 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Petroleum Range Organics	3.200	2.102	65.7	55 - 118

LCS / LCS DUPLICATE RECOVERY

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Matrix:	Water		
Batch:	0L14021	Laboratory ID:	0L14021-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 2 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Petroleum Range Organics	3.200	2.752	86.0	55 - 118

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Petroleum Range Organics	3.200	2.606	81.4	5.45	30	55 - 118

PREPARATION BATCH SUMMARY

FLPRO

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2010

Batch: 0L13001 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
Blank	0L13001-BLK1	12/14/10 12:45	1,000.00	2.00
LCS	0L13001-BS1	12/14/10 12:45	1,000.00	2.00
JAX-MW-780-DUP01-GW20101210	1012125-03	12/14/10 12:45	1,080.00	2.00

PREPARATION BATCH SUMMARY

FLPRO

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2010

Batch: 0L14021 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
Blank	0L14021-BLK1	12/15/10 12:30	1,000.00	2.00
LCS	0L14021-BS1	12/15/10 12:30	1,000.00	2.00
LCS Dup	0L14021-BSD1	12/15/10 12:30	1,000.00	2.00
JAX-MW-780-1-GW20101210	1012125-01	12/15/10 12:30	1,080.00	2.00
JAX-EW-780-2-GW20101210	1012125-02	12/15/10 12:30	1,080.00	2.00

INITIAL CALIBRATION STANDARDS

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0K32712	Instrument:	GL-GCFID2
Calibration:	0327002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
10K0198	FLPRO CAL6 85ppm	0K32712-CAL6	003F0301.D	11/19/10 12:39
10K0199	FLPRO CAL5 850ppm	0K32712-CAL5	004F0401.D	11/19/10 13:32
10K0200	FLPRO CAL4 2550ppm	0K32712-CAL4	005F0501.D	11/19/10 14:24
10K0201	FLPRO CAL3 4250ppm	0K32712-CAL3	006F0601.D	11/19/10 15:17
10K0202	FLPRO CAL2 5950ppm	0K32712-CAL2	007F0701.D	11/19/10 16:09
10K0203	FLPRO CAL1 8500ppm	0K32712-CAL1	008F0801.D	11/19/10 17:02

INITIAL CALIBRATION STANDARDS

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L35416	Instrument:	GL-GCFID2
Calibration:	0354003		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
10K0198	FLPRO CAL6 85ppm	0L35416-CAL6	003F0401.D	12/17/10 16:36
10K0199	FLPRO CAL5 850ppm	0L35416-CAL5	004F0501.D	12/17/10 17:18
10K0200	FLPRO CAL4 2550ppm	0L35416-CAL4	005F0601.D	12/17/10 18:00
10L0688	FLPRO CAL3 4250ppm	0L35416-CAL3	006F0701.D	12/17/10 18:42
10K0202	FLPRO CAL2 5950ppm	0L35416-CAL2	007F0801.D	12/17/10 19:24
10K0203	FLPRO CAL1 8500ppm	0L35416-CAL1	008F0901.D	12/17/10 20:07

INITIAL CALIBRATION DATA
FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0327002	Instrument:	GL-GCFID2
Matrix:	Water	Calibration Date:	11/19/2010_12:00:47AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Petroleum Range Organics	85	1867.365	850	2113.14	2550	1944.453	4250	1742.526	5950	1852.694	8500	1769.594
2-Fluorobiphenyl	5	2121.4	10	2544.2	15	2639.133	25	2475.56	35	2698.857	50	2704.68
o-Terphenyl	5	3761	10	4160.6	15	4102.933	25	3702.96	35	3963.457	50	3726.86

INITIAL CALIBRATION DATA (Continued)

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0327002	Instrument:	GL-GCFID2
Matrix:	Water	Calibration Date:	11/19/2010 12:00:47AM

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Petroleum Range Organics	1881.629	7.149452	3.61	2.085746E-02			20	
2-Fluorobiphenyl	2530.638	8.67643	12.84083	0.2299164			20	
o-Terphenyl	3902.968	5.139546	19.69633	0.1115215			20	

INITIAL CALIBRATION DATA
FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0354003	Instrument:	GL-GCFID2
Matrix:	Water	Calibration Date:	12/17/2010_12:00:26AM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Petroleum Range Organics	85	1230.6	850	1267.415	2550	1087.003	4250	1038.585	5950	1203.68	8500	1142.754
2-Fluorobiphenyl	5	1779	10	1900	15	1816.933	25	1793.88	35	2083.657	50	2071.74
o-Terphenyl	5	2037.4	10	2080.6	15	1954.333	25	1836.84	35	2142.286	50	2126.7

INITIAL CALIBRATION DATA (Continued)

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0354003	Instrument:	GL-GCFID2
Matrix:	Water	Calibration Date:	12/17/2010 12:00:26AM

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Petroleum Range Organics	1161.673	7.581268	2.9	1.880959E-02			20	
2-Fluorobiphenyl	1907.535	7.252165	11.5235	0.0596244			20	
o-Terphenyl	2029.693	5.729139	17.02467	2.901856E-02			20	

INITIAL CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	GL-GCFID2	Calibration:	0327002
Lab File ID:	009F1001.D	Calibration Date:	11/19/10 00:00
Sequence:	0K32712	Injection Date:	11/22/10
Lab Sample ID:	0K32712-ICV1	Injection Time:	09:08

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Petroleum Range Organics	A	4000	4122	1881.629	1938.788		3.0	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

INITIAL CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	GL-GCFID2	Calibration:	0354003
Lab File ID:	009F1001.D	Calibration Date:	12/17/10 00:00
Sequence:	0L35416	Injection Date:	12/17/10
Lab Sample ID:	0L35416-ICV1	Injection Time:	20:49

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Petroleum Range Organics	A	4000	4535	1161.673	1316.997		13.4	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	GL-GCFID2	Calibration:	0327002
Lab File ID:	002F0201.D	Calibration Date:	11/19/10 00:00
Sequence:	0L35103	Injection Date:	12/14/10
Lab Sample ID:	0L35103-CCV1	Injection Time:	17:20

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	3756	1881.629	1662.927		-11.6	25
2-Fluorobiphenyl	A	25.00	30.01	2530.638	3037.56		20.0	25
o-Terphenyl	A	25.00	19.48	3902.968	3041.4		-22.1	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	GL-GCFID2	Calibration:	0327002
Lab File ID:	020F2001.D	Calibration Date:	11/19/10 00:00
Sequence:	0L35103	Injection Date:	12/15/10
Lab Sample ID:	0L35103-CCV2	Injection Time:	05:55

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	3839	1881.629	1699.716		-9.7	25
2-Fluorobiphenyl	A	25.00	30.88	2530.638	3126.08		23.5	25
o-Terphenyl	A	25.00	20.06	3902.968	3132.32		-19.7	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	GL-GCFID2	Calibration:	0327002
Lab File ID:	033F3301.D	Calibration Date:	11/19/10 00:00
Sequence:	0L35103	Injection Date:	12/15/10
Lab Sample ID:	0L35103-CCV3	Injection Time:	15:02

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	5383	1881.629	2383.381		26.7	25 *
2-Fluorobiphenyl	A	25.00	41.63	2530.638	4213.96		66.5	25 *
o-Terphenyl	A	25.00	27.20	3902.968	4245.96		8.8	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	GL-GCFID2	Calibration:	0327002
Lab File ID:	045F4501.D	Calibration Date:	11/19/10 00:00
Sequence:	0L35103	Injection Date:	12/15/10
Lab Sample ID:	0L35103-CCV4	Injection Time:	23:27

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	4166	1881.629	1844.397		-2.0	25
2-Fluorobiphenyl	A	25.00	31.73	2530.638	3211.92		26.9	25 *
o-Terphenyl	A	25.00	20.88	3902.968	3259.68		-16.5	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	GL-GCFID2	Calibration:	0327002
Lab File ID:	056F5601.D	Calibration Date:	11/19/10 00:00
Sequence:	0L35103	Injection Date:	12/16/10
Lab Sample ID:	0L35103-CCV5	Injection Time:	07:13

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	5304	1881.629	2348.289		24.8	25
2-Fluorobiphenyl	A	25.00	42.74	2530.638	4326.4		71.0	25 *
o-Terphenyl	A	25.00	28.00	3902.968	4370.92		12.0	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	GL-GCFID2	Calibration:	0327002
Lab File ID:	064F6401.D	Calibration Date:	11/19/10 00:00
Sequence:	0L35103	Injection Date:	12/16/10
Lab Sample ID:	0L35103-CCV6	Injection Time:	12:51

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	3967	1881.629	1756.48		-6.7	25
2-Fluorobiphenyl	A	25.00	31.11	2530.638	3149.2		24.4	25
o-Terphenyl	A	25.00	20.66	3902.968	3225.2		-17.4	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	GL-GCFID2	Calibration:	0354003
Lab File ID:	010F1101.D	Calibration Date:	12/17/10 00:00
Sequence:	0L35502	Injection Date:	12/17/10
Lab Sample ID:	0L35502-CCV1	Injection Time:	21:31

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	3652	1161.673	998.2633		-14.1	25
2-Fluorobiphenyl	A	25.00	22.42	1907.535	1711.04		-10.3	25
o-Terphenyl	A	25.00	22.91	2029.693	1859.96		-8.4	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Instrument ID:	GL-GCFID2	Calibration:	0354003
Lab File ID:	024F2501.D	Calibration Date:	12/17/10 00:00
Sequence:	0L35502	Injection Date:	12/18/10
Lab Sample ID:	0L35502-CCV2	Injection Time:	07:18

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Petroleum Range Organics	A	4250	4136	1161.673	1130.484		-2.7	25
2-Fluorobiphenyl	A	25.00	24.11	1907.535	1839.56		-3.6	25
o-Terphenyl	A	25.00	23.99	2029.693	1948		-4.0	25

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L35103	Instrument:	GL-GCFID2
		Calibration:	0327002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (0L35103-CCV1) mg/L				Lab File ID: 002F0201.D		Analyzed: 12/14/10 17:20		
2-Fluorobiphenyl	25.00	120	75 - 125	11.513	11.513	0.0000	+/-0.050	
o-Terphenyl	25.00	77.9	75 - 125	17.02	17.02	0.0000	+/-0.050	
LCS (0L13001-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 12/14/10 19:26		
2-Fluorobiphenyl	0.05000	80.1	50 - 150	11.503	11.513	-0.0100	+/-0.050	
o-Terphenyl	0.05000	53.8	82 - 142	17.006	17.02	-0.0140	+/-0.050	*
Calibration Check (0L35103-CCV2) mg/L				Lab File ID: 020F2001.D		Analyzed: 12/15/10 05:55		
2-Fluorobiphenyl	25.00	124	75 - 125	11.51	11.513	-0.0030	+/-0.050	
o-Terphenyl	25.00	80.2	75 - 125	17.016	17.02	-0.0040	+/-0.050	
Calibration Check (0L35103-CCV3) mg/L				Lab File ID: 033F3301.D		Analyzed: 12/15/10 15:02		
2-Fluorobiphenyl	25.00	167	75 - 125	11.506	11.513	-0.0070	+/-0.050	*
o-Terphenyl	25.00	109	75 - 125	17.013	17.02	-0.0070	+/-0.050	
Blank (0L13001-BLK1) mg/L				Lab File ID: 039F3901.D		Analyzed: 12/15/10 19:15		
2-Fluorobiphenyl	0.05000	74.1	50 - 150	11.506	11.513	-0.0070	+/-0.050	
o-Terphenyl	0.05000	47.0	82 - 142	17.01	17.02	-0.0100	+/-0.050	*
Calibration Check (0L35103-CCV4) mg/L				Lab File ID: 045F4501.D		Analyzed: 12/15/10 23:27		
2-Fluorobiphenyl	25.00	127	75 - 125	11.503	11.513	-0.0100	+/-0.050	*
o-Terphenyl	25.00	83.5	75 - 125	17.01	17.02	-0.0100	+/-0.050	
Calibration Check (0L35103-CCV5) mg/L				Lab File ID: 056F5601.D		Analyzed: 12/16/10 07:13		
2-Fluorobiphenyl	25.00	171	75 - 125	11.506	11.513	-0.0070	+/-0.050	*
o-Terphenyl	25.00	112	75 - 125	17.016	17.02	-0.0040	+/-0.050	
JAX-MW-780-DUP01-GW20101210 (1012125-03) mg/L				Lab File ID: 063F6301.D		Analyzed: 12/16/10 12:09		
2-Fluorobiphenyl	0.04630	73.8	50 - 150	11.506	11.513	-0.0070	+/-0.050	
o-Terphenyl	0.04630	50.5	82 - 142	17.006	17.02	-0.0140	+/-0.050	*
Calibration Check (0L35103-CCV6) mg/L				Lab File ID: 064F6401.D		Analyzed: 12/16/10 12:51		
2-Fluorobiphenyl	25.00	124	75 - 125	11.506	11.513	-0.0070	+/-0.050	
o-Terphenyl	25.00	82.6	75 - 125	17.013	17.02	-0.0070	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

FLPRO

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L35502	Instrument:	GL-GCFID2
		Calibration:	0354003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (0L35502-CCV1) mg/L				Lab File ID: 010F1101.D		Analyzed: 12/17/10 21:31		
2-Fluorobiphenyl	25.00	89.7	75 - 125	11.52	11.52	0.0000	+/-0.050	
o-Terphenyl	25.00	91.6	75 - 125	17.023	17.023	0.0000	+/-0.050	
Blank (0L14021-BLK1) mg/L				Lab File ID: 011F1201.D		Analyzed: 12/17/10 22:13		
2-Fluorobiphenyl	0.05000	99.4	50 - 150	11.52	11.52	0.0000	+/-0.050	
o-Terphenyl	0.05000	104	82 - 142	17.023	17.023	0.0000	+/-0.050	
LCS (0L14021-BS1) mg/L				Lab File ID: 012F1301.D		Analyzed: 12/17/10 22:55		
2-Fluorobiphenyl	0.05000	85.6	50 - 150	11.52	11.52	0.0000	+/-0.050	
o-Terphenyl	0.05000	90.3	82 - 142	17.023	17.023	0.0000	+/-0.050	
LCS Dup (0L14021-BSD1) mg/L				Lab File ID: 013F1401.D		Analyzed: 12/17/10 23:37		
2-Fluorobiphenyl	0.05000	80.6	50 - 150	11.52	11.52	0.0000	+/-0.050	
o-Terphenyl	0.05000	86.9	82 - 142	17.023	17.023	0.0000	+/-0.050	
JAX-MW-780-1-GW20101210 (1012125-01) mg/L				Lab File ID: 016F1701.D		Analyzed: 12/18/10 01:43		
2-Fluorobiphenyl	0.04630	87.4	50 - 150	11.52	11.52	0.0000	+/-0.050	
o-Terphenyl	0.04630	92.7	82 - 142	17.023	17.023	0.0000	+/-0.050	
JAX-EW-780-2-GW20101210 (1012125-02) mg/L				Lab File ID: 017F1801.D		Analyzed: 12/18/10 02:25		
2-Fluorobiphenyl	0.04630	89.1	50 - 150	11.523	11.52	0.0030	+/-0.050	
o-Terphenyl	0.04630	97.8	82 - 142	17.026	17.023	0.0030	+/-0.050	
Calibration Check (0L35502-CCV2) mg/L				Lab File ID: 024F2501.D		Analyzed: 12/18/10 07:18		
2-Fluorobiphenyl	25.00	96.4	75 - 125	11.523	11.52	0.0030	+/-0.050	
o-Terphenyl	25.00	96.0	75 - 125	17.026	17.023	0.0030	+/-0.050	

HOLDING TIME SUMMARY
FLPRO

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2010

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
JAX-MW-780-1-GW20101210	12/10/10 14:52	12/11/10 11:30	12/15/10 12:30	4.94	7.00	12/18/10 01:43	2.55	40.00	
JAX-EW-780-2-GW20101210	12/10/10 15:22	12/11/10 11:30	12/15/10 12:30	4.92	7.00	12/18/10 02:25	2.58	40.00	
JAX-MW-780-DUP01-GW20101210	12/10/10 00:00	12/11/10 11:30	12/14/10 12:45	4.57	7.00	12/16/10 12:09	1.98	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2(

Matrix:		Laboratory ID:	0L13001-BLK1	File ID:	039F3901.D
Sampled:		Prepared:		Analyzed:	12/15/10 19:15
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	0L13001	Sequence:	0L35103	Calibration:	0327002	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics		0.170	0.170	0.170	X U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	0.05000	0.03705	74.1	50 - 150	X
o-Terphenyl	0.05000	0.02352	47.0	82 - 142	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2(

Matrix:		Laboratory ID:	0L13001-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	12/14/10 19:26
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	0L13001	Sequence:	0L35103	Calibration:	0327002	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics	2.102	0.170	0.170	0.170	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	0.05000	0.04006	80.1	50 - 150	
o-Terphenyl	0.05000	0.02688	53.8	82 - 142	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)			Project:	CTO154 OU3RI NAS Jacksonville_2(
Matrix:		Laboratory ID:	0L14021-BLK1	File ID:	011F1201.D
Sampled:		Prepared:		Analyzed:	12/17/10 22:13
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 0L14021 Sequence: 0L35502 Calibration: 0354003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics		0.170	0.340	0.680	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	0.05000	0.04970	99.4	50 - 150	
o-Terphenyl	0.05000	0.05210	104	82 - 142	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2(

Matrix:		Laboratory ID:	0L14021-BS1	File ID:	012F1301.D
Sampled:		Prepared:		Analyzed:	12/17/10 22:55
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	0L14021	Sequence:	0L35502	Calibration:	0354003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics	2.752	0.170	0.340	0.680	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	0.05000	0.04282	85.6	50 - 150	
o-Terphenyl	0.05000	0.04514	90.3	82 - 142	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2(

Matrix:		Laboratory ID:	0L14021-BSD1	File ID:	013F1401.D
Sampled:		Prepared:		Analyzed:	12/17/10 23:37
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	0L14021	Sequence:	0L35502	Calibration:	0354003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
	Petroleum Range Organics	2.606	0.170	0.340	0.680	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	0.05000	0.04031	80.6	50 - 150	
o-Terphenyl	0.05000	0.04343	86.9	82 - 142	

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Project: CTO154 OU3RI NAS Jacksonville_2010
Matrix: Water
Instrument: GL-GCFID2

Analyte	MDL	MRL	Units	Method
Petroleum Range Organics	0.170	0.680	mg/L	FLPRO

Data for FLPRO
Supporting Raw Data / Logs

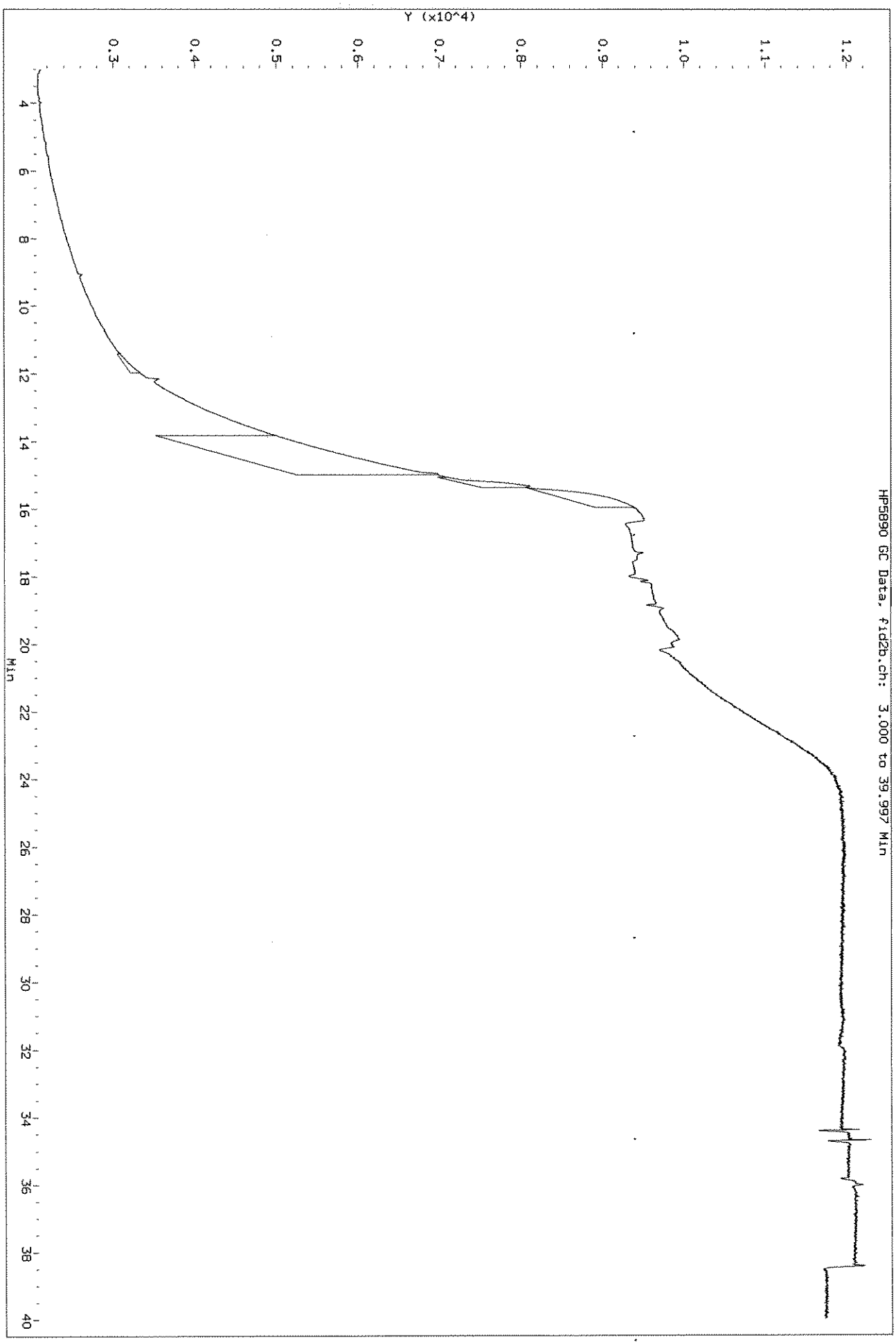
Laboratory Name

JLS 11.30.10

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\001F0102.D
Lab Smp Id: INS BLK
Inj Date : 19-NOV-2010 10:47
Operator : JLS Inst ID: gcfid2.i
Smp Info : INS BLK
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\FLPROF.m
Meth Date : 23-Nov-2010 12:08 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: range.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)

WL
11/30/10


Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\001F0102.D
Injection Date: 19-NOV-2010 10:47
Instrument: gcfid2.i
Client Sample ID:
HP5890 GC Data, fid2b.ch: 3.000 to 39.997 Min
Y (x10^4)
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
40
Min

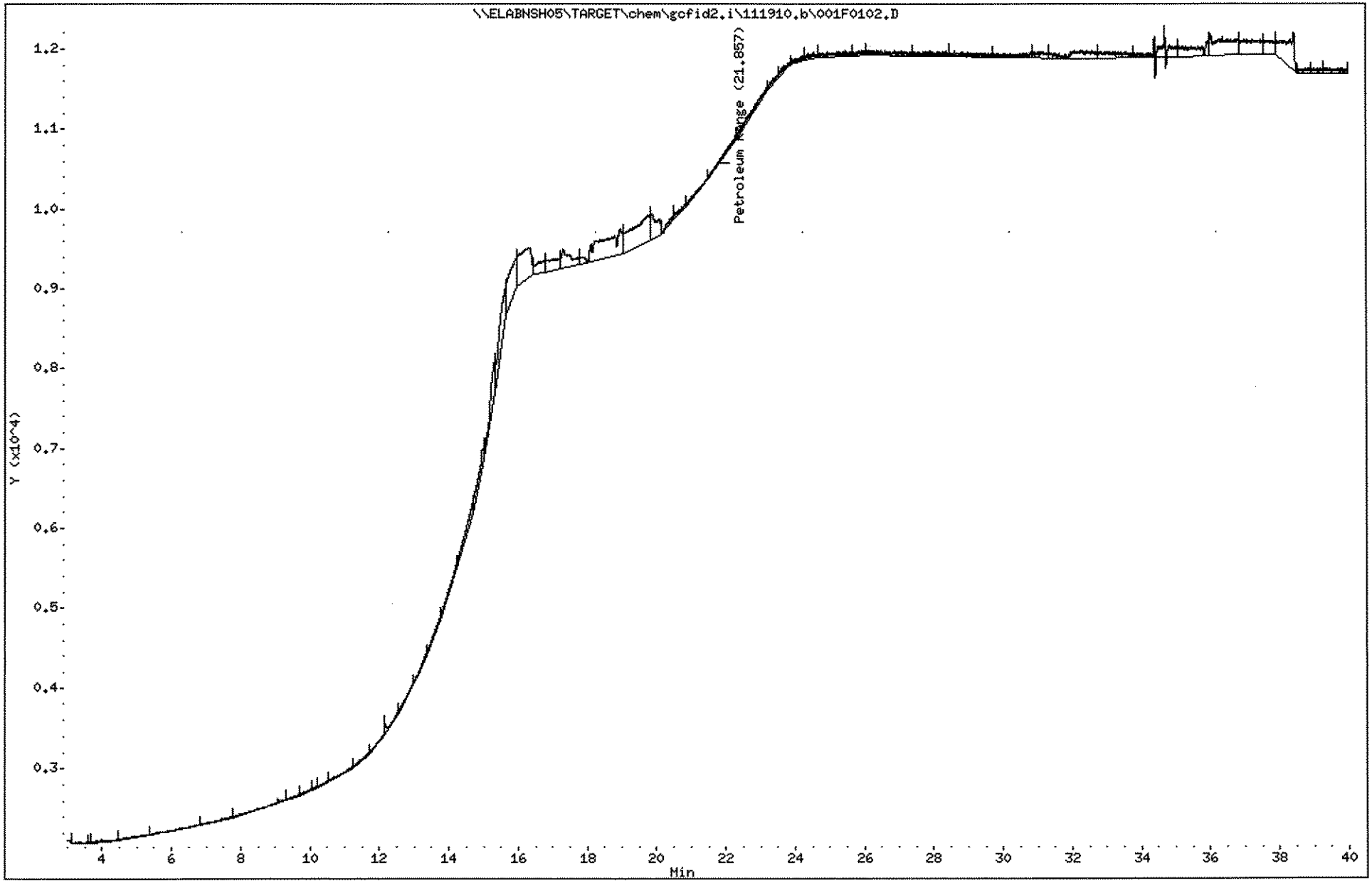
Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\001F0102.D
Date : 19-NOV-2010 10:47
Client ID:
Sample Info: INS BLK

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

01.20.11
JLS



JLS 11.23.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\003F0301.D
Lab Smp Id: SEQ-CAL6
Inj Date : 19-NOV-2010 12:39
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL6
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\FLPROF.m
Meth Date : 23-Nov-2010 12:08 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

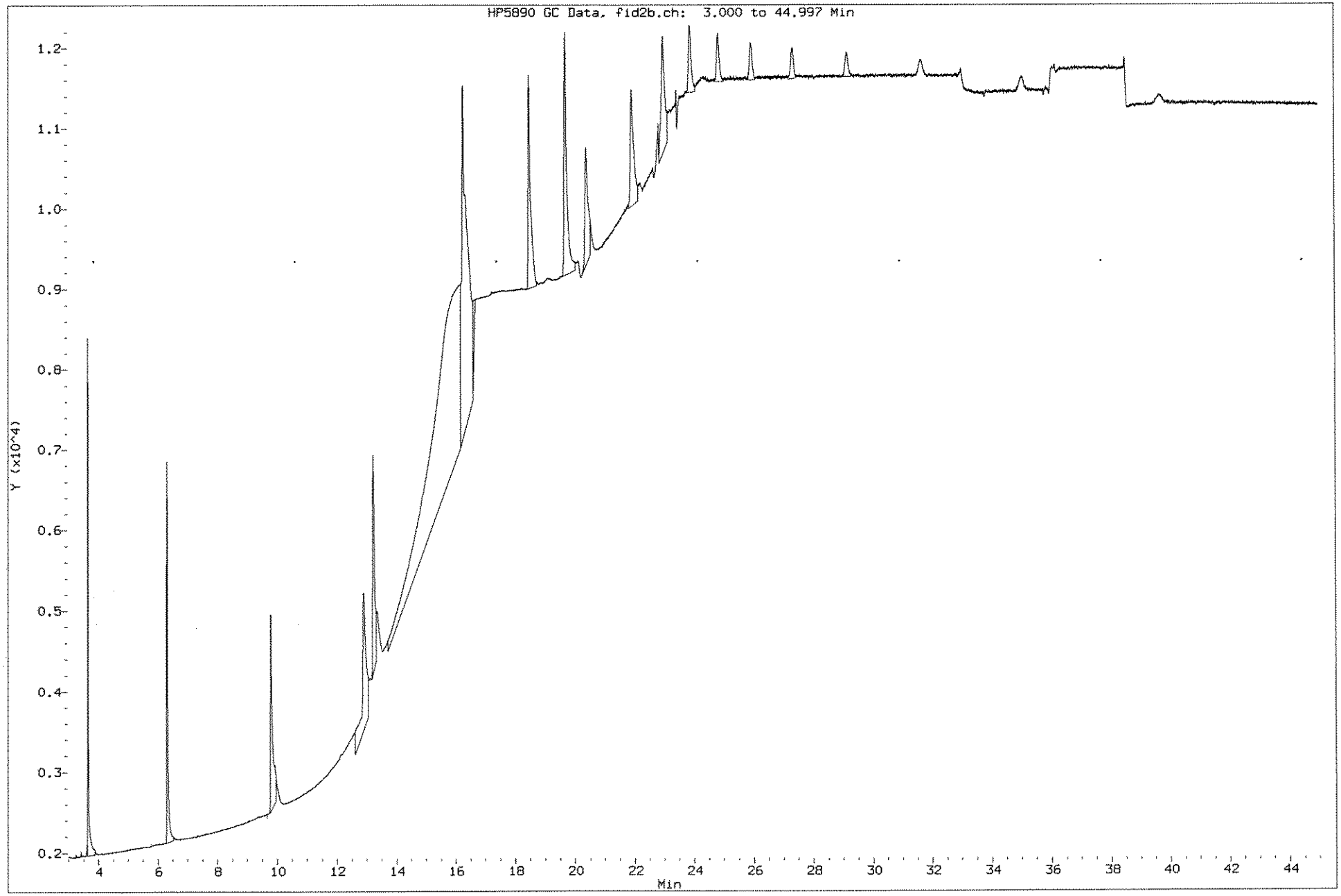
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	3.610-40.103			158726	85.0000	84.36(M)
$ 2 2-Fluorobiphenyl	12.896	12.823	0.073	10607	5.00000	4.191
$ 3 Ortho-Terphenyl	19.696	19.697	-0.001	18805 #	5.00000	4.818

QC Flag Legend

M - Compound response manually integrated.

11/30/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\003F0301.D
Injection Date: 19-NOV-2010 12:39
Instrument: gcfid2.i
Client Sample ID:

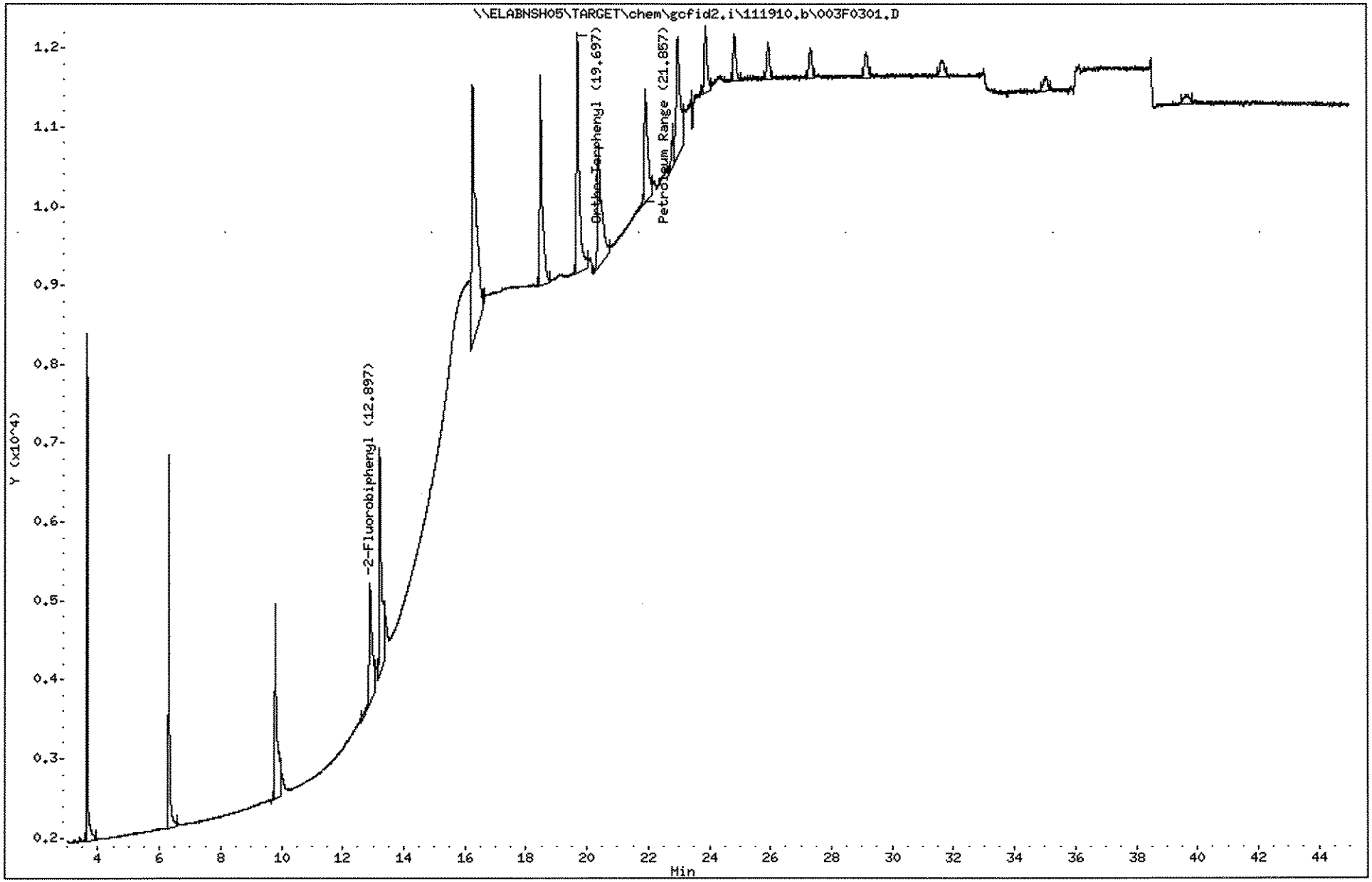


Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\003F0301.D
Date : 19-NOV-2010 12:39
Client ID:
Sample Info: SEQ-CAL6

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



Laboratory Name

JLS 11.23.10

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\004F0401.D
Lab Smp Id: SEQ-CAL5
Inj Date : 19-NOV-2010 13:32
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL5
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\FLPROF.m
Meth Date : 23-Nov-2010 12:08 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

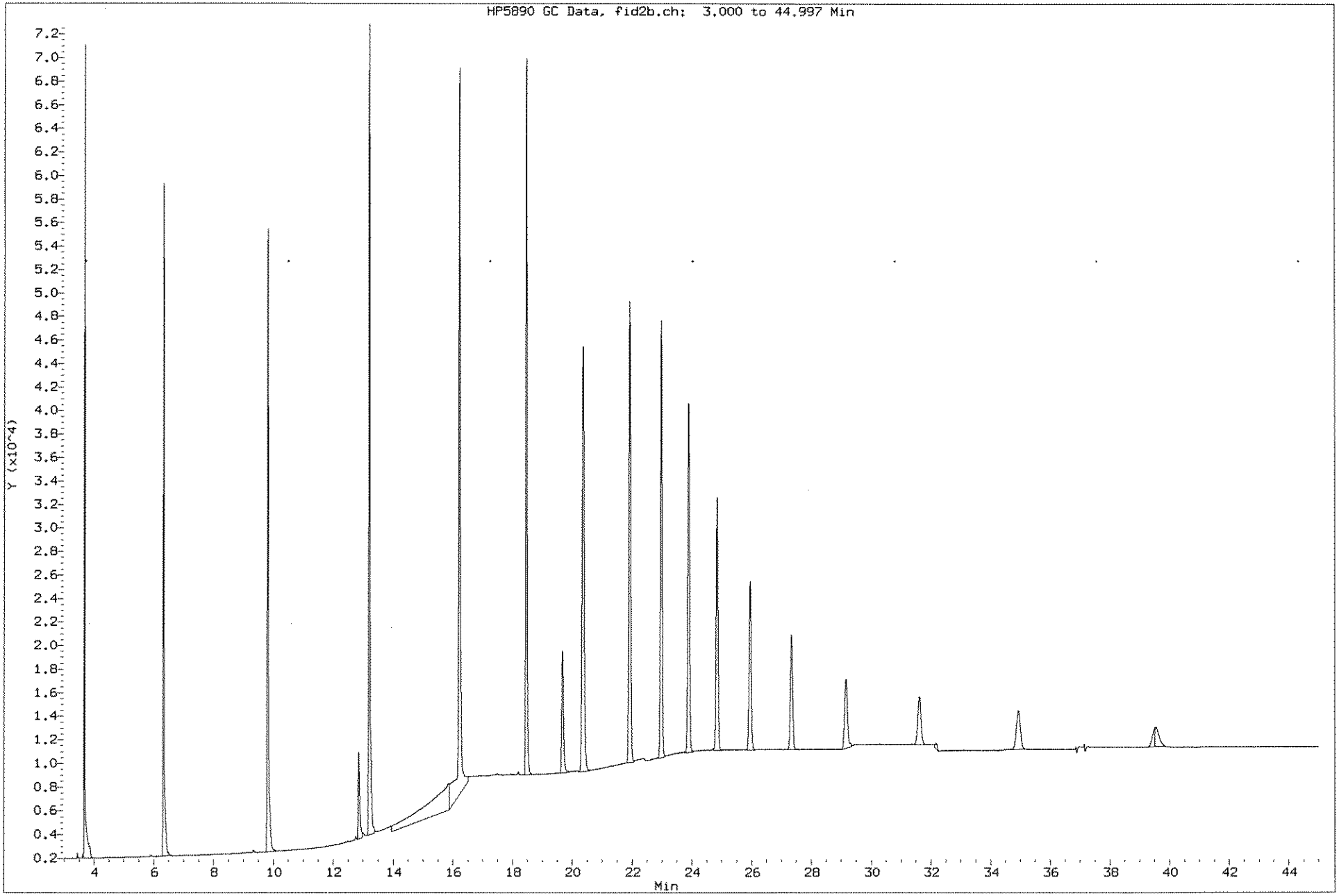
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	3.610-40.103			1796169	850.000	954.6(M)
$ 2 2-Fluorobiphenyl	12.853	12.823	0.030	25442	10.0000	10.05
$ 3 Ortho-Terphenyl	19.676	19.697	-0.021	41606	10.0000	10.66

QC Flag Legend

M - Compound response manually integrated.

