

Alpha Analytical
Laboratory Code: 11148
SDG Number: L1013017

Project Name: TAYLORS LANE
Project Number: 213733

Lab Number: L1013017
Report Date: 09/02/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Report Submission

This report replaces the report issued August 31, 2010. The Client ID has been changed on L1013017-01.

Sample Receipt

The element list for the metals analysis was specified by the client.

The analyses of BOD, Total Suspended Solids and Total Dissolved Solids were performed using updated methodology, as authorized by the client.

Semivolatile Organics

The WG429159-2 LCS recovery, associated with L1013017-01, was above the acceptance criteria for 2,4-Dinitrotoluene (97%); however, the associated sample was non-detect for this target compound. The results of the original analysis are reported.

Project Name: TAYLORS LANE
Project Number: 213733

Lab Number: L1013017
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Case Narrative (continued)

The WG429159-2/-3 LCS/LCSD RPDs, associated with L1013017-01, are above the acceptance criteria for 1,2,4-Trichlorobenzene (43%), 1,2-Dichlorobenzene (38%), and 1,4-Dichlorobenzene (40%); however, the individual LCS/LCSD recoveries are within method limits.

PCBs

The surrogate recovery for L1013017-01 is below the individual acceptance criteria for Decachlorobiphenyl (24%), but within the overall method allowances.

Pesticides

L1013017-01: The Continuing Calibration criteria was not met for the confirmatory column; however, the sample was non-detect for the target analytes that failed criteria. Therefore, no further actions were taken.

Metals

The WG429467-4 MS recovery for Iron (0%), performed on L1013017-01, is invalid because the sample concentration is greater than four times the spike amount added.

The WG429675-4 MS recovery, performed on L1013017-01, is below the acceptance criteria for Antimony (75%). A post digestion spike was performed with an acceptable recovery of 111%.

The WG429467-3 Laboratory Duplicate RPD, performed on L1013017-01, is above the acceptance criteria for Arsenic (31%); however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

Solids, Total Suspended

L1013017-01 has an elevated detection limit due to the dilution required by the elevated concentration present in the sample.

Chemical Oxygen Demand

L1013017-01 has an elevated detection limit due to the dilution required by the sample matrix.

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Case Narrative (continued)

BOD, 5 Day

L1013017-01 was set at the correct dilution for BOD analysis according to prep screening; however, not enough depletion occurred. Therefore, the sample is reported as "non-detect" at an elevated detection limit. Due to the expiration of the method required holding time, re-analysis could not be performed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Elizabeth Simmons

Title: Technical Director/Representative

Date: 09/02/10

Table 1 **List of Organic Method Qualifiers**

Qualifier (Q)	Description
B	Entered if the analyte is found in the associated blank as well as the sample.
C	Applied to pesticide results when the identification has been confirmed by GC/MS.
D	Included when the all identified compounds in the analysis are at the secondary dilution factor.
E	Identified compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value, may indicate one of the following, depending on the situation: (1) The reported value is estimated and below the MDL. (2) Used when estimating a concentration for TIC where a 1:1 response is assumed or when the result indicates the presence of a compound that meets the identification criteria, but the results is less than the quantitation limit, but greater than zero. (3) QC associated with this analyte is within warning limits.
N	Included for TIC that indicate presumptive evidence of a compound.
U	Entered if the analyte was analyzed for, but not detected.
P	Used for a pesticide/Aroclor target analyte when the concentration difference between 2 GC columns is greater than 25%; the lower value is flagged with a "P".
EMPC	"Estimated Maximum Possible Concentration" – The amount of analyte cannot be accurately quantified, so a maximum concentration has been estimated for the compound.
"XYZ"	"Wildcard" or Laboratory defined qualifier.

Note: Form I allows only one character in each qualifier column. If multiple qualifiers are applicable, please assess qualifier priority in the following order: U, E, J, B, D, C, P, N. Reporting done in the EDD may include multiple qualifiers when applicable, separated by a single space.

(Information obtained from NYSDEC ASP Exhibit B, 7/2005, page 64)

List of Inorganic Method Qualifiers

Table 2

Qualifier	Column (1)	Description
Concentration qualifiers		
B	C	Entered if the reported value was less than the CRDL, but greater than the IDL.
U	C	Entered if the analyte was analyzed for, but not detected.
J	C	Entered if the reported value is estimated and below the MDL.
*	C	Duplicate precision exceeds RPD limit.
M	C	Replicate precision exceeds RPD limit.
"XYZ"	C	"Wildcard" or Laboratory defined qualifier.
Qualifier specific entries		
E	Q	Entered if the reported value is estimated because of the presence of interferences.
Method qualifiers		
A	M	Flame atomic absorption
AS	M	Semi-automated spectrophotometric
AV	M	Automated cold vapor atomic absorption
C	M	Manual spectrophotometric
F	M	Furnace atomic absorption
MS	M	Mass spectrometry (ICP-MS)
NR	M	Analyte is not required to be analyzed
P	M	Inductively coupled plasma (ICP)
" "	M	No data have been entered

(1) The term "Column" is used to indicate under which column heading in the reporting forms that the qualifier will be found under.

Note: Form I allows only one character in each qualifier column. If multiple qualifiers are applicable to column C, please assess qualifier priority in the following order: U, J, B. Reporting done in the EDD may include multiple qualifiers when applicable, separated by a single space.

(Information obtained from NYSDEC ASP Exhibit B, 7/2005, page 65)

Volatile Organics Instruments

Volatile Organics: Jack

Instrument: Agilent 5975MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: EST Encon
Autosampler: EST Centurion
Purge time: 11 min

Column Type: RTX-VMS
Column Length: 20 Meters
df: 1.00um
ID: 0.18mm
Desorb: 2 min

Volatile Organics: Quimby

Instrument: Agilent 5973MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: EST Encon
Autosampler: EST Centurion
Purge time: 11 min

Column Type: RTX-VMS
Column Length: 20 Meters
df: 1.00um
ID: 0.18mm
Desorb: 2 min

Volatile Organics: Curly

Instrument: Agilent 5972 MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: Tekmar 3000
Autosampler: Archon
Purge time: 11 min

Column Type: Restek RTX-502.2
Column Length: 40 Meters
df: 1.00 um
ID: 0.18 mm
Desorb: 2 min

Volatile Organics: Elaine

Instrument: Agilent 5973 MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: Teledyne Velocity
Autosampler: Teledyne Solatek
Purge time: 11 min

Column Type: Restek RTX-502.2
Column Length: 40 Meters
df: 1.00 um
ID: 0.18 mm
Desorb: 2 min

Volatile Organics: Laurel

Instrument: Agilent 5972 MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: Encon
Autosampler: EST 8100
Purge time: 11 min

Column Type: Restek RTX-502.2
Column Length: 40 Meters
df: 1.00 um
ID: 0.18 mm
Desorb: 2 min

Volatile Organics: Newman

Instrument: Agilent 5973 MSD
Trap: Supelco K Trap (VOACARB 3000)
Concentrator: Encon
Autosampler: EST 8100
Purge time: 11 min

Column Type: Restek RTX-502.2
Column Length: 40 Meters
df: 1.00 um
ID: 0.18 mm
Desorb: 2 min

Volatile Organics: VPH

Instrument: Agilent 6890

Concentrator: Tekmar 2016

Autosampler: Tekmar 3100

Column Type: Restek RTX 502.2

Column Length: 105 Meters

df: 3.00 μ m

ID: 0.53 mm

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instrument: Agilent 6890 GC / 5975 MSD

Column Type: Restek RTX-1

Column Length: 60 Meters

Concentrator: Entech 7100A

df: 1.00 μ m

Autosampler: Entech 7016CA

ID: 0.52 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material

Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD

Injection volume: 1 μ l

Column Type: Restek RXI-5SILMS

df: 0.25 μ m

Column Length: 30 Meters

ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD

Injection volume: 1 μ l

Column Type: Restek RTX-5MS

df: 0.25 μ m

Column Length: 30 Meters

ID: 0.25 mm

Pesticides/PCB

Instrument: Agilent 6890 w/Dual Micro ECDs

Injection Volume: 1 μ L

Column Type: Restek RTX-CL (primary)

df: 0.32

Column: Restek RTX-CLPPesticide II (confirmation)

df: 0.25

Column Length: 30 Meters

ID: 0.32 mm

Herbicides

Instrument: Agilent 6890 w/Dual Micro ECDs

Injection Volume: 1 μ L

Column Type: Restek RTX-1701 (primary)

df: 0.25

Column Type: Restek RTX-5 (confirmation)

df: 0.25

Column Length: 30 Meters

ID: 0.32 mm

Petro9

Instrument: Agilent 6890 w/FID
Column: Restek RTX 5
Column Length: 30 Meters
ID: 0.32 mm

Injection Volume: 1uL
df: 0.25

Petro 7

Instrument: HP 5890 w FID
Column: restek rtx 5
Column length: 30 meters
ID: 0.32

Injection volume: 1uL
df: 0.25

EPH

Instrument: Agilent 6890N w/FID
Column: Restek RTX 5
Column Length: 30 Meters
ID: 0.32 mm

Injection Volume: 1uL
df: 0.25

Perchlorate 332/6860

Instrument: Dionex GS Gradient Pump, AS50 Autosampler, LC30
Chromatography Oven, EG50 Eluent Generator and CD50 Conductivity Detector
coupled with Applied Biosystems API2000 LC/MS/MS
Injection Volume: 100 uL
Column: Dionex IonPac AG16 2x50mm (guard) and Dionex IonPac AS16
2x250mm (analytical)



Sample Delivery Group Form

Laboratory Job number: L1013017

Client Account: Woodard & Curran

Received: 08/23/2010 20:15

Samples Delivered by: COURIER

Call Tracker # 31748

Bill Of Laden N/A

Trackingnum

Coc Present Present

Container Status Intact

Sample IDs

All Containers Accounted For? Yes

Were Extra Samples Received? No

Do Sample Labels and COC agree? Yes

Are Samples in Appropriate Containers? Yes

Are Samples Received within Holding time? Yes

pH of Samples upon Receipt <2,7

Are samples Properly Preserved? Yes

Initial pH preserved in house with

Final pH

Other Issues

Chlorine Check N/A

Are VOA/VPH Vials Present? Yes

Aqueous: Do Vials Contain Head Space? No

Soils: Is MeOH Covering the Soil? N/A

Reagent H2O Preserved vials Frozen on N/A

Frozen by Client N/A

Cooler

Seal

Ice Present

Blue Ice Present

Temp. (Celsius)

Frozen upon Receipt

Delivered Direct from Site

A

Absent

Yes

No

4.0 - Temp. Blank

No

No



Sample Delivery Group Form

Cooler	Seal	Ice Present	Blue Ice Present	Temp. (Celsius)	Frozen upon Receipt	Delivered Direct from Site
B	Absent	Yes	No	2.5 - Temp. Blank	No	No

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Sep 07 2010, 10:48 am

Login Number: L1013017

Account: WOODARD-NY Woodard & Curran Project: 213733

Received: 23AUG10 Due Date: 30AUG10
Mat PR Collected Container

Sample #	Client ID	Received: 23AUG10 Mat PR Collected	Due Date: 30AUG10 Container
L1013017-01	WC-001 PZ-B	1 S0 23AUG10 10:49	7-Amber-A1, 2-Amber-B1, 1-Plastic-A.5, 2-Plastic-A1, 1-Plastic-C.5, 1-Plastic-D.5, 3-V
PCB: Extract 1200mLs to achieve NY TOGS-GA criteria. ASP-B Package Due Date: 08/31/10			
ASP-B, BOD-5210, COD-410, HERB-APA, HEXCR-7196, NYTCL-8081, NYTCL-8082, NYTCL-8260, NYTCL-8270/8270SIM, NYTCL-8270, NYTCL-8270-SIM, NYTOGS-TAL, AG-TI, AL-TI, AS-TI, BA-TI, BE-6020T, CA-TI, CD-TI, CO-TI, CR-TI, CU-TI, FE-TI, HG-T, K-TI, MG-TI, MN-TI, NA-TI, NI-TI, PB-TI, PREPT, SB-6020T, SE-TI, TL-6020T, V-TI, ZN-TI, OG-1664, TDS- 2540, TSS-2540			
L1013017-02	WC-002 TRIP BLANK	1 S0 23AUG10 00:00	2-Vial-B
Package Due Date: 08/31/10			
NYTCL-8260			



CHAIN OF CUSTODY

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WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Woodard and Curran
Address: 709 Westchester Ave. Suite L2
White Plains, NY 10604
Phone: 800-807-4080
Fax: 914-448-0147
Email: lrusso@woodardcurran.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Taylor's Lane
Project Location: Mamaroneck, NY
Project #: 213783
Project Manager: Low Russo
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 8/30/10 Time:

Other Project Specific Requirements/Comments/Detection Limits:

Date Rec'd in Lab: 8/23/10

ALPHA Job #: 21013017

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☒ ADEX ☐ Add'l. Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: NYSDEC Criteria: ASP Level B

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS											TOTAL # BOTTLES
		Date	Time			VOCs 8260	SVOCs 8270	PCBs 8082	Pesticides 8081	Herbicides	COD 410.4	BOD 405.1, Hexchrom 7196	OG 1664	TDS 160.1	TSS 160.2	Metals 6010, Mercury 7060	
<u>13017.1</u>	<u>WC-001 P2-B</u>	<u>8/23/10</u>	<u>10:49</u>	<u>GW</u>	<u>CP</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>17</u>
<u>2</u>	<u>WC-002 Trip Blank</u>			<u>X 1</u>		<u>✓</u>											<u>2</u>

SAMPLE HANDLING

Filtration _____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

Container Type	V	A	A	A	A	P	P	A	P	P	P	P	P	P	P	P	P
Preservative	B	A	A	A	A	D	A	B	A	A	C						

Relinquished By: [Signature]

Date/Time: 8/23/10 3:25

Received By: [Signature]

Date/Time: 8/23/10 7:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Organics

Volatiles Data

Volatiles QC Summary

2A

Lab Name: Alpha Analytical Labs

SDG No. : L1013017

Matrix: Water

[illegible]

SMC1 (TOL) = TOLUENE-D8
SMC2 (BFB) = 4-BROMOFLUOROBENZENE
SMC3 (DCA) = 1,2-DICHLOROETHANE-D4
SMC4 (DBFM) = DIBROMOFLUOROMETHANE

QC LIMITS

* Values outside of QC limits

3A
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample - Client Sample No.: WG429522-1LCS

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
Chlorobenzene	10	NA	10.	104	75-130
Benzene	10	NA	11.	106	76-127
Toluene	10	NA	10.	104	76-125
1,1,-Dichloroethene	10	NA	9.8	99	61-145
Trichloroethene	10	NA	10.	103	71-120

Lab Control Sample Duplicate: WG429522-2LCSD

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS RPD	REC.
Chlorobenzene	10	11.	107	3	20	75-130
Benzene	10	11.	110	4	20	76-127
Toluene	10	11.	108	4	20	76-125

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8260

3A
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER VOLATILE

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample Duplicate - Client Sample No.: WG429522-1LCS WG429522-2LCSD

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS	
=====	=====	=====	=====	=====	RPD	REC.
1,1, -Dichloroethene	10	11.	107	8	20	61-145
Trichloroethene	10	11.	108	5	20	71-120

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8260

SAMPLE NO.

WG429522-3BLANK

Lab Name: Alpha Analytical Labs

SDG No. : L1013017

Lab File ID: 0825A04

Lab Sample ID: WG429522-3

Date Analyzed: 08/25/10

Time Analyzed: 10:04

Instrument ID: ELAINE.I

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

[illegible]

COMMENTS: _____

8A

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Lab File ID (Standard): 0825A02_ccal

Date Analyzed: 25-AUG-2010

Instrument ID : Elaine.i

Time Analyzed: 08:55

[illegible]

IS1 (FLB) = FLOUROBENZENE
IS2 (CBZ) = CHLORO BENZENE-D5
IS3 (DCB) = 1, 4-DICHLORO BENZENE-D4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50 % of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

* Values outside of QC limits.

Limit of Detection Study

Alpha Analytical, Inc.
Westborough, MA

Approved

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Tech: PD
Date: 1/5-6/2009
Instrument ID: Elaine

Method: EPA 8260B

2009

GC/MS

Volatile Organics

Liquid

	Compounds	MDL*	Top of LOD Range	Concentration Run at	Results Verified	Comments
		ug/L	ug/L	ug/L		
1	1,4-dichloro-2-butane	0.109	0.437	0.25	Verified - RA	1/6/2009
2	1,3-Dichloropropane	0.139	0.556	0.25	Verified - RA	1/6/2009
3	cis-1,3-Dichloropropene	0.144	0.574	0.25	Verified - RA	1/6/2009
4	Acrylonitrile	0.153	0.612	0.25	Verified - RA	1/6/2009
5	1,1,1-Trichloroethane	0.158	0.632	0.25	Verified - RA	1/6/2009
6	1,2-Dichloroethane	0.160	0.638	0.25	Verified - RA	1/6/2009
7	Methyl-tert-butyl ether	0.160	0.640	0.25	Verified - RA	1/6/2009
8	trans-1,3-Dichloropropene	0.164	0.657	0.25	Verified - RA	1/6/2009
9	Carbon tetrachloride	0.165	0.661	0.25	Verified - RA	1/6/2009
10	1,1,1,2-Tetrachloroethane	0.165	0.661	0.25	Verified - RA	1/6/2009
11	trans-1,4-dichloro-2-butanone	0.173	0.693	0.25	Verified - RA	1/6/2009
12	n-Propylbenzene	0.173	0.694	0.25	Verified - RA	1/6/2009
13	Trichloroethene	0.175	0.698	0.25	Verified - RA	1/6/2009
14	sec-Butylbenzene	0.181	0.723	0.25	Verified - RA	1/6/2009
15	1,1-Dichloroethene	0.181	0.724	0.25	Verified - RA	1/6/2009
16	Tetrachloroethene	0.181	0.725	0.25	Verified - RA	1/6/2009
17	2-Chlorotoluene	0.182	0.729	0.25	Verified - RA	1/6/2009
18	1,2-Dichlorobenzene	0.184	0.735	0.25	Verified - RA	1/6/2009
19	Bromobenzene	0.184	0.735	0.25	Verified - RA	1/6/2009
20	4-Chlorotoluene	0.185	0.739	0.25	Verified - RA	1/6/2009
21	1,3-Dichlorobenzene	0.186	0.745	0.25	Verified - RA	1/6/2009
22	cis-1,2-Dichloroethene	0.187	0.746	0.25	Verified - RA	1/6/2009
23	Isopropylbenzene	0.187	0.748	0.25	Verified - RA	1/6/2009
24	p-Isopropyltoluene	0.188	0.754	0.25	Verified - RA	1/6/2009
25	Chlorodibromomethane	0.189	0.758	0.25	Verified - RA	1/6/2009
26	1,1,2,2-Tetrachloroethane	0.192	0.766	0.25	Verified - RA	1/6/2009
27	Bromodichloromethane	0.192	0.770	0.25	Verified - RA	1/6/2009
28	Chlorobenzene	0.192	0.770	0.25	Verified - RA	1/6/2009
29	1,2-Dibromoethane	0.193	0.772	0.25	Verified - RA	1/6/2009
30	Benzene	0.194	0.776	0.25	Verified - RA	1/6/2009
31	n-Butylbenzene	0.196	0.785	0.25	Verified - RA	1/6/2009
32	Chloroform	0.198	0.791	0.25	Verified - RA	1/6/2009
33	Ethyl ether	0.205	0.818	0.25	Verified - RA	1/6/2009
34	1,3,5-Trimethylbenzene	0.211	0.842	0.25	Verified - RA	1/6/2009
35	trans-1,2-Dichloroethene	0.211	0.843	0.25	Verified - RA	1/6/2009
36	1,4-Dichlorobenzene	0.215	0.860	0.25	Verified - RA	1/6/2009
37	1,1-Dichloroethane	0.216	0.863	0.25	Verified - RA	1/6/2009
38	Naphthalene	0.217	0.870	0.25	Verified - RA	1/6/2009
39	1,2,4-Trichlorobenzene	0.220	0.879	0.25	Verified - RA	1/6/2009
40	Vinyl chloride	0.224	0.896	0.25	Verified - RA	1/6/2009
41	Toluene	0.227	0.908	0.25	Verified - RA	1/6/2009
42	Carbon disulfide	0.230	0.919	0.25	Verified - RA	1/6/2009
43	Hexachlorobutadiene	0.230	0.921	0.25	Verified - RA	1/6/2009

Limit of Detection Study

Alpha Analytical, Inc.
Westborough, MA

Approved

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Tech: PD
Date: 1/5-6/2009
Instrument ID: Elaine

Method: EPA 8260B

2009

GC/MS

Volatile Organics

Liquid

	Compounds	MDL*	Top of LOD Range	Concentration Run at	Results Verified	Comments
		ug/L	ug/L	ug/L		
44	Chloroethane	0.233	0.934	0.25	Verified - RA	1/6/2009
45	1,2,3-Trichlorobenzene	0.234	0.935	0.25	Verified - RA	1/6/2009
46	Bromoform	0.248	0.991	0.25	Verified - RA	1/6/2009
47	1,1-Dichloropropene	0.256	1.024	0.50	Verified - RA	1/5/2009
48	Bromomethane	0.256	1.025	0.50	Verified - RA	1/5/2009
49	4,-Methy-2-pentane	0.259	1.036	0.50	Verified - RA	1/5/2009
50	1,1,2-Trichloroethane	0.261	1.046	0.50	Verified - RA	1/5/2009
51	Ethyl benzene	0.265	1.060	0.50	Verified - RA	1/5/2009
52	Trichlorofluoromethane	0.267	1.067	0.50	Verified - RA	1/5/2009
53	1,2,4-Trimethylbenzene	0.268	1.071	0.50	Verified - RA	1/5/2009
54	Chloromethane	0.281	1.126	0.50	Verified - RA	1/5/2009
55	Dibromomethane	0.285	1.141	0.50	Verified - RA	1/5/2009
56	1,2-Dibromo-3-chloropropane	0.286	1.144	0.50	Verified - RA	1/5/2009
57	1,2-Dichloropropane	0.296	1.183	0.50	Verified - RA	1/5/2009
58	Dichlorodifluoromethane	0.300	1.200	0.50	Verified - RA	1/5/2009
59	tert-Butylbenzene	0.302	1.206	0.50	Verified - RA	1/5/2009
60	Vinyl acetate	0.311	1.244	0.50	Verified - RA	1/5/2009
61	Bromochloromethane	0.329	1.318	0.50	Verified - RA	1/5/2009
62	o-Xylene	0.330	1.319	0.50	Verified - RA	1/5/2009
63	p/m-Xylene	0.348	1.391	0.50	Verified - RA	1/5/2009
64	Styrene	0.359	1.436	0.50	Verified - RA	1/5/2009
65	2,2-Dichloropropane	0.397	1.590	0.50	Verified - RA	1/5/2009
66	1,2,3-Trichloropropane	0.428	1.710	0.50	Verified - RA	1/5/2009
67	Ethyl methacrylate	0.432	1.727	0.50	Verified - RA	1/5/2009
68	Methylene chloride	0.539	2.157	2.0	Verified - RA	1/5/2009
69	2-Hexanone	0.578	2.313	2.0	Verified - RA	1/5/2009
70	Tetrahydrofuran	1.299	5.197	2.0	Verified - RA	1/5/2009
71	Acetone	1.561	6.243	2.0	Verified - RA	1/5/2009
72	2-Butanone	1.939	7.754	2.0	Verified - RA	1/5/2009
MCP Compounds						
1	Diisopropyl Ether	0.165	0.661	0.25	Verified - RA	1/6/2009
2	Ethyl-Tert-Butyl-Ether	0.460	1.839	0.50	Verified - RA	1/5/2009
3	Tertiary-Amyl Methyl Ether	0.382	1.529	0.50	Verified - RA	1/5/2009
4	1,4-Dioxane	75.706	302.823	100.0	Verified - RA	1/5/2009
Additional Compounds						
1	Freon -113	0.234	0.935	0.25	Verified - RA	1/6/2009
2	Tert-Butyl Alcohol	0.625	2.502	2.0	Verified - RA	1/5/2009
3	2-Chloroethylvinyl ether	0.156	0.626	0.25	Verified - RA	1/6/2009

Comments: * Flanders 2006, Elaine & Quimby Con1/2 -2007,
Jack Con1/2-2008 - Highest MDL

Volatiles Sample Data

1A
VOLATILE ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RTX-502.2

Matrix: (soil/water) WATER

Lab Sample ID: L1013017-01

Sample wt/vol: 10.0 (g/mL) ml

Lab File ID: 0825A10

Level: (low/med) LOW

Date Received: 08/23/10

%Solids: N/A

Date Analyzed: 08/25/10 13:32

Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONC. UNITS: ug/L Result	RL	MDL	Q
75-09-2-----	Methylene chloride	ND	5.0	--	U
75-34-3-----	1,1-Dichloroethane	ND	0.75	--	U
67-66-3-----	Chloroform	ND	0.75	--	U
56-23-5-----	Carbon tetrachloride	ND	0.50	--	U
78-87-5-----	1,2-Dichloropropane	ND	1.8	--	U
124-48-1-----	Dibromochloromethane	ND	0.50	--	U
79-00-5-----	1,1,2-Trichloroethane	ND	0.75	--	U
127-18-4-----	Tetrachloroethene	ND	0.50	--	U
108-90-7-----	Chlorobenzene	ND	0.50	--	U
75-69-4-----	Trichlorofluoromethane	ND	2.5	--	U
107-06-2-----	1,2-Dichloroethane	ND	0.50	--	U
71-55-6-----	1,1,1-Trichloroethane	ND	0.50	--	U
75-27-4-----	Bromodichloromethane	ND	0.50	--	U
10061-02-6-----	trans-1,3-Dichloropropene	ND	0.50	--	U
10061-01-5-----	cis-1,3-Dichloropropene	ND	0.50	--	U
563-58-6-----	1,1-Dichloropropene	ND	2.5	--	U
75-25-2-----	Bromoform	ND	2.0	--	U
79-34-5-----	1,1,2,2-Tetrachloroethane	ND	0.50	--	U
71-43-2-----	Benzene	ND	0.50	--	U
108-88-3-----	Toluene	ND	0.75	--	U
100-41-4-----	Ethylbenzene	ND	0.50	--	U
74-87-3-----	Chloromethane	ND	2.5	--	U
74-83-9-----	Bromomethane	ND	1.0	--	U
75-01-4-----	Vinyl chloride	ND	1.0	--	U
75-00-3-----	Chloroethane	ND	1.0	--	U
75-35-4-----	1,1-Dichloroethene	ND	0.50	--	U
156-60-5-----	trans-1,2-Dichloroethene	ND	0.75	--	U
79-01-6-----	Trichloroethene	ND	0.50	--	U
95-50-1-----	1,2-Dichlorobenzene	ND	2.5	--	U
541-73-1-----	1,3-Dichlorobenzene	ND	2.5	--	U
106-46-7-----	1,4-Dichlorobenzene	ND	2.5	--	U
1634-04-4-----	Methyl tert butyl ether	ND	1.0	--	U
106-42-3/108-38-3	p/m-Xylene	ND	1.0	--	U
95-47-6-----	o-Xylene	ND	1.0	--	U
156-59-2-----	cis-1,2-Dichloroethene	ND	0.50	--	U

FORM I NYTCL-8260

1A
VOLATILE ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RTX-502.2

Matrix: (soil/water) WATER

Lab Sample ID: L1013017-01

Sample wt/vol: 10.0 (g/mL) ml

Lab File ID: 0825A10

Level: (low/med) LOW

Date Received: 08/23/10

%Solids: N/A

Date Analyzed: 08/25/10 13:32

Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONC. UNITS: ug/L Result	RL	MDL	Q
74-95-3	Dibromomethane	ND	5.0	--	U
96-18-4	1,2,3-Trichloropropane	ND	5.0	--	UU
107-13-1	Acrylonitrile	ND	5.0	--	UU
100-42-5	Styrene	ND	1.0	--	UU
75-71-8	Dichlorodifluoromethane	ND	5.0	--	UU
67-64-1	Acetone	ND	5.0	--	UU
75-15-0	Carbon disulfide	ND	5.0	--	UU
78-93-3	2-Butanone	ND	5.0	--	UU
108-05-4	Vinyl acetate	ND	5.0	--	UU
108-10-1	4-Methyl-2-pentanone	ND	5.0	--	UU
591-78-6	2-Hexanone	ND	5.0	--	UU
74-97-5	Bromochloromethane	ND	2.5	--	UU
594-20-7	2,2-Dichloropropane	ND	2.5	--	UU
106-93-4	1,2-Dibromoethane	ND	2.0	--	UU
142-28-9	1,3-Dichloropropane	ND	2.5	--	UU
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	--	UU
108-86-1	Bromobenzene	ND	2.5	--	UU
104-51-8	n-Butylbenzene	ND	0.50	--	UU
135-98-8	sec-Butylbenzene	ND	0.50	--	UU
98-06-6	tert-Butylbenzene	ND	2.5	--	UU
95-49-8	o-Chlorotoluene	ND	2.5	--	UU
106-43-4	p-Chlorotoluene	ND	2.5	--	UU
96-12-8	1,2-Dibromo-3-chloropropan	ND	2.5	--	UU
87-68-3	Hexachlorobutadiene	ND	0.60	--	UU
98-82-8	Isopropylbenzene	ND	0.50	--	UU
99-87-6	p-Isopropyltoluene	ND	0.50	--	UU
91-20-3	Naphthalene	ND	2.5	--	UU
103-65-1	n-Propylbenzene	ND	0.50	--	UU
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	--	UU
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	--	UU
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	--	UU
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	--	UU
105-05-5	1,4-Diethylbenzene	ND	2.0	--	UU
622-96-8	4-Ethyltoluene	ND	2.0	--	UU
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	--	U

FORM I NYTCL-8260

1A
VOLATILE ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RTX-502.2

Matrix: (soil/water) WATER

Lab Sample ID: L1013017-01

Sample wt/vol: 10.0 (g/mL) ml

Lab File ID: 0825A10

Level: (low/med) LOW

Date Received: 08/23/10

%Solids: N/A

Date Analyzed: 08/25/10 13:32

Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONC. UNITS: ug/L		RL	MDL	Q
		Result				
60-29-7-----	Ethyl ether	ND		2.5	--	U
110-57-6-----	trans-1,4-Dichloro-2-buten	ND		2.5	--	U

FORM I NYTCL-8260

1A
VOLATILE ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-002 TRIP BLA NK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RTX-502.2

Matrix: (soil/water) WATER

Lab Sample ID: L1013017-02

Sample wt/vol: 10.0 (g/mL) ml

Lab File ID: 0825A11

Level: (low/med) LOW

Date Received: 08/23/10

%Solids: N/A

Date Analyzed: 08/25/10 14:07

Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONC. UNITS: ug/L		RL	MDL	Q
		Result				
75-09-2-----	Methylene chloride	ND		5.0	--	U
75-34-3-----	1,1-Dichloroethane	ND		0.75	--	U
67-66-3-----	Chloroform	ND		0.75	--	U
56-23-5-----	Carbon tetrachloride	ND		0.50	--	U
78-87-5-----	1,2-Dichloropropane	ND		1.8	--	U
124-48-1-----	Dibromochloromethane	ND		0.50	--	U
79-00-5-----	1,1,2-Trichloroethane	ND		0.75	--	U
127-18-4-----	Tetrachloroethene	ND		0.50	--	U
108-90-7-----	Chlorobenzene	ND		0.50	--	U
75-69-4-----	Trichlorofluoromethane	ND		2.5	--	U
107-06-2-----	1,2-Dichloroethane	ND		0.50	--	U
71-55-6-----	1,1,1-Trichloroethane	ND		0.50	--	U
75-27-4-----	Bromodichloromethane	ND		0.50	--	U
10061-02-6-----	trans-1,3-Dichloropropene	ND		0.50	--	U
10061-01-5-----	cis-1,3-Dichloropropene	ND		0.50	--	U
563-58-6-----	1,1-Dichloropropene	ND		2.5	--	U
75-25-2-----	Bromoform	ND		2.0	--	U
79-34-5-----	1,1,2,2-Tetrachloroethane	ND		0.50	--	U
71-43-2-----	Benzene	ND		0.50	--	U
108-88-3-----	Toluene	ND		0.75	--	U
100-41-4-----	Ethylbenzene	ND		0.50	--	U
74-87-3-----	Chloromethane	ND		2.5	--	U
74-83-9-----	Bromomethane	ND		1.0	--	U
75-01-4-----	Vinyl chloride	ND		1.0	--	U
75-00-3-----	Chloroethane	ND		1.0	--	U
75-35-4-----	1,1-Dichloroethene	ND		0.50	--	U
156-60-5-----	trans-1,2-Dichloroethene	ND		0.75	--	U
79-01-6-----	Trichloroethene	ND		0.50	--	U
95-50-1-----	1,2-Dichlorobenzene	ND		2.5	--	U
541-73-1-----	1,3-Dichlorobenzene	ND		2.5	--	U
106-46-7-----	1,4-Dichlorobenzene	ND		2.5	--	U
1634-04-4-----	Methyl tert butyl ether	ND		1.0	--	U
106-42-3/108-38-3	p/m-Xylene	ND		1.0	--	U
95-47-6-----	o-Xylene	ND		1.0	--	U
156-59-2-----	cis-1,2-Dichloroethene	ND		0.50	--	U

FORM I NYTCL-8260

1A
VOLATILE ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-002 TRIP BLA NK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RTX-502.2

Matrix: (soil/water) WATER

Lab Sample ID: L1013017-02

Sample wt/vol: 10.0 (g/mL) ml

Lab File ID: 0825A11

Level: (low/med) LOW

Date Received: 08/23/10

%Solids: N/A

Date Analyzed: 08/25/10 14:07

Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONC. UNITS: ug/L		RL	MDL	Q
		Result				
74-95-3	Dibromomethane	ND		5.0	--	U
96-18-4	1,2,3-Trichloropropane	ND		5.0	--	UU
107-13-1	Acrylonitrile	ND		5.0	--	UU
100-42-5	Styrene	ND		1.0	--	UU
75-71-8	Dichlorodifluoromethane	ND		5.0	--	UU
67-64-1	Acetone	ND		5.0	--	UU
75-15-0	Carbon disulfide	ND		5.0	--	UU
78-93-3	2-Butanone	ND		5.0	--	UU
108-05-4	Vinyl acetate	ND		5.0	--	UU
108-10-1	4-Methyl-2-pentanone	ND		5.0	--	UU
591-78-6	2-Hexanone	ND		5.0	--	UU
74-97-5	Bromochloromethane	ND		2.5	--	UU
594-20-7	2,2-Dichloropropane	ND		2.5	--	UU
106-93-4	1,2-Dibromoethane	ND		2.0	--	UU
142-28-9	1,3-Dichloropropane	ND		2.5	--	UU
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	--	UU
108-86-1	Bromobenzene	ND		2.5	--	UU
104-51-8	n-Butylbenzene	ND		0.50	--	UU
135-98-8	sec-Butylbenzene	ND		0.50	--	UU
98-06-6	tert-Butylbenzene	ND		2.5	--	UU
95-49-8	o-Chlorotoluene	ND		2.5	--	UU
106-43-4	p-Chlorotoluene	ND		2.5	--	UU
96-12-8	1,2-Dibromo-3-chloropropan	ND		2.5	--	UU
87-68-3	Hexachlorobutadiene	ND		0.60	--	UU
98-82-8	Isopropylbenzene	ND		0.50	--	UU
99-87-6	p-Isopropyltoluene	ND		0.50	--	UU
91-20-3	Naphthalene	ND		2.5	--	UU
103-65-1	n-Propylbenzene	ND		0.50	--	UU
87-61-6	1,2,3-Trichlorobenzene	ND		2.5	--	UU
120-82-1	1,2,4-Trichlorobenzene	ND		2.5	--	UU
108-67-8	1,3,5-Trimethylbenzene	ND		2.5	--	UU
95-63-6	1,2,4-Trimethylbenzene	ND		2.5	--	UU
105-05-5	1,4-Diethylbenzene	ND		2.0	--	UU
622-96-8	4-Ethyltoluene	ND		2.0	--	UU
95-93-2	1,2,4,5-Tetramethylbenzene	ND		2.0	--	U

FORM I NYTCL-8260

1A
VOLATILE ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-002 TRIP BLA NK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RTX-502.2

Matrix: (soil/water) WATER

Lab Sample ID: L1013017-02

Sample wt/vol: 10.0 (g/mL) ml

Lab File ID: 0825A11

Level: (low/med) LOW

Date Received: 08/23/10

%Solids: N/A

Date Analyzed: 08/25/10 14:07

Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONC. UNITS: ug/L		RL	MDL	Q
		Result				
60-29-7-----	Ethyl ether	ND		2.5	--	U
110-57-6-----	trans-1,4-Dichloro-2-buten	ND		2.5	--	U

FORM I NYTCL-8260

1A
VOLATILE ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429522-3BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RTX-502.2

Matrix: (soil/water) WATER

Lab Sample ID: WG429522-3

Sample wt/vol: 10.0 (g/mL) ml

Lab File ID: 0825A04

Level: (low/med) LOW

Date Received:

%Solids: N/A

Date Analyzed: 08/25/10 10:04

Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONC. UNITS: ug/L Result	RL	MDL	Q
75-09-2	Methylene chloride	ND	5.0	--	U
75-34-3	1,1-Dichloroethane	ND	0.75	--	U
67-66-3	Chloroform	ND	0.75	--	U
56-23-5	Carbon tetrachloride	ND	0.50	--	U
78-87-5	1,2-Dichloropropane	ND	1.8	--	U
124-48-1	Dibromochloromethane	ND	0.50	--	U
79-00-5	1,1,2-Trichloroethane	ND	0.75	--	U
127-18-4	Tetrachloroethene	ND	0.50	--	U
108-90-7	Chlorobenzene	ND	0.50	--	U
75-69-4	Trichlorofluoromethane	ND	2.5	--	U
107-06-2	1,2-Dichloroethane	ND	0.50	--	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	--	U
75-27-4	Bromodichloromethane	ND	0.50	--	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	--	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	--	U
563-58-6	1,1-Dichloropropene	ND	2.5	--	U
75-25-2	Bromoform	ND	2.0	--	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	--	U
71-43-2	Benzene	ND	0.50	--	U
108-88-3	Toluene	ND	0.75	--	U
100-41-4	Ethylbenzene	ND	0.50	--	U
74-87-3	Chloromethane	ND	2.5	--	U
74-83-9	Bromomethane	ND	1.0	--	U
75-01-4	Vinyl chloride	ND	1.0	--	U
75-00-3	Chloroethane	ND	1.0	--	U
75-35-4	1,1-Dichloroethene	ND	0.50	--	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	--	U
79-01-6	Trichloroethene	ND	0.50	--	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	--	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	--	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	--	U
1634-04-4	Methyl tert butyl ether	ND	1.0	--	U
106-42-3/108-38-3	p/m-Xylene	ND	1.0	--	U
95-47-6	o-Xylene	ND	1.0	--	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	--	U

FORM I NYTCL-8260

1A
VOLATILE ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429522-3BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RTX-502.2

Matrix: (soil/water) WATER

Lab Sample ID: WG429522-3

Sample wt/vol: 10.0 (g/mL) ml

Lab File ID: 0825A04

Level: (low/med) LOW

Date Received:

%Solids: N/A

Date Analyzed: 08/25/10 10:04

Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONC. UNITS: ug/L Result	RL	MDL	Q
74-95-3	Dibromomethane	ND	5.0	--	U
96-18-4	1,2,3-Trichloropropane	ND	5.0	--	UU
107-13-1	Acrylonitrile	ND	5.0	--	UU
100-42-5	Styrene	ND	1.0	--	UU
75-71-8	Dichlorodifluoromethane	ND	5.0	--	UU
67-64-1	Acetone	ND	5.0	--	UU
75-15-0	Carbon disulfide	ND	5.0	--	UU
78-93-3	2-Butanone	ND	5.0	--	UU
108-05-4	Vinyl acetate	ND	5.0	--	UU
108-10-1	4-Methyl-2-pentanone	ND	5.0	--	UU
591-78-6	2-Hexanone	ND	5.0	--	UU
74-97-5	Bromochloromethane	ND	2.5	--	UU
594-20-7	2,2-Dichloropropane	ND	2.5	--	UU
106-93-4	1,2-Dibromoethane	ND	2.0	--	UU
142-28-9	1,3-Dichloropropane	ND	2.5	--	UU
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.50	--	UU
108-86-1	Bromobenzene	ND	2.5	--	UU
104-51-8	n-Butylbenzene	ND	0.50	--	UU
135-98-8	sec-Butylbenzene	ND	0.50	--	UU
98-06-6	tert-Butylbenzene	ND	2.5	--	UU
95-49-8	o-Chlorotoluene	ND	2.5	--	UU
106-43-4	p-Chlorotoluene	ND	2.5	--	UU
96-12-8	1,2-Dibromo-3-chloropropan	ND	2.5	--	UU
87-68-3	Hexachlorobutadiene	ND	0.60	--	UU
98-82-8	Isopropylbenzene	ND	0.50	--	UU
99-87-6	p-Isopropyltoluene	ND	0.50	--	UU
91-20-3	Naphthalene	ND	2.5	--	UU
103-65-1	n-Propylbenzene	ND	0.50	--	UU
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	--	UU
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	--	UU
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	--	UU
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	--	UU
105-05-5	1,4-Diethylbenzene	ND	2.0	--	UU
622-96-8	4-Ethyltoluene	ND	2.0	--	UU
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	--	U

FORM I NYTCL-8260

1A
VOLATILE ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429522-3BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RTX-502.2

Matrix: (soil/water) WATER

Lab Sample ID: WG429522-3

Sample wt/vol: 10.0 (g/mL) ml

Lab File ID: 0825A04

Level: (low/med) LOW

Date Received:

%Solids: N/A

Date Analyzed: 08/25/10 10:04

Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONC. UNITS: ug/L		RL	MDL	Q
		Result				
60-29-7-----	Ethyl ether	ND		2.5	--	U
110-57-6-----	trans-1,4-Dichloro-2-buten	ND		2.5	--	U

FORM I NYTCL-8260

1A
VOLATILE ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429522-3BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RTX-502.2

Matrix: (soil/water) WATER

Lab Sample ID: WG429522-3

Sample wt/vol: 10.0 (g/mL) mL

Lab File ID: 0825A04

Level: (low/med) LOW

Date Received:

%Solids: N/A

Date Analyzed: 08/25/10 10:04

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS: ug/L

Number TICS found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. _____	NO TENTATIVELY IDENTIFIED CO			
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
12. _____				
13. _____				
14. _____				
15. _____				
16. _____				
17. _____				
18. _____				
19. _____				
20. _____				
21. _____				
22. _____				
23. _____				
24. _____				
25. _____				
26. _____				
27. _____				
28. _____				
29. _____				
30. _____				
31. _____				
32. _____				
33. _____				
34. _____				

FORM I NYTCL-8260-TIC

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\0825A10.D

Lab Smp Id:

Inj Date : 25-AUG-2010 13:32

Operator : PD

Inst ID: Elaine.i

Smp Info : L1013017-01,31,10

Misc Info : wg429522,ical5258

Comment :

Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m

Meth Date : 25-Aug-2010 13:32 pduczmalew Quant Type: ISTD

Cal Date : 25-AUG-2010 09:30

Cal File: 0825A03.D

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: 8260nytcl.sub

Target Version: 4.12

Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS						CONCENTRATIONS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE		ON-COLUMN (ngs)	FINAL (ngs)	
=====	=====	=====	=====	=====	=====		=====	=====	=====
1 dichlorodifluoromethane	85	Compound Not Detected.							
2 chloromethane	50	Compound Not Detected.							
3 vinyl chloride	62	Compound Not Detected.							
4 bromomethane	94	Compound Not Detected.							
5 chloroethane	64	Compound Not Detected.							
6 trichlorofluoromethane	101	Compound Not Detected.							
7 ethyl ether	74	Compound Not Detected.							
9 acetone	43	Compound Not Detected.							
10 1,1,-dichloroethene	96	Compound Not Detected.							
13 methylene chloride	84	Compound Not Detected.							
14 carbon disulfide	76	Compound Not Detected.							
15 acrylonitrile	53	Compound Not Detected.							
16 methyl tert butyl ether	73	6.315	6.315	(0.639)	10047		6.27180	6.271(a)	
18 trans-1,2-dichloroethene	96	Compound Not Detected.							
21 vinyl acetate	43	Compound Not Detected.							
22 1,1-dichloroethane	63	Compound Not Detected.							
24 2-butanone	43	Compound Not Detected.							
25 2,2-dichloropropane	77	Compound Not Detected.							
27 cis-1,2-dichloroethene	96	Compound Not Detected.							
28 chloroform	83	8.300	8.300	(0.840)	7039		6.60995	6.609(a)	
29 bromochloromethane	128	Compound Not Detected.							
\$ 31 dibromofluoromethane	113	8.624	8.624	(0.873)	51684		98.5192	98.519	
33 1,1,1-trichloroethane	97	Compound Not Detected.							
35 1,1-dichloropropene	75	Compound Not Detected.							
36 carbontetrachloride	117	Compound Not Detected.							
\$ 38 1,2-dichloroethane-d4	65	9.373	9.374	(0.949)	65868		111.978	111.978	
39 1,2-dichloroethane	62	Compound Not Detected.							
40 benzene	78	Compound Not Detected.							

Compounds	QUANT	SIG						CONCENTRATIONS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ngs)	FINAL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 41 flourobenzene	96		9.880	9.880	(1.000)		240794	100.000		
42 trichloroethene	95						Compound Not Detected.			
44 1,2-dichloropropane	63						Compound Not Detected.			
45 bromodichloromethane	83						Compound Not Detected.			
47 dibromomethane	93						Compound Not Detected.			
49 4-methyl-2-pentanone	58						Compound Not Detected.			
51 cis-1,3-dichloropropene	75						Compound Not Detected.			
\$ 52 toluene-d8	98		12.411	12.411	(0.829)		224782	101.593	101.593	
53 toluene	92						Compound Not Detected.			
54 ethyl-methacrylate	69						Compound Not Detected.			
55 trans-1,3-dichloropropene	75						Compound Not Detected.			
56 1,1,2-trichloroethane	83						Compound Not Detected.			
57 2-hexanone	43						Compound Not Detected.			
58 1,3-dichloropropane	76						Compound Not Detected.			
59 tetrachloroethene	166						Compound Not Detected.			
60 chlorodibromomethane	129						Compound Not Detected.			
61 1,2-dibromoethane	107						Compound Not Detected.			
* 62 chlorobenzene-d5	117		14.963	14.963	(1.000)		166268	100.000		
63 chlorobenzene	112						Compound Not Detected.			
64 1,1,1,2-tetrachloroethane	131						Compound Not Detected.			
65 ethyl benzene	91						Compound Not Detected.			
66 p/m xylene	106						Compound Not Detected.			
67 o xylene	106						Compound Not Detected.			
68 styrene	104						Compound Not Detected.			
69 isopropylbenzene	105						Compound Not Detected.			
70 bromoform	173						Compound Not Detected.			
71 1,4-dichloro-2-butane	55						Compound Not Detected.			
72 1,1,2,2,-tetrachloroethane	83						Compound Not Detected.			
\$ 73 4-bromofluorobenzene	95		17.089	17.090	(0.888)		85280	107.750	107.750	
74 1,2,3-trichloropropane	75						Compound Not Detected.			
75 trans-1,4-dichloro-2-butene	53						Compound Not Detected.			
76 n-propylbenzene	91						Compound Not Detected.			
77 bromobenzene	156						Compound Not Detected.			
78 4-ethyltoluene	105						Compound Not Detected.			
79 1,3,5-trimethylbenzene	105						Compound Not Detected.			
80 2-chlorotoluene	91						Compound Not Detected.			
81 4-chorotoluene	91						Compound Not Detected.			
82 tert-butylbenzene	119						Compound Not Detected.			
83 1,2,4-trimethylbenzene	105						Compound Not Detected.			
84 sec-butylbenzene	105						Compound Not Detected.			
85 p-isopropyltoluene	119						Compound Not Detected.			
86 1,3-dichlorobenzene	146						Compound Not Detected.			
* 87 1,4-dichlorobenzene-d4	152		19.246	19.247	(1.000)		77392	100.000		
88 1,4-dichlorobenzene	146						Compound Not Detected.			
89 n-butylbenzene	91						Compound Not Detected.			
90 p-Diethylbenzene	119						Compound Not Detected.			
91 1,2-dichlorobenzene	146						Compound Not Detected.			
92 1,2,4,5-tetramethylbenzene	119						Compound Not Detected.			
93 1,2-dibromo-3-chloropropane	75						Compound Not Detected.			
94 1,2,4-trichlorobenzene	180						Compound Not Detected.			
95 hexachlorobutadiene	225						Compound Not Detected.			
96 naphthalene	128						Compound Not Detected.			
97 1,2,3-trichlorobenzene	180						Compound Not Detected.			

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i
 Lab File ID: 0825A10.D
 Lab Smp Id:
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: PD
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m
 Misc Info: wg429522,ical5258

Calibration Date: 25-AUG-2010
 Calibration Time: 08:55
 Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	247899	123950	495798	240794	-2.87
62 chlorobenzene-d5	172435	86218	344870	166268	-3.58
87 1,4-dichlorobenze	86643	43322	173286	77392	-10.68

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	-0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	-0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
 Sample Matrix: LIQUID Fraction: VOA
 Lab Smp Id:
 Level: LOW Operator: PD
 Data Type: MS DATA SampleType: SAMPLE
 SpikeList File: LIQ8260spk.spk Quant Type: ISTD
 Sublist File: 8260nytc1.sub
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m
 Misc Info: wg429522,ical5258

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
\$ 31 dibromofluorometha	100.000	98.519	98.52	70-130
\$ 38 1,2-dichloroethane	100.000	111.978	111.98	70-130
\$ 52 toluene-d8	100.000	101.593	101.59	70-130
\$ 73 4-bromofluorobenze	100.000	107.750	107.75	70-130

Date : 25-AUG-2010 13:32

Client ID:

Instrument: Elaine.i

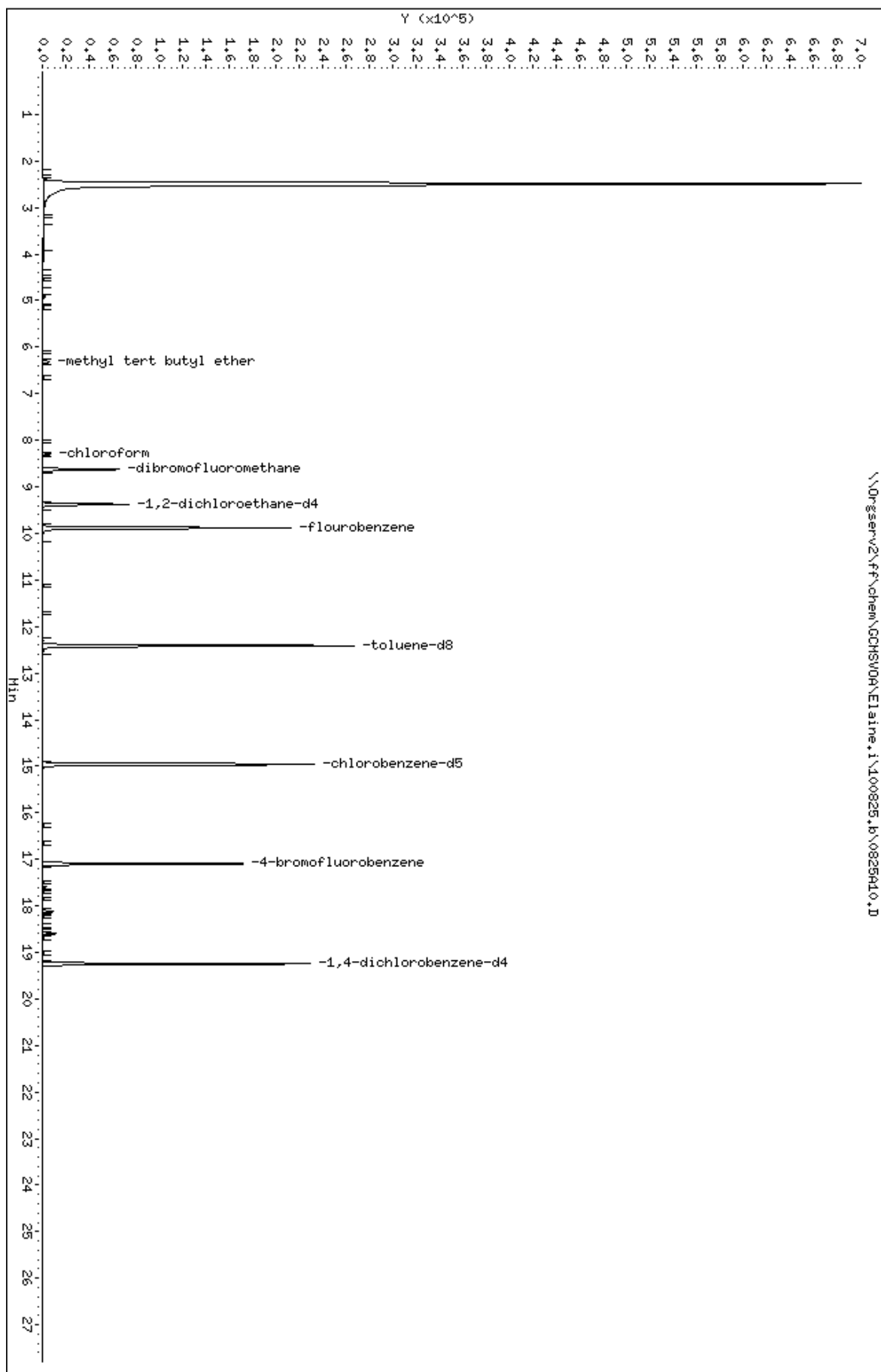
Sample Info: L1013017-01,31,10

Purge Volume: 10.0

Operator: PD

Column phase:

Column diameter: 0.18



Date : 25-AUG-2010 13:32

Client ID:

Instrument: Elaine.i

Sample Info: L1013017-01,31,10

Purge Volume: 10.0

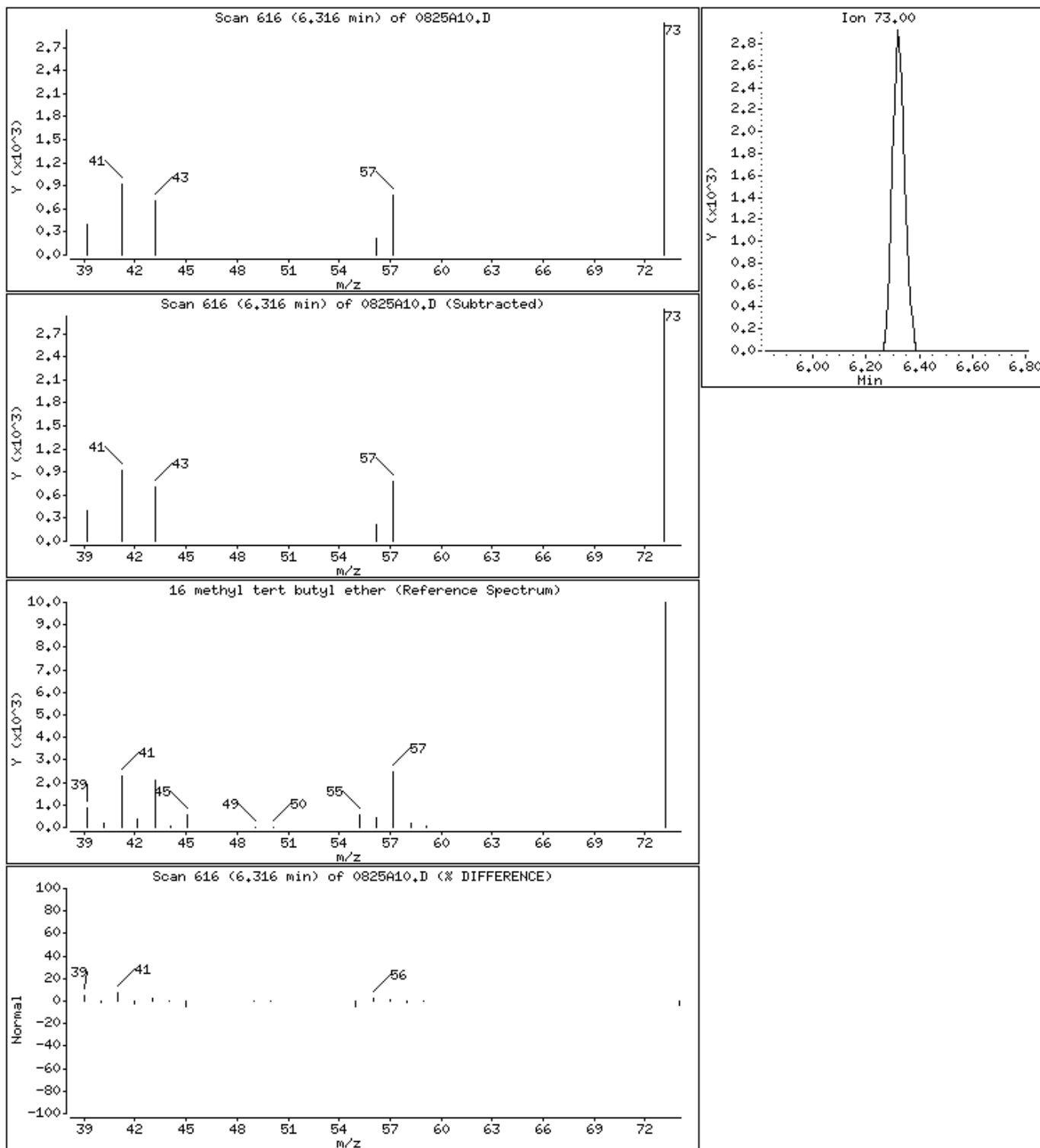
Operator: PD

Column phase:

Column diameter: 0.18

16 methyl tert butyl ether

Concentration: 6.271 ngs



Date : 25-AUG-2010 13:32

Client ID:

Instrument: Elaine.i

Sample Info: L1013017-01,31,10

Purge Volume: 10.0

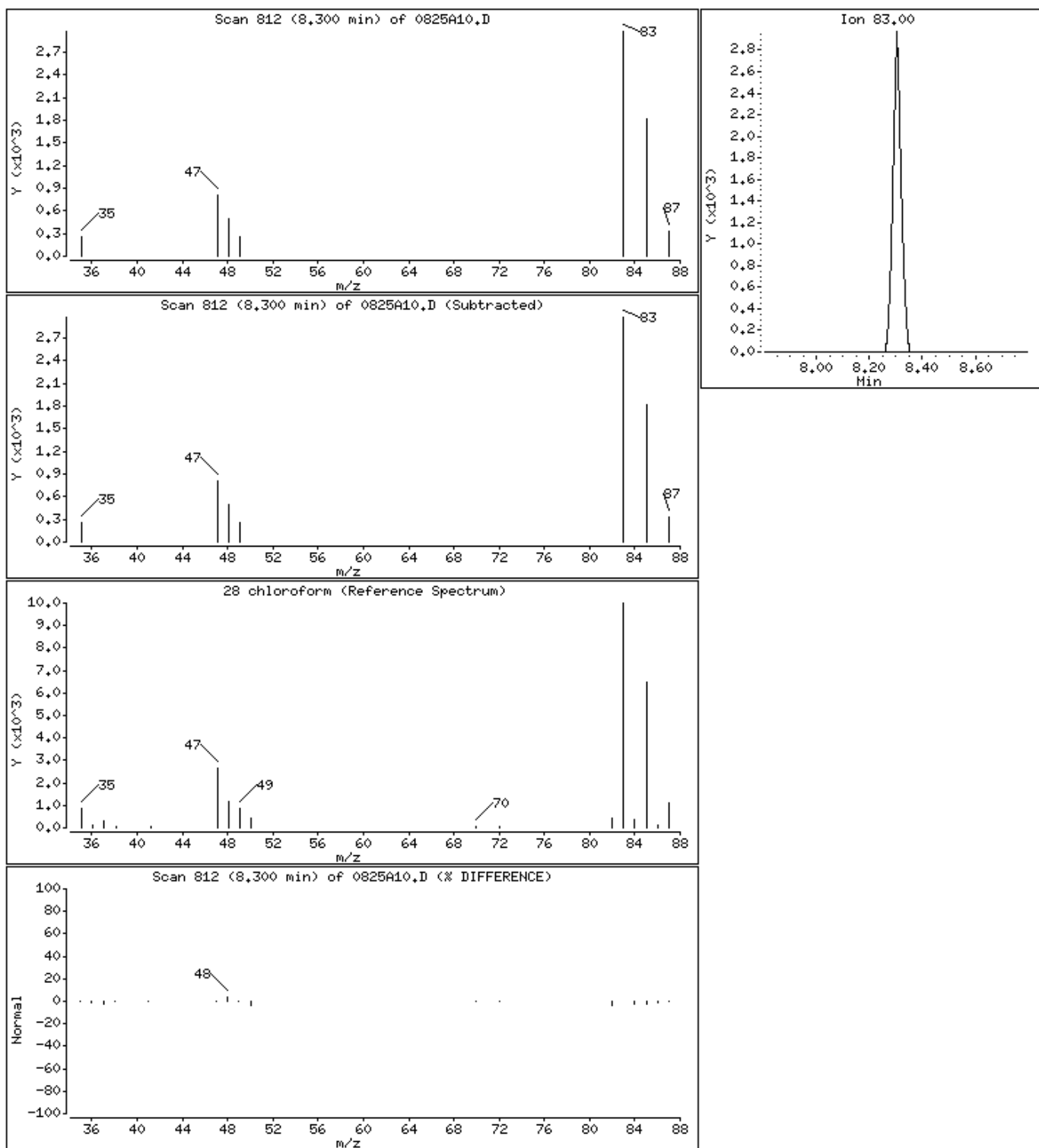
Operator: PD

Column phase:

Column diameter: 0.18

28 chloroform

Concentration: 6.609 ngs



Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\0825A11.D

Lab Smp Id:

Inj Date : 25-AUG-2010 14:07

Operator : PD

Inst ID: Elaine.i

Smp Info : L1013017-02,31,10

Misc Info : wg429522,ical5258

Comment :

Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m

Meth Date : 25-Aug-2010 13:32 pduczmalew Quant Type: ISTD

Cal Date : 25-AUG-2010 09:30

Cal File: 0825A03.D

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: 8260nytcl.sub

Target Version: 4.12

Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					CONCENTRATIONS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ngs)	FINAL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85				Compound Not Detected.			
2 chloromethane	50				Compound Not Detected.			
3 vinyl chloride	62				Compound Not Detected.			
4 bromomethane	94				Compound Not Detected.			
5 chloroethane	64				Compound Not Detected.			
6 trichlorofluoromethane	101				Compound Not Detected.			
7 ethyl ether	74				Compound Not Detected.			
9 acetone	43				Compound Not Detected.			
10 1,1,-dichloroethene	96				Compound Not Detected.			
13 methylene chloride	84				Compound Not Detected.			
14 carbon disulfide	76				Compound Not Detected.			
15 acrylonitrile	53				Compound Not Detected.			
16 methyl tert butyl ether	73				Compound Not Detected.			
18 trans-1,2-dichloroethene	96				Compound Not Detected.			
21 vinyl acetate	43				Compound Not Detected.			
22 1,1-dichloroethane	63				Compound Not Detected.			
24 2-butanone	43				Compound Not Detected.			
25 2,2-dichloropropane	77				Compound Not Detected.			
27 cis-1,2-dichloroethene	96				Compound Not Detected.			
28 chloroform	83				Compound Not Detected.			
29 bromochloromethane	128				Compound Not Detected.			
\$ 31 dibromofluoromethane	113	8.624	8.624	(0.873)	50968	98.2739	98.273	
33 1,1,1-trichloroethane	97				Compound Not Detected.			
35 1,1-dichloropropene	75				Compound Not Detected.			
36 carbontetrachloride	117				Compound Not Detected.			
\$ 38 1,2-dichloroethane-d4	65	9.384	9.374	(0.950)	64840	111.501	111.500	
39 1,2-dichloroethane	62				Compound Not Detected.			
40 benzene	78				Compound Not Detected.			