11/30/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\004F0401.D
Injection Date: 19-NOV-2010 13:32
Instrument: gcfid2.i
Client Sample ID:

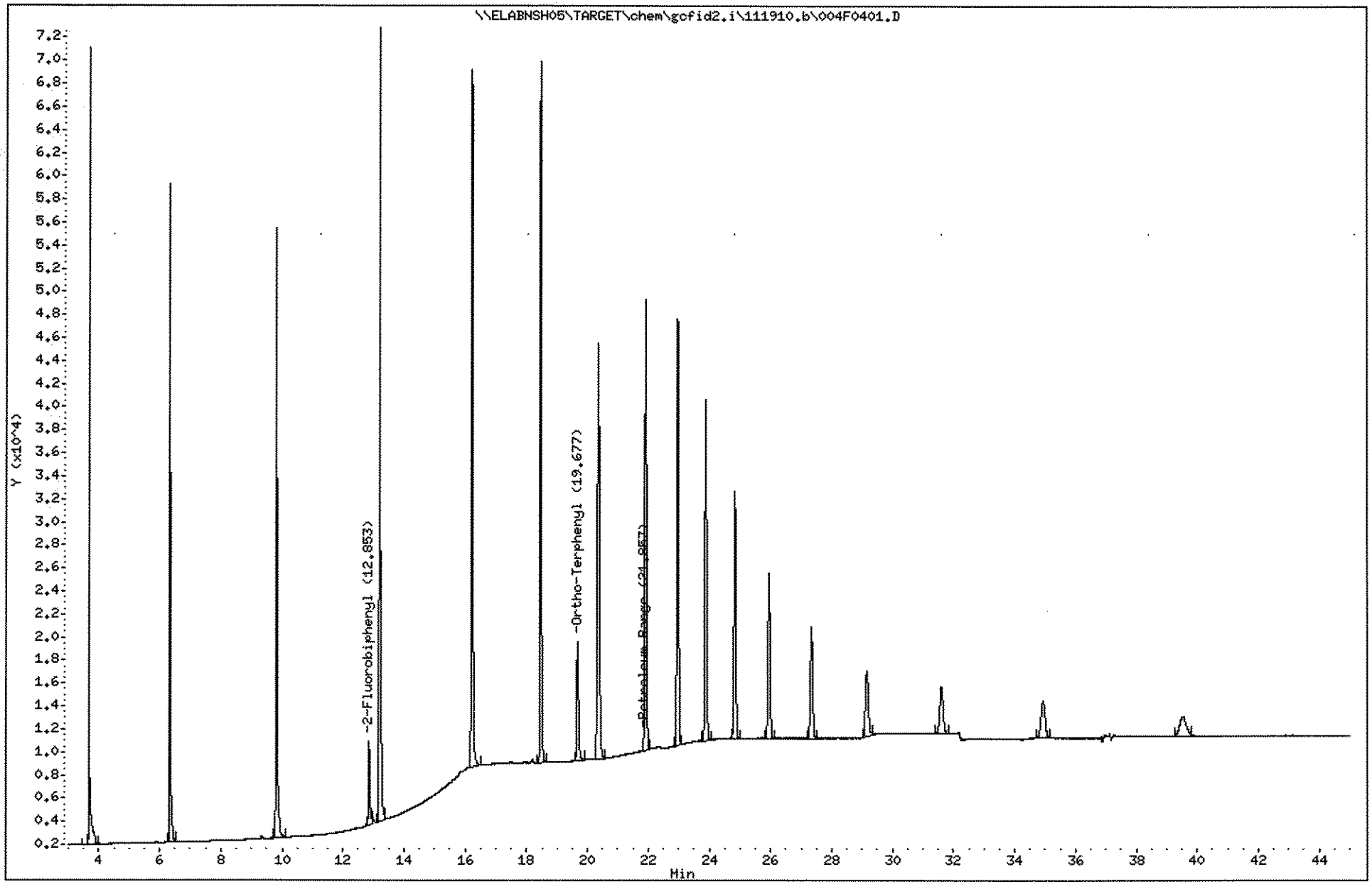


Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\004F0401.D
Date : 19-NOV-2010 13:32
Client ID:
Sample Info: SEQ-CAL5

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



525

CTO154OURI_002

JLS 11.23.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\005F0501.D
Lab Smp Id: SEQ-CAL4
Inj Date : 19-NOV-2010 14:24
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL4
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\FLPROF.m
Meth Date : 23-Nov-2010 12:09 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	3.610-40.103			4958355	2550.00	2635
$ 2 2-Fluorobiphenyl	12.830	12.823	0.007	39587	15.0000	15.64
$ 3 Ortho-Terphenyl	19.670	19.697	-0.027	61544	15.0000	15.77

11/30/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\005F0501.D

Date : 19-NOV-2010 14:24

Client ID:

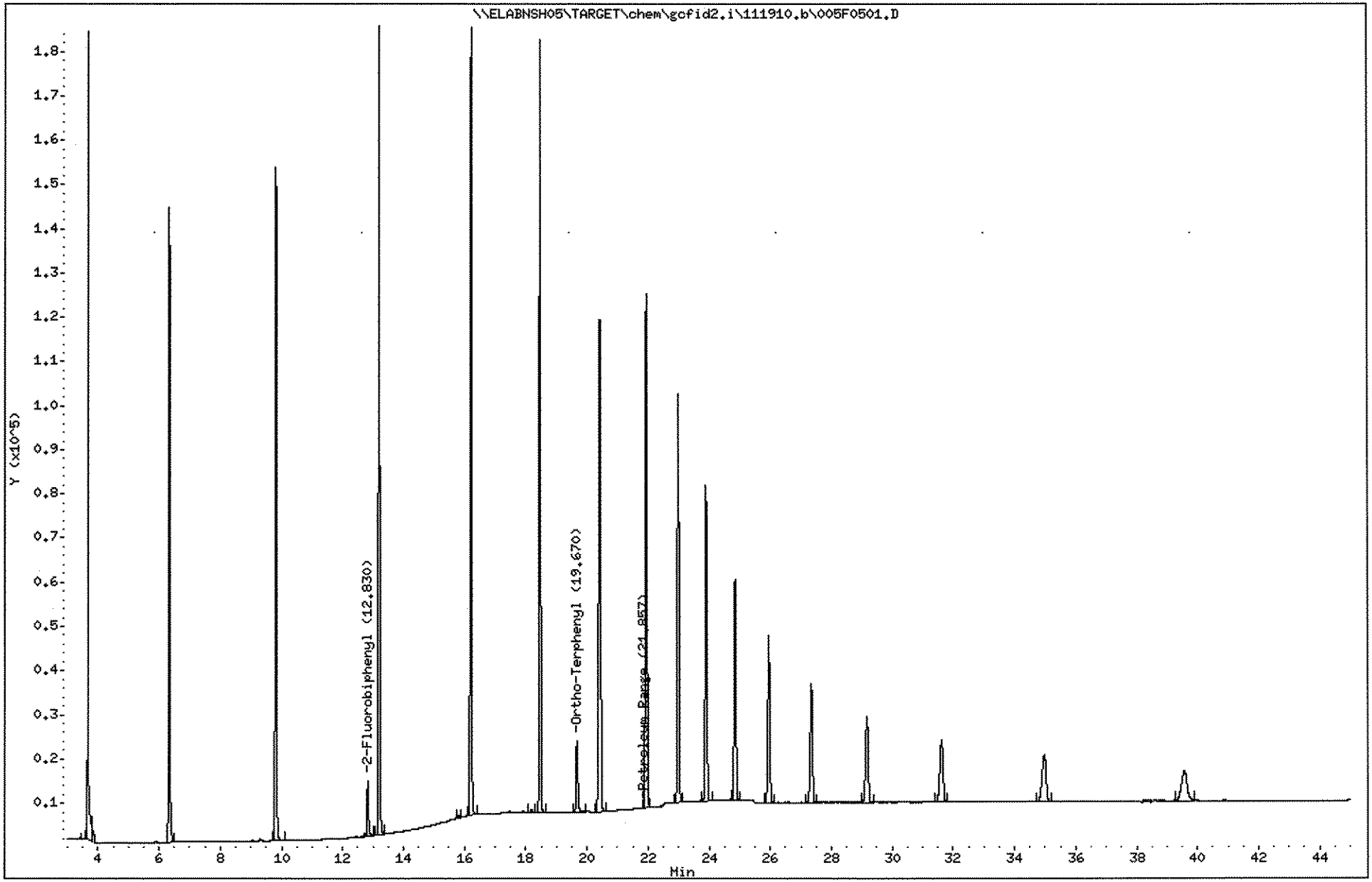
Instrument: gcfid2.i

Sample Info: SEQ-CAL4

Operator: JLS

Column phase: ZB-5ms

Column diameter: 0.32



Laboratory Name

JLS 11.23.10

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\006F0601.D
Lab Smp Id: SEQ-CAL3
Inj Date : 19-NOV-2010 15:17
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL3
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\FLPROF.m
Meth Date : 23-Nov-2010 12:09 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	3.610-40.103			7405734	4250.00	3936
$ 2 2-Fluorobiphenyl	12.823	12.823	0.000	61889	25.0000	24.46
$ 3 Ortho-Terphenyl	19.696	19.697	-0.001	92574	25.0000	23.72

11/30/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\006F0601.D

Date : 19-NOV-2010 15:17

Client ID:

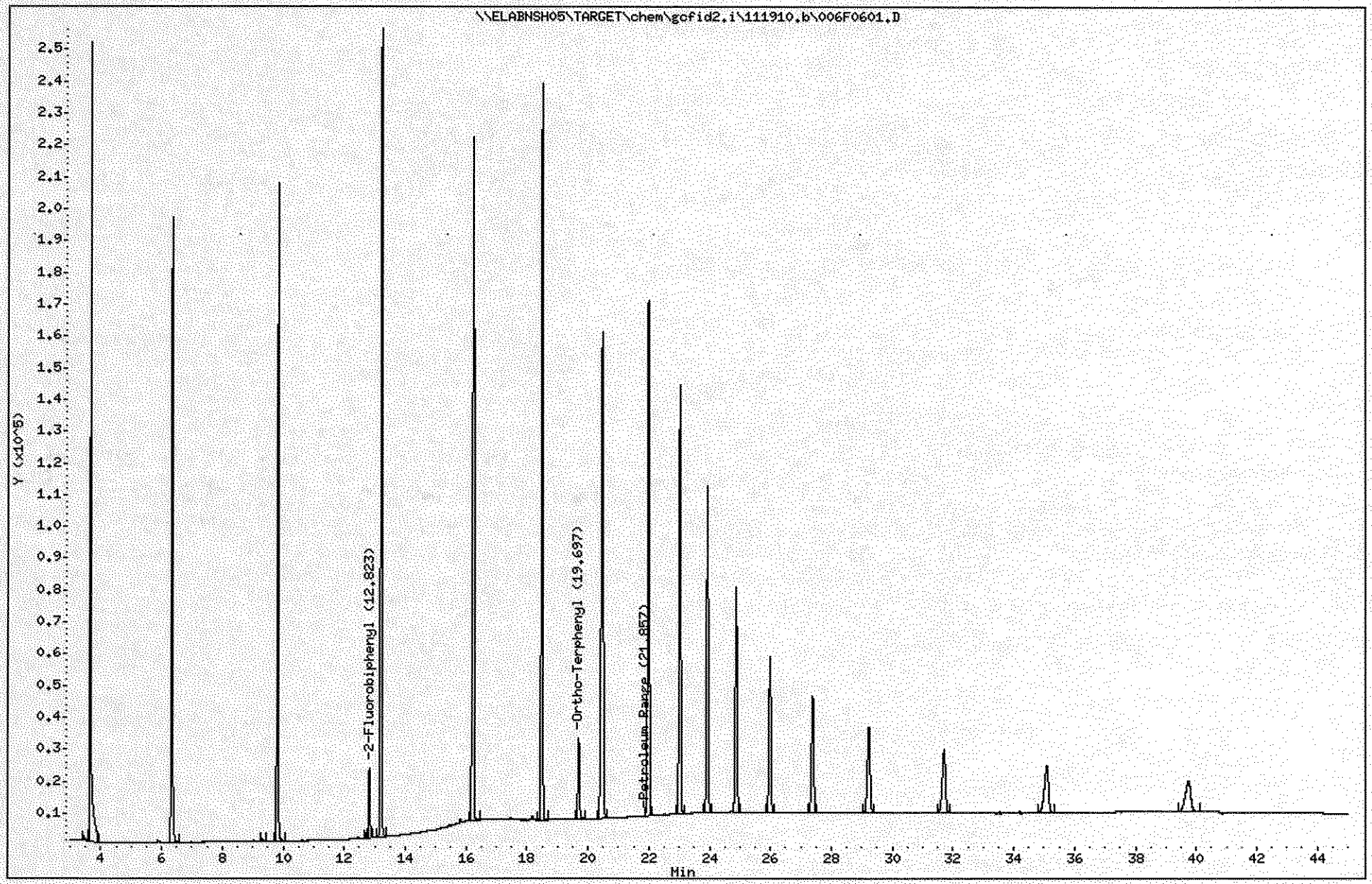
Instrument: gcfid2.i

Sample Info: SEQ-CAL3

Operator: JLS

Column phase: ZB-5ms

Column diameter: 0.32



529

CTO154OURI_002

Laboratory Name

JLS 11.23.10

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\007F0701.D
Lab Smp Id: SEQ-CAL2
Inj Date : 19-NOV-2010 16:09
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL2
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\FLPROF.m
Meth Date : 23-Nov-2010 12:09 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	3.610	-40.103		11023529	5950.00	5858
$ 2 2-Fluorobiphenyl	12.823	12.823	0.000	94460	35.0000	37.33
$ 3 Ortho-Terphenyl	19.710	19.697	0.013	138721	35.0000	35.54

11/30/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\007F0701.D

Date : 19-NOV-2010 16:09

Client ID:

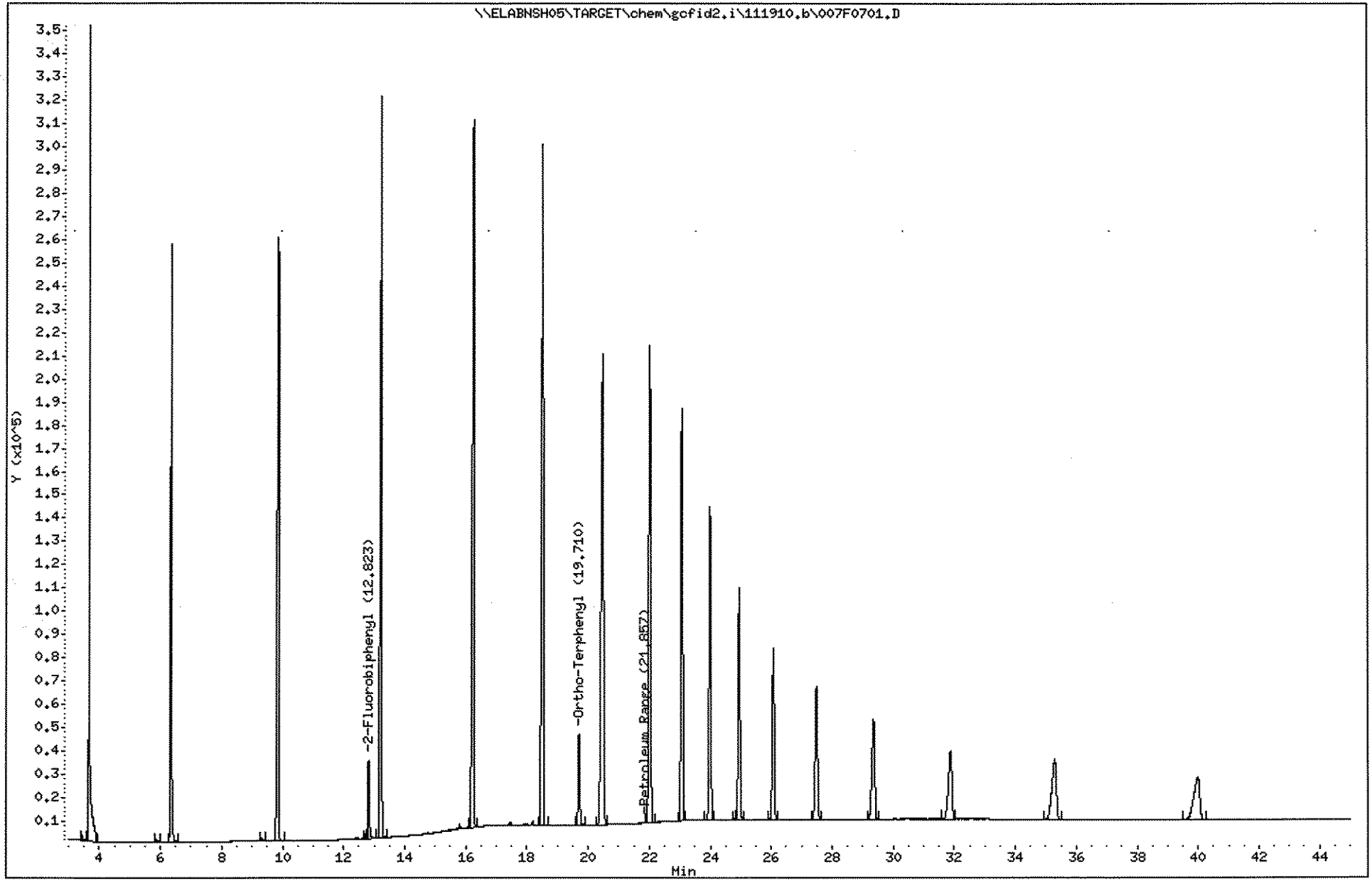
Instrument: gcfid2.i

Sample Info: SEQ-CAL2

Operator: JLS

Column phase: ZB-5ms

Column diameter: 0.32



Laboratory Name

JLS 11-23-10

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\008F0801.D
Lab Smp Id: SEQ-CAL1
Inj Date : 19-NOV-2010 17:02
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\FLPROF.m
Meth Date : 23-Nov-2010 12:09 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	3.610-40.103			15041546	8500.00	7994
$ 2 2-Fluorobiphenyl	12.820	12.823	-0.003	135234	50.0000	53.44
$ 3 Ortho-Terphenyl	19.730	19.697	0.033	186343 D	50.0000	47.74

11/30/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\008F0801.D

Date : 19-NOV-2010 17:02

Client ID:

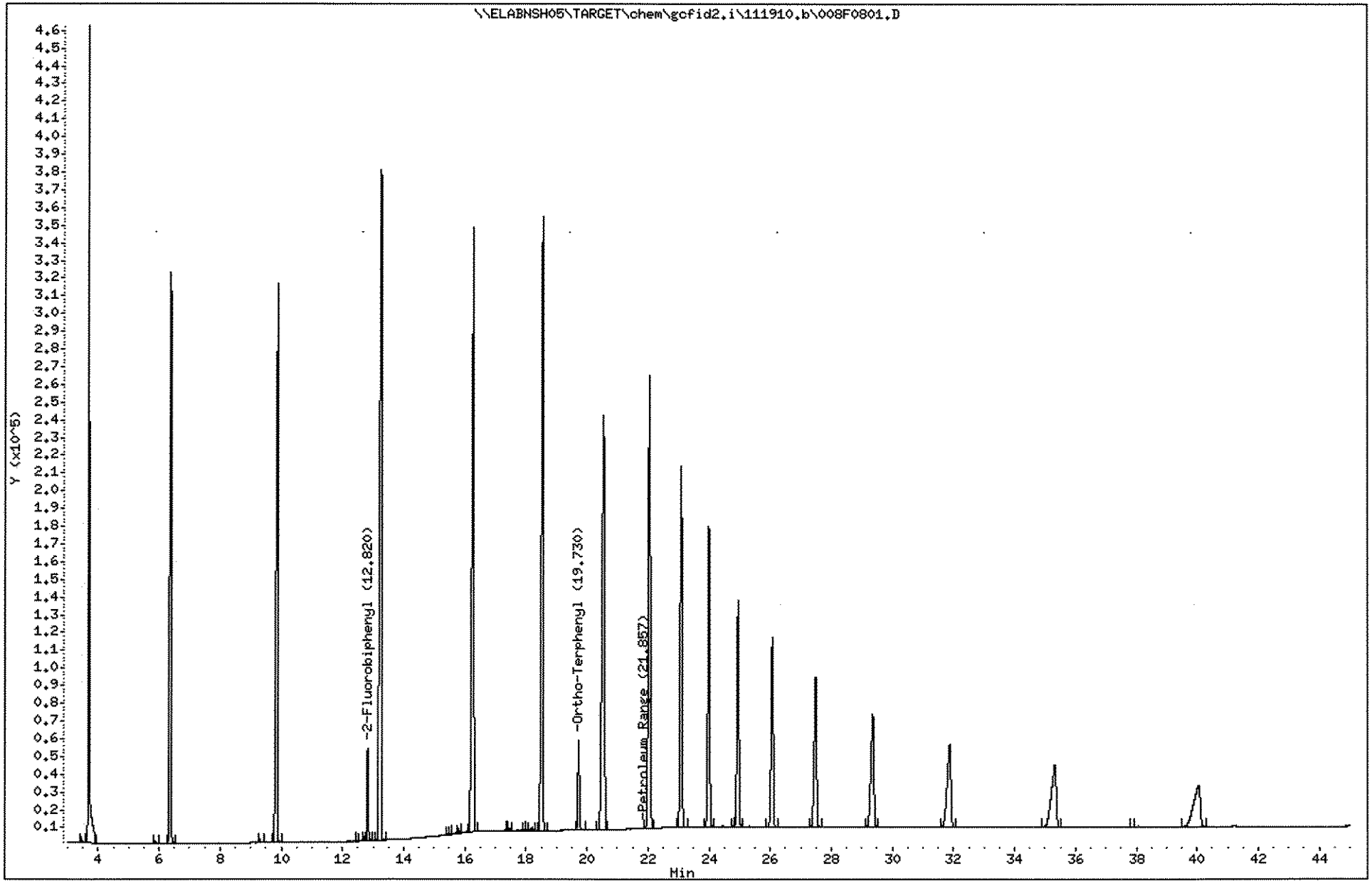
Instrument: gcfid2.i

Sample Info: SEQ-CAL1

Operator: JLS

Column phase: ZB-5ms

Column diameter: 0.32



533

CTO154OURI_002

Laboratory Name

~~CONTINUING CALIBRATION~~ ICV COMPOUNDS

DLB 11.23.10

Instrument ID: gcfid2.i Injection Date: 22-NOV-2010 09:08
Lab File ID: 009F1001.D Init. Cal. Date(s): 16-MAR-2007 19-NOV-2010
Analysis Type: Init. Cal. Times: 10:21 17:02
Lab Sample ID: SEQ-ICV1 Quant Type: ESTD
Method: \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\FLPROF.m

COMPOUND	RRF	RF4250.	MIN RRF	%D	MAX %D
S 1 Petroleum Range	1882	0 ~~1935~~ 1939	0.010	~~-2.0~~ 3.0	25.0

11/30/10

DLS 11.23.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\009F1001.D
Lab Smp Id: SEQ-ICV1
Inj Date : 22-NOV-2010 09:08
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-ICV1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\FLPROF.m
Meth Date : 23-Nov-2010 12:09 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: range.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	3.610-40.103			7755150	~~4250.00~~ 4000.00	4122

11/30/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\111910.b\009F1001.D

Date : 22-NOV-2010 09:08

Client ID:

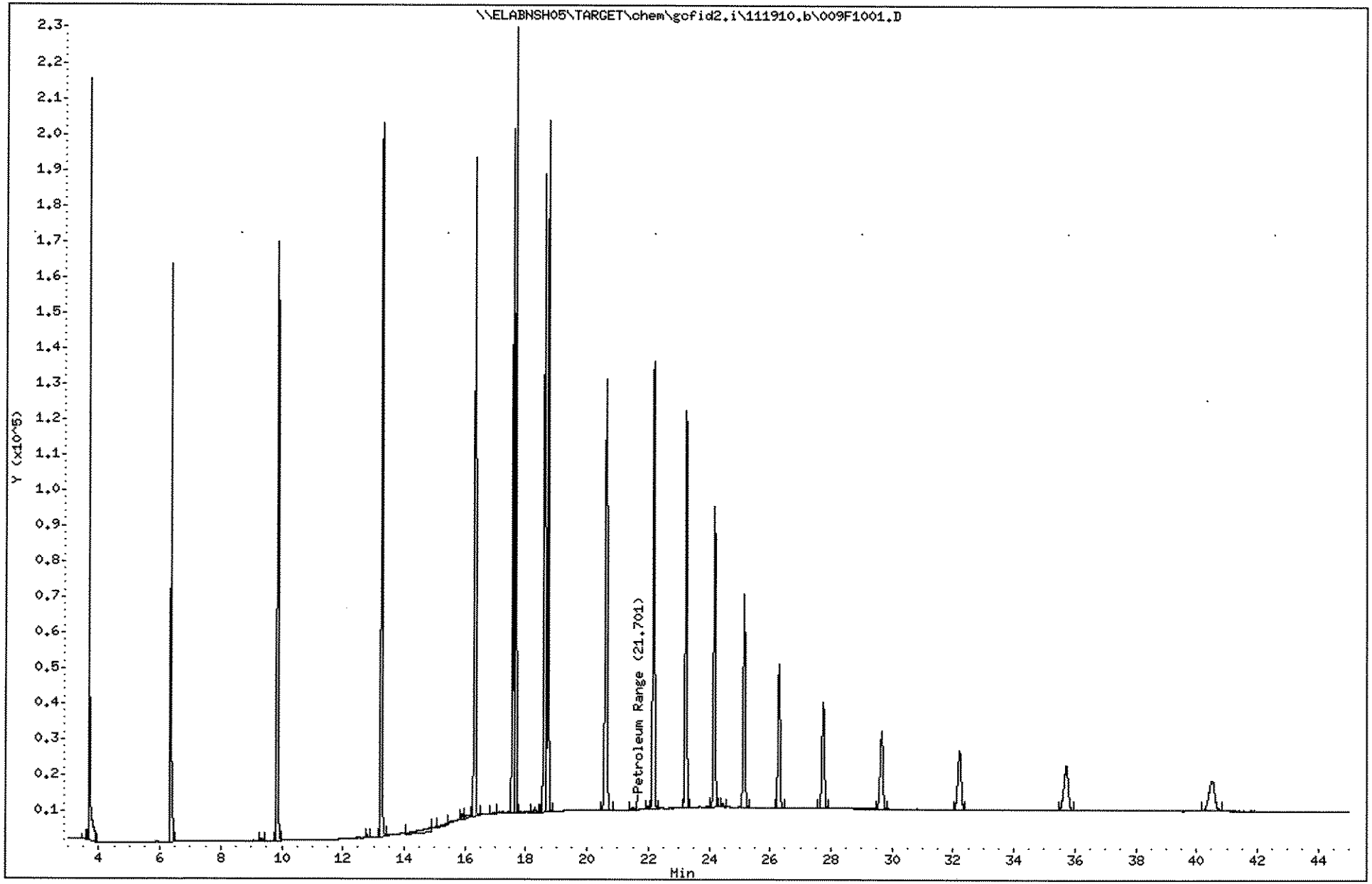
Sample Info: SEQ-ICV1

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS

Column diameter: 0.32



P.343
Jessica Sales
12.20.10

Sequence Table (Front Injector):

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 2	CCVTEST				
2	Vial 1	Ins Blk				
3	Vial 2	SEQ-CCV1 NOT USED/TEST				
4	Vial 3	SEQ-CAL6 10X0198	35 ppm			
5	Vial 4	SEQ-CAL5 10X0199	850 ppm			
6	Vial 5	SEQ-CAL4 10X0200	2550 ppm			
7	Vial 6	SEQ-CAL3 10L0688	4250 ppm			
8	Vial 7	SEQ-CAL2 10X0202	5950 ppm			
9	Vial 8	SEQ-CAL1 10X0203	8500 ppm			
10	Vial 9	SEQ-ICV1 10X0208	4000 ppm			
11	Vial 10	SEQ-CCV1 10L0654				
12	Vial 11	0L14021-BLK1 12124.3,5;12125.1,2;12134.1-10			1x	
13	Vial 12	0L14021-BS1				
14	Vial 13	0L14021-BSD1				
15	Vial 14	1012124-03				
16	Vial 15	1012124-05				
17	Vial 16	1012125-01				
18	Vial 17	1012125-02				
19	Vial 18	1012134-01				
20	Vial 19	1012134-02				
21	Vial 20	1012134-03				
22	Vial 21	1012134-04				
23	Vial 22	1012134-05				
24	Vial 23	1012134-06				
25	Vial 24	SEQ-CCV2 10L0654				
26	Vial 25	1012134-07				
27	Vial 26	1012134-08				
28	Vial 27	1012134-09				
29	Vial 28	~~1012087-10~~ 1012134-10 JLG 12.20.10				
30	Vial 29	SEQ-CCV3 10L0654				

FLPRO CURVE USED & SAVED
SEQ: 0L354116
CAL: 0354003

SEQ: 0L355002

Sequence Table (Back Injector):

No entries - empty table!

FLPRO: 2.900 - 27.260
2-Fluoro: 11.520
OTP: 17.023

GCFID2 12/20/2010 9:52:07 AM JH

JLS 12.20.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\001F0202.D
Lab Smp Id: Ins Blk
Inj Date : 17-DEC-2010 14:42
Operator : JLS Inst ID: gcfid2.i
Smp Info : Ins Blk
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 15:43 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)

12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\001F0202.D

Date : 17-DEC-2010 14:42

Client ID:

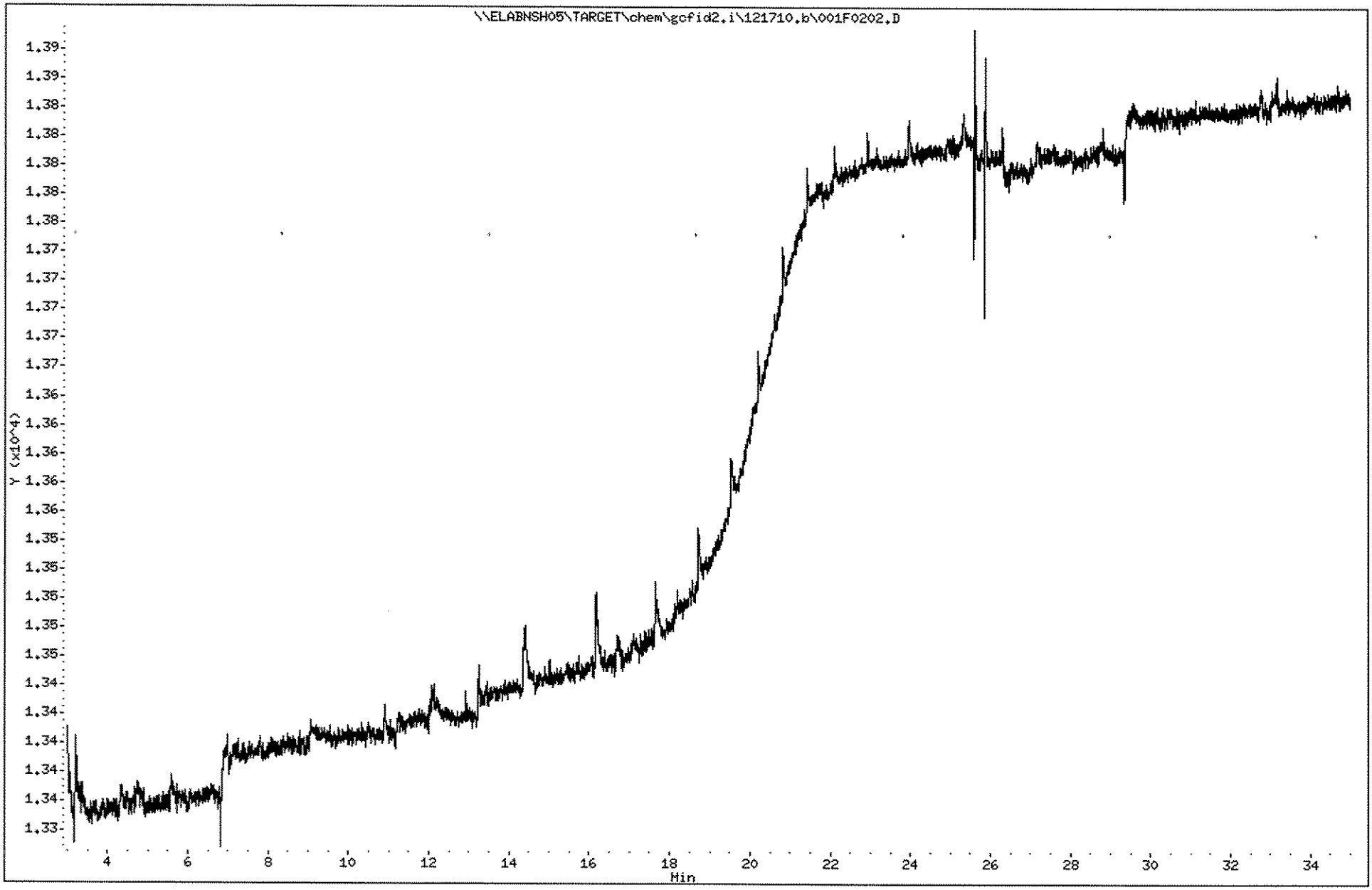
Sample Info: Ins Blk

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS

Column diameter: 0.32



JLS 12.20.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\003F0401.D
Lab Smp Id: SEQ-CAL6
Inj Date : 17-DEC-2010 16:36
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL6
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 15:45 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.900-27.260			104601	85.0000	90.04
$ 2 2-Fluorobiphenyl	11.536	11.520	0.016	8895	5.00000	4.663
$ 3 Ortho-Terphenyl	17.026	17.023	0.003	10187	5.00000	5.019

12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\003F0401.D

Date : 17-DEC-2010 16:36

Client ID:

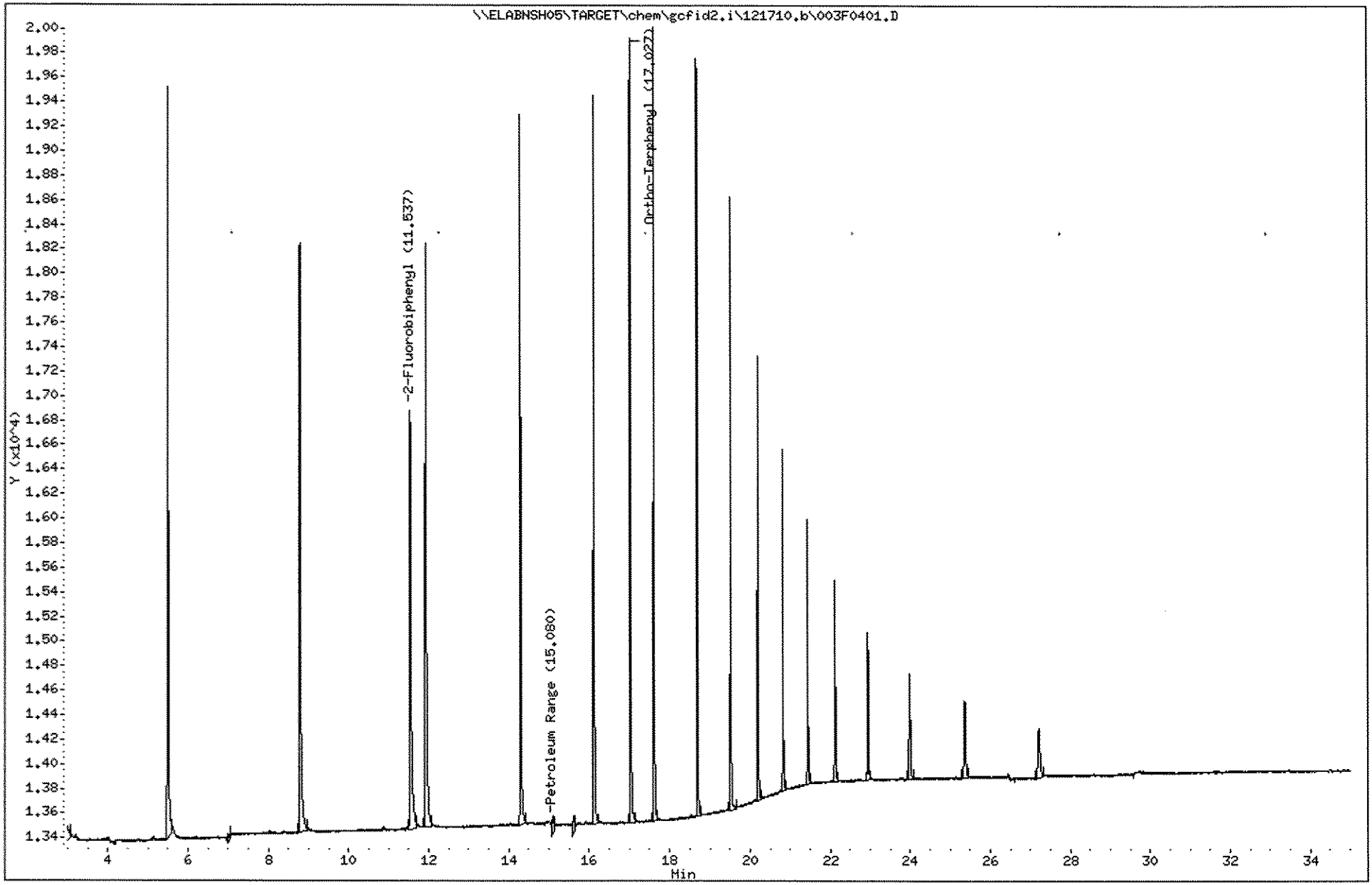
Instrument: gcfid2.i

Sample Info: SEQ-CAL6

Operator: JLS

Column phase: ZB-5ms

Column diameter: 0.32



541

CTO154OURI_002

Laboratory Name

JLS 12.20.10

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\004F0501.D
Lab Smp Id: SEQ-CAL5
Inj Date : 17-DEC-2010 17:18
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL5
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 15:45 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 4 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.900-27.260			1077303	D 850.000	927.4
$ 2 2-Fluorobiphenyl	11.523	11.520	0.003	19000	10.0000	9.960
$ 3 Ortho-Terphenyl	17.020	17.023	-0.003	20806	10.0000	10.25

12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\004F0501.D

Date : 17-DEC-2010 17:18

Client ID:

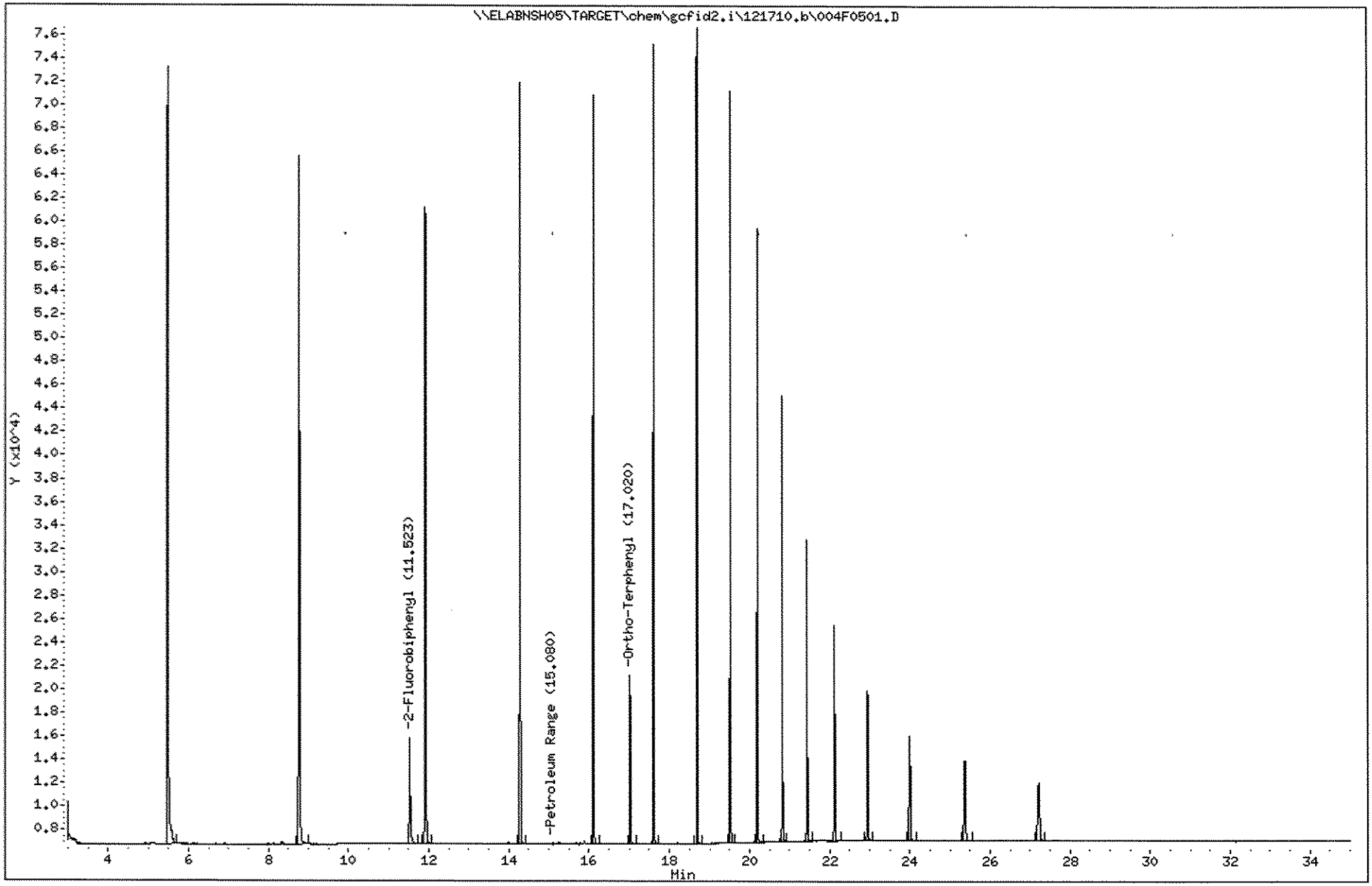
Sample Info: SEQ-CAL5

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS

Column diameter: 0.32



JLS 12.20.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\005F0601.D
Lab Smp Id: SEQ-CAL4
Inj Date : 17-DEC-2010 18:00
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL4
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 15:45 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.900-27.260			2771858	2550.00	2386
$ 2 2-Fluorobiphenyl	11.516	11.520	-0.004	27254	15.0000	14.29
$ 3 Ortho-Terphenyl	17.020	17.023	-0.003	29315	15.0000	14.44

12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\005F0601.D

Date : 17-DEC-2010 18:00

Client ID:

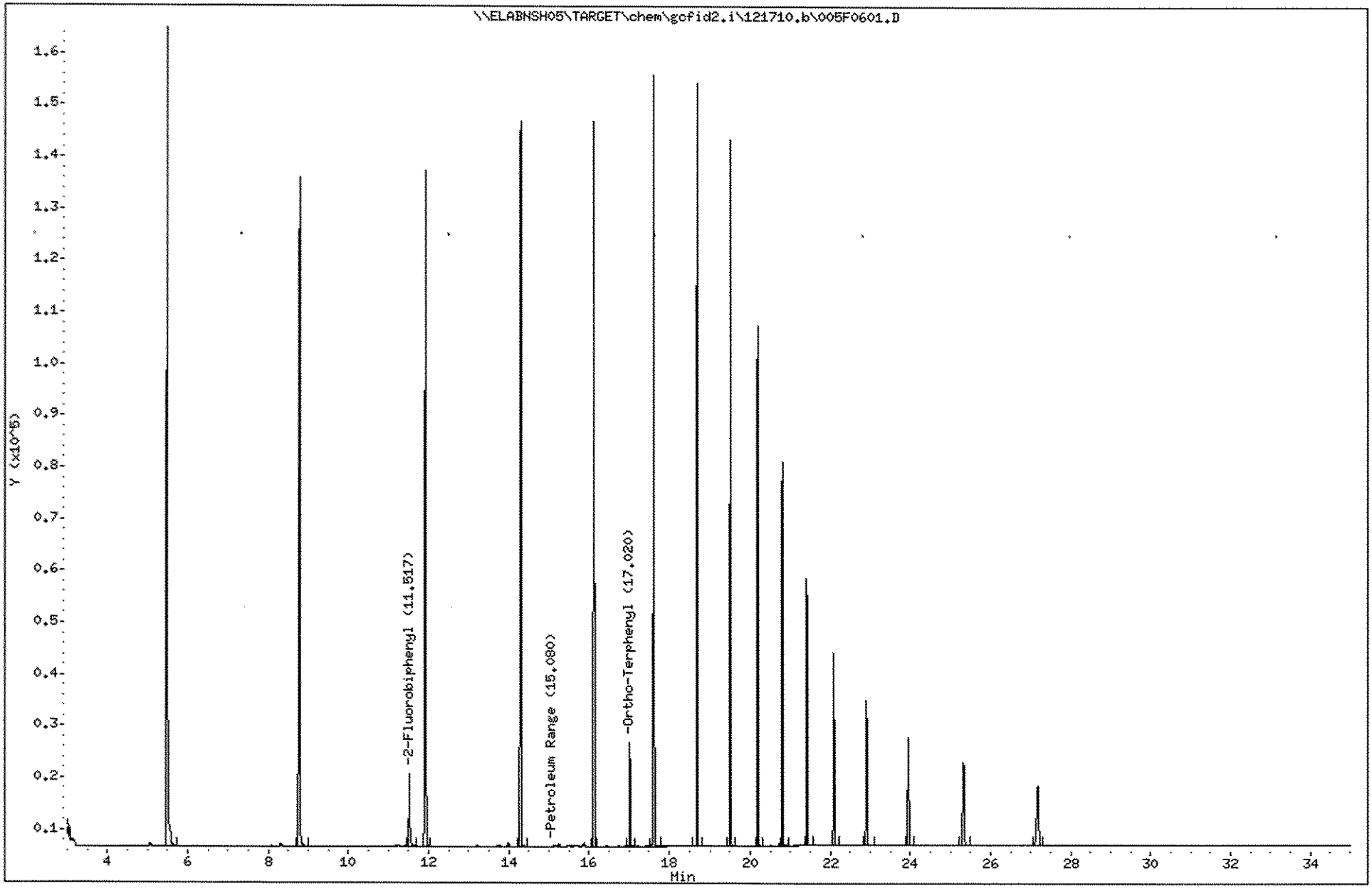
Sample Info: SEQ-CAL4

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS

Column diameter: 0.32



Laboratory Name

JLS 12.20.10

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\006F0701.D
Lab Smp Id: SEQ-CAL3
Inj Date : 17-DEC-2010 18:42
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL3
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 15:45 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.900-27.260			4413985	4250.00	3800
$ 2 2-Fluorobiphenyl	11.520	11.520	0.000	44847	25.0000	23.51
$ 3 Ortho-Terphenyl	17.023	17.023	0.000	45921	25.0000	22.62

12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\006F0701.D

Date : 17-DEC-2010 18:42

Client ID:

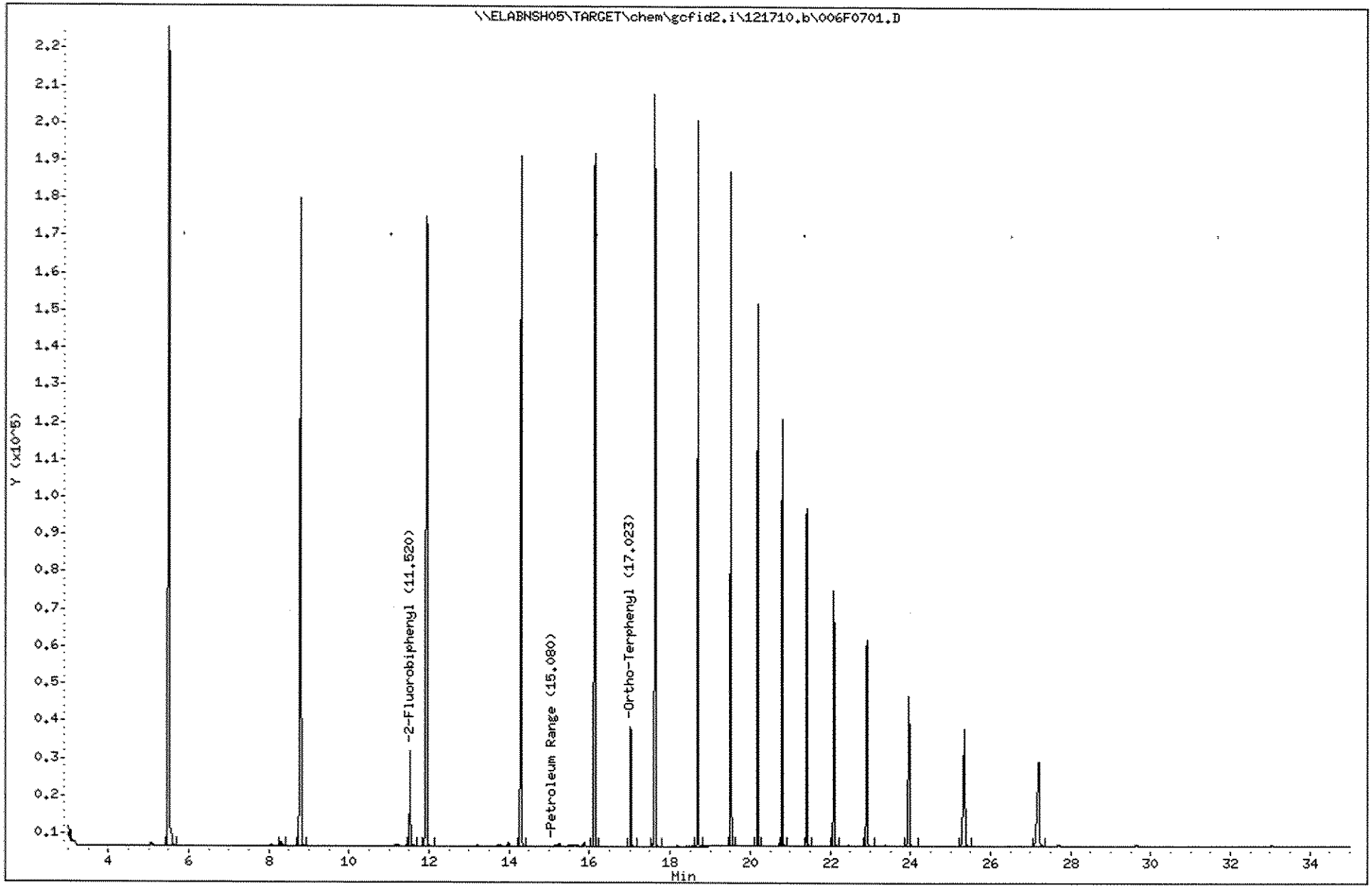
Sample Info: SEQ-CAL3

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS

Column diameter: 0.32



547

CTO154OURI_002

JLS 12.20.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\007F0801.D
Lab Smp Id: SEQ-CAL2
Inj Date : 17-DEC-2010 19:24
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL2
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 15:45 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 7 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.900-27.260			7161897	5950.00	6165
$ 2 2-Fluorobiphenyl	11.520	11.520	0.000	72928	35.0000	38.23
$ 3 Ortho-Terphenyl	17.026	17.023	0.003	74980	35.0000	36.94

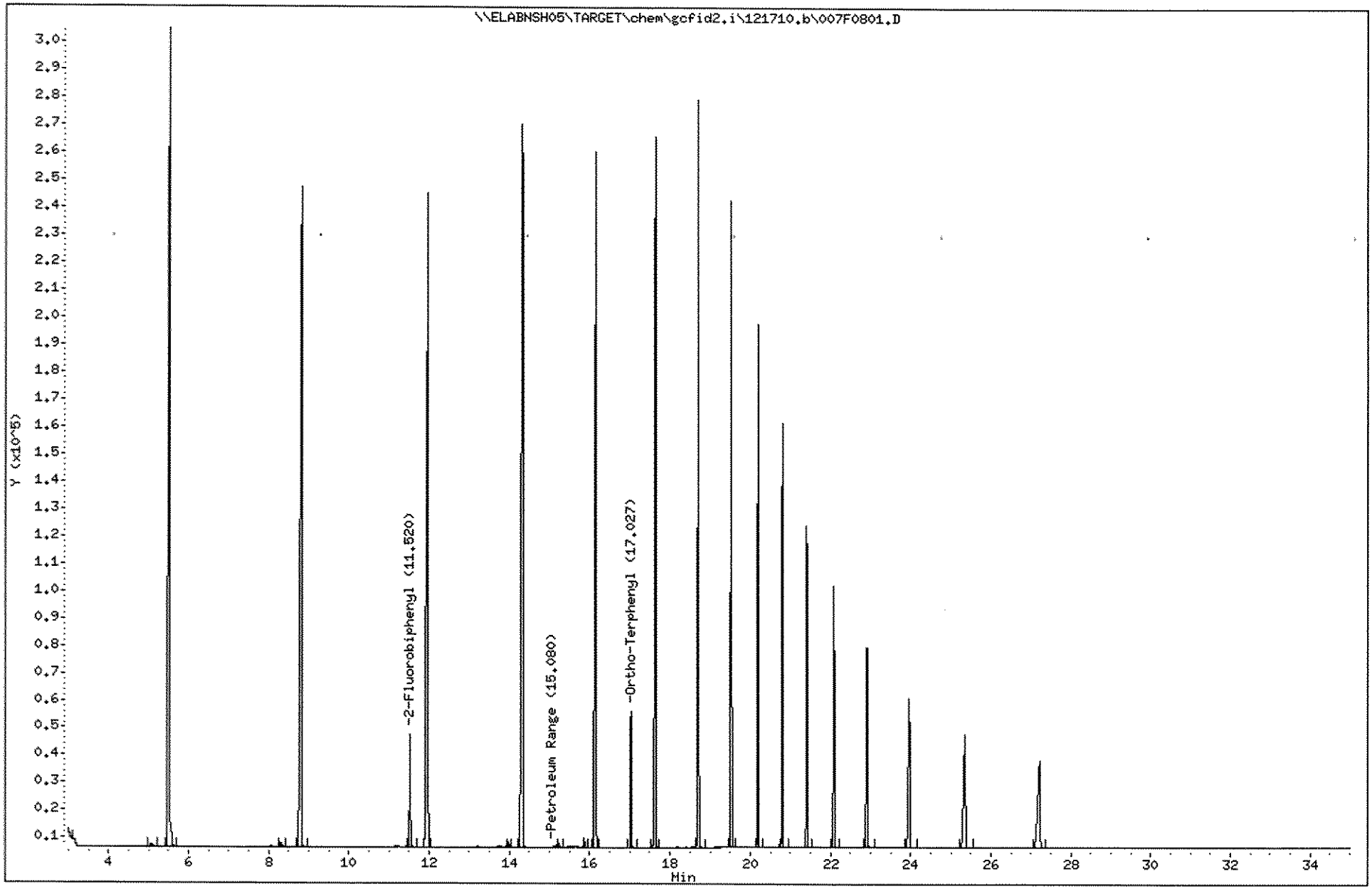
12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\007F0801.D
Date : 17-DEC-2010 19:24
Client ID:
Sample Info: SEQ-CAL2

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



JLS 12.20.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\008F0901.D
Lab Smp Id: SEQ-CAL1
Inj Date : 17-DEC-2010 20:07
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CAL1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 15:45 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 8 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.900-27.260			9713407	8500.00	8362
$ 2 2-Fluorobiphenyl	11.526	11.520	0.006	103587	50.0000	54.30
$ 3 Ortho-Terphenyl	17.033	17.023	0.010	106335	50.0000	52.39

12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\008F0901.D

Date : 17-DEC-2010 20:07

Client ID:

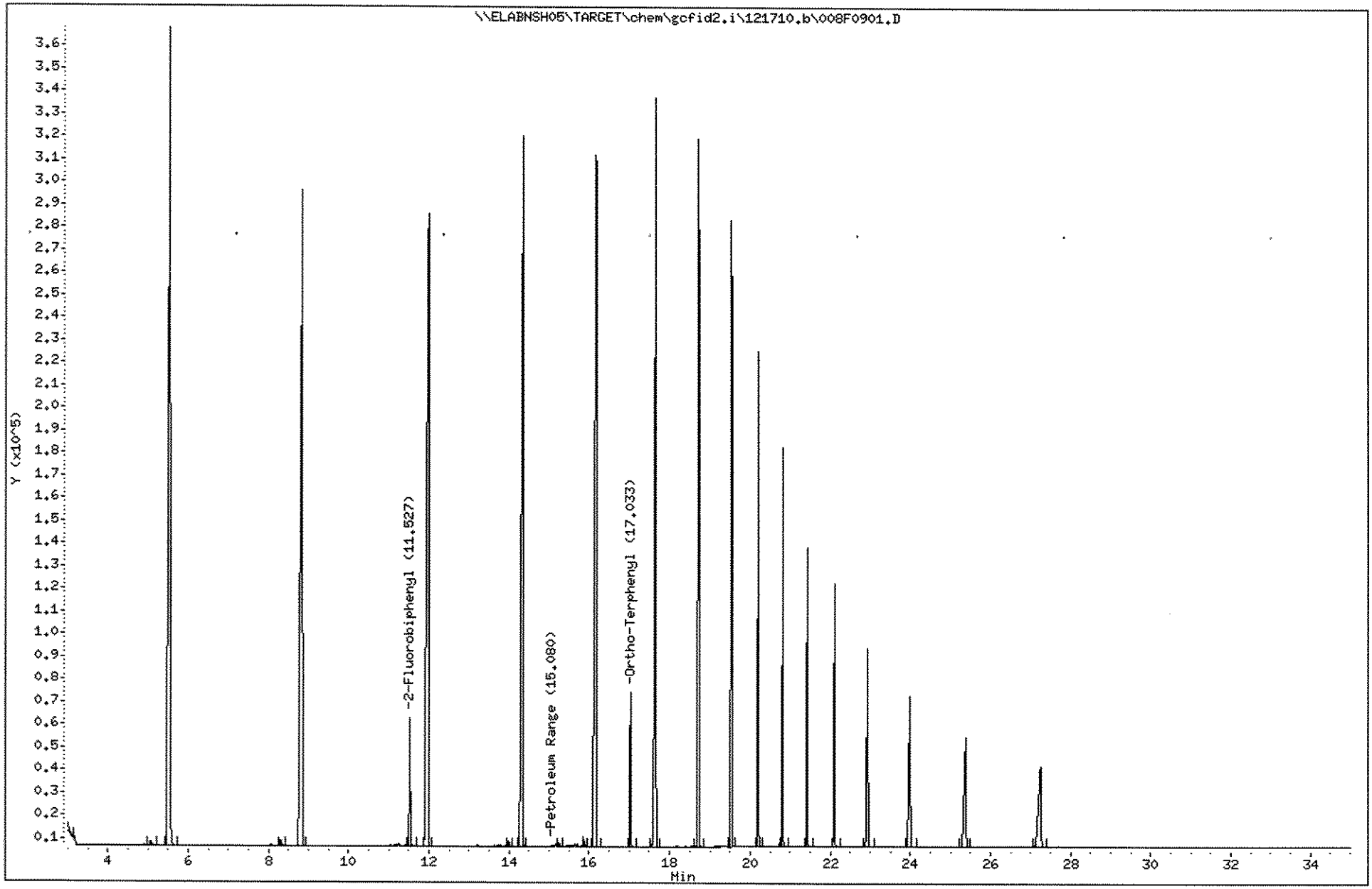
Sample Info: SEQ-CAL1

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS

Column diameter: 0.32



Laboratory Name

ICV

~~CONTINUING CALIBRATION~~ COMPOUNDS

12.20.10

Instrument ID: gcfid2.i
Lab File ID: 009F1001.D
Analysis Type:
Lab Sample ID: SEQ-ICV1

Injection Date: 17-DEC-2010 20:49
Init. Cal. Date(s): 16-MAR-2007 17-DEC-2010
Init. Cal. Times: 10:21 20:07
Quant Type: ESTD

Method: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m

COMPOUND	RRF	RF4250	MIN RRF	%D	MAX %D
S 1 Petroleum Range	1162	1240	0.010	6.7	25.0

12/22/10

JLS 12.20.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\009F1001.D
Lab Smp Id: SEQ-ICV1
Inj Date : 17-DEC-2010 20:49
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-ICV1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 15:45 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 9 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: range.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.900-27.260			5267989	4250.00	4535

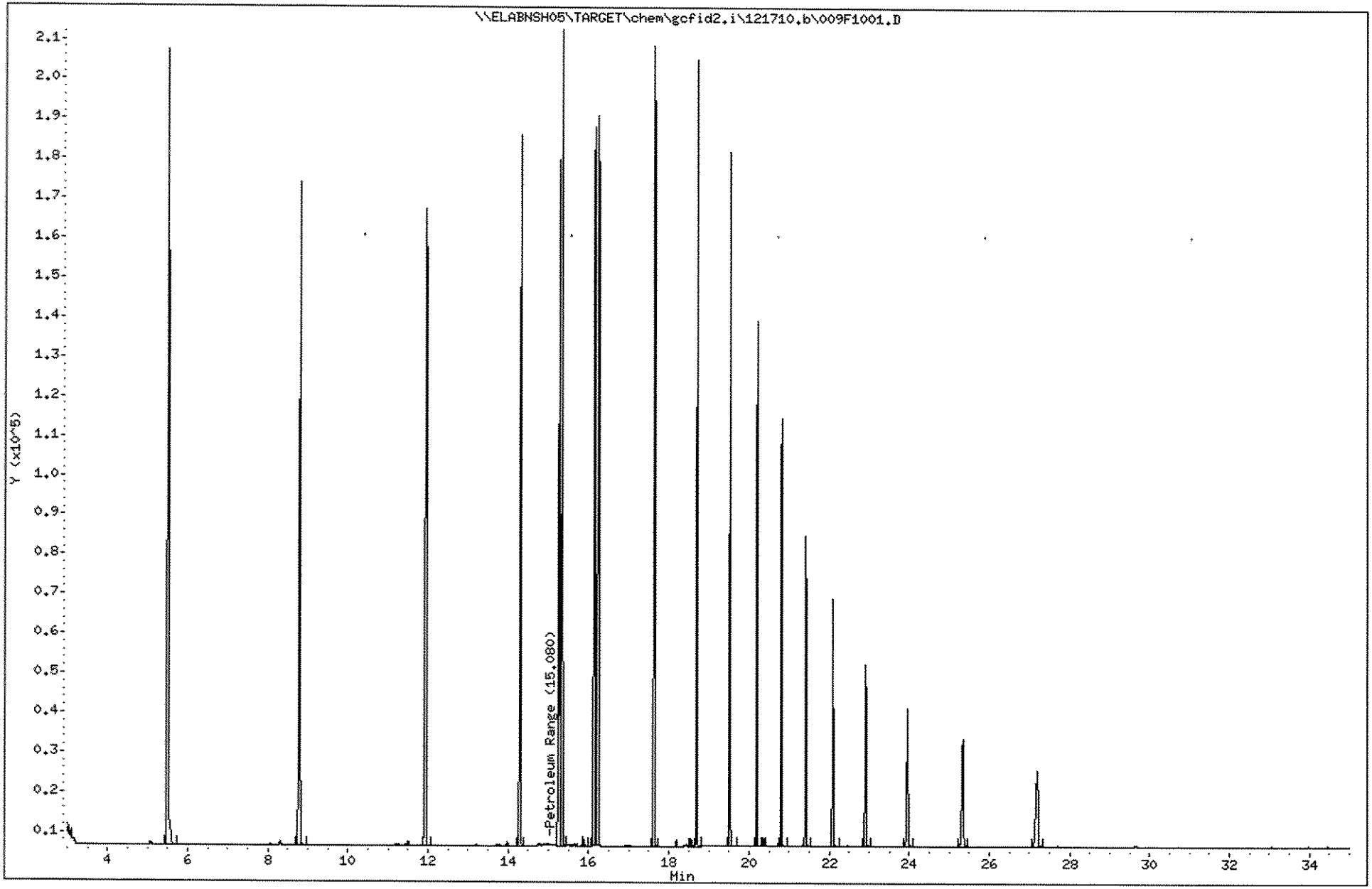
12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\009F1001.D
Date : 17-DEC-2010 20:49
Client ID:
Sample Info: SEQ-ICV1

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



Sequence: C:\HPCHEM\FID2\SEQUENCE\121410.S\FLPRO

SEQ: 0L35103

P.341
Jessica Giles
12.17.10

Sequence Table (Front Injector):

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 1	Ins Blk				
2	Vial 2	SEQ-CCV1 10x0909				1x
3	Vial 3	0L09001-~~BLK1~~ BS1 12087.1-6,8				
4	Vial 4	0L13003-BS1 12092.1-11; 12110.1-4				
5	Vial 5	0L13001-BS1 12110.5-8,10; 12118.1-10; 12122.1; 12124.1,2,4; 12125.3				
6	Vial 6	1012054-03;10X (0L07005)				10x
7	Vial 7	0L07005-MS1;10X				
8	Vial 8	0L07005-MSD1;10x				
9	Vial 9	1012054-06;5X				5x
10	Vial 10	0L09001-BLK1 12087.1-6,8				1x
11	Vial 11	1012087-01				
12	Vial 12	1012087-02				
13	Vial 13	1012087-03				
14	Vial 14	1012087-04				
15	Vial 15	1012087-05				
16	Vial 16	1012087-06				
17	Vial 17	0L09001-MS1				
18	Vial 18	0L09001-MSD1				
19	Vial 19	1012087-08				
20	Vial 20	SEQ-CCV2 10x0909				
21	Vial 21	0L13003-BLK1 12092.1-11; 12110.1-4				
22	Vial 22	0L13003-BSD1				
23	Vial 23	1012092-01				
24	Vial 24	1012092-02				
25	Vial 25	1012092-03				
26	Vial 26	1012092-04				
27	Vial 27	1012092-05				
28	Vial 28	1012092-06				
29	Vial 29	1012092-07				
30	Vial 30	1012092-08				
31	Vial 31	1012092-09				
32	Vial 32	1012092-10				
33	Vial 33	SEQ-CCV3 10x0909				
34	Vial 34	1012092-11				
35	Vial 35	1012110-01				
36	Vial 36	1012110-02				
37	Vial 37	1012110-03				
38	Vial 38	1012110-04				
39	Vial 39	0L13001-BLK1 12110.5-8,10; 12118.1-10; 12122.1; 12124.1,2,4; 12125.3				
40	Vial 40	1012110-05				
41	Vial 41	1012110-06				
42	Vial 42	1012110-07				
43	Vial 43	1012110-08				
44	Vial 44	1012110-10				
45	Vial 45	SEQ-CCV4 10x0909				
46	Vial 46	1012118-01				
47	Vial 47	1012118-02				
48	Vial 48	1012118-03				
49	Vial 49	1012118-04 2@10x				
50	Vial 50	1012118-05				
51	Vial 51	1012118-06				
52	Vial 52	1012118-07				
53	Vial 53	1012118-08				
54	Vial 54	1012118-09				
55	Vial 55	1012118-10				
56	Vial 56	SEQ-CCV5 10x0909				
57	Vial 57	1012122-01				
58	Vial 58	0L13001-MS1				
59	Vial 59	0L13001-MSD1				

Sequence: C:\HPCHEM\FID2\SEQUENCE\121410.S \FLPRO

P.342

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
60	Vial 60	1012124-01				
61	Vial 61	1012124-02				
62	Vial 62	1012124-04				
63	Vial 63	1012125-03				
64	Vial 64	SEQ-CCV6 1DMDS09				

1x

Jessica L. Sales
12.17.10

Sequence Table (Back Injector):

No entries - empty table!

FLPRO: 2.970-27.287
2-FluoD: 11.513
OTP: 17.020

Laboratory Name

JLS 12.17.10

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\001F0101.D
Lab Smp Id: Ins Blk
Inj Date : 14-DEC-2010 16:37
Operator : JLS Inst ID: gcfid2.i
Smp Info : Ins Blk
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m
Meth Date : 17-Dec-2010 09:04 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)

PK 12/17/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\001F0101.D

Date : 14-DEC-2010 16:37

Client ID:

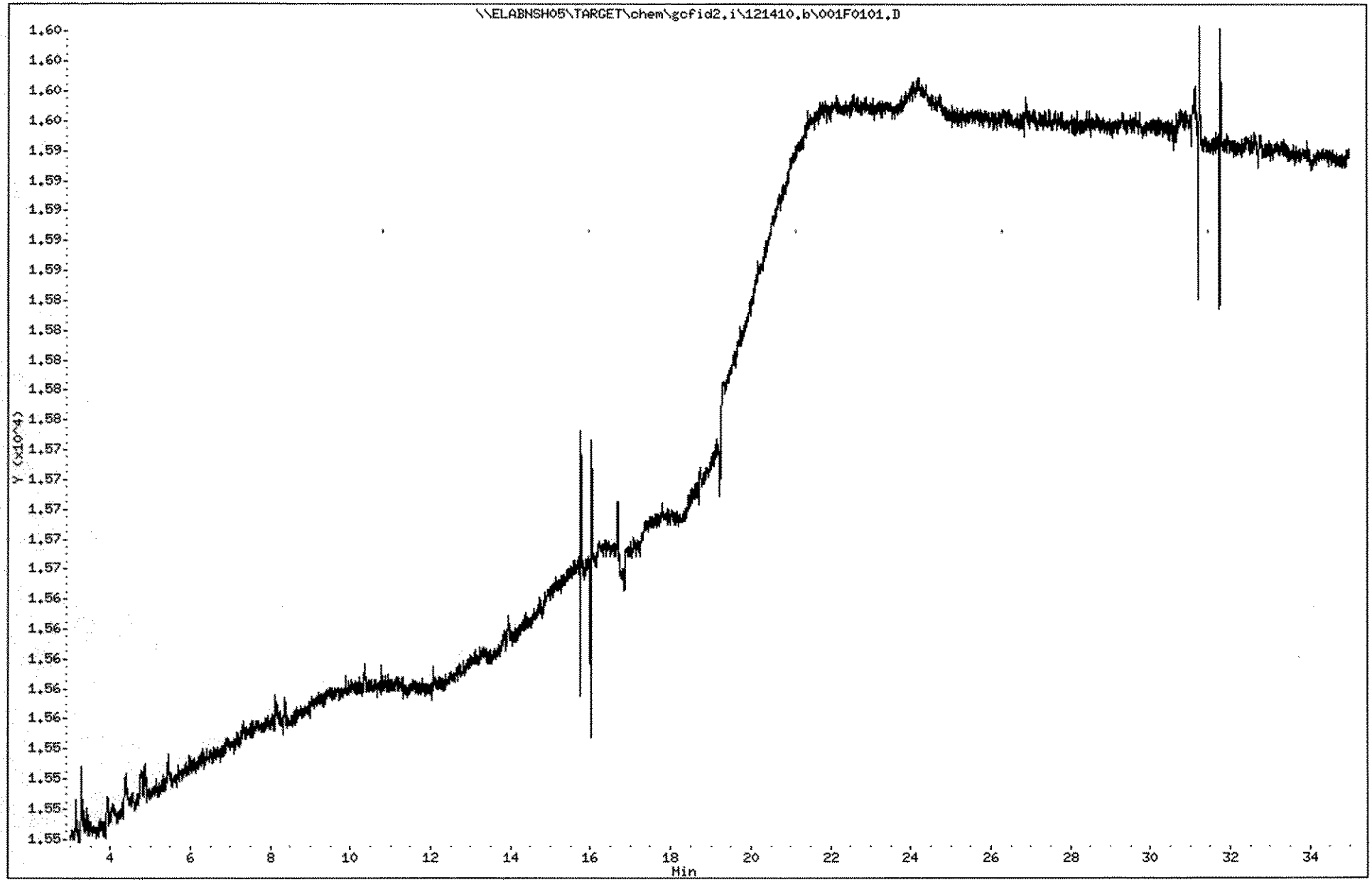
Instrument: gcfid2.i

Sample Info: Ins Blk

Operator: JLS

Column phase: ZB-5ms

Column diameter: 0.32



Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

JG 12.17.10

Instrument ID: gcfid2.i Injection Date: 14-DEC-2010 17:20
Lab File ID: 002F0201.D Init. Cal. Date(s): 16-MAR-2007 19-NOV-2010
Analysis Type: Init. Cal. Times: 10:21 17:02
Lab Sample ID: SEQ-CCV1 Quant Type: ESTD
Method: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m

COMPOUND	RRF	RF4250	MIN RRF	%D	MAX %D
S 1 Petroleum Range	1882	1663	0.010	-11.6	25.0
$ 2 2-Fluorobiphenyl	2531	3038	0.010	20.0	25.0
$ 3 Ortho-Terphenyl	3903	3041	0.010	-22.1	25.0

Pre 12/17/10

JLS 12.17.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\002F0201.D
Lab Smp Id: SEQ-CCV1
Inj Date : 14-DEC-2010 17:20
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CCV1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m
Meth Date : 17-Dec-2010 09:06 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.970-27.287			7067440	4250.00	3756
$ 2 2-Fluorobiphenyl	11.513	11.513	0.000	75939	25.0000	30.01
$ 3 Ortho-Terphenyl	17.020	17.020	0.000	76035	25.0000	19.48

12/17/10

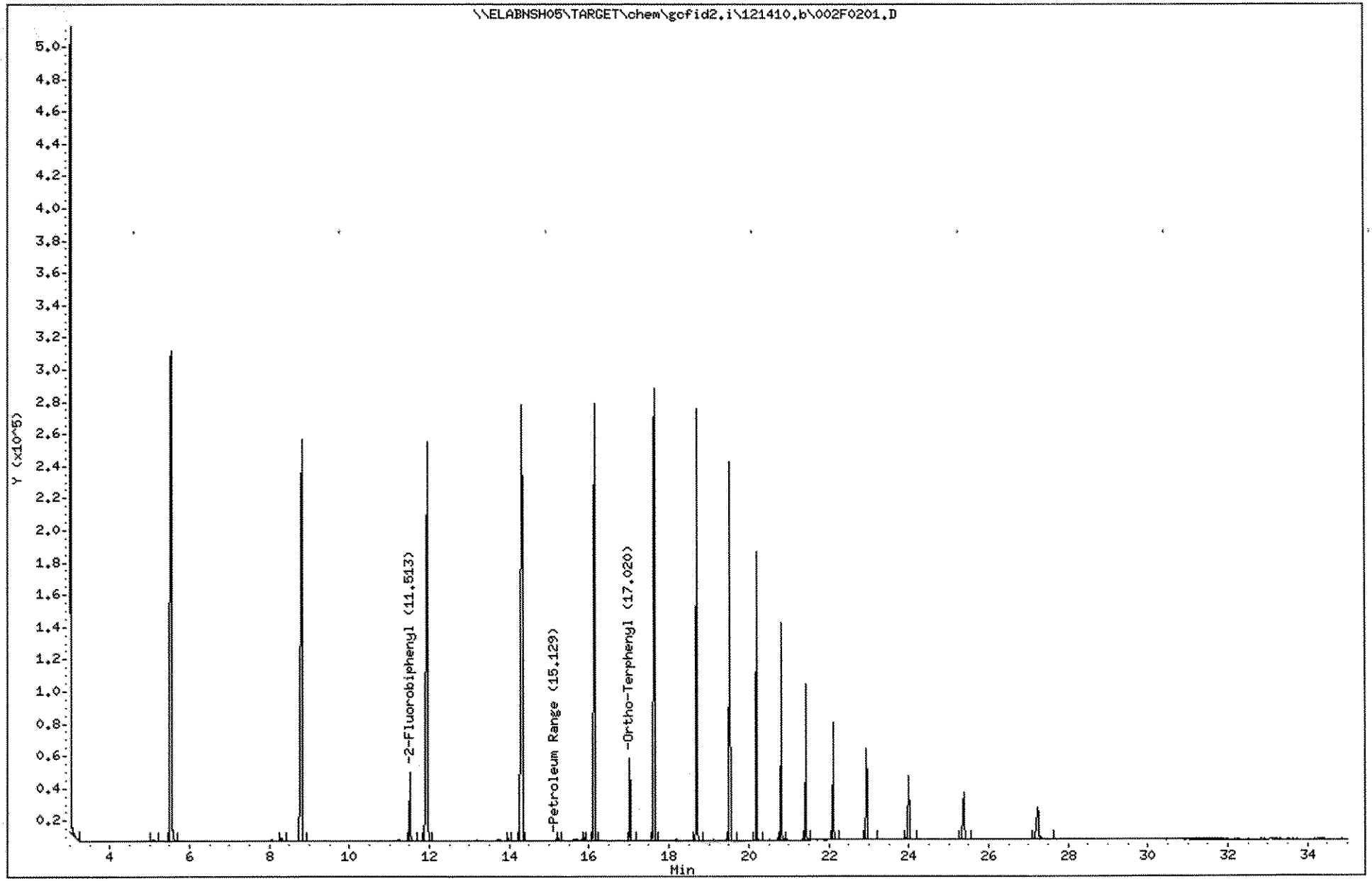
Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\002F0201.D
Date : 14-DEC-2010 17:20
Client ID:
Sample Info: SEQ-CCV1

Instrument: gcfid2.i

Operator: JLS

Column phase: ZB-5ms

Column diameter: 0.32



JLS 12.17.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\004F0401.D
Lab Smp Id: 0L13003-BS1 Client Smp ID: 0L13003-BS1
Inj Date : 14-DEC-2010 18:44
Operator : JLS Inst ID: gcfid2.i
Smp Info : 0L13003-BS1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m
Meth Date : 17-Dec-2010 09:06 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
S 1 Petroleum Range	2.970	-27.287		2072828	1101.61	1102
$ 2 2-Fluorobiphenyl	11.503	11.513	-0.010	56868	22.4718	22.47(R)
$ 3 Ortho-Terphenyl	17.010	17.020	-0.010	60879	15.5981	15.60(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

PRU: $\frac{2072828}{1881.629}$; 1101.61

12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\004F0401.D

Date : 14-DEC-2010 18:44

Client ID: OL13003-BS1

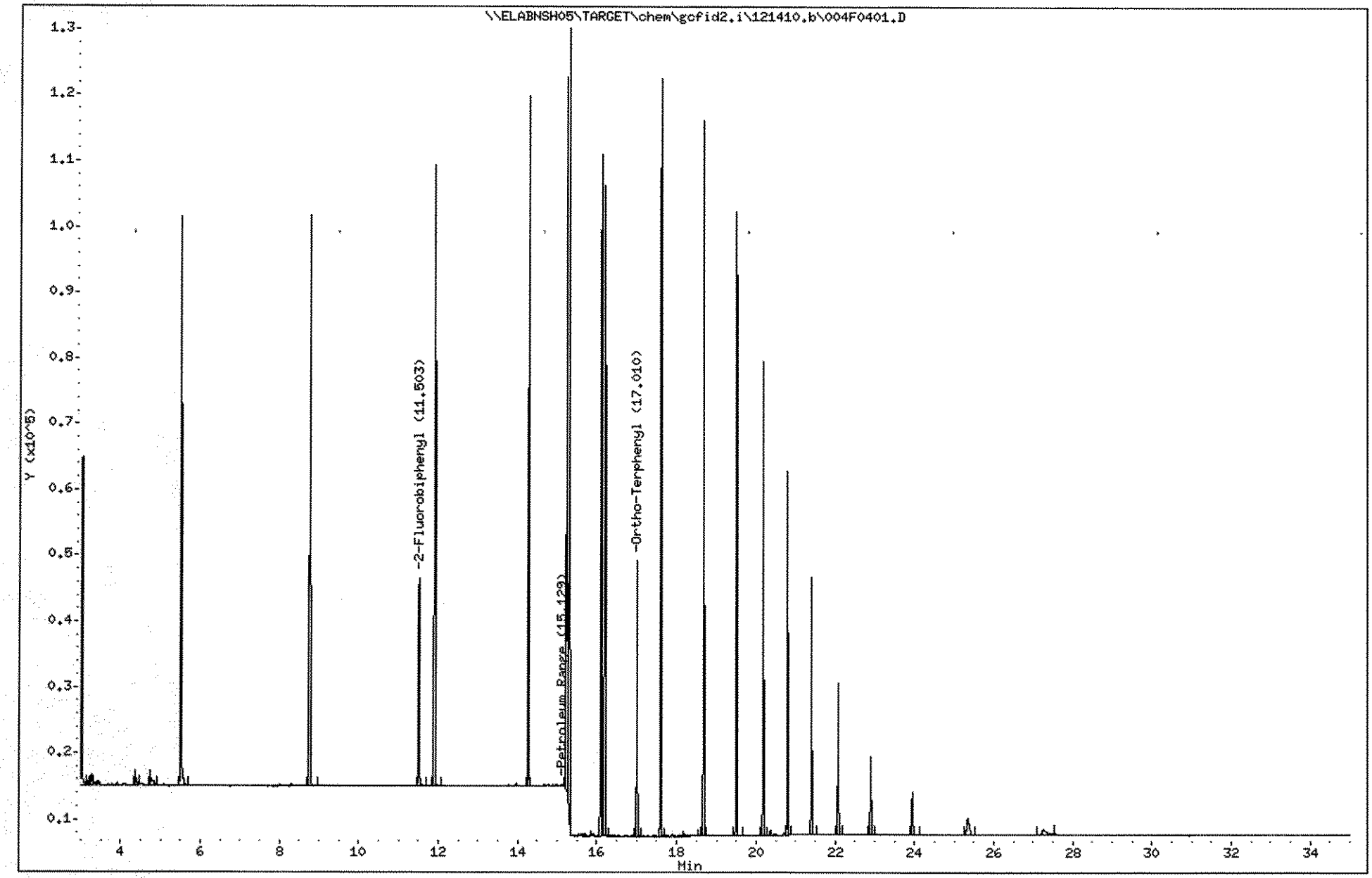
Sample Info: OL13003-BS1

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS

Column diameter: 0.32



Laboratory Name

JLS 12.17.10

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\005F0501.D
Lab Smp Id: 0L13001-BS1 Client Smp ID: 0L13001-BS1
Inj Date : 14-DEC-2010 19:26
Operator : JLS Inst ID: gcfid2.i
Smp Info : 0L13001-BS1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m
Meth Date : 17-Dec-2010 09:06 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
S 1 Petroleum Range	2.970-27.287			1977836	1051.13	1051
$ 2 2-Fluorobiphenyl	11.503	11.513	-0.010	50687	20.0293	20.03(R)
$ 3 Ortho-Terphenyl	17.006	17.020	-0.014	52458	13.4405	13.44(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

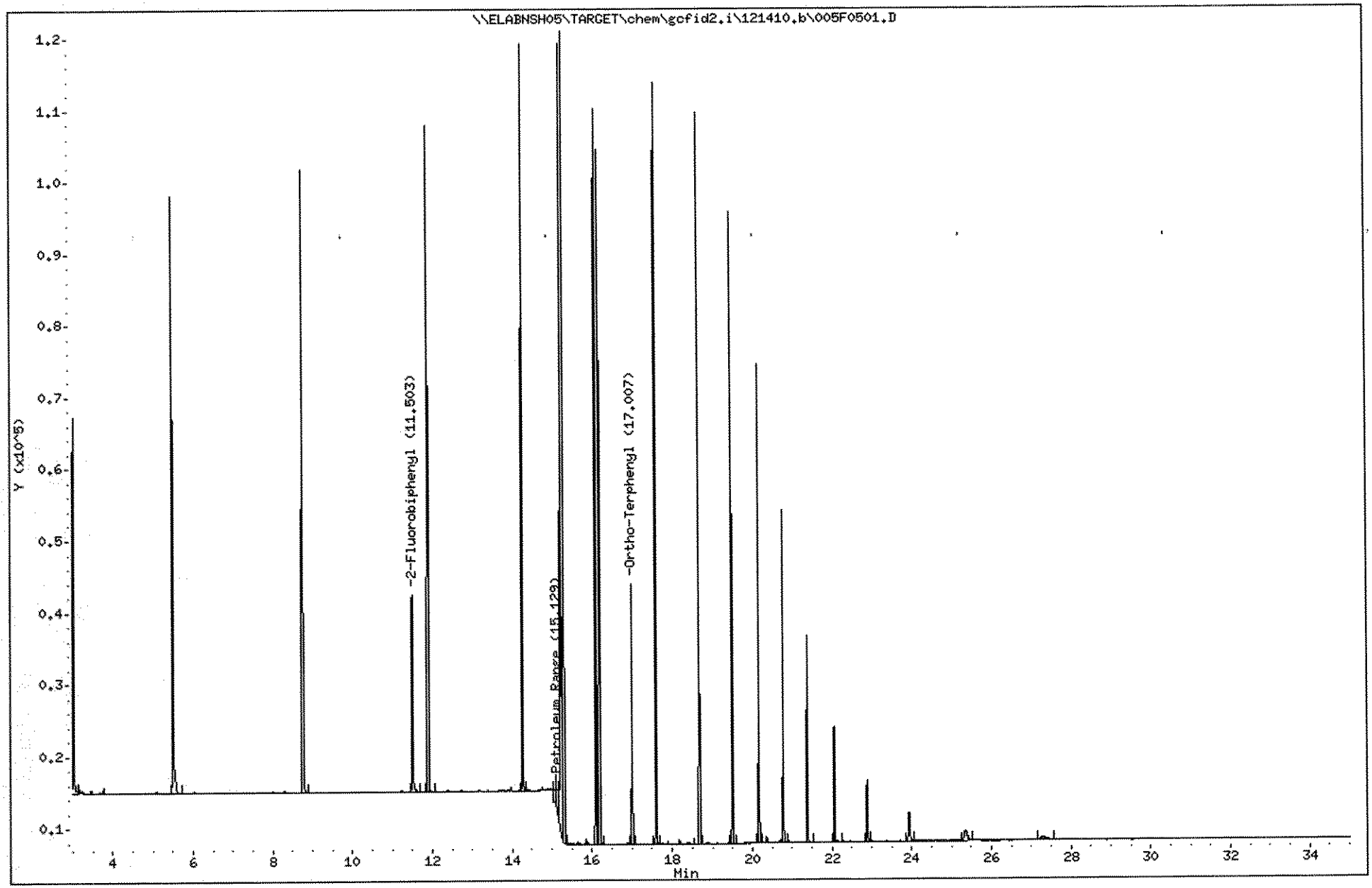
12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\005F0501.D
Date : 14-DEC-2010 19:26
Client ID: OL13001-BS1
Sample Info: OL13001-BS1

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

Column phase: ZB-5ms



Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

12-17-10

Instrument ID: gcfid2.i Injection Date: 15-DEC-2010 05:55
Lab File ID: 020F2001.D Init. Cal. Date(s): 16-MAR-2007 19-NOV-2010
Analysis Type: Init. Cal. Times: 10:21 17:02
Lab Sample ID: SEQ-CCV2 Quant Type: ESTD
Method: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m

COMPOUND	RRF	RF4250	MIN RRF	%D	MAX %D
S 1 Petroleum Range	1882	0 1700	0.010	-9.7	25.0
$ 2 2-Fluorobiphenyl	2531	3126	0.010	23.5	25.0
$ 3 Ortho-Terphenyl	3903	3132	0.010	-19.7	25.0

12/17/10

12/21/10

JLS 12.17.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\020F2001.D
Lab Smp Id: SEQ-CCV2
Inj Date : 15-DEC-2010 05:55
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CCV2
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m
Meth Date : 17-Dec-2010 09:06 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.970-27.287			7223791	4250.00	3839
$ 2 2-Fluorobiphenyl	11.510	11.513	-0.003	78152	25.0000	30.88
$ 3 Ortho-Terphenyl	17.016	17.020	-0.004	78308	25.0000	20.06

12/17/10

12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\020F2001.D

Date : 15-DEC-2010 05:55

Client ID:

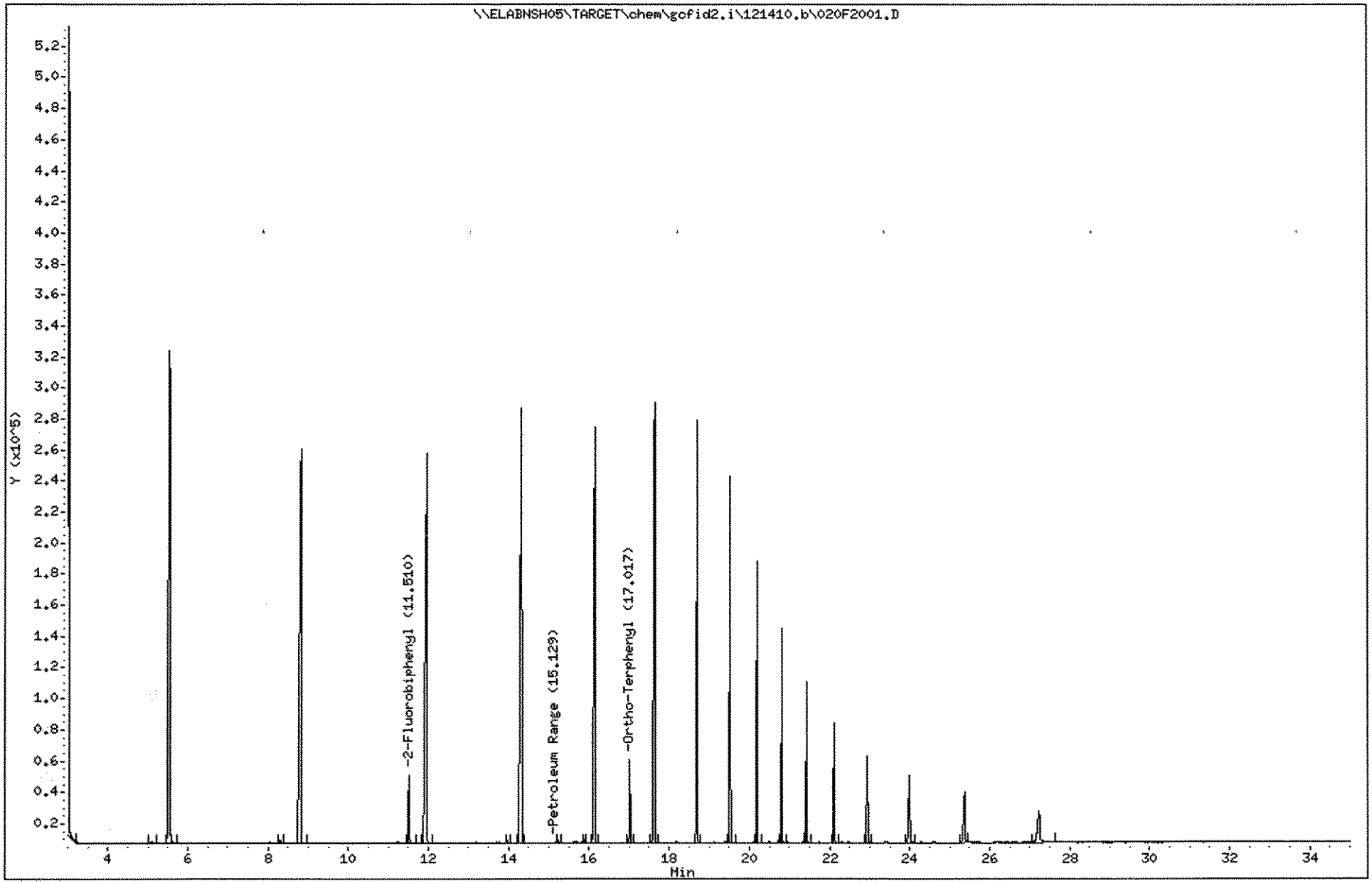
Instrument: gcfid2.i

Sample Info: SEQ-CCV2

Operator: JLS

Column phase: ZB-5ms

Column diameter: 0.32



Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

JLG 12.20.10

Instrument ID: gcfid2.i
Lab File ID: 033F3301.D
Analysis Type:
Lab Sample ID: SEQ-CCV3
Method: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m

Injection Date: 15-DEC-2010 15:02
Init. Cal. Date(s): 16-MAR-2007 19-NOV-2010
Init. Cal. Times: 10:21 17:02
Quant Type: ESTD

COMPOUND	RRF	RF4250.	MIN RRF	%D	MAX %D	
S 1 Petroleum Range	1882	0 2383	0.010	26.7	25.0	<- 4
$ 2 2-Fluorobiphenyl	2531	4214	0.010	66.5	25.0	<- 4
$ 3 Ortho-Terphenyl	3903	4246	0.010	8.8	25.0	

12/21/10

JLS 12.20.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\033F3301.D
Lab Smp Id: SEQ-CCV3
Inj Date : 15-DEC-2010 15:02
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CCV3
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m
Meth Date : 20-Dec-2010 11:43 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 33 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.970	-27.287		10129370	4250.00	5383
$ 2 2-Fluorobiphenyl	11.506	11.513	-0.007	105349	25.0000	41.63
$ 3 Ortho-Terphenyl	17.013	17.020	-0.007	106149	25.0000	27.20

12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\033F3301.D

Date : 15-DEC-2010 15:02

Client ID:

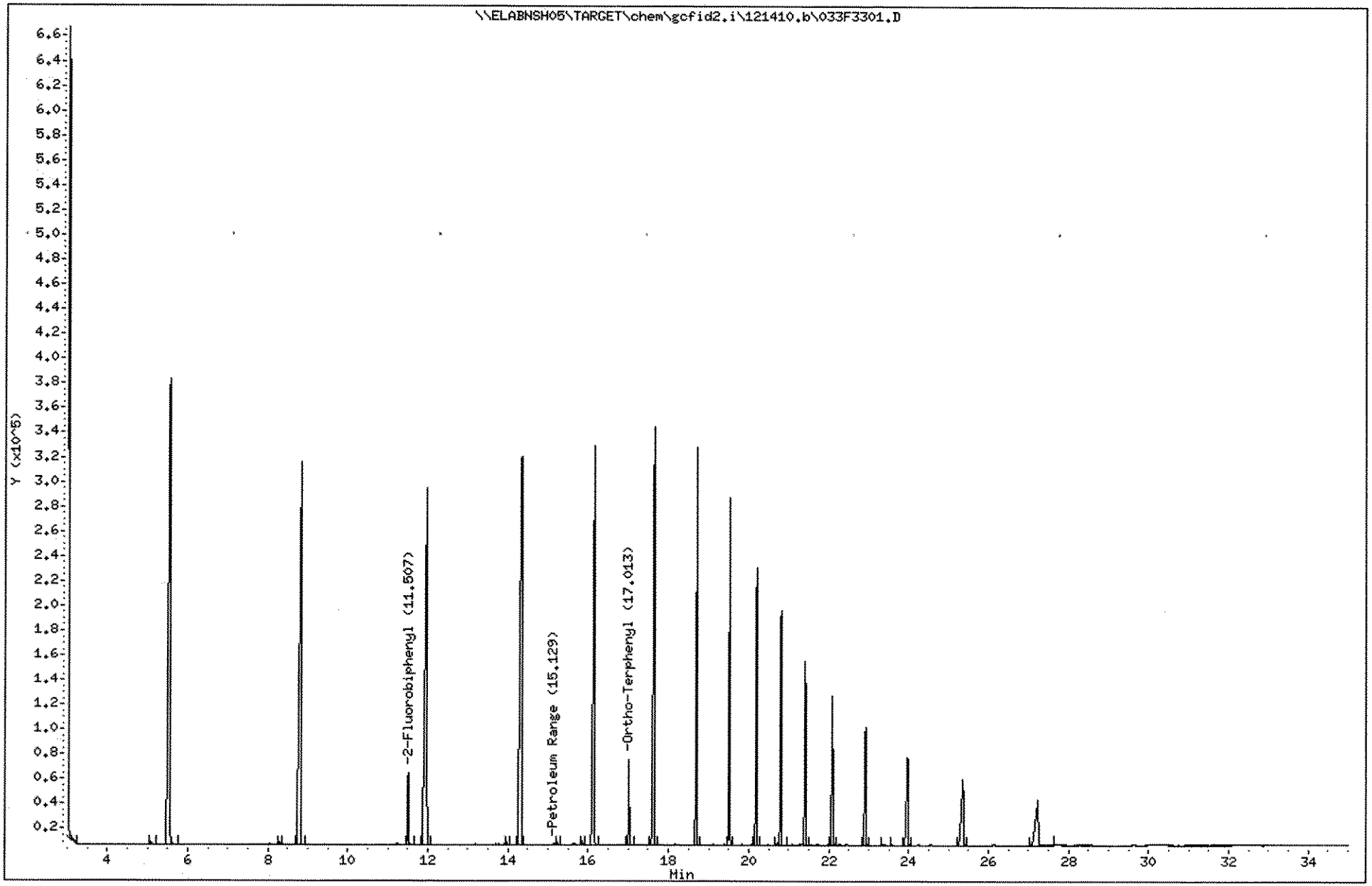
Sample Info: SEQ-CCV3

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS

Column diameter: 0.32



571

CTO154OURI_002

JLS 12.20.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\039F3901.D
Lab Smp Id: 0L13001-BLK1 Client Smp ID: 0L13001-BLK1
Inj Date : 15-DEC-2010 19:15
Operator : JLS Inst ID: gcfid2.i
Smp Info : 0L13001-BLK1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m
Meth Date : 20-Dec-2010 11:43 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 39
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

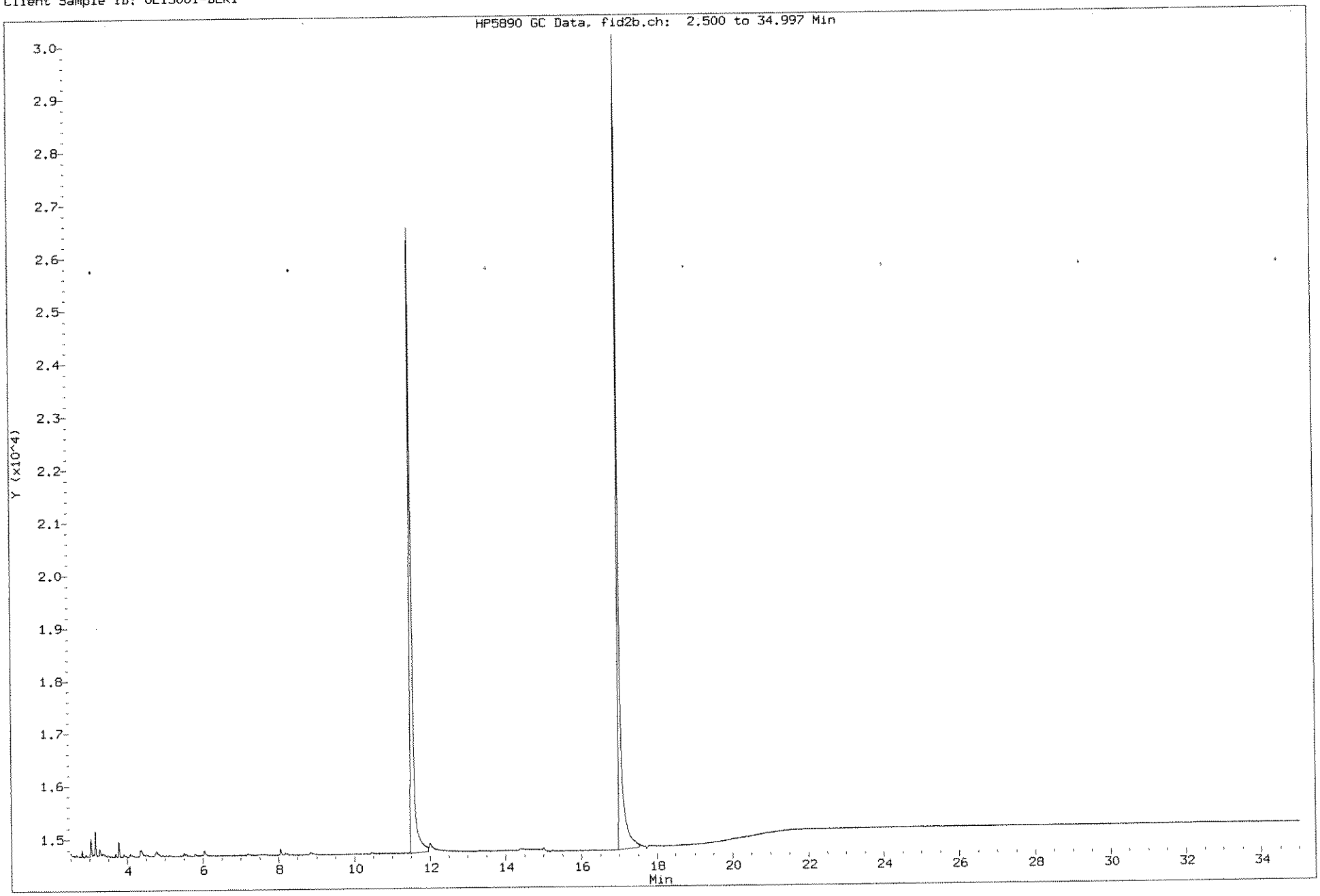
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
$ 2 2-Fluorobiphenyl	11.506	11.513	-0.007	46886	18.5273	18.53(RM)
$ 3 Ortho-Terphenyl	17.010	17.020	-0.010	45900	11.7603	11.76(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

12/21/10

Data File: \\ELABNSHO5\TARGET\chem\gcfid2.i\121410.b\039F3901.D
Injection Date: 15-DEC-2010 19:15
Instrument: gcfid2.i
Client Sample ID: OL13001-BLK1



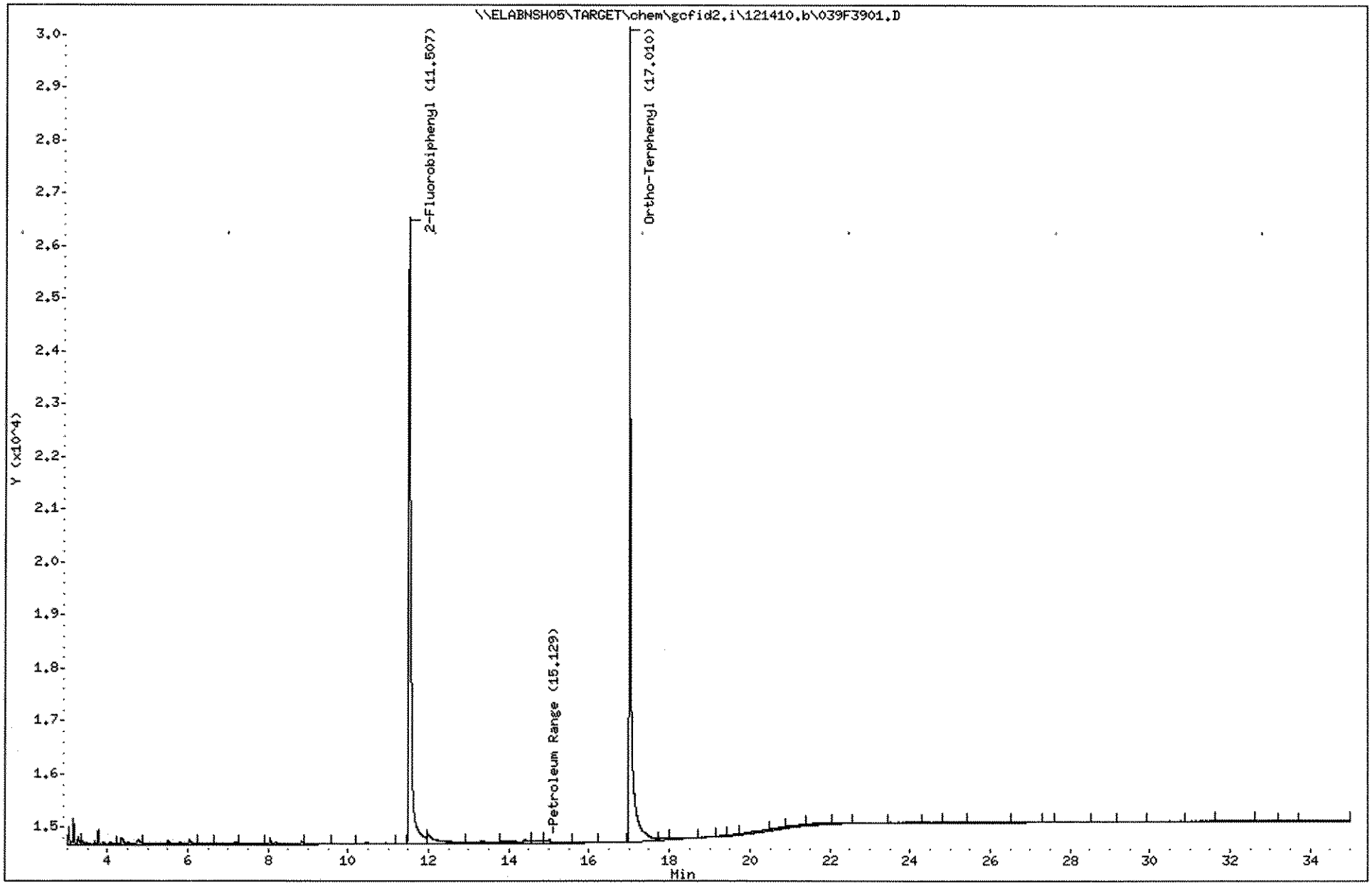
Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\039F3901.D
Date : 15-DEC-2010 19:15
Client ID: OL13001-BLK1
Sample Info: OL13001-BLK1

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

01.08.01
JLS



Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcfid2.i
Lab File ID: 045F4501.D
Analysis Type:
Lab Sample ID: SEQ-CCV4
Method: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m

Injection Date: 15-DEC-2010 23:27
Init. Cal. Date(s): 16-MAR-2007 19-NOV-2010
Init. Cal. Times: 10:21 17:02
Quant Type: ESTD

COMPOUND	RRF	RF4250	MIN RRF	%D	MAX %D	
S 1 Petroleum Range	1882	1844	0.010	-2.0	25.0	
$ 2 2-Fluorobiphenyl	2531	3212	0.010	26.9	25.0	<-
$ 3 Ortho-Terphenyl	3903	3260	0.010	-16.5	25.0	

JLS 12.20.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\045F4501.D
Lab Smp Id: SEQ-CCV4
Inj Date : 15-DEC-2010 23:27
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CCV4
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m
Meth Date : 20-Dec-2010 11:57 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 45 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.970-27.287			7838686	4250.00	4166
$ 2 2-Fluorobiphenyl	11.503	11.513	-0.010	80298	25.0000	31.73
$ 3 Ortho-Terphenyl	17.010	17.020	-0.010	81492	25.0000	20.88

12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\045F4501.D

Page 2

Date : 15-DEC-2010 23:27

Client ID:

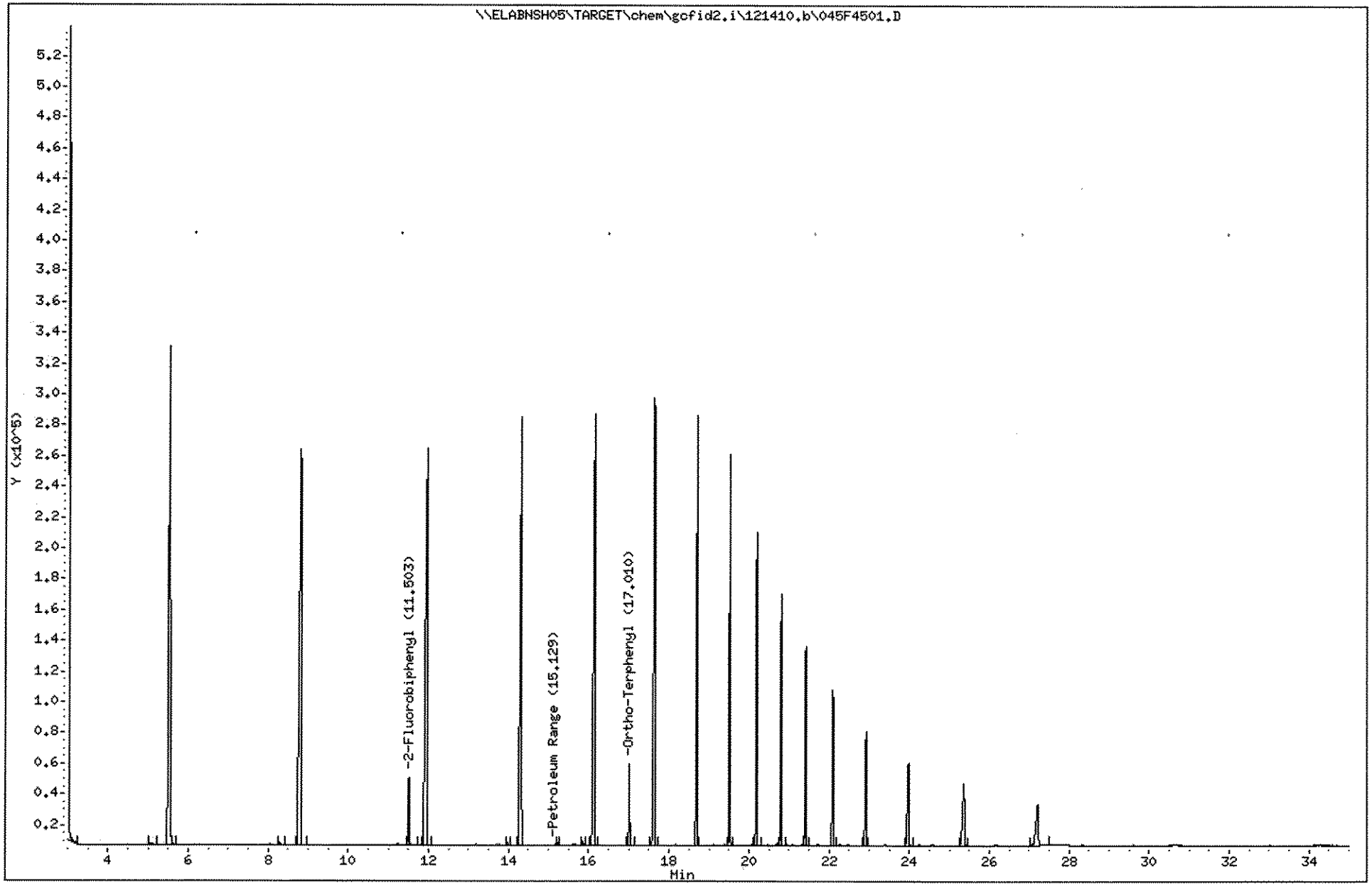
Instrument: gcfid2.i

Sample Info: SEQ-CCV4

Operator: JLS

Column phase: ZB-5ms

Column diameter: 0.32



577

CTO154OURI_002

Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

JLB 12.20.10

Instrument ID: gcfid2.i
Lab File ID: 056F5601.D
Analysis Type:
Lab Sample ID: SEQ-CCV5
Method: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m

Injection Date: 16-DEC-2010 07:13
Init. Cal. Date(s): 16-MAR-2007 19-NOV-2010
Init. Cal. Times: 10:21 17:02
Quant Type: ESTD

COMPOUND	RRF	RF4250	MIN RRF	%D	MAX %D	
S 1 Petroleum Range	1882	2348	0.010	24.8	25.0	
$ 2 2-Fluorobiphenyl	2531	4 4326	0.010	71.0	25.0	<- *
$ 3 Ortho-Terphenyl	3903	6 4371	0.010	12.0	25.0	

12/21/10

JLS 12.20.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\056F5601.D
Lab Smp Id: SEQ-CCV5
Inj Date : 16-DEC-2010 07:13
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CCV5
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m
Meth Date : 20-Dec-2010 11:57 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 56 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.970-27.287			9980229	4250.00	5304
$ 2 2-Fluorobiphenyl	11.506	11.513	-0.007	108160	25.0000	42.74
$ 3 Ortho-Terphenyl	17.016	17.020	-0.004	109273	25.0000	28.00

12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\056F5601.D

Date : 16-DEC-2010 07:13

Client ID:

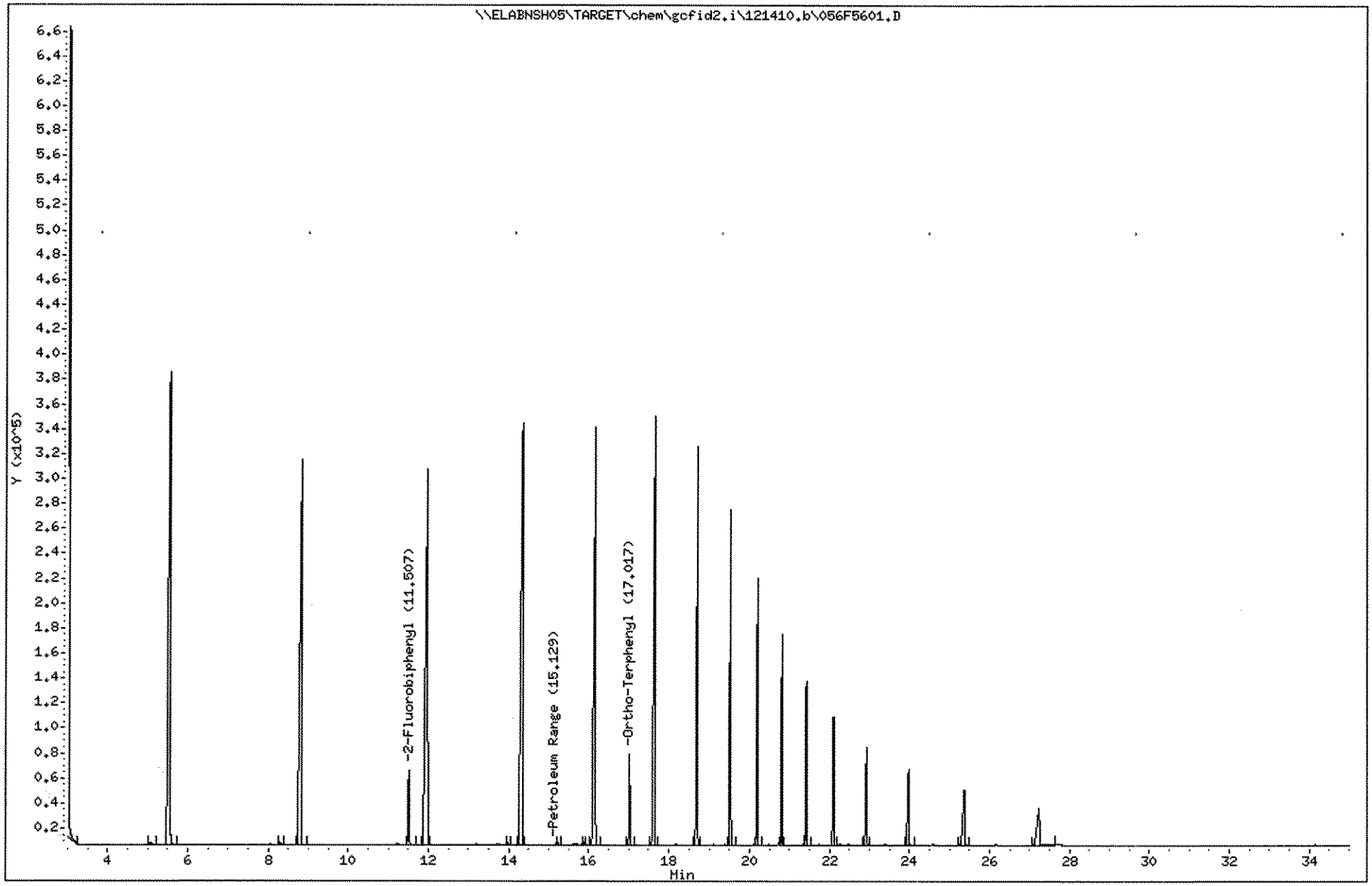
Instrument: gcfid2.i

Sample Info: SEQ-CCV5

Operator: JLS

Column phase: ZB-5ms

Column diameter: 0.32



580

CTO154OURI_002

JLS 12.20.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\063F6301.D
Lab Smp Id: 1012125-03 Client Smp ID: JAX-MW-780-DUP01-GW
Inj Date : 16-DEC-2010 12:09
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1012125-03
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m
Meth Date : 20-Dec-2010 11:57 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 63
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

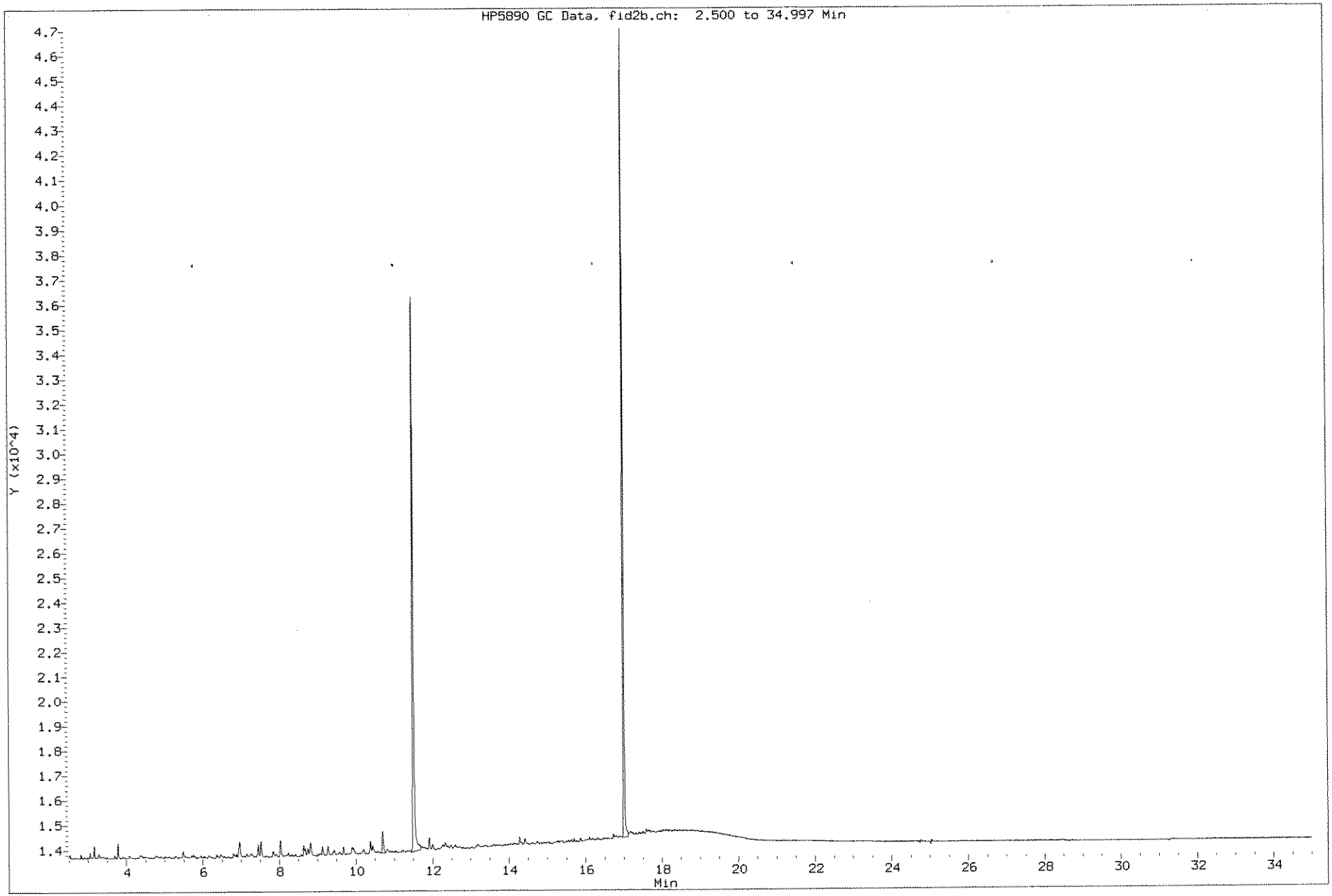
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
S 1 Petroleum Range	2.970-27.287			212979	113.189	113.2(M)
$ 2 2-Fluorobiphenyl	11.506	11.513	-0.007	46710	18.4578	18.46(RM)
$ 3 Ortho-Terphenyl	17.006	17.020	-0.014	49230	12.6135	12.61(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

hL
12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\063F6301.D
Injection Date: 16-DEC-2010 12:09
Instrument: gcfid2.i
Client Sample ID: JAX-MW-780-DUP01-GW



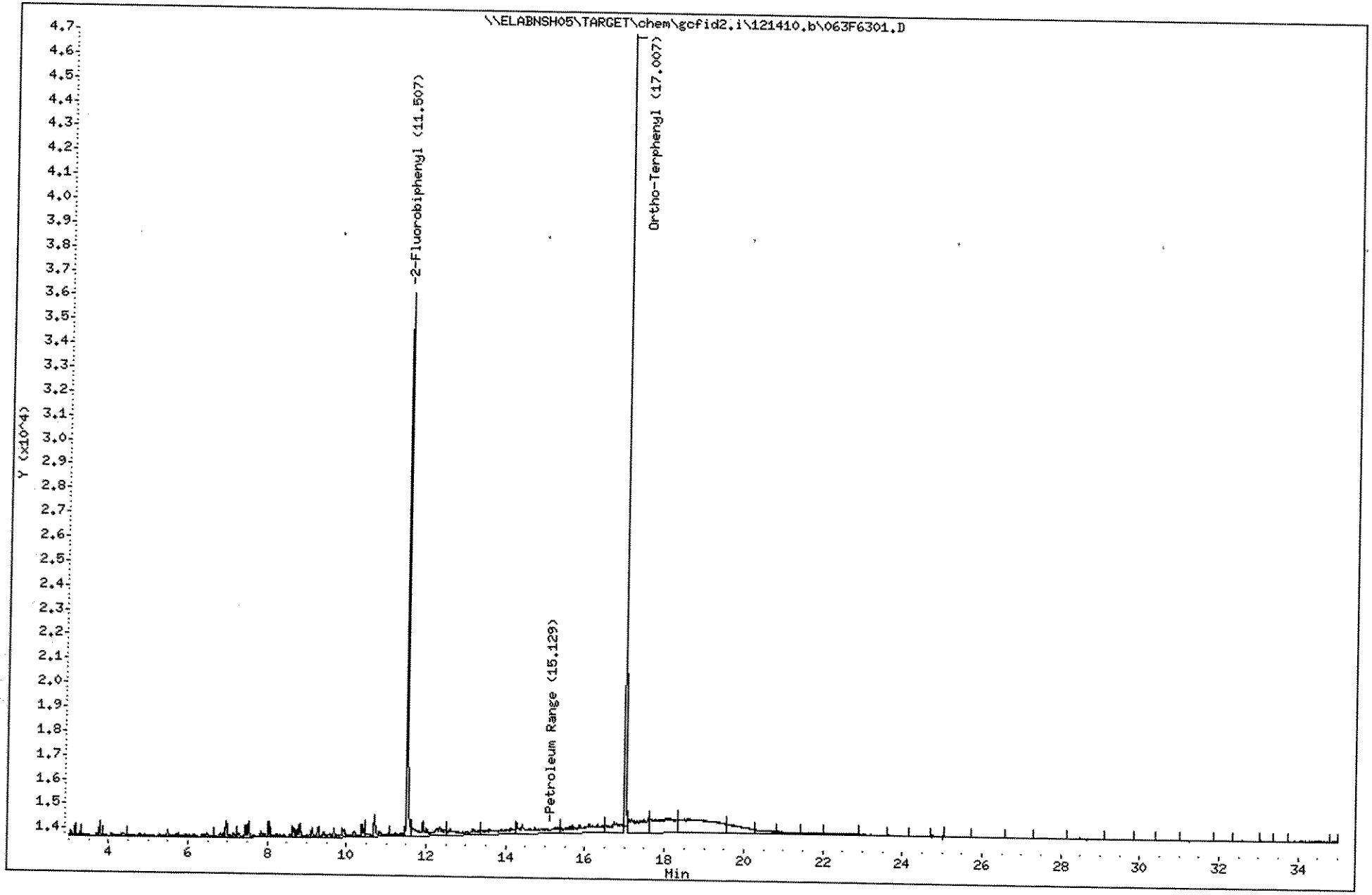
Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\063F6301.D
Date : 16-DEC-2010 12:09
Client ID: JAX-MW-780-DUP01-GW
Sample Info: 1012125-03

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

01.00.01
JLS
12/16/10



583

CTO154OURI_002

Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

12.20.10

Instrument ID: gcfid2.i Injection Date: 16-DEC-2010 12:51
Lab File ID: 064F6401.D Init. Cal. Date(s): 16-MAR-2007 19-NOV-2010
Analysis Type: Init. Cal. Times: 10:21 17:02
Lab Sample ID: SEQ-CCV6 Quant Type: ESTD
Method: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m

COMPOUND	RRF	RF4250	MIN RRF	%D	MAX %D
S 1 Petroleum Range	1882	0 1756	0.010	-6.7	25.0
$ 2 2-Fluorobiphenyl	2531	3149	0.010	24.4	25.0
$ 3 Ortho-Terphenyl	3903	3225	0.010	-17.4	25.0

WL
12/21/10

Laboratory Name

JLS 12.20.10

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\064F6401.D
Lab Smp Id: SEQ-CCV6
Inj Date : 16-DEC-2010 12:51
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CCV6
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\FLPROF.m
Meth Date : 20-Dec-2010 11:58 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 64 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.970	27.287		7465040 U	4250.00	3967
$ 2 2-Fluorobiphenyl	11.506	11.513	-0.007	78730	25.0000	31.11
$ 3 Ortho-Terphenyl	17.013	17.020	-0.007	80630	25.0000	20.66

12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121410.b\064F6401.D

Date : 16-DEC-2010 12:51

Client ID:

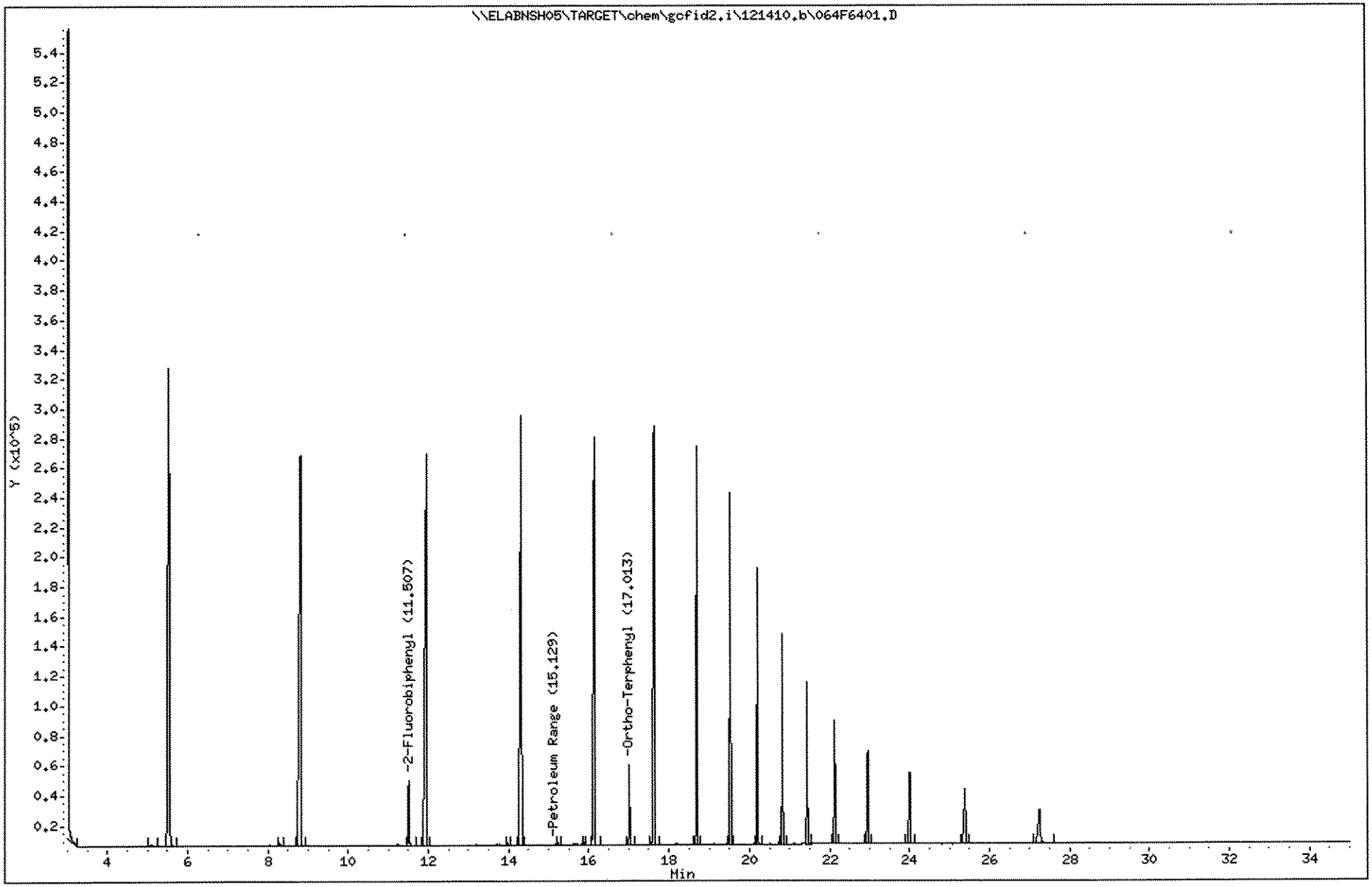
Sample Info: SEQ-CCV6

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS

Column diameter: 0.32



586

CTO154OURI_002

P.343
Jessica Estes
12.20.10

Sequence Table (Front Injector):

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 2	CCVTEST				
2	Vial 1	Ins Blk				
3	Vial 2	SEQ-CCV1 NOT USED / TEST				
4	Vial 3	SEQ-CAL6 \0K0198	35 ppm			
5	Vial 4	SEQ-CAL5 \0K0199	850 ppm			
6	Vial 5	SEQ-CAL4 \0K0200	2550 ppm			
7	Vial 6	SEQ-CAL3 \0L0688	4250 ppm			
8	Vial 7	SEQ-CAL2 \0K0202	5950 ppm			
9	Vial 8	SEQ-CAL1 \0K0203	8500 ppm			
10	Vial 9	SEQ-ICV1 \0K0208	4000 ppm			
11	Vial 10	SEQ-CCV1 \0L0654				
12	Vial 11	0L14021-BLK1 12124.3,5; 12125.1,2; 12134.1-10				
13	Vial 12	0L14021-BS1				
14	Vial 13	0L14021-BSD1				
15	Vial 14	1012124-03				
16	Vial 15	1012124-05				
17	Vial 16	1012125-01				
18	Vial 17	1012125-02				
19	Vial 18	1012134-01				
20	Vial 19	1012134-02				
21	Vial 20	1012134-03				
22	Vial 21	1012134-04				
23	Vial 22	1012134-05				
24	Vial 23	1012134-06				
25	Vial 24	SEQ-CCV2 \0L0654				
26	Vial 25	1012134-07				
27	Vial 26	1012134-08				
28	Vial 27	1012134-09				
29	Vial 28	~~1012087-10~~ 1012134.10 JLG 12.20.10				
30	Vial 29	SEQ-CCV3 \0L0654				

FLPRO CURVE USED & SAVED
SEQ: 0L354116
CAL: 0354003

1x

SEQ: 0L35502

Sequence Table (Back Injector):

No entries - empty table!

FLPRO: 2.900 - 27.260
2-FluoBz: 11.520
OTP: 17.023

JLS 12.21.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\001F0202.D
Lab Smp Id: Ins Blk
Inj Date : 17-DEC-2010 14:42
Operator : JLS Inst ID: gcfid2.i
Smp Info : Ins Blk
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 15:45 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)

12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\001F0202.D

Date : 17-DEC-2010 14:42

Client ID:

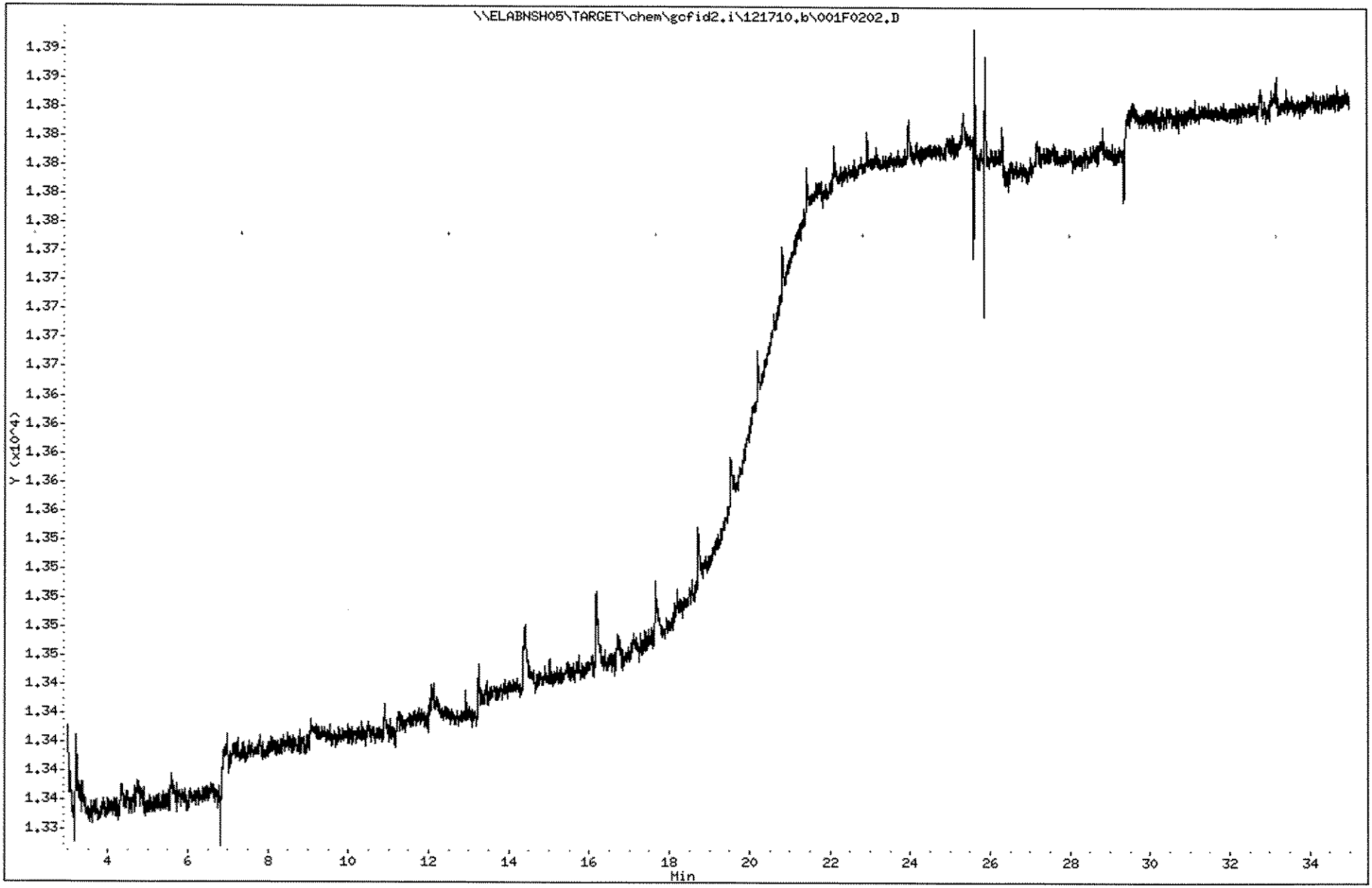
Sample Info: Ins Blk

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS

Column diameter: 0.32



Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

12.21.10

Instrument ID: gcfid2.i
Lab File ID: 010F1101.D
Analysis Type:
Lab Sample ID: SEQ-CCV1
Method: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m

Injection Date: 17-DEC-2010 21:31
Init. Cal. Date(s): 16-MAR-2007 17-DEC-2010
Init. Cal. Times: 10:21 20:07
Quant Type: ESTD

COMPOUND	RRF	RF4250	MIN RRF	%D	MAX %D
S 1 Petroleum Range	1162	998	0.010	-14.1	25.0
$ 2 2-Fluorobiphenyl	1908	1711	0.010	-10.3	25.0
$ 3 Ortho-Terphenyl	2030	1860	0.010	-8.4	25.0

12/21/10

JLS 12.21.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\010F1101.D
Lab Smp Id: SEQ-CCV1
Inj Date : 17-DEC-2010 21:31
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CCV1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 17:01 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.900-27.260			4242619	4250.00	3652
$ 2 2-Fluorobiphenyl	11.520	11.520	0.000	42776	25.0000	22.42
$ 3 Ortho-Terphenyl	17.023	17.023	0.000	46499	25.0000	22.91

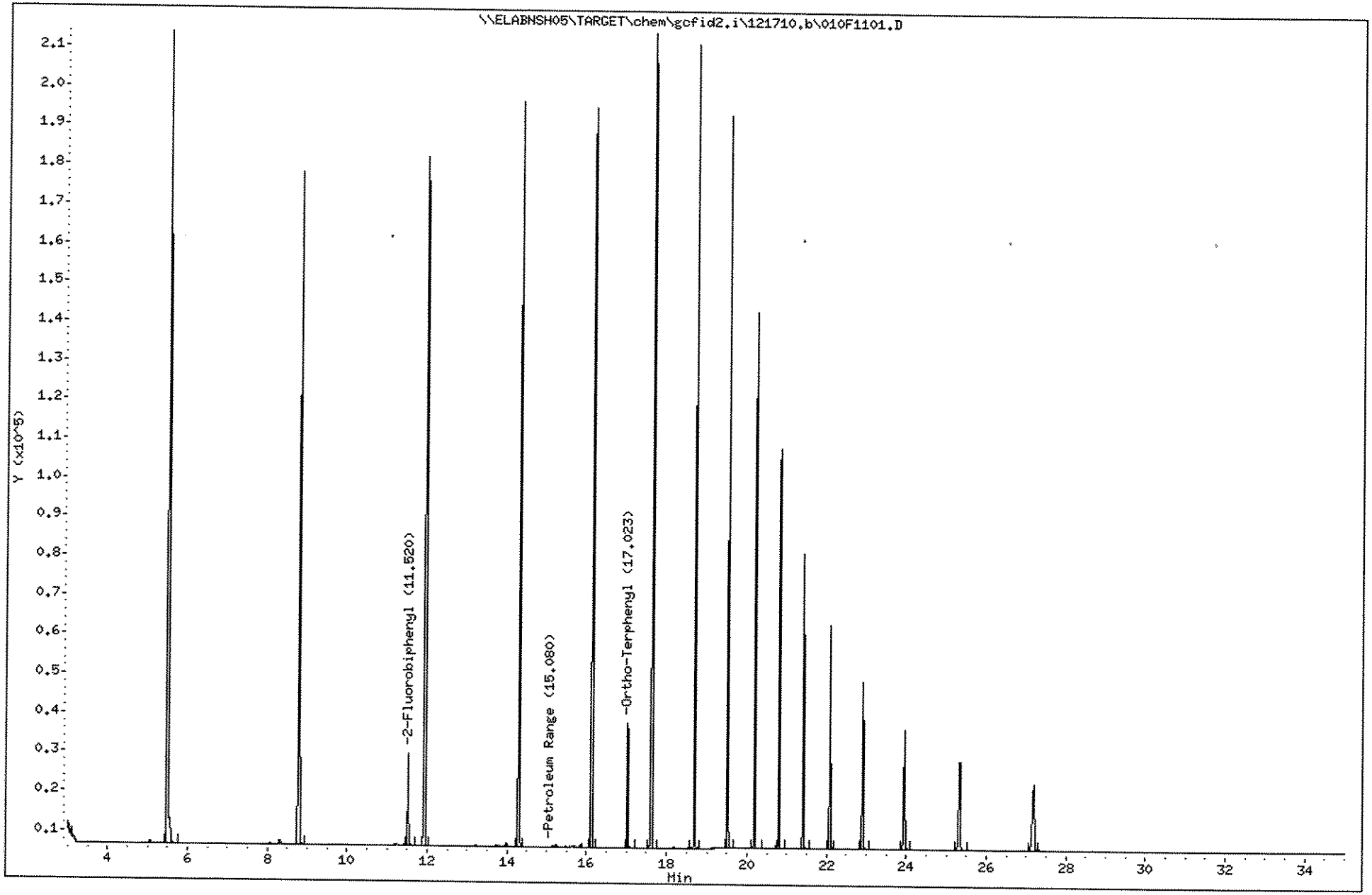
12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\010F1101.D
Date : 17-DEC-2010 21:31
Client ID:
Sample Info: SEQ-CCV1