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ngs)	FINAL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 41 flourobenzene	96	9.880	9.880	(1.000)	238051	100.000			
42 trichloroethene	95		Compound	Not Detected.					
44 1,2-dichloropropane	63		Compound	Not Detected.					
45 bromodichloromethane	83		Compound	Not Detected.					
47 dibromomethane	93		Compound	Not Detected.					
49 4-methyl-2-pentanone	58		Compound	Not Detected.					
51 cis-1,3-dichloropropene	75		Compound	Not Detected.					
\$ 52 toluene-d8	98	12.411	12.411	(0.829)	224142	100.652	100.652		
53 toluene	92		Compound	Not Detected.					
54 ethyl-methacrylate	69		Compound	Not Detected.					
55 trans-1,3-dichloropropene	75		Compound	Not Detected.					
56 1,1,2-trichloroethane	83		Compound	Not Detected.					
57 2-hexanone	43		Compound	Not Detected.					
58 1,3-dichloropropane	76		Compound	Not Detected.					
59 tetrachloroethene	166		Compound	Not Detected.					
60 chlorodibromomethane	129		Compound	Not Detected.					
61 1,2-dibromoethane	107		Compound	Not Detected.					
* 62 chlorobenzene-d5	117	14.963	14.963	(1.000)	167345	100.000			
63 chlorobenzene	112		Compound	Not Detected.					
64 1,1,1,2-tetrachloroethane	131		Compound	Not Detected.					
65 ethyl benzene	91		Compound	Not Detected.					
66 p/m xylene	106		Compound	Not Detected.					
67 o xylene	106		Compound	Not Detected.					
68 styrene	104		Compound	Not Detected.					
69 isopropylbenzene	105		Compound	Not Detected.					
70 bromoform	173		Compound	Not Detected.					
71 1,4-dichloro-2-butane	55		Compound	Not Detected.					
72 1,1,2,2,-tetrachloroethane	83		Compound	Not Detected.					
\$ 73 4-bromofluorobenzene	95	17.090	17.090	(0.888)	84556	108.943	108.942		
74 1,2,3-trichloropropane	75		Compound	Not Detected.					
75 trans-1,4-dichloro-2-butene	53		Compound	Not Detected.					
76 n-propylbenzene	91		Compound	Not Detected.					
77 bromobenzene	156		Compound	Not Detected.					
78 4-ethyltoluene	105		Compound	Not Detected.					
79 1,3,5-trimethylbenzene	105		Compound	Not Detected.					
80 2-chlorotoluene	91		Compound	Not Detected.					
81 4-chorotoluene	91		Compound	Not Detected.					
82 tert-butylbenzene	119		Compound	Not Detected.					
83 1,2,4-trimethylbenzene	105		Compound	Not Detected.					
84 sec-butylbenzene	105		Compound	Not Detected.					
85 p-isopropyltoluene	119		Compound	Not Detected.					
86 1,3-dichlorobenzene	146		Compound	Not Detected.					
* 87 1,4-dichlorobenzene-d4	152	19.246	19.247	(1.000)	75895	100.000			
88 1,4-dichlorobenzene	146		Compound	Not Detected.					
89 n-butylbenzene	91		Compound	Not Detected.					
90 p-Diethylbenzene	119		Compound	Not Detected.					
91 1,2-dichlorobenzene	146		Compound	Not Detected.					
92 1,2,4,5-tetramethylbenzene	119		Compound	Not Detected.					
93 1,2-dibromo-3-chloropropane	75		Compound	Not Detected.					
94 1,2,4-trichlorobenzene	180		Compound	Not Detected.					
95 hexachlorobutadiene	225		Compound	Not Detected.					
96 naphthalene	128		Compound	Not Detected.					
97 1,2,3-trichlorobenzene	180		Compound	Not Detected.					

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i

Lab File ID: 0825A11.D

Lab Smp Id:

Analysis Type: VOA

Quant Type: ISTD

Operator: PD

Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m

Misc Info: wg429522,ical5258

Calibration Date: 25-AUG-2010

Calibration Time: 08:55

Level: LOW

Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	247899	123950	495798	238051	-3.97
62 chlorobenzene-d5	172435	86218	344870	167345	-2.95
87 1,4-dichlorobenze	86643	43322	173286	75895	-12.40

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	-0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	-0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	-0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LIQ8260spk.spk Quant Type: ISTD
Sublist File: 8260nytc1.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m
Misc Info: wg429522,ical5258

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
\$ 31 dibromofluorometha	100.000	98.273	98.27	70-130
\$ 38 1,2-dichloroethane	100.000	111.500	111.50	70-130
\$ 52 toluene-d8	100.000	100.652	100.65	70-130
\$ 73 4-bromofluorobenze	100.000	108.942	108.94	70-130

Data File: \\Drgeerv2\ff\chem\GCHSV04\Elaine.i\100825.b\0825d11.D

Date : 25-AUG-2010 14:07

Client ID:

Sample Info: L1013017-02,31,10

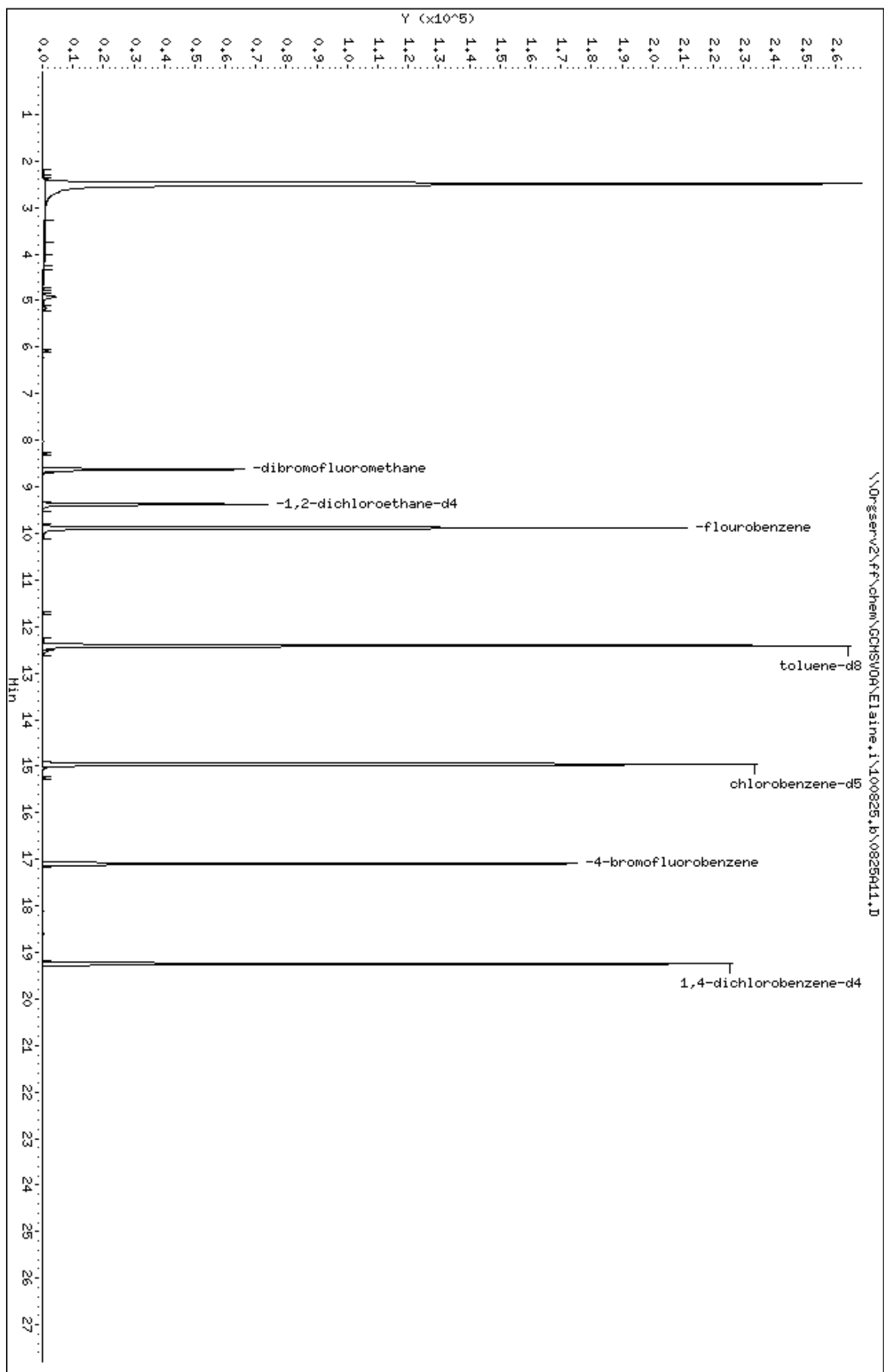
Purge Volume: 10.0

Column phase:

Instrument: Elaine.i

Operator: PD

Column diameter: 0.18



Volatiles Standards Data

Initial Calibration

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: ELAINE.I Calibration Date(s): 17-AUG-2010 17-AUG-2010

Calibration Times: 13:34 17:01

Calibration File Names:

Level 1: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A02.D
 Level 2: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A01.D
 Level 3: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A03.D
 Level 4: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A04.D
 Level 5: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A05.D
 Level 6: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A06.D
 Level 7: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A07.D

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	-----	-----	-----	-----	-----	-----					
	1000.0000										
	Level 7										
=====											
1 dichlorodifluoromethane	0.18899	0.26408	0.26589	0.27214	0.26513	0.26082					
	0.24601						AVRG		0.25187		11.46199

2 chloromethane	0.32283	0.32018	0.29996	0.29095	0.26828	0.27589					
	0.27643						AVRG		0.29350		7.43630

3 vinyl chloride	0.14255	0.18847	0.18939	0.17665	0.16966	0.16326					
	0.14543						AVRG		0.16792		11.23063

4 bromomethane	702	3679	19523	42646	67413	127258					
	269149						LINR	0.24811	0.08893		0.99730

FORM VI-GC/MS VOA

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: ELAINE.I Calibration Date(s): 17-AUG-2010 17-AUG-2010

Calibration Times: 13:34 17:01

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	1000.0000									
	Level 7									
5 chloroethane	0.10832	0.15491	0.15258	0.15255	0.14335	0.14116				
	0.12742						AVRG		0.14004	
										12.06574
6 trichlorofluoromethane	0.20166	0.27889	0.29674	0.30647	0.30083	0.29966				
	0.28799						AVRG		0.28175	
										12.94589
7 ethyl ether	0.11247	0.14959	0.15431	0.14943	0.14865	0.14568				
	0.14004						AVRG		0.14288	
										9.86717
8 freon-113	0.17243	0.23422	0.24790	0.24122	0.24658	0.23971				
	0.22946						AVRG		0.23022	
										11.41968
9 acetone	+++++	0.06767	0.05792	0.05477	0.05443	0.04924				
	0.05094						AVRG		0.05583	
										11.74629
10 1,1,-dichloroethene	0.18721	0.23754	0.24392	0.24549	0.24289	0.23985				
	0.22824						AVRG		0.23216	
										8.88849
11 Tert-Butyl Alcohol	+++++	0.01607	0.01762	0.01712	0.01743	0.01650				
	0.01676						AVRG		0.01691	
										3.45854

FORM VI-GC/MS VOA

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

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Instrument ID: ELAINE.I Calibration Date(s): 17-AUG-2010 17-AUG-2010

Calibration Times: 13:34 17:01

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	b	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	or R^2
	1000.0000										
	Level 7										
12 Methyl Acetate	0.16663	0.16206	0.15862	0.15421	0.15348	0.14924					
	0.15293						AVRG		0.15674		3.84108
13 methylene chloride	0.25812	0.28436	0.27327	0.26604	0.26347	0.25415					
	0.23417						AVRG		0.26194		6.02911
14 carbon disulfide	0.57997	0.75865	0.77412	0.75758	0.74495	0.73849					
	0.68237						AVRG		0.71945		9.46504
15 acrylonitrile	0.06702	0.07689	0.08871	0.08463	0.08776	0.08391					
	0.08492						AVRG		0.08198		9.28724
16 methyl tert butyl ether	0.57535	0.70695	0.71839	0.67934	0.68297	0.65825					
	0.63565						AVRG		0.66527		7.28211
17 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
18 trans-1,2-dichloroethene	0.21617	0.27093	0.26820	0.27470	0.27505	0.26569					
	0.25215						AVRG		0.26041		8.05982

FORM VI-GC/MS VOA

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Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: ELAINE.I Calibration Date(s): 17-AUG-2010 17-AUG-2010

Calibration Times: 13:34 17:01

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	b	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	or R^2
	-----	-----	-----	-----	-----	-----					
	1000.0000										
	Level 7										
=====											
19 Diisopropyl Ether	0.83295	1.02059	1.02904	1.01069	1.01439	0.98664					
	0.92932						AVRG		0.97480		7.28103

20 Hexane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-

21 vinyl acetate	+++++	23366	102785	169571	241023	370629					
	651748						QUAD	-0.12214	3.42729	0.62922	0.99975

22 1,1-dichloroethane	0.40107	0.51564	0.52064	0.52325	0.51833	0.50149					
	0.47531						AVRG		0.49367		8.93189

23 Ethyl-Tert-Butyl-Ether	0.76619	0.90908	0.93744	0.90985	0.91473	0.88442					
	0.84417						AVRG		0.88084		6.63491

24 2-butanone	0.06735	0.09096	0.08725	0.08295	0.08174	0.08035					
	0.08051						AVRG		0.08159		9.04993

25 2,2-dichloropropane	0.29229	0.39425	0.40081	0.40438	0.40173	0.39371					
	0.37117						AVRG		0.37976		10.56613

FORM VI-GC/MS VOA

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Lab Name: Alpha Analytical Labs

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Instrument ID: ELAINE.I Calibration Date(s): 17-AUG-2010 17-AUG-2010

Calibration Times: 13:34 17:01

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	b	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	or R^2
	1000.0000										
	Level 7										
26 Ethyl Acetate	0.24730	0.21987	0.21097	0.19624	0.19510	0.19060					
	0.18323						AVRG		0.20619		10.64873
27 cis-1,2-dichloroethene	0.23589	0.29512	0.29172	0.29700	0.29033	0.28603					
	0.26968						AVRG		0.28083		7.75445
28 chloroform	0.37264	0.46389	0.46695	0.46264	0.46163	0.44554					
	0.42245						AVRG		0.44225		7.78826
29 bromochloromethane	0.08787	0.12246	0.12606	0.12440	0.12496	0.11994					
	0.11125						AVRG		0.11670		11.70613
30 tetrahydrofuran	0.04914	0.05683	0.06138	0.05802	0.05922	0.05793					
	0.05784						AVRG		0.05719		6.70444
32 Heptane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
33 1,1,1-trichloroethane	0.30272	0.40693	0.42054	0.42149	0.42036	0.40847					
	0.38342						AVRG		0.39485		10.83001

FORM VI-GC/MS VOA

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Calibration Times: 13:34 17:01

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	1000.0000										
	Level 7										
34 Cyclohexane	0.43095	0.54257	0.55797	0.53497	0.54209	0.53149					
	0.50709						AVRG		0.52102		8.17463
35 1,1-dichloropropene	0.27758	0.37481	0.37614	0.37973	0.37748	0.36763					
	0.34583						AVRG		0.35703		10.33194
36 carbontetrachloride	0.23860	0.33325	0.34872	0.35918	0.35517	0.34937					
	0.32858						AVRG		0.33041		12.70721
37 Tertiary-Amyl Methyl Ether	0.58313	0.69811	0.71509	0.69077	0.68764	0.65555					
	0.61018						AVRG		0.66292		7.42769
39 1,2-dichloroethane	0.29427	0.36131	0.36019	0.35425	0.35490	0.33571					
	0.32280						AVRG		0.34049		7.28415
40 benzene	0.96356	1.17064	1.15542	1.13088	1.12667	1.07472					
	0.97605						AVRG		1.08542		7.78654
42 trichloroethene	0.23299	0.28188	0.29006	0.29614	0.29861	0.29076					
	0.27226						AVRG		0.28039		8.10221

FORM VI-GC/MS VOA

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

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Instrument ID: ELAINE.I Calibration Date(s): 17-AUG-2010 17-AUG-2010

Calibration Times: 13:34 17:01

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	1000.0000										
	Level 7										
43 methyl cyclohexane	0.37990	0.49572	0.49575	0.46827	0.47909	0.46067					
	0.43621						AVRG		0.45937		8.87251
44 1,2-dichloropropane	0.22844	0.30040	0.30062	0.29610	0.29800	0.28901					
	0.27506						AVRG		0.28395		9.18326
45 bromodichloromethane	0.24269	0.32413	0.34242	0.34379	0.34481	0.33123					
	0.31695						AVRG		0.32086		11.24349
46 1,4-Dioxane	0.00138	0.00180	0.00171	0.00170	0.00170	0.00167					
	0.00161						AVRG		0.00165		8.11500
47 dibromomethane	0.09631	0.13792	0.13995	0.13691	0.13592	0.13129					
	0.12850						AVRG		0.12954		11.71614
48 2-Chloroethylvinyl ether	0.10812	0.14312	0.15275	0.14891	0.15262	0.14711					
	0.14536						AVRG		0.14257		10.94373
49 4-methyl-2-pentanone	0.05409	0.07650	0.08113	0.08102	0.07994	0.07810					
	0.07814						AVRG		0.07556		12.72779

FORM VI-GC/MS VOA

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Lab Name: Alpha Analytical Labs

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Calibration Times: 13:34 17:01

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	1000.0000										
	Level 7										
50 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	AVRG		0.000e+000		0.000e+000 <-
51 cis-1,3-dichloropropene	0.32805 0.39828	0.43111	0.44296	0.44127	0.44298	0.42434	AVRG		0.41557		10.03728
53 toluene	0.87163 0.87956	1.08643	1.05466	1.04116	1.01434	0.96942	AVRG		0.98817		8.59653
54 ethyl-methacrylate	0.33162 0.37861	0.43251	0.44780	0.42789	0.42651	0.40213	AVRG		0.40672		9.85687
55 trans-1,3-dichloropropene	0.36679 0.47296	0.51452	0.53231	0.53054	0.52463	0.50131	AVRG		0.49187		11.97281
56 1,1,2-trichloroethane	0.20164 0.21576	0.23930	0.24332	0.24351	0.23683	0.22451	AVRG		0.22927		6.95746
57 2-hexanone	0.15137 0.16598	0.17748	0.18843	0.18349	0.17820	0.17327	AVRG		0.17403		7.05736

FORM VI-GC/MS VOA

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Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: ELAINE.I Calibration Date(s): 17-AUG-2010 17-AUG-2010

Calibration Times: 13:34 17:01

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	-----	-----	-----	-----	-----	-----					
	1000.0000 Level 7										
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
58 1,3-dichloropropane	0.44960	0.53644	0.54429	0.52738	0.52498	0.49847					
	0.47694						AVRG		0.50830		6.84112
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
59 tetrachloroethene	0.32740	0.38640	0.39977	0.40121	0.39148	0.38171					
	0.35446						AVRG		0.37749		7.16647
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
60 chlorodibromomethane	0.23990	0.29537	0.31995	0.32975	0.32973	0.31998					
	0.31505						AVRG		0.30711		10.35944
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
61 1,2-dibromoethane	0.22977	0.29395	0.28964	0.29073	0.28818	0.27303					
	0.26854						AVRG		0.27626		8.19411
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
63 chlorobenzene	0.92115	1.16146	1.13714	1.11221	1.09073	1.04134					
	0.94431						AVRG		1.05833		8.87279
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
64 1,1,1,2-tetrachloroethane	0.26428	0.35656	0.36264	0.36142	0.35560	0.33823					
	0.30757						AVRG		0.33519		10.97132
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
65 ethyl benzene	1.61525	2.01279	1.94887	1.88845	1.83297	1.71022					
	1.46951						AVRG		1.78258		10.87905
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

FORM VI-GC/MS VOA

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Calibration Times: 13:34 17:01

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	1000.0000										
	Level 7										
66 p/m xylene	0.63037	0.79104	0.76346	0.73632	0.71294	0.65942					
	0.55283						AVRG		0.69234		12.01884
67 o xylene	0.60885	0.76628	0.75442	0.71527	0.68604	0.63451					
	0.53067						AVRG		0.67086		12.63521
68 styrene	1.05240	1.29800	1.29354	1.22230	1.16581	1.06862					
	0.87639						AVRG		1.13958		13.31967
69 isopropylbenzene	2.89564	3.71747	3.57022	3.45966	3.35834	3.16651					
	2.74979						AVRG		3.27395		10.83855
70 bromoform	0.23367	0.31428	0.35209	0.35616	0.35726	0.33915					
	0.32233						AVRG		0.32499		13.41699
71 1,4-dichloro-2-butane	1.02625	1.23625	1.21283	1.14328	1.14109	1.09517					
	1.07479						AVRG		1.13281		6.58834
72 1,1,2,2-tetrachloroethane	0.51017	0.61755	0.60758	0.58322	0.56731	0.53313					
	0.52408						AVRG		0.56329		7.45756

FORM VI-GC/MS VOA

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Calibration Times: 13:34 17:01

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	1000.0000										
	Level 7										
74 1,2,3-trichloropropane	0.42822	0.53666	0.51297	0.50536	0.49912	0.46902					
	0.47082						AVRG		0.48888		7.29926
75 trans-1,4-dichloro-2-butene	+++++	0.22440	0.24099	0.23462	0.23907	0.23159					
	0.23442						AVRG		0.23418		2.51180
76 n-propylbenzene	3.34121	4.33975	4.16247	4.06058	3.96159	3.76554					
	3.32553						AVRG		3.85095		10.25282
77 bromobenzene	0.70711	0.88836	0.87367	0.84061	0.83288	0.79904					
	0.74735						AVRG		0.81272		8.13603
78 4-ethyltoluene	2.69094	3.48468	3.57853	3.38322	3.34668	3.22020					
	2.81077						AVRG		3.21643		10.53230
79 1,3,5-trimethybenzene	2.37993	3.09570	3.00274	2.91113	2.77688	2.61677					
	2.28755						AVRG		2.72439		11.35343
80 2-chlorotoluene	2.48237	3.08936	2.91813	2.81337	2.74182	2.56115					
	2.23519						AVRG		2.69163		10.68175

FORM VI-GC/MS VOA

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Lab Name: Alpha Analytical Labs

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Calibration Times: 13:34 17:01

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	1000.0000									
	Level 7									
81 4-chorotoluene	2.40504	2.85629	2.74095	2.65493	2.61671	2.45111				
	2.22324						AVRG		2.56404	8.45404
82 tert-butylbenzene	2.06375	2.59342	2.47464	2.42248	2.36853	2.25474				
	2.04990						AVRG		2.31821	8.88205
83 1,2,4-trimethylbenzene	2.26513	2.95880	2.90410	2.86938	2.81785	2.67733				
	2.38055						AVRG		2.69616	10.07572
84 sec-butylbenzene	2.94345	3.71871	3.55643	3.51673	3.42170	3.27279				
	2.89933						AVRG		3.33273	9.35933
85 p-isopropyltoluene	2.22618	2.93498	2.85161	2.84610	2.79870	2.67551				
	2.38088						AVRG		2.67342	10.02853
86 1,3-dichlorobenzene	1.34132	1.60980	1.53746	1.48779	1.47253	1.39269				
	1.26658						AVRG		1.44403	8.17494
88 1,4-dichlorobenzene	1.39540	1.64189	1.54716	1.50563	1.48531	1.39526				
	1.26932						AVRG		1.46285	8.28201

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Lab Name: Alpha Analytical Labs

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Instrument ID: ELAINE.I Calibration Date(s): 17-AUG-2010 17-AUG-2010

Calibration Times: 13:34 17:01

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	1000.0000										
	Level 7										
89 n-butylbenzene	2.09495	2.90780	2.94490	2.96421	2.87000	2.75490					
	2.36512						AVRG		2.70027		12.49577
90 p-Diethylbenzene	1.14493	1.61109	1.68687	1.63283	1.59890	1.54593					
	1.30573						AVRG		1.50375		13.31430
91 1,2-dichlorobenzene	1.21507	1.49760	1.42842	1.37873	1.36070	1.27583					
	1.18143						AVRG		1.33397		8.61284
92 1,2,4,5-tetramethylbenzene	1.43656	1.97734	2.21635	2.20211	2.19468	2.21477					
	1.99013						AVRG		2.03313		13.94164
93 1,2-dibromo-3-chloropropane	+++++	0.08980	0.09922	0.09966	0.10090	0.09854					
	0.10241						AVRG		0.09842		4.51319
94 1,2,4-trichlorobenzene	0.66688	0.80674	0.83529	0.85335	0.85623	0.83249					
	0.75832						AVRG		0.80133		8.49470
95 hexachlorobutadiene	0.39463	0.50971	0.46737	0.45700	0.45613	0.43899					
	0.39963						AVRG		0.44621		8.95432

FORM VI-GC/MS VOA

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: ELAINE.I Calibration Date(s): 17-AUG-2010 17-AUG-2010

Calibration Times: 13:34 17:01

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	1000.0000										
	Level 7										
=====											
96 naphthalene	1.00170	1.19874	1.33449	1.40048	1.43031	1.42340					
	1.37007						AVRG		1.30846		11.96821

97 1,2,3-trichlorobenzene	0.54210	0.67328	0.68808	0.69911	0.70933	0.68053					
	0.62086						AVRG		0.65904		8.92843

170 1,3-butadiene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-

171 Isopropyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-

172 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-

173 Methyl Isothiocyanate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
=====											
\$ 31 dibromofluoromethane	0.21415	0.21546	0.21684	0.21682	0.22112	0.21960					
	0.22108						AVRG		0.21787		1.26679

=====											

FORM VI-GC/MS VOA

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: ELAINE.I Calibration Date(s): 17-AUG-2010 17-AUG-2010

Calibration Times: 13:34 17:01

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	-----	-----	-----	-----	-----	-----					
	1000.0000										
	Level 7										
=====											
\$ 38 1,2-dichloroethane-d4	0.24234	0.24591	0.24170	0.24595	0.24584	0.24080					
	0.24744						AVRG		0.24428		1.06277

\$ 52 toluene-d8	1.33832	1.33558	1.33976	1.33601	1.31985	1.32020					
	1.32534						AVRG		1.33072		0.65006

\$ 73 4-bromofluorobenzene	1.02811	1.04162	1.02026	1.01037	1.01496	1.01607					
	1.02727						AVRG		1.02267		1.03318

FORM VI-GC/MS VOA

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: ELAINE.I Calibration Date(s): 17-AUG-2010 17-AUG-2010

Calibration Times: 13:34 17:01

Curve	Formula	Units
Averaged	$\text{Amt} = \text{Rsp}/m1$	Response
Linear	$\text{Amt} = b + \text{Rsp}/m1$	Response
Quad	$\text{Amt} = b + m1*\text{Rsp} + m2*\text{Rsp}^2$	Response

FORM VI-GC/MS VOA

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 13:34
 End Cal Date : 17-AUG-2010 17:01
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
 Cal Date : 18-Aug-2010 08:31 Elaine.i

Calibration File Names:

Level 1: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A02.D
 Level 2: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A01.D
 Level 3: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A03.D
 Level 4: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A04.D
 Level 5: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A05.D
 Level 6: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A06.D
 Level 7: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A07.D

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	1000.0000									
	Level 7									
=====										
1 dichlorodifluoromethane	0.18899	0.26408	0.26589	0.27214	0.26513	0.26082				
	0.24601						AVRG		0.25187	
										11.46199
2 chloromethane	0.32283	0.32018	0.29996	0.29095	0.26828	0.27589				
	0.27643						AVRG		0.29350	
										7.43630
3 vinyl chloride	0.14255	0.18847	0.18939	0.17665	0.16966	0.16326				
	0.14543						AVRG		0.16792	
										11.23063
4 bromomethane	702	3679	19523	42646	67413	127258				
	269149						LINR	0.24811	0.08893	
										0.99730
=====										

Alpha Analytical Labs
INITIAL CALIBRATION DATA

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 Quant Method : ISTD
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 Method file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
 Cal Date : 18-Aug-2010 08:31 Elaine.i

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	1000.0000 Level 7										
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
5 chloroethane	0.10832	0.15491	0.15258	0.15255	0.14335	0.14116					
	0.12742						AVRG		0.14004		12.06574
6 trichlorofluoromethane	0.20166	0.27889	0.29674	0.30647	0.30083	0.29966					
	0.28799						AVRG		0.28175		12.94589
7 ethyl ether	0.11247	0.14959	0.15431	0.14943	0.14865	0.14568					
	0.14004						AVRG		0.14288		9.86717
8 freon-113	0.17243	0.23422	0.24790	0.24122	0.24658	0.23971					
	0.22946						AVRG		0.23022		11.41968
9 acetone	++++	0.06767	0.05792	0.05477	0.05443	0.04924					
	0.05094						AVRG		0.05583		11.74629
10 1,1,-dichloroethene	0.18721	0.23754	0.24392	0.24549	0.24289	0.23985					
	0.22824						AVRG		0.23216		8.88849
11 Tert-Butyl Alcohol	++++	0.01607	0.01762	0.01712	0.01743	0.01650					
	0.01676						AVRG		0.01691		3.45854

Alpha Analytical Labs
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 Cal Date : 18-Aug-2010 08:31 Elaine.i

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	b	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	or R^2
	-----	-----	-----	-----	-----	-----			-----	-----	-----
	1000.0000										
Level 7											
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
12 Methyl Acetate	0.16663	0.16206	0.15862	0.15421	0.15348	0.14924					
	0.15293						AVRG		0.15674		3.84108
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
13 methylene chloride	0.25812	0.28436	0.27327	0.26604	0.26347	0.25415					
	0.23417						AVRG		0.26194		6.02911
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
14 carbon disulfide	0.57997	0.75865	0.77412	0.75758	0.74495	0.73849					
	0.68237						AVRG		0.71945		9.46504
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
15 acrylonitrile	0.06702	0.07689	0.08871	0.08463	0.08776	0.08391					
	0.08492						AVRG		0.08198		9.28724
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
16 methyl tert butyl ether	0.57535	0.70695	0.71839	0.67934	0.68297	0.65825					
	0.63565						AVRG		0.66527		7.28211
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
17 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
18 trans-1,2-dichloroethene	0.21617	0.27093	0.26820	0.27470	0.27505	0.26569					
	0.25215						AVRG		0.26041		8.05982
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Alpha Analytical Labs
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 Cal Date : 18-Aug-2010 08:31 Elaine.i

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	b	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	or R^2	
	1000.0000											
	Level 7											
19 Diisopropyl Ether	0.83295	1.02059	1.02904	1.01069	1.01439	0.98664						
	0.92932						AVRG		0.97480		7.28103	
20 Hexane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+000		0.000e+000 <-	
21 vinyl acetate	+++++	23366	102785	169571	241023	370629						
	651748						QUAD	-0.12214	3.42729	0.62922	0.99975	
22 1,1-dichloroethane	0.40107	0.51564	0.52064	0.52325	0.51833	0.50149						
	0.47531						AVRG		0.49367		8.93189	
23 Ethyl-Tert-Butyl-Ether	0.76619	0.90908	0.93744	0.90985	0.91473	0.88442						
	0.84417						AVRG		0.88084		6.63491	
24 2-butanone	0.06735	0.09096	0.08725	0.08295	0.08174	0.08035						
	0.08051						AVRG		0.08159		9.04993	
25 2,2-dichloropropane	0.29229	0.39425	0.40081	0.40438	0.40173	0.39371						
	0.37117						AVRG		0.37976		10.56613	

Alpha Analytical Labs
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 Cal Date : 18-Aug-2010 08:31 Elaine.i

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	b	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	or R^2
	-----	-----	-----	-----	-----	-----					
	1000.0000										
Level 7											
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
26 Ethyl Acetate	0.24730	0.21987	0.21097	0.19624	0.19510	0.19060					
	0.18323						AVRG		0.20619		10.64873
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
27 cis-1,2-dichloroethene	0.23589	0.29512	0.29172	0.29700	0.29033	0.28603					
	0.26968						AVRG		0.28083		7.75445
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
28 chloroform	0.37264	0.46389	0.46695	0.46264	0.46163	0.44554					
	0.42245						AVRG		0.44225		7.78826
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
29 bromochloromethane	0.08787	0.12246	0.12606	0.12440	0.12496	0.11994					
	0.11125						AVRG		0.11670		11.70613
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
30 tetrahydrofuran	0.04914	0.05683	0.06138	0.05802	0.05922	0.05793					
	0.05784						AVRG		0.05719		6.70444
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
32 Heptane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
33 1,1,1-trichloroethane	0.30272	0.40693	0.42054	0.42149	0.42036	0.40847					
	0.38342						AVRG		0.39485		10.83001
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Alpha Analytical Labs
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 Cal Date : 18-Aug-2010 08:31 Elaine.i

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	1000.0000 Level 7									
34 Cyclohexane	0.43095	0.54257	0.55797	0.53497	0.54209	0.53149				
	0.50709						AVRG		0.52102	
35 1,1-dichloropropene	0.27758	0.37481	0.37614	0.37973	0.37748	0.36763				
	0.34583						AVRG		0.35703	
36 carbontetrachloride	0.23860	0.33325	0.34872	0.35918	0.35517	0.34937				
	0.32858						AVRG		0.33041	
37 Tertiary-Amyl Methyl Ether	0.58313	0.69811	0.71509	0.69077	0.68764	0.65555				
	0.61018						AVRG		0.66292	
39 1,2-dichloroethane	0.29427	0.36131	0.36019	0.35425	0.35490	0.33571				
	0.32280						AVRG		0.34049	
40 benzene	0.96356	1.17064	1.15542	1.13088	1.12667	1.07472				
	0.97605						AVRG		1.08542	
42 trichloroethene	0.23299	0.28188	0.29006	0.29614	0.29861	0.29076				
	0.27226						AVRG		0.28039	

Alpha Analytical Labs
INITIAL CALIBRATION DATA

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 Cal Date : 18-Aug-2010 08:31 Elaine.i

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	1000.0000										
	Level 7										
43 methyl cyclohexane	0.37990	0.49572	0.49575	0.46827	0.47909	0.46067					
	0.43621						AVRG		0.45937		8.87251
44 1,2-dichloropropane	0.22844	0.30040	0.30062	0.29610	0.29800	0.28901					
	0.27506						AVRG		0.28395		9.18326
45 bromodichloromethane	0.24269	0.32413	0.34242	0.34379	0.34481	0.33123					
	0.31695						AVRG		0.32086		11.24349
46 1,4-Dioxane	0.00138	0.00180	0.00171	0.00170	0.00170	0.00167					
	0.00161						AVRG		0.00165		8.11500
47 dibromomethane	0.09631	0.13792	0.13995	0.13691	0.13592	0.13129					
	0.12850						AVRG		0.12954		11.71614
48 2-Chloroethylvinyl ether	0.10812	0.14312	0.15275	0.14891	0.15262	0.14711					
	0.14536						AVRG		0.14257		10.94373
49 4-methyl-2-pentanone	0.05409	0.07650	0.08113	0.08102	0.07994	0.07810					
	0.07814						AVRG		0.07556		12.72779

Alpha Analytical Labs
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Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000		b	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	or R^2
	-----	-----	-----	-----	-----	-----					
	1000.0000										
Level 7											
=====											
50 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++						AVRG		0.000e+000		0.000e+000 <-
51 cis-1,3-dichloropropene	0.32805	0.43111	0.44296	0.44127	0.44298	0.42434					
	0.39828						AVRG		0.41557		10.03728
53 toluene	0.87163	1.08643	1.05466	1.04116	1.01434	0.96942					
	0.87956						AVRG		0.98817		8.59653
54 ethyl-methacrylate	0.33162	0.43251	0.44780	0.42789	0.42651	0.40213					
	0.37861						AVRG		0.40672		9.85687
55 trans-1,3-dichloropropene	0.36679	0.51452	0.53231	0.53054	0.52463	0.50131					
	0.47296						AVRG		0.49187		11.97281
56 1,1,2-trichloroethane	0.20164	0.23930	0.24332	0.24351	0.23683	0.22451					
	0.21576						AVRG		0.22927		6.95746
57 2-hexanone	0.15137	0.17748	0.18843	0.18349	0.17820	0.17327					
	0.16598						AVRG		0.17403		7.05736

Alpha Analytical Labs
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Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	1000.0000 Level 7									
58 1,3-dichloropropane	0.44960	0.53644	0.54429	0.52738	0.52498	0.49847				
	0.47694						AVRG		0.50830	
59 tetrachloroethene	0.32740	0.38640	0.39977	0.40121	0.39148	0.38171				
	0.35446						AVRG		0.37749	
60 chlorodibromomethane	0.23990	0.29537	0.31995	0.32975	0.32973	0.31998				
	0.31505						AVRG		0.30711	
61 1,2-dibromoethane	0.22977	0.29395	0.28964	0.29073	0.28818	0.27303				
	0.26854						AVRG		0.27626	
63 chlorobenzene	0.92115	1.16146	1.13714	1.11221	1.09073	1.04134				
	0.94431						AVRG		1.05833	
64 1,1,1,2-tetrachloroethane	0.26428	0.35656	0.36264	0.36142	0.35560	0.33823				
	0.30757						AVRG		0.33519	
65 ethyl benzene	1.61525	2.01279	1.94887	1.88845	1.83297	1.71022				
	1.46951						AVRG		1.78258	

Alpha Analytical Labs
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 Cal Date : 18-Aug-2010 08:31 Elaine.i

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	1000.0000 Level 7									
66 p/m xylene	0.63037	0.79104	0.76346	0.73632	0.71294	0.65942				
	0.55283						AVRG		0.69234	
67 o xylene	0.60885	0.76628	0.75442	0.71527	0.68604	0.63451				
	0.53067						AVRG		0.67086	
68 styrene	1.05240	1.29800	1.29354	1.22230	1.16581	1.06862				
	0.87639						AVRG		1.13958	
69 isopropylbenzene	2.89564	3.71747	3.57022	3.45966	3.35834	3.16651				
	2.74979						AVRG		3.27395	
70 bromoform	0.23367	0.31428	0.35209	0.35616	0.35726	0.33915				
	0.32233						AVRG		0.32499	
71 1,4-dichloro-2-butane	1.02625	1.23625	1.21283	1.14328	1.14109	1.09517				
	1.07479						AVRG		1.13281	
72 1,1,2,2,-tetrachloroethane	0.51017	0.61755	0.60758	0.58322	0.56731	0.53313				
	0.52408						AVRG		0.56329	

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 13:34
 End Cal Date : 17-AUG-2010 17:01
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
 Cal Date : 18-Aug-2010 08:31 Elaine.i

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	1000.0000 Level 7									
74 1,2,3-trichloropropane	0.42822	0.53666	0.51297	0.50536	0.49912	0.46902				
	0.47082						AVRG		0.48888	7.29926
75 trans-1,4-dichloro-2-butene	+++++	0.22440	0.24099	0.23462	0.23907	0.23159				
	0.23442						AVRG		0.23418	2.51180
76 n-propylbenzene	3.34121	4.33975	4.16247	4.06058	3.96159	3.76554				
	3.32553						AVRG		3.85095	10.25282
77 bromobenzene	0.70711	0.88836	0.87367	0.84061	0.83288	0.79904				
	0.74735						AVRG		0.81272	8.13603
78 4-ethyltoluene	2.69094	3.48468	3.57853	3.38322	3.34668	3.22020				
	2.81077						AVRG		3.21643	10.53230
79 1,3,5-trimethybenzene	2.37993	3.09570	3.00274	2.91113	2.77688	2.61677				
	2.28755						AVRG		2.72439	11.35343
80 2-chlorotoluene	2.48237	3.08936	2.91813	2.81337	2.74182	2.56115				
	2.23519						AVRG		2.69163	10.68175

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 13:34
 End Cal Date : 17-AUG-2010 17:01
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
 Cal Date : 18-Aug-2010 08:31 Elaine.i

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	1000.0000										
	Level 7										
81 4-chorotoluene	2.40504	2.85629	2.74095	2.65493	2.61671	2.45111					
	2.22324						AVRG		2.56404		8.45404
82 tert-butylbenzene	2.06375	2.59342	2.47464	2.42248	2.36853	2.25474					
	2.04990						AVRG		2.31821		8.88205
83 1,2,4-trimethylbenzene	2.26513	2.95880	2.90410	2.86938	2.81785	2.67733					
	2.38055						AVRG		2.69616		10.07572
84 sec-butylbenzene	2.94345	3.71871	3.55643	3.51673	3.42170	3.27279					
	2.89933						AVRG		3.33273		9.35933
85 p-isopropyltoluene	2.22618	2.93498	2.85161	2.84610	2.79870	2.67551					
	2.38088						AVRG		2.67342		10.02853
86 1,3-dichlorobenzene	1.34132	1.60980	1.53746	1.48779	1.47253	1.39269					
	1.26658						AVRG		1.44403		8.17494
88 1,4-dichlorobenzene	1.39540	1.64189	1.54716	1.50563	1.48531	1.39526					
	1.26932						AVRG		1.46285		8.28201

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 13:34
 End Cal Date : 17-AUG-2010 17:01
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
 Cal Date : 18-Aug-2010 08:31 Elaine.i

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	1000.0000 Level 7									
89 n-butylbenzene	2.09495	2.90780	2.94490	2.96421	2.87000	2.75490				
	2.36512						AVRG		2.70027	
90 p-Diethylbenzene	1.14493	1.61109	1.68687	1.63283	1.59890	1.54593				
	1.30573						AVRG		1.50375	
91 1,2-dichlorobenzene	1.21507	1.49760	1.42842	1.37873	1.36070	1.27583				
	1.18143						AVRG		1.33397	
92 1,2,4,5-tetramethylbenzene	1.43656	1.97734	2.21635	2.20211	2.19468	2.21477				
	1.99013						AVRG		2.03313	
93 1,2-dibromo-3-chloropropane	+++++	0.08980	0.09922	0.09966	0.10090	0.09854				
	0.10241						AVRG		0.09842	
94 1,2,4-trichlorobenzene	0.66688	0.80674	0.83529	0.85335	0.85623	0.83249				
	0.75832						AVRG		0.80133	
95 hexachlorobutadiene	0.39463	0.50971	0.46737	0.45700	0.45613	0.43899				
	0.39963						AVRG		0.44621	

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 13:34
 End Cal Date : 17-AUG-2010 17:01
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
 Cal Date : 18-Aug-2010 08:31 Elaine.i

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	b	Coefficients		%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	or R^2
	1000.0000										
	Level 7										
96 naphthalene	1.00170	1.19874	1.33449	1.40048	1.43031	1.42340					
	1.37007						AVRG		1.30846		11.96821
97 1,2,3-trichlorobenzene	0.54210	0.67328	0.68808	0.69911	0.70933	0.68053					
	0.62086						AVRG		0.65904		8.92843
170 1,3-butadiene	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
171 Isopropyl Alcohol	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
172 2-Pentanone	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
173 Methyl Isothiocyanate	++++	++++	++++	++++	++++	++++					
	++++						AVRG		0.000e+000		0.000e+000 <-
\$ 31 dibromofluoromethane	0.21415	0.21546	0.21684	0.21682	0.22112	0.21960					
	0.22108						AVRG		0.21787		1.26679

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 13:34
 End Cal Date : 17-AUG-2010 17:01
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
 Cal Date : 18-Aug-2010 08:31 Elaine.i

Compound	5.0000	20.0000	100.0000	200.0000	300.0000	500.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	-----	-----	-----	-----	-----	-----				
	1000.0000									
	Level 7									
=====										
\$ 38 1,2-dichloroethane-d4	0.24234	0.24591	0.24170	0.24595	0.24584	0.24080				
	0.24744						AVRG		0.24428	1.06277

\$ 52 toluene-d8	1.33832	1.33558	1.33976	1.33601	1.31985	1.32020				
	1.32534						AVRG		1.33072	0.65006

\$ 73 4-bromofluorobenzene	1.02811	1.04162	1.02026	1.01037	1.01496	1.01607				
	1.02727						AVRG		1.02267	1.03318

=====										

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 17-AUG-2010 13:34
End Cal Date : 17-AUG-2010 17:01
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
Cal Date : 18-Aug-2010 08:31 Elaine.i

Curve	Formula	Units
Averaged	$\text{Amt} = \text{Rsp}/m1$	Response
Linear	$\text{Amt} = b + \text{Rsp}/m1$	Response
Quad	$\text{Amt} = b + m1*\text{Rsp} + m2*\text{Rsp}^2$	Response

Alpha Analytical Labs

BFB method - Elaine
 Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\BFB0817A.D
 Lab Smp Id: BFB TUNE Client Smp ID: BFB TUNE
 Inj Date : 17-AUG-2010 13:24
 Operator : PD Inst ID: Elaine.i
 Smp Info : BFB TUNE
 Misc Info : 50ng Direct Injection
 Comment :
 Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\bfb.m
 Meth Date : 28-May-2009 13:44 pduczmalew Quant Type: ISTD
 Cal Date : Cal File:
 Als bottle: 2 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.12 Sample Matrix: WATER
 Processing Host: VOA-4

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
RT	EXP RT	REL RT	MASS	RESPONSE	ON-COL	FINAL	TARGET	RANGE	RATIO
					(ug/L)	(ug/L)			
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 BFB					CAS #: 460-00-4				
4.054	4.090	(0.000)	95	15565			100.00-	100.00	100.00
4.054	4.090	(0.000)	50	2685			15.00-	40.00	17.25
4.054	4.090	(0.000)	75	6378			30.00-	60.00	40.98
4.054	4.090	(0.000)	96	1068			5.00-	9.00	6.86
4.054	4.090	(0.000)	173	0	0.0	0.0	0.00-	2.00	0.00
4.054	4.090	(0.000)	174	13957			50.00-	100.00	89.67
4.054	4.090	(0.000)	175	1016			5.00-	9.00	7.28
4.054	4.090	(0.000)	176	13430			95.00-	101.00	96.22
4.054	4.090	(0.000)	177	781			5.00-	9.00	5.82

Date : 17-AUG-2010 13:24

Client ID: BFB TUNE

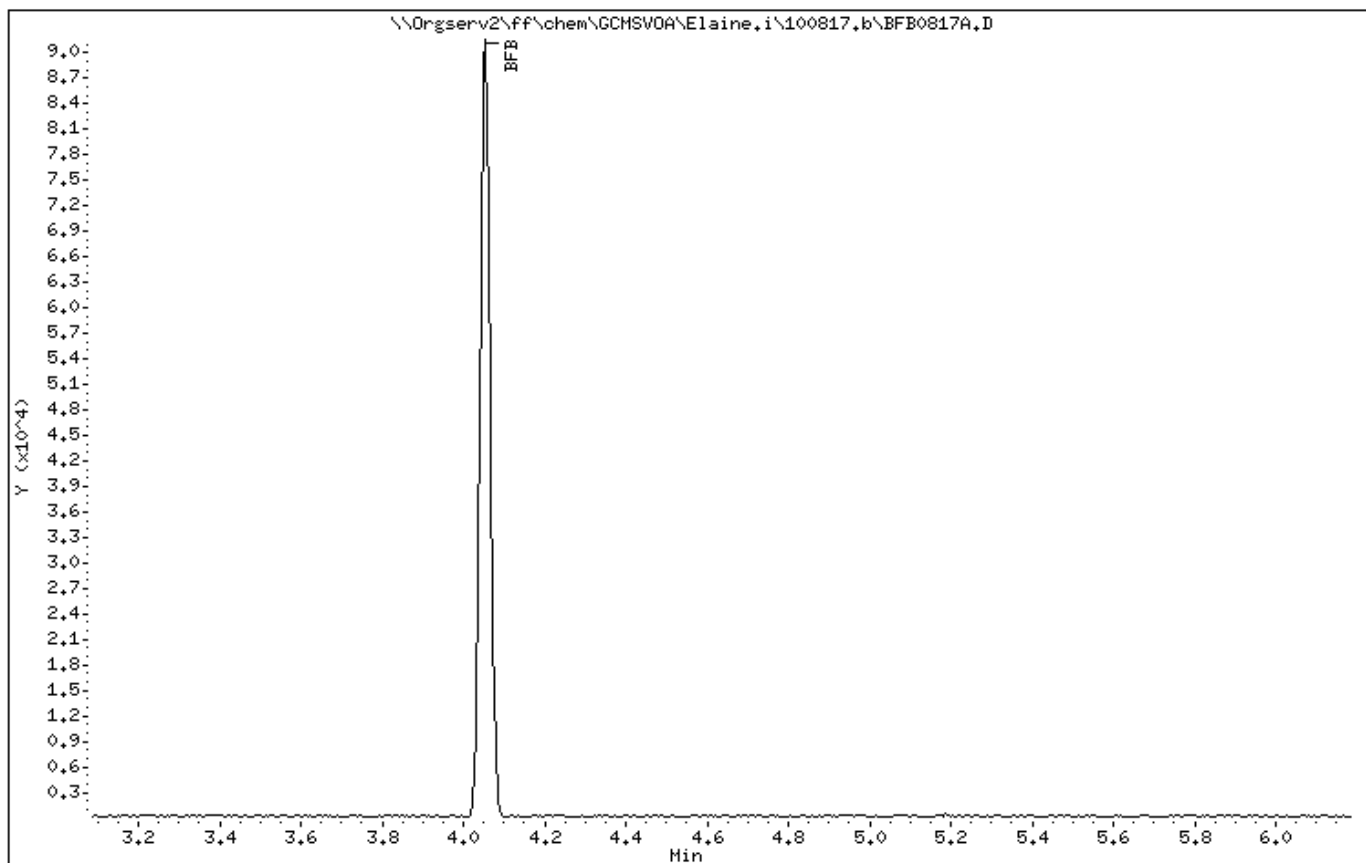
Instrument: Elaine.i

Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 0,18



Date : 17-AUG-2010 13:24

Client ID: BFB TUNE

Instrument: Elaine.i

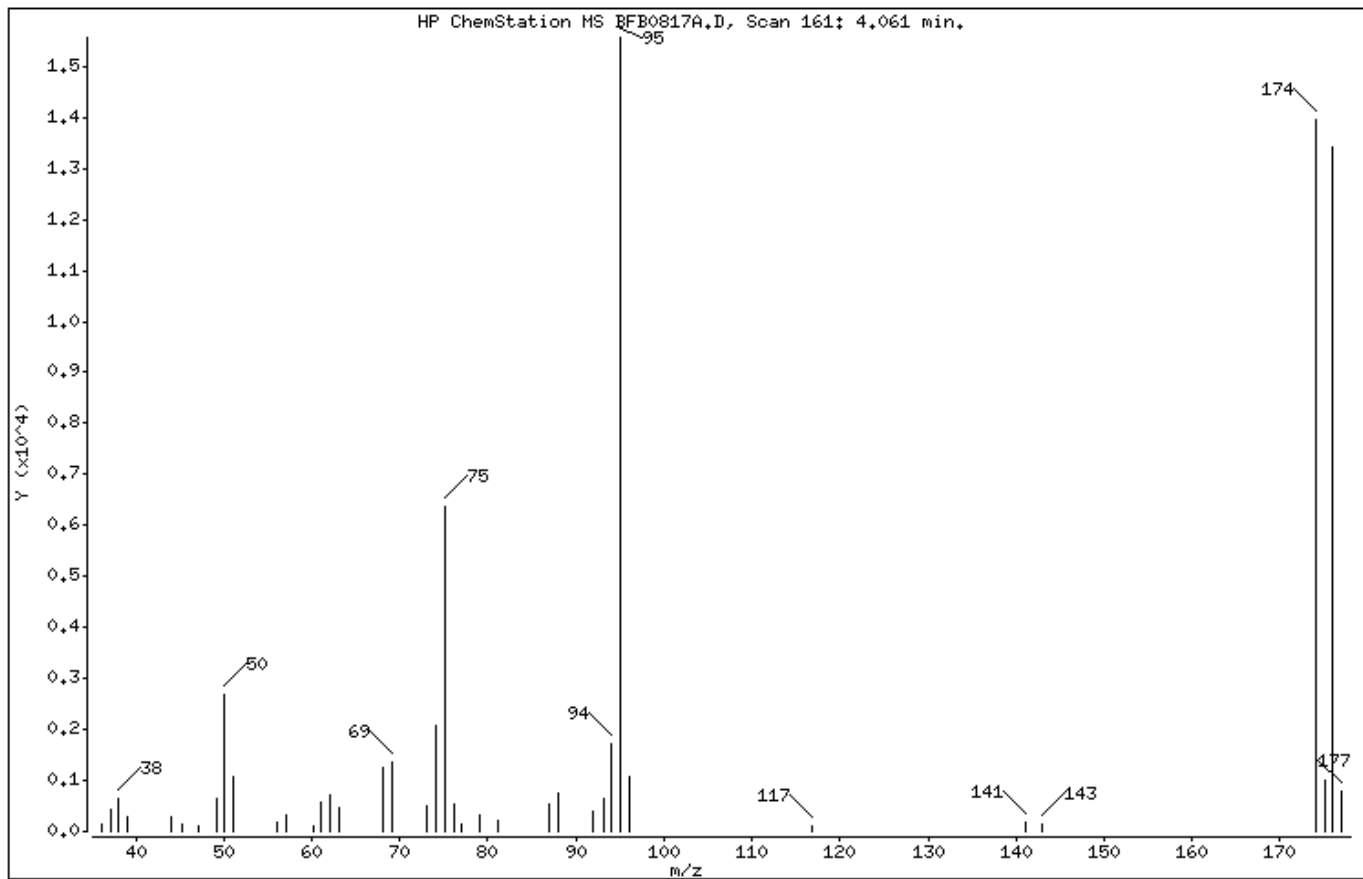
Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 0.18

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	17.25
75	30.00 - 60.00% of mass 95	40.98
96	5.00 - 9.00% of mass 95	6.86
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	89.67
175	5.00 - 9.00% of mass 174	6.53 (7.28)
176	95.00 - 101.00% of mass 174	86.28 (96.22)
177	5.00 - 9.00% of mass 176	5.02 (5.82)

Date : 17-AUG-2010 13:24

Client ID: BFB TUNE

Instrument: Elaine.i

Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 0.18

Data File: BFB0817A.D

Spectrum: HP ChemStation MS BFB0817A.D, Scan 161: 4.061 min.