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



592

CTO154OUR1_002

Laboratory Name

JLS 12.21.10

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\011F1201.D
Lab Smp Id: 0L14021-BLK1 Client Smp ID: 0L14021-BLK1
Inj Date : 17-DEC-2010 22:13
Operator : JLS Inst ID: gcfid2.i
Smp Info : 0L14021-BLK1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 17:01 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

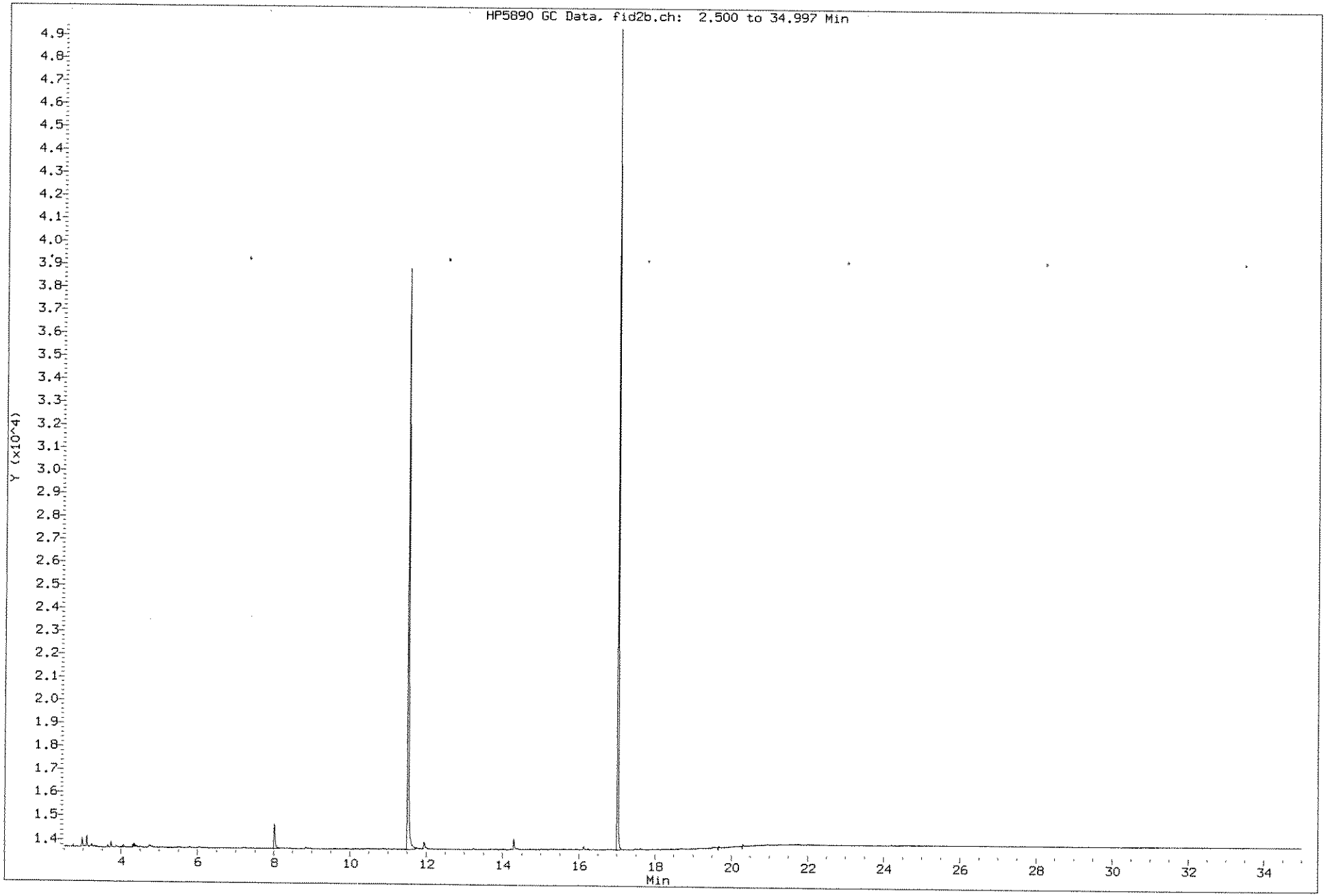
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
$ 2 2-Fluorobiphenyl	11.520	11.520	0.000	47407	24.8525	24.85(RM)
$ 3 Ortho-Terphenyl	17.023	17.023	0.000	52874	26.0502	26.05(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

12/21/10

Data File: \\ELABNSHO5\TARGET\chem\gcfid2.i\121710.b\011F1201.D
Injection Date: 17-DEC-2010 22:13
Instrument: gcfid2.i
Client Sample ID: OL14021-BLK1

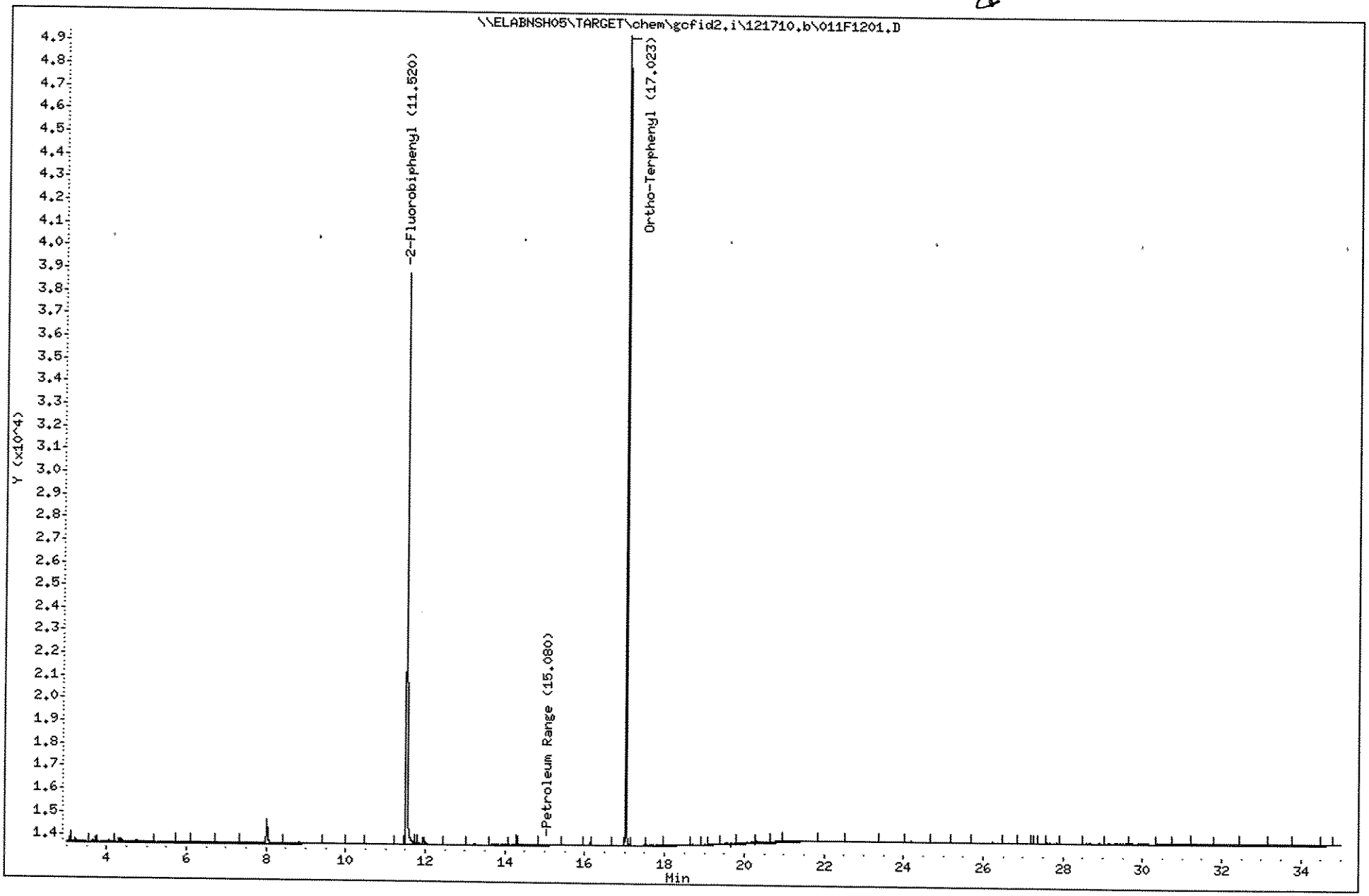


Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\011F1201.D
Date : 17-DEC-2010 22:13
Client ID: OL14021-BLK1
Sample Info: OL14021-BLK1

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



595

CTO154OUR1_002

JLS 12.21.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\012F1301.D
Lab Smp Id: 0L14021-BS1 Client Smp ID: 0L14021-BS1
Inj Date : 17-DEC-2010 22:55
Operator : JLS Inst ID: gcfid2.i
Smp Info : 0L14021-BS1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 17:01 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
S 1 Petroleum Range	2.900-27.260			1598574	1376.10	1376
$ 2 2-Fluorobiphenyl	11.520	11.520	0.000	40840	21.4098	21.41(R)
$ 3 Ortho-Terphenyl	17.023	17.023	0.000	45811	22.5704	22.57(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

PRO: $\frac{1598574}{1161.673} = 1376.096$

OTP: $\frac{45811}{2029.693} = 22.5704$

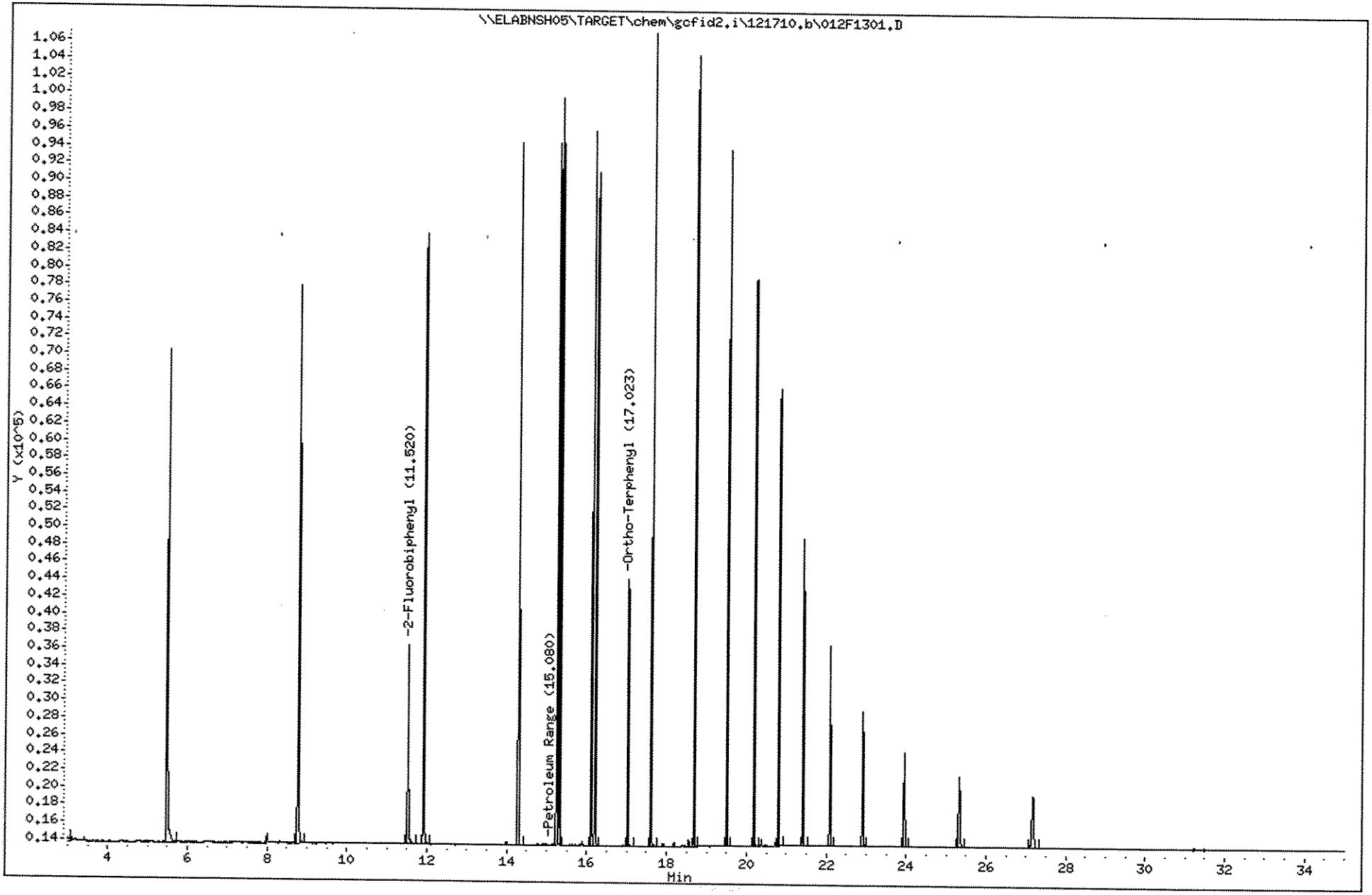
12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\012F1301.D
Date : 17-DEC-2010 22:55
Client ID: OL14021-BS1
Sample Info: OL14021-BS1

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



JLS 12.21.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\013F1401.D
Lab Smp Id: 0L14021-BSD1 Client Smp ID: 0L14021-BSD1
Inj Date : 17-DEC-2010 23:37
Operator : JLS Inst ID: gcfid2.i
Smp Info : 0L14021-BSD1
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 17:01 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-CQLUMN (mg/L)	FINAL (mg/L)
S 1 Petroleum Range	2.900-27.260			1513809	1303.13	1303
$ 2 2-Fluorobiphenyl	11.520	11.520	0.000	38451	20.1574	20.16(R)
$ 3 Ortho-Terphenyl	17.023	17.023	0.000	44078	21.7166	21.72(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

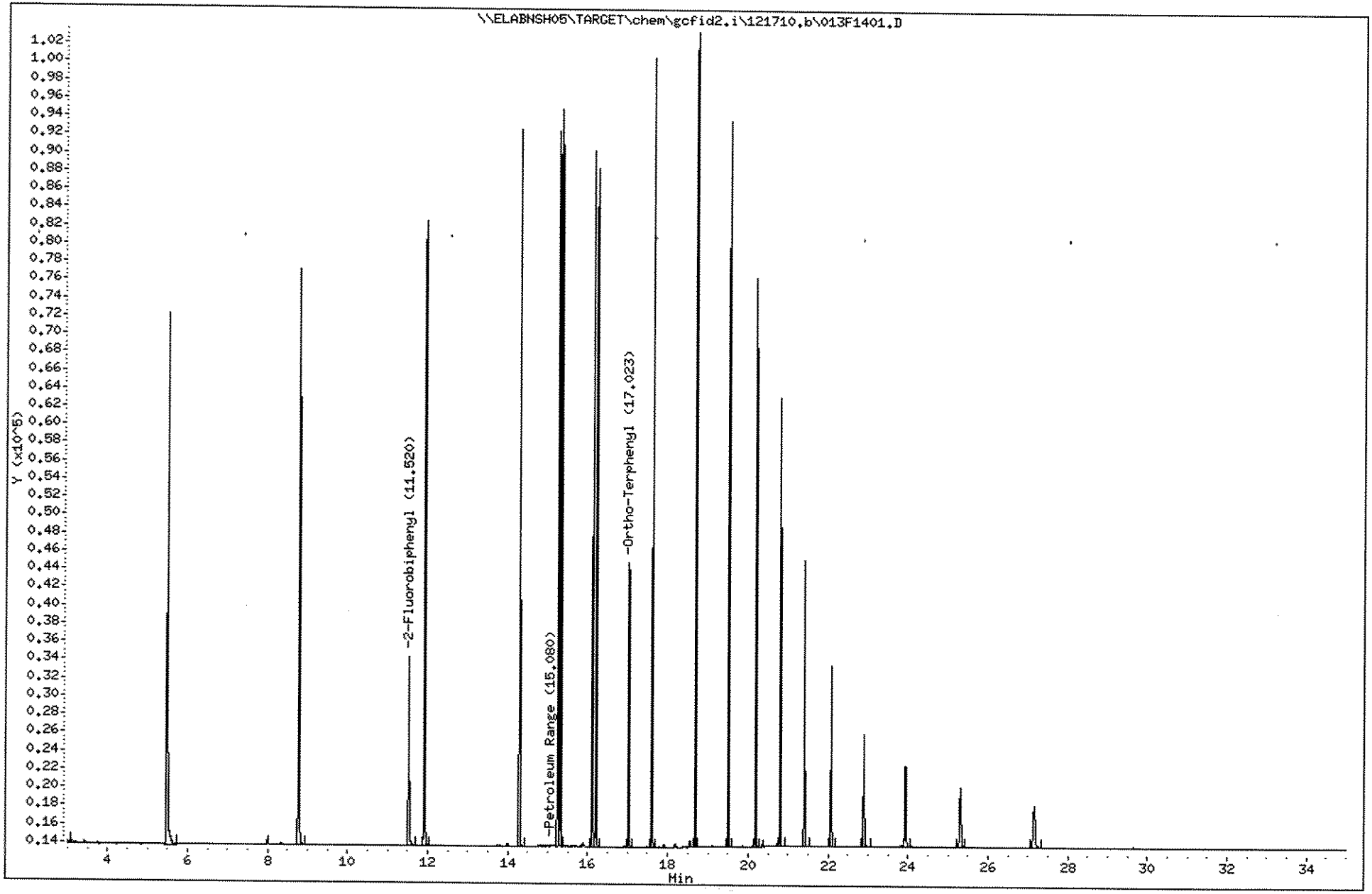
12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\013F1401.D
Date : 17-DEC-2010 23:37
Client ID: OL14021-BSD1
Sample Info: OL14021-BSD1

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



599

CTO154OURI_002

JLS 12.21.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\016F1701.D
Lab Smp Id: 1012125-01 Client Smp ID: JAX-MW-780-1-GW2010
Inj Date : 18-DEC-2010 01:43
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1012125-01
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 17:01 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

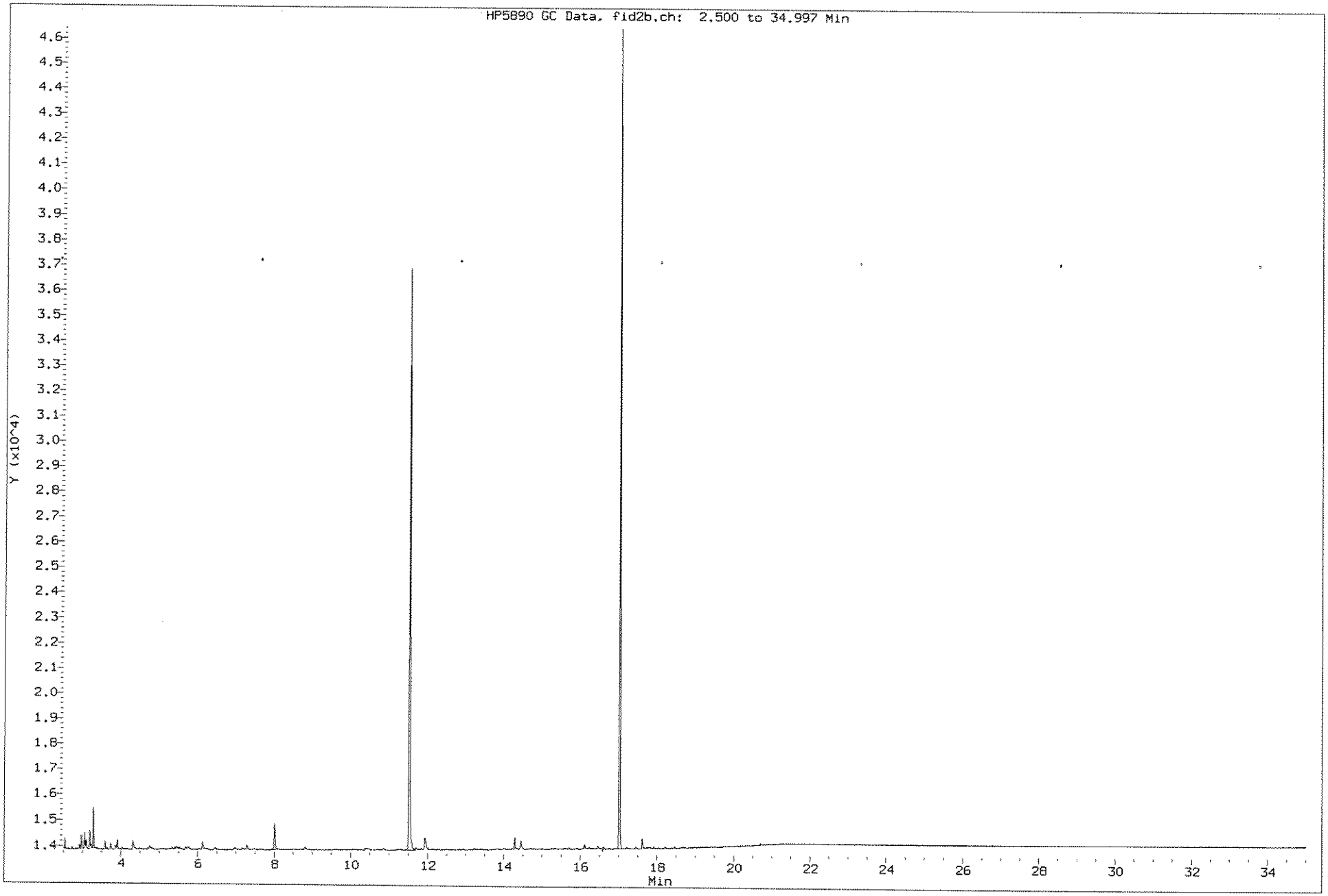
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	CONCENTRATIONS FINAL (mg/L)
$ 2 2-Fluorobiphenyl	11.520	11.520	0.000	41687	21.8539	21.85(RM)
$ 3 Ortho-Terphenyl	17.023	17.023	0.000	47039	23.1754	23.18(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

WL 12/21/10

Data File: \\ELABNSHO5\TARGET\chem\gcfid2.i\121710.b\016F1701.D
Injection Date: 18-DEC-2010 01:43
Instrument: gcfid2.i
Client Sample ID: JAX-MW-780-1-GW2010



601

CTO154OUR1_002

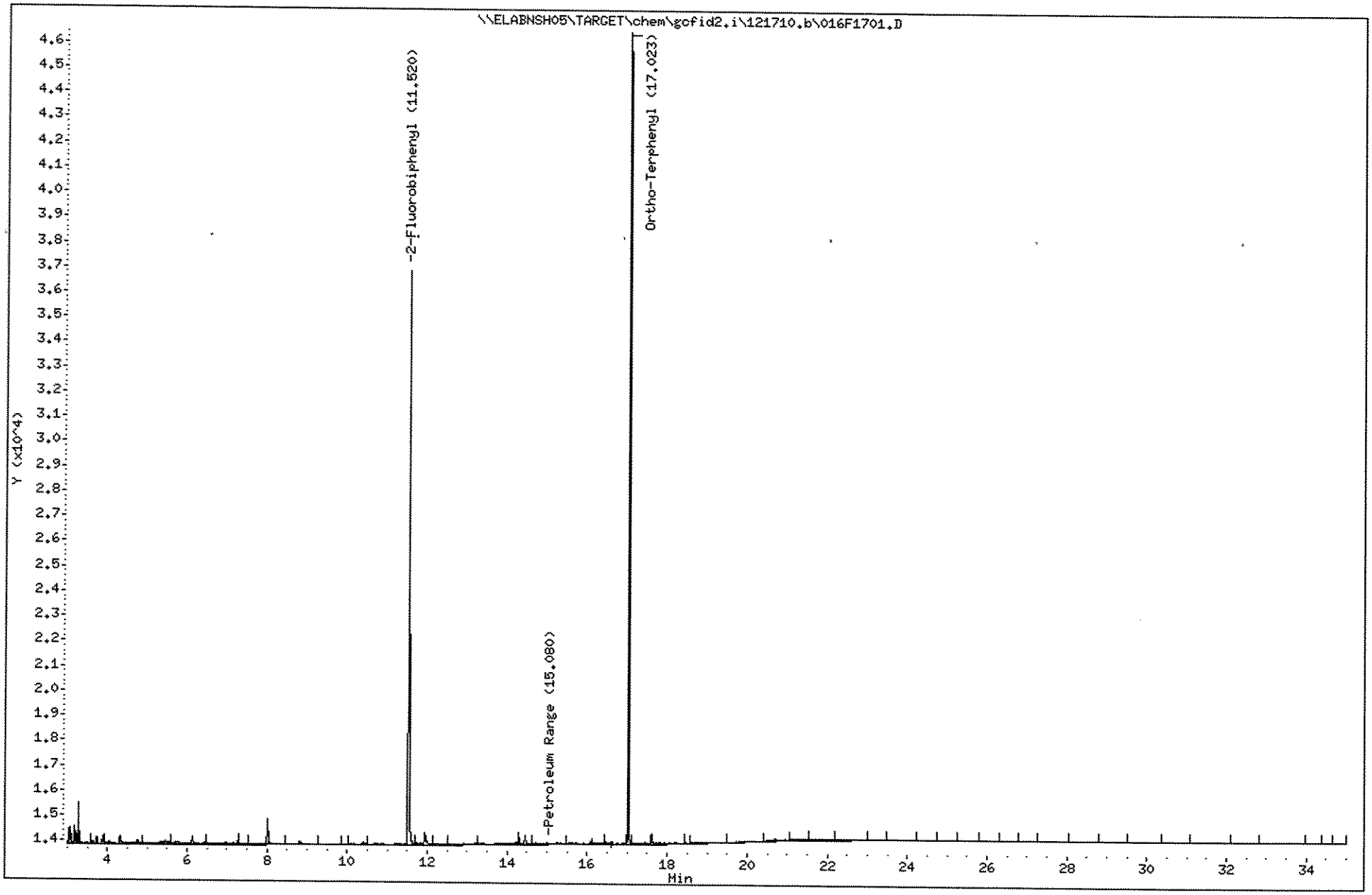
Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\016F1701.D
Date : 18-DEC-2010 01:43
Client ID: JAX-MW-780-1-GW2010
Sample Info: 1012125-01

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32

01.10.01 JBC



602

CTO154OUR1_002

Laboratory Name

12.21.10

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\017F1801.D
Lab Smp Id: 1012125-02 Client Smp ID: JAX-EW-780-2-GW2010
Inj Date : 18-DEC-2010 02:25
Operator : JLS Inst ID: gcfid2.i
Smp Info : 1012125-02
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 17:01 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

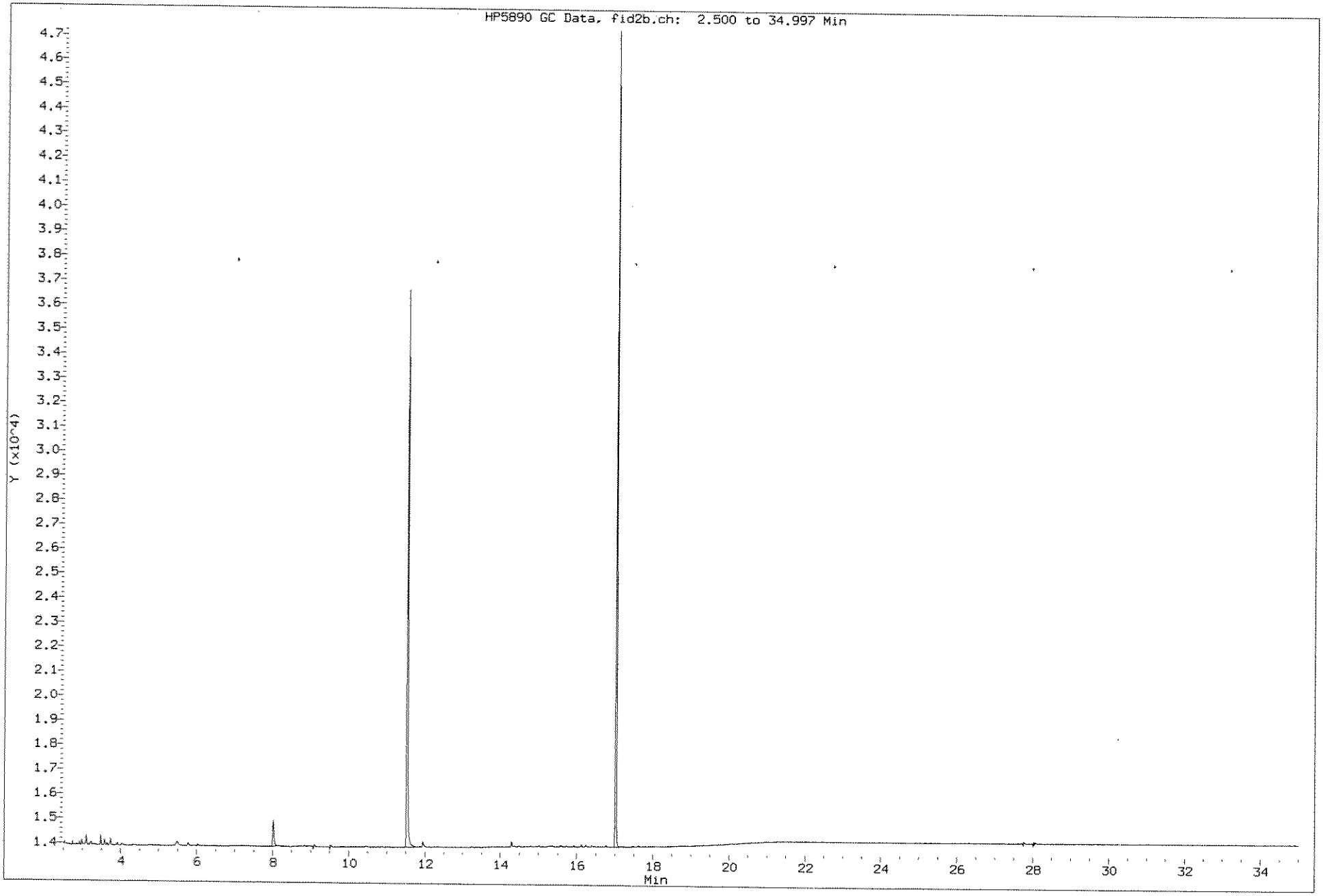
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (mg/L)	FINAL (mg/L)
$ 2 2-Fluorobiphenyl	11.523	11.520	0.003	42508	22.2843	22.28(RM)
$ 3 Ortho-Terphenyl	17.026	17.023	0.003	49603	24.4387	24.44(RM)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\017F1801.D
Injection Date: 18-DEC-2010 02:25
Instrument: gcfid2.i
Client Sample ID: JAX-EW-780-2-GW2010



604

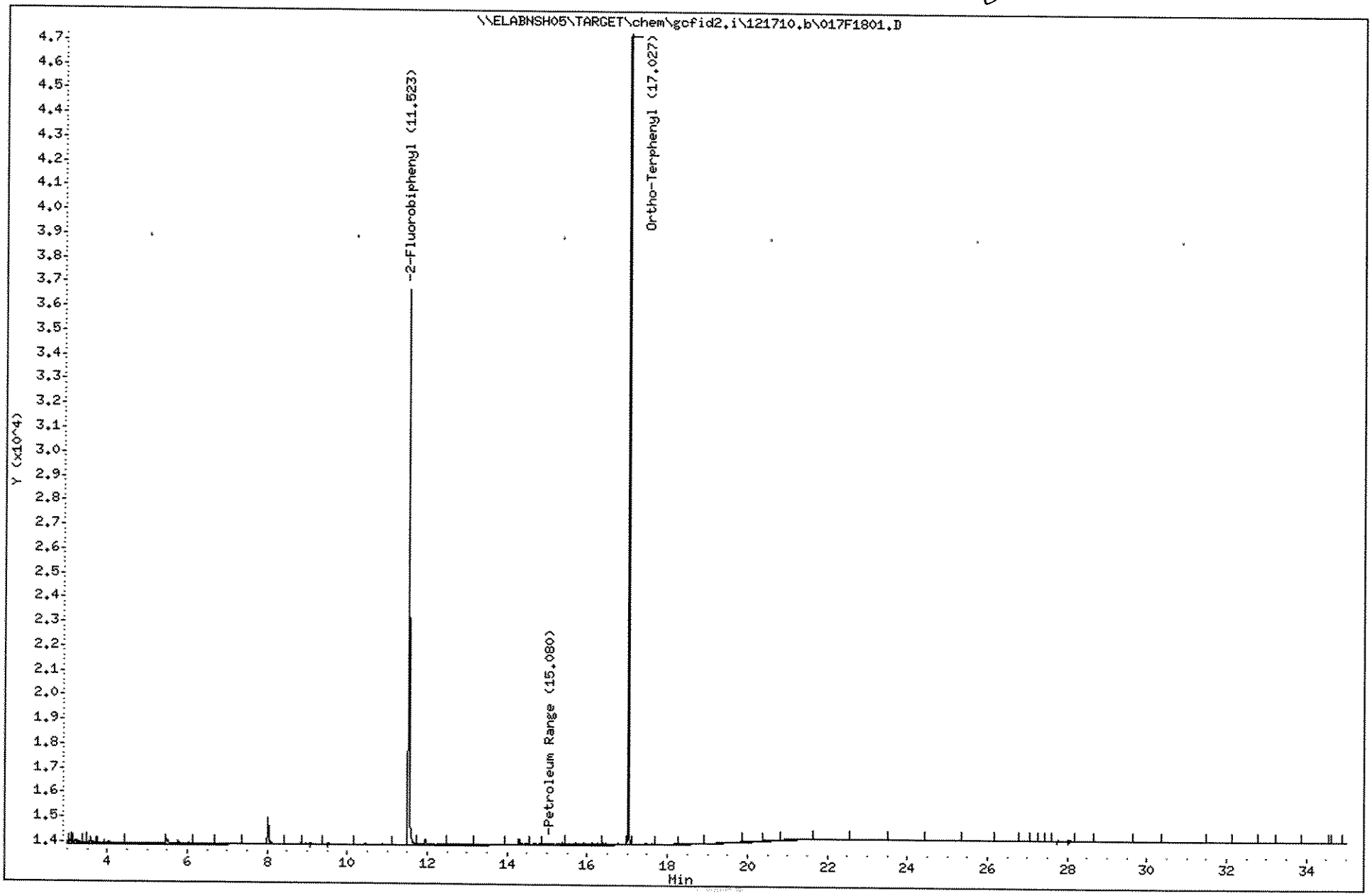
CTO154OUR1_002

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\017F1801.D
Date : 18-DEC-2010 02:25
Client ID: JAX-EW-780-2-GW2010
Sample Info: 1012125-02

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



Laboratory Name

CONTINUING CALIBRATION COMPOUNDS

12.21.10

Instrument ID: gcfid2.i
Lab File ID: 024F2501.D
Analysis Type:
Lab Sample ID: SEQ-CCV2
Method: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m

Injection Date: 18-DEC-2010 07:18
Init. Cal. Date(s): 16-MAR-2007 17-DEC-2010
Init. Cal. Times: 10:21 20:07
Quant Type: ESTD

COMPOUND	RRF	RF4250	MIN RRF	%D	MAX %D
S 1 Petroleum Range	1162	1130	0.010	-2.7	25.0
$ 2 2-Fluorobiphenyl	1908	1840	0.010	-3.6	25.0
$ 3 Ortho-Terphenyl	2030	1948	0.010	-4.0	25.0

12/21/10

JLS 12.21.10

Laboratory Name

Data file : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\024F2501.D
Lab Smp Id: SEQ-CCV2
Inj Date : 18-DEC-2010 07:18
Operator : JLS Inst ID: gcfid2.i
Smp Info : SEQ-CCV2
Misc Info :
Comment :
Method : \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\FLPROF.m
Meth Date : 20-Dec-2010 17:02 jsales Quant Type: ESTD
Cal Date : 23-DEC-2008 17:56 Cal File: 004R0201.D
Als bottle: 24 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PROSURR.sub
Target Version: 4.04
Processing Host: TARGET07_VM

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (mg/L)	AMOUNTS ON-COL (mg/L)
S 1 Petroleum Range	2.900-27.260			4804559	4250.00	4136
$ 2 2-Fluorobiphenyl	11.523	11.520	0.003	45989	25.0000	24.11
$ 3 Ortho-Terphenyl	17.026	17.023	0.003	48700	25.0000	23.99

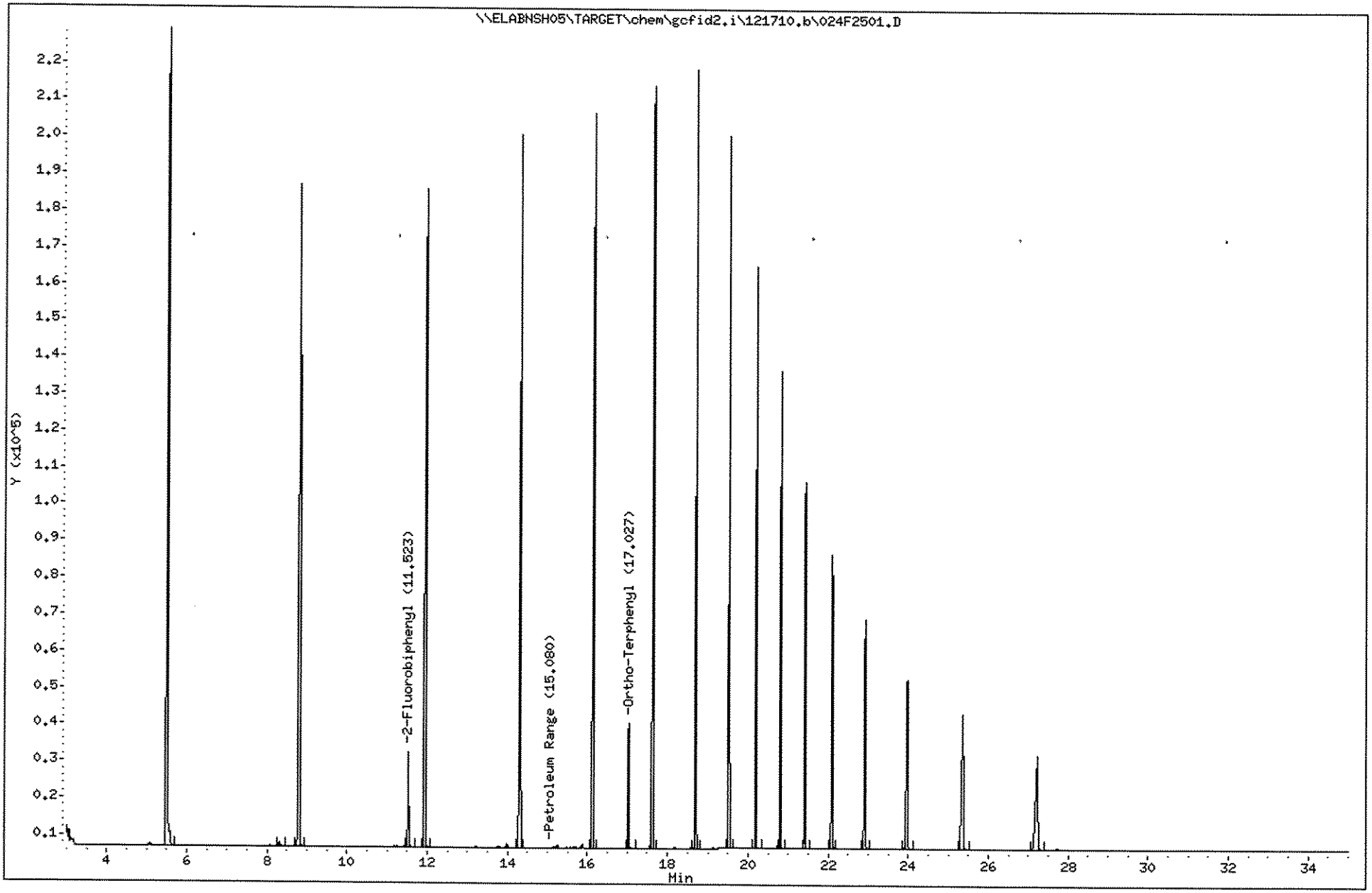
12/21/10

Data File: \\ELABNSH05\TARGET\chem\gcfid2.i\121710.b\024F2501.D
Date : 18-DEC-2010 07:18
Client ID:
Sample Info: SEQ-CCV2

Column phase: ZB-5ms

Instrument: gcfid2.i

Operator: JLS
Column diameter: 0.32



608

CTO154OURI_002

PREPARATION BENCH SHEET

0L13001

Empirical Laboratories, LLC

Printed: 12/23/2010 2:40:48PM

Matrix: Water **Prepared using: EXT - EXT_3510** **Surrogate used: 10L0417**

Lab Number	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
0L13001-BLK1	QC	12/14/2010 12:45	1000	2				1000	
0L13001-BS1	QC	12/14/2010 12:45	1000	2	10L0279		1000	1000	
0L13001-BSD1	QC	12/14/2010 12:45	1000	2	10L0279		1000	1000	
0L13001-MS1	QC	12/14/2010 12:45	1070	2	10L0279	1012122-01	1000	1000	
0L13001-MSD1	QC	12/14/2010 12:45	1070	2	10L0279	1012122-01	1000	1000	
1012110-05	SGC_FLPRO_3510C	12/14/2010 12:45	1080	2				1000	
1012110-06	SGC_FLPRO_3510C	12/14/2010 12:45	1070	2				1000	
1012110-07	SGC_FLPRO_3510C	12/14/2010 12:45	1070	2				1000	
1012110-08	SGC_FLPRO_3510C	12/14/2010 12:45	1080	2				1000	
1012110-10	SGC_FLPRO_3510C	12/14/2010 12:45	1080	2				1000	
1012118-01	SGC_FLPRO_3510C	12/14/2010 12:45	1070	2				1000	
1012118-02	SGC_FLPRO_3510C	12/14/2010 12:45	1080	2				1000	
1012118-03	SGC_FLPRO_3510C	12/14/2010 12:45	1080	2				1000	
1012118-04	SGC_FLPRO_3510C	12/14/2010 12:45	1070	2				1000	
1012118-05	SGC_FLPRO_3510C	12/14/2010 12:45	1000	2				1000	
1012118-06	SGC_FLPRO_3510C	12/14/2010 12:45	1060	2				1000	
1012118-07	SGC_FLPRO_3510C	12/14/2010 12:45	1060	2				1000	
1012118-08	SGC_FLPRO_3510C	12/14/2010 12:45	1060	2				1000	
1012118-09	SGC_FLPRO_3510C	12/14/2010 12:45	1070	2				1000	
1012118-10	SGC_FLPRO_3510C	12/14/2010 12:45	1070	2				1000	
1012122-01	SGC_FLPRO_3510C	12/14/2010 12:45	1070	2				1000	MS/MSD.
1012124-01	SGC_FLPRO_3510C	12/14/2010 12:45	1080	2				1000	
1012124-02	SGC_FLPRO_3510C	12/14/2010 12:45	1080	2				1000	

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

609

CTO154OURI_002

PREPARATION BENCH SHEET

0L13001

Empirical Laboratories, LLC

Printed: 12/23/2010 2:40:48PM

610

Matrix: Water **Prepared using: EXT - EXT_3510** **Surrogate used: 10L0417**

Lab Number	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1012124-04	SGC_FLPRO_3510C	12/14/2010 12:45	1080	2				1000	
1012125-03	SGC_FLPRO_3510C	12/14/2010 12:45	1080	2				1000	

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTO154OURI_002

PREPARATION BENCH SHEET

0L14021

Empirical Laboratories, LLC

Printed: 1/4/2011 11:48:44AM

611

Matrix: Water **Prepared using: EXT - EXT_3510** **Surrogate used: 10L0417**

Lab Number	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
0L14021-BLK1	QC	12/15/2010 12:30	1000	2				1000	
0L14021-BS1	QC	12/15/2010 12:30	1000	2	10L0279		1000	1000	
0L14021-BSD1	QC	12/15/2010 12:30	1000	2	10L0279		1000	1000	
1012124-03	SGC_FLPRO_3510C	12/15/2010 12:30	1080	2				1000	
1012124-05	SGC_FLPRO_3510C	12/15/2010 12:30	870	2				1000	
1012125-01	SGC_FLPRO_3510C	12/15/2010 12:30	1080	2				1000	
1012125-02	SGC_FLPRO_3510C	12/15/2010 12:30	1080	2				1000	
1012134-01	SGC_FLPRO_3510C	12/15/2010 12:30	1080	2				1000	
1012134-02	SGC_FLPRO_3510C	12/15/2010 12:30	1070	2				1000	
1012134-03	SGC_FLPRO_3510C	12/15/2010 12:30	1080	2				1000	
1012134-04	SGC_FLPRO_3510C	12/15/2010 12:30	1080	2				1000	
1012134-05	SGC_FLPRO_3510C	12/15/2010 12:30	1070	2				1000	
1012134-06	SGC_FLPRO_3510C	12/15/2010 12:30	1060	2				1000	surr: 10L0517 added to these samples
1012134-07	SGC_FLPRO_3510C	12/15/2010 12:30	1080	2				1000	surr: 10L0517 added to these samples
1012134-08	SGC_FLPRO_3510C	12/15/2010 12:30	1075	2				1000	surr: 10L0517 added to these samples
1012134-09	SGC_FLPRO_3510C	12/15/2010 12:30	1065	2				1000	surr: 10L0517 added to these samples
1012134-10	SGC_FLPRO_3510C	12/15/2010 12:30	1070	2				1000	surr: 10L0517 added to these samples

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTO154OURI_002

Data for SW6010C / SW7470A Forms

ANALYSIS DATA SHEET

JAX-MW-780-1-GW20101210

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Matrix:	Ground Water	Laboratory ID:	1012125-01
Sampled:	12/10/10 14:52	Received:	12/11/10 11:30
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-97-6	Mercury		0.0800	0.200	0.200	1	U	SW7470A	0L17016	12/20/10 13:31
7429-90-5	Aluminum	89.5	12.5	25.0	50.0	1		SW6010C	0L21004	12/22/10 12:02
7440-36-0	Antimony		1.25	2.00	2.50	1	U	SW6010C	0L21004	12/22/10 12:02
7440-38-2	Arsenic	3.91	0.750	1.50	2.50	1		SW6010C	0L21004	12/22/10 12:02
7440-39-3	Barium	69.6	1.25	2.50	10.0	1		SW6010C	0L21004	12/22/10 12:02
7440-41-7	Beryllium		0.250	0.500	1.25	1	U	SW6010C	0L21004	12/22/10 12:02
7440-43-9	Cadmium	0.479	0.250	0.500	1.25	1	I	SW6010C	0L21004	12/22/10 12:02
7440-70-2	Calcium	56500	250	500	1250	1		SW6010C	0L21004	12/22/10 12:02
7440-47-3	Chromium	0.913	0.500	1.00	2.50	1	I	SW6010C	0L21004	12/22/10 12:02
7440-48-4	Cobalt		1.25	2.50	3.12	1	U	SW6010C	0L21004	12/22/10 12:02
7440-50-8	Copper		1.00	2.00	2.50	1	U	SW6010C	0L21004	12/22/10 12:02
7439-89-6	Iron	2770	7.50	15.0	25.0	1		SW6010C	0L21004	12/22/10 12:02
7439-92-1	Lead		0.375	0.750	0.750	1	U	SW6010C	0L21004	12/22/10 12:02
7439-95-4	Magnesium	15200	250	750	1250	1		SW6010C	0L21004	12/22/10 12:02
7439-96-5	Manganese	42.7	0.750	1.50	3.75	1		SW6010C	0L21004	12/22/10 12:02
7439-98-7	Molybdenum	1.27	1.25	2.50	5.00	1	I	SW6010C	0L21004	12/22/10 12:02
7440-02-0	Nickel	10.1	0.750	1.50	2.50	1		SW6010C	0L21004	12/22/10 12:02
7440-09-7	Potassium	17900	250	750	1250	1		SW6010C	0L21004	12/22/10 12:02
7782-49-2	Selenium		0.750	1.25	2.50	1	U	SW6010C	0L21004	12/22/10 12:02
7440-22-4	Silver		0.250	0.500	2.50	1	U	SW6010C	0L21004	12/22/10 12:02
7440-23-5	Sodium	52100	250	750	1250	1		SW6010C	0L21004	12/22/10 12:02
7440-28-0	Thallium		0.750	1.00	2.00	1	U	SW6010C	0L21004	12/22/10 12:02
7440-62-2	Vanadium	3.25	1.25	2.50	3.12	1		SW6010C	0L21004	12/22/10 12:02
7440-66-6	Zinc		1.25	2.50	5.00	1	U	SW6010C	0L21004	12/22/10 12:02

ANALYSIS DATA SHEET

JAX-EW-780-2-GW20101210

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Matrix: Ground Water
Sampled: 12/10/10 15:22
% Solids: 0.00

SDG: CTO154OURI_002
Project: CTO154 OU3RI NAS Jacksonville_2010
Laboratory ID: 1012125-02
Received: 12/11/10 11:30

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-97-6	Mercury		0.0800	0.200	0.200	1	U	SW7470A	0L17016	12/20/10 13:33
7429-90-5	Aluminum	17.5	12.5	25.0	50.0	1	I	SW6010C	0L21004	12/22/10 12:07
7440-36-0	Antimony		1.25	2.00	2.50	1	U	SW6010C	0L21004	12/22/10 12:07
7440-38-2	Arsenic	6.37	0.750	1.50	2.50	1		SW6010C	0L21004	12/22/10 12:07
7440-39-3	Barium	38.7	1.25	2.50	10.0	1		SW6010C	0L21004	12/22/10 12:07
7440-41-7	Beryllium		0.250	0.500	1.25	1	U	SW6010C	0L21004	12/22/10 12:07
7440-43-9	Cadmium	0.411	0.250	0.500	1.25	1	I	SW6010C	0L21004	12/22/10 12:07
7440-70-2	Calcium	83200	250	500	1250	1		SW6010C	0L21004	12/22/10 12:07
7440-47-3	Chromium		0.500	1.00	2.50	1	U	SW6010C	0L21004	12/22/10 12:07
7440-48-4	Cobalt		1.25	2.50	3.12	1	U	SW6010C	0L21004	12/22/10 12:07
7440-50-8	Copper		1.00	2.00	2.50	1	U	SW6010C	0L21004	12/22/10 12:07
7439-89-6	Iron	3540	7.50	15.0	25.0	1		SW6010C	0L21004	12/22/10 12:07
7439-92-1	Lead		0.375	0.750	0.750	1	U	SW6010C	0L21004	12/22/10 12:07
7439-95-4	Magnesium	8320	250	750	1250	1		SW6010C	0L21004	12/22/10 12:07
7439-96-5	Manganese	107	0.750	1.50	3.75	1		SW6010C	0L21004	12/22/10 12:07
7439-98-7	Molybdenum	15.7	1.25	2.50	5.00	1		SW6010C	0L21004	12/22/10 12:07
7440-02-0	Nickel		0.750	1.50	2.50	1	U	SW6010C	0L21004	12/22/10 12:07
7440-09-7	Potassium	9460	250	750	1250	1		SW6010C	0L21004	12/22/10 12:07
7782-49-2	Selenium	1.08	0.750	1.25	2.50	1	I	SW6010C	0L21004	12/22/10 12:07
7440-22-4	Silver		0.250	0.500	2.50	1	U	SW6010C	0L21004	12/22/10 12:07
7440-23-5	Sodium	12200	250	750	1250	1		SW6010C	0L21004	12/22/10 12:07
7440-28-0	Thallium		0.750	1.00	2.00	1	U	SW6010C	0L21004	12/22/10 12:07
7440-62-2	Vanadium		1.25	2.50	3.12	1	U	SW6010C	0L21004	12/22/10 12:07
7440-66-6	Zinc		1.25	2.50	5.00	1	U	SW6010C	0L21004	12/22/10 12:07

ANALYSIS DATA SHEET

JAX-MW-780-DUP01-GW20101210

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Matrix: Ground Water
Sampled: 12/10/10 00:00
% Solids: 0.00

SDG: CTO154OURI_002
Project: CTO154 OU3RI NAS Jacksonville_2010
Laboratory ID: 1012125-03
Received: 12/11/10 11:30

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-97-6	Mercury		0.0800	0.200	0.200	1	U	SW7470A	0L17016	12/20/10 13:35
7429-90-5	Aluminum	90.9	12.5	25.0	50.0	1		SW6010C	0L21004	12/22/10 12:11
7440-36-0	Antimony		1.25	2.00	2.50	1	U	SW6010C	0L21004	12/22/10 12:11
7440-38-2	Arsenic	3.59	0.750	1.50	2.50	1		SW6010C	0L21004	12/22/10 12:11
7440-39-3	Barium	69.5	1.25	2.50	10.0	1		SW6010C	0L21004	12/22/10 12:11
7440-41-7	Beryllium		0.250	0.500	1.25	1	U	SW6010C	0L21004	12/22/10 12:11
7440-43-9	Cadmium	0.490	0.250	0.500	1.25	1	I	SW6010C	0L21004	12/22/10 12:11
7440-70-2	Calcium	56600	250	500	1250	1		SW6010C	0L21004	12/22/10 12:11
7440-47-3	Chromium	0.904	0.500	1.00	2.50	1	I	SW6010C	0L21004	12/22/10 12:11
7440-48-4	Cobalt		1.25	2.50	3.12	1	U	SW6010C	0L21004	12/22/10 12:11
7440-50-8	Copper		1.00	2.00	2.50	1	U	SW6010C	0L21004	12/22/10 12:11
7439-89-6	Iron	2920	7.50	15.0	25.0	1		SW6010C	0L21004	12/22/10 12:11
7439-92-1	Lead		0.375	0.750	0.750	1	U	SW6010C	0L21004	12/22/10 12:11
7439-95-4	Magnesium	15200	250	750	1250	1		SW6010C	0L21004	12/22/10 12:11
7439-96-5	Manganese	42.8	0.750	1.50	3.75	1		SW6010C	0L21004	12/22/10 12:11
7439-98-7	Molybdenum	1.35	1.25	2.50	5.00	1	I	SW6010C	0L21004	12/22/10 12:11
7440-02-0	Nickel	9.85	0.750	1.50	2.50	1		SW6010C	0L21004	12/22/10 12:11
7440-09-7	Potassium	17800	250	750	1250	1		SW6010C	0L21004	12/22/10 12:11
7782-49-2	Selenium		0.750	1.25	2.50	1	U	SW6010C	0L21004	12/22/10 12:11
7440-22-4	Silver		0.250	0.500	2.50	1	U	SW6010C	0L21004	12/22/10 12:11
7440-23-5	Sodium	51400	250	750	1250	1		SW6010C	0L21004	12/22/10 12:11
7440-28-0	Thallium		0.750	1.00	2.00	1	U	SW6010C	0L21004	12/22/10 12:11
7440-62-2	Vanadium	3.18	1.25	2.50	3.12	1		SW6010C	0L21004	12/22/10 12:11
7440-66-6	Zinc		1.25	2.50	5.00	1	U	SW6010C	0L21004	12/22/10 12:11

INITIAL AND CONTINUING CALIBRATION CHECK

SW7470A

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Instrument ID: ME-FIMS

SDG: CTO154OURI_002
Project: CTO154 OU3RI NAS Jacksonville_2010
Calibration: 0355003
Sequence: 0L35509

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
0L35509-ICV1	Mercury	4.000	4.282	107	ug/L	+/- 15.00%
0L35509-CCV1	Mercury	4.000	4.055	101	ug/L	+/- 15.00%
0L35509-CCV2	Mercury	4.000	4.103	103	ug/L	+/- 15.00%
0L35509-CCV3	Mercury	2.000	1.960	98.0	ug/L	+/- 15.00%
0L35509-CCV4	Mercury	2.000	2.002	100	ug/L	+/- 15.00%
0L35509-CCV5	Mercury	4.000	4.277	107	ug/L	+/- 15.00%
0L35509-CCV6	Mercury	4.000	4.381	110	ug/L	+/- 15.00%
0L35509-CCV7	Mercury	2.000	2.101	105	ug/L	+/- 15.00%
0L35509-CCV8	Mercury	2.000	2.136	107	ug/L	+/- 15.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010C

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Instrument ID: ME-ICP

SDG: CTO154OURI_002
Project: CTO154 OU3RI NAS Jacksonville_2010
Calibration: 0357001
Sequence: 0L35706

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
0L35706-ICV1	Aluminum	10000	9707	97.1	ug/L	+/- 10.00%
	Antimony	1000	1020	102	ug/L	+/- 10.00%
	Arsenic	1000	1033	103	ug/L	+/- 10.00%
	Barium	1000	1034	103	ug/L	+/- 10.00%
	Beryllium	1000	1062	106	ug/L	+/- 10.00%
	Cadmium	1000	1083	108	ug/L	+/- 10.00%
	Calcium	50000	51160	102	ug/L	+/- 10.00%
	Chromium	1000	951.4	95.1	ug/L	+/- 10.00%
	Cobalt	1000	1008	101	ug/L	+/- 10.00%
	Copper	1000	1018	102	ug/L	+/- 10.00%
	Iron	10000	10260	103	ug/L	+/- 10.00%
	Lead	1000	1009	101	ug/L	+/- 10.00%
	Magnesium	50000	50550	101	ug/L	+/- 10.00%
	Manganese	1000	1042	104	ug/L	+/- 10.00%
	Molybdenum	1000	1043	104	ug/L	+/- 10.00%
	Nickel	1000	1007	101	ug/L	+/- 10.00%
	Potassium	10000	9271	92.7	ug/L	+/- 10.00%
	Selenium	1000	1033	103	ug/L	+/- 10.00%
	Silver	500.0	503.4	101	ug/L	+/- 10.00%
	Sodium	50000	49860	99.7	ug/L	+/- 10.00%
	Thallium	1000	979.0	97.9	ug/L	+/- 10.00%
	Vanadium	1000	1043	104	ug/L	+/- 10.00%
	Zinc	1000	1028	103	ug/L	+/- 10.00%
0L35706-CCV1	Aluminum	10000	9644	96.4	ug/L	+/- 10.00%
	Antimony	1000	1001	100	ug/L	+/- 10.00%
	Arsenic	1000	1016	102	ug/L	+/- 10.00%
	Barium	1000	1016	102	ug/L	+/- 10.00%
	Beryllium	1000	1074	107	ug/L	+/- 10.00%
	Cadmium	1000	1059	106	ug/L	+/- 10.00%
	Calcium	50000	51540	103	ug/L	+/- 10.00%
	Chromium	1000	988.7	98.9	ug/L	+/- 10.00%
	Cobalt	1000	986.4	98.6	ug/L	+/- 10.00%
	Copper	1000	1010	101	ug/L	+/- 10.00%
	Iron	10000	10260	103	ug/L	+/- 10.00%
	Lead	1000	994.0	99.4	ug/L	+/- 10.00%
	Magnesium	50000	50440	101	ug/L	+/- 10.00%
	Manganese	1000	1024	102	ug/L	+/- 10.00%
	Molybdenum	1000	1013	101	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010C

Laboratory: Empirical Laboratories, LLC
Client: Tetra Tech NUS, Inc. (T010)
Instrument ID: ME-ICP

SDG: CTO154OURI_002
Project: CTO154 OU3RI NAS Jacksonville_2010
Calibration: 0357001
Sequence: 0L35706

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
0L35706-CCV1	Nickel	1000	994.5	99.4	ug/L	+/- 10.00%
	Potassium	10000	9784	97.8	ug/L	+/- 10.00%
	Selenium	1000	1016	102	ug/L	+/- 10.00%
	Silver	500.0	501.1	100	ug/L	+/- 10.00%
	Sodium	50000	49550	99.1	ug/L	+/- 10.00%
	Thallium	1000	1000	100	ug/L	+/- 10.00%
	Vanadium	1000	1019	102	ug/L	+/- 10.00%
	Zinc	1000	1021	102	ug/L	+/- 10.00%
0L35706-CCV2	Aluminum	10000	9631	96.3	ug/L	+/- 10.00%
	Antimony	1000	983.7	98.4	ug/L	+/- 10.00%
	Arsenic	1000	1009	101	ug/L	+/- 10.00%
	Barium	1000	1002	100	ug/L	+/- 10.00%
	Beryllium	1000	1061	106	ug/L	+/- 10.00%
	Cadmium	1000	1046	105	ug/L	+/- 10.00%
	Calcium	50000	50930	102	ug/L	+/- 10.00%
	Chromium	1000	978.7	97.9	ug/L	+/- 10.00%
	Cobalt	1000	968.2	96.8	ug/L	+/- 10.00%
	Copper	1000	1004	100	ug/L	+/- 10.00%
	Iron	10000	10120	101	ug/L	+/- 10.00%
	Lead	1000	981.1	98.1	ug/L	+/- 10.00%
	Magnesium	50000	49970	99.9	ug/L	+/- 10.00%
	Manganese	1000	1028	103	ug/L	+/- 10.00%
	Molybdenum	1000	1002	100	ug/L	+/- 10.00%
	Nickel	1000	984.7	98.5	ug/L	+/- 10.00%
	Potassium	10000	9815	98.1	ug/L	+/- 10.00%
	Selenium	1000	1008	101	ug/L	+/- 10.00%
	Silver	500.0	499.1	99.8	ug/L	+/- 10.00%
	Sodium	50000	49460	98.9	ug/L	+/- 10.00%
	Thallium	1000	993.2	99.3	ug/L	+/- 10.00%
	Vanadium	1000	1026	103	ug/L	+/- 10.00%
	Zinc	1000	1007	101	ug/L	+/- 10.00%

CRDL STANDARD

SW7470A

Laboratory: Empirical Laboratories, LLC

SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010)

Project: CTO154 OU3RI NAS Jacksonville_2010

Instrument ID: ME-FIMS

Calibration: 0355003

Sequence: 0L35509

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0L35509-CRL1	Mercury	0.2000	0.2314	116	ug/L	70 - 130
0L35509-CRL2	Mercury	0.2000	0.2337	117	ug/L	70 - 130

CRDL STANDARD

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Project: CTO154 OU3RI NAS Jacksonville_2010
Instrument ID: ME-ICP
Calibration: 0357001
Sequence: 0L35706

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
0L35706-CRL1	Aluminum	100.0	106.0	106	ug/L	80 - 120
	Antimony	8.000	7.826	97.8	ug/L	80 - 120
	Barium	10.00	10.18	102	ug/L	80 - 120
	Beryllium	2.000	2.096	105	ug/L	80 - 120
	Cadmium	2.000	2.357	118	ug/L	80 - 120
	Calcium	2000	2000	100	ug/L	80 - 120
	Chromium	4.000	3.656	91.4	ug/L	80 - 120
	Cobalt	10.00	9.454	94.5	ug/L	80 - 120
	Copper	8.000	8.263	103	ug/L	80 - 120
	Iron	60.00	63.03	105	ug/L	80 - 120
	Magnesium	3000	2951	98.4	ug/L	80 - 120
	Manganese	6.000	6.439	107	ug/L	80 - 120
	Molybdenum	10.00	9.932	99.3	ug/L	80 - 120
	Nickel	6.000	5.565	92.7	ug/L	80 - 120
	Potassium	3000	2914	97.1	ug/L	80 - 120
	Silver	2.000	2.007	100	ug/L	80 - 120
	Sodium	3000	2987	99.6	ug/L	80 - 120
	Thallium	4.000	3.775	94.4	ug/L	80 - 120
	Vanadium	10.00	10.28	103	ug/L	80 - 120
	Zinc	10.00	9.910	99.1	ug/L	80 - 120
0L35706-CRL4	Arsenic	5.000	5.001	100	ug/L	80 - 120
	Lead	3.000	2.705	90.2	ug/L	80 - 120
	Selenium	5.000	5.546	111	ug/L	80 - 120

BLANKS
SW7470A

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Instrument ID: ME-FIMS
Project: CTO154 OU3RI NAS Jacksonville_2010
Sequence: 0L35509
Calibration: 0355003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
0L35509-ICB1	Mercury	0.04751	0.0800	0.200	ug/L	U	SW7470A
0L35509-CCB1	Mercury	0.0513	0.0800	0.200	ug/L	U	SW7470A
0L35509-CCB2	Mercury	0.0542	0.0800	0.200	ug/L	U	SW7470A
0L17016-BLK1	Mercury	0.0507	0.0800	0.200	ug/L	U	SW7470A
0L35509-CCB3	Mercury	0.0592	0.0800	0.200	ug/L	U	SW7470A
0L35509-CCB4	Mercury	0.0612	0.0800	0.200	ug/L	U	SW7470A
0L35509-CCB5	Mercury	0.0558	0.0800	0.200	ug/L	U	SW7470A
0L35509-CCB6	Mercury	0.0631	0.0800	0.200	ug/L	U	SW7470A
0L35509-CCB7	Mercury	0.0603	0.0800	0.200	ug/L	U	SW7470A
0L35509-CCB8	Mercury	0.0632	0.0800	0.200	ug/L	U	SW7470A

BLANKS
SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Instrument ID: ME-ICP
Project: CTO154 OU3RI NAS Jacksonville_2010
Sequence: 0L35706
Calibration: 0357001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
0L35706-ICB1	Aluminum	1.529	50.0	200	ug/L	U	SW6010C
	Antimony	0.3308	5.00	15.0	ug/L	U	SW6010C
	Arsenic	-0.2419	3.00	6.00	ug/L	U	SW6010C
	Barium	0.03740	5.00	40.0	ug/L	U	SW6010C
	Beryllium	0.007410	1.00	5.00	ug/L	U	SW6010C
	Cadmium	0.3158	1.00	5.00	ug/L	U	SW6010C
	Calcium	2.620	1000	5000	ug/L	U	SW6010C
	Chromium	-0.1628	2.00	5.00	ug/L	U	SW6010C
	Cobalt	0.006820	5.00	12.5	ug/L	U	SW6010C
	Copper	0.4001	5.00	10.0	ug/L	U	SW6010C
	Iron	-0.6474	30.0	100	ug/L	U	SW6010C
	Lead	0.1092	1.50	3.00	ug/L	U	SW6010C
	Magnesium	-3.290	1000	5000	ug/L	U	SW6010C
	Manganese	0.03908	3.00	15.0	ug/L	U	SW6010C
	Molybdenum	0.9240	5.00	15.0	ug/L	U	SW6010C
	Nickel	-0.4139	3.00	10.0	ug/L	U	SW6010C
	Potassium	3.270	1000	5000	ug/L	U	SW6010C
	Selenium	1.623	3.00	6.00	ug/L	U	SW6010C
	Silver	-0.08552	1.00	5.00	ug/L	U	SW6010C
	Sodium	11.87	1000	5000	ug/L	U	SW6010C
	Thallium	0.8389	3.00	8.00	ug/L	U	SW6010C
	Vanadium	0.1208	5.00	12.5	ug/L	U	SW6010C
	Zinc	0.2360	5.00	20.0	ug/L	U	SW6010C
0L35706-CCB1	Aluminum	1.72	50.0	200	ug/L	U	SW6010C
	Antimony	0.411	5.00	15.0	ug/L	U	SW6010C
	Arsenic	0.567	3.00	6.00	ug/L	U	SW6010C
	Barium	0.00192	5.00	40.0	ug/L	U	SW6010C
	Beryllium	0.189	1.00	5.00	ug/L	U	SW6010C
	Cadmium	0.336	1.00	5.00	ug/L	U	SW6010C
	Calcium	11.2	1000	5000	ug/L	U	SW6010C
	Chromium	-0.0968	2.00	5.00	ug/L	U	SW6010C
	Cobalt	0.180	5.00	12.5	ug/L	U	SW6010C
	Copper	0.544	5.00	10.0	ug/L	U	SW6010C

BLANKS
SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Instrument ID: ME-ICP
Project: CTO154 OU3RI NAS Jacksonville_2010
Sequence: 0L35706
Calibration: 0357001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
0L35706-CCB1	Iron	0.180	30.0	100	ug/L	U	SW6010C
	Lead	0.519	1.50	3.00	ug/L	U	SW6010C
	Magnesium	2.33	1000	5000	ug/L	U	SW6010C
	Manganese	0.153	3.00	15.0	ug/L	U	SW6010C
	Molybdenum	0.740	5.00	15.0	ug/L	U	SW6010C
	Nickel	-0.325	3.00	10.0	ug/L	U	SW6010C
	Potassium	9.07	1000	5000	ug/L	U	SW6010C
	Selenium	2.36	3.00	6.00	ug/L	U	SW6010C
	Silver	-0.0942	1.00	5.00	ug/L	U	SW6010C
	Sodium	25.0	1000	5000	ug/L	U	SW6010C
	Thallium	-0.498	3.00	8.00	ug/L	U	SW6010C
	Vanadium	0.213	5.00	12.5	ug/L	U	SW6010C
	Zinc	0.166	5.00	20.0	ug/L	U	SW6010C
0L21004-BLK1	Aluminum	1.23	12.5	50.0	ug/L	U	SW6010C
	Antimony	0.00812	1.25	3.75	ug/L	U	SW6010C
	Arsenic	0.0148	0.750	1.50	ug/L	U	SW6010C
	Barium	-0.00659	1.25	10.0	ug/L	U	SW6010C
	Beryllium	0.0352	0.250	1.25	ug/L	U	SW6010C
	Cadmium	0.0594	0.250	1.25	ug/L	U	SW6010C
	Calcium	4.74	250	1250	ug/L	U	SW6010C
	Chromium	-0.0599	0.500	1.25	ug/L	U	SW6010C
	Cobalt	0.00708	1.25	3.12	ug/L	U	SW6010C
	Copper	0.157	1.25	2.50	ug/L	U	SW6010C
	Iron	0.0906	7.50	25.0	ug/L	U	SW6010C
	Lead	0.0347	0.375	0.750	ug/L	U	SW6010C
	Magnesium	1.07	250	1250	ug/L	U	SW6010C
	Manganese	0.0181	0.750	3.75	ug/L	U	SW6010C
	Molybdenum	0.0480	1.25	3.75	ug/L	U	SW6010C
	Nickel	-0.0810	0.750	2.50	ug/L	U	SW6010C
	Potassium	2.40	250	1250	ug/L	U	SW6010C
	Selenium	0.280	0.750	1.50	ug/L	U	SW6010C
	Silver	-0.00804	0.250	1.25	ug/L	U	SW6010C
	Sodium	5.56	250	1250	ug/L	U	SW6010C

BLANKS
SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Instrument ID: ME-ICP
Project: CTO154 OU3RI NAS Jacksonville_2010
Sequence: 0L35706
Calibration: 0357001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
0L21004-BLK1	Thallium	0.0558	0.750	2.00	ug/L	U	SW6010C
	Vanadium	0.0264	1.25	3.12	ug/L	U	SW6010C
	Zinc	0.122	1.25	5.00	ug/L	U	SW6010C
0L35706-CCB2	Aluminum	0.476	50.0	200	ug/L	U	SW6010C
	Antimony	0.335	5.00	15.0	ug/L	U	SW6010C
	Arsenic	0.210	3.00	6.00	ug/L	U	SW6010C
	Barium	-0.0261	5.00	40.0	ug/L	U	SW6010C
	Beryllium	-0.0000400	1.00	5.00	ug/L	U	SW6010C
	Cadmium	0.319	1.00	5.00	ug/L	U	SW6010C
	Calcium	0.290	1000	5000	ug/L	U	SW6010C
	Chromium	-0.179	2.00	5.00	ug/L	U	SW6010C
	Cobalt	0.0659	5.00	12.5	ug/L	U	SW6010C
	Copper	0.557	5.00	10.0	ug/L	U	SW6010C
	Iron	-2.53	30.0	100	ug/L	U	SW6010C
	Lead	0.245	1.50	3.00	ug/L	U	SW6010C
	Magnesium	-4.08	1000	5000	ug/L	U	SW6010C
	Manganese	-0.0449	3.00	15.0	ug/L	U	SW6010C
	Molybdenum	0.789	5.00	15.0	ug/L	U	SW6010C
	Nickel	-0.761	3.00	10.0	ug/L	U	SW6010C
	Potassium	5.34	1000	5000	ug/L	U	SW6010C
	Selenium	2.07	3.00	6.00	ug/L	U	SW6010C
	Silver	-0.153	1.00	5.00	ug/L	U	SW6010C
	Sodium	9.63	1000	5000	ug/L	U	SW6010C
	Thallium	-0.155	3.00	8.00	ug/L	U	SW6010C
	Vanadium	0.108	5.00	12.5	ug/L	U	SW6010C
	Zinc	0.0441	5.00	20.0	ug/L	U	SW6010C

ICP INTERFERENCE CHECK SAMPLE

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Project: CTO154 OU3RI NAS Jacksonville_2010
Instrument ID: ME-ICP
Calibration: 0357001
Sequence: 0L35706

Lab Sample ID	Analyte	True	Found	%R	Units
0L35706-IFA1	Aluminum	500000	522,520.00	105	ug/L
	Antimony		-3.21		ug/L
	Arsenic		-3.45		ug/L
	Barium		1.53		ug/L
	Beryllium		0.05		ug/L
	Cadmium		-0.11		ug/L
	Calcium	500000	499,500.00	99.9	ug/L
	Chromium		-1.52		ug/L
	Cobalt		0.73		ug/L
	Copper		-3.46		ug/L
	Iron	200000	200,410.00	100	ug/L
	Lead		8.12		ug/L
	Magnesium	500000	510,310.00	102	ug/L
	Manganese		3.58		ug/L
	Molybdenum		-0.13		ug/L
	Nickel		-3.75		ug/L
	Potassium		-47.14		ug/L
	Selenium		3.61		ug/L
	Silver		-0.46		ug/L
	Sodium		38.67		ug/L
	Thallium		0.69		ug/L
	Vanadium		0.88		ug/L
	Zinc		7.08		ug/L
0L35706-IFB1	Aluminum	500000	488,510.00	97.7	ug/L
	Antimony	600.0	642.03	107	ug/L
	Arsenic	100.0	109.10	109	ug/L
	Barium	500.0	517.48	103	ug/L
	Beryllium	500.0	463.35	92.7	ug/L
	Cadmium	1000	1,175.90	118	ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010C

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Project: CTO154 OU3RI NAS Jacksonville_2010
Instrument ID: ME-ICP
Calibration: 0357001
Sequence: 0L35706

Lab Sample ID	Analyte	True	Found	%R	Units
0L35706-IFB1	Calcium	500000	458,910.00	91.8	ug/L
	Chromium	500.0	427.66	85.5	ug/L
	Cobalt	500.0	451.10	90.2	ug/L
	Copper	500.0	497.01	99.4	ug/L
	Iron	200000	188,700.00	94.4	ug/L
	Lead	50.00	52.43	105	ug/L
	Magnesium	500000	469,330.00	93.9	ug/L
	Manganese	500.0	435.35	87.1	ug/L
	Molybdenum		0.83		ug/L
	Nickel	1000	891.04	89.1	ug/L
	Potassium		10.26		ug/L
	Selenium	50.00	51.75	103	ug/L
	Silver	200.0	208.62	104	ug/L
	Sodium		67.59		ug/L
	Thallium	100.0	84.44	84.4	ug/L
	Vanadium	500.0	434.84	87.0	ug/L
	Zinc	1000	945.52	94.6	ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW7470A

JAX-MW-780-DUP01-GW20101210

Laboratory: Empirical Laboratories, LLC

SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010)

Project: CTO154 OU3RI NAS Jacksonville_2010

Matrix: Water

Batch: 0L17016

% Solids:

Source Sample Name: **1012125-03**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Mercury	2.000	ND	1.954	97.7		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Mercury	2.000	2.077	104	6.10		20	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW7470A

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Matrix:	Water		
Batch:	0L17016	Laboratory ID:	0L17016-BS1
Preparation:	pMercury-W SW 7470A	Initial/Final:	30 mL / 30 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Mercury	2.000	1.615	80.7	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Matrix:	Water		
Batch:	0L21004	Laboratory ID:	0L21004-BS1
Preparation:	MET_3005A_LOW	Initial/Final:	100 mL / 25 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Aluminum	40.00	41.82	105	80 - 120
Antimony	5.000	4.546	90.9	80 - 120
Arsenic	5.000	4.582	91.6	80 - 120
Barium	40.00	38.31	95.8	80 - 120
Beryllium	1.000	1.054	105	80 - 120
Cadmium	2.500	2.517	101	80 - 120
Calcium	600.0	605.1	101	80 - 120
Chromium	4.000	4.088	102	80 - 120
Cobalt	10.00	9.219	92.2	80 - 120
Copper	5.000	5.140	103	80 - 120
Iron	20.00	21.68	108	80 - 120
Lead	5.000	4.981	99.6	80 - 120
Magnesium	600.0	600.8	100	80 - 120
Manganese	10.00	11.05	111	80 - 120
Molybdenum	20.00	18.52	92.6	80 - 120
Nickel	10.00	9.474	94.7	80 - 120
Potassium	600.0	610.0	102	80 - 120
Selenium	5.000	5.000	100	80 - 120
Silver	5.000	5.131	103	80 - 120
Sodium	600.0	614.5	102	80 - 120
Thallium	5.000	4.940	98.8	80 - 120
Vanadium	10.00	10.05	101	80 - 120
Zinc	10.00	9.678	96.8	80 - 120

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: CTO154OURI_002
Client: Tetra Tech NUS, Inc. (T010)
Project: CTO154 OU3RI NAS Jacksonville_2010
Matrix: Water
Instrument: ME-FIMS

Analyte	MDL	MRL	Units	Method
Mercury	0.0800	0.200	ug/L	SW7470A

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) **Project:** CTO154 OU3RI NAS Jacksonville_2010

Matrix: Water **Instrument:** ME-ICP

Analyte	MDL	MRL	Units	Method
Aluminum	12.5	50.0	ug/L	SW6010C
Antimony	1.25	3.75	ug/L	SW6010C
Arsenic	0.750	1.50	ug/L	SW6010C
Barium	1.25	10.0	ug/L	SW6010C
Beryllium	0.250	1.25	ug/L	SW6010C
Cadmium	0.250	1.25	ug/L	SW6010C
Calcium	250	1250	ug/L	SW6010C
Chromium	0.500	1.25	ug/L	SW6010C
Cobalt	1.25	3.12	ug/L	SW6010C
Copper	1.25	2.50	ug/L	SW6010C
Iron	7.50	25.0	ug/L	SW6010C
Lead	0.375	0.750	ug/L	SW6010C
Magnesium	250	1250	ug/L	SW6010C
Manganese	0.750	3.75	ug/L	SW6010C
Molybdenum	1.25	3.75	ug/L	SW6010C
Nickel	0.750	2.50	ug/L	SW6010C
Potassium	250	1250	ug/L	SW6010C
Selenium	0.750	1.50	ug/L	SW6010C
Silver	0.250	1.25	ug/L	SW6010C
Sodium	250	1250	ug/L	SW6010C
Thallium	0.750	2.00	ug/L	SW6010C
Vanadium	1.25	3.12	ug/L	SW6010C
Zinc	1.25	5.00	ug/L	SW6010C

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Tetra Tech NUS, Inc. (T010)

SDG No.: CTO154OURI_002

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Aluminum	396.1	0.0000000	0.0000000	-0.0000600	0.0000000	0.0000000
Antimony	206.8	0.0000000	0.0000000	0.0000300	0.0000000	0.0000000
Arsenic	189.0	0.0000120	0.0000000	0.0000020	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000090	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.8	0.0000000	0.0000000	-0.0000050	0.0021850	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000040	0.0056080	0.0000000
Cobalt	228.6	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Copper	224.7	0.0000000	0.0000000	0.0002930	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	-0.0000040	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000200	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	0.0000020	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0000080	0.0000000	0.0000000
Vanadium	292.4	0.0000000	0.0000000	-0.0000160	0.0000000	0.0000000
Zinc	206.2	0.0000000	0.0000000	0.0000000	0.0013660	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Tetra Tech NUS, Inc. (T010)

SDG No.: CTO154OURI_002

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Aluminum	396.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.8	0.0045780	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Tetra Tech NUS, Inc. (T010)

SDG No.: CTO154OURI_002

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Co	Cr	Cu	K	Mn
Aluminum	396.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.8	0.0000000	0.0060190	0.0000000	0.0000000	0.0000000
Arsenic	189.0	0.0000000	-0.0126310	0.0000000	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.8	-0.0025320	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0002500
Cobalt	228.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0009430
Silver	328.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000650
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0040870	0.0002110	0.0000000	0.0000000	0.0014070
Vanadium	292.4	0.0000000	-0.0023860	0.0000000	0.0000000	-0.0003500
Zinc	206.2	0.0000000	-0.0003020	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Tetra Tech NUS, Inc. (T010)

SDG No.: CTO154OURI_002

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Mo	Na	Ni	Pb	Sb
Aluminum	396.1	0.0317300	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.8	-0.0012790	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.0	-0.0001200	0.0000000	0.0000000	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.0	-0.0000250	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.8	0.0000000	0.0000000	-0.0000880	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.6	-0.0012520	0.0000000	0.0001940	0.0000000	0.0000000
Copper	224.7	0.0018210	0.0000000	-0.0088250	0.0030200	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	-0.0000220	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000830	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.0	-0.0000590	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.4	-0.0001060	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.2	0.0001730	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Tetra Tech NUS, Inc. (T010)

SDG No.: CTO154OURI_002

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Se	Sn	Ti	Tl	V
Aluminum	396.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.8	0.0000000	0.0000000	0.0004790	0.0000000	-0.0017000
Arsenic	189.0	0.0000000	0.0000000	0.0000750	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000	0.0000000	-0.0017020
Beryllium	313.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0001050
Cadmium	228.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000560
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000700
Cobalt	228.6	0.0000000	0.0000000	0.0021640	0.0000000	0.0000000
Copper	224.7	0.0000000	0.0000000	0.0002300	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	-0.0001550
Nickel	231.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000220	0.0000000	0.0000540
Silver	328.0	0.0000000	0.0000000	0.0000000	0.0000000	-0.0064060
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	-0.0012830	0.0000000	0.0004040
Vanadium	292.4	0.0000000	0.0000000	0.0006540	0.0000000	0.0000000
Zinc	206.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Tetra Tech NUS, Inc. (T010)

SDG No.: CTO154OURI_002

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Aluminum	396.1	0.0000000				
Antimony	206.8	0.0000000				
Arsenic	189.0	0.0000000				
Barium	233.5	0.0000000				
Beryllium	313.0	0.0000000				
Cadmium	228.8	0.0000000				
Calcium	317.9	0.0000000				
Chromium	267.7	0.0000000				
Cobalt	228.6	0.0000000				
Copper	224.7	0.0000000				
Iron	261.1	0.0000000				
Lead	220.3	0.0000000				
Magnesium	279.0	0.0000000				
Manganese	257.6	0.0000000				
Molybdenum	202.0	0.0000000				
Nickel	231.6	0.0000000				
Potassium	766.4	0.0000000				
Selenium	196.0	0.0000000				
Silver	328.0	0.0000000				
Sodium	330.2	0.0000000				
Thallium	190.8	0.0000000				
Vanadium	292.4	0.0000000				
Zinc	206.2	0.0000000				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Tetra Tech NUS, Inc. (T010) SDG: CTO154OURI_002

Project: CTO154 OU3RI NAS Jacksonville_2010

ICP Instrument ID: ME-ICP Date: 09/11/2009

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Aluminum	15	500000	P
Antimony	15	10000	P
Arsenic	15	10000	P
Barium	15	5000	P
Beryllium	15	10000	P
Cadmium	15	10000	P
Calcium	15	500000	P
Chromium	15	10000	P
Cobalt	15	10000	P
Copper	15	10000	P
Iron	15	500000	P
Lead	15	10000	P
Magnesium	15	500000	P
Manganese	15	10000	P
Molybdenum	15	10000	P
Nickel	15	10000	P
Potassium	15	100000	P
Selenium	15	10000	P
Silver	15	2000	P
Sodium	15	500000	P
Thallium	15	10000	P
Vanadium	15	10000	P
Zinc	15	10000	P

PREPARATION BATCH SUMMARY

SW7470A

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2010

Batch: 0L17016 Batch Matrix: Water Preparation: pMercury-W SW 7470A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
Blank	0L17016-BLK1	12/17/10 13:50	30.00	30.00
LCS	0L17016-BS1	12/17/10 13:50	30.00	30.00
JAX-MW-780-DUP01-GW20101210	0L17016-MS2	12/17/10 13:50	30.00	30.00
JAX-MW-780-DUP01-GW20101210	0L17016-MSD2	12/17/10 13:50	30.00	30.00
JAX-MW-780-1-GW20101210	1012125-01	12/17/10 13:50	30.00	30.00
JAX-EW-780-2-GW20101210	1012125-02	12/17/10 13:50	30.00	30.00
JAX-MW-780-DUP01-GW20101210	1012125-03	12/17/10 13:50	30.00	30.00

PREPARATION BATCH SUMMARY

SW6010C

Laboratory: Empirical Laboratories, LLC SDG: CTO154OURI_002

Client: Tetra Tech NUS, Inc. (T010) Project: CTO154 OU3RI NAS Jacksonville_2010

Batch: 0L21004 Batch Matrix: Water Preparation: MET_3005A_LOW

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
Blank	0L21004-BLK1	12/21/10 08:43	100.00	25.00
LCS	0L21004-BS1	12/21/10 08:43	100.00	25.00
JAX-MW-780-1-GW20101210	1012125-01	12/21/10 08:43	100.00	25.00
JAX-EW-780-2-GW20101210	1012125-02	12/21/10 08:43	100.00	25.00
JAX-MW-780-DUP01-GW20101210	1012125-03	12/21/10 08:43	100.00	25.00

ANALYSIS SEQUENCE SUMMARY

SW7470A

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L35509	Instrument:	ME-FIMS
Calibration:	0355003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0L35509-CAL1	122010w-002	12/20/10 11:28
Cal Standard	0L35509-CAL2	122010w-003	12/20/10 11:29
Cal Standard	0L35509-CAL3	122010w-004	12/20/10 11:31
Cal Standard	0L35509-CAL4	122010w-005	12/20/10 11:33
Cal Standard	0L35509-CAL5	122010w-006	12/20/10 11:35
Cal Standard	0L35509-CAL6	122010w-007	12/20/10 11:37
Cal Standard	0L35509-CAL7	122010w-008	12/20/10 11:39
Initial Cal Check	0L35509-ICV1	122010w-010	12/20/10 11:48
Initial Cal Blank	0L35509-ICB1	122010w-011	12/20/10 11:49
Instrument RL Check	0L35509-CRL1	122010w-012	12/20/10 11:51
Calibration Check	0L35509-CCV1	122010w-022	12/20/10 12:09
Calibration Blank	0L35509-CCB1	122010w-023	12/20/10 12:10
Calibration Check	0L35509-CCV2	122010w-034	12/20/10 12:31
Calibration Blank	0L35509-CCB2	122010w-035	12/20/10 12:33
LCS	0L17016-BS1	122010w-041	12/20/10 12:44
Blank	0L17016-BLK1	122010w-042	12/20/10 12:46
Calibration Check	0L35509-CCV3	122010w-046	12/20/10 12:52
Calibration Blank	0L35509-CCB3	122010w-047	12/20/10 12:54
Calibration Check	0L35509-CCV4	122010w-058	12/20/10 13:13
Calibration Blank	0L35509-CCB4	122010w-059	12/20/10 13:19
JAX-MW-780-1-GW20101210	1012125-01	122010w-066	12/20/10 13:31
JAX-EW-780-2-GW20101210	1012125-02	122010w-067	12/20/10 13:33
JAX-MW-780-DUP01-GW20101210	1012125-03	122010w-068	12/20/10 13:35
JAX-MW-780-DUP01-GW20101210	0L17016-MS2	122010w-069	12/20/10 13:36
Calibration Check	0L35509-CCV5	122010w-070	12/20/10 13:38
Calibration Blank	0L35509-CCB5	122010w-071	12/20/10 13:40
JAX-MW-780-DUP01-GW20101210	0L17016-MSD2	122010w-072	12/20/10 13:42
Calibration Check	0L35509-CCV6	122010w-082	12/20/10 14:00
Calibration Blank	0L35509-CCB6	122010w-083	12/20/10 14:02
Calibration Check	0L35509-CCV7	122010w-094	12/20/10 14:21
Calibration Blank	0L35509-CCB7	122010w-095	12/20/10 14:23
Instrument RL Check	0L35509-CRL2	122010w-097	12/20/10 14:47