Location of Maximum: 95.10

Number of points: 39

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	129	56.00	171	75.10	6378	95.10	15565
37.10	425	57.10	336	76.10	552	96.10	1068
38.10	652	60.20	100	77.00	135	116.90	105
39.10	299	61.10	566	79.00	323	141.00	162
44.10	273	62.10	726	81.10	225	143.00	151
45.20	158	63.10	451	87.00	547	174.00	13957
47.10	112	68.10	1259	88.00	743	175.00	1016
49.10	635	69.10	1371	92.00	399	176.00	13430
50.10	2685	73.10	504	93.10	632	177.00	781
51.10	1076	74.10	2071	94.10	1714		

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\0817A02.D

Lab Smp Id:

Inj Date : 17-AUG-2010 14:08

Operator : PD

Inst ID: Elaine.i

Smp Info : ICAL L1P

Misc Info : wg, ical

Comment :

Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m

Meth Date : 18-Aug-2010 08:40 Elaine.i Quant Type: ISTD

Cal Date : 17-AUG-2010 13:34 Cal File: 0817A01.D

Als bottle: 1 Calibration Sample, Level: 1

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: curve.sub

Target Version: 4.12

Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85	2.731	2.731 (0.276)		2865	5.00000	3.751	
2 chloromethane	50	3.095	3.095 (0.313)		4894	5.00000	5.524	
3 vinyl chloride	62	3.257	3.257 (0.330)		2161	5.00000	4.244	
4 bromomethane	94	3.915	3.915 (0.396)		702	5.00000	27.414	
6 trichlorofluoromethane	101	4.442	4.442 (0.450)		3057	5.00000	3.578	
7 ethyl ether	74	4.877	4.877 (0.494)		1705	5.00000	3.935	
8 freon-113	101	5.120	5.120 (0.518)		2614	5.00000	3.745	
9 acetone	43	5.161	5.161 (0.522)		1371	5.00000	8.213	
10 1,1,-dichloroethene	96	5.363	5.363 (0.543)		2838	5.00000	4.031	
11 Tert-Butyl Alcohol	59	5.475	5.475 (0.554)		655	25.0000	12.846	
13 methylene chloride	84	6.072	6.072 (0.615)		3913	5.00000	4.927	
14 carbon disulfide	76	6.103	6.103 (0.618)		8792	5.00000	4.030	
15 acrylonitrile	53	6.244	6.244 (0.632)		1016	5.00000	4.151	
16 methyl tert butyl ether	73	6.325	6.325 (0.640)		8722	5.00000	4.324	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		3277	5.00000	4.150	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		12627	5.00000	4.278	
21 vinyl acetate	43	7.146	7.146 (0.723)		4330	5.00000		
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		6080	5.00000	4.062	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611 (0.770)		11615	5.00000	4.349	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		4431	5.00000	3.848	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		3576	5.00000	4.199	
28 chloroform	83	8.300	8.300 (0.840)		5649	5.00000	4.212	
29 bromochloromethane	128	8.553	8.553 (0.866)		1332	5.00000	3.764	
\$ 31 dibromofluoromethane	113	8.624	8.624 (0.873)		64928	100.000	98.294	
33 1,1,1-trichloroethane	97	8.918	8.918 (0.903)		4589	5.00000	3.833	
34 Cyclohexane	56	8.968	8.968 (0.908)		6533	5.00000	4.135	
35 1,1-dichloropropene	75	9.161	9.161 (0.927)		4208	5.00000	3.887	
36 carbontetrachloride	117	9.323	9.323 (0.944)		3617	5.00000	3.610	

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
37 Tertiary-Amyl Methyl Ether	73			9.333	9.333	(0.945)	8840	5.00000	4.398	
\$ 38 1,2-dichloroethane-d4	65			9.373	9.373	(0.949)	73475	100.000	99.204	
39 1,2-dichloroethane	62			9.515	9.515	(0.963)	4461	5.00000	4.321	
40 benzene	78			9.556	9.556	(0.967)	14607	5.00000	4.438	
* 41 flourobenzene	96			9.880	9.880	(1.000)	303189	100.000		
42 trichloroethene	95			10.508	10.508	(1.064)	3532	5.00000	4.154	
43 methyl cyclohexane	83			10.629	10.629	(1.076)	5759	5.00000	4.134	
44 1,2-dichloropropane	63			10.771	10.771	(1.090)	3463	5.00000	4.022	
45 bromodichloromethane	83			11.135	11.135	(1.127)	3679	5.00000	3.781	
46 1,4-Dioxane	88			11.146	11.146	(1.128)	4175	1000.00	835.832	
47 dibromomethane	93			11.216	11.216	(1.135)	1460	5.00000	3.717	
48 2-Chloroethylvinyl ether	63			11.601	11.601	(1.174)	1639	5.00000	3.791(A)	
49 4-methyl-2-pentanone	58			11.662	11.662	(1.180)	820	5.00000	3.579	
51 cis-1,3-dichloropropene	75			11.996	11.996	(1.214)	4973	5.00000	3.946	
\$ 52 toluene-d8	98			12.411	12.411	(0.829)	285403	100.000	100.570	
53 toluene	92			12.543	12.543	(0.838)	9294	5.00000	4.410	
54 ethyl-methacrylate	69			12.786	12.786	(0.855)	3536	5.00000	4.076	
55 trans-1,3-dichloropropene	75			12.806	12.806	(0.856)	3911	5.00000	3.728	
56 1,1,2-trichloroethane	83			13.080	13.080	(0.874)	2150	5.00000	4.397	
57 2-hexanone	43			13.080	13.080	(0.874)	1614	5.00000	4.348	
58 1,3-dichloropropane	76			13.495	13.495	(0.902)	4794	5.00000	4.422	
59 tetrachloroethene	166			13.637	13.637	(0.911)	3491	5.00000	4.336	
61 1,2-dibromoethane	107			14.305	14.305	(0.956)	2450	5.00000	4.158	
* 62 chlorobenzene-d5	117			14.963	14.963	(1.000)	213255	100.000		
63 chlorobenzene	112			15.024	15.024	(1.004)	9822	5.00000	4.351	
64 1,1,1,2-tetrachloroethane	131			15.095	15.095	(1.009)	2818	5.00000	3.942	
65 ethyl benzene	91			15.115	15.115	(1.010)	17223	5.00000	4.530	
66 p/m xylene	106			15.247	15.247	(1.019)	13443	10.0000	9.104	
67 o xylene	106			16.016	16.016	(1.070)	12984	10.0000	9.075	
68 styrene	104			16.067	16.067	(1.074)	22117	10.0000	9.236	
69 isopropylbenzene	105			16.654	16.654	(0.865)	15688	5.00000	4.422	
70 bromoform	173			16.664	16.664	(0.866)	1266	5.00000	3.595	
71 1,4-dichloro-2-butane	55			16.796	16.796	(0.873)	5560	5.00000	4.529	
72 1,1,2,2-tetrachloroethane	83			16.938	16.938	(0.880)	2764	5.00000	4.528	
\$ 73 4-bromofluorobenzene	95			17.090	17.090	(0.888)	111402	100.000	100.532	
74 1,2,3-trichloropropane	75			17.201	17.201	(0.894)	2320	5.00000	4.379	
76 n-propylbenzene	91			17.373	17.373	(0.903)	18102	5.00000	4.338	
77 bromobenzene	156			17.444	17.444	(0.906)	3831	5.00000	4.350	
78 4-ethyltoluene	105			17.576	17.576	(0.913)	14579	5.00000	4.183(A)	
79 1,3,5-trimethylbenzene	105			17.657	17.657	(0.917)	12894	5.00000	4.367	
80 2-chlorotoluene	91			17.687	17.687	(0.919)	13449	5.00000	4.611	
81 4-chorotoluene	91			17.778	17.778	(0.924)	13030	5.00000	4.689	
82 tert-butylbenzene	119			18.305	18.305	(0.951)	11181	5.00000	4.451	
83 1,2,4-trimethylbenzene	105			18.376	18.376	(0.955)	12272	5.00000	4.200	
84 sec-butylbenzene	105			18.700	18.700	(0.972)	15947	5.00000	4.415	
85 p-isopropyltoluene	119			18.943	18.943	(0.984)	12061	5.00000	4.163	
86 1,3-dichlorobenzene	146			19.115	19.115	(0.993)	7267	5.00000	4.644	
* 87 1,4-dichlorobenzene-d4	152			19.247	19.247	(1.000)	108356	100.000		
88 1,4-dichlorobenzene	146			19.307	19.307	(1.003)	7560	5.00000	4.769	
89 n-butylbenzene	91			19.702	19.702	(1.024)	11350	5.00000	3.879	
90 p-Diethylbenzene	119			19.722	19.722	(1.025)	6203	5.00000	3.806(A)	
91 1,2-dichlorobenzene	146			19.986	19.986	(1.038)	6583	5.00000	4.554	
92 1,2,4,5-tetramethylbenzene	119			21.140	21.140	(1.098)	7783	5.00000	3.532(A)	
94 1,2,4-trichlorobenzene	180			22.922	22.922	(1.191)	3613	5.00000	4.161	

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ngs)	ON -COL (ngs)
=====	=====	=====	=====	=====	=====	=====	=====	=====
95 hexachlorobutadiene	225	23.165	23.165	(1.204)	2138	5.00000	4.421	
96 naphthalene	128	23.327	23.327	(1.212)	5427	5.00000	3.827	
97 1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	2937	5.00000	4.112	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i

Lab File ID: 0817A02.D

Lab Smp Id:

Analysis Type: VOA

Quant Type: ISTD

Operator: PD

Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m

Misc Info: wg, ical

Calibration Date: 17-AUG-2010

Calibration Time: 19:53

Level: LOW

Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	299021	149511	598042	303189	1.39
62 chlorobenzene-d5	212970	106485	425940	213255	0.13
87 1,4-dichlorobenze	111308	55654	222616	108356	-2.65

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 17-AUG-2010 14:08

Client ID:

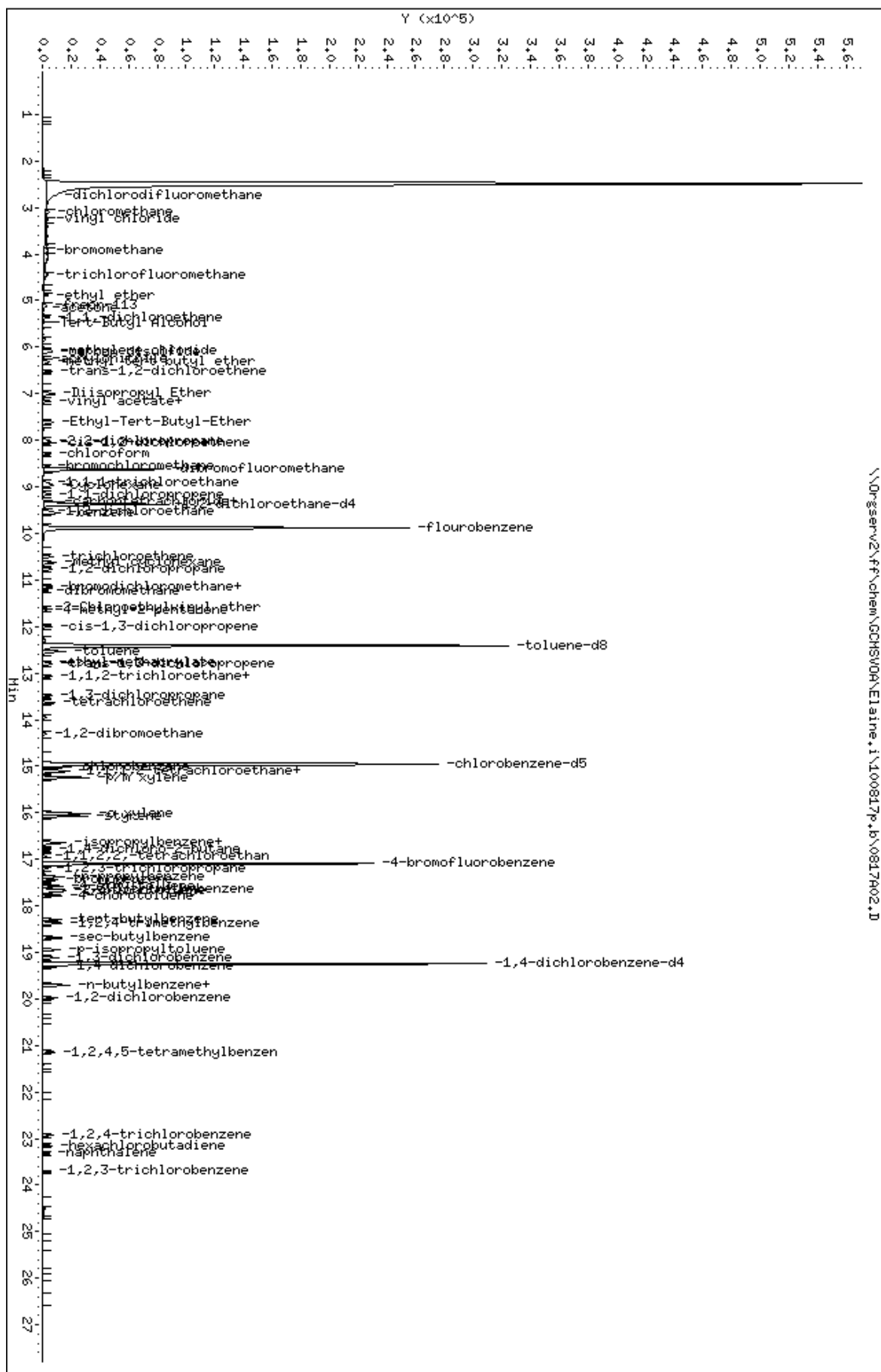
Instrument: Elaine.i

Sample Info: ICAL L1P

Purge Volume: 10.0

Column phase:

Operator: PD
Column diameter: 0.18



Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A02.D

Lab Smp Id:

Inj Date : 17-AUG-2010 14:08

Operator : PD

Inst ID: Elaine.i

Smp Info : ICAL L1

Misc Info : wg, ical

Comment :

Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m

Meth Date : 18-Aug-2010 08:39 Elaine.i Quant Type: ISTD

Cal Date : 17-AUG-2010 13:34 Cal File: 0817A01.D

Als bottle: 1 Calibration Sample, Level: 1

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: curve.sub

Target Version: 4.12

Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85	2.731	2.731 (0.276)		2865	5.00000	3.751	
2 chloromethane	50	3.095	3.095 (0.313)		4894	5.00000	5.499	
3 vinyl chloride	62	3.257	3.257 (0.330)		2161	5.00000	4.244	
4 bromomethane	94	3.915	3.915 (0.396)		702	5.00000	27.414	
5 chloroethane	64	4.037	4.037 (0.409)		1642	5.00000	3.867(QM)	M2
6 trichlorofluoromethane	101	4.442	4.442 (0.450)		3057	5.00000	3.578	
7 ethyl ether	74	4.877	4.877 (0.494)		1705	5.00000	3.935	
8 freon-113	101	5.120	5.120 (0.518)		2614	5.00000	3.745	
9 acetone	43	5.161	5.161 (0.522)		1371	5.00000	8.099	
10 1,1,-dichloroethene	96	5.363	5.363 (0.543)		2838	5.00000	4.031	
11 Tert-Butyl Alcohol	59	5.475	5.475 (0.554)		655	25.0000	12.772	
12 Methyl Acetate	43	5.850	5.850 (0.592)		2526	5.00000	5.315(M)	M2
13 methylene chloride	84	6.072	6.072 (0.615)		3913	5.00000	4.927	
14 carbon disulfide	76	6.103	6.103 (0.618)		8792	5.00000	4.030	
15 acrylonitrile	53	6.244	6.244 (0.632)		1016	5.00000	4.087	
16 methyl tert butyl ether	73	6.325	6.325 (0.640)		8722	5.00000	4.324	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		3277	5.00000	4.150	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		12627	5.00000	4.272	
21 vinyl acetate	43	7.146	7.146 (0.723)		4330	5.00000		
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		6080	5.00000	4.062	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611 (0.770)		11615	5.00000	4.349	
24 2-butanone	43	7.774	7.774 (0.787)		1021	5.00000	4.127(M)	M2
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		4431	5.00000	3.848	
26 Ethyl Acetate	43	8.027	8.027 (0.812)		3749	5.00000	5.997(AM)	M2
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		3576	5.00000	4.199	
28 chloroform	83	8.300	8.300 (0.840)		5649	5.00000	4.212	
29 bromochloromethane	128	8.553	8.553 (0.866)		1332	5.00000	3.764	
30 tetrahydrofuran	42	8.604	8.604 (0.871)		745	5.00000	4.296(QM)	M2

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113			8.624	8.624 (0.873)		64928	100.000	98.294	
33 1,1,1-trichloroethane	97			8.918	8.918 (0.903)		4589	5.00000	3.833	
34 Cyclohexane	56			8.968	8.968 (0.908)		6533	5.00000	4.135	
35 1,1-dichloropropene	75			9.161	9.161 (0.927)		4208	5.00000	3.887	
36 carbontetrachloride	117			9.323	9.323 (0.944)		3617	5.00000	3.610	
37 Tertiary-Amyl Methyl Ether	73			9.333	9.333 (0.945)		8840	5.00000	4.398	
\$ 38 1,2-dichloroethane-d4	65			9.373	9.373 (0.949)		73475	100.000	99.204	
39 1,2-dichloroethane	62			9.515	9.515 (0.963)		4461	5.00000	4.321	
40 benzene	78			9.556	9.556 (0.967)		14607	5.00000	4.438	
* 41 flourobenzene	96			9.880	9.880 (1.000)		303189	100.000		
42 trichloroethene	95			10.508	10.508 (1.064)		3532	5.00000	4.154	
43 methyl cyclohexane	83			10.629	10.629 (1.076)		5759	5.00000	4.134	
44 1,2-dichloropropane	63			10.771	10.771 (1.090)		3463	5.00000	4.022	
45 bromodichloromethane	83			11.135	11.135 (1.127)		3679	5.00000	3.781	
46 1,4-Dioxane	88			11.146	11.146 (1.128)		4175	1000.00	833.356	
47 dibromomethane	93			11.216	11.216 (1.135)		1460	5.00000	3.717	
48 2-Chloroethylvinyl ether	63			11.601	11.601 (1.174)		1639	5.00000	3.791(A)	
49 4-methyl-2-pentanone	58			11.662	11.662 (1.180)		820	5.00000	3.579	
51 cis-1,3-dichloropropene	75			11.996	11.996 (1.214)		4973	5.00000	3.946	
\$ 52 toluene-d8	98			12.411	12.411 (0.829)		285403	100.000	100.570	
53 toluene	92			12.543	12.543 (0.838)		9294	5.00000	4.410	
54 ethyl-methacrylate	69			12.786	12.786 (0.855)		3536	5.00000	4.076	
55 trans-1,3-dichloropropene	75			12.806	12.806 (0.856)		3911	5.00000	3.728	
56 1,1,2-trichloroethane	83			13.080	13.080 (0.874)		2150	5.00000	4.397	
57 2-hexanone	43			13.080	13.080 (0.874)		1614	5.00000	4.348	
58 1,3-dichloropropane	76			13.495	13.495 (0.902)		4794	5.00000	4.422	
59 tetrachloroethene	166			13.637	13.637 (0.911)		3491	5.00000	4.336	
60 chlorodibromomethane	129			13.951	13.951 (0.932)		2558	5.00000	3.905(M)	M2
61 1,2-dibromoethane	107			14.305	14.305 (0.956)		2450	5.00000	4.158	
* 62 chlorobenzene-d5	117			14.963	14.963 (1.000)		213255	100.000		
63 chlorobenzene	112			15.024	15.024 (1.004)		9822	5.00000	4.351	
64 1,1,1,2-tetrachloroethane	131			15.095	15.095 (1.009)		2818	5.00000	3.942	
65 ethyl benzene	91			15.115	15.115 (1.010)		17223	5.00000	4.530	
66 p/m xylene	106			15.247	15.247 (1.019)		13443	10.0000	9.104	
67 o xylene	106			16.016	16.016 (1.070)		12984	10.0000	9.075	
68 styrene	104			16.067	16.067 (1.074)		22443	10.0000	9.234(M)	M1
69 isopropylbenzene	105			16.654	16.654 (0.865)		15688	5.00000	4.422	
70 bromoform	173			16.664	16.664 (0.866)		1266	5.00000	3.595	
71 1,4-dichloro-2-butane	55			16.796	16.796 (0.873)		5560	5.00000	4.529	
72 1,1,2,2,-tetrachloroethane	83			16.938	16.938 (0.880)		2764	5.00000	4.528	
\$ 73 4-bromofluorobenzene	95			17.090	17.090 (0.888)		111402	100.000	100.532	
74 1,2,3-trichloropropane	75			17.201	17.201 (0.894)		2320	5.00000	4.379	
75 trans-1,4-dichloro-2-butene	53			17.312	17.312 (0.900)		798	5.00000	3.144(QM)	M2
76 n-propylbenzene	91			17.373	17.373 (0.903)		18102	5.00000	4.338	
77 bromobenzene	156			17.444	17.444 (0.906)		3831	5.00000	4.350	
78 4-ethyltoluene	105			17.576	17.576 (0.913)		14579	5.00000	4.183(A)	
79 1,3,5-trimethybenzene	105			17.657	17.657 (0.917)		12894	5.00000	4.367	
80 2-chlorotoluene	91			17.687	17.687 (0.919)		13449	5.00000	4.611	
81 4-chorotoluene	91			17.778	17.778 (0.924)		13030	5.00000	4.689	
82 tert-butylbenzene	119			18.305	18.305 (0.951)		11181	5.00000	4.451	
83 1,2,4-trimethylbenzene	105			18.376	18.376 (0.955)		12272	5.00000	4.200	
84 sec-butylbenzene	105			18.700	18.700 (0.972)		15947	5.00000	4.415	
85 p-isopropyltoluene	119			18.943	18.943 (0.984)		12061	5.00000	4.163	
86 1,3-dichlorobenzene	146			19.115	19.115 (0.993)		7267	5.00000	4.644	

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 87 1,4-dichlorobenzene-d4	152	19.247	19.247	(1.000)	108356	100.000			
88 1,4-dichlorobenzene	146	19.307	19.307	(1.003)	7560	5.00000	4.769		
89 n-butylbenzene	91	19.702	19.702	(1.024)	11350	5.00000	3.879		
90 p-Diethylbenzene	119	19.722	19.722	(1.025)	6203	5.00000	3.806(A)		
91 1,2-dichlorobenzene	146	19.986	19.986	(1.038)	6583	5.00000	4.554		
92 1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	7783	5.00000	3.532(A)		
94 1,2,4-trichlorobenzene	180	22.922	22.922	(1.191)	3613	5.00000	4.161		
95 hexachlorobutadiene	225	23.165	23.165	(1.204)	2138	5.00000	4.421		
96 naphthalene	128	23.327	23.327	(1.212)	5427	5.00000	3.827		
97 1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	2937	5.00000	4.112		

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i
 Lab File ID: 0817A02.D
 Lab Smp Id:
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: PD
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
 Misc Info: wg, ical

Calibration Date: 17-AUG-2010
 Calibration Time: 20:28
 Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	290403	145202	580806	303189	4.40
62 chlorobenzene-d5	206108	103054	412216	213255	3.47
87 1,4-dichlorobenze	106794	53397	213588	108356	1.46

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 17-AUG-2010 14:08

Client ID:

Sample Info: ICAL L1

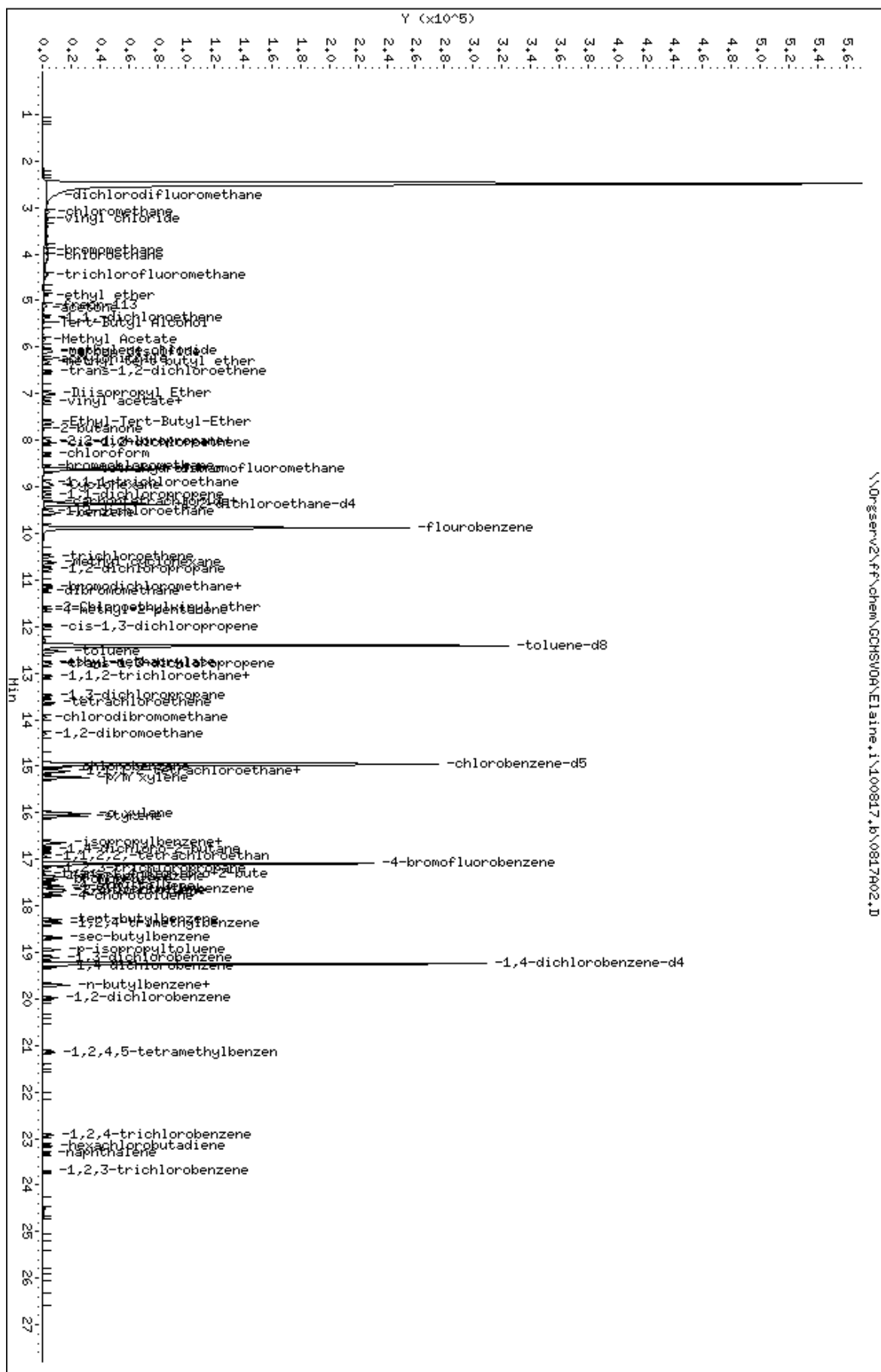
Purge Volume: 10.0

Column phase:

Instrument: Elaine.i

Operator: PD

Column diameter: 0.18



Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\0817A01.D

Lab Smp Id:

Inj Date : 17-AUG-2010 13:34

Operator : PD

Inst ID: Elaine.i

Smp Info : ICAL L2P

Misc Info : wg,ical

Comment :

Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m

Meth Date : 18-Aug-2010 08:40 Elaine.i Quant Type: ISTD

Cal Date : 17-AUG-2010 17:01 Cal File: 0817A07.D

Als bottle: 1 Calibration Sample, Level: 2

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: curve.sub

Target Version: 4.12

Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85	2.730	2.730 (0.276)		16070	20.0000	20.969	
2 chloromethane	50	3.095	3.095 (0.313)		19484	20.0000	21.916	
3 vinyl chloride	62	3.257	3.257 (0.330)		11469	20.0000	22.448	
4 bromomethane	94	3.925	3.925 (0.397)		3679	20.0000	38.406	
5 chloroethane	64	4.047	4.047 (0.410)		9427	20.0000	21.354	
6 trichlorofluoromethane	101	4.442	4.442 (0.450)		16971	20.0000	19.796	
7 ethyl ether	74	4.877	4.877 (0.494)		9103	20.0000	20.938	
8 freon-113	101	5.110	5.110 (0.517)		14253	20.0000	20.347	
9 acetone	43	5.161	5.161 (0.522)		4118	20.0000	24.584	
10 1,1,-dichloroethene	96	5.363	5.363 (0.543)		14455	20.0000	20.463	
11 Tert-Butyl Alcohol	59	5.475	5.475 (0.554)		4889	100.000	95.546	
12 Methyl Acetate	43	5.849	5.849 (0.592)		9862	20.0000	20.955	
13 methylene chloride	84	6.072	6.072 (0.615)		17304	20.0000	21.711	
14 carbon disulfide	76	6.102	6.102 (0.618)		46166	20.0000	21.089	
15 acrylonitrile	53	6.244	6.244 (0.632)		4679	20.0000	19.050	
16 methyl tert butyl ether	73	6.315	6.315 (0.639)		43020	20.0000	21.253	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		16487	20.0000	20.807	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		61503	20.0000	20.766	
21 vinyl acetate	43	7.145	7.145 (0.723)		23366	20.0000	14.477	
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		31378	20.0000	20.889	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611 (0.770)		55320	20.0000	20.641	
24 2-butanone	43	7.773	7.773 (0.787)		5535	20.0000	21.666	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		23991	20.0000	20.762	
26 Ethyl Acetate	43	8.026	8.026 (0.812)		13380	20.0000	22.060(A)	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		17959	20.0000	21.018	
28 chloroform	83	8.300	8.300 (0.840)		28229	20.0000	20.978	
29 bromochloromethane	128	8.553	8.553 (0.866)		7452	20.0000	20.986	
30 tetrahydrofuran	42	8.604	8.604 (0.871)		3458	20.0000	19.415	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
						CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113	8.624	8.624	(0.873)	65556	100.000	98.894	
33 1,1,1-trichloroethane	97	8.918	8.918	(0.903)	24763	20.0000	20.612	
34 Cyclohexane	56	8.968	8.968	(0.908)	33017	20.0000	20.827	
35 1,1-dichloropropene	75	9.161	9.161	(0.927)	22808	20.0000	20.995	
36 carbontetrachloride	117	9.312	9.312	(0.943)	20279	20.0000	20.171	
37 Tertiary-Amyl Methyl Ether	73	9.333	9.333	(0.945)	42482	20.0000	21.061	
\$ 38 1,2-dichloroethane-d4	65	9.373	9.373	(0.949)	74823	100.000	100.667	
39 1,2-dichloroethane	62	9.515	9.515	(0.963)	21987	20.0000	21.223	
40 benzene	78	9.555	9.555	(0.967)	71237	20.0000	21.570	
* 41 flourobenzene	96	9.880	9.880	(1.000)	304264	100.000		
42 trichloroethene	95	10.507	10.507	(1.064)	17153	20.0000	20.106	
43 methyl cyclohexane	83	10.629	10.629	(1.076)	30166	20.0000	21.582	
44 1,2-dichloropropane	63	10.771	10.771	(1.090)	18280	20.0000	21.158	
45 bromodichloromethane	83	11.135	11.135	(1.127)	19724	20.0000	20.203	
46 1,4-Dioxane	88	11.145	11.145	(1.128)	21495	4000.00	4288.082(A)	
47 dibromomethane	93	11.226	11.226	(1.136)	8393	20.0000	21.293	
48 2-Chloroethylvinyl ether	63	11.601	11.601	(1.174)	8709	20.0000	20.076(A)	
49 4-methyl-2-pentanone	58	11.652	11.652	(1.179)	4655	20.0000	20.247	
51 cis-1,3-dichloropropene	75	11.996	11.996	(1.214)	26234	20.0000	20.747	
\$ 52 toluene-d8	98	12.411	12.411	(0.829)	286042	100.000	100.365	
53 toluene	92	12.543	12.543	(0.838)	46536	20.0000	21.988	
54 ethyl-methacrylate	69	12.786	12.786	(0.855)	18526	20.0000	21.267	
55 trans-1,3-dichloropropene	75	12.816	12.816	(0.857)	22039	20.0000	20.921	
56 1,1,2-trichloroethane	83	13.079	13.079	(0.874)	10250	20.0000	20.874	
57 2-hexanone	43	13.079	13.079	(0.874)	7602	20.0000	20.395	
58 1,3-dichloropropane	76	13.495	13.495	(0.902)	22978	20.0000	21.107	
59 tetrachloroethene	166	13.636	13.636	(0.911)	16551	20.0000	20.471	
60 chlorodibromomethane	129	13.950	13.950	(0.932)	12652	20.0000	18.558	
61 1,2-dibromoethane	107	14.305	14.305	(0.956)	12591	20.0000	21.280	
* 62 chlorobenzene-d5	117	14.963	14.963	(1.000)	214170	100.000		
63 chlorobenzene	112	15.024	15.024	(1.004)	49750	20.0000	21.948	
64 1,1,1,2-tetrachloroethane	131	15.095	15.095	(1.009)	15273	20.0000	21.275	
65 ethyl benzene	91	15.115	15.115	(1.010)	86216	20.0000	22.582	
66 p/m xylene	106	15.246	15.246	(1.019)	67767	40.0000	45.702	
67 o xylene	106	16.016	16.016	(1.070)	65646	40.0000	45.689	
68 styrene	104	16.067	16.067	(1.074)	109327	40.0000	45.462	
69 isopropylbenzene	105	16.654	16.654	(0.865)	80977	20.0000	22.709	
70 bromoform	173	16.664	16.664	(0.866)	6846	20.0000	19.341	
71 1,4-dichloro-2-butane	55	16.796	16.796	(0.873)	26929	20.0000	21.826	
72 1,1,2,2,-tetrachloroethane	83	16.938	16.938	(0.880)	13452	20.0000	21.926	
\$ 73 4-bromofluorobenzene	95	17.089	17.089	(0.888)	113447	100.000	101.853	
74 1,2,3-trichloropropane	75	17.201	17.201	(0.894)	11690	20.0000	21.954	
75 trans-1,4-dichloro-2-butene	53	17.322	17.322	(0.900)	4888	20.0000	20.317	
76 n-propylbenzene	91	17.373	17.373	(0.903)	94532	20.0000	22.538	
77 bromobenzene	156	17.444	17.444	(0.906)	19351	20.0000	21.861	
78 4-ethyltoluene	105	17.575	17.575	(0.913)	75906	20.0000	21.667(A)	
79 1,3,5-trimethybenzene	105	17.656	17.656	(0.917)	67433	20.0000	22.725	
80 2-chlorotoluene	91	17.687	17.687	(0.919)	67295	20.0000	22.955	
81 4-chorotoluene	91	17.778	17.778	(0.924)	62218	20.0000	22.279	
82 tert-butylbenzene	119	18.305	18.305	(0.951)	56492	20.0000	22.374	
83 1,2,4-trimethylbenzene	105	18.375	18.375	(0.955)	64451	20.0000	21.948	
84 sec-butylbenzene	105	18.699	18.699	(0.972)	81004	20.0000	22.316	
85 p-isopropyltoluene	119	18.943	18.943	(0.984)	63932	20.0000	21.956	
86 1,3-dichlorobenzene	146	19.115	19.115	(0.993)	35066	20.0000	22.296	

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 87 1,4-dichlorobenzene-d4	152	19.246	19.246	(1.000)	108914	100.000			
88 1,4-dichlorobenzene	146	19.307	19.307	(1.003)	35765	20.0000	22.447		
89 n-butylbenzene	91	19.702	19.702	(1.024)	63340	20.0000	21.537		
90 p-Diethylbenzene	119	19.722	19.722	(1.025)	35094	20.0000	21.427(A)		
91 1,2-dichlorobenzene	146	19.986	19.986	(1.038)	32622	20.0000	22.453		
92 1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	43072	20.0000	19.451(A)		
93 1,2-dibromo-3-chloropropane	75	21.423	21.423	(1.113)	1956	20.0000	18.247		
94 1,2,4-trichlorobenzene	180	22.932	22.932	(1.192)	17573	20.0000	20.135		
95 hexachlorobutadiene	225	23.165	23.165	(1.204)	11103	20.0000	22.846		
96 naphthalene	128	23.327	23.327	(1.212)	26112	20.0000	18.323		
97 1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	14666	20.0000	20.432		

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i
 Lab File ID: 0817A01.D
 Lab Smp Id:
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: PD
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m
 Misc Info: wg, ical

Calibration Date: 17-AUG-2010
 Calibration Time: 19:53

Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	299021	149511	598042	304264	1.75
62 chlorobenzene-d5	212970	106485	425940	214170	0.56
87 1,4-dichlorobenze	111308	55654	222616	108914	-2.15

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	-0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	-0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A01.D
Lab Smp Id:
Inj Date : 17-AUG-2010 13:34
Operator : PD Inst ID: Elaine.i
Smp Info : ICAL L2
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
Meth Date : 18-Aug-2010 08:39 Elaine.i Quant Type: ISTD
Cal Date : 17-AUG-2010 17:01 Cal File: 0817A07.D
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85	2.730	2.730 (0.276)		16070	20.0000	20.969	
2 chloromethane	50	3.095	3.095 (0.313)		19484	20.0000	21.817	
3 vinyl chloride	62	3.257	3.257 (0.330)		11469	20.0000	22.448	
4 bromomethane	94	3.925	3.925 (0.397)		3679	20.0000	38.406	
5 chloroethane	64	4.047	4.047 (0.410)		9427	20.0000	22.124	
6 trichlorofluoromethane	101	4.442	4.442 (0.450)		16971	20.0000	19.796	
7 ethyl ether	74	4.877	4.877 (0.494)		9103	20.0000	20.938	
8 freon-113	101	5.110	5.110 (0.517)		14253	20.0000	20.347	
9 acetone	43	5.161	5.161 (0.522)		4118	20.0000	24.242	
10 1,1,-dichloroethene	96	5.363	5.363 (0.543)		14455	20.0000	20.463	
11 Tert-Butyl Alcohol	59	5.475	5.475 (0.554)		4889	100.000	94.996	
12 Methyl Acetate	43	5.849	5.849 (0.592)		9862	20.0000	20.679	
13 methylene chloride	84	6.072	6.072 (0.615)		17304	20.0000	21.711	
14 carbon disulfide	76	6.102	6.102 (0.618)		46166	20.0000	21.089	
15 acrylonitrile	53	6.244	6.244 (0.632)		4679	20.0000	18.759	
16 methyl tert butyl ether	73	6.315	6.315 (0.639)		43020	20.0000	21.253	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		16487	20.0000	20.807	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		62106	20.0000	20.939(M)	M1
21 vinyl acetate	43	7.145	7.145 (0.723)		23366	20.0000	14.477	
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		31378	20.0000	20.889	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611 (0.770)		55320	20.0000	20.641	
24 2-butanone	43	7.773	7.773 (0.787)		5535	20.0000	22.296	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		23991	20.0000	20.762	
26 Ethyl Acetate	43	8.026	8.026 (0.812)		13380	20.0000	21.327(A)	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		17959	20.0000	21.018	
28 chloroform	83	8.300	8.300 (0.840)		28229	20.0000	20.978	
29 bromochloromethane	128	8.553	8.553 (0.866)		7452	20.0000	20.986	
30 tetrahydrofuran	42	8.604	8.604 (0.871)		3458	20.0000	19.871	

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113	8.624	8.624 (0.873)		65556	100.000	98.894	
33 1,1,1-trichloroethane	97	8.918	8.918 (0.903)		24763	20.0000	20.612	
34 Cyclohexane	56	8.968	8.968 (0.908)		33017	20.0000	20.827	
35 1,1-dichloropropene	75	9.161	9.161 (0.927)		22808	20.0000	20.995	
36 carbontetrachloride	117	9.312	9.312 (0.943)		20279	20.0000	20.171	
37 Tertiary-Amyl Methyl Ether	73	9.333	9.333 (0.945)		42482	20.0000	21.061	
\$ 38 1,2-dichloroethane-d4	65	9.373	9.373 (0.949)		74823	100.000	100.667	
39 1,2-dichloroethane	62	9.515	9.515 (0.963)		21987	20.0000	21.223	
40 benzene	78	9.555	9.555 (0.967)		71237	20.0000	21.570	
* 41 flourobenzene	96	9.880	9.880 (1.000)		304264	100.000		
42 trichloroethene	95	10.507	10.507 (1.064)		17153	20.0000	20.106	
43 methyl cyclohexane	83	10.629	10.629 (1.076)		30166	20.0000	21.582	
44 1,2-dichloropropane	63	10.771	10.771 (1.090)		18280	20.0000	21.158	
45 bromodichloromethane	83	11.135	11.135 (1.127)		19724	20.0000	20.203	
46 1,4-Dioxane	88	11.145	11.145 (1.128)		21912	4000.00	4358.322(AM)	M1
47 dibromomethane	93	11.226	11.226 (1.136)		8393	20.0000	21.293	
48 2-Chloroethylvinyl ether	63	11.601	11.601 (1.174)		8709	20.0000	20.076(A)	
49 4-methyl-2-pentanone	58	11.652	11.652 (1.179)		4655	20.0000	20.247	
51 cis-1,3-dichloropropene	75	11.996	11.996 (1.214)		26234	20.0000	20.747	
\$ 52 toluene-d8	98	12.411	12.411 (0.829)		286042	100.000	100.365	
53 toluene	92	12.543	12.543 (0.838)		46536	20.0000	21.988	
54 ethyl-methacrylate	69	12.786	12.786 (0.855)		18526	20.0000	21.267	
55 trans-1,3-dichloropropene	75	12.816	12.816 (0.857)		22039	20.0000	20.921	
56 1,1,2-trichloroethane	83	13.079	13.079 (0.874)		10250	20.0000	20.874	
57 2-hexanone	43	13.079	13.079 (0.874)		7602	20.0000	20.395	
58 1,3-dichloropropane	76	13.495	13.495 (0.902)		22978	20.0000	21.107	
59 tetrachloroethene	166	13.636	13.636 (0.911)		16551	20.0000	20.471	
60 chlorodibromomethane	129	13.950	13.950 (0.932)		12652	20.0000	19.235	
61 1,2-dibromoethane	107	14.305	14.305 (0.956)		12591	20.0000	21.280	
* 62 chlorobenzene-d5	117	14.963	14.963 (1.000)		214170	100.000		
63 chlorobenzene	112	15.024	15.024 (1.004)		49750	20.0000	21.948	
64 1,1,1,2-tetrachloroethane	131	15.095	15.095 (1.009)		15273	20.0000	21.275	
65 ethyl benzene	91	15.115	15.115 (1.010)		86216	20.0000	22.582	
66 p/m xylene	106	15.246	15.246 (1.019)		67767	40.0000	45.702	
67 o xylene	106	16.016	16.016 (1.070)		65646	40.0000	45.689	
68 styrene	104	16.067	16.067 (1.074)		111197	40.0000	45.560(M)	M1
69 isopropylbenzene	105	16.654	16.654 (0.865)		80977	20.0000	22.709	
70 bromoform	173	16.664	16.664 (0.866)		6846	20.0000	19.341	
71 1,4-dichloro-2-butane	55	16.796	16.796 (0.873)		26929	20.0000	21.826	
72 1,1,2,2-tetrachloroethane	83	16.938	16.938 (0.880)		13452	20.0000	21.926	
\$ 73 4-bromofluorobenzene	95	17.089	17.089 (0.888)		113447	100.000	101.853	
74 1,2,3-trichloropropane	75	17.201	17.201 (0.894)		11690	20.0000	21.954	
75 trans-1,4-dichloro-2-butene	53	17.322	17.322 (0.900)		4888	20.0000	19.164	
76 n-propylbenzene	91	17.373	17.373 (0.903)		94532	20.0000	22.538	
77 bromobenzene	156	17.444	17.444 (0.906)		19351	20.0000	21.861	
78 4-ethyltoluene	105	17.575	17.575 (0.913)		75906	20.0000	21.667(A)	
79 1,3,5-trimethybenzene	105	17.656	17.656 (0.917)		67433	20.0000	22.725	
80 2-chlorotoluene	91	17.687	17.687 (0.919)		67295	20.0000	22.955	
81 4-chorotoluene	91	17.778	17.778 (0.924)		62218	20.0000	22.279	
82 tert-butylbenzene	119	18.305	18.305 (0.951)		56492	20.0000	22.374	
83 1,2,4-trimethylbenzene	105	18.375	18.375 (0.955)		64451	20.0000	21.948	
84 sec-butylbenzene	105	18.699	18.699 (0.972)		81004	20.0000	22.316	
85 p-isopropyltoluene	119	18.943	18.943 (0.984)		63932	20.0000	21.956	
86 1,3-dichlorobenzene	146	19.115	19.115 (0.993)		35066	20.0000	22.296	

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 87 1,4-dichlorobenzene-d4	152	19.246	19.246	(1.000)	108914	100.000			
88 1,4-dichlorobenzene	146	19.307	19.307	(1.003)	35765	20.0000	22.447		
89 n-butylbenzene	91	19.702	19.702	(1.024)	63340	20.0000	21.537		
90 p-Diethylbenzene	119	19.722	19.722	(1.025)	35094	20.0000	21.427(A)		
91 1,2-dichlorobenzene	146	19.986	19.986	(1.038)	32622	20.0000	22.453		
92 1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	43072	20.0000	19.451(A)		
93 1,2-dibromo-3-chloropropane	75	21.423	21.423	(1.113)	1956	20.0000	18.247		
94 1,2,4-trichlorobenzene	180	22.932	22.932	(1.192)	17573	20.0000	20.135		
95 hexachlorobutadiene	225	23.165	23.165	(1.204)	11103	20.0000	22.846		
96 naphthalene	128	23.327	23.327	(1.212)	26112	20.0000	18.323		
97 1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	14666	20.0000	20.432		

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i
 Lab File ID: 0817A01.D
 Lab Smp Id:
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: PD
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
 Misc Info: wg, ical

Calibration Date: 17-AUG-2010
 Calibration Time: 20:28

Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	290403	145202	580806	304264	4.77
62 chlorobenzene-d5	206108	103054	412216	214170	3.91
87 1,4-dichlorobenze	106794	53397	213588	108914	1.99

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	-0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	-0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\0817A03.D
Lab Smp Id:
Inj Date : 17-AUG-2010 14:43
Operator : PD Inst ID: Elaine.i
Smp Info : ICAL L3P
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m
Meth Date : 18-Aug-2010 08:40 Elaine.i Quant Type: ISTD
Cal Date : 17-AUG-2010 14:08 Cal File: 0817A02.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85	2.730	2.730 (0.276)		81023	100.000	105.567	
2 chloromethane	50	3.095	3.095 (0.313)		88577	100.000	99.486	
3 vinyl chloride	62	3.257	3.257 (0.330)		57713	100.000	112.789	
4 bromomethane	94	3.915	3.915 (0.396)		19523	100.000	96.850	
5 chloroethane	64	4.047	4.047 (0.410)		46063	100.000	104.184	
6 trichlorofluoromethane	101	4.442	4.442 (0.450)		90423	100.000	105.320	
7 ethyl ether	74	4.877	4.877 (0.494)		47022	100.000	107.997	
8 freon-113	101	5.110	5.110 (0.517)		75542	100.000	107.681	
9 acetone	43	5.151	5.151 (0.521)		17651	100.000	105.215	
10 1,1,-dichloroethene	96	5.363	5.363 (0.543)		74327	100.000	105.062	
11 Tert-Butyl Alcohol	59	5.475	5.475 (0.554)		25952	500.000	506.415	
12 Methyl Acetate	43	5.849	5.849 (0.592)		47570	100.000	100.928	
13 methylene chloride	84	6.072	6.072 (0.615)		83273	100.000	104.325	
14 carbon disulfide	76	6.103	6.103 (0.618)		235894	100.000	107.599	
15 acrylonitrile	53	6.244	6.244 (0.632)		24361	100.000	99.034	
16 methyl tert butyl ether	73	6.315	6.315 (0.639)		218911	100.000	107.984	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		81727	100.000	102.990	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		313574	100.000	105.717	
21 vinyl acetate	43	7.146	7.146 (0.723)		102785	100.000	110.548	
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		158651	100.000	105.461	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611 (0.770)		285662	100.000	106.425	
24 2-butanone	43	7.763	7.763 (0.786)		26587	100.000	103.917	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		122136	100.000	105.541	
26 Ethyl Acetate	43	8.027	8.027 (0.812)		64287	100.000	105.835(A)	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		88895	100.000	103.880	
28 chloroform	83	8.300	8.300 (0.840)		142292	100.000	105.585	
29 bromochloromethane	128	8.553	8.553 (0.866)		38414	100.000	108.017	
30 tetrahydrofuran	42	8.594	8.594 (0.870)		18705	100.000	104.863	

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113	8.624	8.624 (0.873)		66076	100.000	99.528	
33 1,1,1-trichloroethane	97	8.918	8.918 (0.903)		128150	100.000	106.507	
34 Cyclohexane	56	8.958	8.958 (0.907)		170027	100.000	107.091	
35 1,1-dichloropropene	75	9.161	9.161 (0.927)		114619	100.000	105.353	
36 carbontetrachloride	117	9.313	9.313 (0.943)		106263	100.000	105.540	
37 Tertiary-Amyl Methyl Ether	73	9.333	9.333 (0.945)		217905	100.000	107.868	
\$ 38 1,2-dichloroethane-d4	65	9.373	9.373 (0.949)		73653	100.000	98.943	
39 1,2-dichloroethane	62	9.515	9.515 (0.963)		109760	100.000	105.786	
40 benzene	78	9.556	9.556 (0.967)		352086	100.000	106.449	
* 41 flourobenzene	96	9.880	9.880 (1.000)		304725	100.000		
42 trichloroethene	95	10.507	10.507 (1.064)		88390	100.000	103.451	
43 methyl cyclohexane	83	10.629	10.629 (1.076)		151067	100.000	107.918	
44 1,2-dichloropropane	63	10.771	10.771 (1.090)		91607	100.000	105.872	
45 bromodichloromethane	83	11.135	11.135 (1.127)		104345	100.000	106.720	
46 1,4-Dioxane	88	11.145	11.145 (1.128)		52169	10000.0	10391.558(A)	
47 dibromomethane	93	11.226	11.226 (1.136)		42647	100.000	108.034	
48 2-Chloroethylvinyl ether	63	11.601	11.601 (1.174)		46548	100.000	107.143(A)	
49 4-methyl-2-pentanone	58	11.652	11.652 (1.179)		24723	100.000	107.374	
51 cis-1,3-dichloropropene	75	11.996	11.996 (1.214)		134980	100.000	106.590	
\$ 52 toluene-d8	98	12.411	12.411 (0.829)		287963	100.000	100.679	
53 toluene	92	12.543	12.543 (0.838)		226685	100.000	106.728	
54 ethyl-methacrylate	69	12.786	12.786 (0.855)		96248	100.000	110.098	
55 trans-1,3-dichloropropene	75	12.816	12.816 (0.857)		114412	100.000	108.222	
56 1,1,2-trichloroethane	83	13.079	13.079 (0.874)		52298	100.000	106.129	
57 2-hexanone	43	13.079	13.079 (0.874)		40501	100.000	108.275	
58 1,3-dichloropropane	76	13.495	13.495 (0.902)		116987	100.000	107.080	
59 tetrachloroethene	166	13.636	13.636 (0.911)		85924	100.000	105.900	
60 chlorodibromomethane	129	13.950	13.950 (0.932)		68769	100.000	100.516	
61 1,2-dibromoethane	107	14.305	14.305 (0.956)		62254	100.000	104.841	
* 62 chlorobenzene-d5	117	14.963	14.963 (1.000)		214936	100.000		
63 chlorobenzene	112	15.024	15.024 (1.004)		244412	100.000	107.446	
64 1,1,1,2-tetrachloroethane	131	15.095	15.095 (1.009)		77944	100.000	108.190	
65 ethyl benzene	91	15.115	15.115 (1.010)		418882	100.000	109.328	
66 p/m xylene	106	15.247	15.247 (1.019)		328192	200.000	220.545	
67 o xylene	106	16.016	16.016 (1.070)		324302	200.000	224.908	
68 styrene	104	16.067	16.067 (1.074)		546812	200.000	226.577	
69 isopropylbenzene	105	16.654	16.654 (0.865)		397965	100.000	109.049	
70 bromoform	173	16.664	16.664 (0.866)		39247	100.000	108.338	
71 1,4-dichloro-2-butane	55	16.796	16.796 (0.873)		135192	100.000	107.064	
72 1,1,2,2,-tetrachloroethane	83	16.938	16.938 (0.880)		67726	100.000	107.862	
\$ 73 4-bromofluorobenzene	95	17.089	17.089 (0.888)		113726	100.000	99.764	
74 1,2,3-trichloropropane	75	17.201	17.201 (0.894)		57180	100.000	104.927	
75 trans-1,4-dichloro-2-butene	53	17.322	17.322 (0.900)		25555	100.000	103.789	
76 n-propylbenzene	91	17.373	17.373 (0.903)		463982	100.000	108.089	
77 bromobenzene	156	17.444	17.444 (0.906)		97386	100.000	107.499	
78 4-ethyltoluene	105	17.576	17.576 (0.913)		398892	100.000	111.257(A)	
79 1,3,5-trimethybenzene	105	17.657	17.657 (0.917)		334709	100.000	110.217	
80 2-chlorotoluene	91	17.687	17.687 (0.919)		325278	100.000	108.415	
81 4-chorotoluene	91	17.778	17.778 (0.924)		305528	100.000	106.899	
82 tert-butylbenzene	119	18.305	18.305 (0.951)		275843	100.000	106.747	
83 1,2,4-trimethylbenzene	105	18.376	18.376 (0.955)		323714	100.000	107.712	
84 sec-butylbenzene	105	18.689	18.689 (0.971)		396428	100.000	106.712	
85 p-isopropyltoluene	119	18.943	18.943 (0.984)		317863	100.000	106.665	
86 1,3-dichlorobenzene	146	19.115	19.115 (0.993)		171378	100.000	106.470	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
						CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 87 1,4-dichlorobenzene-d4	152	19.246	19.246	(1.000)	111468	100.000		
88 1,4-dichlorobenzene	146	19.307	19.307	(1.003)	172459	100.000	105.763	
89 n-butylbenzene	91	19.702	19.702	(1.024)	328262	100.000	109.059	
90 p-Diethylbenzene	119	19.722	19.722	(1.025)	188032	100.000	112.177(A)	
91 1,2-dichlorobenzene	146	19.986	19.986	(1.038)	159223	100.000	107.080	
92 1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	247052	100.000	109.011(A)	
93 1,2-dibromo-3-chloropropane	75	21.424	21.424	(1.113)	11060	100.000	100.814	
94 1,2,4-trichlorobenzene	180	22.932	22.932	(1.192)	93108	100.000	104.238	
95 hexachlorobutadiene	225	23.165	23.165	(1.204)	52097	100.000	104.742	
96 naphthalene	128	23.327	23.327	(1.212)	148753	100.000	101.989	
97 1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	76699	100.000	104.406	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i
 Lab File ID: 0817A03.D
 Lab Smp Id:
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: PD
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m
 Misc Info: wg, ical

Calibration Date: 17-AUG-2010
 Calibration Time: 14:43
 Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	304725	152363	609450	304725	0.00
62 chlorobenzene-d5	214936	107468	429872	214936	0.00
87 1,4-dichlorobenze	111468	55734	222936	111468	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dmgserver2\ff\chem\GCMS\0A\EI\laine,i\100817p,b\0817A03.L

Date : 17-AUG-2010 14:43

Client ID:

Sample Info: ICAL L3P

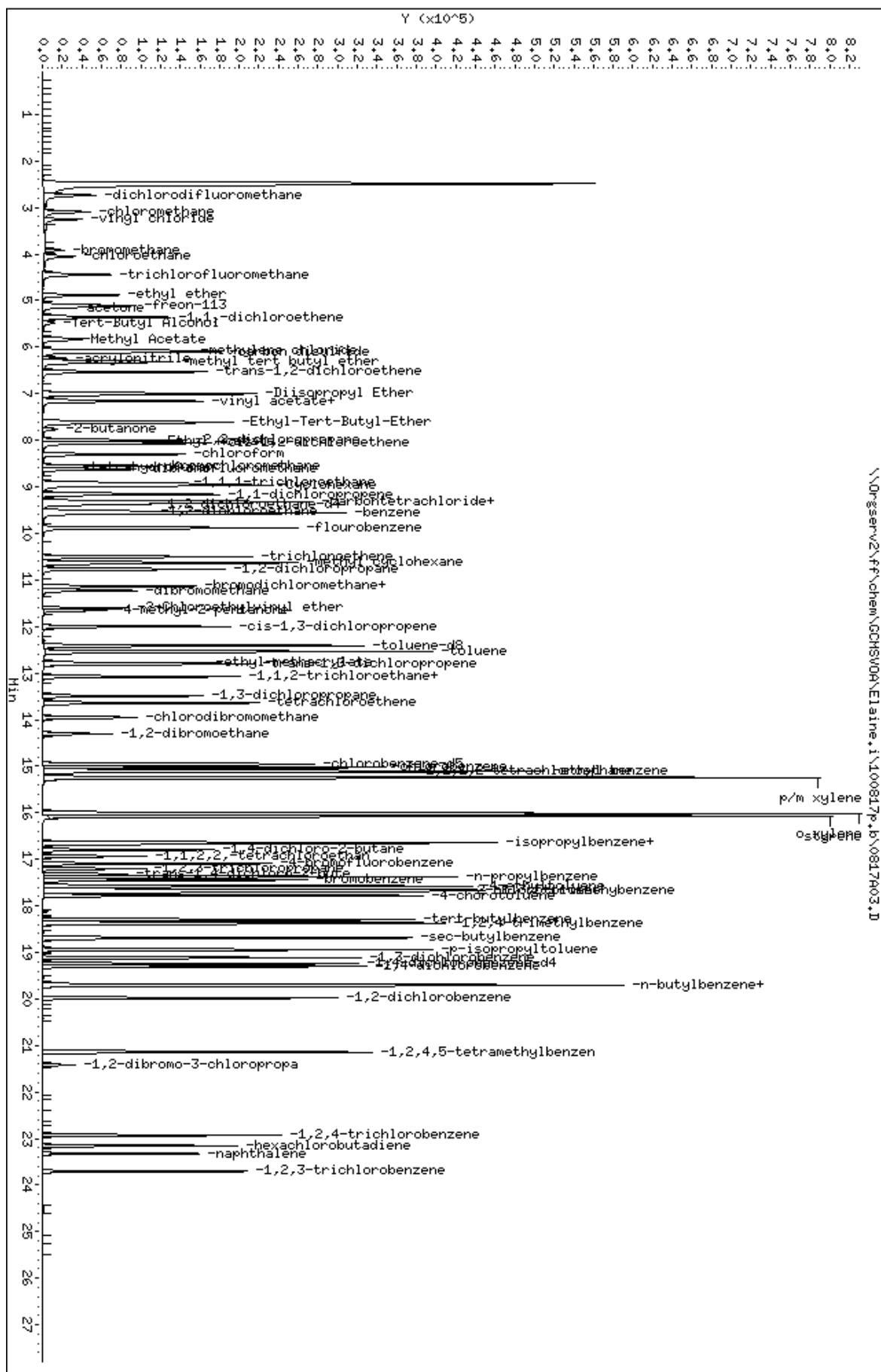
Purge Volume: 10.0

Column phase†

Instrument: Elaine, 1

Operator: PID

Column diameter: 0.18



Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A03.D
Lab Smp Id:
Inj Date : 17-AUG-2010 14:43
Operator : PD Inst ID: Elaine.i
Smp Info : ICAL L3
Misc Info : wg, ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
Meth Date : 18-Aug-2010 08:39 Elaine.i Quant Type: ISTD
Cal Date : 17-AUG-2010 14:08 Cal File: 0817A02.D
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85	2.730	2.730 (0.276)		81023	100.000	105.567	
2 chloromethane	50	3.095	3.095 (0.313)		91405	100.000	102.199(M)	M1
3 vinyl chloride	62	3.257	3.257 (0.330)		57713	100.000	112.789	
4 bromomethane	94	3.915	3.915 (0.396)		19523	100.000	96.850	
5 chloroethane	64	4.047	4.047 (0.410)		46496	100.000	108.956(QM)	M1
6 trichlorofluoromethane	101	4.442	4.442 (0.450)		90423	100.000	105.320	
7 ethyl ether	74	4.877	4.877 (0.494)		47022	100.000	107.997	
8 freon-113	101	5.110	5.110 (0.517)		75542	100.000	107.681	
9 acetone	43	5.151	5.151 (0.521)		17651	100.000	103.752	
10 1,1,-dichloroethene	96	5.363	5.363 (0.543)		74327	100.000	105.062	
11 Tert-Butyl Alcohol	59	5.475	5.475 (0.554)		26842	500.000	520.767(M)	M1
12 Methyl Acetate	43	5.849	5.849 (0.592)		48336	100.000	101.201(M)	M1
13 methylene chloride	84	6.072	6.072 (0.615)		83273	100.000	104.325	
14 carbon disulfide	76	6.103	6.103 (0.618)		235894	100.000	107.599	
15 acrylonitrile	53	6.244	6.244 (0.632)		27033	100.000	108.217(M)	M1
16 methyl tert butyl ether	73	6.315	6.315 (0.639)		218911	100.000	107.984	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		81727	100.000	102.990	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		313574	100.000	105.563	
21 vinyl acetate	43	7.146	7.146 (0.723)		102785	100.000	110.548	
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		158651	100.000	105.461	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611 (0.770)		285662	100.000	106.425	
24 2-butanone	43	7.763	7.763 (0.786)		26587	100.000	106.939(Q)	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		122136	100.000	105.541	
26 Ethyl Acetate	43	8.027	8.027 (0.812)		64287	100.000	102.317(A)	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		88895	100.000	103.880	
28 chloroform	83	8.300	8.300 (0.840)		142292	100.000	105.585	
29 bromochloromethane	128	8.553	8.553 (0.866)		38414	100.000	108.017	
30 tetrahydrofuran	42	8.594	8.594 (0.870)		18705	100.000	107.323(Q)	

						AMOUNTS		
		QUANT	SIG					
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113	8.624	8.624	(0.873)	66076	100.000	99.528	
33 1,1,1-trichloroethane	97	8.918	8.918	(0.903)	128150	100.000	106.507	
34 Cyclohexane	56	8.958	8.958	(0.907)	170027	100.000	107.091	
35 1,1-dichloropropene	75	9.161	9.161	(0.927)	114619	100.000	105.353	
36 carbontetrachloride	117	9.313	9.313	(0.943)	106263	100.000	105.540	
37 Tertiary-Amyl Methyl Ether	73	9.333	9.333	(0.945)	217905	100.000	107.868	
\$ 38 1,2-dichloroethane-d4	65	9.373	9.373	(0.949)	73653	100.000	98.943	
39 1,2-dichloroethane	62	9.515	9.515	(0.963)	109760	100.000	105.786	
40 benzene	78	9.556	9.556	(0.967)	352086	100.000	106.449	
* 41 flourobenzene	96	9.880	9.880	(1.000)	304725	100.000		
42 trichloroethene	95	10.507	10.507	(1.064)	88390	100.000	103.451	
43 methyl cyclohexane	83	10.629	10.629	(1.076)	151067	100.000	107.918	
44 1,2-dichloropropane	63	10.771	10.771	(1.090)	91607	100.000	105.872	
45 bromodichloromethane	83	11.135	11.135	(1.127)	104345	100.000	106.720	
46 1,4-Dioxane	88	11.145	11.145	(1.128)	52169	10000.0	10360.776(A)	
47 dibromomethane	93	11.226	11.226	(1.136)	42647	100.000	108.034	
48 2-Chloroethylvinyl ether	63	11.601	11.601	(1.174)	46548	100.000	107.143(A)	
49 4-methyl-2-pentanone	58	11.652	11.652	(1.179)	24723	100.000	107.374	
51 cis-1,3-dichloropropene	75	11.996	11.996	(1.214)	134980	100.000	106.590	
\$ 52 toluene-d8	98	12.411	12.411	(0.829)	287963	100.000	100.679	
53 toluene	92	12.543	12.543	(0.838)	226685	100.000	106.728	
54 ethyl-methacrylate	69	12.786	12.786	(0.855)	96248	100.000	110.098	
55 trans-1,3-dichloropropene	75	12.816	12.816	(0.857)	114412	100.000	108.222	
56 1,1,2-trichloroethane	83	13.079	13.079	(0.874)	52298	100.000	106.129	
57 2-hexanone	43	13.079	13.079	(0.874)	40501	100.000	108.275	
58 1,3-dichloropropane	76	13.495	13.495	(0.902)	116987	100.000	107.080	
59 tetrachloroethene	166	13.636	13.636	(0.911)	85924	100.000	105.900	
60 chlorodibromomethane	129	13.950	13.950	(0.932)	68769	100.000	104.182	
61 1,2-dibromoethane	107	14.305	14.305	(0.956)	62254	100.000	104.841	
* 62 chlorobenzene-d5	117	14.963	14.963	(1.000)	214936	100.000		
63 chlorobenzene	112	15.024	15.024	(1.004)	244412	100.000	107.446	
64 1,1,1,2-tetrachloroethane	131	15.095	15.095	(1.009)	77944	100.000	108.190	
65 ethyl benzene	91	15.115	15.115	(1.010)	418882	100.000	109.328	
66 p/m xylene	106	15.247	15.247	(1.019)	328192	200.000	220.545	
67 o xylene	106	16.016	16.016	(1.070)	324302	200.000	224.908	
68 styrene	104	16.067	16.067	(1.074)	556058	200.000	227.020(M)	M1
69 isopropylbenzene	105	16.654	16.654	(0.865)	397965	100.000	109.049	
70 bromoform	173	16.664	16.664	(0.866)	39247	100.000	108.338	
71 1,4-dichloro-2-butane	55	16.796	16.796	(0.873)	135192	100.000	107.064	
72 1,1,2,2,-tetrachloroethane	83	16.938	16.938	(0.880)	67726	100.000	107.862	
\$ 73 4-bromofluorobenzene	95	17.089	17.089	(0.888)	113726	100.000	99.764	
74 1,2,3-trichloropropane	75	17.201	17.201	(0.894)	57180	100.000	104.927	
75 trans-1,4-dichloro-2-butene	53	17.322	17.322	(0.900)	26863	100.000	102.908(QM)	M1
76 n-propylbenzene	91	17.373	17.373	(0.903)	463982	100.000	108.089	
77 bromobenzene	156	17.444	17.444	(0.906)	97386	100.000	107.499	
78 4-ethyltoluene	105	17.576	17.576	(0.913)	398892	100.000	111.257(A)	
79 1,3,5-trimethybenzene	105	17.657	17.657	(0.917)	334709	100.000	110.217	
80 2-chlorotoluene	91	17.687	17.687	(0.919)	325278	100.000	108.415	
81 4-chorotoluene	91	17.778	17.778	(0.924)	305528	100.000	106.899	
82 tert-butylbenzene	119	18.305	18.305	(0.951)	275843	100.000	106.747	
83 1,2,4-trimethylbenzene	105	18.376	18.376	(0.955)	323714	100.000	107.712	
84 sec-butylbenzene	105	18.689	18.689	(0.971)	396428	100.000	106.712	
85 p-isopropyltoluene	119	18.943	18.943	(0.984)	317863	100.000	106.665	
86 1,3-dichlorobenzene	146	19.115	19.115	(0.993)	171378	100.000	106.470	