ANALYSIS SEQUENCE SUMMARY

SW7470A

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L35509	Instrument:	ME-FIMS
Calibration:	0355003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	0L35509-CCV8	122010w-098	12/20/10 14:48
Calibration Blank	0L35509-CCB8	122010w-099	12/20/10 14:50

ANALYSIS SEQUENCE SUMMARY

SW6010C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Sequence:	0L35706	Instrument:	ME-ICP
Calibration:	0357001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	0L35706-CAL1	122210A-001	12/22/10 09:31
Cal Standard	0L35706-CAL2	122210A-002	12/22/10 09:36
Cal Standard	0L35706-CAL3	122210A-003	12/22/10 09:40
Cal Standard	0L35706-CAL4	122210A-004	12/22/10 09:44
Cal Standard	0L35706-CAL5	122210A-006	12/22/10 09:54
Cal Standard	0L35706-CAL6	122210A-007	12/22/10 09:59
Cal Standard	0L35706-CAL7	122210A-008	12/22/10 10:04
Cal Standard	0L35706-CAL8	122210A-010	12/22/10 10:13
Initial Cal Check	0L35706-ICV1	122210B-001	12/22/10 10:50
Initial Cal Blank	0L35706-ICB1	122210B-002	12/22/10 10:58
Instrument RL Check	0L35706-CRL1	122210B-003	12/22/10 11:02
Instrument RL Check	0L35706-CRL4	122210B-006	12/22/10 11:16
Interference Check A	0L35706-IFA1	122210B-007	12/22/10 11:21
Interference Check B	0L35706-IFB1	122210B-008	12/22/10 11:27
Calibration Check	0L35706-CCV1	122210B-010	12/22/10 11:38
Calibration Blank	0L35706-CCB1	122210B-011	12/22/10 11:46
Blank	0L21004-BLK1	122210B-012	12/22/10 11:50
LCS	0L21004-BS1	122210B-013	12/22/10 11:55
JAX-MW-780-1-GW20101210	1012125-01	122210B-014	12/22/10 12:02
JAX-EW-780-2-GW20101210	1012125-02	122210B-015	12/22/10 12:07
JAX-MW-780-DUP01-GW20101210	1012125-03	122210B-016	12/22/10 12:11
Calibration Check	0L35706-CCV2	122210B-028	12/22/10 13:13
Calibration Blank	0L35706-CCB2	122210B-029	12/22/10 13:20

INITIAL CALIBRATION DATA

SW7470A

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0355003	Instrument:	ME-FIMS
Matrix:	Water	Calibration Date:	12/17/2010 2:21:06PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Mercury	6	1.260667E-02	4	0.0114625	2	0.012125	1	0.01349	0.5	0.01392	0.2	0.0151

INITIAL CALIBRATION DATA (Continued)

SW7470A

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0355003	Instrument:	ME-FIMS
Matrix:	Water	Calibration Date:	12/17/2010 2:21:06PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Mercury	0	0										

INITIAL CALIBRATION DATA (Continued)

SW7470A

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0355003	Instrument:	ME-FIMS
Matrix:	Water	Calibration Date:	12/17/2010 2:21:06PM

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Mercury	1.124345E-02	45.37754	0	0	0.9961941			

INITIAL CALIBRATION DATA

SW6010C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0357001	Instrument:	ME-ICP
Matrix:	Water	Calibration Date:	12/23/2010 3:41:22PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	1.9848E-05	10000	1.9996E-05			500000	2.0736E-05		
Antimony	0	0	100	0.0008832	1000	9.4053E-04					10000	9.444199E-04
Arsenic	0	0	100	0.000385	1000	4.2025E-04					10000	4.2927E-04
Barium	0	0	50	0.0138606	1000	0.013299	5000	0.0132684				
Beryllium	0	0	100	0.0020038	1000	0.0019931					10000	0.0018673
Boron	0	0	50	0.0000106	1000	1.122E-05					5000	1.1234E-05
Cadmium	0	0	100	0.0102	1000	0.010342					10000	0.0098338
Calcium	0	0	1100	2.858182E-05	50000	2.7812E-05					10000	
Chromium	0	0	100	0.0000263	1000	2.438E-05					10000	2.4739E-05
Cobalt	0	0	100	0.0061608	1000	0.0061813					10000	0.0062249
Copper	0	0	100	0.0000853	1000	0.0000805					10000	8.0157E-05
Iron	0	0	5100	1.227451E-05	10000	1.1504E-05			500000	1.07794E-05	10000	
Lead	0	0	100	0.001378	1000	0.0013612					10000	0.0013726
Magnesium	0	0	5100		50000	1.2444E-06			500000	1.26816E-06	10000	
Manganese	0	0	100	0.0001856	1000	1.7579E-04	10000	1.7488E-04			10000	
Molybdenum	0	0	100	0.0049734	1000	0.0051361					10000	0.0051979
Nickel	0	0	100	0.0037482	1000	0.0036424					10000	0.003723
Potassium	0	0	1000	1.064E-05	10000	1.1206E-05						
Selenium	0	0	100	0.0004852	1000	5.0444E-04					10000	5.0476E-04
Silver	0	0	20	0.0000475	500	4.482E-05	2000	4.6135E-05				
Sodium	0	0	1000		50000	4.585E-05						
Thallium	0	0	100	0.0008988	1000	8.8272E-04					10000	9.180999E-04
Tin	0	0	50	0.0012644	1000	0.0013149					5000	1.33506E-03
Titanium	0	0	100	0.0001915	1000	1.8677E-04					10000	1.8656E-04
Vanadium	0	0	100	0.0000359	1000	0.0000349					10000	3.5146E-05
Zinc	0	0	100	0.004324	1000	0.0044216					10000	0.004299
Strontium	0	0	100	0.001662	1000	0.001633					10000	0.001609

INITIAL CALIBRATION DATA (Continued)

SW6010C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0357001	Instrument:	ME-ICP
Matrix:	Water	Calibration Date:	12/23/2010 3:41:22PM

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	2.7302E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	1.2977E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.2139E-05										
Selenium												
Silver												
Sodium	100000	4.8431E-05	500000	0.0000486								
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Strontium												

INITIAL CALIBRATION DATA (Continued)

SW6010C

Laboratory:	Empirical Laboratories, LLC	SDG:	CTO154OURI_002
Client:	Tetra Tech NUS, Inc. (T010)	Project:	CTO154 OU3RI NAS Jacksonville_2010
Calibration:	0357001	Instrument:	ME-ICP
Matrix:	Water	Calibration Date:	12/23/2010 3:41:22PM

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.5145E-05	66.71599	3.287432	170.7762	0.9999997		0.998	
Antimony	6.920375E-04	66.78922	10.09246	194.4007	0.9999998		0.998	
Arsenic	3.0863E-04	66.95333	7.674067	184.8515	0.999997		0.998	
Barium	0.010107	66.72106	3.54046	180.6062	0.9999998		0.998	
Beryllium	1.46605E-03	66.80058	8.973602	192.959	0.9999582		0.998	
Boron	8.2635E-06	66.76259	10.10544	191.3473	0.9999996		0.998	
Cadmium	7.59395E-03	66.72625	0.65311	106.8529	0.9999771		0.998	
Calcium	2.092395E-05	66.71407	2.388893	138.6604	0.9999967		0.998	
Chromium	1.885475E-05	66.81306	5.144778	181.2956	0.9999966		0.998	
Cobalt	4.64175E-03	66.66916	7.098455	192.1057	0.9999995		0.998	
Copper	6.148925E-05	66.77592	0.604875	26.57021	1		0.998	
Iron	8.639477E-06	67.0401	7.68265	187.5481	0.9999982		0.998	
Lead	1.02795E-03	66.67015	157.7813	199.5711	0.9999993		0.998	
Magnesium	9.52565E-07	66.70594	46.98218	198.5971	0.999963		0.998	
Manganese	1.340675E-04	66.76488	6.772092	182.1845	0.9999997		0.998	
Molybdenum	3.82685E-03	66.71256	42.88647	197.8938	0.9999989		0.998	
Nickel	0.0027784	66.68645	1.662058	148.5862	0.9999944		0.998	
Potassium	8.49625E-06	67.06236	2.544345	158.7268	0.9999521		0.998	
Selenium	0.0003736	66.7116	1.11645	125.5634	0.9999998		0.998	
Silver	3.461375E-05	66.74157	2.694028	174.6105	0.9999402		0.998	
Sodium	3.572025E-05	66.75968	3.49501	166.0587	0.9999689		0.998	
Thallium	6.74905E-04	66.7011	9.438475	193.2204	0.9999861		0.998	
Tin	9.7859E-04	66.73581	2.925608	182.0597	0.9999921		0.998	
Titanium	1.412075E-04	66.68623	9.280732	191.8623	1		0.998	
Vanadium	2.64865E-05	66.68602	3.66523	177.7712	0.9999993		0.998	
Zinc	3.26115E-03	66.68639	26.10225	197.117	0.9999919		0.998	
Strontium	0.001226	66.69009	6.542225	187.8978	0.9999981		0.998	

Data for SW6010C / SW7470A Supporting Raw Data/Logs

Sample Name: SEQ-CAL1 Acquired: 12/22/2010 9:31:41 Type: Cal
Method: DuoEnviroMethodNEW(v1913) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00002**	**-.00012**	**-.00074**	**.00001**	**.00597**	**.00004**	**.00023**
Stddev	.00000	.00001	.00021	.00000	.00078	.00001	.00002
%RSD	9.7424	11.691	28.934	39.107	13.130	34.945	7.3074
#1	.00002	-.00013	-.00099	.00001	.00534	.00005	.00021
#2	.00003	-.00010	-.00059	.00001	.00573	.00005	.00024
#3	.00003	-.00013	-.00065	.00000	.00685	.00002	.00023

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00172**	**.04968**	**.00448**	**.00002**	**.0000**	**.00035**	**.00003**
Stddev	.00030	.00083	.00124	.00000	.0000	.00000	.00001
%RSD	17.532	1.6668	27.553	19.135	18.97	.59599	29.288
#1	-.00137	.04999	.00591	.00002	.0000	.00035	.00002
#2	-.00190	.05031	.00386	.00003	.0000	.00035	.00003
#3	-.00188	.04875	.00368	.00002	.0000	.00035	.00003

Elem	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00063**	**.00000**	**.00001**	**.00033**	**.00069**	**.01310**	**-.00013**
Stddev	.00005	.00001	.00000	.00056	.00008	.00070	.00085
%RSD	8.5765	186.94	25.275	170.19	12.186	5.3516	630.11
#1	-.00064	.00000	.00001	.00066	.00076	.01374	-.00106
#2	-.00068	.00001	.00002	.00063	.00059	.01235	.00060
#3	-.00058	.00000	.00001	-.00032	.00070	.01321	.00006

Elem	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00160**	**.00092**	**-.00204**	**-.0002**	**.00006**	**-.00086**	**.00004**
Stddev	.00063	.00003	.00022	.0000	.00002	.00032	.00000
%RSD	39.522	3.1565	10.913	24.98	35.989	36.794	13.436
#1	-.00089	.00090	-.00190	-.0002	.00003	-.00064	.00004
#2	-.00179	.00092	-.00230	-.0002	.00007	-.00071	.00004
#3	-.00211	.00096	-.00193	-.0001	.00006	-.00122	.00003

Sample Name: SEQ-CAL1 Acquired: 12/22/2010 9:31:41 Type: Cal
Method: DuoEnviroMethodNEW(v1913) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Zn2062
Units	Cts/S
Avg	**-.00057**
Stddev	.00059
%RSD	103.28
#1	-.00006
#2	-.00044
#3	-.00122

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	945.23	578740.	95590.
Stddev	3.25	2845.	167.
%RSD	.34375	.49152	.17519
#1	942.05	576260.	95654.
#2	945.10	581840.	95716.
#3	948.55	578100.	95400.

Sample Name: SEQ-CAL2 Acquired: 12/22/2010 9:36:13 Type: Cal
Method: DuoEnviroMethodNEW(v1913) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179	Cd2144
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00095**	**.09924**	**.03850**	**.00053**	**.69303**	**.20038**	**.03144**	**1.2529**
Stddev	.00000	.00018	.00055	.00000	.00358	.00119	.00014	.0057
%RSD	.10379	.18155	1.4221	.21412	.51716	.59223	.46031	.45788
#1	.00095	.09935	.03848	.00053	.69000	.20175	.03153	1.2522
#2	.00095	.09934	.03906	.00053	.69209	.19971	.03127	1.2476
#3	.00095	.09903	.03797	.00053	.69698	.19968	.03152	1.2590

Elem	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.0200**	**.61608**	**.00263**	**.0002**	**.00853**	**.06260**	**.01064**	**.01856**
Stddev	.0050	.00223	.00001	.0000	.00003	.00008	.00011	.00005
%RSD	.48722	.36266	.44916	.9616	.38359	.13047	1.0577	.29162
#1	1.0170	.61358	.00262	.0002	.00853	.06263	.01057	.01856
#2	1.0172	.61674	.00262	.0002	.00849	.06251	.01077	.01851
#3	1.0257	.61790	.00264	.0002	.00856	.06266	.01058	.01861

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4215	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.49734**	**.37482**	**.13780**	**.08832**	**.04852**	**.06322**	**.1662**	**.01915**
Stddev	.00458	.00279	.00023	.00020	.00044	.00027	.0009	.00006
%RSD	.92019	.74364	.16718	.22417	.91617	.43447	.5374	.29589
#1	.49249	.37250	.13799	.08821	.04850	.06336	.1672	.01921
#2	.49795	.37404	.13788	.08820	.04898	.06339	.1656	.01911
#3	.50158	.37791	.13755	.08855	.04809	.06290	.1658	.01913

Elem	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S
Avg	**.08988**	**.00359**	**.43240**
Stddev	.00034	.00001	.00235
%RSD	.37347	.31800	.54300
#1	.08993	.00358	.43264
#2	.08952	.00358	.42994
#3	.09019	.00360	.43462

Sample Name: SEQ-CAL2 Acquired: 12/22/2010 9:36:13 Type: Cal
Method: DuoEnviroMethodNEW(v1913) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	916.13	576690.	96232.
Stddev	5.56	988.	285.
%RSD	.60662	.17125	.29630
#1	922.08	577140.	95903.
#2	915.23	577380.	96398.
#3	911.07	575560.	96396.

Sample Name: SEQ-CAL3 Acquired: 12/22/2010 9:40:34 Type: Cal
Method: DuoEnviroMethodNEW(v1913) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179	Cd2144
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02241**	**.19996**	**.42025**	**.01122**	**13.299**	**1.9931**	**1.3906**	**12.747**
Stddev	.00014	.00056	.00051	.00009	.040	.0041	.0052	.036
%RSD	.63531	.28016	.12248	.84142	.29879	.20396	.37626	.28594
#1	.02252	.20061	.41978	.01127	13.342	1.9963	1.3933	12.745
#2	.02245	.19960	.42017	.01129	13.291	1.9886	1.3846	12.784
#3	.02225	.19968	.42080	.01111	13.264	1.9945	1.3940	12.711

Elem	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664	Mg2790
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**10.342**	**6.1813**	**.02438**	**.0018**	**.08050**	**.11504**	**.11206**	**.06222**
Stddev	.008	.0176	.00015	.0000	.00060	.00034	.00034	.00017
%RSD	.07659	.28510	.60484	.7579	.75122	.29783	.30332	.26551
#1	10.341	6.2009	.02452	.0018	.08049	.11544	.11245	.06240
#2	10.350	6.1763	.02439	.0018	.08112	.11483	.11183	.06207
#3	10.334	6.1667	.02423	.0018	.07991	.11486	.11191	.06219

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.17579**	**5.1361**	**2.2925**	**3.6424**	**1.3612**	**.94053**	**.50444**	**1.3149**
Stddev	.00111	.0098	.0052	.0093	.0070	.00358	.00086	.0020
%RSD	.63206	.19184	.22547	.25617	.51686	.38086	.17125	.15004
#1	.17692	5.1466	2.2984	3.6527	1.3686	.94448	.50526	1.3154
#2	.17577	5.1271	2.2896	3.6399	1.3605	.93750	.50354	1.3127
#3	.17469	5.1345	2.2894	3.6345	1.3546	.93960	.50452	1.3165

Elem	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.633**	**.18677**	**.88272**	**.03490**	**4.4216**
Stddev	.003	.00044	.00251	.00022	.0129
%RSD	.1984	.23706	.28383	.62821	.29245
#1	1.636	.18723	.88287	.03508	4.4284
#2	1.630	.18635	.88014	.03496	4.4297
#3	1.634	.18673	.88514	.03466	4.4067

Sample Name: SEQ-CAL3 Acquired: 12/22/2010 9:40:34 Type: Cal
Method: DuoEnviroMethodNEW(v1913) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	798.43	541380.	94116.
Stddev	2.59	3336.	97.
%RSD	.32411	.61624	.10296
#1	795.68	541610.	94011.
#2	800.81	537930.	94202.
#3	798.81	544590.	94135.

Sample Name: SEQ-CAL4 Acquired: 12/22/2010 9:44:43 Type: Cal
Method: DuoEnviroMethodNEW(v1913) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Ba2335	Mn2576
Units	Cts/S	Cts/S	Cts/S
Avg	**.09227**	**66.342**	**1.7488**
Stddev	.00027	.143	.0156
%RSD	.29461	.21589	.88969
#1	.09258	66.186	1.7581
#2	.09207	66.467	1.7308
#3	.09215	66.373	1.7574

Int. Std.	Sc1880	Sc3613
Units	Cts/S	Cts/S
Avg	917.56	569560.
Stddev	2.49	1355.
%RSD	.27108	.23783
#1	918.89	569140.
#2	914.69	571070.
#3	919.11	568460.

Sample Name: SEQ-CAL5 Acquired: 12/22/2010 9:54:27 Type: Cal
Method: DuoEnviroMethodNEW(v1913) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3961	Fe2611	Mg2790
Units	Cts/S	Cts/S	Cts/S
Avg	**10.368**	**5.3897**	**.63408**
Stddev	.103	.0547	.00201
%RSD	.99702	1.0143	.31629
#1	10.472	5.3266	.63186
#2	10.366	5.4240	.63463
#3	10.266	5.4184	.63576

Int. Std.	Sc3613-2
Units	Cts/S
Avg	89875.
Stddev	141.
%RSD	.15702
#1	89945.
#2	89968.
#3	89713.

Sample Name: SEQ-CAL6 Acquired: 12/22/2010 9:59:12 Type: Cal
Method: DuoEnviroMethodNEW(v1913) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	As1890	B_2496	Be3130	Cd2144	Cd2288	Co2286	Cr2677	Cu2199
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.2927**	**.05617**	**18.673**	**120.33**	**98.338**	**62.249**	**.24739**	**.0187**
Stddev	.0093	.00015	.029	.43	.375	.120	.00097	.0000
%RSD	.21769	.25921	.15322	.35993	.38183	.19306	.39011	.2128
#1	4.2927	.05629	18.642	120.32	98.336	62.308	.24812	.0188
#2	4.2834	.05601	18.677	119.90	97.963	62.111	.24630	.0187
#3	4.3021	.05619	18.699	120.77	98.714	62.328	.24776	.0187

Elem	Cu3247	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Sn1899	Sr4215
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.80157**	**51.979**	**37.230**	**13.726**	**9.4442**	**5.0476**	**6.6753**	**16.09**
Stddev	.00552	.127	.111	.045	.0229	.0112	.0137	.07
%RSD	.68870	.24386	.29682	.33107	.24283	.22188	.20492	.4531
#1	.80176	52.003	37.219	13.723	9.4583	5.0491	6.6782	16.06
#2	.79596	51.842	37.126	13.683	9.4177	5.0357	6.6604	16.04
#3	.80699	52.092	37.346	13.773	9.4565	5.0579	6.6873	16.18

Elem	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.8656**	**9.1810**	**.35146**	**42.990**
Stddev	.0112	.0278	.00098	.126
%RSD	.60098	.30260	.27871	.29356
#1	1.8591	9.1632	.35244	43.006
#2	1.8591	9.1668	.35048	42.857
#3	1.8785	9.2130	.35148	43.108

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	784.71	545530.	95503.
Stddev	1.92	1337.	412.
%RSD	.24509	.24499	.43114
#1	784.23	544030.	95661.
#2	786.83	546600.	95812.
#3	783.08	545980.	95036.

Sample Name: SEQ-CAL7 Acquired: 12/22/2010 10:04:12 Type: Cal
Method: DuoEnviroMethodNEW(v1913) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	K_7664	Na5895
Units	Cts/S	Cts/S
Avg	**1.2139**	**4.8431**
Stddev	.0029	.0504
%RSD	.23986	1.0411
#1	1.2122	4.8332
#2	1.2123	4.7983
#3	1.2173	4.8977

Int. Std.	Sc3613-2
Units	Cts/S
Avg	93429.
Stddev	271.
%RSD	.28986
#1	93697.
#2	93433.
#3	93156.

Sample Name: SEQ-CAL8 Acquired: 12/22/2010 10:13:45 Type: Cal
Method: DuoEnviroMethodNEW(v1913) Mode: IR Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ca3179	Mg2790	Na5895
Units	Cts/S	Cts/S	Cts/S
Avg	**13.651**	**.12977**	**24.300**
Stddev	.193	.00053	.128
%RSD	1.4116	.40693	.52747
#1	13.597	.12977	24.238
#2	13.865	.13030	24.447
#3	13.491	.12924	24.214

Int. Std.	Sc3613-2
Units	Cts/S
Avg	88707.
Stddev	382.
%RSD	.43051
#1	88665.
#2	88348.
#3	89108.

Sample Name: SEQ-ICV Acquired: 12/22/2010 10:50:54 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 10L0746

Elem	Ag3280	Al3961	As1890	B_2496 (108%)	Ba2335	Be3130 (106.2%)	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**503.37**	**9707.4**	**1033.1**	F **1080.7**	**1033.8**	F **1061.9**	**51.161**
Stddev	1.23	11.4	6.2	.9	5.7	1.1	.205
%RSD	.24524	.11762	.60134	.07963 ok for 6010B	.55116	.10437 ok for 6010B	.40048
#1	504.79	9694.7	1033.2	1081.1	1031.4	1062.9	51.386
#2	502.69	9710.8	1026.8	1079.7	1029.7	1060.7	51.112
#3	502.61	9716.8	1039.2	1081.3	1040.3	1062.2	50.985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value				1000.0		1000.0	
Range				±50.000		±50.000	

Elem	Cd2144	Cd2288 (108.3%)	Co2286	Cr2677	Cu2199	Cu3247	Fe2611
Units	ppm	ppb	ppb	ppb	ppm	ppb	ppb
Avg	F **1083.8**	F **1082.9**	**1007.6**	**951.43**	**1009.**	**1018.3**	**10263.**
Stddev	3.9	4.5	7.3	4.43	4.	2.9	30.
%RSD	.35915	.41416 ok for 6010B	.72586	.46521	.3944	.28477	.29570
#1	1083.5	1081.4	1004.2	956.40	1012.	1019.5	10294.
#2	1080.1	1079.5	1002.6	947.91	1012.	1020.5	10233.
#3	1087.9	1088.0	1016.0	949.99	1005.	1015.0	10264.
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	1000.0	1000.0					
Range	±50.000	±50.000					

Elem	K_7664 (92.7%)	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppb	ppb	ppm	ppb	ppb
Avg	F **9.2712**	**50.546**	**1042.4**	**1042.9**	**49.862**	**1007.0**	**1009.4**
Stddev	.0245	.098	2.4	5.7	.142	4.7	5.9
%RSD	.26383 ok for 6010B	.19446	.23178	.55059	.28421	.46349	.58669
#1	9.2722	50.654	1044.4	1040.7	49.703	1005.6	1007.0
#2	9.2952	50.462	1039.7	1038.6	49.973	1003.1	1005.1
#3	9.2463	50.522	1043.1	1049.4	49.912	1012.2	1016.1
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000						
Range	±-.50000						

Sample Name: SEQ-ICV Acquired: 12/22/2010 10:50:54 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 10L0746

106.4%

Elem	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908	V_2924
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1020.3**	**1033.2**	**995.44**	F **1064.**	**1027.6**	**979.03**	**1042.6**
Stddev	5.5	4.2	5.02	1.	.6	4.48	2.4
%RSD	.53952	.40994	.50428	.1250	.05373	.45712	.23263
				ok for 60108			
#1	1018.4	1034.5	993.32	1063.	1027.0	976.35	1042.7
#2	1016.0	1028.5	991.82	1066.	1027.9	976.55	1040.0
#3	1026.5	1036.7	1001.2	1064.	1028.0	984.20	1044.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value				1000.			
Range				±50.00			

Elem	Zn2062
Units	ppb
Avg	**1027.6**
Stddev	4.4
%RSD	.43098
#1	1027.1
#2	1023.5
#3	1032.3
Check ?	Chk Pass
Value	
Range	

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	782.64	532740.	94294.
Stddev	5.46	2052.	109.
%RSD	.69715	.38520	.11553
#1	784.58	531520.	94402.
#2	786.86	531600.	94184.
#3	776.48	535110.	94295.

Sample Name: SEQ-ICB Acquired: 12/22/2010 10:58:11 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179	Cd2144
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm
Avg	**-.08552**	**1.5289**	**-.24189**	**.84084**	**.03740**	**.00741**	**.00262**	**.00382**
Stddev	.20826	.8858	.89337	.09116	.01018	.01697	.00066	.02418
%RSD	243.52	57.935	369.32	10.841	27.230	229.10	25.148	632.15
#1	-.32590	.50611	.77955	.79779	.04598	-.00957	.00224	.02492
#2	.04043	2.0361	-.87755	.77917	.04006	.00743	.00223	.00911
#3	.02892	2.0444	-.62768	.94554	.02614	.02437	.00338	-.02256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664	Mg2790
Units	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppm
Avg	**.31579**	**.00682**	**-.16285**	**.3481**	**.40007**	**-.64735**	**.00327**	**-.00329**
Stddev	.13962	.09834	.04549	.5385	.07822	.91695	.00355	.00285
%RSD	44.213	1440.9	27.935	154.7	19.553	141.65	108.59	86.437
#1	.21665	.01712	-.14611	.2264	.32039	-1.6126	.00728	-.00410
#2	.25525	-.09626	-.21435	.9371	.47675	-.54155	.00058	-.00565
#3	.47547	.09962	-.12810	-.1191	.40306	.21211	.00193	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899
Units	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Avg	**.03908**	**.92397**	**.01187**	**-.41388**	**.10924**	**.33078**	**1.6226**	**.40521**
Stddev	.03322	.02424	.00201	.10865	.50094	.63078	.4097	.10041
%RSD	85.009	2.6239	16.952	26.251	458.58	190.70	25.251	24.779
#1	.00995	.93718	.01074	-.51905	.65661	.81431	1.1566	.44888
#2	.03202	.93875	.01068	-.30205	-.00249	.56074	1.7847	.29036
#3	.07526	.89599	.01420	-.42055	-.32641	-.38272	1.9264	.47633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-ICB Acquired: 12/22/2010 10:58:11 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.0652**	**.08198**	**.83890**	**.12076**	**.23596**
Stddev	.0271	.12218	.68039	.13649	.11100
%RSD	41.55	149.03	81.105	113.02	47.042
#1	.0346	-.04738	.78798	.20314	.17615
#2	.0749	.19541	.18540	.19593	.36404
#3	.0861	.09791	1.5433	-.03678	.16769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	932.67	579860.	97232.
Stddev	7.39	4024.	370.
%RSD	.79252	.69399	.38031
#1	930.70	582450.	97632.
#2	940.84	575220.	97162.
#3	926.46	581900.	96903.

Sample Name: SEQ-CRL Acquired: 12/22/2010 11:02:50 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: RLSTDA

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**2.0066**	**106.03**	**5.2892**	**10.448**	**10.181**	**2.0956**	**1.9998**
Stddev	.1297	1.91	.5140	.331	.055	.0221	.0024
%RSD	6.4638	1.7980	9.7177	3.1686	.54392	1.0528	.12116
#1	2.1562	103.95	5.8255	10.720	10.158	2.1058	2.0022
#2	1.9386	106.44	4.8009	10.546	10.140	2.1108	1.9998
#3	1.9251	107.70	5.2412	10.079	10.244	2.0703	1.9974
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611
Units	ppm	ppb	ppb	ppb	ppm	ppb	ppb
Avg	**2.0632**	**2.3569**	**9.4537**	**3.6565**	**8.307**	**8.2630**	**63.028**
Stddev	.0735	.1001	.1363	.0090	.326	.1617	1.646
%RSD	3.5608	4.2465	1.4414	.24669	3.922	1.9572	2.6123
#1	1.9959	2.4631	9.4008	3.6658	8.191	8.3649	64.555
#2	2.1416	2.2643	9.3518	3.6561	8.675	8.3475	61.283
#3	2.0522	2.3433	9.6085	3.6478	8.056	8.0765	63.244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppb	ppb	ppm	ppb	ppb
Avg	**2.9141**	**2.9506**	**6.4389**	**9.9319**	**2.9873**	**5.5646**	F **2.3958**
Stddev	.0312	.0235	.0872	.0766	.0223	.1939	.4913
%RSD	1.0720	.79773	1.3546	.77083	.74503	3.4850	20.505
#1	2.9482	2.9743	6.4293	9.8520	3.0129	5.7259	1.8479
#2	2.9073	2.9501	6.5305	9.9390	2.9758	5.3494	2.7969
#3	2.8869	2.9273	6.3569	10.005	2.9731	5.6184	2.5428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value							3.0000
Range							±-.60000

Sample Name: SEQ-CRL Acquired: 12/22/2010 11:02:50 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: RLSTDA

Elem	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908	V_2924
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.8262**	**6.8565**	**18.745**	**6.252**	**10.215**	**3.7752**	**10.285**
Stddev	.3895	.4443	.406	.055	.041	.4011	.199
%RSD	4.9771	6.4801	2.1635	.8803	.40294	10.623	1.9309
#1	7.4697	7.0212	18.605	6.257	10.239	3.8435	10.362
#2	8.2420	6.3533	19.202	6.305	10.168	3.3444	10.433
#3	7.7669	7.1949	18.428	6.195	10.239	4.1378	10.059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Zn2062
Units	ppb
Avg	**9.9095**
Stddev	.2359
%RSD	2.3801
#1	10.097
#2	9.6447
#3	9.9867
Check ?	Chk Pass
Value	
Range	

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	901.79	569950.	96683.
Stddev	3.13	6155.	508.
%RSD	.34745	1.0799	.52521
#1	903.86	567140.	96116.
#2	903.32	565700.	96834.
#3	898.18	577010.	97097.

Sample Name: SEQ-CRL Acquired: 12/22/2010 11:16:53 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: RLSTD1

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179	Cd2144
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm
Avg	**1.9669**	**207.75**	**5.0008**	**30.511**	**98.055**	**5.2633**	**5.0109**	**5.1568**
Stddev	.1307	2.03	.9909	.197	.396	.0522	.0451	.0628
%RSD	6.6446	.97683	19.815	.64622	.40354	.99144	.90030	1.2178
#1	2.0341	209.35	5.9263	30.562	97.856	5.2209	4.9741	5.1869
#2	1.8163	208.44	5.1208	30.678	97.798	5.3216	5.0612	5.1990
#3	2.0503	205.47	3.9554	30.293	98.511	5.2473	4.9973	5.0847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664	Mg2790
Units	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppm
Avg	**5.4085**	**12.064**	**4.8184**	**9.944**	**10.525**	**105.64**	**4.8689**	**4.8946**
Stddev	.1338	.099	.2029	.476	.115	2.52	.0120	.0284
%RSD	2.4729	.81827	4.2119	4.790	1.0972	2.3877	.24705	.57936
#1	5.3348	11.951	4.6038	9.443	10.400	107.79	4.8828	4.8969
#2	5.5629	12.135	5.0072	10.39	10.628	102.86	4.8620	4.9217
#3	5.3278	12.105	4.8442	9.997	10.547	106.25	4.8619	4.8651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range								

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899
Units	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Avg	**15.959**	**14.561**	**4.8939**	**9.4533**	**2.7050**	**13.997**	**5.5460**	**28.619**
Stddev	.126	.102	.0070	.0619	.3447	1.063	1.0514	.437
%RSD	.79014	.70291	.14260	.65457	12.743	7.5964	18.958	1.5271
#1	15.829	14.532	4.9019	9.4817	2.7514	14.884	5.0123	28.755
#2	16.081	14.477	4.8906	9.3823	2.3395	12.818	4.8684	28.130
#3	15.967	14.675	4.8892	9.4959	3.0242	14.288	6.7572	28.972
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range								

Sample Name: SEQ-CRL Acquired: 12/22/2010 11:16:53 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: RLSTD1

Elem	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-.0201**	**15.567**	**7.6389**	**12.972**	**19.510**
Stddev	.0151	.065	.8383	.118	.415
%RSD	75.25	.41904	10.974	.90730	2.1253
#1	-.0339	15.500	8.0359	12.885	19.071
#2	-.0039	15.630	8.2049	13.106	19.565
#3	-.0226	15.571	6.6759	12.926	19.894
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	884.98	560560.	96204.
Stddev	4.14	4707.	313.
%RSD	.46828	.83970	.32580
#1	888.57	565830.	96396.
#2	885.92	556780.	95842.
#3	880.45	559060.	96374.

Sample Name: SEQ-IFA Acquired: 12/22/2010 11:21:41 Type: Unk
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**-.46239**	**522520.**	**-3.4450**	**15.310**	**1.5298**	**.04754**	**499.50**
Stddev	.10703	2453.	.8835	1.282	.2878	.01270	3.60
%RSD	23.148	.46952	25.645	8.3713	18.814	26.717	.72119
#1	-.55566	520880.	-3.6770	14.967	1.5571	.04608	497.84
#2	-.34553	525340.	-4.1894	14.235	1.8030	.06090	497.03
#3	-.48599	521340.	-2.4687	16.728	1.2293	.03563	503.63

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611
Units	ppm	ppb	ppb	ppb	ppm	ppb	ppb
Avg	**.37336**	**-.11187**	**.73152**	**-1.5151**	**.2212**	**-3.4646**	**200410.**
Stddev	.11215	.03990	.14206	.1090	.4884	.1197	1641.
%RSD	30.037	35.671	19.421	7.1975	220.8	3.4540	.81877
#1	.46574	-.15189	.58778	-1.3955	.2093	-3.3532	199590.
#2	.24858	-.07209	.87184	-1.6089	.7154	-3.4495	199340.
#3	.40576	-.11162	.73493	-1.5410	-.2611	-3.5911	202300.

Elem	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppb	ppb	ppm	ppb	ppb
Avg	**-.04714**	**510.31**	**3.5845**	**-.12955**	**.03867**	**-3.7457**	**8.1245**
Stddev	.00079	1.99	.0571	.62200	.00167	.4321	2.0461
%RSD	1.6825	.39026	1.5925	480.11	4.3317	11.536	25.184
#1	-.04696	510.22	3.5832	.57203	.03675	-3.3704	6.3965
#2	-.04800	508.36	3.6422	-.34723	.03938	-3.6486	7.5931
#3	-.04645	512.34	3.5281	-.61345	.03987	-4.2181	10.384

Elem	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908	V_2924
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-3.2053**	**3.6081**	**-4.2626**	**-5.530**	**-2.7371**	**.69340**	**.87734**
Stddev	4.4322	2.4923	.7968	.009	.0970	1.4401	.16457
%RSD	138.28	69.075	18.693	.1718	3.5448	207.69	18.758
#1	-5.8467	5.7110	-5.0470	-5.539	-2.8030	-.95428	.76442
#2	1.9117	.85520	-4.2868	-5.531	-2.7827	1.7117	.80144
#3	-5.6808	4.2582	-3.4540	-5.520	-2.6257	1.3227	1.0662

Sample Name: SEQ-IFA Acquired: 12/22/2010 11:21:41 Type: Unk
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Zn2062
Units	ppb
Avg	**7.0806**
Stddev	.5968
%RSD	8.4291
#1	7.7696
#2	6.7250
#3	6.7472

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	614.52	476060.	87112.
Stddev	1.55	1312.	385.
%RSD	.25298	.27550	.44251
#1	612.89	477160.	87026.
#2	614.69	474610.	87533.
#3	615.98	476420.	86777.

Sample Name: SEQ-IFB Acquired: 12/22/2010 11:27:36 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm
Avg	**208.62**	**488510.**	**109.10**	**23.922**	**517.48**	**463.35**	**458.91**
Stddev	1.38	1235.	1.48	.915	1.04	2.53	6.40
%RSD	.66294	.25275	1.3533	3.8260	.20075	.54527	1.3937
#1	210.22	487250.	110.45	24.125	518.53	465.87	452.46
#2	207.76	488570.	107.52	24.718	516.46	463.37	459.02
#3	207.89	489720.	109.34	22.922	517.46	460.81	465.25
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2144	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611
Units	ppm	ppb	ppb	ppb	ppm	ppb	ppb
Avg	**990.65**	**1175.9**	**451.10**	**427.66**	**439.9**	**497.01**	**188700.**
Stddev	2.66	2.7	1.56	3.74	1.9	5.49	528.
%RSD	.26832	.23254	.34562	.87364	.4418	1.1048	.27996
#1	993.70	1179.0	452.73	431.74	441.8	503.28	189220.
#2	989.38	1174.0	449.62	426.85	439.9	494.72	188730.
#3	988.85	1174.7	450.95	424.40	438.0	493.04	188160.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	K_7664	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203
Units	ppm	ppm	ppb	ppb	ppm	ppb	ppb
Avg	**.01026**	**469.33**	**435.35**	**.83035**	**.06759**	**891.04**	**52.429**
Stddev	.01208	1.86	3.74	.40550	.00322	2.40	1.856
%RSD	117.75	.39683	.85995	48.835	4.7697	.26924	3.5408
#1	-.00258	471.14	439.67	1.2081	.06481	893.58	50.726
#2	.01196	469.43	433.09	.88113	.06684	888.81	52.153
#3	.02139	467.42	433.29	.40185	.07112	890.75	54.408
Check ?	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass
Value							
Range							

Sample Name: SEQ-IFB Acquired: 12/22/2010 11:27:36 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Sn1899	Sr4215	Ti3349	Tl1908	V_2924
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**642.03**	**51.745**	**-3.8878**	**-5.156**	**-1.5928**	**84.441**	**434.84**
Stddev	4.90	2.262	2.5714	.151	.2163	1.786	4.43
%RSD	.76283	4.3710	66.141	2.920	13.583	2.1155	1.0198
#1	646.69	54.324	-5.1257	-5.005	-1.5358	86.415	439.96
#2	636.92	50.816	-.93156	-5.158	-1.8319	82.935	432.05
#3	642.49	50.096	-5.6062	-5.306	-1.4106	83.975	432.52
Check ?	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass
Value							
Range							

Elem	Zn2062
Units	ppb
Avg	**945.52**
Stddev	.95
%RSD	.10063
#1	946.22
#2	944.44
#3	945.91
Check ?	Chk Pass
Value	
Range	

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	639.29	498780.	92550.
Stddev	2.52	3997.	173.
%RSD	.39395	.80133	.18734
#1	636.43	494160.	92352.
#2	640.24	501110.	92622.
#3	641.19	501060.	92676.

Sample Name: SEQ-CCV Acquired: 12/22/2010 11:38:58 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 10L0747

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179	Cd2144
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm
Avg	**501.09**	**9644.4**	**1015.5**	**1053.8**	**1015.6**	**1074.3**	**51.545**	**1064.2**
Stddev	2.06	13.7	6.4	4.8	4.1	3.1	.207	1.7
%RSD	.41082	.14160	.63006	.45915	.40728	.28656	.40170	.16236
#1	500.05	9652.4	1011.0	1050.8	1012.6	1076.5	51.727	1062.9
#2	503.47	9628.7	1012.6	1059.4	1014.0	1075.7	51.588	1063.5
#3	499.77	9652.2	1022.8	1051.3	1020.3	1070.8	51.320	1066.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664	Mg2790
Units	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppm
Avg	**1058.9**	**986.38**	**988.67**	**1004.**	**1010.0**	**10264.**	**9.7842**	**50.440**
Stddev	4.0	4.15	2.90	4.	2.8	19.	.0355	.071
%RSD	.37778	.42094	.29366	.3851	.28065	.18237	.36322	.14163
#1	1057.0	983.16	987.00	1003.	1009.5	10247.	9.7742	50.521
#2	1056.1	984.92	992.02	1008.	1013.0	10261.	9.7548	50.411
#3	1063.4	991.07	986.99	1000.	1007.4	10284.	9.8237	50.388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899
Units	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Avg	**1024.5**	**1012.9**	**49.547**	**994.49**	**994.00**	**1001.2**	**1015.9**	**1003.7**
Stddev	5.8	5.7	.058	5.21	5.57	8.4	4.4	4.9
%RSD	.56533	.56392	.11789	.52348	.56000	.83606	.43771	.49053
#1	1022.9	1008.3	49.548	990.93	991.70	994.82	1011.8	999.52
#2	1030.9	1011.2	49.488	992.08	989.95	998.05	1015.4	1002.5
#3	1019.7	1019.3	49.604	1000.5	1000.3	1010.7	1020.6	1009.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: SEQ-CCV Acquired: 12/22/2010 11:38:58 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 10L0747

Elem	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1048.**	**1019.1**	**1000.4**	**1018.6**	**1021.2**
Stddev	2.	2.0	3.9	6.5	3.4
%RSD	.2370	.19965	.38613	.63957	.33717
#1	1050.	1020.8	998.28	1017.0	1017.9
#2	1050.	1019.6	998.14	1025.7	1020.8
#3	1046.	1016.8	1004.9	1013.0	1024.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	800.22	539570.	93950.
Stddev	5.06	1678.	110.
%RSD	.63276	.31103	.11662
#1	804.25	540570.	93852.
#2	801.88	537640.	93930.
#3	794.54	540520.	94069.

Sample Name: SEQ-CCB Acquired: 12/22/2010 11:46:17 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179	Cd2144
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm
Avg	**-.09416**	**1.7208**	**.56709**	**.29104**	**.00192**	**.18852**	**.01120**	**.02928**
Stddev	.15662	1.3806	.97907	.30990	.03604	.06562	.00313	.05512
%RSD	166.35	80.230	172.65	106.48	1880.8	34.809	27.957	188.25
#1	.06957	1.5182	.18595	.59954	.02310	.26019	.01413	.03565
#2	-.10948	3.1914	1.6794	.29382	-.03969	.17399	.01156	-.02875
#3	-.24255	.45266	-.16410	-.02024	.02234	.13138	.00790	.08093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664	Mg2790
Units	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppm
Avg	**.33572**	**.17957**	**-.09676**	**.4538**	**.54372**	**.18023**	**.00907**	**.00233**
Stddev	.02462	.14289	.06076	.3077	.07418	.09879	.00200	.00599
%RSD	7.3330	79.571	62.796	67.81	13.643	54.815	22.009	257.44
#1	.35763	.12308	-.02679	.6413	.46364	.07005	.00786	.00866
#2	.30908	.07357	-.12725	.6214	.55744	.20974	.01137	.00157
#3	.34046	.34206	-.13624	.0986	.61008	.26091	.00797	-.00325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899
Units	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Avg	**.15303**	**.73988**	**.02501**	**-.32469**	**.51943**	**.41114**	**2.3570**	**.70826**
Stddev	.02600	.08837	.00157	.27705	.37094	.38771	.4430	.50060
%RSD	16.992	11.944	6.2632	85.327	71.413	94.301	18.795	70.680
#1	.12586	.82260	.02675	-.20402	.91914	.01119	2.5595	1.2415
#2	.17768	.64678	.02456	-.12844	.18629	.43692	2.6625	.24842
#3	.15554	.75025	.02371	-.64160	.45284	.78533	1.8489	.63485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-CCB Acquired: 12/22/2010 11:46:17 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.2095**	**.18978**	**-.49754**	**.21254**	**.16552**
Stddev	.0585	.14679	.51356	.17014	.14738
%RSD	27.93	77.347	103.22	80.051	89.043
#1	.2744	.07588	.08845	.20339	.25139
#2	.1934	.35544	-.71178	.38708	-.00466
#3	.1607	.13803	-.86929	.04716	.24982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	929.38	576940.	97059.
Stddev	10.71	1868.	134.
%RSD	1.1519	.32368	.13853
#1	937.38	579090.	97193.
#2	933.55	575780.	97061.
#3	917.22	575950.	96924.