						AMOUNTS				
		QUANT	SIG					CAL -AMT	ON -COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE	
=====		=====	=====	=====	=====	=====	=====	=====	=====	
* 87	1,4-dichlorobenzene-d4	152	19.246	19.246	(1.000)	111468	100.000			
88	1,4-dichlorobenzene	146	19.307	19.307	(1.003)	172459	100.000	105.763		
89	n-butylbenzene	91	19.702	19.702	(1.024)	328262	100.000	109.059		
90	p-Diethylbenzene	119	19.722	19.722	(1.025)	188032	100.000	112.177(A)		
91	1,2-dichlorobenzene	146	19.986	19.986	(1.038)	159223	100.000	107.080		
92	1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	247052	100.000	109.011(A)		
93	1,2-dibromo-3-chloropropane	75	21.424	21.424	(1.113)	11060	100.000	100.814		
94	1,2,4-trichlorobenzene	180	22.932	22.932	(1.192)	93108	100.000	104.238		
95	hexachlorobutadiene	225	23.165	23.165	(1.204)	52097	100.000	104.742		
96	naphthalene	128	23.327	23.327	(1.212)	148753	100.000	101.989		
97	1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	76699	100.000	104.406		

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

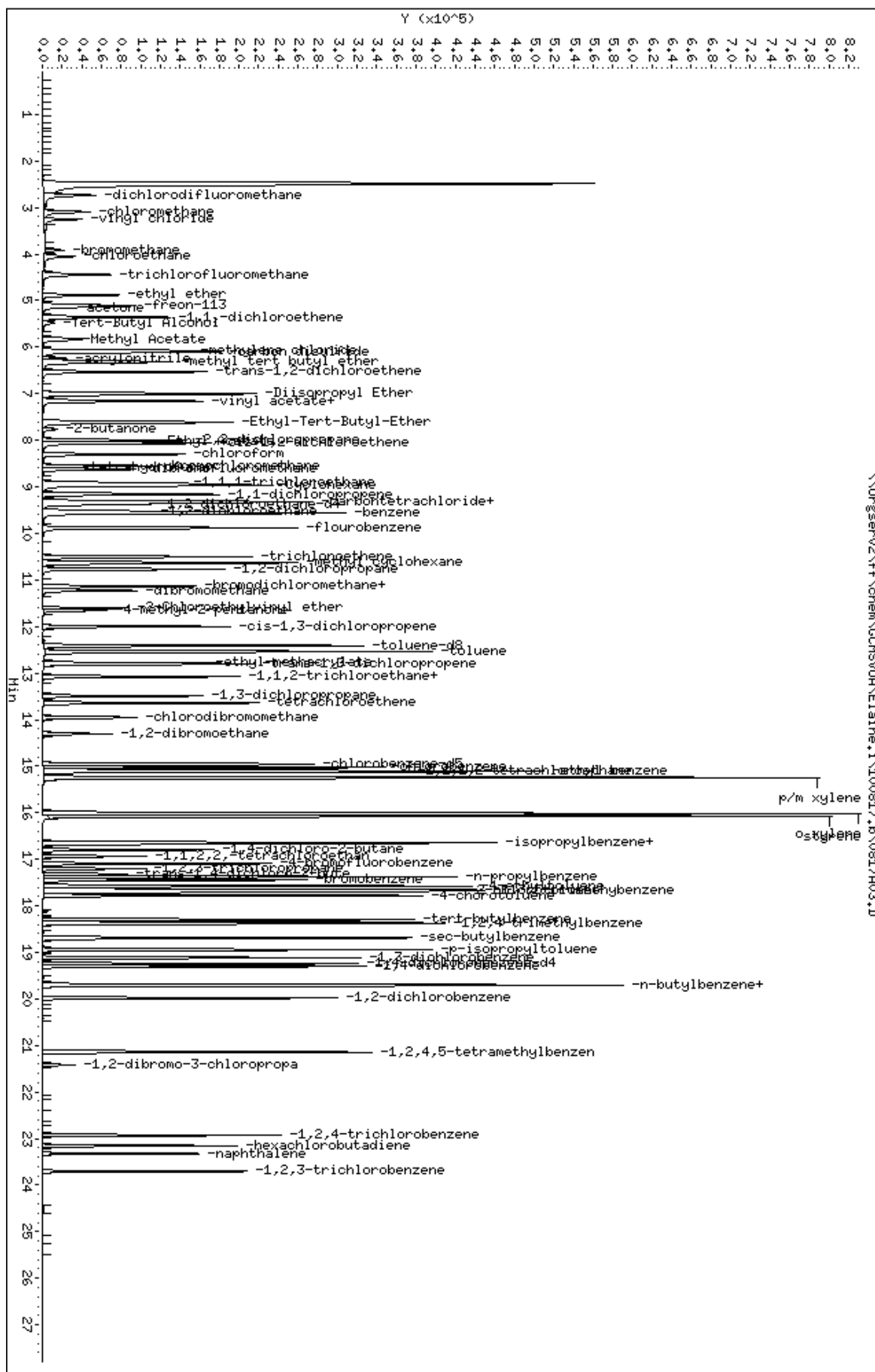
Instrument ID: Elaine.i
 Lab File ID: 0817A03.D
 Lab Smp Id:
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: PD
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
 Misc Info: wg, ical

Calibration Date: 17-AUG-2010
 Calibration Time: 14:43
 Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	304725	152363	609450	304725	0.00
62 chlorobenzene-d5	214936	107468	429872	214936	0.00
87 1,4-dichlorobenze	111468	55734	222936	111468	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\0817A04.D
Lab Smp Id:
Inj Date : 17-AUG-2010 15:17
Operator : PD Inst ID: Elaine.i
Smp Info : ICAL L4P
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m
Meth Date : 18-Aug-2010 08:40 Elaine.i Quant Type: ISTD
Cal Date : 17-AUG-2010 14:43 Cal File: 0817A03.D
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85	2.730	2.730 (0.276)		166985	200.000	216.095	
2 chloromethane	50	3.095	3.095 (0.313)		178530	200.000	199.159	
3 vinyl chloride	62	3.257	3.257 (0.330)		108394	200.000	210.400	
4 bromomethane	94	3.915	3.915 (0.396)		42646	200.000	181.106	
5 chloroethane	64	4.047	4.047 (0.410)		93604	200.000	210.276	
6 trichlorofluoromethane	101	4.442	4.442 (0.450)		188052	200.000	217.549	
7 ethyl ether	74	4.887	4.887 (0.495)		91694	200.000	209.169	
8 freon-113	101	5.110	5.110 (0.517)		148012	200.000	209.554	
9 acetone	43	5.151	5.151 (0.521)		30757	200.000	182.096	
10 1,1,-dichloroethene	96	5.363	5.363 (0.543)		150635	200.000	211.481	
11 Tert-Butyl Alcohol	59	5.475	5.475 (0.554)		52522	1000.00	1017.941(A)	
12 Methyl Acetate	43	5.849	5.849 (0.592)		94625	200.000	199.403	
13 methylene chloride	84	6.072	6.072 (0.615)		163245	200.000	203.129	
14 carbon disulfide	76	6.102	6.102 (0.618)		464857	200.000	210.599	
15 acrylonitrile	53	6.244	6.244 (0.632)		51929	200.000	209.674	
16 methyl tert butyl ether	73	6.315	6.315 (0.639)		416848	200.000	204.228	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		168557	200.000	210.970	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		620167	200.000	207.663	
21 vinyl acetate	43	7.146	7.146 (0.723)		169571	200.000	196.433	
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		321073	200.000	211.982	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611 (0.770)		558292	200.000	206.586	
24 2-butanone	43	7.763	7.763 (0.786)		50900	200.000	197.597	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		248133	200.000	212.966	
26 Ethyl Acetate	43	8.026	8.026 (0.812)		120415	200.000	196.894(A)	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		182241	200.000	211.518	
28 chloroform	83	8.300	8.300 (0.840)		283880	200.000	209.221	
29 bromochloromethane	128	8.553	8.553 (0.866)		76331	200.000	213.181	
30 tetrahydrofuran	42	8.594	8.594 (0.870)		35602	200.000	198.238	

						AMOUNTS				
		QUANT	SIG					CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE	
=====		=====	=====	=====	=====	=====	=====	=====	=====	
\$	31 dibromofluoromethane	113	8.624	8.624	(0.873)	66520	100.000	99.517		
	33 1,1,1-trichloroethane	97	8.918	8.918	(0.903)	258629	200.000	213.494		
	34 Cyclohexane	56	8.968	8.968	(0.908)	328264	200.000	205.355		
	35 1,1-dichloropropene	75	9.161	9.161	(0.927)	233004	200.000	212.715		
	36 carbontetrachloride	117	9.313	9.313	(0.943)	220399	200.000	217.416		
	37 Tertiary-Amyl Methyl Ether	73	9.333	9.333	(0.945)	423863	200.000	208.400		
\$	38 1,2-dichloroethane-d4	65	9.373	9.373	(0.949)	75460	100.000	100.683		
	39 1,2-dichloroethane	62	9.515	9.515	(0.963)	217374	200.000	208.083		
	40 benzene	78	9.566	9.566	(0.968)	693922	200.000	208.377		
*	41 flourobenzene	96	9.880	9.880	(1.000)	306805	100.000			
	42 trichloroethene	95	10.507	10.507	(1.064)	181714	200.000	211.236		
	43 methyl cyclohexane	83	10.629	10.629	(1.076)	287336	200.000	203.874		
	44 1,2-dichloropropane	63	10.771	10.771	(1.090)	181688	200.000	208.557		
	45 bromodichloromethane	83	11.135	11.135	(1.127)	210953	200.000	214.293		
	46 1,4-Dioxane	88	11.145	11.145	(1.128)	104198	20000.0	20614.518(A)		
	47 dibromomethane	93	11.226	11.226	(1.136)	84009	200.000	211.370		
	48 2-Chloroethylvinyl ether	63	11.601	11.601	(1.174)	91375	200.000	208.899(A)		
	49 4-methyl-2-pentanone	58	11.652	11.652	(1.179)	49715	200.000	214.452		
	51 cis-1,3-dichloropropene	75	11.996	11.996	(1.214)	270765	200.000	212.367		
\$	52 toluene-d8	98	12.411	12.411	(0.829)	288029	100.000	100.397		
	53 toluene	92	12.543	12.543	(0.838)	448926	200.000	210.724		
	54 ethyl-methacrylate	69	12.786	12.786	(0.855)	184498	200.000	210.409		
	55 trans-1,3-dichloropropene	75	12.816	12.816	(0.857)	228758	200.000	215.726		
	56 1,1,2-trichloroethane	83	13.079	13.079	(0.874)	104998	200.000	212.428		
	57 2-hexanone	43	13.079	13.079	(0.874)	79116	200.000	210.868		
	58 1,3-dichloropropane	76	13.495	13.495	(0.902)	227396	200.000	207.508		
	59 tetrachloroethene	166	13.636	13.636	(0.911)	172995	200.000	212.569		
	60 chlorodibromomethane	129	13.950	13.950	(0.932)	142183	200.000	207.192		
	61 1,2-dibromoethane	107	14.305	14.305	(0.956)	125358	200.000	210.475		
*	62 chlorobenzene-d5	117	14.963	14.963	(1.000)	215589	100.000			
	63 chlorobenzene	112	15.024	15.024	(1.004)	479559	200.000	210.180		
	64 1,1,1,2-tetrachloroethane	131	15.095	15.095	(1.009)	155835	200.000	215.651		
	65 ethyl benzene	91	15.115	15.115	(1.010)	814259	200.000	211.878		
	66 p/m xylene	106	15.257	15.257	(1.020)	634968	400.000	425.406		
	67 o xylene	106	16.016	16.016	(1.070)	616816	400.000	426.476		
	68 styrene	104	16.077	16.077	(1.074)	1039171	400.000	429.287		
	69 isopropylbenzene	105	16.654	16.654	(0.865)	782367	200.000	211.344		
	70 bromoform	173	16.664	16.664	(0.866)	80541	200.000	219.178		
	71 1,4-dichloro-2-butane	55	16.796	16.796	(0.873)	258542	200.000	201.849		
	72 1,1,2,2,-tetrachloroethane	83	16.938	16.938	(0.880)	131890	200.000	207.076		
\$	73 4-bromofluorobenzene	95	17.089	17.089	(0.888)	114243	100.000	98.798		
	74 1,2,3-trichloropropane	75	17.201	17.201	(0.894)	114283	200.000	206.742		
	75 trans-1,4-dichloro-2-butene	53	17.322	17.322	(0.900)	48901	200.000	195.794		
	76 n-propylbenzene	91	17.373	17.373	(0.903)	918259	200.000	210.886		
	77 bromobenzene	156	17.444	17.444	(0.906)	190096	200.000	206.864		
	78 4-ethyltoluene	105	17.576	17.576	(0.913)	765081	200.000	210.370(A)		
	79 1,3,5-trimethybenzene	105	17.657	17.657	(0.917)	658324	200.000	213.709		
	80 2-chlorotoluene	91	17.697	17.697	(0.920)	636215	200.000	209.045		
	81 4-chorotoluene	91	17.778	17.778	(0.924)	600385	200.000	207.089		
	82 tert-butylbenzene	119	18.305	18.305	(0.951)	547819	200.000	208.995		
	83 1,2,4-trimethylbenzene	105	18.375	18.375	(0.955)	648882	200.000	212.849		
	84 sec-butylbenzene	105	18.700	18.700	(0.972)	795274	200.000	211.041		
	85 p-isopropyltoluene	119	18.943	18.943	(0.984)	643616	200.000	212.917		
	86 1,3-dichlorobenzene	146	19.115	19.115	(0.993)	336448	200.000	206.060		

						AMOUNTS				
		QUANT	SIG					CAL -AMT	ON -COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE	
=====		=====	=====	=====	=====	=====	=====	=====	=====	
* 87	1,4-dichlorobenzene-d4	152	19.246	19.246	(1.000)	113070	100.000			
88	1,4-dichlorobenzene	146	19.307	19.307	(1.003)	340484	200.000	205.848		
89	n-butylbenzene	91	19.702	19.702	(1.024)	670326	200.000	219.549		
90	p-Diethylbenzene	119	19.722	19.722	(1.025)	369249	200.000	217.167(A)		
91	1,2-dichlorobenzene	146	19.986	19.986	(1.038)	311786	200.000	206.711		
92	1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	497985	200.000	216.622(A)		
93	1,2-dibromo-3-chloropropane	75	21.423	21.423	(1.113)	22536	200.000	202.509		
94	1,2,4-trichlorobenzene	180	22.932	22.932	(1.192)	192976	200.000	212.983		
95	hexachlorobutadiene	225	23.165	23.165	(1.204)	103347	200.000	204.838		
96	naphthalene	128	23.327	23.327	(1.212)	316704	200.000	214.065		
97	1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	158096	200.000	212.158		

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i

Lab File ID: 0817A04.D

Lab Smp Id:

Analysis Type: VOA

Quant Type: ISTD

Operator: PD

Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m

Misc Info: wg, ical

Calibration Date: 17-AUG-2010

Calibration Time: 14:43

Level: LOW

Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	304725	152363	609450	306805	0.68
62 chlorobenzene-d5	214936	107468	429872	215589	0.30
87 1,4-dichlorobenze	111468	55734	222936	113070	1.44

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	-0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	-0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	-0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 17-AUG-2010 15:17

Client ID:

Sample Info: ICAL L4P

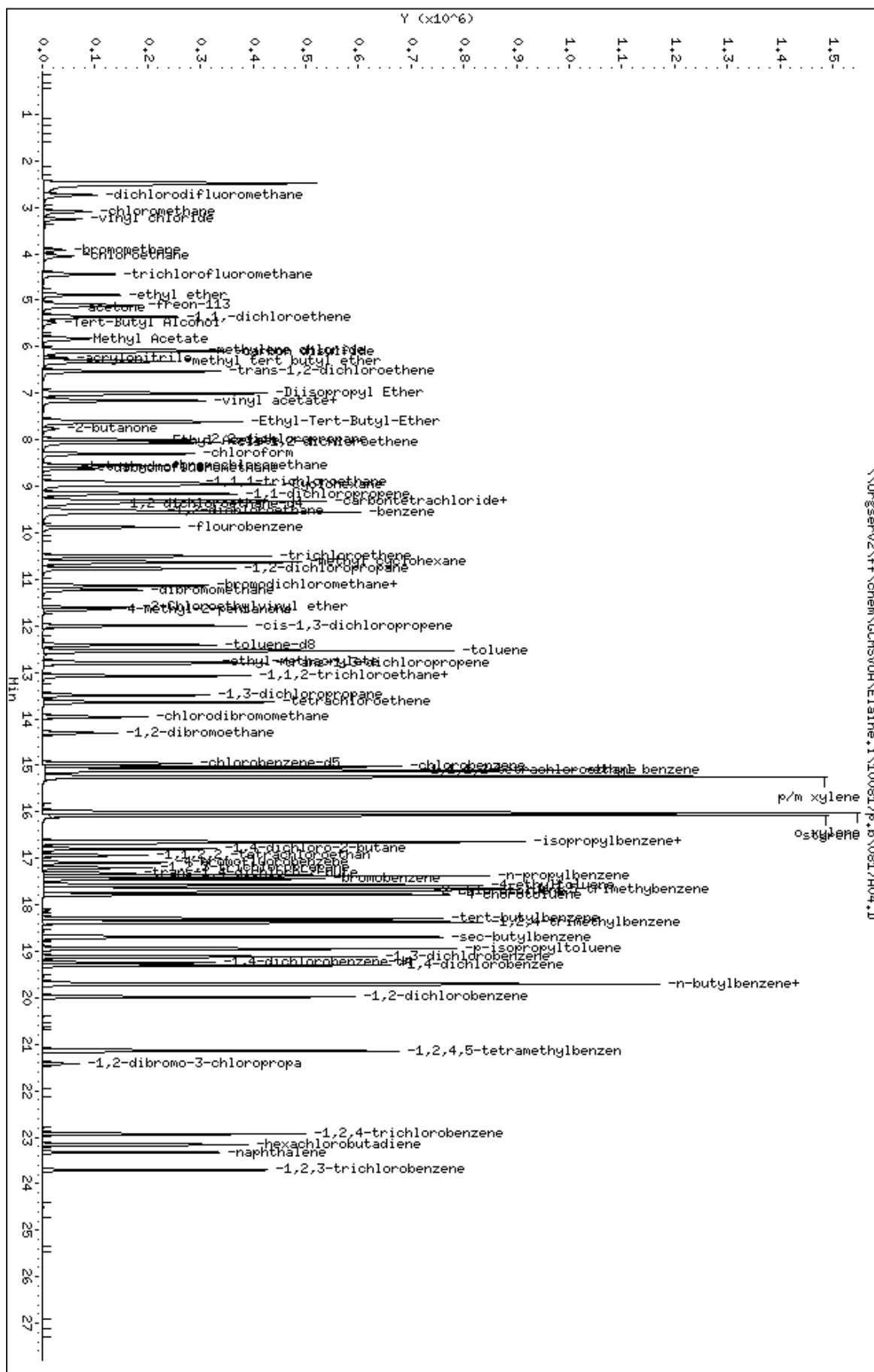
Purge Volume: 10.0

Column phase:

Instrument: Elaine.i

Operator: PD

Column diameter: 0.18



Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A04.D
Lab Smp Id:
Inj Date : 17-AUG-2010 15:17
Operator : PD
Smp Info : ICAL L4
Misc Info : wg, ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
Meth Date : 18-Aug-2010 08:39 Elaine.i
Cal Date : 17-AUG-2010 14:43
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: VOA-4

Inst ID: Elaine.i

Quant Type: ISTD
Cal File: 0817A03.D
Calibration Sample, Level: 4

Compound Sublist: curve.sub

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
1 dichlorodifluoromethane	85	2.730	2.730 (0.276)		166985	200.000	216.095	
2 chloromethane	50	3.095	3.095 (0.313)		178530	200.000	198.259	
3 vinyl chloride	62	3.257	3.257 (0.330)		108394	200.000	210.400	
4 bromomethane	94	3.915	3.915 (0.396)		42646	200.000	181.106	
5 chloroethane	64	4.047	4.047 (0.410)		93604	200.000	217.860	
6 trichlorofluoromethane	101	4.442	4.442 (0.450)		188052	200.000	217.549	
7 ethyl ether	74	4.887	4.887 (0.495)		91694	200.000	209.169	
8 freon-113	101	5.110	5.110 (0.517)		148012	200.000	209.554	
9 acetone	43	5.151	5.151 (0.521)		33606	200.000	196.195(M)	M1
10 1,1,-dichloroethene	96	5.363	5.363 (0.543)		150635	200.000	211.481	
11 Tert-Butyl Alcohol	59	5.475	5.475 (0.554)		52522	1000.00	1012.082(A)	
12 Methyl Acetate	43	5.849	5.849 (0.592)		94625	200.000	196.773	
13 methylene chloride	84	6.072	6.072 (0.615)		163245	200.000	203.129	
14 carbon disulfide	76	6.102	6.102 (0.618)		464857	200.000	210.599	
15 acrylonitrile	53	6.244	6.244 (0.632)		51929	200.000	206.470	
16 methyl tert butyl ether	73	6.315	6.315 (0.639)		416848	200.000	204.228	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		168557	200.000	210.970	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		620167	200.000	207.361	
21 vinyl acetate	43	7.146	7.146 (0.723)		169571	200.000	196.433	
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		321073	200.000	211.982	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611 (0.770)		558292	200.000	206.586	
24 2-butanone	43	7.763	7.763 (0.786)		50900	200.000	203.343	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		248133	200.000	212.966	
26 Ethyl Acetate	43	8.026	8.026 (0.812)		120415	200.000	190.350(A)	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		182241	200.000	211.518	
28 chloroform	83	8.300	8.300 (0.840)		283880	200.000	209.221	
29 bromochloromethane	128	8.553	8.553 (0.866)		76331	200.000	213.181	
30 tetrahydrofuran	42	8.594	8.594 (0.870)		35602	200.000	202.888	

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113	8.624	8.624 (0.873)		66520	100.000	99.517	
33 1,1,1-trichloroethane	97	8.918	8.918 (0.903)		258629	200.000	213.494	
34 Cyclohexane	56	8.968	8.968 (0.908)		328264	200.000	205.355	
35 1,1-dichloropropene	75	9.161	9.161 (0.927)		233004	200.000	212.715	
36 carbontetrachloride	117	9.313	9.313 (0.943)		220399	200.000	217.416	
37 Tertiary-Amyl Methyl Ether	73	9.333	9.333 (0.945)		423863	200.000	208.400	
\$ 38 1,2-dichloroethane-d4	65	9.373	9.373 (0.949)		75460	100.000	100.683	
39 1,2-dichloroethane	62	9.515	9.515 (0.963)		217374	200.000	208.083	
40 benzene	78	9.566	9.566 (0.968)		693922	200.000	208.377	
* 41 flourobenzene	96	9.880	9.880 (1.000)		306805	100.000		
42 trichloroethene	95	10.507	10.507 (1.064)		181714	200.000	211.236	
43 methyl cyclohexane	83	10.629	10.629 (1.076)		287336	200.000	203.874	
44 1,2-dichloropropane	63	10.771	10.771 (1.090)		181688	200.000	208.557	
45 bromodichloromethane	83	11.135	11.135 (1.127)		210953	200.000	214.293	
46 1,4-Dioxane	88	11.145	11.145 (1.128)		104198	20000.0	20553.454(A)	
47 dibromomethane	93	11.226	11.226 (1.136)		84009	200.000	211.370	
48 2-Chloroethylvinyl ether	63	11.601	11.601 (1.174)		91375	200.000	208.899(A)	
49 4-methyl-2-pentanone	58	11.652	11.652 (1.179)		49715	200.000	214.452	
51 cis-1,3-dichloropropene	75	11.996	11.996 (1.214)		270765	200.000	212.367	
\$ 52 toluene-d8	98	12.411	12.411 (0.829)		288029	100.000	100.397	
53 toluene	92	12.543	12.543 (0.838)		448926	200.000	210.724	
54 ethyl-methacrylate	69	12.786	12.786 (0.855)		184498	200.000	210.409	
55 trans-1,3-dichloropropene	75	12.816	12.816 (0.857)		228758	200.000	215.726	
56 1,1,2-trichloroethane	83	13.079	13.079 (0.874)		104998	200.000	212.428	
57 2-hexanone	43	13.079	13.079 (0.874)		79116	200.000	210.868	
58 1,3-dichloropropane	76	13.495	13.495 (0.902)		227396	200.000	207.508	
59 tetrachloroethene	166	13.636	13.636 (0.911)		172995	200.000	212.569	
60 chlorodibromomethane	129	13.950	13.950 (0.932)		142183	200.000	214.749	
61 1,2-dibromoethane	107	14.305	14.305 (0.956)		125358	200.000	210.475	
* 62 chlorobenzene-d5	117	14.963	14.963 (1.000)		215589	100.000		
63 chlorobenzene	112	15.024	15.024 (1.004)		479559	200.000	210.180	
64 1,1,1,2-tetrachloroethane	131	15.095	15.095 (1.009)		155835	200.000	215.651	
65 ethyl benzene	91	15.115	15.115 (1.010)		814259	200.000	211.878	
66 p/m xylene	106	15.257	15.257 (1.020)		634968	400.000	425.406	
67 o xylene	106	16.016	16.016 (1.070)		616816	400.000	426.476	
68 styrene	104	16.077	16.077 (1.074)		1054062	400.000	429.036(M)	M1
69 isopropylbenzene	105	16.654	16.654 (0.865)		782367	200.000	211.344	
70 bromoform	173	16.664	16.664 (0.866)		80541	200.000	219.178	
71 1,4-dichloro-2-butane	55	16.796	16.796 (0.873)		258542	200.000	201.849	
72 1,1,2,2,-tetrachloroethane	83	16.938	16.938 (0.880)		131890	200.000	207.076	
\$ 73 4-bromofluorobenzene	95	17.089	17.089 (0.888)		114243	100.000	98.798	
74 1,2,3-trichloropropane	75	17.201	17.201 (0.894)		114283	200.000	206.742	
75 trans-1,4-dichloro-2-butene	53	17.322	17.322 (0.900)		53057	200.000	200.373(M)	M1
76 n-propylbenzene	91	17.373	17.373 (0.903)		918259	200.000	210.886	
77 bromobenzene	156	17.444	17.444 (0.906)		190096	200.000	206.864	
78 4-ethyltoluene	105	17.576	17.576 (0.913)		765081	200.000	210.370(A)	
79 1,3,5-trimethybenzene	105	17.657	17.657 (0.917)		658324	200.000	213.709	
80 2-chlorotoluene	91	17.697	17.697 (0.920)		636215	200.000	209.045	
81 4-chorotoluene	91	17.778	17.778 (0.924)		600385	200.000	207.089	
82 tert-butylbenzene	119	18.305	18.305 (0.951)		547819	200.000	208.995	
83 1,2,4-trimethylbenzene	105	18.375	18.375 (0.955)		648882	200.000	212.849	
84 sec-butylbenzene	105	18.700	18.700 (0.972)		795274	200.000	211.041	
85 p-isopropyltoluene	119	18.943	18.943 (0.984)		643616	200.000	212.917	
86 1,3-dichlorobenzene	146	19.115	19.115 (0.993)		336448	200.000	206.060	

						AMOUNTS				
		QUANT	SIG					CAL -AMT	ON -COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE	
=====		=====	=====	=====	=====	=====	=====	=====	=====	
* 87	1,4-dichlorobenzene-d4	152	19.246	19.246	(1.000)	113070	100.000			
88	1,4-dichlorobenzene	146	19.307	19.307	(1.003)	340484	200.000	205.848		
89	n-butylbenzene	91	19.702	19.702	(1.024)	670326	200.000	219.549		
90	p-Diethylbenzene	119	19.722	19.722	(1.025)	369249	200.000	217.167(A)		
91	1,2-dichlorobenzene	146	19.986	19.986	(1.038)	311786	200.000	206.711		
92	1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	497985	200.000	216.622(A)		
93	1,2-dibromo-3-chloropropane	75	21.423	21.423	(1.113)	22536	200.000	202.509		
94	1,2,4-trichlorobenzene	180	22.932	22.932	(1.192)	192976	200.000	212.983		
95	hexachlorobutadiene	225	23.165	23.165	(1.204)	103347	200.000	204.838		
96	naphthalene	128	23.327	23.327	(1.212)	316704	200.000	214.065		
97	1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	158096	200.000	212.158		

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i
 Lab File ID: 0817A04.D
 Lab Smp Id:
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: PD
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
 Misc Info: wg, ical

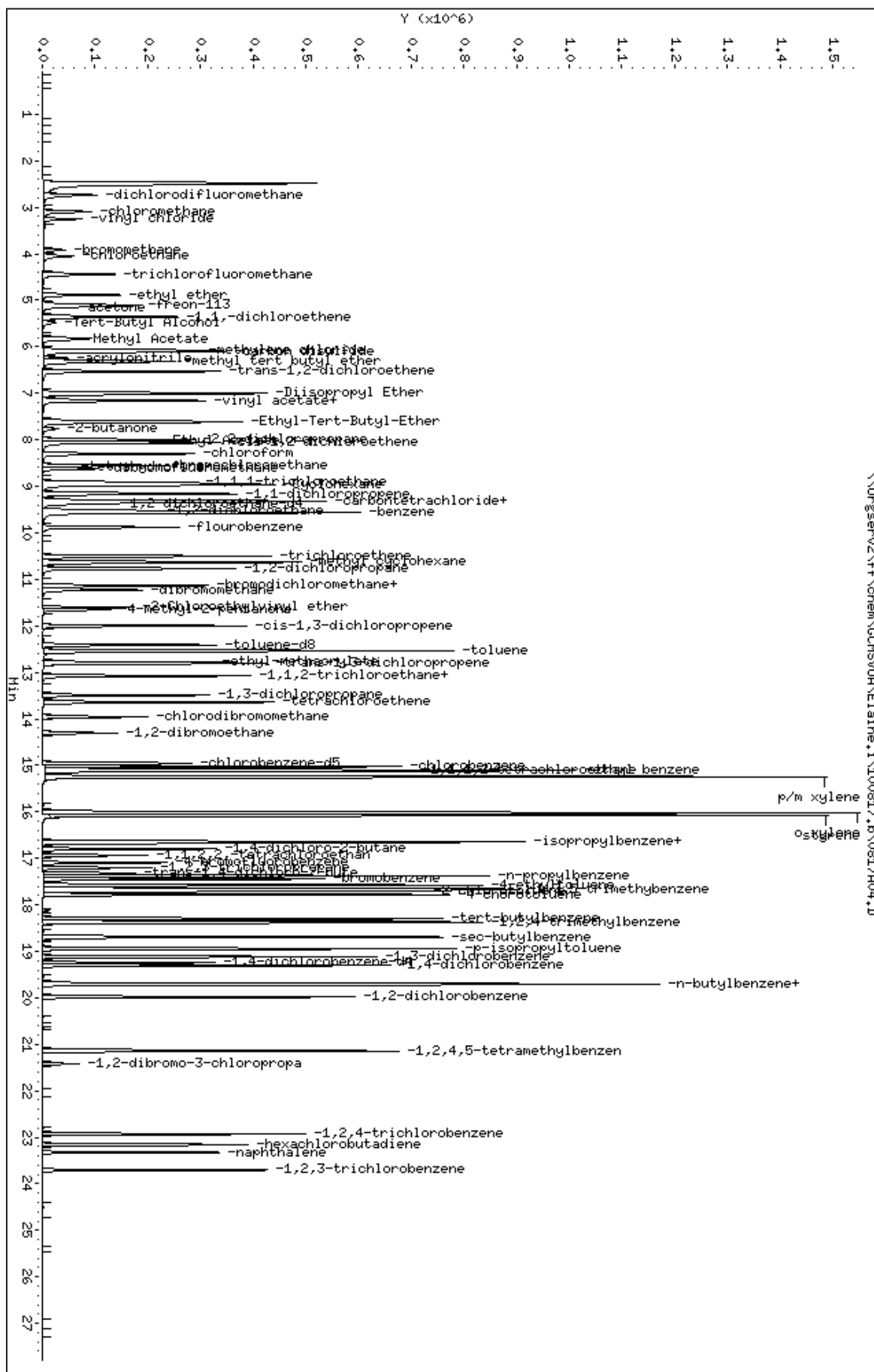
Calibration Date: 17-AUG-2010
 Calibration Time: 14:43

Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	304725	152363	609450	306805	0.68
62 chlorobenzene-d5	214936	107468	429872	215589	0.30
87 1,4-dichlorobenze	111468	55734	222936	113070	1.44

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	-0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	-0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\0817A05.D

Lab Smp Id:

Inj Date : 17-AUG-2010 15:52

Operator : PD

Inst ID: Elaine.i

Smp Info : ICAL L5P

Misc Info : wg, ical

Comment :

Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m

Meth Date : 18-Aug-2010 08:40 Elaine.i Quant Type: ISTD

Cal Date : 17-AUG-2010 15:17

Cal File: 0817A04.D

Als bottle: 1

Calibration Sample, Level: 5

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: curve.sub

Target Version: 4.12

Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85	2.731	2.731 (0.276)		241118	300.000	315.802	
2 chloromethane	50	3.085	3.085 (0.312)		243982	300.000	275.464	
3 vinyl chloride	62	3.257	3.257 (0.330)		154297	300.000	303.121	
4 bromomethane	94	3.915	3.915 (0.396)		67413	300.000	274.863	
5 chloroethane	64	4.047	4.047 (0.410)		130364	300.000	296.395	
6 trichlorofluoromethane	101	4.432	4.432 (0.449)		273579	300.000	320.316	
7 ethyl ether	74	4.887	4.887 (0.495)		135190	300.000	312.118	
8 freon-113	101	5.100	5.100 (0.516)		224245	300.000	321.321	
9 acetone	43	5.161	5.161 (0.522)		49503	300.000	296.624	
10 1,1,-dichloroethene	96	5.353	5.353 (0.542)		220888	300.000	313.860	
11 Tert-Butyl Alcohol	59	5.485	5.485 (0.555)		79241	1500.00	1554.352(A)	
12 Methyl Acetate	43	5.849	5.849 (0.592)		139578	300.000	297.688	
13 methylene chloride	84	6.072	6.072 (0.615)		239610	300.000	301.756	
14 carbon disulfide	76	6.103	6.103 (0.618)		677476	300.000	310.635	
15 acrylonitrile	53	6.244	6.244 (0.632)		79813	300.000	326.157	
16 methyl tert butyl ether	73	6.315	6.315 (0.639)		621105	300.000	307.979	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		250135	300.000	316.859	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		922512	300.000	312.637	
21 vinyl acetate	43	7.146	7.146 (0.723)		241023	300.000	300.061	
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		471381	300.000	314.982	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611 (0.770)		831876	300.000	311.542	
24 2-butanone	43	7.763	7.763 (0.786)		74339	300.000	292.077	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		365338	300.000	317.350	
26 Ethyl Acetate	43	8.027	8.027 (0.812)		177429	300.000	293.625(A)	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		264033	300.000	310.153	
28 chloroform	83	8.300	8.300 (0.840)		419815	300.000	313.145	
29 bromochloromethane	128	8.553	8.553 (0.866)		113639	300.000	321.213	
30 tetrahydrofuran	42	8.594	8.594 (0.870)		53855	300.000	303.498	

		QUANT SIG				AMOUNTS		
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113	8.624	8.624	(0.873)	67032	100.000	101.495	
33 1,1,1-trichloroethane	97	8.918	8.918	(0.903)	382286	300.000	319.385	
34 Cyclohexane	56	8.968	8.968	(0.908)	492990	300.000	312.132(A)	
35 1,1-dichloropropene	75	9.161	9.161	(0.927)	343289	300.000	317.185	
36 carbontetrachloride	117	9.313	9.313	(0.943)	323002	300.000	322.482	
37 Tertiary-Amyl Methyl Ether	73	9.333	9.333	(0.945)	625352	300.000	311.182	
\$ 38 1,2-dichloroethane-d4	65	9.373	9.373	(0.949)	74523	100.000	100.635	
39 1,2-dichloroethane	62	9.525	9.525	(0.964)	322754	300.000	312.693	
40 benzene	78	9.566	9.566	(0.968)	1024618	300.000	311.400	
* 41 flourobenzene	96	9.880	9.880	(1.000)	303141	100.000		
42 trichloroethene	95	10.508	10.508	(1.064)	271567	300.000	319.502	
43 methyl cyclohexane	83	10.629	10.629	(1.076)	435692	300.000	312.874	
44 1,2-dichloropropane	63	10.771	10.771	(1.090)	271010	300.000	314.849	
45 bromodichloromethane	83	11.135	11.135	(1.127)	313576	300.000	322.391	
46 1,4-Dioxane	88	11.145	11.145	(1.128)	154632	30000.0	30962.138(A)	
47 dibromomethane	93	11.227	11.227	(1.136)	123611	300.000	314.770	
48 2-Chloroethylvinyl ether	63	11.601	11.601	(1.174)	138797	300.000	321.150(A)	
49 4-methyl-2-pentanone	58	11.652	11.652	(1.179)	72701	300.000	317.396	
51 cis-1,3-dichloropropene	75	11.996	11.996	(1.214)	402856	300.000	319.789	
\$ 52 toluene-d8	98	12.411	12.411	(0.829)	283815	100.000	99.182	
53 toluene	92	12.543	12.543	(0.838)	654357	300.000	307.943	
54 ethyl-methacrylate	69	12.786	12.786	(0.855)	275147	300.000	314.595	
55 trans-1,3-dichloropropene	75	12.816	12.816	(0.857)	338442	300.000	319.983	
56 1,1,2-trichloroethane	83	13.080	13.080	(0.874)	152779	300.000	309.892	
57 2-hexanone	43	13.080	13.080	(0.874)	114958	300.000	307.186	
58 1,3-dichloropropane	76	13.495	13.495	(0.902)	338666	300.000	309.842	
59 tetrachloroethene	166	13.637	13.637	(0.911)	252548	300.000	311.119	
60 chlorodibromomethane	129	13.950	13.950	(0.932)	212711	300.000	310.765	
61 1,2-dibromoethane	107	14.305	14.305	(0.956)	185910	300.000	312.944	
* 62 chlorobenzene-d5	117	14.963	14.963	(1.000)	215036	100.000		
63 chlorobenzene	112	15.024	15.024	(1.004)	703641	300.000	309.184	
64 1,1,1,2-tetrachloroethane	131	15.095	15.095	(1.009)	229398	300.000	318.268	
65 ethyl benzene	91	15.115	15.115	(1.010)	1182461	300.000	308.479	
66 p/m xylene	106	15.257	15.257	(1.020)	919853	600.000	617.854	
67 o xylene	106	16.016	16.016	(1.070)	885143	600.000	613.576	
68 styrene	104	16.077	16.077	(1.074)	1483092	600.000	614.249	
69 isopropylbenzene	105	16.654	16.654	(0.865)	1134225	300.000	307.733	
70 bromoform	173	16.664	16.664	(0.866)	120659	300.000	329.787	
71 1,4-dichloro-2-butane	55	16.796	16.796	(0.873)	385386	300.000	302.193	
72 1,1,2,2,-tetrachloroethane	83	16.938	16.938	(0.880)	191600	300.000	302.139	
\$ 73 4-bromofluorobenzene	95	17.090	17.090	(0.888)	114262	100.000	99.246	
74 1,2,3-trichloropropane	75	17.201	17.201	(0.894)	168570	300.000	306.282	
75 trans-1,4-dichloro-2-butene	53	17.322	17.322	(0.900)	74387	300.000	299.138	
76 n-propylbenzene	91	17.373	17.373	(0.903)	1337962	300.000	308.618	
77 bromobenzene	156	17.444	17.444	(0.906)	281293	300.000	307.443	
78 4-ethyltoluene	105	17.576	17.576	(0.913)	1130289	300.000	312.148(A)	
79 1,3,5-trimethybenzene	105	17.667	17.667	(0.918)	937846	300.000	305.780	
80 2-chlorotoluene	91	17.697	17.697	(0.920)	926005	300.000	305.594	
81 4-chorotoluene	91	17.778	17.778	(0.924)	883751	300.000	306.162	
82 tert-butylbenzene	119	18.305	18.305	(0.951)	799932	300.000	306.511	
83 1,2,4-trimethylbenzene	105	18.376	18.376	(0.955)	951684	300.000	313.540	
84 sec-butylbenzene	105	18.700	18.700	(0.972)	1155626	300.000	308.008	
85 p-isopropyltoluene	119	18.943	18.943	(0.984)	945215	300.000	314.057	
86 1,3-dichlorobenzene	146	19.115	19.115	(0.993)	497325	300.000	305.922	

						AMOUNTS				
		QUANT	SIG					CAL -AMT	ON -COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE	
=====		=====	=====	=====	=====	=====	=====	=====	=====	
* 87	1,4-dichlorobenzene-d4	152	19.246	19.246	(1.000)	112578	100.000			
88	1,4-dichlorobenzene	146	19.307	19.307	(1.003)	501640	300.000	304.605		
89	n-butylbenzene	91	19.702	19.702	(1.024)	969295	300.000	318.856		
90	p-Diethylbenzene	119	19.722	19.722	(1.025)	540003	300.000	318.981(A)		
91	1,2-dichlorobenzene	146	19.986	19.986	(1.038)	459553	300.000	306.010		
92	1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	741217	300.000	323.836(A)		
93	1,2-dibromo-3-chloropropane	75	21.424	21.424	(1.113)	34077	300.000	307.555		
94	1,2,4-trichlorobenzene	180	22.932	22.932	(1.192)	289179	300.000	320.555		
95	hexachlorobutadiene	225	23.165	23.165	(1.204)	154051	300.000	306.670		
96	naphthalene	128	23.327	23.327	(1.212)	483064	300.000	327.938		
97	1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	239564	300.000	322.890		

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i
 Lab File ID: 0817A05.D
 Lab Smp Id:
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: PD
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m
 Misc Info: wg, ical

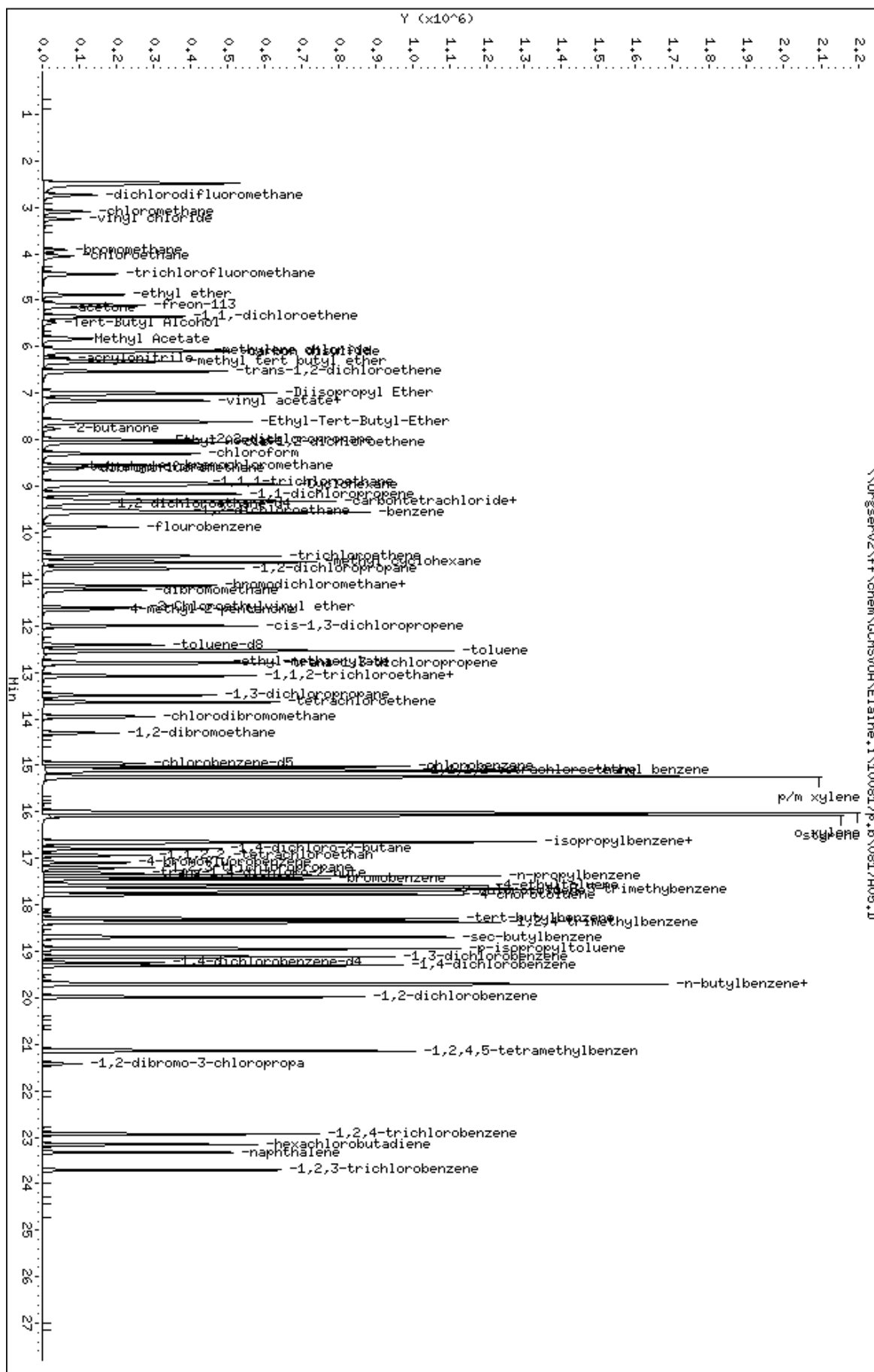
Calibration Date: 17-AUG-2010
 Calibration Time: 14:43

Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	304725	152363	609450	303141	-0.52
62 chlorobenzene-d5	214936	107468	429872	215036	0.05
87 1,4-dichlorobenze	111468	55734	222936	112578	1.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A05.D
Lab Smp Id:
Inj Date : 17-AUG-2010 15:52
Operator : PD
Smp Info : ICAL L5
Misc Info : wg, ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
Meth Date : 18-Aug-2010 08:39 Elaine.i
Cal Date : 17-AUG-2010 15:17
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: VOA-4

Inst ID: Elaine.i

Quant Type: ISTD
Cal File: 0817A04.D
Calibration Sample, Level: 5

Compound Sublist: curve.sub

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85	2.731	2.731 (0.276)		241118	300.000	315.802	
2 chloromethane	50	3.085	3.085 (0.312)		243982	300.000	274.220	
3 vinyl chloride	62	3.257	3.257 (0.330)		154297	300.000	303.121	
4 bromomethane	94	3.915	3.915 (0.396)		67413	300.000	274.863	
5 chloroethane	64	4.047	4.047 (0.410)		130364	300.000	307.085	
6 trichlorofluoromethane	101	4.432	4.432 (0.449)		273579	300.000	320.316	
7 ethyl ether	74	4.887	4.887 (0.495)		135190	300.000	312.118	
8 freon-113	101	5.100	5.100 (0.516)		224245	300.000	321.321	
9 acetone	43	5.161	5.161 (0.522)		49503	300.000	292.497	
10 1,1,-dichloroethene	96	5.353	5.353 (0.542)		220888	300.000	313.860	
11 Tert-Butyl Alcohol	59	5.485	5.485 (0.555)		79241	1500.00	1545.405(A)	
12 Methyl Acetate	43	5.849	5.849 (0.592)		139578	300.000	293.762	
13 methylene chloride	84	6.072	6.072 (0.615)		239610	300.000	301.756	
14 carbon disulfide	76	6.103	6.103 (0.618)		677476	300.000	310.635	
15 acrylonitrile	53	6.244	6.244 (0.632)		79813	300.000	321.173	
16 methyl tert butyl ether	73	6.315	6.315 (0.639)		621105	300.000	307.979	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		250135	300.000	316.859	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		922512	300.000	312.183	
21 vinyl acetate	43	7.146	7.146 (0.723)		241023	300.000	300.061	
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		471381	300.000	314.982	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611 (0.770)		831876	300.000	311.542	
24 2-butanone	43	7.763	7.763 (0.786)		74339	300.000	300.571	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		365338	300.000	317.350	
26 Ethyl Acetate	43	8.027	8.027 (0.812)		177429	300.000	283.867(A)	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		264033	300.000	310.153	
28 chloroform	83	8.300	8.300 (0.840)		419815	300.000	313.145	
29 bromochloromethane	128	8.553	8.553 (0.866)		113639	300.000	321.213	
30 tetrahydrofuran	42	8.594	8.594 (0.870)		53855	300.000	310.618	

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113	8.624	8.624 (0.873)		67032	100.000	101.495	
33 1,1,1-trichloroethane	97	8.918	8.918 (0.903)		382286	300.000	319.385	
34 Cyclohexane	56	8.968	8.968 (0.908)		492990	300.000	312.132(A)	
35 1,1-dichloropropene	75	9.161	9.161 (0.927)		343289	300.000	317.185	
36 carbontetrachloride	117	9.313	9.313 (0.943)		323002	300.000	322.482	
37 Tertiary-Amyl Methyl Ether	73	9.333	9.333 (0.945)		625352	300.000	311.182	
\$ 38 1,2-dichloroethane-d4	65	9.373	9.373 (0.949)		74523	100.000	100.635	
39 1,2-dichloroethane	62	9.525	9.525 (0.964)		322754	300.000	312.693	
40 benzene	78	9.566	9.566 (0.968)		1024618	300.000	311.400	
* 41 flourobenzene	96	9.880	9.880 (1.000)		303141	100.000		
42 trichloroethene	95	10.508	10.508 (1.064)		271567	300.000	319.502	
43 methyl cyclohexane	83	10.629	10.629 (1.076)		435692	300.000	312.874	
44 1,2-dichloropropane	63	10.771	10.771 (1.090)		271010	300.000	314.849	
45 bromodichloromethane	83	11.135	11.135 (1.127)		313576	300.000	322.391	
46 1,4-Dioxane	88	11.145	11.145 (1.128)		154632	30000.0	30870.422(A)	
47 dibromomethane	93	11.227	11.227 (1.136)		123611	300.000	314.770	
48 2-Chloroethylvinyl ether	63	11.601	11.601 (1.174)		138797	300.000	321.150(A)	
49 4-methyl-2-pentanone	58	11.652	11.652 (1.179)		72701	300.000	317.396	
51 cis-1,3-dichloropropene	75	11.996	11.996 (1.214)		402856	300.000	319.789	
\$ 52 toluene-d8	98	12.411	12.411 (0.829)		283815	100.000	99.182	
53 toluene	92	12.543	12.543 (0.838)		654357	300.000	307.943	
54 ethyl-methacrylate	69	12.786	12.786 (0.855)		275147	300.000	314.595	
55 trans-1,3-dichloropropene	75	12.816	12.816 (0.857)		338442	300.000	319.983	
56 1,1,2-trichloroethane	83	13.080	13.080 (0.874)		152779	300.000	309.892	
57 2-hexanone	43	13.080	13.080 (0.874)		114958	300.000	307.186	
58 1,3-dichloropropane	76	13.495	13.495 (0.902)		338666	300.000	309.842	
59 tetrachloroethene	166	13.637	13.637 (0.911)		252548	300.000	311.119	
60 chlorodibromomethane	129	13.950	13.950 (0.932)		212711	300.000	322.099	
61 1,2-dibromoethane	107	14.305	14.305 (0.956)		185910	300.000	312.944	
* 62 chlorobenzene-d5	117	14.963	14.963 (1.000)		215036	100.000		
63 chlorobenzene	112	15.024	15.024 (1.004)		703641	300.000	309.184	
64 1,1,1,2-tetrachloroethane	131	15.095	15.095 (1.009)		229398	300.000	318.268	
65 ethyl benzene	91	15.115	15.115 (1.010)		1182461	300.000	308.479	
66 p/m xylene	106	15.257	15.257 (1.020)		919853	600.000	617.854	
67 o xylene	106	16.016	16.016 (1.070)		885143	600.000	613.576	
68 styrene	104	16.077	16.077 (1.074)		1504150	600.000	613.811(M)	M1
69 isopropylbenzene	105	16.654	16.654 (0.865)		1134225	300.000	307.733	
70 bromoform	173	16.664	16.664 (0.866)		120659	300.000	329.787	
71 1,4-dichloro-2-butane	55	16.796	16.796 (0.873)		385386	300.000	302.193	
72 1,1,2,2-tetrachloroethane	83	16.938	16.938 (0.880)		191600	300.000	302.139	
\$ 73 4-bromofluorobenzene	95	17.090	17.090 (0.888)		114262	100.000	99.246	
74 1,2,3-trichloropropane	75	17.201	17.201 (0.894)		168570	300.000	306.282	
75 trans-1,4-dichloro-2-butene	53	17.322	17.322 (0.900)		80743	300.000	306.264(M)	M1
76 n-propylbenzene	91	17.373	17.373 (0.903)		1337962	300.000	308.618	
77 bromobenzene	156	17.444	17.444 (0.906)		281293	300.000	307.443	
78 4-ethyltoluene	105	17.576	17.576 (0.913)		1130289	300.000	312.148(A)	
79 1,3,5-trimethybenzene	105	17.667	17.667 (0.918)		937846	300.000	305.780	
80 2-chlorotoluene	91	17.697	17.697 (0.920)		926005	300.000	305.594	
81 4-chorotoluene	91	17.778	17.778 (0.924)		883751	300.000	306.162	
82 tert-butylbenzene	119	18.305	18.305 (0.951)		799932	300.000	306.511	
83 1,2,4-trimethylbenzene	105	18.376	18.376 (0.955)		951684	300.000	313.540	
84 sec-butylbenzene	105	18.700	18.700 (0.972)		1155626	300.000	308.008	
85 p-isopropyltoluene	119	18.943	18.943 (0.984)		945215	300.000	314.057	
86 1,3-dichlorobenzene	146	19.115	19.115 (0.993)		497325	300.000	305.922	

						AMOUNTS				
		QUANT	SIG					CAL -AMT	ON -COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE	
=====		=====	=====	=====	=====	=====	=====	=====	=====	
* 87	1,4-dichlorobenzene-d4	152	19.246	19.246	(1.000)	112578	100.000			
88	1,4-dichlorobenzene	146	19.307	19.307	(1.003)	501640	300.000	304.605		
89	n-butylbenzene	91	19.702	19.702	(1.024)	969295	300.000	318.856		
90	p-Diethylbenzene	119	19.722	19.722	(1.025)	540003	300.000	318.981(A)		
91	1,2-dichlorobenzene	146	19.986	19.986	(1.038)	459553	300.000	306.010		
92	1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	741217	300.000	323.836(A)		
93	1,2-dibromo-3-chloropropane	75	21.424	21.424	(1.113)	34077	300.000	307.555		
94	1,2,4-trichlorobenzene	180	22.932	22.932	(1.192)	289179	300.000	320.555		
95	hexachlorobutadiene	225	23.165	23.165	(1.204)	154051	300.000	306.670		
96	naphthalene	128	23.327	23.327	(1.212)	483064	300.000	327.938		
97	1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	239564	300.000	322.890		

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

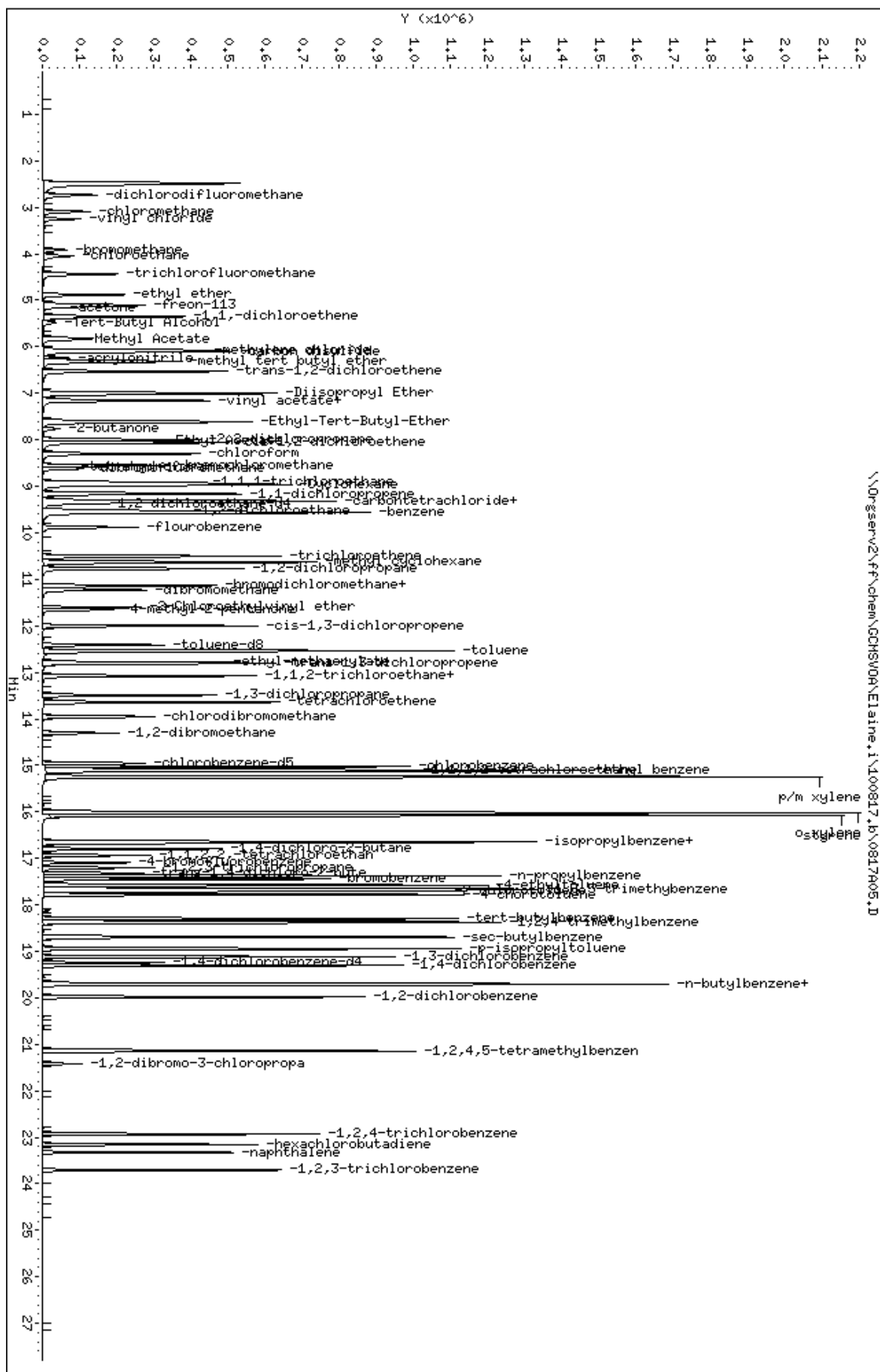
Instrument ID: Elaine.i
 Lab File ID: 0817A05.D
 Lab Smp Id:
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: PD
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
 Misc Info: wg, ical

Calibration Date: 17-AUG-2010
 Calibration Time: 14:43
 Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	304725	152363	609450	303141	-0.52
62 chlorobenzene-d5	214936	107468	429872	215036	0.05
87 1,4-dichlorobenze	111468	55734	222936	112578	1.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\0817A06.D
Lab Smp Id:
Inj Date : 17-AUG-2010 16:26
Operator : PD Inst ID: Elaine.i
Smp Info : ICAL L6P
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m
Meth Date : 18-Aug-2010 08:40 Elaine.i Quant Type: ISTD
Cal Date : 17-AUG-2010 15:52 Cal File: 0817A05.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85	2.731	2.731 (0.276)		397357	500.000	517.779	
2 chloromethane	50	3.095	3.095 (0.313)		420308	500.000	472.120	
3 vinyl chloride	62	3.257	3.257 (0.330)		248724	500.000	486.133	
4 bromomethane	94	3.915	3.915 (0.396)		127258	500.000	494.434	
5 chloroethane	64	4.047	4.047 (0.410)		215053	500.000	486.449	
6 trichlorofluoromethane	101	4.432	4.432 (0.449)		456523	500.000	531.786	
7 ethyl ether	74	4.887	4.887 (0.495)		221947	500.000	509.802	
8 freon-113	101	5.110	5.110 (0.517)		365188	500.000	520.608	
9 acetone	43	5.161	5.161 (0.522)		74986	500.000	447.026	
10 1,1,-dichloroethene	96	5.363	5.363 (0.543)		365410	500.000	516.563	
11 Tert-Butyl Alcohol	59	5.485	5.485 (0.555)		125681	2500.00	2452.714(A)	
12 Methyl Acetate	43	5.849	5.849 (0.592)		227364	500.000	482.441	
13 methylene chloride	84	6.072	6.072 (0.615)		387185	500.000	485.118	
14 carbon disulfide	76	6.103	6.103 (0.618)		1125075	500.000	513.234	
15 acrylonitrile	53	6.244	6.244 (0.632)		127828	500.000	519.705	
16 methyl tert butyl ether	73	6.315	6.315 (0.639)		1002831	500.000	494.723	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		404777	500.000	510.136	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		1503131	500.000	506.808	
21 vinyl acetate	43	7.146	7.146 (0.723)		370629	500.000	497.777	
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		764003	500.000	507.910	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611 (0.770)		1347402	500.000	502.034	
24 2-butanone	43	7.763	7.763 (0.786)		122408	500.000	478.485	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		599815	500.000	518.369	
26 Ethyl Acetate	43	8.027	8.027 (0.812)		290372	500.000	478.081(A)	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		435762	500.000	509.268	
28 chloroform	83	8.300	8.300 (0.840)		678774	500.000	503.722	
29 bromochloromethane	128	8.553	8.553 (0.866)		182730	500.000	513.871	
30 tetrahydrofuran	42	8.594	8.594 (0.870)		88249	500.000	494.787	

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113	8.624	8.624 (0.873)		66911	100.000	100.795	
33 1,1,1-trichloroethane	97	8.918	8.918 (0.903)		622296	500.000	517.251	
34 Cyclohexane	56	8.968	8.968 (0.908)		809715	500.000	510.048(A)	
35 1,1-dichloropropene	75	9.161	9.161 (0.927)		560078	500.000	514.849	
36 carbontetrachloride	117	9.313	9.313 (0.943)		532264	500.000	528.696	
37 Tertiary-Amyl Methyl Ether	73	9.333	9.333 (0.945)		998721	500.000	494.439	
\$ 38 1,2-dichloroethane-d4	65	9.373	9.373 (0.949)		73370	100.000	98.572	
39 1,2-dichloroethane	62	9.525	9.525 (0.964)		511453	500.000	492.982	
40 benzene	78	9.566	9.566 (0.968)		1637309	500.000	495.069	
* 41 flourobenzene	96	9.880	9.880 (1.000)		304696	100.000		
42 trichloroethene	95	10.507	10.507 (1.064)		442974	500.000	518.506	
43 methyl cyclohexane	83	10.629	10.629 (1.076)		701828	500.000	501.417	
44 1,2-dichloropropane	63	10.771	10.771 (1.090)		440302	500.000	508.916	
45 bromodichloromethane	83	11.135	11.135 (1.127)		504623	500.000	516.161	
46 1,4-Dioxane	88	11.156	11.156 (1.129)		203536	40000.0	40546.253(A)	
47 dibromomethane	93	11.226	11.226 (1.136)		200024	500.000	506.753	
48 2-Chloroethylvinyl ether	63	11.601	11.601 (1.174)		224113	500.000	515.909(A)	
49 4-methyl-2-pentanone	58	11.652	11.652 (1.179)		118988	500.000	516.824	
51 cis-1,3-dichloropropene	75	11.996	11.996 (1.214)		646470	500.000	510.552	
\$ 52 toluene-d8	98	12.411	12.411 (0.829)		285614	100.000	99.209	
53 toluene	92	12.543	12.543 (0.838)		1048628	500.000	490.510	
54 ethyl-methacrylate	69	12.786	12.786 (0.855)		434987	500.000	494.350	
55 trans-1,3-dichloropropene	75	12.816	12.816 (0.857)		542268	500.000	509.597	
56 1,1,2-trichloroethane	83	13.080	13.080 (0.874)		242857	500.000	489.631	
57 2-hexanone	43	13.080	13.080 (0.874)		187429	500.000	497.816	
58 1,3-dichloropropane	76	13.495	13.495 (0.902)		539195	500.000	490.326	
59 tetrachloroethene	166	13.647	13.647 (0.912)		412898	500.000	505.586	
60 chlorodibromomethane	129	13.961	13.961 (0.933)		346128	500.000	502.631	
61 1,2-dibromoethane	107	14.305	14.305 (0.956)		295338	500.000	494.144	
* 62 chlorobenzene-d5	117	14.963	14.963 (1.000)		216342	100.000		
63 chlorobenzene	112	15.024	15.024 (1.004)		1126433	500.000	491.973	
64 1,1,1,2-tetrachloroethane	131	15.095	15.095 (1.009)		365866	500.000	504.540	
65 ethyl benzene	91	15.115	15.115 (1.010)		1849962	500.000	479.703	
66 p/m xylene	106	15.257	15.257 (1.020)		1426604	1000.00	952.448	
67 o xylene	106	16.026	16.026 (1.071)		1372721	1000.00	945.818	
68 styrene	104	16.077	16.077 (1.074)		2276856	1000.00	937.308	
69 isopropylbenzene	105	16.654	16.654 (0.865)		1784962	500.000	483.592	
70 bromoform	173	16.664	16.664 (0.866)		191178	500.000	521.779	
71 1,4-dichloro-2-butane	55	16.796	16.796 (0.873)		617345	500.000	483.385	
72 1,1,2,2,-tetrachloroethane	83	16.938	16.938 (0.880)		300527	500.000	473.228	
\$ 73 4-bromofluorobenzene	95	17.090	17.090 (0.888)		114552	100.000	99.355	
74 1,2,3-trichloropropane	75	17.201	17.201 (0.894)		264388	500.000	479.687	
75 trans-1,4-dichloro-2-butene	53	17.322	17.322 (0.900)		122537	500.000	492.060	
76 n-propylbenzene	91	17.373	17.373 (0.903)		2122635	500.000	488.910	
77 bromobenzene	156	17.444	17.444 (0.906)		450419	500.000	491.584	
78 4-ethyltoluene	105	17.586	17.586 (0.914)		1815225	500.000	500.585(A)	
79 1,3,5-trimethybenzene	105	17.667	17.667 (0.918)		1475075	500.000	480.250	
80 2-chlorotoluene	91	17.697	17.697 (0.920)		1443718	500.000	475.761	
81 4-chorotoluene	91	17.778	17.778 (0.924)		1381690	500.000	477.978	
82 tert-butylbenzene	119	18.305	18.305 (0.951)		1270997	500.000	486.310	
83 1,2,4-trimethylbenzene	105	18.376	18.376 (0.955)		1509209	500.000	496.506	
84 sec-butylbenzene	105	18.700	18.700 (0.972)		1844870	500.000	491.006	
85 p-isopropyltoluene	119	18.953	18.953 (0.985)		1508187	500.000	500.391	
86 1,3-dichlorobenzene	146	19.115	19.115 (0.993)		785062	500.000	482.226	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
						CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 87 1,4-dichlorobenzene-d4	152	19.246	19.246	(1.000)	112740	100.000		
88 1,4-dichlorobenzene	146	19.307	19.307	(1.003)	786509	500.000	476.896	
89 n-butylbenzene	91	19.702	19.702	(1.024)	1552936	500.000	510.116	
90 p-Diethylbenzene	119	19.722	19.722	(1.025)	871441	500.000	514.023(A)	
91 1,2-dichlorobenzene	146	19.986	19.986	(1.038)	719186	500.000	478.209	
92 1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	1248467	500.000	544.669(A)	
93 1,2-dibromo-3-chloropropane	75	21.424	21.424	(1.113)	55545	500.000	500.591	
94 1,2,4-trichlorobenzene	180	22.932	22.932	(1.192)	469272	500.000	519.442	
95 hexachlorobutadiene	225	23.165	23.165	(1.204)	247457	500.000	491.907	
96 naphthalene	128	23.327	23.327	(1.212)	802369	500.000	543.922	
97 1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	383613	500.000	516.300	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i
 Lab File ID: 0817A06.D
 Lab Smp Id:
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: PD
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m
 Misc Info: wg, ical

Calibration Date: 17-AUG-2010
 Calibration Time: 14:43
 Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	304725	152363	609450	304696	-0.01
62 chlorobenzene-d5	214936	107468	429872	216342	0.65
87 1,4-dichlorobenze	111468	55734	222936	112740	1.14

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 17-AUG-2010 16:26

Client ID:

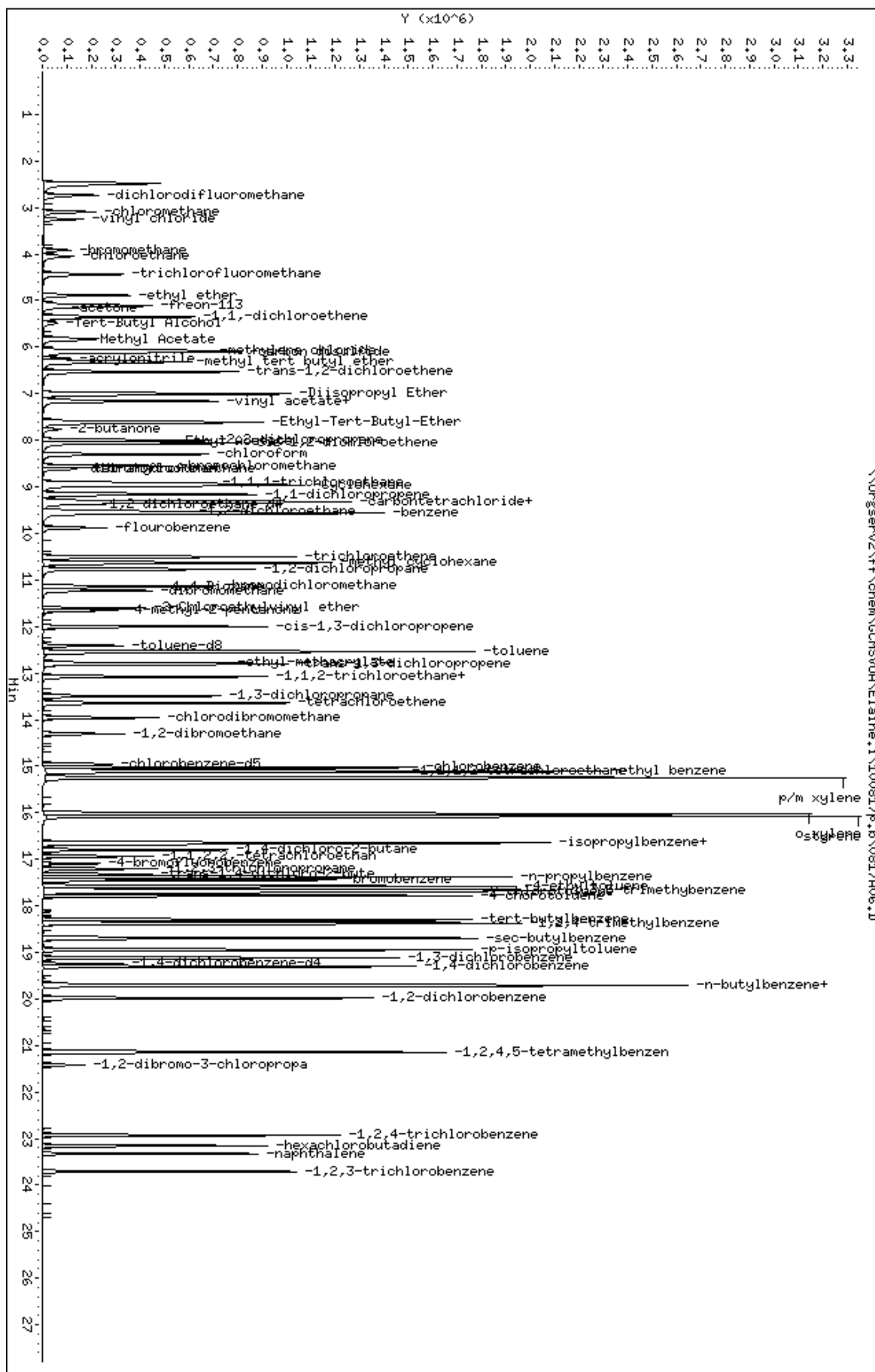
Instrument: Elaine.i

Sample Info: ICAL LCP

Purge Volume: 10.0

Column phase:

Operator: PD
Column diameter: 0.18



Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A06.D
Lab Smp Id:
Inj Date : 17-AUG-2010 16:26
Operator : PD
Smp Info : ICAL L6
Misc Info : wg, ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
Meth Date : 18-Aug-2010 08:39 Elaine.i
Cal Date : 17-AUG-2010 15:52
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: VOA-4

Inst ID: Elaine.i

Quant Type: ISTD
Cal File: 0817A05.D
Calibration Sample, Level: 6

Compound Sublist: curve.sub

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85	2.731	2.731 (0.276)		397357	500.000	517.779	
2 chloromethane	50	3.095	3.095 (0.313)		420308	500.000	469.988	
3 vinyl chloride	62	3.257	3.257 (0.330)		248724	500.000	486.133	
4 bromomethane	94	3.915	3.915 (0.396)		127258	500.000	494.434	
5 chloroethane	64	4.047	4.047 (0.410)		215053	500.000	503.994	
6 trichlorofluoromethane	101	4.432	4.432 (0.449)		456523	500.000	531.786	
7 ethyl ether	74	4.887	4.887 (0.495)		221947	500.000	509.802	
8 freon-113	101	5.110	5.110 (0.517)		365188	500.000	520.608	
9 acetone	43	5.161	5.161 (0.522)		75012	500.000	440.960(M)	M1
10 1,1,-dichloroethene	96	5.363	5.363 (0.543)		365410	500.000	516.563	
11 Tert-Butyl Alcohol	59	5.485	5.485 (0.555)		125681	2500.00	2438.597(A)	
12 Methyl Acetate	43	5.849	5.849 (0.592)		227364	500.000	476.078	
13 methylene chloride	84	6.072	6.072 (0.615)		387185	500.000	485.118	
14 carbon disulfide	76	6.103	6.103 (0.618)		1125075	500.000	513.234	
15 acrylonitrile	53	6.244	6.244 (0.632)		127828	500.000	511.764	
16 methyl tert butyl ether	73	6.315	6.315 (0.639)		1002831	500.000	494.723	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		404777	500.000	510.136	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		1503131	500.000	506.072	
21 vinyl acetate	43	7.146	7.146 (0.723)		370629	500.000	497.777	
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		764003	500.000	507.910	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611 (0.770)		1347402	500.000	502.034	
24 2-butanone	43	7.763	7.763 (0.786)		122408	500.000	492.400	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		599815	500.000	518.369	
26 Ethyl Acetate	43	8.027	8.027 (0.812)		290372	500.000	462.192(A)	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		435762	500.000	509.268	
28 chloroform	83	8.300	8.300 (0.840)		678774	500.000	503.722	
29 bromochloromethane	128	8.553	8.553 (0.866)		182730	500.000	513.871	
30 tetrahydrofuran	42	8.594	8.594 (0.870)		88249	500.000	506.394	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
						CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113	8.624	8.624 (0.873)		66911	100.000	100.795	
33 1,1,1-trichloroethane	97	8.918	8.918 (0.903)		622296	500.000	517.251	
34 Cyclohexane	56	8.968	8.968 (0.908)		809715	500.000	510.048(A)	
35 1,1-dichloropropene	75	9.161	9.161 (0.927)		560078	500.000	514.849	
36 carbontetrachloride	117	9.313	9.313 (0.943)		532264	500.000	528.696	
37 Tertiary-Amyl Methyl Ether	73	9.333	9.333 (0.945)		998721	500.000	494.439	
\$ 38 1,2-dichloroethane-d4	65	9.373	9.373 (0.949)		73370	100.000	98.572	
39 1,2-dichloroethane	62	9.525	9.525 (0.964)		511453	500.000	492.982	
40 benzene	78	9.566	9.566 (0.968)		1637309	500.000	495.069	
* 41 flourobenzene	96	9.880	9.880 (1.000)		304696	100.000		
42 trichloroethene	95	10.507	10.507 (1.064)		442974	500.000	518.506	
43 methyl cyclohexane	83	10.629	10.629 (1.076)		701828	500.000	501.417	
44 1,2-dichloropropane	63	10.771	10.771 (1.090)		440302	500.000	508.916	
45 bromodichloromethane	83	11.135	11.135 (1.127)		504623	500.000	516.161	
46 1,4-Dioxane	88	11.156	11.156 (1.129)		203536	40000.0	40426.147(A)	
47 dibromomethane	93	11.226	11.226 (1.136)		200024	500.000	506.753	
48 2-Chloroethylvinyl ether	63	11.601	11.601 (1.174)		224113	500.000	515.909(A)	
49 4-methyl-2-pentanone	58	11.652	11.652 (1.179)		118988	500.000	516.824	
51 cis-1,3-dichloropropene	75	11.996	11.996 (1.214)		646470	500.000	510.552	
\$ 52 toluene-d8	98	12.411	12.411 (0.829)		285614	100.000	99.209	
53 toluene	92	12.543	12.543 (0.838)		1048628	500.000	490.510	
54 ethyl-methacrylate	69	12.786	12.786 (0.855)		434987	500.000	494.350	
55 trans-1,3-dichloropropene	75	12.816	12.816 (0.857)		542268	500.000	509.597	
56 1,1,2-trichloroethane	83	13.080	13.080 (0.874)		242857	500.000	489.631	
57 2-hexanone	43	13.080	13.080 (0.874)		187429	500.000	497.816	
58 1,3-dichloropropane	76	13.495	13.495 (0.902)		539195	500.000	490.326	
59 tetrachloroethene	166	13.647	13.647 (0.912)		412898	500.000	505.586	
60 chlorodibromomethane	129	13.961	13.961 (0.933)		346128	500.000	520.963	
61 1,2-dibromoethane	107	14.305	14.305 (0.956)		295338	500.000	494.144	
* 62 chlorobenzene-d5	117	14.963	14.963 (1.000)		216342	100.000		
63 chlorobenzene	112	15.024	15.024 (1.004)		1126433	500.000	491.973	
64 1,1,1,2-tetrachloroethane	131	15.095	15.095 (1.009)		365866	500.000	504.540	
65 ethyl benzene	91	15.115	15.115 (1.010)		1849962	500.000	479.703	
66 p/m xylene	106	15.257	15.257 (1.020)		1426604	1000.00	952.448	
67 o xylene	106	16.026	16.026 (1.071)		1372721	1000.00	945.818	
68 styrene	104	16.077	16.077 (1.074)		2311867	1000.00	937.727(M)	M1
69 isopropylbenzene	105	16.654	16.654 (0.865)		1784962	500.000	483.592	
70 bromoform	173	16.664	16.664 (0.866)		191178	500.000	521.779	
71 1,4-dichloro-2-butane	55	16.796	16.796 (0.873)		617345	500.000	483.385	
72 1,1,2,2,-tetrachloroethane	83	16.938	16.938 (0.880)		300527	500.000	473.228	
\$ 73 4-bromofluorobenzene	95	17.090	17.090 (0.888)		114552	100.000	99.355	
74 1,2,3-trichloropropane	75	17.201	17.201 (0.894)		264388	500.000	479.687	
75 trans-1,4-dichloro-2-butene	53	17.322	17.322 (0.900)		130549	500.000	494.470(M)	M1
76 n-propylbenzene	91	17.373	17.373 (0.903)		2122635	500.000	488.910	
77 bromobenzene	156	17.444	17.444 (0.906)		450419	500.000	491.584	
78 4-ethyltoluene	105	17.586	17.586 (0.914)		1815225	500.000	500.585(A)	
79 1,3,5-trimethybenzene	105	17.667	17.667 (0.918)		1475075	500.000	480.250	
80 2-chlorotoluene	91	17.697	17.697 (0.920)		1443718	500.000	475.761	
81 4-chorotoluene	91	17.778	17.778 (0.924)		1381690	500.000	477.978	
82 tert-butylbenzene	119	18.305	18.305 (0.951)		1270997	500.000	486.310	
83 1,2,4-trimethylbenzene	105	18.376	18.376 (0.955)		1509209	500.000	496.506	
84 sec-butylbenzene	105	18.700	18.700 (0.972)		1844870	500.000	491.006	
85 p-isopropyltoluene	119	18.953	18.953 (0.985)		1508187	500.000	500.391	
86 1,3-dichlorobenzene	146	19.115	19.115 (0.993)		785062	500.000	482.226	

						AMOUNTS			
		QUANT	SIG				CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE
=====		=====	=====	=====	=====	=====	=====	=====	=====
* 87	1,4-dichlorobenzene-d4	152	19.246	19.246	(1.000)	112740	100.000		
88	1,4-dichlorobenzene	146	19.307	19.307	(1.003)	786509	500.000	476.896	
89	n-butylbenzene	91	19.702	19.702	(1.024)	1552936	500.000	510.116	
90	p-Diethylbenzene	119	19.722	19.722	(1.025)	871441	500.000	514.023(A)	
91	1,2-dichlorobenzene	146	19.986	19.986	(1.038)	719186	500.000	478.209	
92	1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	1248467	500.000	544.669(A)	
93	1,2-dibromo-3-chloropropane	75	21.424	21.424	(1.113)	55545	500.000	500.591	
94	1,2,4-trichlorobenzene	180	22.932	22.932	(1.192)	469272	500.000	519.442	
95	hexachlorobutadiene	225	23.165	23.165	(1.204)	247457	500.000	491.907	
96	naphthalene	128	23.327	23.327	(1.212)	802369	500.000	543.922	
97	1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	383613	500.000	516.300	

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i
 Lab File ID: 0817A06.D
 Lab Smp Id:
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: PD
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
 Misc Info: wg, ical

Calibration Date: 17-AUG-2010
 Calibration Time: 14:43

Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	304725	152363	609450	304696	-0.01
62 chlorobenzene-d5	214936	107468	429872	216342	0.65
87 1,4-dichlorobenze	111468	55734	222936	112740	1.14

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 17-AUG-2010 16:26

Client ID:

Sample Info: ICAL L6

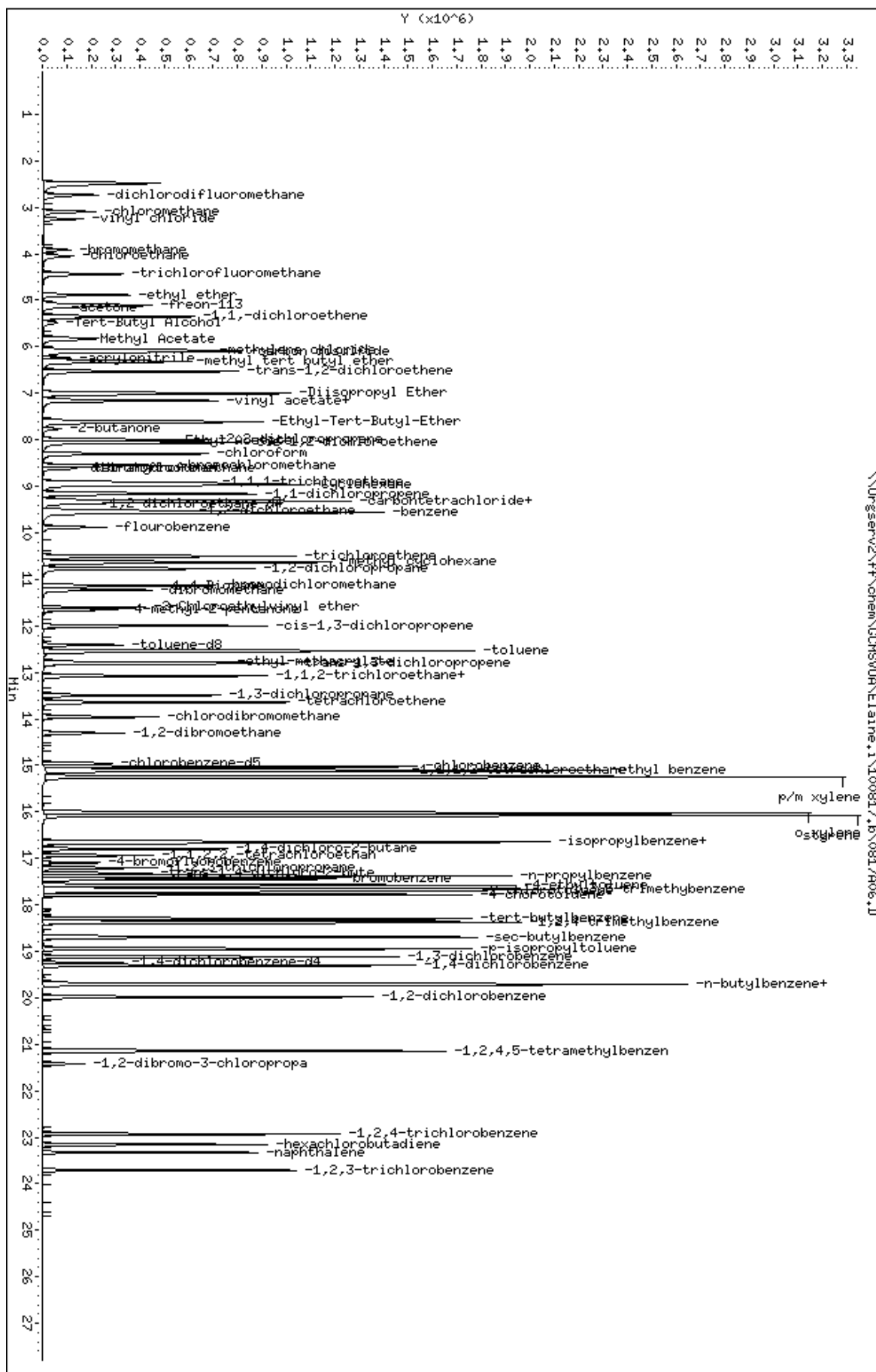
Purge Volume: 10.0

Column phase:

Instrument: Elaine.i

Operator: PD

Column diameter: 0.18



Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\0817A07.D
Lab Smp Id:
Inj Date : 17-AUG-2010 17:01
Operator : PD Inst ID: Elaine.i
Smp Info : ICAL L7P
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m
Meth Date : 18-Aug-2010 08:40 Elaine.i Quant Type: ISTD
Cal Date : 17-AUG-2010 16:26 Cal File: 0817A06.D
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85	2.731	2.731 (0.276)		754240	1000.00	976.748	
2 chloromethane	50	3.085	3.085 (0.312)		847512	1000.00	946.106	
3 vinyl chloride	62	3.247	3.247 (0.329)		445875	1000.00	866.083	
4 bromomethane	94	3.915	3.915 (0.396)		269149	1000.00	1011.923(A)	
5 chloroethane	64	4.037	4.037 (0.409)		390644	1000.00	878.177	
6 trichlorofluoromethane	101	4.432	4.432 (0.449)		882955	1000.00	1022.168(A)	
7 ethyl ether	74	4.887	4.887 (0.495)		429341	1000.00	980.084	
8 freon-113	101	5.100	5.100 (0.516)		703514	1000.00	996.727	
9 acetone	43	5.161	5.161 (0.522)		156187	1000.00	925.351	
10 1,1,-dichloroethene	96	5.353	5.353 (0.542)		699747	1000.00	983.088	
11 Tert-Butyl Alcohol	59	5.495	5.495 (0.556)		256884	5000.00	4982.223(A)	
12 Methyl Acetate	43	5.849	5.849 (0.592)		468862	1000.00	988.727	
13 methylene chloride	84	6.072	6.072 (0.615)		717954	1000.00	893.994	
14 carbon disulfide	76	6.103	6.103 (0.618)		2092073	1000.00	948.462	
15 acrylonitrile	53	6.244	6.244 (0.632)		260341	1000.00	1051.920(A)	
16 methyl tert butyl ether	73	6.325	6.325 (0.640)		1948847	1000.00	955.479	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		773072	1000.00	968.276	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		2849215	1000.00	954.731	
21 vinyl acetate	43	7.146	7.146 (0.723)		651748	1000.00	1000.701(A)	
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		1457254	1000.00	962.800	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611 (0.770)		2588148	1000.00	958.371	
24 2-butanone	43	7.773	7.773 (0.787)		246847	1000.00	958.948	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		1137955	1000.00	977.362	
26 Ethyl Acetate	43	8.027	8.027 (0.812)		561780	1000.00	919.226(A)	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		826816	1000.00	960.317	
28 chloroform	83	8.300	8.300 (0.840)		1295202	1000.00	955.240	
29 bromochloromethane	128	8.553	8.553 (0.866)		341082	1000.00	953.262	
30 tetrahydrofuran	42	8.604	8.604 (0.871)		177341	1000.00	988.158	

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113			8.624	8.624 (0.873)		67780	100.000	101.473	
33 1,1,1-trichloroethane	97			8.918	8.918 (0.903)		1175517	1000.00	971.051	
34 Cyclohexane	56			8.968	8.968 (0.908)		1554689	1000.00	973.266(A)	
35 1,1-dichloropropene	75			9.161	9.161 (0.927)		1060267	1000.00	968.625	
36 carbontetrachloride	117			9.313	9.313 (0.943)		1007401	1000.00	994.467	
37 Tertiary-Amyl Methyl Ether	73			9.333	9.333 (0.945)		1870760	1000.00	920.440	
\$ 38 1,2-dichloroethane-d4	65			9.383	9.383 (0.950)		75864	100.000	101.293	
39 1,2-dichloroethane	62			9.525	9.525 (0.964)		989674	1000.00	948.039	
40 benzene	78			9.566	9.566 (0.968)		2992477	1000.00	899.238	
* 41 flourobenzene	96			9.880	9.880 (1.000)		306590	100.000		
42 trichloroethene	95			10.507	10.507 (1.064)		834715	1000.00	971.007	
43 methyl cyclohexane	83			10.629	10.629 (1.076)		1337370	1000.00	949.574	
44 1,2-dichloropropane	63			10.771	10.771 (1.090)		843312	1000.00	968.708	
45 bromodichloromethane	83			11.135	11.135 (1.127)		971741	1000.00	987.819	
46 1,4-Dioxane	88			11.156	11.156 (1.129)		246627	50000.0	48826.870(A)	
47 dibromomethane	93			11.226	11.226 (1.136)		393968	1000.00	991.937	
48 2-Chloroethylvinyl ether	63			11.601	11.601 (1.174)		445655	1000.00	1019.563(A)	
49 4-methyl-2-pentanone	58			11.662	11.662 (1.180)		239559	1000.00	1034.096(A)	
51 cis-1,3-dichloropropene	75			12.006	12.006 (1.215)		1221087	1000.00	958.400	
\$ 52 toluene-d8	98			12.411	12.411 (0.829)		286919	100.000	99.595	
53 toluene	92			12.543	12.543 (0.838)		1904132	1000.00	890.088	
54 ethyl-methacrylate	69			12.786	12.786 (0.855)		819643	1000.00	930.877	
55 trans-1,3-dichloropropene	75			12.816	12.816 (0.857)		1023898	1000.00	961.565	
56 1,1,2-trichloroethane	83			13.080	13.080 (0.874)		467095	1000.00	941.093	
57 2-hexanone	43			13.080	13.080 (0.874)		359327	1000.00	953.743	
58 1,3-dichloropropane	76			13.505	13.505 (0.903)		1032507	1000.00	938.300	
59 tetrachloroethene	166			13.647	13.647 (0.912)		767366	1000.00	938.998	
60 chlorodibromomethane	129			13.961	13.961 (0.933)		682050	1000.00	989.778	
61 1,2-dibromoethane	107			14.305	14.305 (0.956)		581362	1000.00	972.052	
* 62 chlorobenzene-d5	117			14.963	14.963 (1.000)		216487	100.000		
63 chlorobenzene	112			15.034	15.034 (1.005)		2044299	1000.00	892.256	
64 1,1,1,2-tetrachloroethane	131			15.095	15.095 (1.009)		665851	1000.00	917.613	
65 ethyl benzene	91			15.125	15.125 (1.011)		3181293	1000.00	824.371	
66 p/m xylene	106			15.257	15.257 (1.020)		2393629	2000.00	1596.997	
67 o xylene	106			16.026	16.026 (1.071)		2297646	2000.00	1582.040	
68 styrene	104			16.087	16.087 (1.075)		3756015	2000.00	1545.195	
69 isopropylbenzene	105			16.654	16.654 (0.865)		3061779	1000.00	839.900	
70 bromoform	173			16.664	16.664 (0.866)		358899	1000.00	991.802	
71 1,4-dichloro-2-butane	55			16.806	16.806 (0.873)		1196737	1000.00	948.784	
72 1,1,2,2,-tetrachloroethane	83			16.938	16.938 (0.880)		583545	1000.00	930.390	
\$ 73 4-bromofluorobenzene	95			17.100	17.100 (0.888)		114382	100.000	100.449	
74 1,2,3-trichloropropane	75			17.211	17.211 (0.894)		524241	1000.00	963.055	
75 trans-1,4-dichloro-2-butene	53			17.322	17.322 (0.900)		242504	1000.00	985.992	
76 n-propylbenzene	91			17.383	17.383 (0.903)		3702849	1000.00	863.561	
77 bromobenzene	156			17.454	17.454 (0.907)		832147	1000.00	919.570	
78 4-ethyltoluene	105			17.586	17.586 (0.914)		3129682	1000.00	873.878(A)	
79 1,3,5-trimethybenzene	105			17.667	17.667 (0.918)		2547091	1000.00	839.655	
80 2-chlorotoluene	91			17.697	17.697 (0.920)		2488799	1000.00	830.424	
81 4-chorotoluene	91			17.788	17.788 (0.924)		2475489	1000.00	867.085	
82 tert-butylbenzene	119			18.315	18.315 (0.952)		2282487	1000.00	884.262	
83 1,2,4-trimethylbenzene	105			18.386	18.386 (0.955)		2650649	1000.00	882.940	
84 sec-butylbenzene	105			18.700	18.700 (0.972)		3228286	1000.00	869.954	
85 p-isopropyltoluene	119			18.953	18.953 (0.985)		2651013	1000.00	890.573	
86 1,3-dichlorobenzene	146			19.125	19.125 (0.994)		1410281	1000.00	877.114	

						AMOUNTS		
QUANT SIG						CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 87 1,4-dichlorobenzene-d4	152	19.246	19.246	(1.000)	111346	100.000		
88 1,4-dichlorobenzene	146	19.317	19.317	(1.004)	1413341	1000.00	867.703	
89 n-butylbenzene	91	19.712	19.712	(1.024)	2633464	1000.00	875.883	
90 p-Diethylbenzene	119	19.732	19.732	(1.025)	1453875	1000.00	868.311(A)	
91 1,2-dichlorobenzene	146	19.996	19.996	(1.039)	1315470	1000.00	885.647	
92 1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	2215925	1000.00	978.846(A)	
93 1,2-dibromo-3-chloropropane	75	21.424	21.424	(1.113)	114033	1000.00	1040.572(A)	
94 1,2,4-trichlorobenzene	180	22.932	22.932	(1.192)	844355	1000.00	946.326	
95 hexachlorobutadiene	225	23.165	23.165	(1.204)	444972	1000.00	895.611	
96 naphthalene	128	23.327	23.327	(1.212)	1525517	1000.00	1047.089(A)	
97 1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	691303	1000.00	942.065	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i

Lab File ID: 0817A07.D

Lab Smp Id:

Analysis Type: VOA

Quant Type: ISTD

Operator: PD

Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m

Misc Info: wg, ical

Calibration Date: 17-AUG-2010

Calibration Time: 14:43

Level: LOW

Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	304725	152363	609450	306590	0.61
62 chlorobenzene-d5	214936	107468	429872	216487	0.72
87 1,4-dichlorobenze	111468	55734	222936	111346	-0.11

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A07.D
Lab Smp Id:
Inj Date : 17-AUG-2010 17:01
Operator : PD
Smp Info : ICAL L7
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
Meth Date : 18-Aug-2010 08:39 Elaine.i
Cal Date : 17-AUG-2010 16:26
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: VOA-4

Inst ID: Elaine.i

Quant Type: ISTD
Cal File: 0817A06.D
Calibration Sample, Level: 7

Compound Sublist: curve.sub

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
						CAL-AMT (ngs)	ON-COL (ngs)	
1 dichlorodifluoromethane	85	2.731	2.731 (0.276)		754240	1000.00	976.748	
2 chloromethane	50	3.085	3.085 (0.312)		847512	1000.00	941.833	
3 vinyl chloride	62	3.247	3.247 (0.329)		445875	1000.00	866.083	
4 bromomethane	94	3.915	3.915 (0.396)		269149	1000.00	1011.923(A)	
5 chloroethane	64	4.037	4.037 (0.409)		390644	1000.00	909.850	
6 trichlorofluoromethane	101	4.432	4.432 (0.449)		882955	1000.00	1022.168(A)	
7 ethyl ether	74	4.887	4.887 (0.495)		429341	1000.00	980.084	
8 freon-113	101	5.100	5.100 (0.516)		703514	1000.00	996.727	
9 acetone	43	5.161	5.161 (0.522)		156187	1000.00	912.478	
10 1,1,-dichloroethene	96	5.353	5.353 (0.542)		699747	1000.00	983.088	
11 Tert-Butyl Alcohol	59	5.495	5.495 (0.556)		256884	5000.00	4953.547(A)	
12 Methyl Acetate	43	5.849	5.849 (0.592)		468862	1000.00	975.687	
13 methylene chloride	84	6.072	6.072 (0.615)		717954	1000.00	893.994	
14 carbon disulfide	76	6.103	6.103 (0.618)		2092073	1000.00	948.462	
15 acrylonitrile	53	6.244	6.244 (0.632)		260341	1000.00	1035.846(A)	
16 methyl tert butyl ether	73	6.325	6.325 (0.640)		1948847	1000.00	955.479	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		773072	1000.00	968.276	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		2849215	1000.00	953.345	
21 vinyl acetate	43	7.146	7.146 (0.723)		651748	1000.00	1000.701(A)	
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		1457254	1000.00	962.800	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611 (0.770)		2588148	1000.00	958.371	
24 2-butanone	43	7.773	7.773 (0.787)		246847	1000.00	986.837	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		1137955	1000.00	977.362	
26 Ethyl Acetate	43	8.027	8.027 (0.812)		561780	1000.00	888.676(A)	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		826816	1000.00	960.317	
28 chloroform	83	8.300	8.300 (0.840)		1295202	1000.00	955.240	
29 bromochloromethane	128	8.553	8.553 (0.866)		341082	1000.00	953.262	
30 tetrahydrofuran	42	8.604	8.604 (0.871)		177341	1000.00	1011.339(A)	

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113	8.624	8.624 (0.873)		67780	100.000	101.473	
33 1,1,1-trichloroethane	97	8.918	8.918 (0.903)		1175517	1000.00	971.051	
34 Cyclohexane	56	8.968	8.968 (0.908)		1554689	1000.00	973.266(A)	
35 1,1-dichloropropene	75	9.161	9.161 (0.927)		1060267	1000.00	968.625	
36 carbontetrachloride	117	9.313	9.313 (0.943)		1007401	1000.00	994.467	
37 Tertiary-Amyl Methyl Ether	73	9.333	9.333 (0.945)		1870760	1000.00	920.440	
\$ 38 1,2-dichloroethane-d4	65	9.383	9.383 (0.950)		75864	100.000	101.293	
39 1,2-dichloroethane	62	9.525	9.525 (0.964)		989674	1000.00	948.039	
40 benzene	78	9.566	9.566 (0.968)		2992477	1000.00	899.238	
* 41 flourobenzene	96	9.880	9.880 (1.000)		306590	100.000		
42 trichloroethene	95	10.507	10.507 (1.064)		834715	1000.00	971.007	
43 methyl cyclohexane	83	10.629	10.629 (1.076)		1337370	1000.00	949.574	
44 1,2-dichloropropane	63	10.771	10.771 (1.090)		843312	1000.00	968.708	
45 bromodichloromethane	83	11.135	11.135 (1.127)		971741	1000.00	987.819	
46 1,4-Dioxane	88	11.156	11.156 (1.129)		246627	50000.0	48682.234(A)	
47 dibromomethane	93	11.226	11.226 (1.136)		393968	1000.00	991.937	
48 2-Chloroethylvinyl ether	63	11.601	11.601 (1.174)		445655	1000.00	1019.563(A)	
49 4-methyl-2-pentanone	58	11.662	11.662 (1.180)		239559	1000.00	1034.096(A)	
51 cis-1,3-dichloropropene	75	12.006	12.006 (1.215)		1221087	1000.00	958.400	
\$ 52 toluene-d8	98	12.411	12.411 (0.829)		286919	100.000	99.595	
53 toluene	92	12.543	12.543 (0.838)		1904132	1000.00	890.088	
54 ethyl-methacrylate	69	12.786	12.786 (0.855)		819643	1000.00	930.877	
55 trans-1,3-dichloropropene	75	12.816	12.816 (0.857)		1023898	1000.00	961.565	
56 1,1,2-trichloroethane	83	13.080	13.080 (0.874)		467095	1000.00	941.093	
57 2-hexanone	43	13.080	13.080 (0.874)		359327	1000.00	953.743	
58 1,3-dichloropropane	76	13.505	13.505 (0.903)		1032507	1000.00	938.300	
59 tetrachloroethene	166	13.647	13.647 (0.912)		767366	1000.00	938.998	
60 chlorodibromomethane	129	13.961	13.961 (0.933)		682050	1000.00	1025.877(A)	
61 1,2-dibromoethane	107	14.305	14.305 (0.956)		581362	1000.00	972.052	
* 62 chlorobenzene-d5	117	14.963	14.963 (1.000)		216487	100.000		
63 chlorobenzene	112	15.034	15.034 (1.005)		2044299	1000.00	892.256	
64 1,1,1,2-tetrachloroethane	131	15.095	15.095 (1.009)		665851	1000.00	917.613	
65 ethyl benzene	91	15.125	15.125 (1.011)		3181293	1000.00	824.371	
66 p/m xylene	106	15.257	15.257 (1.020)		2393629	2000.00	1596.997	
67 o xylene	106	16.026	16.026 (1.071)		2297646	2000.00	1582.040	
68 styrene	104	16.087	16.087 (1.075)		3794534	2000.00	1538.088(M)	M1
69 isopropylbenzene	105	16.654	16.654 (0.865)		3061779	1000.00	839.900	
70 bromoform	173	16.664	16.664 (0.866)		358899	1000.00	991.802	
71 1,4-dichloro-2-butane	55	16.806	16.806 (0.873)		1196737	1000.00	948.784	
72 1,1,2,2,-tetrachloroethane	83	16.938	16.938 (0.880)		583545	1000.00	930.390	
\$ 73 4-bromofluorobenzene	95	17.100	17.100 (0.888)		114382	100.000	100.449	
74 1,2,3-trichloropropane	75	17.211	17.211 (0.894)		524241	1000.00	963.055	
75 trans-1,4-dichloro-2-butene	53	17.322	17.322 (0.900)		261017	1000.00	1001.012(AM)	M1
76 n-propylbenzene	91	17.383	17.383 (0.903)		3702849	1000.00	863.561	
77 bromobenzene	156	17.454	17.454 (0.907)		832147	1000.00	919.570	
78 4-ethyltoluene	105	17.586	17.586 (0.914)		3129682	1000.00	873.878(A)	
79 1,3,5-trimethybenzene	105	17.667	17.667 (0.918)		2547091	1000.00	839.655	
80 2-chlorotoluene	91	17.697	17.697 (0.920)		2488799	1000.00	830.424	
81 4-chorotoluene	91	17.788	17.788 (0.924)		2475489	1000.00	867.085	
82 tert-butylbenzene	119	18.315	18.315 (0.952)		2282487	1000.00	884.262	
83 1,2,4-trimethylbenzene	105	18.386	18.386 (0.955)		2650649	1000.00	882.940	
84 sec-butylbenzene	105	18.700	18.700 (0.972)		3228286	1000.00	869.954	
85 p-isopropyltoluene	119	18.953	18.953 (0.985)		2651013	1000.00	890.573	
86 1,3-dichlorobenzene	146	19.125	19.125 (0.994)		1410281	1000.00	877.114	

						AMOUNTS				
		QUANT	SIG					CAL -AMT	ON -COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE	
=====		=====	=====	=====	=====	=====	=====	=====	=====	
* 87	1,4-dichlorobenzene-d4	152	19.246	19.246	(1.000)	111346	100.000			
88	1,4-dichlorobenzene	146	19.317	19.317	(1.004)	1413341	1000.00	867.703		
89	n-butylbenzene	91	19.712	19.712	(1.024)	2633464	1000.00	875.883		
90	p-Diethylbenzene	119	19.732	19.732	(1.025)	1453875	1000.00	868.311(A)		
91	1,2-dichlorobenzene	146	19.996	19.996	(1.039)	1315470	1000.00	885.647		
92	1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	2215925	1000.00	978.846(A)		
93	1,2-dibromo-3-chloropropane	75	21.424	21.424	(1.113)	114033	1000.00	1040.572(A)		
94	1,2,4-trichlorobenzene	180	22.932	22.932	(1.192)	844355	1000.00	946.326		
95	hexachlorobutadiene	225	23.165	23.165	(1.204)	444972	1000.00	895.611		
96	naphthalene	128	23.327	23.327	(1.212)	1525517	1000.00	1047.089(A)		
97	1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	691303	1000.00	942.065		

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i
 Lab File ID: 0817A07.D
 Lab Smp Id:
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: PD
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
 Misc Info: wg, ical

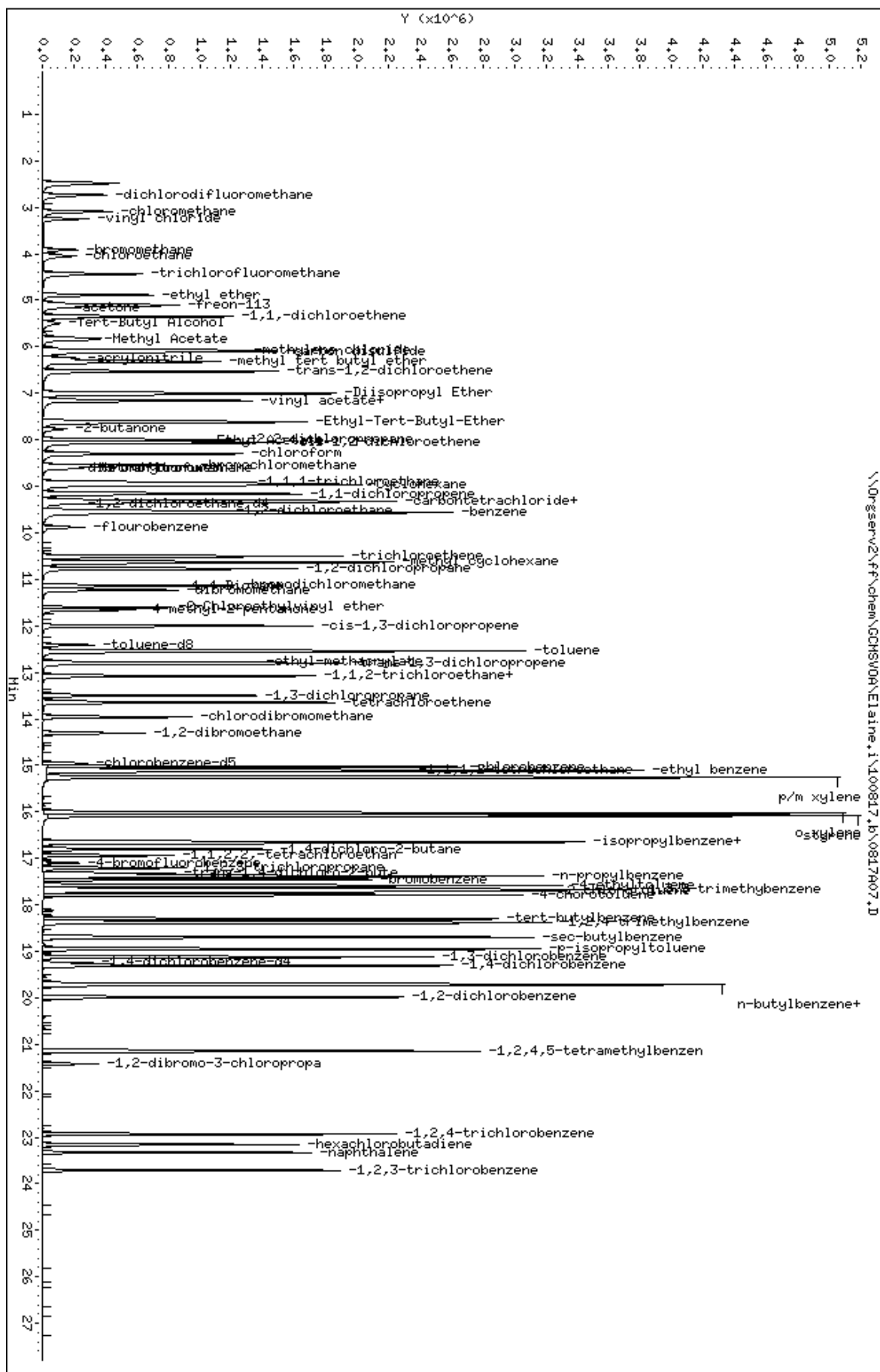
Calibration Date: 17-AUG-2010
 Calibration Time: 14:43

Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	304725	152363	609450	306590	0.61
62 chlorobenzene-d5	214936	107468	429872	216487	0.72
87 1,4-dichlorobenze	111468	55734	222936	111346	-0.11

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Initial Calibration Verification

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Elaine.i Injection Date: 17-AUG-2010 19:53
Lab File ID: 0817A12.D Init. Cal. Date(s): 17-AUG-2010 17-AUG-2010
Analysis Type: WATER Init. Cal. Times: 13:34 17:01
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 dichlorodifluoromethane	0.25187	0.27397	0.27397	0.010	-8.77654	25.00000	Averaged
2 chloromethane	0.29350	0.25365	0.25365	0.100	13.57716	25.00000	Averaged
3 vinyl chloride	0.16792	0.18556	0.18556	0.010	-10.50408	20.00000	Averaged
4 bromomethane	100	147	0.10875	0.010	-47.09417	25.00000	Linear <-
5 chloroethane	0.14004	0.14435	0.14435	0.010	-3.07577	25.00000	Averaged
6 trichlorofluoromethane	0.28175	0.31868	0.31868	0.010	-13.10764	25.00000	Averaged
7 ethyl ether	0.14288	0.15454	0.15454	0.010	-8.16142	25.00000	Averaged
8 freon-113	0.23022	0.28014	0.28014	0.010	-21.68389	25.00000	Averaged
9 acetone	0.05583	0.06336	0.06336	0.010	-13.48839	40.00000	Averaged
10 1,1,-dichloroethene	0.23216	0.24113	0.24113	0.010	-3.86167	20.00000	Averaged
11 Tert-Butyl Alcohol	0.01691	0.01908	0.01908	0.001	-12.81117	25.00000	Averaged
12 Methyl Acetate	0.15674	0.16876	0.16876	0.010	-7.67217	25.00000	Averaged
13 methylene chloride	0.26194	0.27263	0.27263	0.010	-4.08052	25.00000	Averaged
14 carbon disulfide	0.71945	0.59966	0.59966	0.010	16.65027	25.00000	Averaged
15 acrylonitrile	0.08198	0.08090	0.08090	0.010	1.31234	25.00000	Averaged
16 methyl tert butyl ether	0.66527	0.68533	0.68533	0.010	-3.01513	25.00000	Averaged
18 trans-1,2-dichloroethene	0.26041	0.27670	0.27670	0.010	-6.25294	25.00000	Averaged
19 Diisopropyl Ether	0.97480	1.00106	1.00106	0.010	-2.69387	25.00000	Averaged
21 vinyl acetate	100	17.00422	0.08396	0.010	82.99578	40.00000	Quadratic <-
22 1,1-dichloroethane	0.49367	0.52040	0.52040	0.010	-5.41456	25.00000	Averaged
23 Ethyl-Tert-Butyl-Ether	0.88084	0.91723	0.91723	0.010	-4.13083	25.00000	Averaged
24 2-butanone	0.08159	0.08997	0.08997	0.010	-10.27035	40.00000	Averaged
25 2,2-dichloropropane	0.37976	0.34079	0.34079	0.010	10.26338	25.00000	Averaged
26 Ethyl Acetate	0.20619	0.19991	0.19991	0.010	3.04717	25.00000	Averaged
27 cis-1,2-dichloroethene	0.28083	0.31444	0.31444	0.010	-11.96979	25.00000	Averaged
28 chloroform	0.44225	0.46929	0.46929	0.010	-6.11473	20.00000	Averaged
29 bromochloromethane	0.11670	0.12358	0.12358	0.010	-5.89398	25.00000	Averaged
30 tetrahydrofuran	0.05719	0.05928	0.05928	0.010	-3.64068	40.00000	Averaged
31 dibromofluoromethane	0.21787	0.21540	0.21540	0.010	1.13210	30.00000	Averaged
33 1,1,1-trichloroethane	0.39485	0.41443	0.41443	0.010	-4.95865	25.00000	Averaged
34 Cyclohexane	0.52102	0.60207	0.60207	0.010	-15.55578	25.00000	Averaged
35 1,1-dichloropropene	0.35703	0.38564	0.38564	0.010	-8.01373	25.00000	Averaged
36 carbontetrachloride	0.33041	0.34778	0.34778	0.010	-5.25840	25.00000	Averaged
37 Tertiary-Amyl Methyl Ether	0.66292	0.71664	0.71664	0.010	-8.10205	25.00000	Averaged
38 1,2-dichloroethane-d4	0.24428	0.24232	0.24232	0.010	0.80245	30.00000	Averaged
39 1,2-dichloroethane	0.34049	0.35600	0.35600	0.010	-4.55393	25.00000	Averaged
40 benzene	1.08542	1.13628	1.13628	0.010	-4.68611	25.00000	Averaged
42 trichloroethene	0.28039	0.33716	0.33716	0.010	-20.24825	25.00000	Averaged
43 methyl cyclohexane	0.45937	0.52962	0.52962	0.010	-15.29181	25.00000	Averaged
44 1,2-dichloropropane	0.28395	0.29649	0.29649	0.010	-4.41652	20.00000	Averaged
45 bromodichloromethane	0.32086	0.34626	0.34626	0.010	-7.91639	25.00000	Averaged
46 1,4-Dioxane	0.00165	0.00199	0.00199	0.000	-20.37066	25.00000	Averaged
47 dibromomethane	0.12954	0.13726	0.13726	0.010	-5.95691	25.00000	Averaged
48 2-Chloroethylvinyl ether	0.14257	0.15104	0.15104	0.010	-5.93864	25.00000	Averaged

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Elaine.i Injection Date: 17-AUG-2010 19:53
Lab File ID: 0817A12.D Init. Cal. Date(s): 17-AUG-2010 17-AUG-2010
Analysis Type: WATER Init. Cal. Times: 13:34 17:01
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
49 4-methyl-2-pentanone	0.07556	0.08355	0.08355	0.010	-10.57312	40.00000	Averaged
51 cis-1,3-dichloropropene	0.41557	0.38569	0.38569	0.010	7.18988	25.00000	Averaged
52 toluene-d8	1.33072	1.32062	1.32062	0.010	0.75900	30.00000	Averaged
53 toluene	0.98817	0.99719	0.99719	0.010	-0.91243	20.00000	Averaged
54 ethyl-methacrylate	0.40672	0.43381	0.43381	0.010	-6.65993	25.00000	Averaged
55 trans-1,3-dichloropropene	0.49187	0.51338	0.51338	0.010	-4.37456	25.00000	Averaged
56 1,1,2-trichloroethane	0.22927	0.23975	0.23975	0.010	-4.57350	25.00000	Averaged
57 2-hexanone	0.17403	0.18958	0.18958	0.010	-8.93508	40.00000	Averaged
58 1,3-dichloropropane	0.50830	0.53496	0.53496	0.010	-5.24470	25.00000	Averaged
59 tetrachloroethene	0.37749	0.40334	0.40334	0.010	-6.84856	25.00000	Averaged
60 chlorodibromomethane	0.30711	0.30809	0.30809	0.010	-0.32041	25.00000	Averaged
61 1,2-dibromoethane	0.27626	0.28892	0.28892	0.010	-4.58218	25.00000	Averaged
63 chlorobenzene	1.05833	1.05330	1.05330	0.300	0.47582	25.00000	Averaged
64 1,1,1,2-tetrachloroethane	0.33519	0.36176	0.36176	0.010	-7.92825	25.00000	Averaged
65 ethyl benzene	1.78258	1.93247	1.93247	0.010	-8.40859	20.00000	Averaged
66 p/m xylene	0.69234	0.74654	0.74654	0.010	-7.82875	25.00000	Averaged
67 o xylene	0.67086	0.74517	0.74517	0.010	-11.07578	25.00000	Averaged
68 styrene	1.13958	1.26926	1.26926	0.010	-11.37961	25.00000	Averaged
69 isopropylbenzene	3.27395	3.43281	3.43281	0.010	-4.85229	25.00000	Averaged
70 bromoform	0.32499	0.33744	0.33744	0.100	-3.83092	25.00000	Averaged
71 1,4-dichloro-2-butane	1.13281	1.22270	1.22270	0.010	-7.93500	25.00000	Averaged
72 1,1,2,2-tetrachloroethane	0.56329	0.47352	0.47352	0.300	15.93652	25.00000	Averaged
73 4-bromofluorobenzene	1.02267	1.00863	1.00863	0.010	1.37209	30.00000	Averaged
74 1,2,3-trichloropropane	0.48888	0.51385	0.51385	0.010	-5.10765	25.00000	Averaged
75 trans-1,4-dichloro-2-butene	0.23418	0.22828	0.22828	0.010	2.52203	25.00000	Averaged
76 n-propylbenzene	3.85095	4.04686	4.04686	0.010	-5.08727	25.00000	Averaged
77 bromobenzene	0.81272	0.85491	0.85491	0.010	-5.19102	25.00000	Averaged
78 4-ethyltoluene	3.21643	3.18797	3.18797	0.010	0.88478	25.00000	Averaged
79 1,3,5-trimethylbenzene	2.72439	2.86576	2.86576	0.010	-5.18921	25.00000	Averaged
80 2-chlorotoluene	2.69163	2.82713	2.82713	0.010	-5.03417	25.00000	Averaged
81 4-chlorotoluene	2.56404	2.67565	2.67565	0.010	-4.35295	25.00000	Averaged
82 tert-butylbenzene	2.31821	2.40599	2.40599	0.010	-3.78662	25.00000	Averaged
83 1,2,4-trimethylbenzene	2.69616	2.89791	2.89791	0.010	-7.48291	25.00000	Averaged
84 sec-butylbenzene	3.33273	3.57313	3.57313	0.010	-7.21318	25.00000	Averaged
85 p-isopropyltoluene	2.67342	2.96133	2.96133	0.010	-10.76940	25.00000	Averaged
86 1,3-dichlorobenzene	1.44403	1.52046	1.52046	0.010	-5.29295	25.00000	Averaged
88 1,4-dichlorobenzene	1.46285	1.53375	1.53375	0.010	-4.84658	25.00000	Averaged
89 n-butylbenzene	2.70027	3.01470	3.01470	0.010	-11.64447	25.00000	Averaged
90 p-Diethylbenzene	1.50375	1.63958	1.63958	0.010	-9.03223	25.00000	Averaged
91 1,2-dichlorobenzene	1.33397	1.38240	1.38240	0.010	-3.63058	25.00000	Averaged
92 1,2,4,5-tetramethylbenzene	2.03313	2.24197	2.24197	0.010	-10.27158	25.00000	Averaged
93 1,2-dibromo-3-chloropropane	0.09842	0.09585	0.09585	0.010	2.61018	25.00000	Averaged
94 1,2,4-trichlorobenzene	0.80133	0.89282	0.89282	0.010	-11.41776	25.00000	Averaged
95 hexachlorobutadiene	0.44621	0.46564	0.46564	0.010	-4.35576	25.00000	Averaged

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Elaine.i Injection Date: 17-AUG-2010 19:53
 Lab File ID: 0817A12.D Init. Cal. Date(s): 17-AUG-2010 17-AUG-2010
 Analysis Type: WATER Init. Cal. Times: 13:34 17:01
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
96 naphthalene	1.30846	1.42872	1.42872	0.010	-9.19139	25.00000	Averaged
97 1,2,3-trichlorobenzene	0.65904	0.72161	0.72161	0.010	-9.49398	25.00000	Averaged
170 1,3-butadiene	++++	++++	0.00000	0.001	++++	25.00000	Averaged<-

Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\0817A12.D
Lab Smp Id:
Inj Date : 17-AUG-2010 19:53
Operator : PD Inst ID: Elaine.i
Smp Info : ICPV
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m
Meth Date : 18-Aug-2010 08:40 Elaine.i Quant Type: ISTD
Cal Date : 17-AUG-2010 17:01 Cal File: 0817A07.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS						AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====		=====	=====	=====
1 dichlorodifluoromethane	85	2.730	2.730 (0.276)		81923		100.000	108.776	
2 chloromethane	50	3.095	3.095 (0.313)		75848		100.000	86.814	
3 vinyl chloride	62	3.257	3.257 (0.330)		55485		100.000	110.504	
4 bromomethane	94	3.915	3.915 (0.396)		32519		100.000	147.094	
5 chloroethane	64	4.047	4.047 (0.410)		43163		100.000	99.487	
6 trichlorofluoromethane	101	4.442	4.442 (0.450)		95291		100.000	113.107	
7 ethyl ether	74	4.877	4.877 (0.494)		46212		100.000	108.161	
8 freon-113	101	5.110	5.110 (0.517)		83767		100.000	121.683	
9 acetone	43	5.151	5.151 (0.521)		18946		100.000	115.089	
10 1,1,-dichloroethene	96	5.363	5.363 (0.543)		72102		100.000	103.861	
11 Tert-Butyl Alcohol	59	5.475	5.475 (0.554)		28529		500.000	567.321	
12 Methyl Acetate	43	5.839	5.839 (0.591)		50464		100.000	109.111	
13 methylene chloride	84	6.072	6.072 (0.615)		81522		100.000	104.080	
14 carbon disulfide	76	6.102	6.102 (0.618)		179310		100.000	83.349	
15 acrylonitrile	53	6.244	6.244 (0.632)		24191		100.000	100.219	
16 methyl tert butyl ether	73	6.315	6.315 (0.639)		204928		100.000	103.015	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		82738		100.000	106.252	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		299339		100.000	102.843	
21 vinyl acetate	43	7.145	7.145 (0.723)		25105		100.000	17.004	
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		155612		100.000	105.414	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611 (0.770)		274270		100.000	104.130	
24 2-butanone	43	7.763	7.763 (0.786)		26902		100.000	107.153	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		101902		100.000	89.736	
26 Ethyl Acetate	43	8.026	8.026 (0.812)		59776		100.000	100.285(A)	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		94024		100.000	111.969	
28 chloroform	83	8.300	8.300 (0.840)		140328		100.000	106.114	
29 bromochloromethane	128	8.553	8.553 (0.866)		36954		100.000	105.893	
30 tetrahydrofuran	42	8.594	8.594 (0.870)		17725		100.000	101.265	

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113	8.624	8.624 (0.873)		64409	100.000	98.867	
33 1,1,1-trichloroethane	97	8.918	8.918 (0.903)		123922	100.000	104.958	
34 Cyclohexane	56	8.968	8.968 (0.908)		180031	100.000	115.555	
35 1,1-dichloropropene	75	9.161	9.161 (0.927)		115314	100.000	108.013	
36 carbontetrachloride	117	9.312	9.312 (0.943)		103995	100.000	105.258	
37 Tertiary-Amyl Methyl Ether	73	9.333	9.333 (0.945)		214289	100.000	108.102	
\$ 38 1,2-dichloroethane-d4	65	9.373	9.373 (0.949)		72460	100.000	99.197	
39 1,2-dichloroethane	62	9.515	9.515 (0.963)		106451	100.000	104.553	
40 benzene	78	9.556	9.556 (0.967)		339773	100.000	104.686	
* 41 flourobenzene	96	9.880	9.880 (1.000)		299021	100.000		
42 trichloroethene	95	10.507	10.507 (1.064)		100818	100.000	120.248	
43 methyl cyclohexane	83	10.629	10.629 (1.076)		158367	100.000	115.291	
44 1,2-dichloropropane	63	10.771	10.771 (1.090)		88656	100.000	104.416	
45 bromodichloromethane	83	11.135	11.135 (1.127)		103539	100.000	107.916	
46 1,4-Dioxane	88	11.145	11.145 (1.128)		59475	10000.0	12072.828(A)	
47 dibromomethane	93	11.226	11.226 (1.136)		41044	100.000	105.956	
48 2-Chloroethylvinyl ether	63	11.601	11.601 (1.174)		45163	100.000	105.938(A)	
49 4-methyl-2-pentanone	58	11.652	11.652 (1.179)		24983	100.000	110.573	
51 cis-1,3-dichloropropene	75	11.996	11.996 (1.214)		115329	100.000	92.810	
\$ 52 toluene-d8	98	12.411	12.411 (0.829)		281253	100.000	99.241	
53 toluene	92	12.543	12.543 (0.838)		212371	100.000	100.912	
54 ethyl-methacrylate	69	12.786	12.786 (0.855)		92389	100.000	106.659	
55 trans-1,3-dichloropropene	75	12.816	12.816 (0.857)		109335	100.000	104.374	
56 1,1,2-trichloroethane	83	13.079	13.079 (0.874)		51060	100.000	104.573	
57 2-hexanone	43	13.079	13.079 (0.874)		40375	100.000	108.935	
58 1,3-dichloropropane	76	13.495	13.495 (0.902)		113930	100.000	105.244	
59 tetrachloroethene	166	13.636	13.636 (0.911)		85900	100.000	106.848	
60 chlorodibromomethane	129	13.960	13.960 (0.933)		65614	100.000	96.790	
61 1,2-dibromoethane	107	14.305	14.305 (0.956)		61532	100.000	104.582	
* 62 chlorobenzene-d5	117	14.963	14.963 (1.000)		212970	100.000		
63 chlorobenzene	112	15.024	15.024 (1.004)		224321	100.000	99.524	
64 1,1,1,2-tetrachloroethane	131	15.095	15.095 (1.009)		77044	100.000	107.928	
65 ethyl benzene	91	15.115	15.115 (1.010)		411558	100.000	108.408	
66 p/m xylene	106	15.246	15.246 (1.019)		317983	200.000	215.657	
67 o xylene	106	16.016	16.016 (1.070)		317396	200.000	222.151	
68 styrene	104	16.077	16.077 (1.074)		532151	200.000	222.538	
69 isopropylbenzene	105	16.654	16.654 (0.865)		382099	100.000	104.852	
70 bromoform	173	16.664	16.664 (0.866)		37560	100.000	103.830	
71 1,4-dichloro-2-butane	55	16.796	16.796 (0.873)		136096	100.000	107.934	
72 1,1,2,2,-tetrachloroethane	83	16.938	16.938 (0.880)		52707	100.000	84.063	
\$ 73 4-bromofluorobenzene	95	17.089	17.089 (0.888)		112269	100.000	98.627	
74 1,2,3-trichloropropane	75	17.201	17.201 (0.894)		57196	100.000	105.107	
75 trans-1,4-dichloro-2-butene	53	17.322	17.322 (0.900)		23455	100.000	95.397	
76 n-propylbenzene	91	17.373	17.373 (0.903)		450448	100.000	105.087	
77 bromobenzene	156	17.444	17.444 (0.906)		95158	100.000	105.191	
78 4-ethyltoluene	105	17.576	17.576 (0.913)		354847	100.000	99.115(A)	
79 1,3,5-trimethybenzene	105	17.657	17.657 (0.917)		318982	100.000	105.189	
80 2-chlorotoluene	91	17.687	17.687 (0.919)		314682	100.000	105.034	
81 4-chorotoluene	91	17.778	17.778 (0.924)		297821	100.000	104.352	
82 tert-butylbenzene	119	18.305	18.305 (0.951)		267806	100.000	103.786	
83 1,2,4-trimethylbenzene	105	18.375	18.375 (0.955)		322561	100.000	107.482	
84 sec-butylbenzene	105	18.700	18.700 (0.972)		397718	100.000	107.213	
85 p-isopropyltoluene	119	18.943	18.943 (0.984)		329620	100.000	110.769	
86 1,3-dichlorobenzene	146	19.115	19.115 (0.993)		169239	100.000	105.292	

						AMOUNTS		
QUANT SIG						CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 87 1,4-dichlorobenzene-d4	152	19.246	19.246	(1.000)	111308	100.000		
88 1,4-dichlorobenzene	146	19.307	19.307	(1.003)	170719	100.000	104.846	
89 n-butylbenzene	91	19.702	19.702	(1.024)	335560	100.000	111.644	
90 p-Diethylbenzene	119	19.722	19.722	(1.025)	182498	100.000	109.032(A)	
91 1,2-dichlorobenzene	146	19.986	19.986	(1.038)	153872	100.000	103.630	
92 1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	249549	100.000	110.271(A)	
93 1,2-dibromo-3-chloropropane	75	21.423	21.423	(1.113)	10669	100.000	97.389	
94 1,2,4-trichlorobenzene	180	22.932	22.932	(1.192)	99378	100.000	111.417	
95 hexachlorobutadiene	225	23.165	23.165	(1.204)	51830	100.000	104.355	
96 naphthalene	128	23.327	23.327	(1.212)	159028	100.000	109.191	
97 1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	80321	100.000	109.493	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i

Lab File ID: 0817A12.D

Lab Smp Id:

Analysis Type: VOA

Quant Type: ISTD

Operator: PD

Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817p.b\liq8260B.m

Misc Info: wg, ical

Calibration Date: 17-AUG-2010

Calibration Time: 14:43

Level: LOW

Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	304725	152363	609450	299021	-1.87
62 chlorobenzene-d5	214936	107468	429872	212970	-0.91
87 1,4-dichlorobenze	111468	55734	222936	111308	-0.14

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	-0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	-0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	-0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date: 17-AUG-2010 19:53

Client ID:

Instrument: Elaine.i

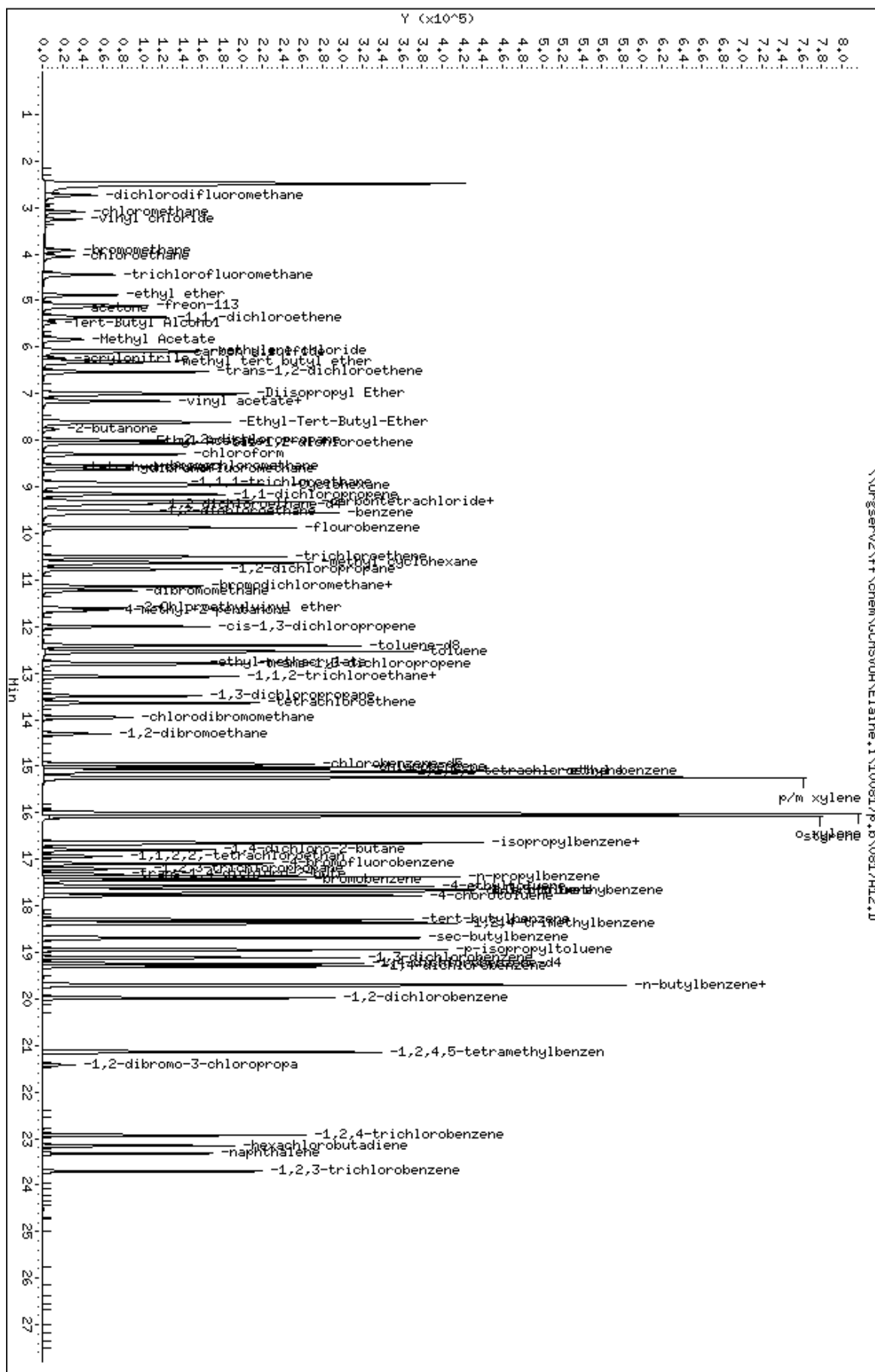
Sample Info: ICVP

Operator: PD

Purge Volume: 10.0

Column diameter: 0.18

Column phase:



Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\0817A12.D
Lab Smp Id:
Inj Date : 17-AUG-2010 19:53
Operator : PD Inst ID: Elaine.i
Smp Info : ICV
Misc Info : wg,ical
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
Meth Date : 18-Aug-2010 08:39 Elaine.i Quant Type: ISTD
Cal Date : 17-AUG-2010 17:01 Cal File: 0817A07.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS						AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====		=====	=====	=====
1 dichlorodifluoromethane	85	2.730	2.730	(0.276)	81923		100.000	108.776	
2 chloromethane	50	3.095	3.095	(0.313)	75848		100.000	86.422	
3 vinyl chloride	62	3.257	3.257	(0.330)	55485		100.000	110.504	
4 bromomethane	94	3.915	3.915	(0.396)	32519		100.000	147.094	
5 chloroethane	64	4.047	4.047	(0.410)	43163		100.000	103.075	
6 trichlorofluoromethane	101	4.442	4.442	(0.450)	95291		100.000	113.107	
7 ethyl ether	74	4.877	4.877	(0.494)	46212		100.000	108.161	
8 freon-113	101	5.110	5.110	(0.517)	83767		100.000	121.683	
9 acetone	43	5.151	5.151	(0.521)	18946		100.000	113.488	
10 1,1,-dichloroethene	96	5.363	5.363	(0.543)	72102		100.000	103.861	
11 Tert-Butyl Alcohol	59	5.475	5.475	(0.554)	28529		500.000	564.055	
12 Methyl Acetate	43	5.839	5.839	(0.591)	50464		100.000	107.672	
13 methylene chloride	84	6.072	6.072	(0.615)	81522		100.000	104.080	
14 carbon disulfide	76	6.102	6.102	(0.618)	179310		100.000	83.349	
15 acrylonitrile	53	6.244	6.244	(0.632)	24191		100.000	98.687	
16 methyl tert butyl ether	73	6.315	6.315	(0.639)	204928		100.000	103.015	
18 trans-1,2-dichloroethene	96	6.528	6.528	(0.661)	82738		100.000	106.252	
19 Diisopropyl Ether	45	7.004	7.004	(0.709)	299339		100.000	102.693	
21 vinyl acetate	43	7.145	7.145	(0.723)	25105		100.000	17.004	
22 1,1-dichloroethane	63	7.156	7.156	(0.724)	155612		100.000	105.414	
23 Ethyl-Tert-Butyl-Ether	59	7.611	7.611	(0.770)	274270		100.000	104.130	
24 2-butanone	43	7.763	7.763	(0.786)	26902		100.000	110.270	
25 2,2-dichloropropane	77	8.006	8.006	(0.810)	101902		100.000	89.736	
26 Ethyl Acetate	43	8.026	8.026	(0.812)	59776		100.000	96.952(A)	
27 cis-1,2-dichloroethene	96	8.067	8.067	(0.817)	94024		100.000	111.969	
28 chloroform	83	8.300	8.300	(0.840)	140328		100.000	106.114	
29 bromochloromethane	128	8.553	8.553	(0.866)	36954		100.000	105.893	
30 tetrahydrofuran	42	8.594	8.594	(0.870)	17725		100.000	103.640	

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113	8.624	8.624 (0.873)		64409	100.000	98.867	
33 1,1,1-trichloroethane	97	8.918	8.918 (0.903)		123922	100.000	104.958	
34 Cyclohexane	56	8.968	8.968 (0.908)		180031	100.000	115.555	
35 1,1-dichloropropene	75	9.161	9.161 (0.927)		115314	100.000	108.013	
36 carbontetrachloride	117	9.312	9.312 (0.943)		103995	100.000	105.258	
37 Tertiary-Amyl Methyl Ether	73	9.333	9.333 (0.945)		214289	100.000	108.102	
\$ 38 1,2-dichloroethane-d4	65	9.373	9.373 (0.949)		72460	100.000	99.197	
39 1,2-dichloroethane	62	9.515	9.515 (0.963)		106451	100.000	104.553	
40 benzene	78	9.556	9.556 (0.967)		339773	100.000	104.686	
* 41 flourobenzene	96	9.880	9.880 (1.000)		299021	100.000		
42 trichloroethene	95	10.507	10.507 (1.064)		100818	100.000	120.248	
43 methyl cyclohexane	83	10.629	10.629 (1.076)		158367	100.000	115.291	
44 1,2-dichloropropane	63	10.771	10.771 (1.090)		88656	100.000	104.416	
45 bromodichloromethane	83	11.135	11.135 (1.127)		103539	100.000	107.916	
46 1,4-Dioxane	88	11.145	11.145 (1.128)		59475	10000.0	12037.065(A)	
47 dibromomethane	93	11.226	11.226 (1.136)		41044	100.000	105.956	
48 2-Chloroethylvinyl ether	63	11.601	11.601 (1.174)		45163	100.000	105.938(A)	
49 4-methyl-2-pentanone	58	11.652	11.652 (1.179)		24983	100.000	110.573	
51 cis-1,3-dichloropropene	75	11.996	11.996 (1.214)		115329	100.000	92.810	
\$ 52 toluene-d8	98	12.411	12.411 (0.829)		281253	100.000	99.241	
53 toluene	92	12.543	12.543 (0.838)		212371	100.000	100.912	
54 ethyl-methacrylate	69	12.786	12.786 (0.855)		92389	100.000	106.659	
55 trans-1,3-dichloropropene	75	12.816	12.816 (0.857)		109335	100.000	104.374	
56 1,1,2-trichloroethane	83	13.079	13.079 (0.874)		51060	100.000	104.573	
57 2-hexanone	43	13.079	13.079 (0.874)		40375	100.000	108.935	
58 1,3-dichloropropane	76	13.495	13.495 (0.902)		113930	100.000	105.244	
59 tetrachloroethene	166	13.636	13.636 (0.911)		85900	100.000	106.848	
60 chlorodibromomethane	129	13.960	13.960 (0.933)		65614	100.000	100.320	
61 1,2-dibromoethane	107	14.305	14.305 (0.956)		61532	100.000	104.582	
* 62 chlorobenzene-d5	117	14.963	14.963 (1.000)		212970	100.000		
63 chlorobenzene	112	15.024	15.024 (1.004)		224321	100.000	99.524	
64 1,1,1,2-tetrachloroethane	131	15.095	15.095 (1.009)		77044	100.000	107.928	
65 ethyl benzene	91	15.115	15.115 (1.010)		411558	100.000	108.408	
66 p/m xylene	106	15.246	15.246 (1.019)		317983	200.000	215.657	
67 o xylene	106	16.016	16.016 (1.070)		317396	200.000	222.151	
68 styrene	104	16.077	16.077 (1.074)		540629	200.000	222.759(M)	M1
69 isopropylbenzene	105	16.654	16.654 (0.865)		382099	100.000	104.852	
70 bromoform	173	16.664	16.664 (0.866)		37560	100.000	103.830	
71 1,4-dichloro-2-butane	55	16.796	16.796 (0.873)		136096	100.000	107.934	
72 1,1,2,2,-tetrachloroethane	83	16.938	16.938 (0.880)		52707	100.000	84.063	
\$ 73 4-bromofluorobenzene	95	17.089	17.089 (0.888)		112269	100.000	98.627	
74 1,2,3-trichloropropane	75	17.201	17.201 (0.894)		57196	100.000	105.107	
75 trans-1,4-dichloro-2-butene	53	17.322	17.322 (0.900)		25409	100.000	97.477(M)	M1
76 n-propylbenzene	91	17.373	17.373 (0.903)		450448	100.000	105.087	
77 bromobenzene	156	17.444	17.444 (0.906)		95158	100.000	105.191	
78 4-ethyltoluene	105	17.576	17.576 (0.913)		354847	100.000	99.115(A)	
79 1,3,5-trimethybenzene	105	17.657	17.657 (0.917)		318982	100.000	105.189	
80 2-chlorotoluene	91	17.687	17.687 (0.919)		314682	100.000	105.034	
81 4-chorotoluene	91	17.778	17.778 (0.924)		297821	100.000	104.352	
82 tert-butylbenzene	119	18.305	18.305 (0.951)		267806	100.000	103.786	
83 1,2,4-trimethylbenzene	105	18.375	18.375 (0.955)		322561	100.000	107.482	
84 sec-butylbenzene	105	18.700	18.700 (0.972)		397718	100.000	107.213	
85 p-isopropyltoluene	119	18.943	18.943 (0.984)		329620	100.000	110.769	
86 1,3-dichlorobenzene	146	19.115	19.115 (0.993)		169239	100.000	105.292	

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 87 1,4-dichlorobenzene-d4	152	19.246	19.246	(1.000)	111308	100.000			
88 1,4-dichlorobenzene	146	19.307	19.307	(1.003)	170719	100.000	104.846		
89 n-butylbenzene	91	19.702	19.702	(1.024)	335560	100.000	111.644		
90 p-Diethylbenzene	119	19.722	19.722	(1.025)	182498	100.000	109.032(A)		
91 1,2-dichlorobenzene	146	19.986	19.986	(1.038)	153872	100.000	103.630		
92 1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	249549	100.000	110.271(A)		
93 1,2-dibromo-3-chloropropane	75	21.423	21.423	(1.113)	10669	100.000	97.389		
94 1,2,4-trichlorobenzene	180	22.932	22.932	(1.192)	99378	100.000	111.417		
95 hexachlorobutadiene	225	23.165	23.165	(1.204)	51830	100.000	104.355		
96 naphthalene	128	23.327	23.327	(1.212)	159028	100.000	109.191		
97 1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	80321	100.000	109.493		

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i
 Lab File ID: 0817A12.D
 Lab Smp Id:
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: PD
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100817.b\liq8260B.m
 Misc Info: wg, ical

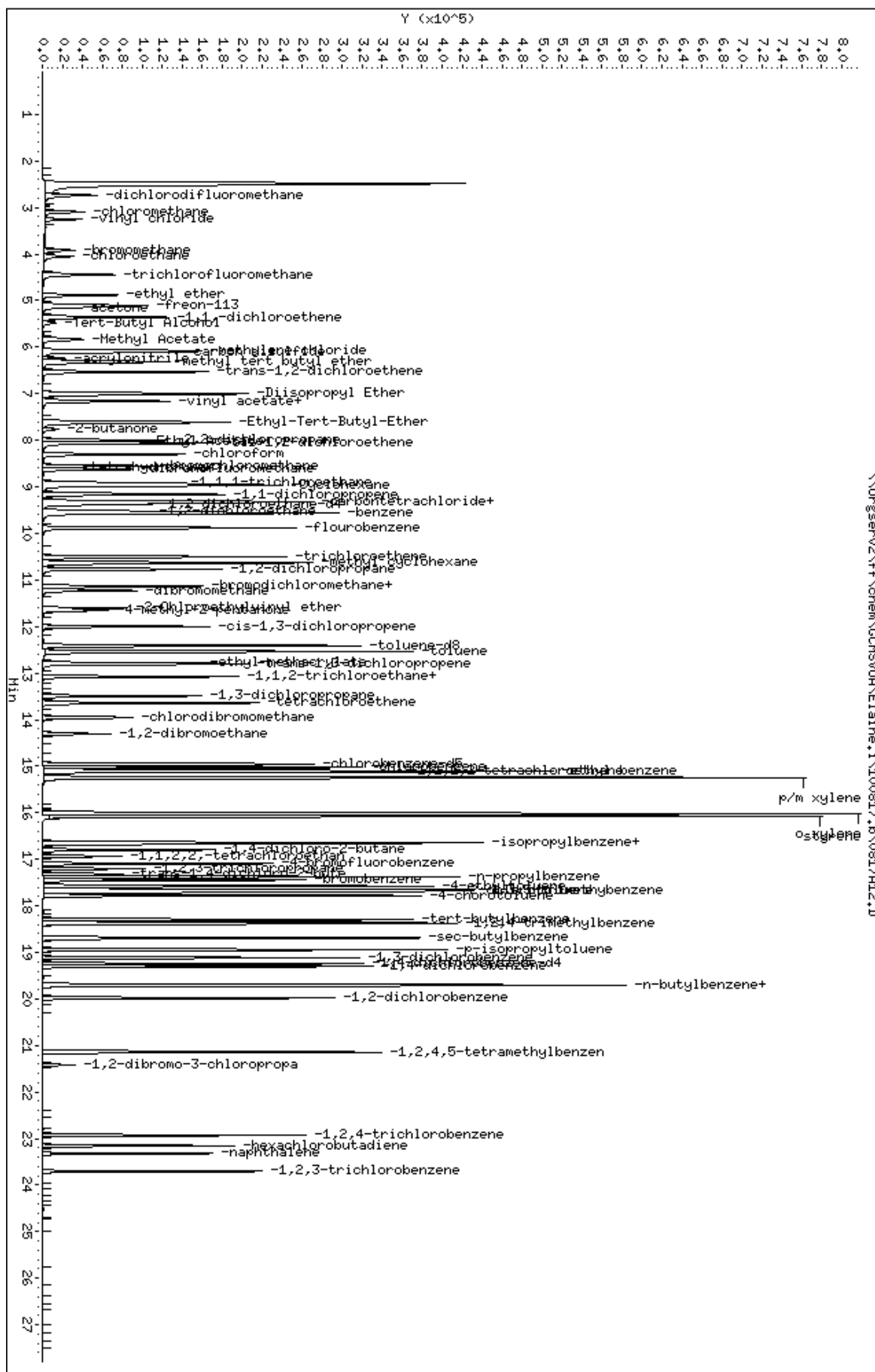
Calibration Date: 17-AUG-2010
 Calibration Time: 14:43

Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	304725	152363	609450	299021	-1.87
62 chlorobenzene-d5	214936	107468	429872	212970	-0.91
87 1,4-dichlorobenze	111468	55734	222936	111308	-0.14

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	-0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	-0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Continuing Calibration

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: Elaine.i Calibration Date: 25-AUG-2010 Time: 08:55

Lab File ID: 0825A02.D Init. Calib. Date(s): 17-AUG-2 17-AUG-2

Sample No: 8260 CCAL Init. Calib. Times : 13:34 17:01

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.25187	.13511	.01	46	25	F
chloromethane	.2935	.14069	.1	52	25	F
vinyl chloride	.16792	.15084	.01	10	20	
bromomethane	100	57.001	.01	43	25	F
chloroethane	.14004	.14305	.01	-2	25	
trichlorofluoromethane	.28175	.34746	.01	-23	25	
ethyl ether	.14288	.14004	.01	2	25	
freon-113	.23022	.26885	.01	-17	25	
acetone	.05583	.05954	.01	-7	40	
1,1,-dichloroethene	.23216	.2288	.01	1	20	
Tert-Butyl Alcohol	.01691	.01395	.001	18	25	
Methyl Acetate	.15674	.19138	.01	-22	25	
methylene chloride	.26194	.27848	.01	-6	25	
carbon disulfide	.71945	.55536	.01	23	25	
acrylonitrile	.08198	.0808	.01	1	25	
methyl tert butyl ether	.66527	.61451	.01	8	25	
trans-1,2-dichloroethene	.26041	.26856	.01	-3	25	
Diisopropyl Ether	.9748	1.0258	.01	-5	25	
vinyl acetate	100	132	.01	-32	40	
1,1-dichloroethane	.49367	.54463	.01	-10	25	
Ethyl-Tert-Butyl-Ether	.88084	.85275	.01	3	25	
2-butanone	.08159	.09378	.01	-15	40	
2,2-dichloropropane	.37976	.38064	.01	0	25	
Ethyl Acetate	.20619	.22104	.01	-7	25	
cis-1,2-dichloroethene	.28083	.31141	.01	-11	25	
chloroform	.44225	.49765	.01	-13	20	
bromochloromethane	.1167	.12304	.01	-5	25	
tetrahydrofuran	.05719	.05967	.01	-4	40	
1,1,1-trichloroethane	.39485	.41052	.01	-4	25	
Cyclohexane	.52102	.59752	.01	-15	25	
1,1-dichloropropene	.35703	.39635	.01	-11	25	
carbontetrachloride	.33041	.32933	.01	0	25	
Tertiary-Amyl Methyl Ether	.66292	.62369	.01	6	25	
1,2-dichloroethane	.34049	.39886	.01	-17	25	
benzene	1.0854	1.1536	.01	-6	25	
trichloroethene	.28039	.28782	.01	-3	25	
methyl cyclohexane	.45937	.51531	.01	-12	25	
1,2-dichloropropane	.28395	.31308	.01	-10	20	

FORM VII NYTCL-8260

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: Elaine.i Calibration Date: 25-AUG-2010 Time: 08:55

Lab File ID: 0825A02.D Init. Calib. Date(s): 17-AUG-2 17-AUG-2

Sample No: 8260 CCAL Init. Calib. Times : 13:34 17:01

Compound	RRF	RRF	MIN RRF	%D	MAX %D
bromodichloromethane	.32086	.35533	.01	-11	25
1,4-Dioxane	.00165	.00188	0	-14	25
dibromomethane	.12954	.1446	.01	-12	25
2-Chloroethylvinyl ether	.14257	.147	.01	-3	25
4-methyl-2-pentanone	.07556	.07793	.01	-3	40
cis-1,3-dichloropropene	.41557	.38815	.01	7	25
toluene	.98817	1.0273	.01	-4	20
ethyl-methacrylate	.40672	.39925	.01	2	25
trans-1,3-dichloropropene	.49187	.53245	.01	-8	25
1,1,2-trichloroethane	.22927	.25514	.01	-11	25
2-hexanone	.17403	.20027	.01	-15	40
1,3-dichloropropane	.5083	.5742	.01	-13	25
tetrachloroethene	.37749	.39726	.01	-5	25
chlorodibromomethane	.30711	.3029	.01	1	25
1,2-dibromoethane	.27626	.29591	.01	-7	25
chlorobenzene	1.0583	1.1008	.3	-4	25
1,1,1,2-tetrachloroethane	.33519	.36616	.01	-9	25
ethyl benzene	1.7825	2.0506	.01	-15	20
p/m xylene	.69234	.77236	.01	-12	25
o xylene	.67086	.73264	.01	-9	25
styrene	1.1395	1.2546	.01	-10	25
isopropylbenzene	3.2739	3.7071	.01	-13	25
bromoform	.32499	.31937	.1	2	25
1,4-dichloro-2-butane	1.1328	1.2132	.01	-7	25
1,1,2,2,-tetrachloroethane	.56329	.69933	.3	-24	25
1,2,3-trichloropropane	.48888	.58172	.01	-19	25
trans-1,4-dichloro-2-butene	.23418	.22523	.01	4	25
n-propylbenzene	3.8509	4.3152	.01	-12	25
bromobenzene	.81272	.92527	.01	-14	25
4-ethyltoluene	3.2164	3.0538	.01	5	25
1,3,5-trimethylbenzene	2.7243	2.9731	.01	-9	25
2-chlorotoluene	2.6916	3.1213	.01	-16	25
4-chlorotoluene	2.5640	2.9466	.01	-15	25
tert-butylbenzene	2.3182	2.4602	.01	-6	25
1,2,4-trimethylbenzene	2.6961	2.8938	.01	-7	25
sec-butylbenzene	3.3327	3.5848	.01	-8	25
p-isopropyltoluene	2.6734	2.8736	.01	-7	25
1,3-dichlorobenzene	1.4440	1.6143	.01	-12	25

FORM VII NYTCL-8260

7A

SDG No.: L1013017

Lab File ID: 0825A02.D Init. Calib. Date(s): 17-AUG-2 17-AUG-2

Sample No: 8260 CCAL Init. Calib. Times : 13:34 17:01

F

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Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Elaine.i Injection Date: 25-AUG-2010 08:55
Lab File ID: 0825A02.D Init. Cal. Date(s): 17-AUG-2010 17-AUG-2010
Analysis Type: WATER Init. Cal. Times: 13:34 17:01
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 dichlorodifluoromethane	0.25187	0.13511	0.13511	0.010	46.35733	25.00000	Averaged <-
2 chloromethane	0.29350	0.14069	0.14069	0.100	52.06525	25.00000	Averaged <-
3 vinyl chloride	0.16792	0.15084	0.15084	0.010	10.16789	20.00000	Averaged
4 bromomethane	100	57.00156	0.02863	0.010	42.99844	25.00000	Linear <-
5 chloroethane	0.14004	0.14305	0.14305	0.010	-2.14635	25.00000	Averaged
6 trichlorofluoromethane	0.28175	0.34746	0.34746	0.010	-23.32372	25.00000	Averaged
7 ethyl ether	0.14288	0.14004	0.14004	0.010	1.98631	25.00000	Averaged
8 freon-113	0.23022	0.26885	0.26885	0.010	-16.78153	25.00000	Averaged
9 acetone	0.05583	0.05954	0.05954	0.010	-6.65387	40.00000	Averaged
10 1,1,-dichloroethene	0.23216	0.22880	0.22880	0.010	1.44844	20.00000	Averaged
11 Tert-Butyl Alcohol	0.01691	0.01395	0.01395	0.001	17.51254	25.00000	Averaged
12 Methyl Acetate	0.15674	0.19138	0.19138	0.010	-22.10146	25.00000	Averaged
13 methylene chloride	0.26194	0.27848	0.27848	0.010	-6.31410	25.00000	Averaged
14 carbon disulfide	0.71945	0.55536	0.55536	0.010	22.80801	25.00000	Averaged
15 acrylonitrile	0.08198	0.08080	0.08080	0.010	1.43140	25.00000	Averaged
16 methyl tert butyl ether	0.66527	0.61451	0.61451	0.010	7.62977	25.00000	Averaged
18 trans-1,2-dichloroethene	0.26041	0.26856	0.26856	0.010	-3.12739	25.00000	Averaged
19 Diisopropyl Ether	0.97480	1.02588	1.02588	0.010	-5.23982	25.00000	Averaged
21 vinyl acetate	100	132	0.39258	0.010	-32.93179	40.00000	Quadratic
22 1,1-dichloroethane	0.49367	0.54463	0.54463	0.010	-10.32146	25.00000	Averaged
23 Ethyl-Tert-Butyl-Ether	0.88084	0.85275	0.85275	0.010	3.18946	25.00000	Averaged
24 2-butanone	0.08159	0.09378	0.09378	0.010	-14.94904	40.00000	Averaged
25 2,2-dichloropropane	0.37976	0.38064	0.38064	0.010	-0.23095	25.00000	Averaged
26 Ethyl Acetate	0.20619	0.22104	0.22104	0.010	-7.20165	25.00000	Averaged
27 cis-1,2-dichloroethene	0.28083	0.31141	0.31141	0.010	-10.89213	25.00000	Averaged
28 chloroform	0.44225	0.49765	0.49765	0.010	-12.52713	20.00000	Averaged
29 bromochloromethane	0.11670	0.12304	0.12304	0.010	-5.43020	25.00000	Averaged
30 tetrahydrofuran	0.05719	0.05967	0.05967	0.010	-4.32726	40.00000	Averaged
\$ 31 dibromofluoromethane	0.21787	0.22243	0.22243	0.010	-2.09637	30.00000	Averaged
33 1,1,1-trichloroethane	0.39485	0.41052	0.41052	0.010	-3.96896	25.00000	Averaged
34 Cyclohexane	0.52102	0.59752	0.59752	0.010	-14.68316	25.00000	Averaged
35 1,1-dichloropropene	0.35703	0.39635	0.39635	0.010	-11.01420	25.00000	Averaged
36 carbontetrachloride	0.33041	0.32933	0.32933	0.010	0.32776	25.00000	Averaged
37 Tertiary-Amyl Methyl Ether	0.66292	0.62369	0.62369	0.010	5.91852	25.00000	Averaged
\$ 38 1,2-dichloroethane-d4	0.24428	0.26398	0.26398	0.010	-8.06360	30.00000	Averaged
39 1,2-dichloroethane	0.34049	0.39886	0.39886	0.010	-17.14087	25.00000	Averaged
40 benzene	1.08542	1.15364	1.15364	0.010	-6.28498	25.00000	Averaged
42 trichloroethene	0.28039	0.28782	0.28782	0.010	-2.65206	25.00000	Averaged
43 methyl cyclohexane	0.45937	0.51531	0.51531	0.010	-12.17807	25.00000	Averaged
44 1,2-dichloropropane	0.28395	0.31308	0.31308	0.010	-10.26114	20.00000	Averaged
45 bromodichloromethane	0.32086	0.35533	0.35533	0.010	-10.74199	25.00000	Averaged
46 1,4-Dioxane	0.00165	0.00188	0.00188	0.000	-14.00171	25.00000	Averaged
47 dibromomethane	0.12954	0.14460	0.14460	0.010	-11.62445	25.00000	Averaged
48 2-Chloroethylvinyl ether	0.14257	0.14700	0.14700	0.010	-3.10998	25.00000	Averaged

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Elaine.i Injection Date: 25-AUG-2010 08:55
Lab File ID: 0825A02.D Init. Cal. Date(s): 17-AUG-2010 17-AUG-2010
Analysis Type: WATER Init. Cal. Times: 13:34 17:01
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
49 4-methyl-2-pentanone	0.07556	0.07793	0.07793	0.010	-3.13215	40.00000	Averaged
51 cis-1,3-dichloropropene	0.41557	0.38815	0.38815	0.010	6.59662	25.00000	Averaged
52 toluene-d8	1.33072	1.35152	1.35152	0.010	-1.56314	30.00000	Averaged
53 toluene	0.98817	1.02730	1.02730	0.010	-3.95946	20.00000	Averaged
54 ethyl-methacrylate	0.40672	0.39925	0.39925	0.010	1.83874	25.00000	Averaged
55 trans-1,3-dichloropropene	0.49187	0.53245	0.53245	0.010	-8.25118	25.00000	Averaged
56 1,1,2-trichloroethane	0.22927	0.25514	0.25514	0.010	-11.28514	25.00000	Averaged
57 2-hexanone	0.17403	0.20027	0.20027	0.010	-15.07874	40.00000	Averaged
58 1,3-dichloropropane	0.50830	0.57420	0.57420	0.010	-12.96476	25.00000	Averaged
59 tetrachloroethene	0.37749	0.39726	0.39726	0.010	-5.23627	25.00000	Averaged
60 chlorodibromomethane	0.30711	0.30290	0.30290	0.010	1.36884	25.00000	Averaged
61 1,2-dibromoethane	0.27626	0.29591	0.29591	0.010	-7.11275	25.00000	Averaged
63 chlorobenzene	1.05833	1.10088	1.10088	0.300	-4.02047	25.00000	Averaged
64 1,1,1,2-tetrachloroethane	0.33519	0.36616	0.36616	0.010	-9.23962	25.00000	Averaged
65 ethyl benzene	1.78258	2.05066	2.05066	0.010	-15.03872	20.00000	Averaged
66 p/m xylene	0.69234	0.77236	0.77236	0.010	-11.55803	25.00000	Averaged
67 o xylene	0.67086	0.73264	0.73264	0.010	-9.20926	25.00000	Averaged
68 styrene	1.13958	1.25461	1.25461	0.010	-10.09414	25.00000	Averaged
69 isopropylbenzene	3.27395	3.70713	3.70713	0.010	-13.23128	25.00000	Averaged
70 bromoform	0.32499	0.31937	0.31937	0.100	1.73047	25.00000	Averaged
71 1,4-dichloro-2-butane	1.13281	1.21327	1.21327	0.010	-7.10243	25.00000	Averaged
72 1,1,2,2-tetrachloroethane	0.56329	0.69933	0.69933	0.300	-24.15015	25.00000	Averaged
73 4-bromofluorobenzene	1.02267	1.05049	1.05049	0.010	-2.72122	30.00000	Averaged
74 1,2,3-trichloropropane	0.48888	0.58172	0.58172	0.010	-18.98969	25.00000	Averaged
75 trans-1,4-dichloro-2-butene	0.23418	0.22523	0.22523	0.010	3.82097	25.00000	Averaged
76 n-propylbenzene	3.85095	4.31525	4.31525	0.010	-12.05663	25.00000	Averaged
77 bromobenzene	0.81272	0.92527	0.92527	0.010	-13.84850	25.00000	Averaged
78 4-ethyltoluene	3.21643	3.05384	3.05384	0.010	5.05500	25.00000	Averaged
79 1,3,5-trimethylbenzene	2.72439	2.97313	2.97313	0.010	-9.13033	25.00000	Averaged
80 2-chlorotoluene	2.69163	3.12136	3.12136	0.010	-15.96554	25.00000	Averaged
81 4-chlorotoluene	2.56404	2.94660	2.94660	0.010	-14.92024	25.00000	Averaged
82 tert-butylbenzene	2.31821	2.46021	2.46021	0.010	-6.12548	25.00000	Averaged
83 1,2,4-trimethylbenzene	2.69616	2.89387	2.89387	0.010	-7.33310	25.00000	Averaged
84 sec-butylbenzene	3.33273	3.58488	3.58488	0.010	-7.56581	25.00000	Averaged
85 p-isopropyltoluene	2.67342	2.87361	2.87361	0.010	-7.48803	25.00000	Averaged
86 1,3-dichlorobenzene	1.44403	1.61439	1.61439	0.010	-11.79824	25.00000	Averaged
88 1,4-dichlorobenzene	1.46285	1.66771	1.66771	0.010	-14.00348	25.00000	Averaged
89 n-butylbenzene	2.70027	2.83000	2.83000	0.010	-4.80462	25.00000	Averaged
90 p-Diethylbenzene	1.50375	1.40765	1.40765	0.010	6.39096	25.00000	Averaged
91 1,2-dichlorobenzene	1.33397	1.50661	1.50661	0.010	-12.94184	25.00000	Averaged
92 1,2,4,5-tetramethylbenzene	2.03313	2.35477	2.35477	0.010	-15.81956	25.00000	Averaged
93 1,2-dibromo-3-chloropropane	0.09842	0.10318	0.10318	0.010	-4.83837	25.00000	Averaged
94 1,2,4-trichlorobenzene	0.80133	0.88677	0.88677	0.010	-10.66218	25.00000	Averaged
95 hexachlorobutadiene	0.44621	0.45339	0.45339	0.010	-1.60913	25.00000	Averaged

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Elaine.i Injection Date: 25-AUG-2010 08:55
 Lab File ID: 0825A02.D Init. Cal. Date(s): 17-AUG-2010 17-AUG-2010
 Analysis Type: WATER Init. Cal. Times: 13:34 17:01
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
96 naphthalene	1.30846	1.60642	1.60642	0.010	-22.77223	25.00000	Averaged
97 1,2,3-trichlorobenzene	0.65904	0.73661	0.73661	0.010	-11.76979	25.00000	Averaged
170 1,3-butadiene	++++	++++	0.00000	0.001	++++	25.00000	Averaged<-

Alpha Analytical Labs

gc/ms voa - Elaine
Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825p.b\0825A02.D
Lab Smp Id:
Inj Date : 25-AUG-2010 08:55
Operator : PD Inst ID: Elaine.i
Smp Info : wg429522-1P,31,10
Misc Info : wg429522,ical5258
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825p.b\liq8260B.m
Meth Date : 26-Aug-2010 09:41 Elaine.i Quant Type: ISTD
Cal Date : 25-AUG-2010 09:30 Cal File: 0825A03.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: curve.sub
Target Version: 4.12
Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85	2.731	2.731 (0.276)		33493	100.000	53.642	
2 chloromethane	50	3.085	3.085 (0.312)		34087	100.000	46.848	
3 vinyl chloride	62	3.257	3.257 (0.330)		37394	100.000	89.832	
4 bromomethane	94	3.915	3.915 (0.396)		7097	100.000	57.001	
5 chloroethane	64	4.047	4.047 (0.410)		35461	100.000	102.146	
6 trichlorofluoromethane	101	4.432	4.432 (0.449)		86135	100.000	123.323	
7 ethyl ether	74	4.877	4.877 (0.494)		34717	100.000	98.013	
8 freon-113	101	5.110	5.110 (0.517)		66648	100.000	116.781	
9 acetone	43	5.151	5.151 (0.521)		14761	100.000	106.653	
10 1,1,-dichloroethene	96	5.364	5.364 (0.543)		56249	100.000	97.734	
11 Tert-Butyl Alcohol	59	5.475	5.475 (0.554)		17294	500.000	412.437	
12 Methyl Acetate	43	5.839	5.839 (0.591)		47443	100.000	122.101	
13 methylene chloride	84	6.072	6.072 (0.615)		69035	100.000	106.314	
14 carbon disulfide	76	6.103	6.103 (0.618)		135544	100.000	75.998	
15 acrylonitrile	53	6.245	6.245 (0.632)		17820	100.000	87.688	
16 methyl tert butyl ether	73	6.315	6.315 (0.639)		152337	100.000	92.370	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		66575	100.000	103.127	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		254315	100.000	105.239	
21 vinyl acetate	43	7.146	7.146 (0.723)		97320	100.000	132.031	
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		135013	100.000	110.321	
23 Ethyl-Tert-Butyl-Ether	59	7.612	7.612 (0.770)		211395	100.000	96.810	
24 2-butanone	43	7.763	7.763 (0.786)		23249	100.000	114.949	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		94360	100.000	100.230	
26 Ethyl Acetate	43	8.027	8.027 (0.812)		54795	100.000	107.201	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		77199	100.000	110.892	
28 chloroform	83	8.300	8.300 (0.840)		123367	100.000	112.527	
29 bromochloromethane	128	8.553	8.553 (0.866)		30502	100.000	105.430	
30 tetrahydrofuran	42	8.594	8.594 (0.870)		14792	100.000	104.327	

						AMOUNTS		
QUANT SIG						CAL -AMT	ON -COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ngs)	(ngs)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113	8.624	8.624	(0.873)	55141	100.000	102.096	
33 1,1,1-trichloroethane	97	8.918	8.918	(0.903)	101767	100.000	103.968	
34 Cyclohexane	56	8.968	8.968	(0.908)	148125	100.000	114.683	
35 1,1-dichloropropene	75	9.161	9.161	(0.927)	98255	100.000	111.014	
36 carbontetrachloride	117	9.313	9.313	(0.943)	81640	100.000	99.672	
37 Tertiary-Amyl Methyl Ether	73	9.333	9.333	(0.945)	154612	100.000	94.081	
\$ 38 1,2-dichloroethane-d4	65	9.374	9.374	(0.949)	65441	100.000	108.063	
39 1,2-dichloroethane	62	9.515	9.515	(0.963)	98876	100.000	117.140	
40 benzene	78	9.566	9.566	(0.968)	285986	100.000	106.284	
* 41 flourobenzene	96	9.880	9.880	(1.000)	247899	100.000		
42 trichloroethene	95	10.508	10.508	(1.064)	71351	100.000	102.652	
43 methyl cyclohexane	83	10.629	10.629	(1.076)	127746	100.000	112.178	
44 1,2-dichloropropane	63	10.771	10.771	(1.090)	77613	100.000	110.261	
45 bromodichloromethane	83	11.135	11.135	(1.127)	88085	100.000	110.741	
46 1,4-Dioxane	88	11.146	11.146	(1.128)	46361	10000.0	11317.901	
47 dibromomethane	93	11.227	11.227	(1.136)	35847	100.000	111.624	
48 2-Chloroethylvinyl ether	63	11.601	11.601	(1.174)	36442	100.000	103.109	
49 4-methyl-2-pentanone	58	11.652	11.652	(1.179)	19318	100.000	103.132	
51 cis-1,3-dichloropropene	75	11.996	11.996	(1.214)	96223	100.000	93.403	
\$ 52 toluene-d8	98	12.411	12.411	(0.829)	233050	100.000	101.563	
53 toluene	92	12.543	12.543	(0.838)	177142	100.000	103.959	
54 ethyl-methacrylate	69	12.786	12.786	(0.855)	68844	100.000	98.161	
55 trans-1,3-dichloropropene	75	12.816	12.816	(0.857)	91813	100.000	108.251	
56 1,1,2-trichloroethane	83	13.080	13.080	(0.874)	43995	100.000	111.285	
57 2-hexanone	43	13.080	13.080	(0.874)	34534	100.000	115.078	
58 1,3-dichloropropane	76	13.495	13.495	(0.902)	99012	100.000	112.964	
59 tetrachloroethene	166	13.647	13.647	(0.912)	68501	100.000	105.236	
60 chlorodibromomethane	129	13.961	13.961	(0.933)	52231	100.000	98.631	
61 1,2-dibromoethane	107	14.305	14.305	(0.956)	51026	100.000	107.112	
* 62 chlorobenzene-d5	117	14.963	14.963	(1.000)	172435	100.000		
63 chlorobenzene	112	15.024	15.024	(1.004)	189831	100.000	104.020	
64 1,1,1,2-tetrachloroethane	131	15.095	15.095	(1.009)	63138	100.000	109.239	
65 ethyl benzene	91	15.115	15.115	(1.010)	353605	100.000	115.038	
66 p/m xylene	106	15.257	15.257	(1.020)	266365	200.000	223.116	
67 o xylene	106	16.016	16.016	(1.070)	252667	200.000	218.418	
68 styrene	104	16.077	16.077	(1.074)	425614	200.000	216.593	
69 isopropylbenzene	105	16.654	16.654	(0.865)	321197	100.000	113.231	
70 bromoform	173	16.664	16.664	(0.866)	27671	100.000	98.269	
71 1,4-dichloro-2-butane	55	16.796	16.796	(0.873)	105121	100.000	107.102	
72 1,1,2,2,-tetrachloroethane	83	16.938	16.938	(0.880)	60592	100.000	124.150	
\$ 73 4-bromofluorobenzene	95	17.090	17.090	(0.888)	91018	100.000	102.721	
74 1,2,3-trichloropropane	75	17.201	17.201	(0.894)	50402	100.000	118.989	
75 trans-1,4-dichloro-2-butene	53	17.323	17.323	(0.900)	17629	100.000	86.883	
76 n-propylbenzene	91	17.373	17.373	(0.903)	373886	100.000	112.056	
77 bromobenzene	156	17.444	17.444	(0.906)	80168	100.000	113.848	
78 4-ethyltoluene	105	17.576	17.576	(0.913)	264594	100.000	94.945	
79 1,3,5-trimethybenzene	105	17.657	17.657	(0.917)	257601	100.000	109.130	
80 2-chlorotoluene	91	17.697	17.697	(0.920)	270444	100.000	115.965	
81 4-chorotoluene	91	17.778	17.778	(0.924)	255302	100.000	114.920	
82 tert-butylbenzene	119	18.305	18.305	(0.951)	213160	100.000	106.125	
83 1,2,4-trimethylbenzene	105	18.376	18.376	(0.955)	250734	100.000	107.333	
84 sec-butylbenzene	105	18.700	18.700	(0.972)	310605	100.000	107.565	
85 p-isopropyltoluene	119	18.943	18.943	(0.984)	248978	100.000	107.488	
86 1,3-dichlorobenzene	146	19.115	19.115	(0.993)	139876	100.000	111.798	

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 87 1,4-dichlorobenzene-d4	152	19.247	19.247	(1.000)	86643	100.000		
88 1,4-dichlorobenzene	146	19.307	19.307	(1.003)	144495	100.000	114.003	
89 n-butylbenzene	91	19.702	19.702	(1.024)	245200	100.000	104.804	
90 p-Diethylbenzene	119	19.723	19.723	(1.025)	121963	100.000	93.609	
91 1,2-dichlorobenzene	146	19.986	19.986	(1.038)	130537	100.000	112.941	
92 1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	204024	100.000	115.819	
93 1,2-dibromo-3-chloropropane	75	21.424	21.424	(1.113)	8940	100.000	104.838	
94 1,2,4-trichlorobenzene	180	22.933	22.933	(1.192)	76832	100.000	110.662	
95 hexachlorobutadiene	225	23.165	23.165	(1.204)	39283	100.000	101.609	
96 naphthalene	128	23.327	23.327	(1.212)	139185	100.000	122.772	
97 1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	63822	100.000	111.769	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i

Lab File ID: 0825A02.D

Lab Smp Id:

Analysis Type: VOA

Quant Type: ISTD

Operator: PD

Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825p.b\liq8260B.m

Misc Info: wg429522,ical5258

Calibration Date: 25-AUG-2010

Calibration Time: 08:55

Level: LOW

Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	247899	123950	495798	247899	0.00
62 chlorobenzene-d5	172435	86218	344870	172435	0.00
87 1,4-dichlorobenze	86643	43322	173286	86643	0.00

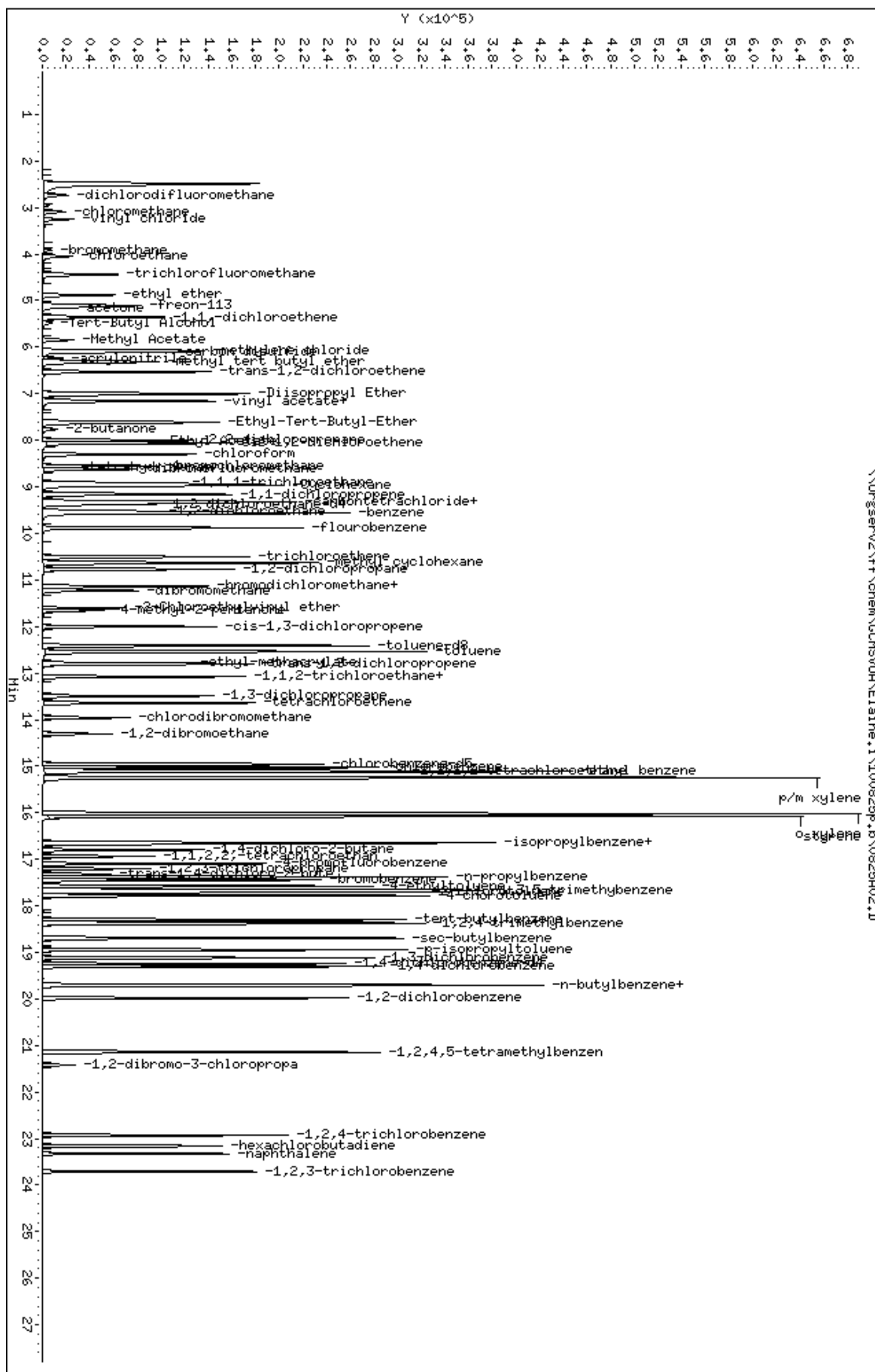
COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

gc/ms voa - Elaine

Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\0825A02.D

Lab Smp Id:

Inj Date : 25-AUG-2010 08:55

Operator : PD

Inst ID: Elaine.i

Smp Info : 8260 CCAL

Misc Info : wg,ical5258

Comment :

Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m

Meth Date : 25-Aug-2010 09:34 Elaine.i Quant Type: ISTD

Cal Date : 17-AUG-2010 17:01

Cal File: 0817A07.D

Als bottle: 1

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: curve.sub

Target Version: 4.12

Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85	2.731	2.731 (0.276)		33493	100.000	53.642	
2 chloromethane	50	3.085	3.085 (0.312)		34877	100.000	47.934(M)	M1
3 vinyl chloride	62	3.257	3.257 (0.330)		37394	100.000	89.832	
4 bromomethane	94	3.915	3.915 (0.396)		7097	100.000	57.001	
5 chloroethane	64	4.047	4.047 (0.410)		35461	100.000	102.146	
6 trichlorofluoromethane	101	4.432	4.432 (0.449)		86135	100.000	123.323	
7 ethyl ether	74	4.877	4.877 (0.494)		34717	100.000	98.013	
8 freon-113	101	5.110	5.110 (0.517)		66648	100.000	116.781	
9 acetone	43	5.151	5.151 (0.521)		14761	100.000	106.653	
10 1,1,-dichloroethene	96	5.364	5.364 (0.543)		56719	100.000	98.551(M)	M1
11 Tert-Butyl Alcohol	59	5.475	5.475 (0.554)		17294	500.000	412.437	
12 Methyl Acetate	43	5.839	5.839 (0.591)		47443	100.000	122.101	
13 methylene chloride	84	6.072	6.072 (0.615)		69035	100.000	106.314	
14 carbon disulfide	76	6.103	6.103 (0.618)		137672	100.000	77.191(M)	M1
15 acrylonitrile	53	6.245	6.245 (0.632)		20031	100.000	98.568(M)	M1
16 methyl tert butyl ether	73	6.315	6.315 (0.639)		152337	100.000	92.370	
18 trans-1,2-dichloroethene	96	6.528	6.528 (0.661)		66575	100.000	103.127	
19 Diisopropyl Ether	45	7.004	7.004 (0.709)		254315	100.000	105.239	
21 vinyl acetate	43	7.146	7.146 (0.723)		97320	100.000	132.031	
22 1,1-dichloroethane	63	7.156	7.156 (0.724)		135013	100.000	110.321	
23 Ethyl-Tert-Butyl-Ether	59	7.612	7.612 (0.770)		211395	100.000	96.810	
24 2-butanone	43	7.763	7.763 (0.786)		23249	100.000	114.949	
25 2,2-dichloropropane	77	8.006	8.006 (0.810)		94360	100.000	100.230	
26 Ethyl Acetate	43	8.027	8.027 (0.812)		54795	100.000	107.201	
27 cis-1,2-dichloroethene	96	8.067	8.067 (0.817)		77199	100.000	110.892	
28 chloroform	83	8.300	8.300 (0.840)		123367	100.000	112.527	
29 bromochloromethane	128	8.553	8.553 (0.866)		30502	100.000	105.430	
30 tetrahydrofuran	42	8.594	8.594 (0.870)		14792	100.000	104.327	