Sample Name: 0L21004-BLK1 Acquired: 12/22/2010 11:50:58 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: PBW122110A /4X

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179	Cd2144
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm
Avg	**-.03215**	**4.9262**	**.05925**	**.55195**	**-.02635**	**.14070**	**.01894**	**-.02857**
Stddev	.10588	2.1313	1.2462	.33009	.04292	.05844	.00181	.03765
%RSD	329.32	43.265	2103.4	59.804	162.86	41.537	9.5334	131.80
#1	.05497	3.9199	-1.0434	.17350	-.05439	.20676	.02093	-.04264
#2	-.00144	3.4843	1.4113	.78038	-.04773	.11959	.01849	.01409
#3	-.14999	7.3743	-.19012	.70197	.02306	.09574	.01741	-.05715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664	Mg2790
Units	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppm
Avg	**.23757**	**.02832**	**-.23979**	**.2637**	**.62884**	**.36250**	**.00961**	**.00427**
Stddev	.00277	.02931	.14021	.4476	.10822	1.7893	.00209	.00280
%RSD	1.1668	103.49	58.471	169.7	17.209	493.59	21.716	65.510
#1	.23494	.01351	-.10415	.7546	.59812	-.16443	.01076	.00263
#2	.24047	.06209	-.38416	.1582	.53931	2.3560	.01086	.00750
#3	.23731	.00937	-.23107	-.1217	.74910	-1.1041	.00720	.00263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899
Units	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Avg	**.07224**	**.19215**	**.02223**	**-.32404**	**.13880**	**.03248**	**1.1212**	**.63417**
Stddev	.01917	.06311	.00282	.10858	.49571	.57428	1.3225	.25990
%RSD	26.533	32.846	12.706	33.508	357.13	1768.2	117.96	40.983
#1	.08874	.26408	.02497	-.43050	.70197	.36171	-.39364	.92964
#2	.07675	.16631	.02240	-.32817	-.05416	.36637	1.7113	.53195
#3	.05122	.14605	.01933	-.21346	-.23140	-.63064	2.0459	.44091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: 0L21004-BLK1 Acquired: 12/22/2010 11:50:58 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: PBW122110A /4X

Elem	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.1957**	**.17794**	**.22326**	**.10552**	**.48907**
Stddev	.0740	.06351	.15759	.14467	.04280
%RSD	37.80	35.690	70.589	137.10	8.7523
#1	.2681	.25108	.40018	.07624	.47228
#2	.1987	.14607	.17165	.26259	.45720
#3	.1203	.13669	.09793	-.02227	.53772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	953.09	575970.	97111.
Stddev	2.72	431.	86.
%RSD	.28494	.07475	.08843
#1	950.47	575550.	97108.
#2	952.90	576410.	97027.
#3	955.89	575960.	97198.

Sample Name: 0L21004-BS1 Acquired: 12/22/2010 11:55:40 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: LCSW122110A /4X

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179	Cd2144
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm
Avg	**20.524**	**167.28**	**18.329**	**80.018**	**153.24**	**4.2177**	**2.4203**	**10.166**
Stddev	.111	2.03	1.373	.117	.80	.0219	.0107	.053
%RSD	.54253	1.2165	7.4881	.14648	.52233	.51960	.44237	.52362
#1	20.396	169.58	16.890	80.134	152.70	4.2269	2.4244	10.110
#2	20.592	166.56	19.623	80.022	152.86	4.1927	2.4283	10.216
#3	20.584	165.70	18.474	79.899	154.16	4.2335	2.4081	10.172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664	Mg2790
Units	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppm
Avg	**10.067**	**36.877**	**16.354**	**18.83**	**20.559**	**86.708**	**2.4398**	**2.4034**
Stddev	.051	.242	.153	.48	.087	2.273	.0090	.0167
%RSD	.50912	.65540	.93787	2.544	.42082	2.6209	.36711	.69332
#1	10.013	36.683	16.476	19.34	20.488	86.950	2.4364	2.4075
#2	10.115	36.801	16.182	18.75	20.534	88.851	2.4329	2.4176
#3	10.074	37.148	16.404	18.39	20.655	84.325	2.4499	2.3850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899
Units	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Avg	**44.219**	**74.075**	**2.4580**	**37.895**	**19.924**	**18.186**	**19.998**	**75.002**
Stddev	.180	.299	.0133	.368	.486	.365	1.348	.807
%RSD	.40757	.40305	.53892	.96987	2.4406	2.0088	6.7426	1.0762
#1	44.419	74.083	2.4467	37.846	19.364	17.943	20.470	74.242
#2	44.170	73.773	2.4547	37.555	20.241	18.606	21.048	74.916
#3	44.068	74.370	2.4726	38.285	20.166	18.008	18.478	75.849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: 0L21004-BS1 Acquired: 12/22/2010 11:55:40 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: LCSW122110A /4X

Elem	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb
Avg	**82.54**	**80.557**	**19.761**	**40.212**	**38.710**
Stddev	.07	.266	.382	.212	.118
%RSD	.0868	.32969	1.9316	.52804	.30461
#1	82.47	80.804	19.522	40.374	38.845
#2	82.55	80.592	19.559	40.291	38.624
#3	82.61	80.276	20.201	39.972	38.663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	929.74	579120.	97954.
Stddev	7.34	972.	41.
%RSD	.78960	.16792	.04198
#1	935.05	578770.	97955.
#2	932.81	580220.	97912.
#3	921.37	578370.	97994.

Sample Name: 1012125-01 Acquired: 12/22/2010 12:02:14 Type: Unk
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA /4X

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179	Cd2144
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm
Avg	**-.31116**	**357.93**	**15.649**	**700.82**	**278.38**	**.11453**	**226.03**	**-.00205**
Stddev	.19131	5.91	1.130	3.37	3.21	.03025	1.19	.08119
%RSD	61.483	1.6522	7.2220	.48127	1.1518	26.408	.52774	3961.8
#1	-.10768	363.98	16.433	698.07	276.80	.11360	224.65	.08989
#2	-.48737	357.63	14.353	704.59	276.28	.14524	226.68	-.03213
#3	-.33844	352.17	16.161	699.81	282.07	.08477	226.75	-.06391

Elem	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664	Mg2790
Units	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppm
Avg	**1.9164**	**.62537**	**3.6511**	**2.044**	**1.8784**	**11068.**	**71.613**	**60.903**
Stddev	.0772	.09154	.1350	.094	.0367	51.	.694	.107
%RSD	4.0291	14.637	3.6985	4.610	1.9548	.45642	.96889	.17506
#1	1.9215	.72736	3.6195	1.988	1.9199	11078.	71.099	60.783
#2	1.9909	.55033	3.7991	1.991	1.8504	11013.	71.338	60.941
#3	1.8367	.59844	3.5346	2.153	1.8647	11112.	72.402	60.994

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899
Units	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Avg	**170.97**	**5.0665**	**208.51**	**40.209**	**-1.0300**	**-1.8417**	**1.7070**	**-.32402**
Stddev	1.11	.1309	3.00	.511	1.2205	.5214	.9245	.79797
%RSD	.65026	2.5829	1.4400	1.2702	118.50	28.311	54.158	246.27
#1	170.39	5.1183	208.02	40.018	.36685	-1.7143	2.0356	-1.1189
#2	172.25	5.1634	211.73	39.821	-1.5662	-1.3959	2.4223	.47697
#3	170.26	4.9176	205.78	40.787	-1.8907	-2.4151	.66313	-.33007

Elem	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb
Avg	**4686.**	**6.3100**	**-.99481**	**12.991**	**3.3778**
Stddev	19.	.2450	1.2286	.097	.2700
%RSD	.3955	3.8827	123.51	.74634	7.9936
#1	4665.	6.2094	-1.2063	12.951	3.4596
#2	4691.	6.5893	.32583	12.921	3.0764
#3	4701.	6.1312	-2.1040	13.102	3.5975

Sample Name: 1012125-01 Acquired: 12/22/2010 12:02:14 Type: Unk
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA /4X

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	678.91	488370.	90878.
Stddev	6.03	4112.	363.
%RSD	.88886	.84190	.39982
#1	681.58	490370.	91249.
#2	683.14	483650.	90862.
#3	672.00	491100.	90523.

Sample Name: 1012125-02 Acquired: 12/22/2010 12:07:14 Type: Unk
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA /4X

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179	Cd2144
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm
Avg	**-.41628**	**70.185**	**25.469**	**483.58**	**154.61**	**.05130**	**332.91**	**.19280**
Stddev	.13334	2.195	.758	1.95	.55	.00438	1.53	.02350
%RSD	32.031	3.1273	2.9769	.40252	.35821	8.5400	.46054	12.190
#1	-.26636	72.660	26.262	483.94	155.03	.04766	333.92	.18256
#2	-.46087	69.424	25.395	485.31	153.98	.05616	331.15	.17616
#3	-.52160	68.473	24.751	481.47	154.81	.05008	333.68	.21968

Elem	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664	Mg2790
Units	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppm
Avg	**1.6433**	**.16898**	**.47999**	**2.289**	**1.6565**	**14154.**	**37.849**	**33.262**
Stddev	.0679	.28552	.06571	.402	.0263	174.	.201	.227
%RSD	4.1343	168.96	13.691	17.56	1.5883	1.2270	.53086	.68363
#1	1.6740	-.15301	.53870	1.979	1.6686	14121.	37.796	33.259
#2	1.6905	.39130	.40900	2.743	1.6745	14000.	37.679	33.036
#3	1.5655	.26867	.49227	2.144	1.6263	14343.	38.070	33.491

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899
Units	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Avg	**426.71**	**62.935**	**48.682**	**1.8602**	**-.86066**	**-.46736**	**4.3328**	**-.29177**
Stddev	2.89	.193	.196	.3134	.86336	1.2331	1.7535	.37931
%RSD	.67776	.30685	.40182	16.848	100.31	263.84	40.470	130.01
#1	428.97	63.082	48.781	2.1545	-1.8576	.05627	2.3080	-.50303
#2	427.71	62.716	48.457	1.5307	-.36934	-1.8758	5.3532	-.51843
#3	423.45	63.006	48.808	1.8956	-.35510	.41750	5.3371	.14616

Elem	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1879.**	**1.3870**	**.02632**	**4.2435**	**2.9337**
Stddev	12.	.1324	.45710	.3481	.0190
%RSD	.6426	9.5469	1736.8	8.2040	.64685
#1	1888.	1.2948	-.49597	4.3892	2.9123
#2	1865.	1.5388	.22147	4.4951	2.9482
#3	1883.	1.3275	.35346	3.8462	2.9408

Sample Name: 1012125-02 Acquired: 12/22/2010 12:07:14 Type: Unk
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA /4X

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	716.90	514690.	93079.
Stddev	2.97	1535.	569.
%RSD	.41415	.29827	.61081
#1	719.86	514750.	93147.
#2	716.91	513130.	93611.
#3	713.92	516200.	92480.

Sample Name: 1012125-03 Acquired: 12/22/2010 12:11:54 Type: Unk
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA /4X

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179	Cd2144
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm
Avg	**-.24065**	**363.62**	**14.369**	**681.75**	**278.12**	**.07213**	**226.22**	**.04830**
Stddev	.07304	7.65	1.073	.32	.70	.00853	5.82	.11218
%RSD	30.353	2.1052	7.4645	.04626	.25189	11.831	2.5731	232.25
#1	-.29197	354.79	13.499	681.73	278.92	.06547	228.76	-.07862
#2	-.27294	368.39	14.041	682.07	277.81	.08175	230.35	.13419
#3	-.15702	367.68	15.568	681.44	277.63	.06917	219.57	.08933

Elem	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664	Mg2790
Units	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppm
Avg	**1.9590**	**.53507**	**3.6179**	**1.775**	**1.1423**	**11688.**	**71.106**	**60.815**
Stddev	.0397	.30920	.1390	.540	.1211	43.	.688	.426
%RSD	2.0272	57.787	3.8418	30.45	10.604	.37120	.96824	.69971
#1	1.9370	.84446	3.4840	1.263	1.2277	11642.	70.710	60.345
#2	1.9352	.22606	3.7615	1.722	1.1955	11693.	71.901	61.174
#3	2.0049	.53469	3.6082	2.340	1.0036	11728.	70.707	60.925

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899
Units	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Avg	**171.40**	**5.3953**	**205.57**	**39.411**	**-1.1583**	**-.42741**	**2.8773**	**-.15963**
Stddev	.52	.0781	1.80	.236	.6703	.93445	.2474	.17241
%RSD	.30104	1.4472	.87675	.59864	57.870	218.63	8.5972	107.97
#1	171.04	5.3893	203.49	39.506	-.38462	-.54289	3.0151	-.21752
#2	171.99	5.4763	206.50	39.143	-1.5258	.55941	2.5917	.03425
#3	171.16	5.3205	206.71	39.585	-1.5645	-1.2988	3.0251	-.29577

Elem	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb
Avg	**4612.**	**5.9635**	**.35316**	**12.726**	**2.4426**
Stddev	16.	.2623	.24110	.173	.1870
%RSD	.3382	4.3989	68.270	1.3556	7.6538
#1	4594.	5.6997	.37236	12.916	2.2683
#2	4623.	5.9662	.58408	12.683	2.6400
#3	4620.	6.2244	.10303	12.579	2.4194

Sample Name: 1012125-03 Acquired: 12/22/2010 12:11:54 Type: Unk
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: TETRA /4X

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	693.18	498670.	91139.
Stddev	2.05	40.	596.
%RSD	.29617	.00804	.65383
#1	692.32	498630.	91795.
#2	691.69	498700.	90633.
#3	695.52	498690.	90987.

Sample Name: SEQ-CCV Acquired: 12/22/2010 13:13:34 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 10L0747

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179	Cd2144
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm
Avg	**499.08**	**9631.2**	**1009.4**	**1063.6**	**1002.0**	**1060.8**	**50.933**	**1051.7**
Stddev	2.71	62.8	3.9	10.6	2.3	4.3	.276	1.6
%RSD	.54242	.65245	.38816	.99557	.23354	.40559	.54165	.15666
#1	499.82	9701.0	1004.9	1069.5	1000.1	1065.7	51.184	1053.4
#2	501.35	9579.2	1012.1	1069.8	1004.6	1057.7	50.638	1051.5
#3	496.08	9613.4	1011.1	1051.3	1001.2	1059.1	50.978	1050.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664	Mg2790
Units	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppm
Avg	**1046.5**	**968.19**	**978.69**	**1008.**	**1003.6**	**10119.**	**9.8146**	**49.969**
Stddev	1.7	1.79	5.41	9.	5.9	54.	.0804	.260
%RSD	.16365	.18441	.55247	.9010	.59161	.53820	.81945	.51936
#1	1048.3	966.50	981.35	1015.	1007.2	10136.	9.9075	50.250
#2	1046.3	970.06	982.25	1011.	1006.9	10058.	9.7688	49.738
#3	1044.9	968.02	972.47	997.5	996.79	10162.	9.7677	49.919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899
Units	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Avg	**1028.1**	**1002.1**	**49.459**	**984.73**	**981.12**	**983.73**	**1007.5**	**990.64**
Stddev	8.6	2.1	.364	2.86	2.76	2.41	2.1	2.25
%RSD	.83236	.21178	.73562	.29055	.28132	.24452	.20479	.22741
#1	1032.4	999.86	49.878	983.96	980.79	982.43	1005.3	988.08
#2	1033.7	1004.1	49.271	987.89	984.03	986.50	1007.8	991.50
#3	1018.3	1002.3	49.228	982.33	978.54	982.25	1009.4	992.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Sample Name: SEQ-CCV Acquired: 12/22/2010 13:13:34 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment: 10L0747

Elem	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1044.**	**1009.3**	**993.24**	**1026.0**	**1007.0**
Stddev	6.	5.0	1.61	11.2	.7
%RSD	.6123	.50016	.16223	1.0921	.06905
#1	1051.	1015.1	991.63	1030.9	1006.4
#2	1041.	1005.9	994.85	1034.0	1007.7
#3	1039.	1006.9	993.25	1013.2	1007.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	807.24	537450.	94397.
Stddev	2.88	4248.	471.
%RSD	.35653	.79036	.49877
#1	810.29	535670.	93908.
#2	804.58	534390.	94847.
#3	806.84	542300.	94436.

Sample Name: SEQ-CCB Acquired: 12/22/2010 13:20:40 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2496	Ba2335	Be3130	Ca3179	Cd2144
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppm
Avg	**-.15301**	**.47624**	**.21047**	**.90450**	**-.02609**	**-.00004**	**.00029**	**.01219**
Stddev	.05097	.89932	.66750	.36412	.08511	.00466	.00080	.03512
%RSD	33.313	188.84	317.15	40.257	326.19	12623.	278.51	288.26
#1	-.12090	.13195	-.15676	1.2401	-.10721	.00037	-.00024	-.02018
#2	-.21178	1.4968	-.19278	.95611	.06251	-.00489	-.00010	.04954
#3	-.12635	-.20008	.98095	.51733	-.03358	.00441	.00121	.00720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Cd2288	Co2286	Cr2677	Cu2199	Cu3247	Fe2611	K_7664	Mg2790
Units	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppm
Avg	**.31861**	**.06592**	**-.17930**	**.1288**	**.55655**	**-2.5274**	**.00534**	**-.00408**
Stddev	.06250	.17664	.14358	.2512	.02113	.5483	.00615	.00286
%RSD	19.617	267.97	80.077	195.1	3.7974	21.693	115.14	70.022
#1	.38918	.12606	-.32729	.0387	.56202	-2.8077	.00420	-.00513
#2	.29645	-.13294	-.17002	-.0650	.53322	-2.8788	-.00016	-.00627
#3	.27021	.20464	-.04059	.4125	.57441	-1.8957	.01198	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Sn1899
Units	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb
Avg	**-.04494**	**.78877**	**.00963**	**-.76106**	**.24499**	**.33471**	**2.0716**	**.28512**
Stddev	.04314	.20584	.00157	.10880	.30094	.92892	.5832	.48045
%RSD	95.992	26.096	16.321	14.296	122.84	277.53	28.152	168.50
#1	-.02918	.99395	.00782	-.83503	.06739	1.3782	2.2734	-.05388
#2	-.09374	.79007	.01069	-.63614	.07511	.02788	1.4143	.83496
#3	-.01189	.58229	.01037	-.81202	.59245	-.40198	2.5271	.07424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								
Low Limit								

Sample Name: SEQ-CCB Acquired: 12/22/2010 13:20:40 Type: QC
Method: DuoEnviroMethodNEW(v1915) Mode: CONC Corr. Factor: 1.000000
User: rburr Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4215	Ti3349	Tl1908	V_2924	Zn2062
Units	ppb	ppb	ppb	ppb	ppb
Avg	**.0148**	**.09126**	**-.15492**	**.10779**	**.04408**
Stddev	.0175	.06866	.33808	.23558	.04422
%RSD	118.4	75.237	218.23	218.55	100.30
#1	.0038	.16974	.07054	.17520	.07117
#2	.0055	.06178	-.54364	-.15414	-.00694
#3	.0349	.04227	.00835	.30231	.06802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Sc1880	Sc3613	Sc3613-2
Units	Cts/S	Cts/S	Cts/S
Avg	945.69	573960.	96330.
Stddev	9.01	3337.	44.
%RSD	.95263	.58134	.04558
#1	951.24	570150.	96380.
#2	950.52	576350.	96317.
#3	935.29	575380.	96295.

Mercury

Client:

TETRA

Curve Date: 12/20/2010 Curve age OK

Correlation: 0.99810 Corr. OK

Slope: 0.0121362
Intercept: 0.0005858

RL= 0.20 ug/l for H2O and TCLP
0.033 mg/kg (using 0.30 g) for soils or other
MDL= 0.08 ug/L WATER AND 0.013 mg/Kg SOIL
QC Criteria: Method Blank < 1/2 RL for CORP Samples
LCS = ±20% of True Value
CCB =<MDL

Curve Data			
Analysis Time	Conc.(ug/L)	Pk Height	Cal. ID
11:28:31	0	0.00116	10L0718
11:29:26	0.2	0.00302	10L0719
11:31:05	0.5	0.00696	10L0720
11:33:07	1	0.01349	10L0721
11:35:09	2	0.02425	10L0722
11:37:12	4	0.04585	10L0723
11:39:18	6	0.07564	10L0724

Empirical Laboratories

692

Digestion Date: 12/17/2010
Digestion by: KH
Analysis Date: 12/20/2010
Analyst: KH
Analyst Authorization: KH
Method#: 245.1/7470A for H2O
7471A for soils
Method Type: Cold Vapor
0L17018 **Batch:** 0L17015 0L17016 0L17017
SEQ: 0L35509

Concentration (ug/L) = (Peak Height - intercept)/slope * dilution
Conversion for soils from concentration (ug/L) to mg/kg (wet weight) = concentration (ug/L) * final volume (mL)/initial weight (g) * 1L/1000mL * 1000g/1kg * 1g/1000mg

Lab. #	Client	Waste Description	T.V. (ug/L) (mg/kg)	Analysis Time HH:MM (Military)	Matrix Type	Digestion		Analysis		Dilution	Peak Height	[Hg] ug/L	[Hg] mg/kg	Recovery %	Control Limits		RPD	Method
						Initial Sample Volume	Final Sample Volume (mL)	Initial Sample Volume (mL)	Final Sample Volume (mL)						Low Limit %	High Limit %		
SEQ-CAL1	QC	10L0718		11:28:31	H2O	30.00	30.0	30.0	30.0	1.00	0.00116	0.04743						7470A
SEQ-CAL2	QC	10L0719		11:29:26	H2O	30.00	30.0	30.0	30.0	1.00	0.00302	0.20054						7470A
SEQ-CAL3	QC	10L0720		11:31:05	H2O	30.00	30.0	30.0	30.0	1.00	0.00696	0.52483						7470A
SEQ-CAL4	QC	10L0721		11:33:07	H2O	30.00	30.0	30.0	30.0	1.00	0.01349	1.06297						7470A
SEQ-CAL5	QC	10L0722		11:35:09	H2O	30.00	30.0	30.0	30.0	1.00	0.02425	1.95024						7470A
SEQ-CAL6	QC	10L0723		11:37:12	H2O	30.00	30.0	30.0	30.0	1.00	0.04585	3.72996						7470A
SEQ-CAL7	QC	10L0724		11:39:18	H2O	30.00	30.0	30.0	30.0	1.00	0.07564	6.18403						7470A
SEQ-ICV	QC	10L0726	4.0000	11:48:25	H2O	30.00	30.0	30.0	30.0	1.00	0.05255	4.28170		107.04	90.0	110.0		7470A
SEQ-ICB	QC	DI H2O		11:49:39	H2O	30.00	30.0	30.0	30.0	1.00	0.00116	0.04751						7470A
SEQ-CRL	QC	10L0719	0.2000	11:51:40	H2O	30.00	30.0	30.0	30.0	1.00	0.00339	0.23137		115.69	70.0	130.0		7470A
0L17015-BS1	QC	10E0064	2.0000	11:53:42	H2O	30.00	30.0	30.0	30.0	1.00	0.02558	2.05915		102.96	80.0	120.0		7470A
0L17015-BLK1	QC	DI H2O		11:54:59	H2O	30.00	30.0	30.0	30.0	1.00	0.00124	0.05385						7470A
1012036-15				11:57:03	H2O	30.00	30.0	30.0	30.0	1.00	0.00117	0.04794						7470A
1012036-16				11:59:08	H2O	30.00	30.0	30.0	30.0	1.00	0.00124	0.05422						7470A
1012036-28				12:00:28	H2O	30.00	30.0	30.0	30.0	1.00	0.00115	0.04657						7470A
1012036-29				12:02:31	H2O	30.00	30.0	30.0	30.0	1.00	0.00125	0.05484						7470A
1012055-02				12:04:29	H2O	30.00	30.0	30.0	30.0	1.00	0.00130	0.05864						7470A
1012055-03				12:05:42	H2O	30.00	30.0	30.0	30.0	1.00	0.00118	0.04910						7470A
1012055-07				12:07:41	H2O	30.00	30.0	30.0	30.0	1.00	0.00121	0.05168						7470A
SEQ-CCV	QC	10L0723	4.0000	12:09:42	H2O	30.00	30.0	30.0	30.0	1.00	0.04980	4.05495		101.37	85.0	115.0		7470A
SEQ-CCB	QC	DI H2O		12:10:56	H2O	30.00	30.0	30.0	30.0	1.00	0.00121	0.05133						7470A
1012055-08				12:14:07	H2O	30.00	30.0	30.0	30.0	1.00	0.00124	0.05429						7470A
1012055-09				12:15:24	H2O	30.00	30.0	30.0	30.0	1.00	0.00132	0.06040						7470A
1012055-10				12:17:27	H2O	30.00	30.0	30.0	30.0	1.00	0.00121	0.05177						7470A
1012060-10				12:19:31	H2O	30.00	30.0	30.0	30.0	1.00	0.00125	0.05436						7470A
1012060-11				12:20:48	H2O	30.00	30.0	30.0	30.0	1.00	0.00115	0.04635						7470A
0L17015-MS1		10E0064	2.0000	12:22:50	H2O	30.00	30.0	30.0	30.0	1.00	0.02491	2.00466		100.23	80.0	120.0	5.15	7470A
0L17015-MSD1		10E0064	2.0000	12:24:55	H2O	30.00	30.0	30.0	30.0	1.00	0.02620	2.11064		105.53	80.0	120.0		7470A
1012060-13				12:26:14	H2O	30.00	30.0	30.0	30.0	1.00	0.00117	0.04817						7470A
1012060-14				12:28:20	H2O	30.00	30.0	30.0	30.0	1.00	0.00130	0.05902						7470A
1012060-15				12:30:22	H2O	30.00	30.0	30.0	30.0	1.00	0.00123	0.05349						7470A

CTO154OURI_002

Lab. #	Client	Waste Description	T.V. (ug/L) (mg/kg)	Analysis Time HH:MM (Military)	Matrix Type	Digestion Initial Sample Volume	Digestion Final Sample Volume (mL)	Analysis Initial Sample Volume (mL)	Analysis Final Sample Volume (mL)	Dilution	Peak Height	[Hg] ug/L	[Hg] mg/kg	Recovery %	Control Limits Low Limit %	Control Limits High Limit %	RPD	Method
SEQ-CCV	QC	10L0723	4.0000	12:31:34	H2O	30.00	30.0	30.0	30.0	1.00	0.05038	4.10307		102.58	85.0	115.0		7470A
SEQ-CCB	QC	DI H2O		12:33:33	H2O	30.00	30.0	30.0	30.0	1.00	0.00124	0.05419						7470A
1012060-16				12:35:32	H2O	30.00	30.0	30.0	30.0	1.00	0.00116	0.04697						7470A
1012060-17				12:36:47	H2O	30.00	30.0	30.0	30.0	1.00	0.00110	0.04276						7470A
1012060-18				12:38:48	H2O	30.00	30.0	30.0	30.0	1.00	0.00120	0.05042						7470A
1012060-19				12:40:48	H2O	30.00	30.0	30.0	30.0	1.00	0.00124	0.05429						7470A
1012060-20				12:42:02	H2O	30.00	30.0	30.0	30.0	1.00	0.00124	0.05361						7470A
0L17016-BS1	QC	10E0064	2.0000	12:44:05	H2O	30.00	30.0	30.0	30.0	1.00	0.02018	1.61474		80.74	80.0	120.0		7470A
0L17016-BLK1	QC	DI H2O		12:46:07	H2O	30.00	30.0	30.0	30.0	1.00	0.00120	0.05066						7470A
1012060-21				12:47:24	H2O	30.00	30.0	30.0	30.0	1.00	0.00116	0.04691						7470A
1012060-22				12:49:27	H2O	30.00	30.0	30.0	30.0	1.00	0.00126	0.05561						7470A
1012060-23				12:51:30	H2O	30.00	30.0	30.0	30.0	1.00	0.00128	0.05746						7470A
SEQ-CCV	QC	10L0722	2.0000	12:52:48	H2O	30.00	30.0	30.0	30.0	1.00	0.02437	1.95981		97.99	85.0	115.0		7470A
SEQ-CCB	QC	DI H2O		12:54:52	H2O	30.00	30.0	30.0	30.0	1.00	0.00130	0.05919						7470A
1012060-24				12:56:57	H2O	30.00	30.0	30.0	30.0	1.00	0.00135	0.06323						7470A
1012060-25				12:58:13	H2O	30.00	30.0	30.0	30.0	1.00	0.00130	0.05877						7470A
0L17016-MS1		10E0064	2.0000	13:00:11	H2O	30.00	30.0	30.0	30.0	1.00	0.02569	2.06818		103.41	80.0	120.0	1.26	7470A
0L17016-MSD1		10E0064	2.0000	13:02:10	H2O	30.00	30.0	30.0	30.0	1.00	0.02601	2.09449		104.72	80.0	120.0		7470A
1012060-26				13:03:23	H2O	30.00	30.0	30.0	30.0	1.00	0.00116	0.04712						7470A
1012060-27				13:05:23	H2O	30.00	30.0	30.0	30.0	1.00	0.00117	0.04847						7470A
1012118-01	TETRA			13:07:22	H2O	30.00	30.0	30.0	30.0	1.00	0.00112	0.04365						7470A
1012118-02	TETRA			13:08:37	H2O	30.00	30.0	30.0	30.0	1.00	0.00112	0.04421						7470A
1012118-03	TETRA			13:10:38	H2O	30.00	30.0	30.0	30.0	1.00	0.00104	0.03768						7470A
1012118-04	TETRA			13:12:40	H2O	30.00	30.0	30.0	30.0	1.00	0.00147	0.07293						7470A
SEQ-CCV	QC	10L0722	2.0000	13:13:57	H2O	30.00	30.0	30.0	30.0	1.00	0.02488	2.00211		100.11	85.0	115.0		7470A
SEQ-CCB	QC	DI H2O		13:19:46	H2O	30.00	30.0	30.0	30.0	1.00	0.00133	0.06118						7470A
1012118-05	TETRA			13:21:02	H2O	30.00	30.0	30.0	30.0	1.00	0.00112	0.04391						7470A
1012118-06	TETRA			13:23:06	H2O	30.00	30.0	30.0	30.0	1.00	0.00113	0.04457						7470A
1012118-07	TETRA			13:25:09	H2O	30.00	30.0	30.0	30.0	1.00	0.00108	0.04093						7470A
1012118-08	TETRA			13:26:29	H2O	30.00	30.0	30.0	30.0	1.00	0.00109	0.04118						7470A
1012118-09	TETRA			13:28:29	H2O	30.00	30.0	30.0	30.0	1.00	0.00119	0.04940						7470A
1012118-10	TETRA			13:30:27	H2O	30.00	30.0	30.0	30.0	1.00	0.00116	0.04734						7470A
1012125-01	TETRA			13:31:40	H2O	30.00	30.0	30.0	30.0	1.00	0.00116	0.04721						7470A
1012125-02	TETRA			13:33:39	H2O	30.00	30.0	30.0	30.0	1.00	0.00114	0.04585						7470A
1012125-03	TETRA			13:35:38	H2O	30.00	30.0	30.0	30.0	1.00	0.00117	0.04844						7470A
0L17016-MS2	TETRA	10E0064	2.0000	13:36:53	H2O	30.00	30.0	30.0	30.0	1.00	0.02431	1.95443		97.72	80.0	120.0	6.1	7470A
SEQ-CCV	QC	10L0723	4.0000	13:38:54	H2O	30.00	30.0	30.0	30.0	1.00	0.05250	4.27747		106.94	85.0	115.0		7470A
SEQ-CCB	QC	DI H2O		13:40:55	H2O	30.00	30.0	30.0	30.0	1.00	0.00126	0.05580						7470A
0L17016-MSD2	TETRA	10E0064	2.0000	13:42:09	H2O	30.00	30.0	30.0	30.0	1.00	0.02580	2.07736		103.87	80.0	120.0		7470A
0L17017-BS1	QC	10E0064	2.0000	13:44:11	H2O	30.00	30.0	30.0	30.0	1.00	0.02532	2.03793		101.90	80.0	120.0		7470A
0L17017-BLK1	QC	DI H2O		13:46:14	H2O	30.00	30.0	30.0	30.0	1.00	0.00124	0.05372						7470A
1012134-01	TETRA			13:47:31	H2O	30.00	30.0	30.0	30.0	1.00	0.00130	0.05848						7470A
1012134-02	TETRA			13:49:34	H2O	30.00	30.0	30.0	30.0	1.00	0.00100	0.03379						7470A
1012134-03	TETRA			13:51:38	H2O	30.00	30.0	30.0	30.0	1.00	0.00145	0.07121						7470A
1012134-04	TETRA			13:52:57	H2O	30.00	30.0	30.0	30.0	1.00	0.00115	0.04613						7470A
1012134-05	TETRA			13:54:58	H2O	30.00	30.0	30.0	30.0	1.00	0.00088	0.02463						7470A
1012134-06	TETRA			13:56:56	H2O	30.00	30.0	30.0	30.0	1.00	0.00082	0.01920						7470A
1012134-07	TETRA			13:58:08	H2O	30.00	30.0	30.0	30.0	1.00	0.00085	0.02208						7470A
SEQ-CCV	QC	10L0723	4.0000	14:00:06	H2O	30.00	30.0	30.0	30.0	1.00	0.05376	4.38111		109.53	85.0	115.0		7470A
SEQ-CCB	QC	DI H2O		14:02:05	H2O	30.00	30.0	30.0	30.0	1.00	0.00135	0.06308						7470A
1012134-08	TETRA			14:03:18	H2O	30.00	30.0	30.0	30.0	1.00	0.00165	0.08781						7470A
1012134-09	TETRA			14:05:19	H2O	30.00	30.0	30.0	30.0	1.00	0.00138	0.06528						7470A

Lab. #	Client	Waste Description	T.V. (ug/L) (mg/kg)	Analysis Time HH:MM (Military)	Matrix Type	Digestion		Analysis		Dilution	Peak Height	[Hg] ug/L	[Hg] mg/kg	Recovery %	Control Limits		RPD	Method
						Initial Sample Volume	Final Sample Volume (mL)	Initial Sample Volume (mL)	Final Sample Volume (mL)						Low Limit %	High Limit %		
1012134-10	TETRA			14:07:21	H2O	30.00	30.0	30.0	30.0	1.00	0.00117	0.04829						7470A
0L17017-MS1	TETRA	10E0064	2.0000	14:08:36	H2O	30.00	30.0	30.0	30.0	1.00	0.02140	1.71478		85.74	80.0	120.0	4.33	7470A
0L17017-MSD1	TETRA	10E0064	2.0000	14:10:37	H2O	30.00	30.0	30.0	30.0	1.00	0.02232	1.79068		89.53	80.0	120.0		7470A
0L17018-BS1	QC	10E0064	2.0000	14:12:39	H2O	30.00	30.0	30.0	30.0	1.00	0.02481	1.99609		99.80	80.0	120.0		7470A
0L17018-BLK1	QC	DI H2O		14:13:55	H2O	30.00	30.0	30.0	30.0	1.00	0.00113	0.04517						7470A
1012114-02				14:15:58	H2O	30.00	30.0	30.0	30.0	1.00	0.00127	0.05667						7470A
0L17018-MS1		10E0064	2.0000	14:18:01	H2O	30.00	30.0	30.0	30.0	1.00	0.02630	2.11873		105.94	80.0	120.0	0.0109	7470A
0L17018-MSD1		10E0064	2.0000	14:19:15	H2O	30.00	30.0	30.0	30.0	1.00	0.02630	2.11896		105.95	80.0	120.0		7470A
SEQ-CCV	QC	10L0722	2.0000	14:21:14	H2O	30.00	30.0	30.0	30.0	1.00	0.02608	2.10099		105.05	85.0	115.0		7470A
SEQ-CCB	QC	DI H2O		14:23:13	H2O	30.00	30.0	30.0	30.0	1.00	0.00132	0.06035						7470A
1012147-08				14:24:25	H2O	30.00	30.0	30.0	30.0	1.00	0.00154	0.07845						7470A
SEQ-CRL	QC	10L0719	0.2000	14:47:07	H2O	30.00	30.0	30.0	30.0	1.00	0.00342	0.23368		116.84	70.0	130.0		7470A
SEQ-CCV	QC	10L0722	2.0000	14:48:20	H2O	30.00	30.0	30.0	30.0	1.00	0.02651	2.13621		106.81	85.0	115.0		7470A
SEQ-CCB	QC	DI H2O		14:50:20	H2O	30.00	30.0	30.0	30.0	1.00	0.00135	0.06317						7470A

BS1: 0.3mls of 10E0064 diluted to 30mls DI H2O final volume.
BLK1: 30mls of DI H2O final volume.

PREPARATION BENCH SHEET

0L17016

Empirical Laboratories, LLC

Printed: 1/4/2011 10:46:45AM

695

Matrix: Water **Prepared using: METALS - pMercury-W SW 7470A** **(No Surrogate)**

Lab Number	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
0L17016-BLK1	QC	12/17/2010 13:50	30	30					
0L17016-BS1	QC	12/17/2010 13:50	30	30	10E0064		300		
0L17016-MS1	QC	12/17/2010 13:50	30	30	10E0064	1012060-25	300		
0L17016-MS2	QC	12/17/2010 13:50	30	30	10E0064	1012125-03	300		
0L17016-MSD1	QC	12/17/2010 13:50	30	30	10E0064	1012060-25	300		
0L17016-MSD2	QC	12/17/2010 13:50	30	30	10E0064	1012125-03	300		
1012060-21	MET_7470_MERCURY	12/17/2010 13:50	30	30					
1012060-22	MET_7470_MERCURY	12/17/2010 13:50	30	30					
1012060-23	MET_7470_DIS_MERCURY	12/17/2010 13:50	30	30					FIELD FILTERED AND PRESERVED
1012060-24	MET_7470_DIS_MERCURY	12/17/2010 13:50	30	30					FIELD FILTERED AND PRESERVED
1012060-25	MET_7470_DIS_MERCURY	12/17/2010 13:50	30	30					FIELD FILTERED AND PRESERVED
1012060-25	MET_7470_MERCURY	12/17/2010 13:50	30	30					Added for BatchQC in: 0L17016
1012060-26	MET_7470_DIS_MERCURY	12/17/2010 13:50	30	30					FIELD FILTERED AND PRESERVED
1012060-27	MET_7470_DIS_MERCURY	12/17/2010 13:50	30	30					Filter and Preserve in house using Extractions
1012118-01	MET_7470_MERCURY	12/17/2010 13:50	30	30					
1012118-02	MET_7470_MERCURY	12/17/2010 13:50	30	30					
1012118-03	MET_7470_MERCURY	12/17/2010 13:50	30	30					
1012118-04	MET_7470_MERCURY	12/17/2010 13:50	30	30					
1012118-05	MET_7470_MERCURY	12/17/2010 13:50	30	30					
1012118-06	MET_7470_MERCURY	12/17/2010 13:50	30	30					
1012118-07	MET_7470_MERCURY	12/17/2010 13:50	30	30					
1012118-08	MET_7470_MERCURY	12/17/2010 13:50	30	30					
1012118-09	MET_7470_MERCURY	12/17/2010 13:50	30	30					

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTO154OURI_002

PREPARATION BENCH SHEET

0L17016

Empirical Laboratories, LLC

Printed: 1/4/2011 10:46:45AM

696

Matrix: Water **Prepared using: METALS - pMercury-W SW 7470A** **(No Surrogate)**

Lab Number	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1012118-10	MET_7470_MERCURY	12/17/2010 13:50	30	30					
1012125-01	MET_7470_MERCURY	12/17/2010 13:50	30	30					
1012125-02	MET_7470_MERCURY	12/17/2010 13:50	30	30					
1012125-03	MET_7470_DIS_MERCURY	12/17/2010 13:50	30	30					Added for BatchQC in: 0L17016
1012125-03	MET_7470_MERCURY	12/17/2010 13:50	30	30					

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTO154OURI_002

PREPARATION BENCH SHEET

0L21004

Empirical Laboratories, LLC

Printed: 12/28/2010 3:07:58PM

Matrix: Water **Prepared using: METALS - MET_3005A_LOW** **(No Surrogate)**

Lab Number	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
0L21004-BLK1	QC	12/21/2010 08:43	100	25					
0L21004-BS1	QC	12/21/2010 08:43	100	25	10L0185		2000		
0L21004-DUP1	QC	12/21/2010 08:43	100	25		1012087-06			
0L21004-DUP2	QC	12/21/2010 08:43	100	25		1012162-04			
0L21004-MS1	QC	12/21/2010 08:43	100	25	10L0201	1012087-06	25		
0L21004-MS2	QC	12/21/2010 08:43	100	25	10L0201	1012162-04	25		
0L21004-MSD1	QC	12/21/2010 08:43	100	25	10L0201	1012087-06	25		
0L21004-MSD2	QC	12/21/2010 08:43	100	25	10L0201	1012162-04	25		
0L21004-PS1	QC	12/21/2010 08:43	100	25	10L0201	1012087-06	25		
0L21004-PS2	QC	12/21/2010 08:43	100	25	10L0201	1012162-04	25		
1012087-01	MET_ICP_LOW6010B_FULL	12/21/2010 08:43	100	25					see version MS/Dup
1012087-02	MET_ICP_LOW6010B_FULL	12/21/2010 08:43	100	25					see version MS/Dup
1012087-03	MET_ICP_LOW6010B_FULL	12/21/2010 08:43	100	25					see version MS/Dup
1012087-04	MET_ICP_LOW6010B_FULL	12/21/2010 08:43	100	25					see version MS/Dup
1012087-05	MET_ICP_LOW6010B_FULL	12/21/2010 08:43	100	25					see version MS/Dup
1012087-06	MET_ICP_LOW6010B_FULL	12/21/2010 08:43	100	25					MS/MSD, see versions
1012087-06	MET_ICP_LOW6010B_TAL	12/21/2010 08:43	100	25					Added for BatchQC in: 0L21004
1012087-06	MET_ICP_LOW6010C_FULL	12/21/2010 08:43	100	25					Added for BatchQC in: 0L21004
1012087-08	MET_ICP_LOW6010B_FULL	12/21/2010 08:43	100	25					see version MS/Dup
1012125-01	MET_ICP_LOW6010C_FULL	12/21/2010 08:43	100	25					TAL plus Mo
1012125-02	MET_ICP_LOW6010C_FULL	12/21/2010 08:43	100	25					TAL plus Mo
1012125-03	MET_ICP_LOW6010C_FULL	12/21/2010 08:43	100	25					TAL plus Mo
1012162-02	MET_ICP_LOW6010B_TAL	12/21/2010 08:43	100	25					

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

697

CTO154OURI_002

PREPARATION BENCH SHEET

0L21004

Empirical Laboratories, LLC

Printed: 12/28/2010 3:07:58PM

698

Matrix: Water **Prepared using: METALS - MET_3005A_LOW** **(No Surrogate)**

Lab Number	Test Code	Prepared	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	ul Surrogate	Extraction Comments
1012162-02RE1	MET_ICP_LOW6010B_TAL	12/21/2010 08:43	100	25					Added 12/22/2010 by RGB
1012162-03	MET_ICP_LOW6010B_TAL	12/21/2010 08:43	100	25					
1012162-04	MET_ICP_LOW6010B_FULL	12/21/2010 08:43	100	25					Added for BatchQC in: 0L21004
1012162-04	MET_ICP_LOW6010B_TAL	12/21/2010 08:43	100	25					MS/MSD
1012162-04	MET_ICP_LOW6010C_FULL	12/21/2010 08:43	100	25					Added for BatchQC in: 0L21004
1012162-05	MET_ICP_LOW6010B_TAL	12/21/2010 08:43	100	25					
1012162-06	MET_ICP_LOW6010B_TAL	12/21/2010 08:43	100	25					

Spiking Witnessed By Date

Preparation Reviewed By Date

Extracts Received By Date

CTO154OURI_002