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 31 dibromofluoromethane	113	8.624	8.624 (0.873)		55141	100.000	102.096	
33 1,1,1-trichloroethane	97	8.918	8.918 (0.903)		101767	100.000	103.968	
34 Cyclohexane	56	8.968	8.968 (0.908)		148125	100.000	114.683	
35 1,1-dichloropropene	75	9.161	9.161 (0.927)		98255	100.000	111.014	
36 carbontetrachloride	117	9.313	9.313 (0.943)		81640	100.000	99.672	
37 Tertiary-Amyl Methyl Ether	73	9.333	9.333 (0.945)		154612	100.000	94.081	
\$ 38 1,2-dichloroethane-d4	65	9.374	9.374 (0.949)		65441	100.000	108.063	
39 1,2-dichloroethane	62	9.515	9.515 (0.963)		98876	100.000	117.140	
40 benzene	78	9.566	9.566 (0.968)		285986	100.000	106.284	
* 41 flourobenzene	96	9.880	9.880 (1.000)		247899	100.000		
42 trichloroethene	95	10.508	10.508 (1.064)		71351	100.000	102.652	
43 methyl cyclohexane	83	10.629	10.629 (1.076)		127746	100.000	112.178	
44 1,2-dichloropropane	63	10.771	10.771 (1.090)		77613	100.000	110.261	
45 bromodichloromethane	83	11.135	11.135 (1.127)		88085	100.000	110.741	
46 1,4-Dioxane	88	11.146	11.146 (1.128)		46698	10000.0	11400.171(M)	M1
47 dibromomethane	93	11.227	11.227 (1.136)		35847	100.000	111.624	
48 2-Chloroethylvinyl ether	63	11.601	11.601 (1.174)		36442	100.000	103.109	
49 4-methyl-2-pentanone	58	11.652	11.652 (1.179)		19318	100.000	103.132	
51 cis-1,3-dichloropropene	75	11.996	11.996 (1.214)		96223	100.000	93.403	
\$ 52 toluene-d8	98	12.411	12.411 (0.829)		233050	100.000	101.563	
53 toluene	92	12.543	12.543 (0.838)		177142	100.000	103.959	
54 ethyl-methacrylate	69	12.786	12.786 (0.855)		68844	100.000	98.161	
55 trans-1,3-dichloropropene	75	12.816	12.816 (0.857)		91813	100.000	108.251	
56 1,1,2-trichloroethane	83	13.080	13.080 (0.874)		43995	100.000	111.285	
57 2-hexanone	43	13.080	13.080 (0.874)		34534	100.000	115.078	
58 1,3-dichloropropane	76	13.495	13.495 (0.902)		99012	100.000	112.964	
59 tetrachloroethene	166	13.647	13.647 (0.912)		68501	100.000	105.236	
60 chlorodibromomethane	129	13.961	13.961 (0.933)		52231	100.000	98.631	
61 1,2-dibromoethane	107	14.305	14.305 (0.956)		51026	100.000	107.112	
* 62 chlorobenzene-d5	117	14.963	14.963 (1.000)		172435	100.000		
63 chlorobenzene	112	15.024	15.024 (1.004)		189831	100.000	104.020	
64 1,1,1,2-tetrachloroethane	131	15.095	15.095 (1.009)		63138	100.000	109.239	
65 ethyl benzene	91	15.115	15.115 (1.010)		353605	100.000	115.038	
66 p/m xylene	106	15.257	15.257 (1.020)		266365	200.000	223.116	
67 o xylene	106	16.016	16.016 (1.070)		252667	200.000	218.418	
68 styrene	104	16.077	16.077 (1.074)		432678	200.000	220.188(M)	M1
69 isopropylbenzene	105	16.654	16.654 (0.865)		321197	100.000	113.231	
70 bromoform	173	16.664	16.664 (0.866)		27671	100.000	98.269	
71 1,4-dichloro-2-butane	55	16.796	16.796 (0.873)		105121	100.000	107.102	
72 1,1,2,2,-tetrachloroethane	83	16.938	16.938 (0.880)		60592	100.000	124.150	
\$ 73 4-bromofluorobenzene	95	17.090	17.090 (0.888)		91018	100.000	102.721	
74 1,2,3-trichloropropane	75	17.201	17.201 (0.894)		50402	100.000	118.989	
75 trans-1,4-dichloro-2-butene	53	17.323	17.323 (0.900)		19515	100.000	96.179(M)	M1
76 n-propylbenzene	91	17.373	17.373 (0.903)		373886	100.000	112.056	
77 bromobenzene	156	17.444	17.444 (0.906)		80168	100.000	113.848	
78 4-ethyltoluene	105	17.576	17.576 (0.913)		264594	100.000	94.945	
79 1,3,5-trimethybenzene	105	17.657	17.657 (0.917)		257601	100.000	109.130	
80 2-chlorotoluene	91	17.697	17.697 (0.920)		270444	100.000	115.965	
81 4-chorotoluene	91	17.778	17.778 (0.924)		255302	100.000	114.920	
82 tert-butylbenzene	119	18.305	18.305 (0.951)		213160	100.000	106.125	
83 1,2,4-trimethylbenzene	105	18.376	18.376 (0.955)		250734	100.000	107.333	
84 sec-butylbenzene	105	18.700	18.700 (0.972)		310605	100.000	107.565	
85 p-isopropyltoluene	119	18.943	18.943 (0.984)		248978	100.000	107.488	
86 1,3-dichlorobenzene	146	19.115	19.115 (0.993)		139876	100.000	111.798	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
						CAL-AMT (ngs)	ON-COL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 87 1,4-dichlorobenzene-d4	152	19.247	19.247	(1.000)	86643	100.000		
88 1,4-dichlorobenzene	146	19.307	19.307	(1.003)	144495	100.000	114.003	
89 n-butylbenzene	91	19.702	19.702	(1.024)	245200	100.000	104.804	
90 p-Diethylbenzene	119	19.723	19.723	(1.025)	121963	100.000	93.609	
91 1,2-dichlorobenzene	146	19.986	19.986	(1.038)	130537	100.000	112.941	
92 1,2,4,5-tetramethylbenzene	119	21.140	21.140	(1.098)	204024	100.000	115.819	
93 1,2-dibromo-3-chloropropane	75	21.424	21.424	(1.113)	8940	100.000	104.838	
94 1,2,4-trichlorobenzene	180	22.933	22.933	(1.192)	76832	100.000	110.662	
95 hexachlorobutadiene	225	23.165	23.165	(1.204)	39283	100.000	101.609	
96 naphthalene	128	23.327	23.327	(1.212)	139185	100.000	122.772	
97 1,2,3-trichlorobenzene	180	23.712	23.712	(1.232)	63822	100.000	111.769	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i
 Lab File ID: 0825A02.D
 Lab Smp Id:
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: PD
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m
 Misc Info: wg, ical5258

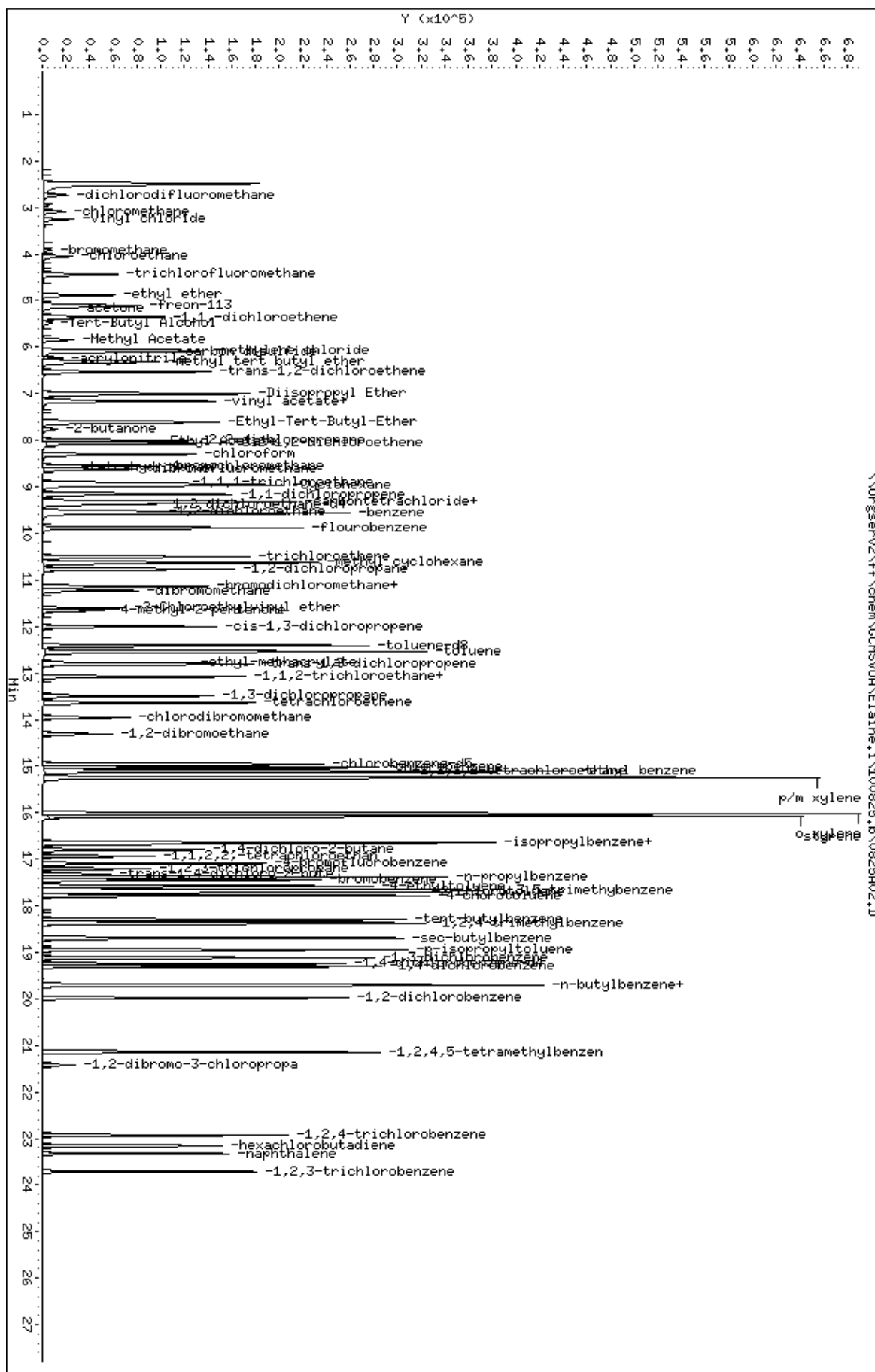
Calibration Date: 25-AUG-2010
 Calibration Time: 08:21

Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	254490	127245	508980	247899	-2.59
62 chlorobenzene-d5	176223	88112	352446	172435	-2.15
87 1,4-dichlorobenze	88284	44142	176568	86643	-1.86

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

BFB method - Elaine
Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\BFB0825A.D
Lab Smp Id: BFB TUNE Client Smp ID: BFB TUNE
Inj Date : 25-AUG-2010 08:13
Operator : PD Inst ID: Elaine.i
Smp Info : BFB TUNE
Misc Info : 50ng Direct Injection
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\bfb.m
Meth Date : 28-May-2009 13:44 pduczmalew Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: VOA-4

Concentration Formula: Amt * DF * Uf * Vf * VI * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
VI	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

CONCENTRATIONS									
RT	EXP RT	REL RT	MASS	RESPONSE	ON-COL	FINAL	TARGET	RANGE	RATIO
					(ug/L)	(ug/L)			
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 BFB					CAS #: 460-00-4				
4.054	4.090	(0.000)	95	19856			100.00-	100.00	100.00
4.054	4.090	(0.000)	50	4508			15.00-	40.00	22.70
4.054	4.090	(0.000)	75	9555			30.00-	60.00	48.12
4.054	4.090	(0.000)	96	1323			5.00-	9.00	6.66
4.054	4.090	(0.000)	173	0	0.0	0.0	0.00-	2.00	0.00
4.054	4.090	(0.000)	174	15087			50.00-	100.00	75.98
4.054	4.090	(0.000)	175	958			5.00-	9.00	6.35
4.054	4.090	(0.000)	176	14627			95.00-	101.00	96.95
4.054	4.090	(0.000)	177	913			5.00-	9.00	6.24

Date : 25-AUG-2010 08:13

Client ID: BFB TUNE

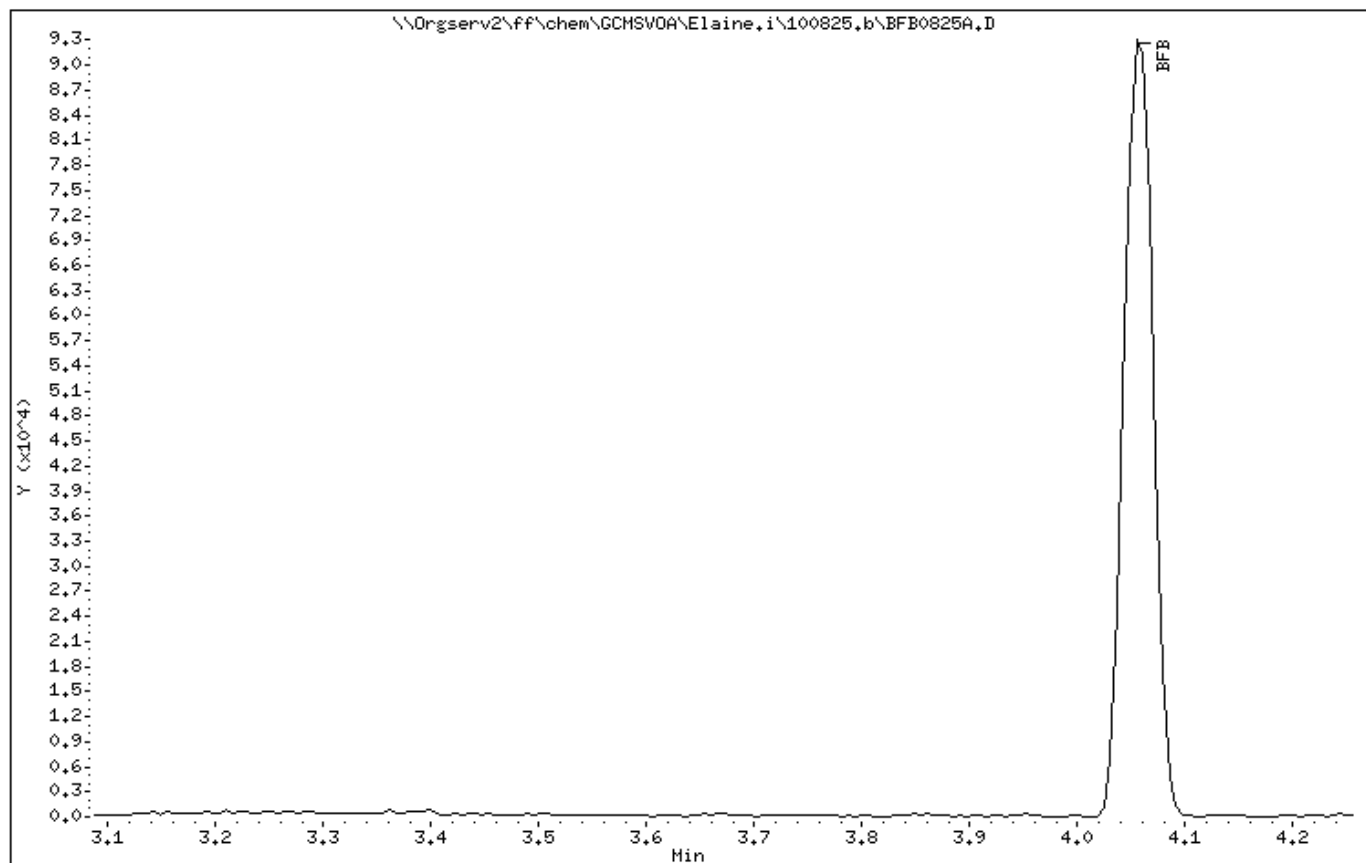
Instrument: Elaine.i

Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 0,18



Date : 25-AUG-2010 08:13

Client ID: BFB TUNE

Instrument: Elaine.i

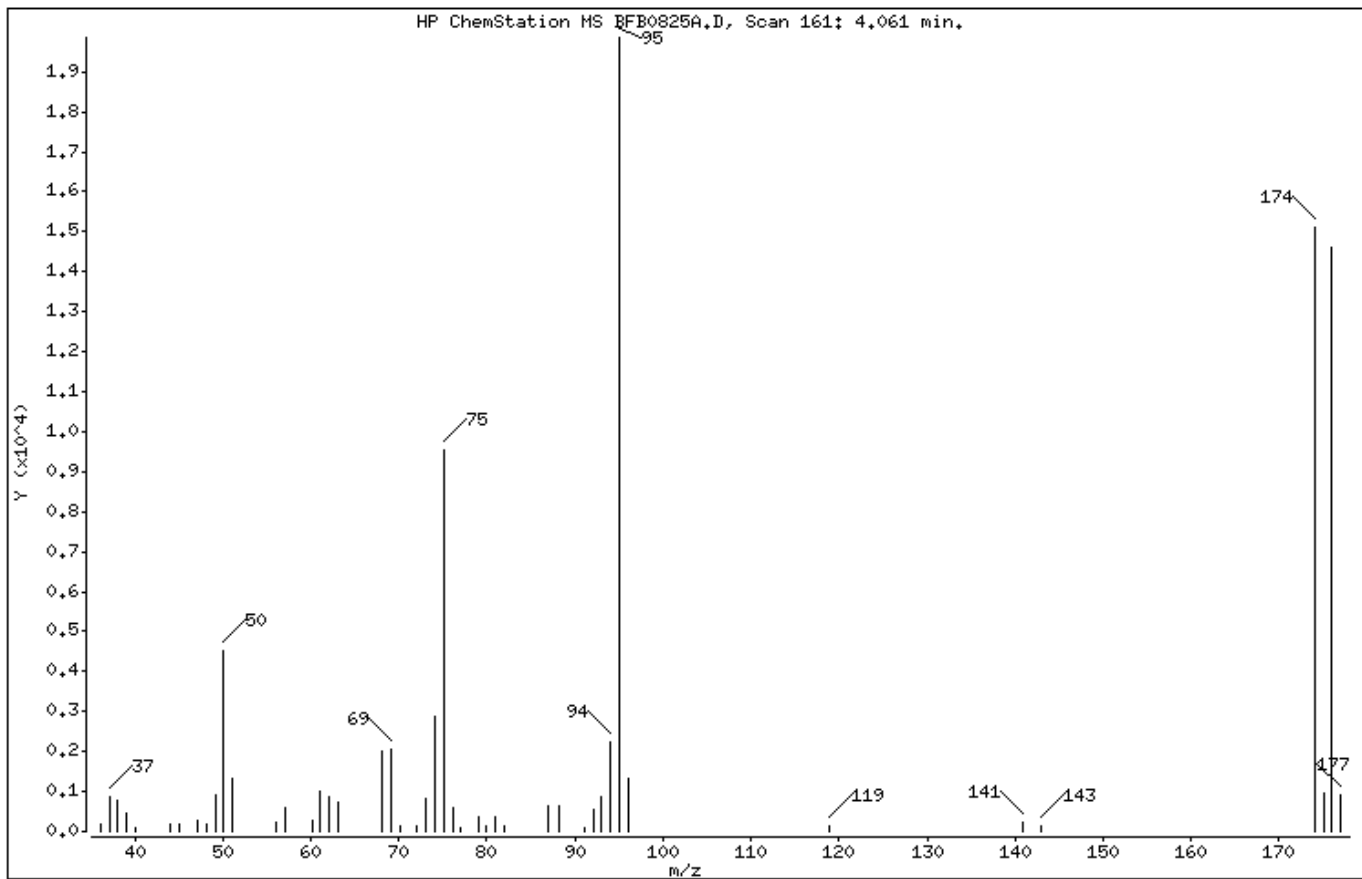
Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 0.18

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	22.70
75	30.00 - 60.00% of mass 95	48.12
96	5.00 - 9.00% of mass 95	6.66
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	75.98
175	5.00 - 9.00% of mass 174	4.82 (6.35)
176	95.00 - 101.00% of mass 174	73.67 (96.95)
177	5.00 - 9.00% of mass 176	4.60 (6.24)

Date : 25-AUG-2010 08:13

Client ID: BFB TUNE

Instrument: Elaine.i

Sample Info: BFB TUNE

Operator: PD

Column phase:

Column diameter: 0.18

Data File: BFB0825A.D

Spectrum: HP ChemStation MS BFB0825A.D, Scan 161: 4.061 min.

Location of Maximum: 95.10

Number of points: 46

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	191	56.10	232	75.10	9555	94.00	2224
37.10	856	57.10	591	76.10	584	95.10	19856
38.10	797	60.10	292	77.00	106	96.10	1323
39.10	434	61.10	1013	79.00	378	118.90	145
40.00	103	62.10	857	79.90	130	140.90	221
44.10	179	63.10	736	81.00	385	142.90	132
45.10	172	68.10	2001	82.00	132	174.00	15087
47.10	280	69.10	2064	87.00	625	175.00	958
48.10	196	70.10	152	88.10	638	176.00	14627
49.10	924	72.00	127	91.00	109	177.00	913
50.10	4508	73.10	840	92.10	538		
51.10	1338	74.10	2887	93.00	885		

Volatiles Raw QC Data

Alpha Analytical Labs

gc/ms voa - Elaine
Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\0825A04.D
Lab Smp Id:
Inj Date : 25-AUG-2010 10:04
Operator : PD Inst ID: Elaine.i
Smp Info : wg429522-3,31,10
Misc Info : wg429522,ical5258
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m
Meth Date : 25-Aug-2010 13:32 pduczmalew Quant Type: ISTD
Cal Date : 25-AUG-2010 09:30 Cal File: 0825A03.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260nytcl.sub
Target Version: 4.12
Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					CONCENTRATIONS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ngs)	FINAL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dichlorodifluoromethane	85				Compound Not Detected.			
2 chloromethane	50				Compound Not Detected.			
3 vinyl chloride	62				Compound Not Detected.			
4 bromomethane	94				Compound Not Detected.			
5 chloroethane	64				Compound Not Detected.			
6 trichlorofluoromethane	101				Compound Not Detected.			
7 ethyl ether	74				Compound Not Detected.			
9 acetone	43				Compound Not Detected.			
10 1,1,-dichloroethene	96				Compound Not Detected.			
13 methylene chloride	84				Compound Not Detected.			
14 carbon disulfide	76				Compound Not Detected.			
15 acrylonitrile	53				Compound Not Detected.			
16 methyl tert butyl ether	73				Compound Not Detected.			
18 trans-1,2-dichloroethene	96				Compound Not Detected.			
21 vinyl acetate	43				Compound Not Detected.			
22 1,1-dichloroethane	63				Compound Not Detected.			
24 2-butanone	43				Compound Not Detected.			
25 2,2-dichloropropane	77				Compound Not Detected.			
27 cis-1,2-dichloroethene	96				Compound Not Detected.			
28 chloroform	83				Compound Not Detected.			
29 bromochloromethane	128				Compound Not Detected.			
\$ 31 dibromofluoromethane	113	8.624	8.624 (0.873)		53504	100.482	100.482	
33 1,1,1-trichloroethane	97				Compound Not Detected.			
35 1,1-dichloropropene	75				Compound Not Detected.			
36 carbontetrachloride	117				Compound Not Detected.			
\$ 38 1,2-dichloroethane-d4	65	9.373	9.374 (0.949)		64716	108.395	108.394	
39 1,2-dichloroethane	62				Compound Not Detected.			
40 benzene	78				Compound Not Detected.			

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ngs)	FINAL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 41 flourobenzene	96	9.880	9.880	(1.000)		244404	100.000		
42 trichloroethene	95		Compound	Not Detected.					
44 1,2-dichloropropane	63		Compound	Not Detected.					
45 bromodichloromethane	83		Compound	Not Detected.					
47 dibromomethane	93		Compound	Not Detected.					
49 4-methyl-2-pentanone	58		Compound	Not Detected.					
51 cis-1,3-dichloropropene	75		Compound	Not Detected.					
\$ 52 toluene-d8	98	12.411	12.411	(0.829)		231394	102.136	102.135	
53 toluene	92		Compound	Not Detected.					
54 ethyl-methacrylate	69		Compound	Not Detected.					
55 trans-1,3-dichloropropene	75		Compound	Not Detected.					
56 1,1,2-trichloroethane	83		Compound	Not Detected.					
57 2-hexanone	43		Compound	Not Detected.					
58 1,3-dichloropropane	76		Compound	Not Detected.					
59 tetrachloroethene	166		Compound	Not Detected.					
60 chlorodibromomethane	129		Compound	Not Detected.					
61 1,2-dibromoethane	107		Compound	Not Detected.					
* 62 chlorobenzene-d5	117	14.963	14.963	(1.000)		170250	100.000		
63 chlorobenzene	112		Compound	Not Detected.					
64 1,1,1,2-tetrachloroethane	131		Compound	Not Detected.					
65 ethyl benzene	91		Compound	Not Detected.					
66 p/m xylene	106		Compound	Not Detected.					
67 o xylene	106		Compound	Not Detected.					
68 styrene	104		Compound	Not Detected.					
69 isopropylbenzene	105		Compound	Not Detected.					
70 bromoform	173		Compound	Not Detected.					
71 1,4-dichloro-2-butane	55		Compound	Not Detected.					
72 1,1,2,2,-tetrachloroethane	83		Compound	Not Detected.					
\$ 73 4-bromofluorobenzene	95	17.090	17.090	(0.888)		86868	107.745	107.744	
74 1,2,3-trichloropropane	75		Compound	Not Detected.					
75 trans-1,4-dichloro-2-butene	53		Compound	Not Detected.					
76 n-propylbenzene	91		Compound	Not Detected.					
77 bromobenzene	156		Compound	Not Detected.					
78 4-ethyltoluene	105		Compound	Not Detected.					
79 1,3,5-trimethylbenzene	105		Compound	Not Detected.					
80 2-chlorotoluene	91		Compound	Not Detected.					
81 4-chorotoluene	91		Compound	Not Detected.					
82 tert-butylbenzene	119		Compound	Not Detected.					
83 1,2,4-trimethylbenzene	105		Compound	Not Detected.					
84 sec-butylbenzene	105		Compound	Not Detected.					
85 p-isopropyltoluene	119		Compound	Not Detected.					
86 1,3-dichlorobenzene	146		Compound	Not Detected.					
* 87 1,4-dichlorobenzene-d4	152	19.247	19.247	(1.000)		78837	100.000		
88 1,4-dichlorobenzene	146		Compound	Not Detected.					
89 n-butylbenzene	91		Compound	Not Detected.					
90 p-Diethylbenzene	119		Compound	Not Detected.					
91 1,2-dichlorobenzene	146		Compound	Not Detected.					
92 1,2,4,5-tetramethylbenzene	119		Compound	Not Detected.					
93 1,2-dibromo-3-chloropropane	75		Compound	Not Detected.					
94 1,2,4-trichlorobenzene	180		Compound	Not Detected.					
95 hexachlorobutadiene	225		Compound	Not Detected.					
96 naphthalene	128		Compound	Not Detected.					
97 1,2,3-trichlorobenzene	180		Compound	Not Detected.					

Alpha Analytical Labs

gc/ms voa - Elaine
Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\0825A04.D
Lab Smp Id:
Inj Date : 25-AUG-2010 10:04
Operator : PD Inst ID: Elaine.i
Smp Info : wg429522-3,31,10
Misc Info : wg429522,ical5258
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m
Meth Date : 25-Aug-2010 13:32 pduczmalew Quant Type: ISTD
Cal Date : 25-AUG-2010 09:30 Cal File: 0825A03.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260nytcl.sub
Target Version: 4.12
Processing Host: VOA-4

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i

Lab File ID: 0825A04.D

Lab Smp Id:

Analysis Type: VOA

Quant Type: ISTD

Operator: PD

Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m

Misc Info: wg429522,ical5258

Calibration Date: 25-AUG-2010

Calibration Time: 08:55

Level: LOW

Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	247899	123950	495798	244404	-1.41
62 chlorobenzene-d5	172435	86218	344870	170250	-1.27
87 1,4-dichlorobenze	86643	43322	173286	78837	-9.01

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	-0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	-0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	-0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id:
Level: LOW Operator: PD
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LIQ8260spk.spk Quant Type: ISTD
Sublist File: 8260nytc1.sub
Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m
Misc Info: wg429522,ical5258

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
\$ 31 dibromofluorometha	100.000	100.482	100.48	70-130
\$ 38 1,2-dichloroethane	100.000	108.394	108.39	70-130
\$ 52 toluene-d8	100.000	102.135	102.14	70-130
\$ 73 4-bromofluorobenze	100.000	107.744	107.74	70-130

Data File: \\Drger\2\ff\chem\GCHSV04\Elaine.i\100825.b\0825a04.D

Date : 25-AUG-2010 10:04

Client ID:

Sample Info: wg429522-3,34,10

Purge Volume: 10.0

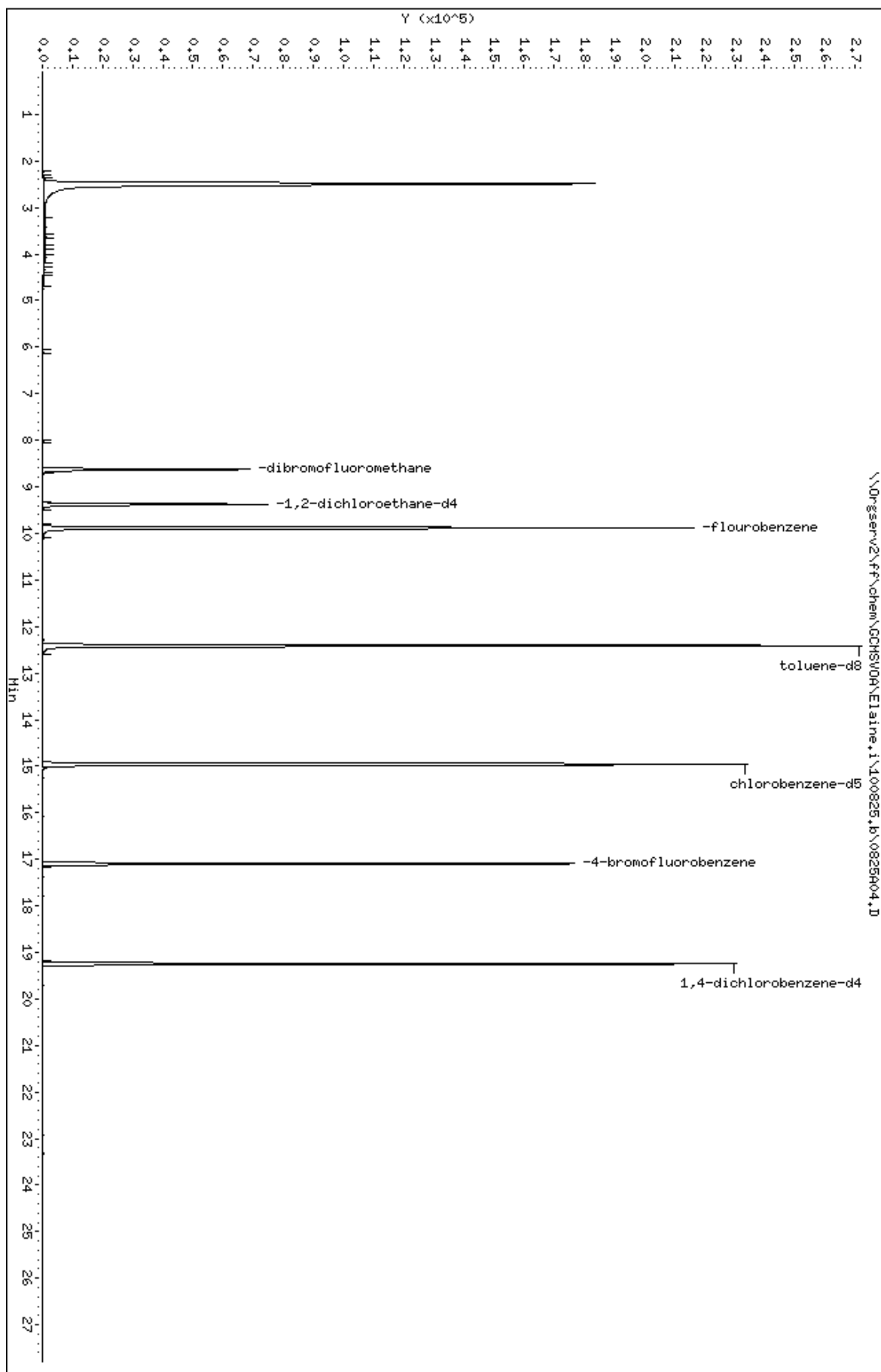
Column phase:

Instrument: Elaine.i

Operator: PD

Column diameter: 0.18

Page 6



Alpha Analytical Labs

gc/ms voa - Elaine
Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825p.b\0825A02.D
Lab Smp Id:
Inj Date : 25-AUG-2010 08:55
Operator : PD Inst ID: Elaine.i
Smp Info : wg429522-1P,31,10
Misc Info : wg429522,ical5258
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825p.b\liq8260B.m
Meth Date : 26-Aug-2010 09:41 Elaine.i Quant Type: ISTD
Cal Date : 25-AUG-2010 09:30 Cal File: 0825A03.D
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: spike.sub
Target Version: 4.12
Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
10 1,1, -dichloroethene	96	5.364	5.364	(0.543)	56249	97.7349	97.734	
\$ 31 dibromofluoromethane	113	8.624	8.624	(0.873)	55141	102.096	102.096	
\$ 38 1,2-dichloroethane-d4	65	9.374	9.374	(0.949)	65441	108.064	108.063	
40 benzene	78	9.566	9.566	(0.968)	285986	106.285	106.284	
* 41 flourobenzene	96	9.880	9.880	(1.000)	247899	100.000		
42 trichloroethene	95	10.508	10.508	(1.064)	71351	102.652	102.652	
\$ 52 toluene-d8	98	12.411	12.411	(0.829)	233050	101.563	101.563	
53 toluene	92	12.543	12.543	(0.838)	177142	103.959	103.959	
* 62 chlorobenzene-d5	117	14.963	14.963	(1.000)	172435	100.000		
63 chlorobenzene	112	15.024	15.024	(1.004)	189831	104.020	104.020	
\$ 73 4-bromofluorobenzene	95	17.090	17.090	(0.888)	91018	102.721	102.721	
* 87 1,4-dichlorobenzene-d4	152	19.247	19.247	(1.000)	86643	100.000		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i

Lab File ID: 0825A02.D

Lab Smp Id:

Analysis Type: VOA

Quant Type: ISTD

Operator: PD

Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825p.b\liq8260B.m

Misc Info: wg429522,ical5258

Calibration Date: 25-AUG-2010

Calibration Time: 08:55

Level: LOW

Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	247899	123950	495798	247899	0.00
62 chlorobenzene-d5	172435	86218	344870	172435	0.00
87 1,4-dichlorobenze	86643	43322	173286	86643	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

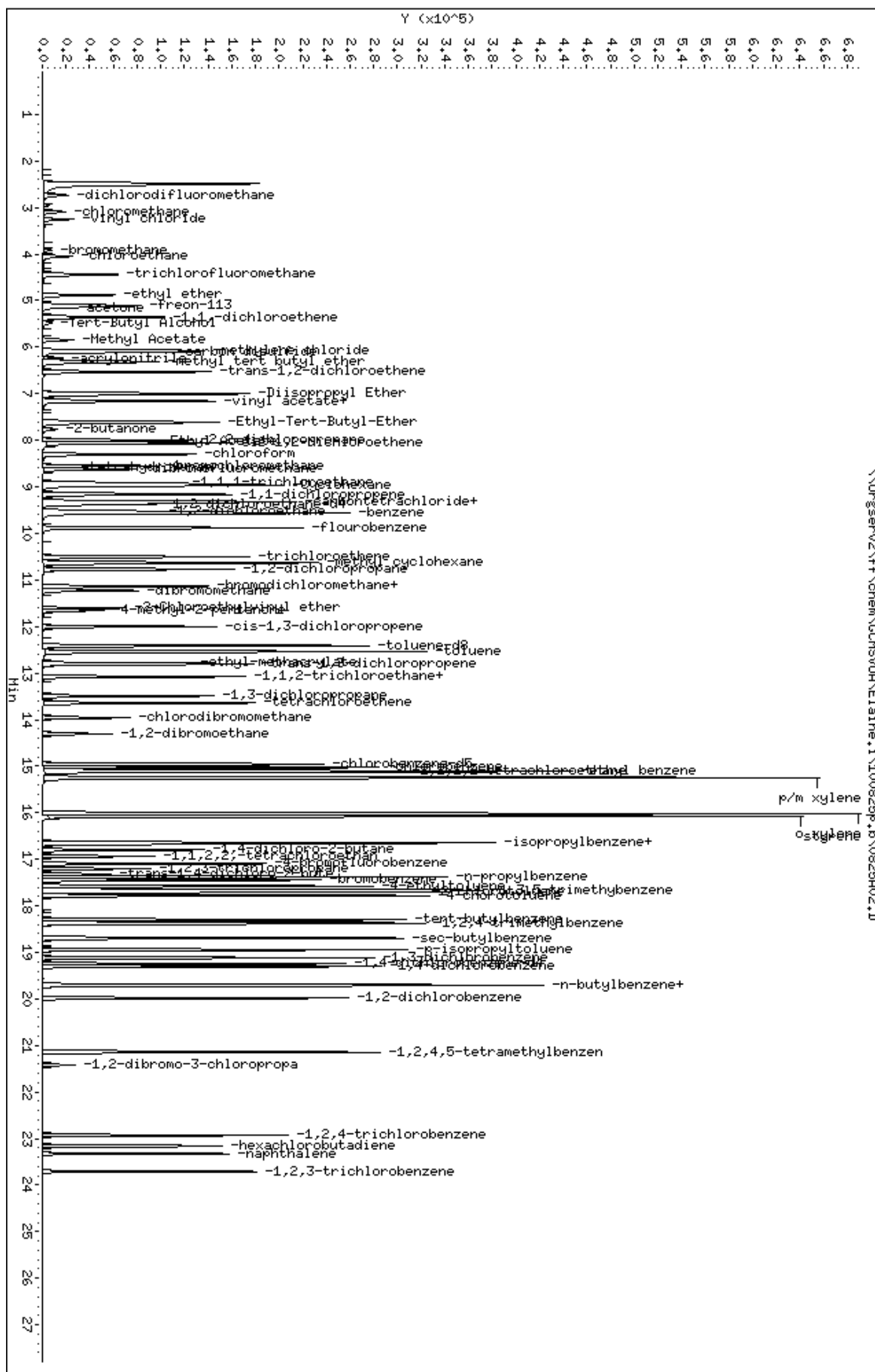
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
 Sample Matrix: LIQUID Fraction: VOA
 Lab Smp Id:
 Level: LOW Operator: PD
 Data Type: MS DATA SampleType: LCS
 SpikeList File: LIQ8260spk.spk Quant Type: ISTD
 Sublist File: spike.sub
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825p.b\liq8260B.m
 Misc Info: wg429522,ical5258

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
10 1,1,-dichloroethen	100.000	97.734	97.73	61-145
40 benzene	100.000	106.284	106.28	76-127
42 trichloroethene	100.000	102.652	102.65	71-120
53 toluene	100.000	103.959	103.96	76-125
63 chlorobenzene	100.000	104.020	104.02	75-130

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
\$ 31 dibromofluorometha	100.000	102.096	102.10	70-130
\$ 38 1,2-dichloroethane	100.000	108.063	108.06	70-130
\$ 52 toluene-d8	100.000	101.563	101.56	70-130
\$ 73 4-bromofluorobenze	100.000	102.721	102.72	70-130



Date : 25-AUG-2010 08:55

Client ID:

Instrument: Elaine.i

Sample Info: wg429522-1P,31,10

Purge Volume: 10.0

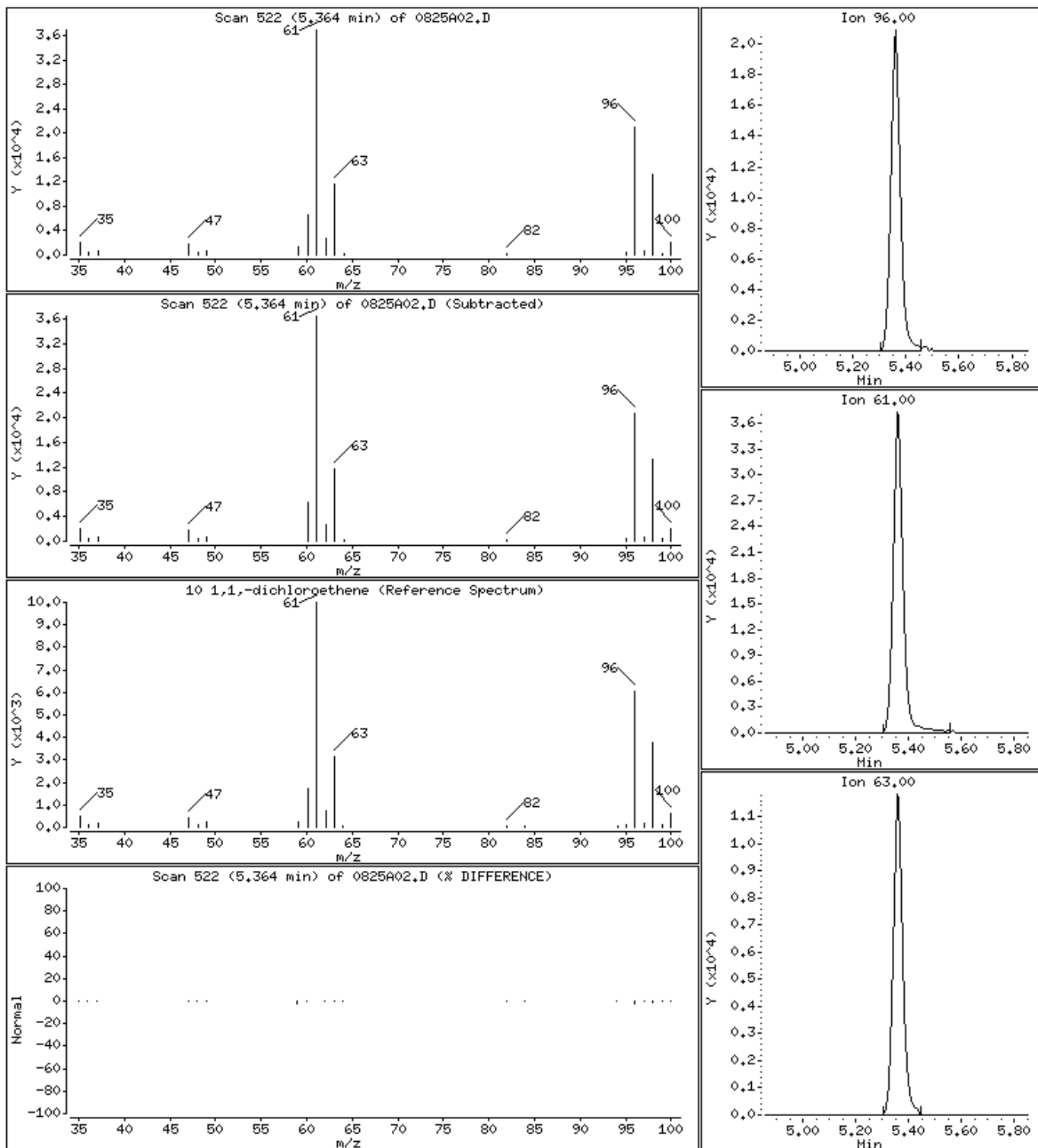
Operator: PD

Column phase:

Column diameter: 0.18

10 1,1,-dichloroethene

Concentration: 97.734 ngs



Date : 25-AUG-2010 08:55

Client ID:

Instrument: Elaine.i

Sample Info: wg429522-1P,31,10

Purge Volume: 10.0

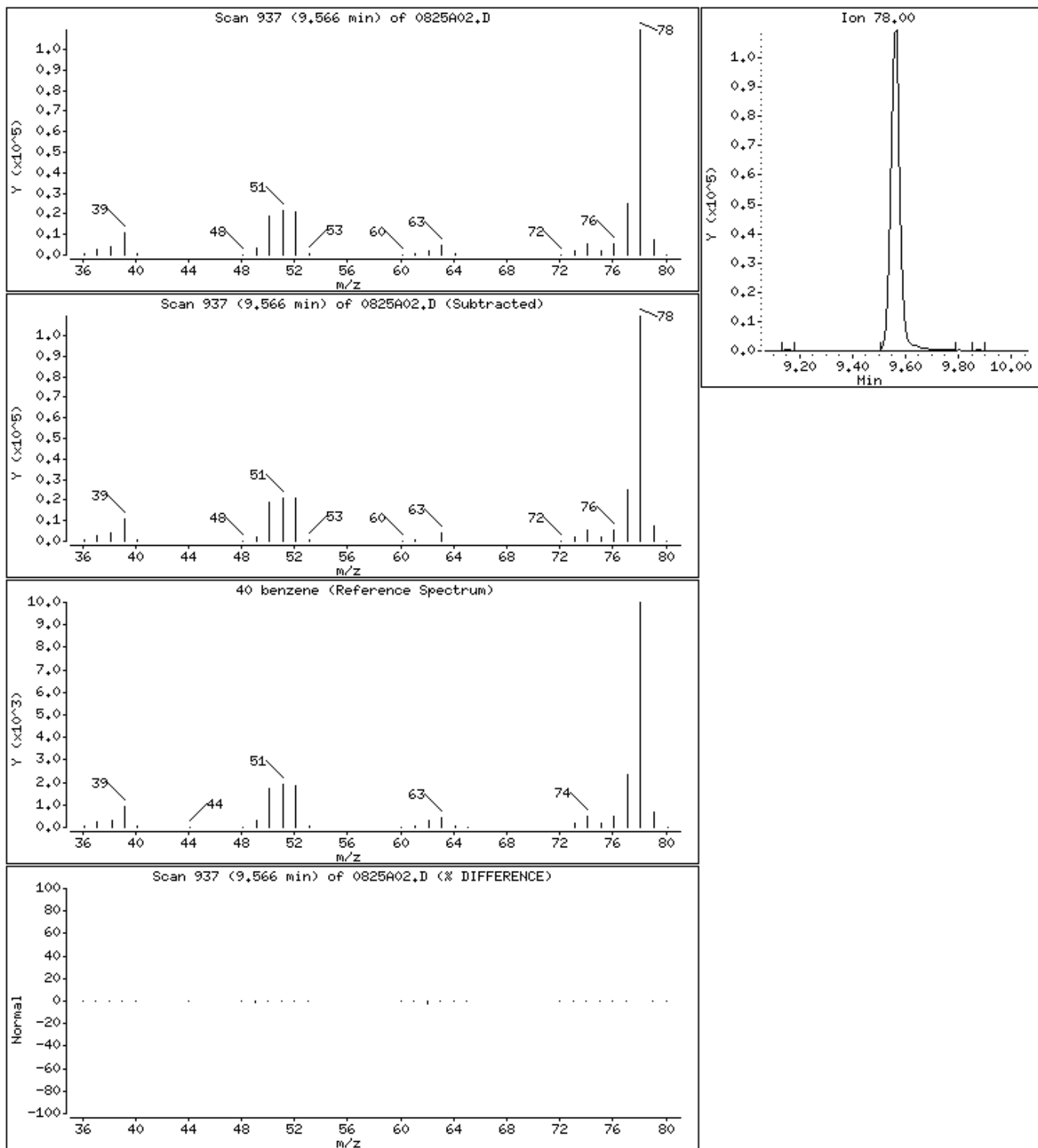
Operator: PD

Column phase:

Column diameter: 0.18

40 benzene

Concentration: 106,284 ngs



Date : 25-AUG-2010 08:55

Client ID:

Instrument: Elaine.i

Sample Info: wg429522-1P,31,10

Purge Volume: 10.0

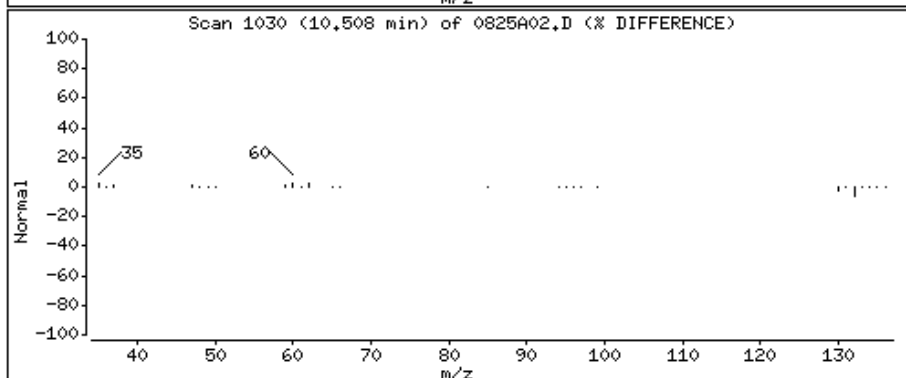
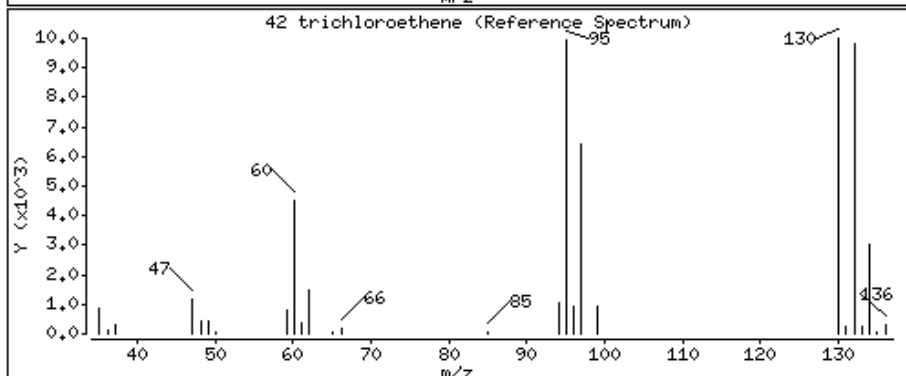
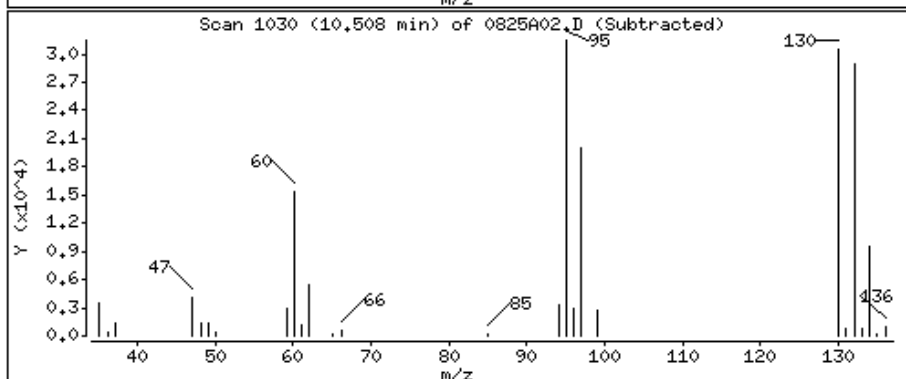
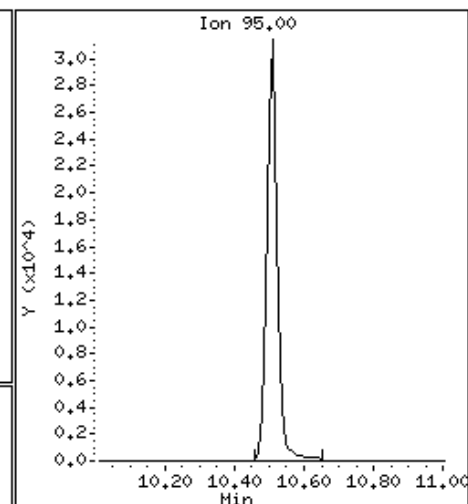
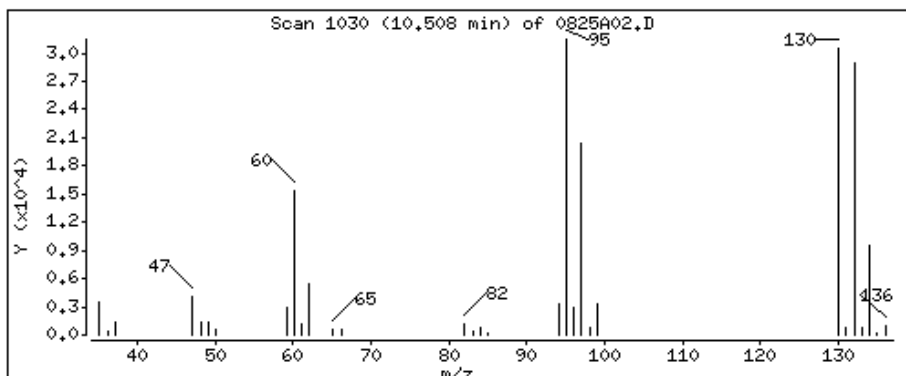
Operator: PD

Column phase:

Column diameter: 0.18

42 trichloroethene

Concentration: 102,652 ngs



Date : 25-AUG-2010 08:55

Client ID:

Instrument: Elaine.i

Sample Info: wg429522-1P,31,10

Purge Volume: 10.0

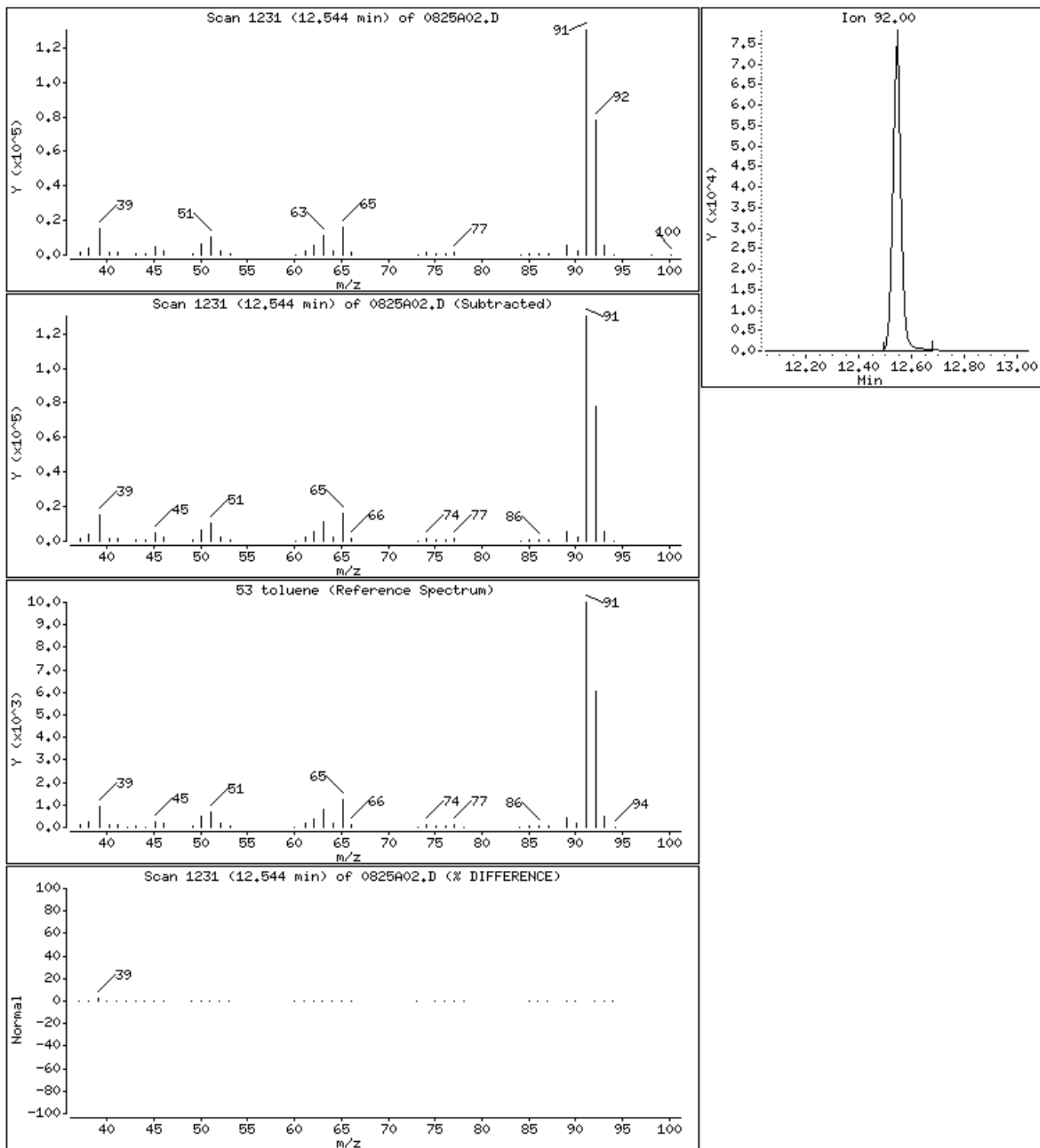
Operator: PD

Column phase:

Column diameter: 0.18

53 toluene

Concentration: 103.959 ngs



Date : 25-AUG-2010 08:55

Client ID:

Instrument: Elaine.i

Sample Info: wg429522-1P,31,10

Purge Volume: 10.0

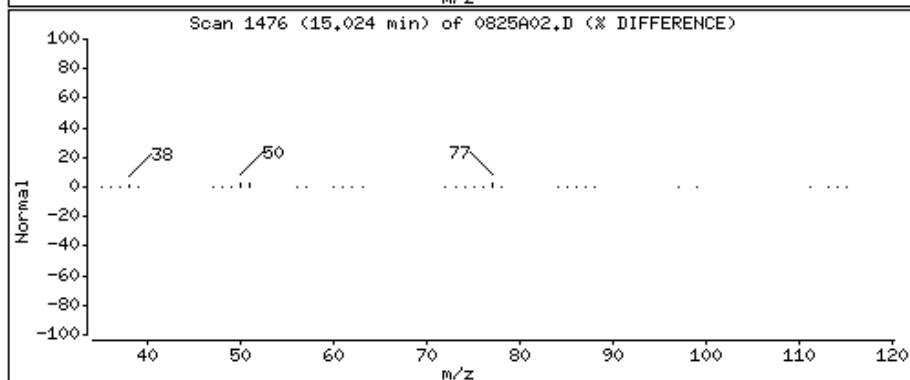
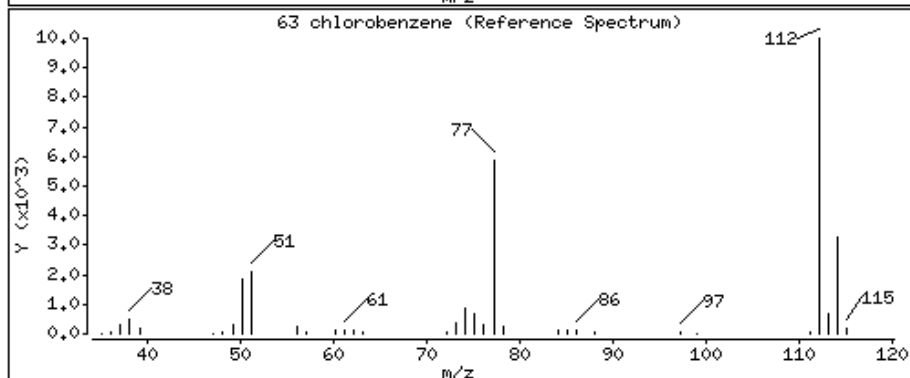
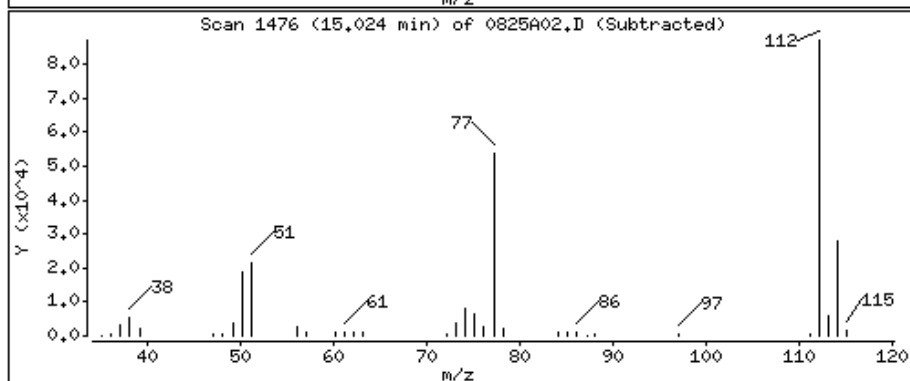
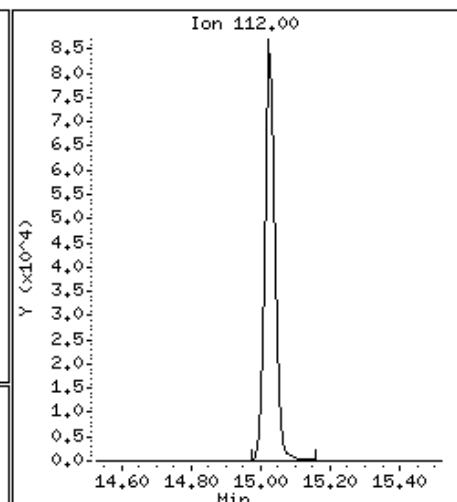
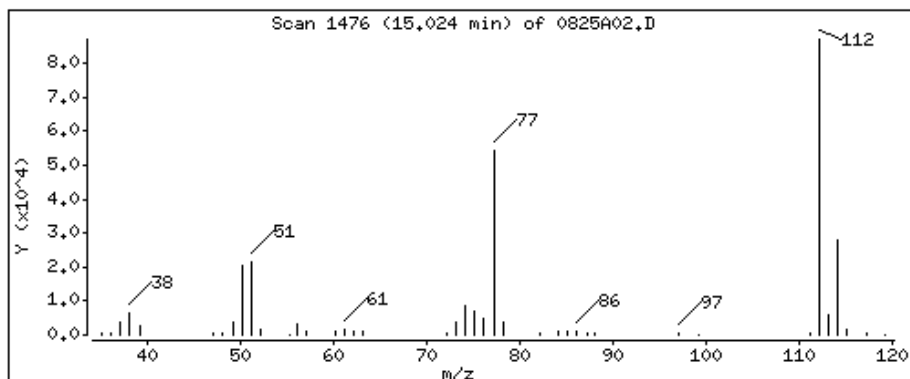
Operator: PD

Column phase:

Column diameter: 0.18

63 chlorobenzene

Concentration: 104,020 ngs



Alpha Analytical Labs

gc/ms voa - Elaine
Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\0825A02.D
Lab Smp Id:
Inj Date : 25-AUG-2010 08:55
Operator : PD Inst ID: Elaine.i
Smp Info : wg429522-1, 31, 10
Misc Info : wg429522, ical5258
Comment :
Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m
Meth Date : 25-Aug-2010 13:32 pduczmalew Quant Type: ISTD
Cal Date : 25-AUG-2010 09:30 Cal File: 0825A03.D
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: spike.sub
Target Version: 4.12
Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					CONCENTRATIONS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ngs)	FINAL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
10 1,1,-dichloroethene	96	5.364	5.364	(0.543)	56719	98.5516	98.551(M)	M1
\$ 31 dibromofluoromethane	113	8.624	8.624	(0.873)	55141	102.096	102.096	
\$ 38 1,2-dichloroethane-d4	65	9.374	9.374	(0.949)	65441	108.064	108.063	
40 benzene	78	9.566	9.566	(0.968)	285986	106.285	106.284	
* 41 flourobenzene	96	9.880	9.880	(1.000)	247899	100.000		
42 trichloroethene	95	10.508	10.508	(1.064)	71351	102.652	102.652	
\$ 52 toluene-d8	98	12.411	12.411	(0.829)	233050	101.563	101.563	
53 toluene	92	12.543	12.543	(0.838)	177142	103.959	103.959	
* 62 chlorobenzene-d5	117	14.963	14.963	(1.000)	172435	100.000		
63 chlorobenzene	112	15.024	15.024	(1.004)	189831	104.020	104.020	
\$ 73 4-bromofluorobenzene	95	17.090	17.090	(0.888)	91018	102.721	102.721	
* 87 1,4-dichlorobenzene-d4	152	19.247	19.247	(1.000)	86643	100.000		

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i

Lab File ID: 0825A02.D

Lab Smp Id:

Analysis Type: VOA

Quant Type: ISTD

Operator: PD

Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m

Misc Info: wg429522,ical5258

Calibration Date: 25-AUG-2010

Calibration Time: 08:55

Level: LOW

Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	247899	123950	495798	247899	0.00
62 chlorobenzene-d5	172435	86218	344870	172435	0.00
87 1,4-dichlorobenze	86643	43322	173286	86643	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

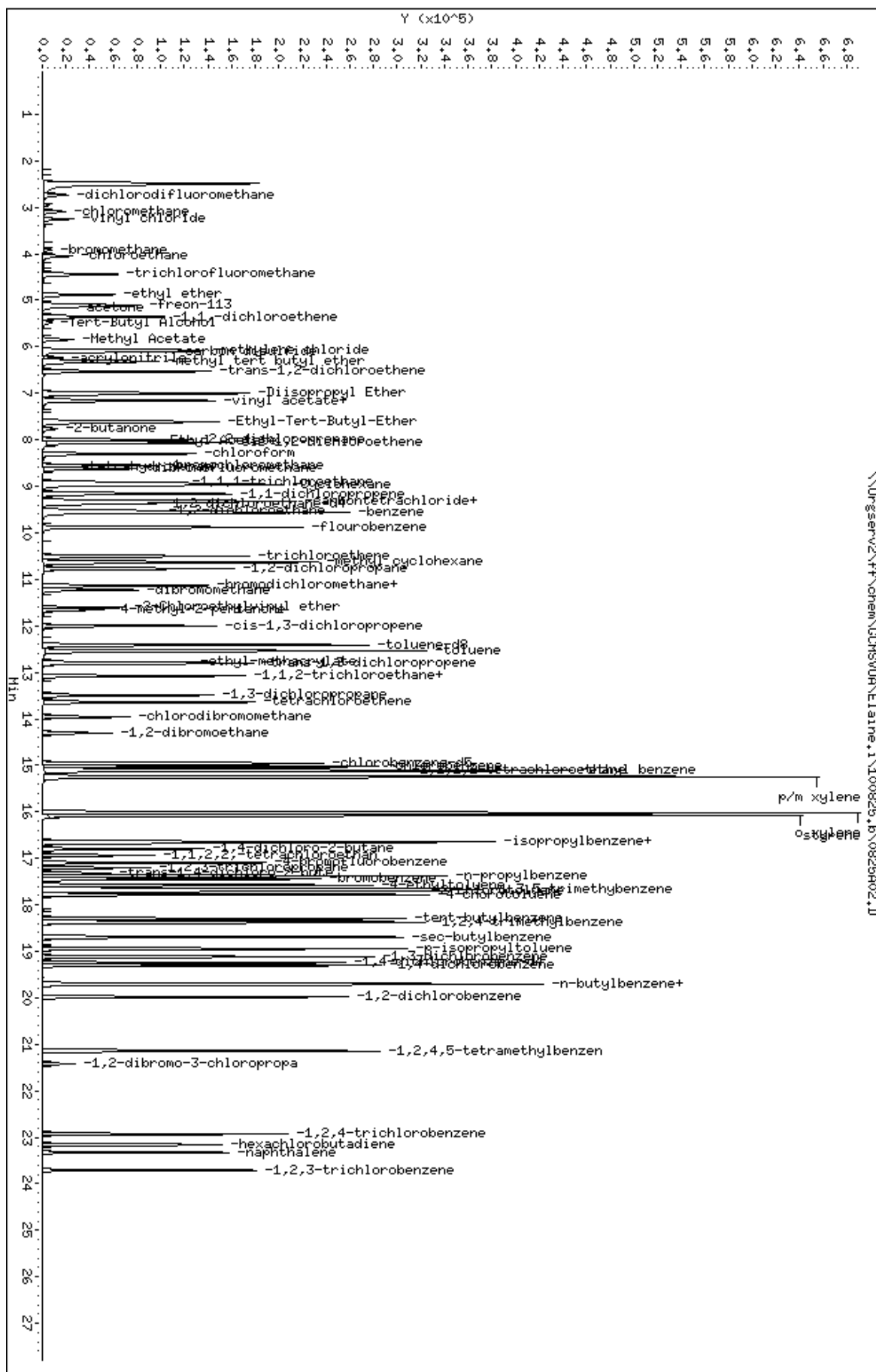
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
 Sample Matrix: LIQUID Fraction: VOA
 Lab Smp Id:
 Level: LOW Operator: PD
 Data Type: MS DATA SampleType: LCS
 SpikeList File: LIQ8260spk.spk Quant Type: ISTD
 Sublist File: spike.sub
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m
 Misc Info: wg429522,ical5258

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
10 1,1,-dichloroethen	100.000	98.551	98.55	61-145
40 benzene	100.000	106.284	106.28	76-127
42 trichloroethene	100.000	102.652	102.65	71-120
53 toluene	100.000	103.959	103.96	76-125
63 chlorobenzene	100.000	104.020	104.02	75-130

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
\$ 31 dibromofluorometha	100.000	102.096	102.10	70-130
\$ 38 1,2-dichloroethane	100.000	108.063	108.06	70-130
\$ 52 toluene-d8	100.000	101.563	101.56	70-130
\$ 73 4-bromofluorobenze	100.000	102.721	102.72	70-130



Date : 25-AUG-2010 08:55

Client ID:

Instrument: Elaine.i

Sample Info: wg429522-1,31,10

Purge Volume: 10.0

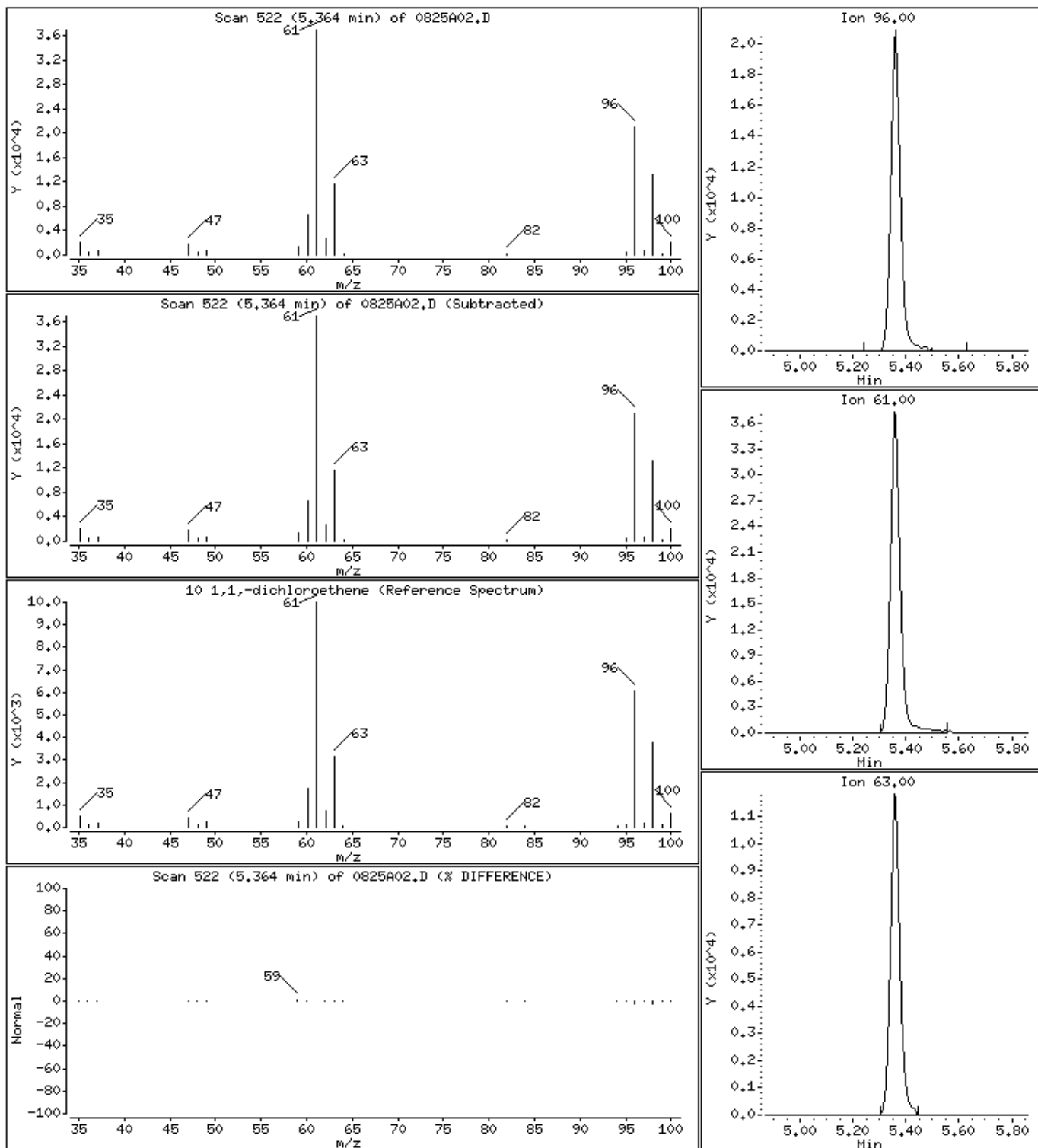
Operator: PD

Column phase:

Column diameter: 0.18

10 1,1,-dichloroethene

Concentration: 98.551 ngs



Date : 25-AUG-2010 08:55

Client ID:

Instrument: Elaine.i

Sample Info: wg429522-1,31,10

Purge Volume: 10.0

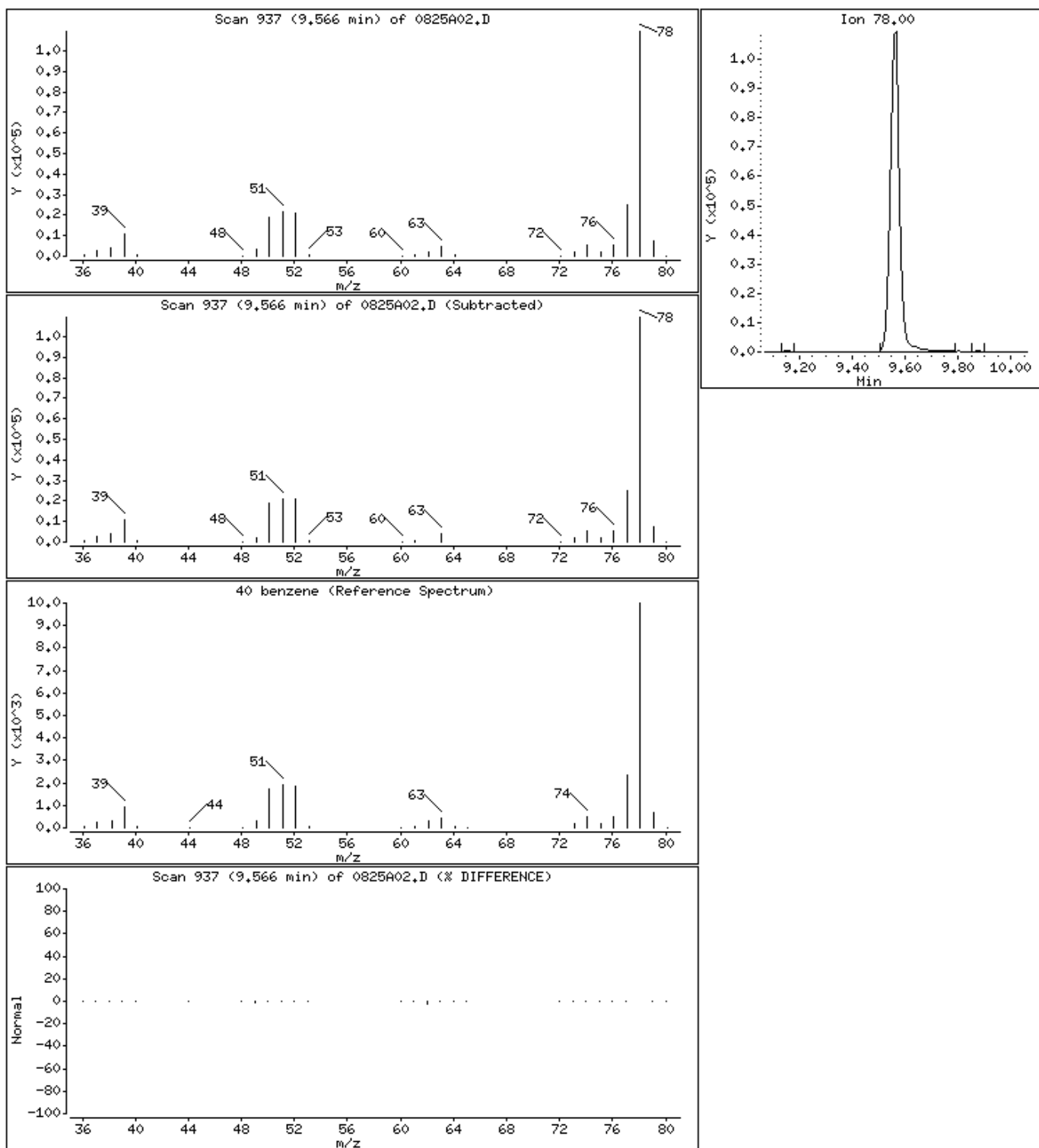
Operator: PD

Column phase:

Column diameter: 0.18

40 benzene

Concentration: 106,284 ngs



Date : 25-AUG-2010 08:55

Client ID:

Instrument: Elaine.i

Sample Info: wg429522-1,31,10

Purge Volume: 10.0

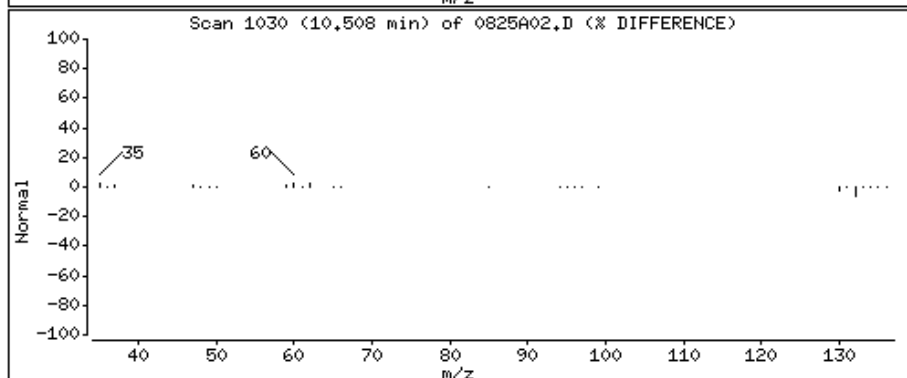
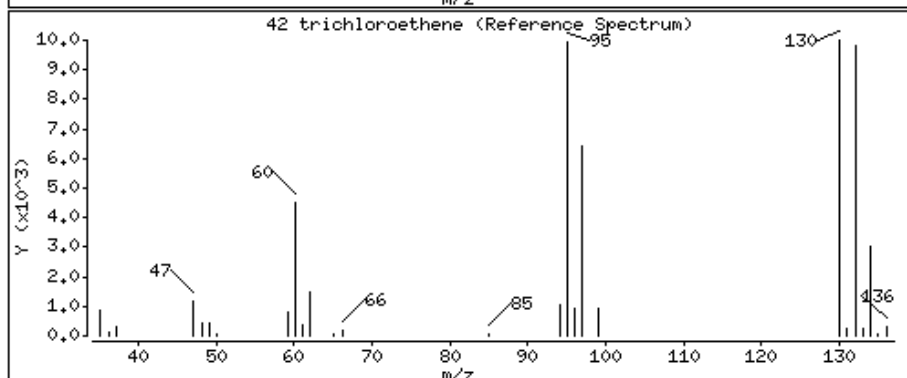
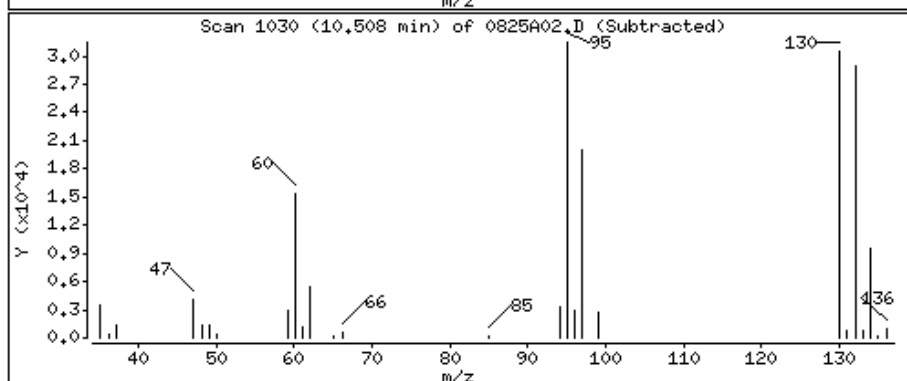
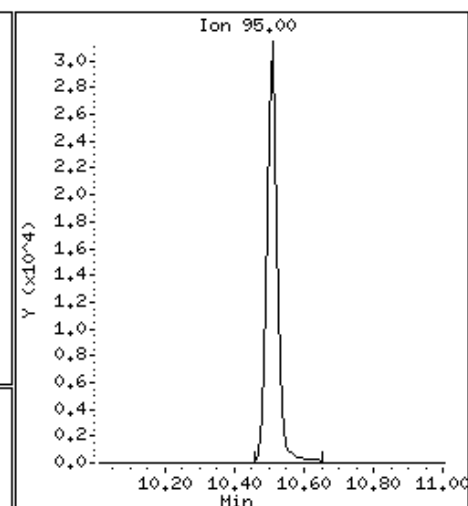
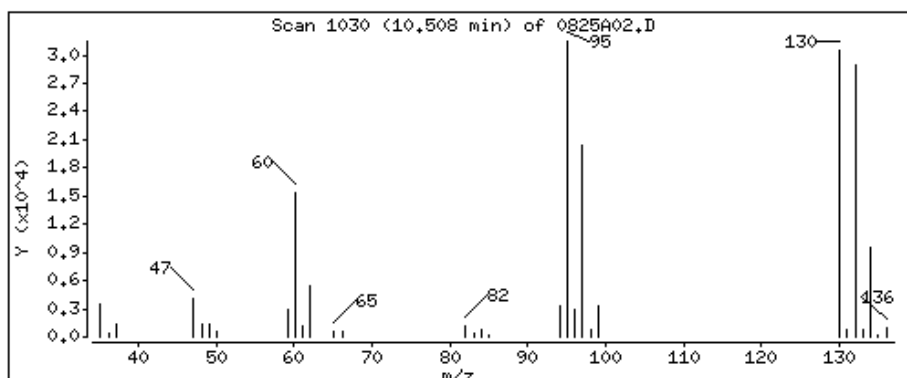
Operator: PD

Column phase:

Column diameter: 0.18

42 trichloroethene

Concentration: 102,652 ngs



Date : 25-AUG-2010 08:55

Client ID:

Instrument: Elaine.i

Sample Info: wg429522-1,31,10

Purge Volume: 10.0

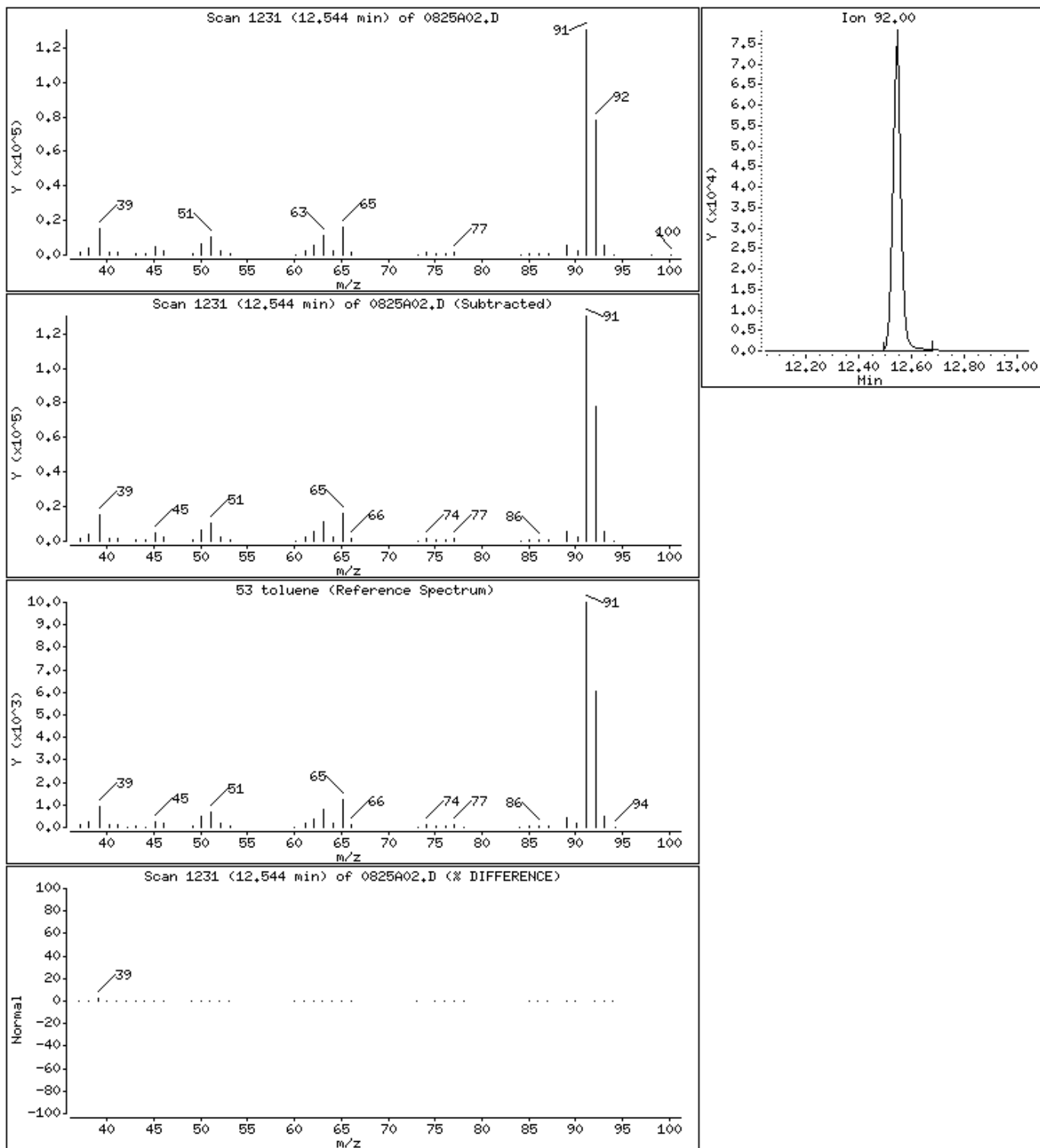
Operator: PD

Column phase:

Column diameter: 0.18

53 toluene

Concentration: 103,959 ngs



Date : 25-AUG-2010 08:55

Client ID:

Instrument: Elaine.i

Sample Info: wg429522-1,31,10

Purge Volume: 10.0

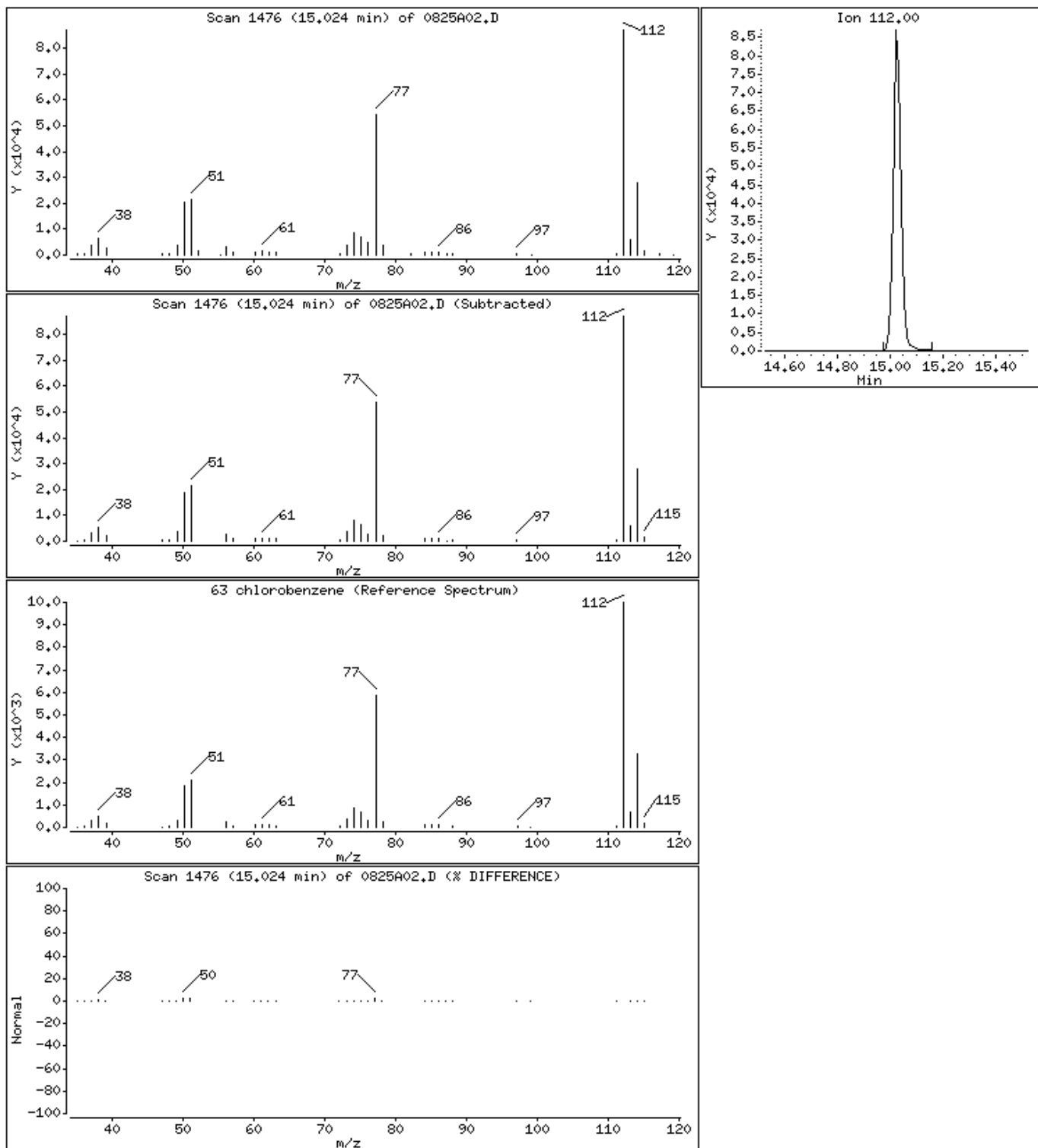
Operator: PD

Column phase:

Column diameter: 0.18

63 chlorobenzene

Concentration: 104,020 ngs



Alpha Analytical Labs

gc/ms voa - Elaine
 Data file : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\0825A01.D
 Lab Smp Id:
 Inj Date : 25-AUG-2010 08:21
 Operator : PD Inst ID: Elaine.i
 Smp Info : wg429522-2,31,10
 Misc Info : wg429522,ical5258
 Comment :
 Method : \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m
 Meth Date : 25-Aug-2010 13:32 pduczmalew Quant Type: ISTD
 Cal Date : 25-AUG-2010 09:30 Cal File: 0825A03.D
 Als bottle: 1 QC Sample: LCSD
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: spike.sub
 Target Version: 4.12
 Processing Host: VOA-4

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ngs)	FINAL (ngs)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
10 1,1,-dichloroethene	96	5.353	5.364	(0.542)	63030	106.681	106.680		
\$ 31 dibromofluoromethane	113	8.624	8.624	(0.873)	56458	101.828	101.827		
\$ 38 1,2-dichloroethane-d4	65	9.373	9.374	(0.949)	67121	107.967	107.967		
40 benzene	78	9.556	9.566	(0.967)	305061	110.438	110.437		
* 41 flourobenzene	96	9.880	9.880	(1.000)	254490	100.000			
42 trichloroethene	95	10.507	10.508	(1.064)	76909	107.783	107.782		
\$ 52 toluene-d8	98	12.411	12.411	(0.829)	240714	102.648	102.648		
53 toluene	92	12.543	12.543	(0.838)	188080	108.006	108.006		
* 62 chlorobenzene-d5	117	14.963	14.963	(1.000)	176223	100.000			
63 chlorobenzene	112	15.024	15.024	(1.004)	199044	106.724	106.724		
\$ 73 4-bromofluorobenzene	95	17.089	17.090	(0.888)	91567	101.420	101.419		
* 87 1,4-dichlorobenzene-d4	152	19.246	19.247	(1.000)	88284	100.000			

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Elaine.i
 Lab File ID: 0825A01.D
 Lab Smp Id:
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: PD
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m
 Misc Info: wg429522,ical5258

Calibration Date: 25-AUG-2010
 Calibration Time: 08:55
 Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	247899	123950	495798	254490	2.66
62 chlorobenzene-d5	172435	86218	344870	176223	2.20
87 1,4-dichlorobenze	86643	43322	173286	88284	1.89

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
41 flourobenezene	9.88	9.38	10.38	9.88	-0.00
62 chlorobenzene-d5	14.96	14.46	15.46	14.96	-0.00
87 1,4-dichlorobenze	19.25	18.75	19.75	19.25	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

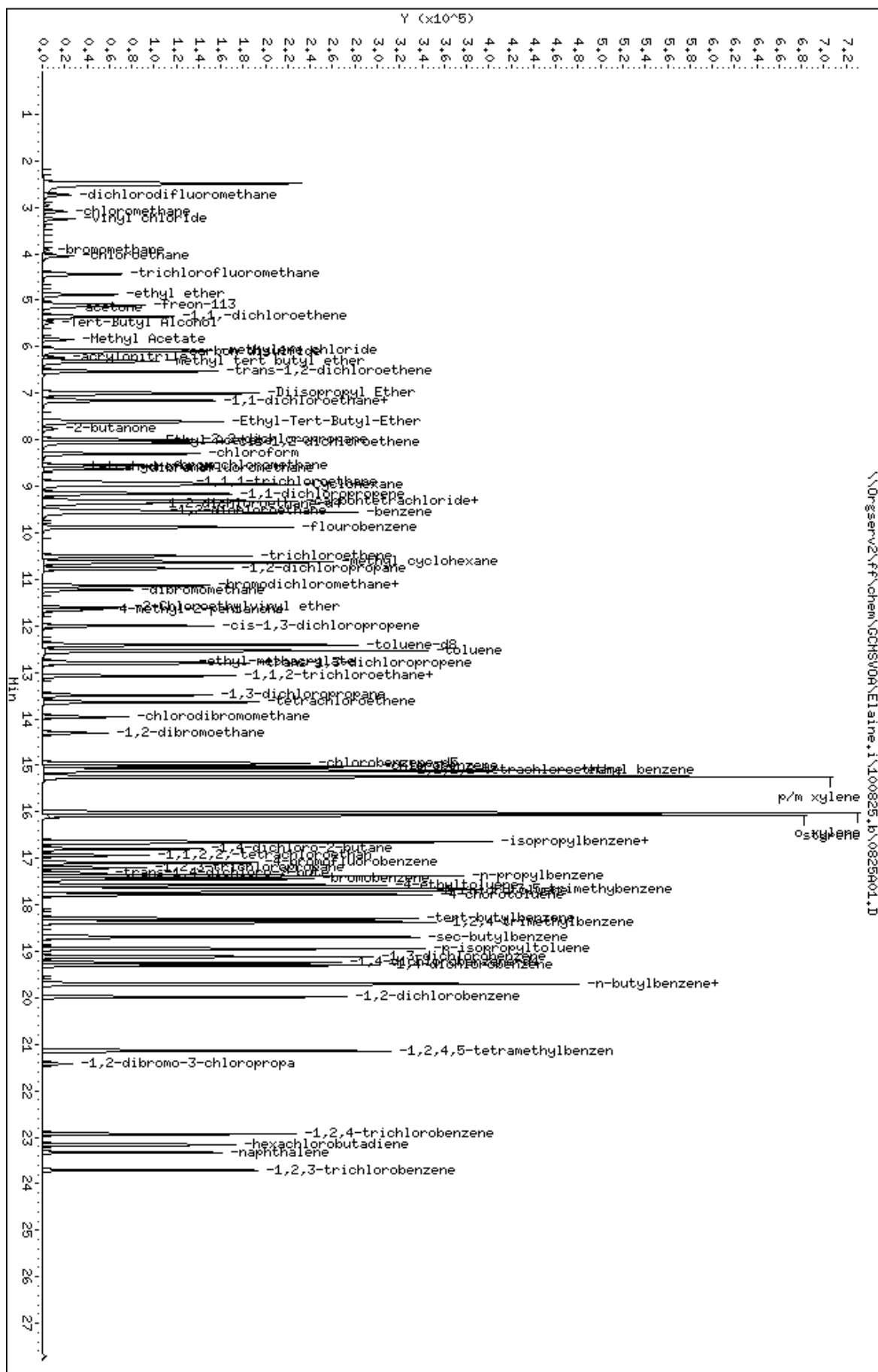
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00307
 Sample Matrix: LIQUID Fraction: VOA
 Lab Smp Id:
 Level: LOW Operator: PD
 Data Type: MS DATA SampleType: LCSD
 SpikeList File: LIQ8260spk.spk Quant Type: ISTD
 Sublist File: spike.sub
 Method File: \\Orgserv2\ff\chem\GCMSVOA\Elaine.i\100825.b\liq8260B.m
 Misc Info: wg429522,ical5258

SPIKE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
10 1,1,-dichloroethen	100.000	106.680	106.68	61-145
40 benzene	100.000	110.437	110.44	76-127
42 trichloroethene	100.000	107.782	107.78	71-120
53 toluene	100.000	108.006	108.01	76-125
63 chlorobenzene	100.000	106.724	106.72	75-130

SURROGATE COMPOUND	AMOUNT ADDED ngs	AMOUNT RECOVERED ngs	% RECOVERED	LIMITS
\$ 31 dibromofluorometha	100.000	101.827	101.83	70-130
\$ 38 1,2-dichloroethane	100.000	107.967	107.97	70-130
\$ 52 toluene-d8	100.000	102.648	102.65	70-130
\$ 73 4-bromofluorobenze	100.000	101.419	101.42	70-130



Date : 25-AUG-2010 08:21

Client ID:

Instrument: Elaine.i

Sample Info: wg429522-2,31,10

Purge Volume: 10.0

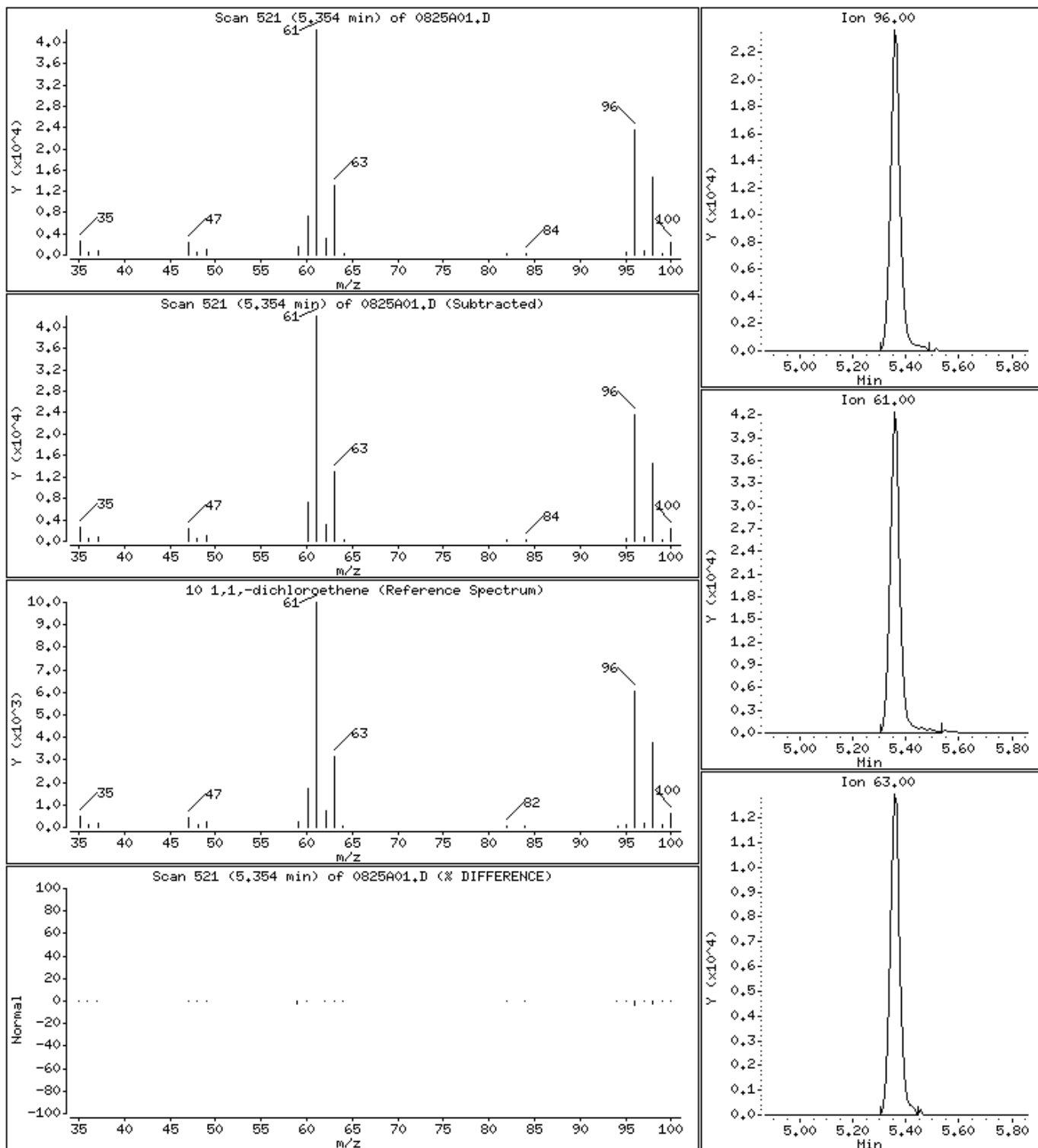
Operator: PD

Column phase:

Column diameter: 0.18

10 1,1,-dichloroethene

Concentration: 106,680 ngs



Date : 25-AUG-2010 08:21

Client ID:

Instrument: Elaine.i

Sample Info: wg429522-2,31,10

Purge Volume: 10.0

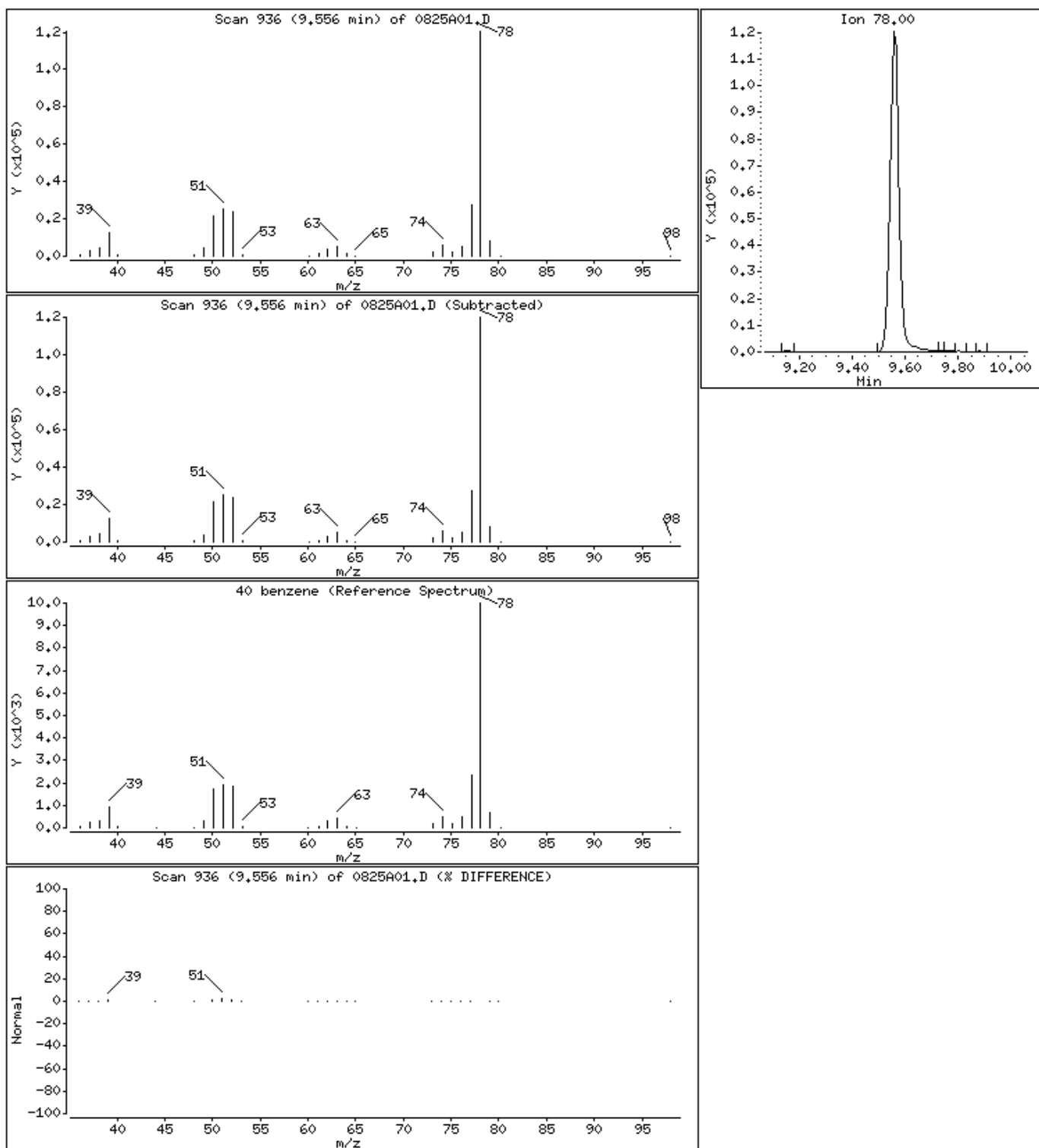
Operator: PD

Column phase:

Column diameter: 0.18

40 benzene

Concentration: 110,437 ngs



Date : 25-AUG-2010 08:21

Client ID:

Instrument: Elaine.i

Sample Info: wg429522-2,31,10

Purge Volume: 10.0

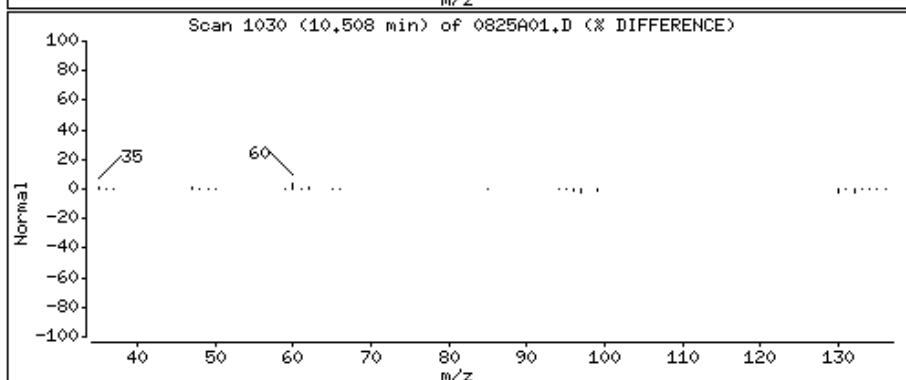
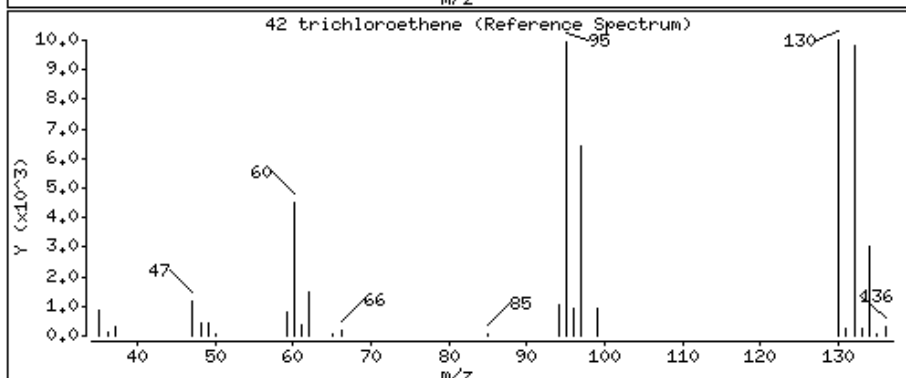
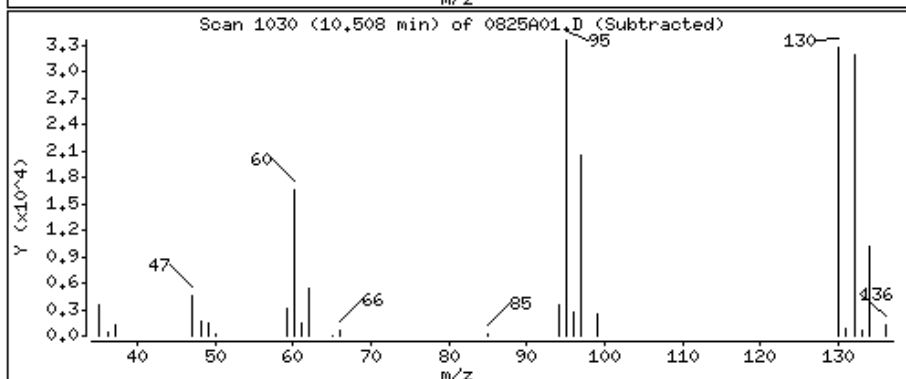
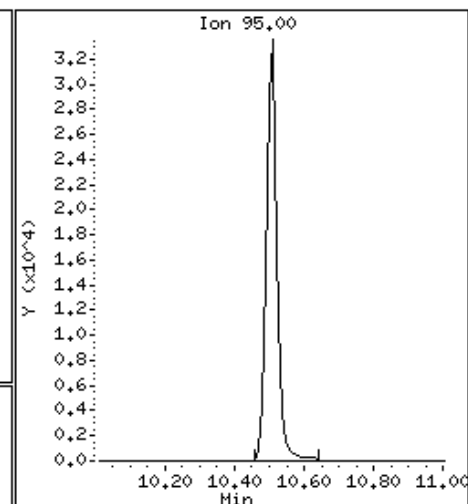
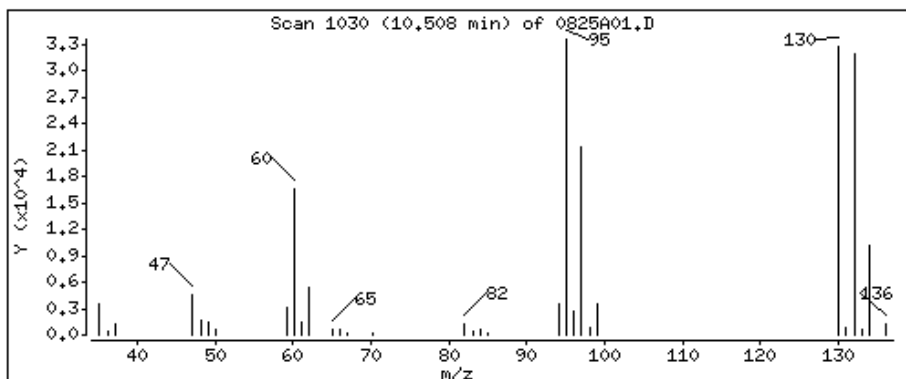
Operator: PD

Column phase:

Column diameter: 0.18

42 trichloroethene

Concentration: 107,782 ngs



Date : 25-AUG-2010 08:21

Client ID:

Instrument: Elaine.i

Sample Info: wg429522-2,31,10

Purge Volume: 10.0

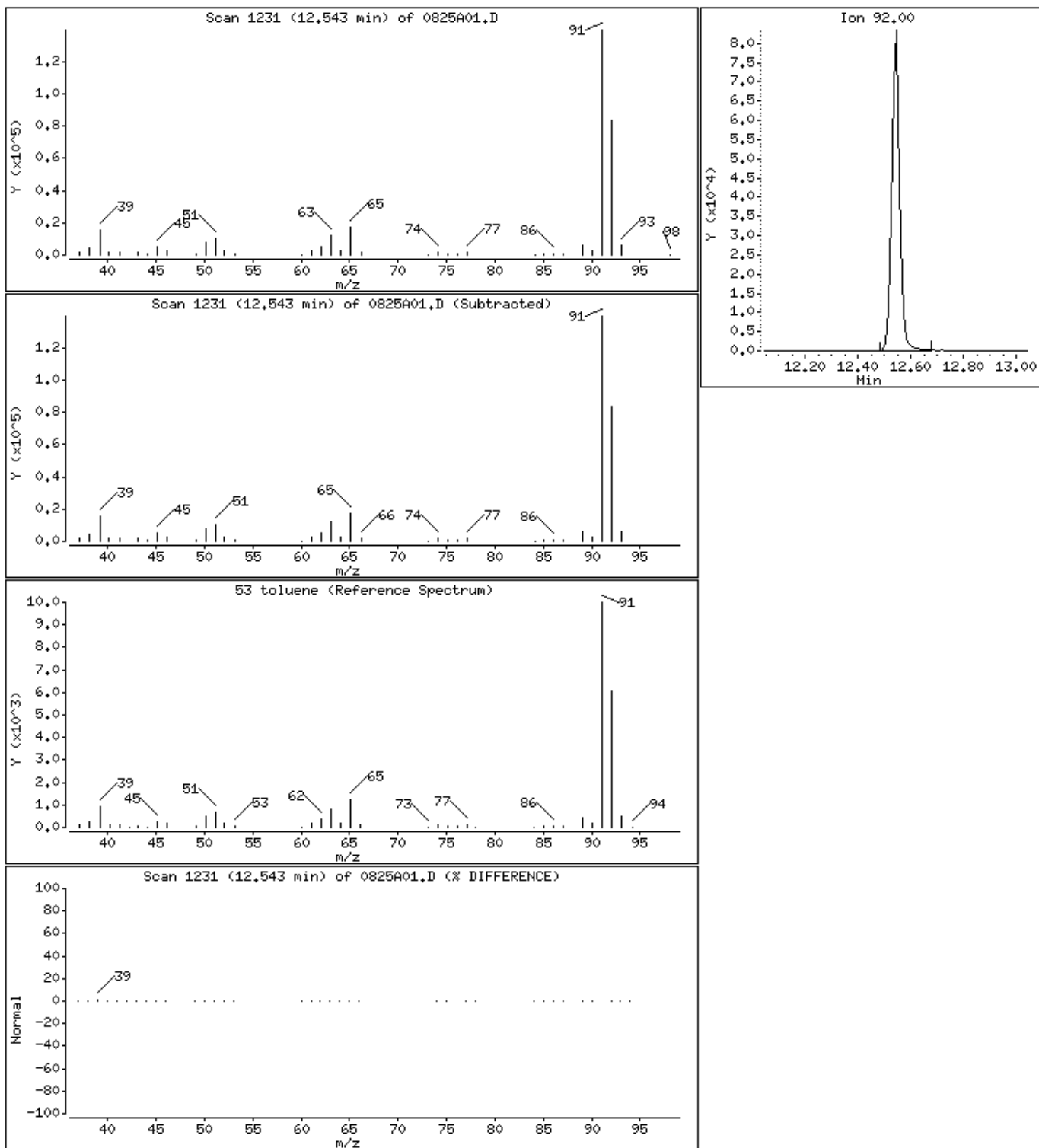
Operator: PD

Column phase:

Column diameter: 0.18

53 toluene

Concentration: 108,006 ngs



Date : 25-AUG-2010 08:21

Client ID:

Instrument: Elaine.i

Sample Info: wg429522-2,31,10

Purge Volume: 10.0

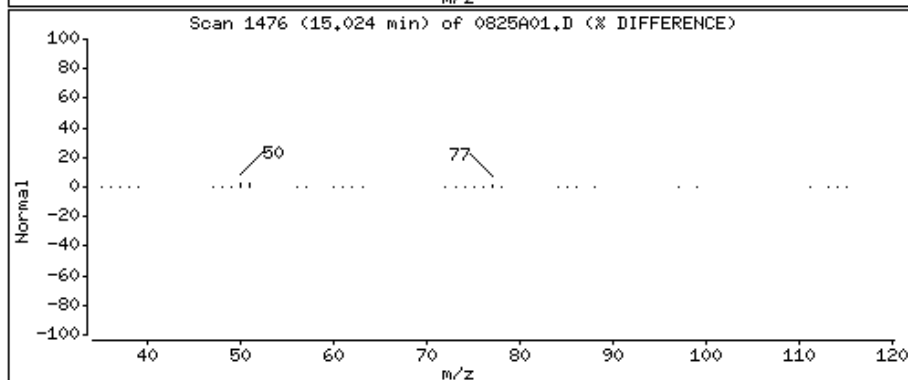
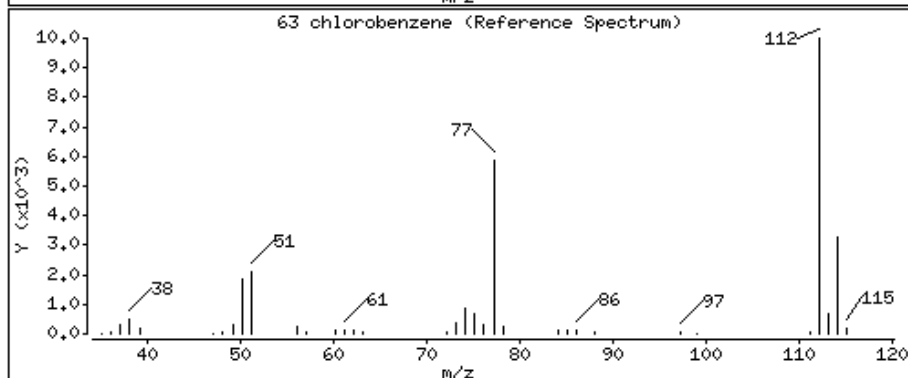
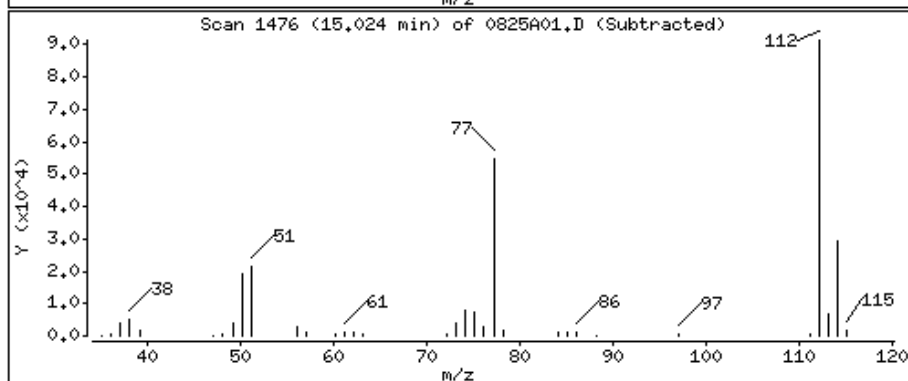
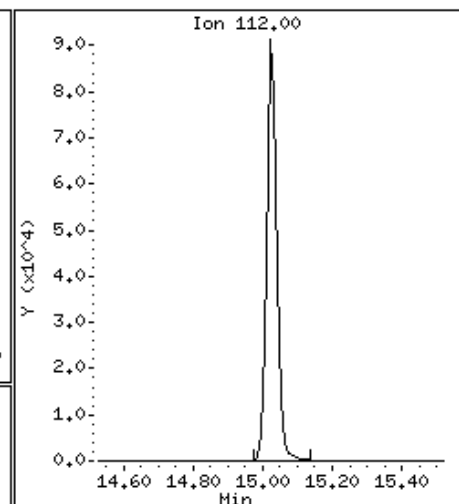
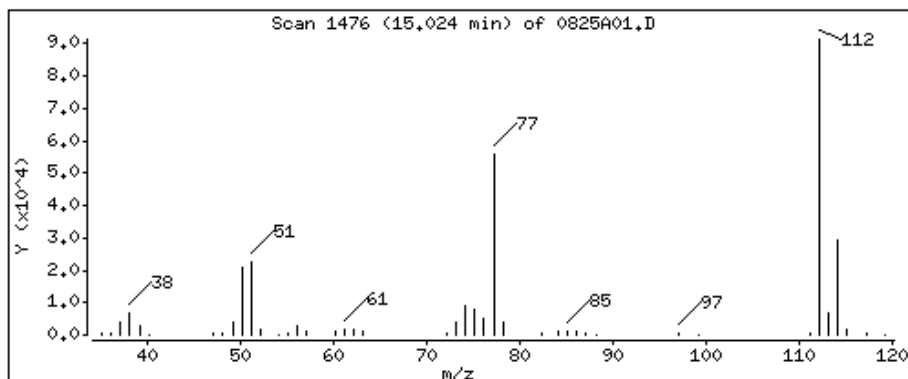
Operator: PD

Column phase:

Column diameter: 0.18

63 chlorobenzene

Concentration: 106,724 ngs



Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * Uf * (1/Vo)$

Where:

DF = Dilution Factor

Vo = Sample Volume Purged (mL)

Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: $Amt * DF * (1/Wt)$

Where:

DF = Dilution Factor

Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 26 2010, 09:41 am

Work Group: WG429522 for Department: 31 GC/MS - Volatiles

Created: 26-AUG-10 Due: Operator: PD

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1013017-01	WC-001 PZ-B	S NYTCL-8260	WATER	DONE	U	0906	0830	S0	Vial-B
L1013017-02	WC-002 TRIP BLANK	S NYTCL-8260	WATER	DONE	U	0906	0830	S0	Vial-B
L1013093-03	B-4 GW	S NYTCL-8260	WATER	DONE	U	0907	0827	1C	Vial-B
L1013093-08	B-6 GW	S NYTCL-8260	WATER	DONE	U	0907	0827	1C	Vial-B
WG429522-1	Laboratory Control S	S NYTCL-8260	WATER	DONE	U				
WG429522-2	LCS Duplicate	S NYTCL-8260	WATER	DONE	U				
WG429522-3	Laboratory Method BL	S NYTCL-8260	WATER	DONE	U				
Comments:									
WG429522-2	WG429522-1								

ELAINE.I



08/17/2010 day PD

BFB: V2954	8260 ICAL: V3057, 3058, 3060, 3059, 3061, 3032	8260 ICV: V3055, 3063, 3072, 3071, 3047, 3031	IS/SS: V3066
1 BFB TUNE 13:24	2uL		BFB0817A
1 ICAL L2	10mL		0817A01
2 ICAL L1	10mL		0817A02
3 ICAL L3	10mL		0817A03
4 ICAL L4	10mL		0817A04
5 ICAL L5	10mL		0817A05
6 ICAL L6	10mL		0817A06
7 ICAL L7	10mL		0817A07
8 BLK	10mL		0817A08
9 BLK	10mL		0817A09
10 BLK	10mL		0817A10
11 BLK	10mL		0817A11
12 ICV	10mL		0817A12
13 ICV	10mL		0817A13
14 BLK	10mL		0817A14
15 BLK	10mL		0817A15

ELAINE.I



08/25/2010 day

PD

BFB: V2954

8260 LCS: V3055, 3063, 3072, 3071, 3047, 3031

IS/SS: V3077

1 BFB TUNE 08:13	2uL	BFB0825A
1 8260 CCAL	LCSD 10mL	0825A01
2 8260 CCAL	LCS 10mL	0825A02
3 PFIZER STD	10mL	0825A03
4 METHOD BLK	10mL	0825A04
5 L1013093-03		0825A05
6 L1013093-08		0825A06
7 L1012919-07,31,10	8260 pH<2	0825A07
8 L1012919-08,31,10	8260 pH<2	0825A08
9 L1013077-04,31,10	8260 pH<2	0825A09
10 L1013017-01,31,10	NYTCL pH<2	0825A10
11 L1013017-02,31,10	NYTCL pH<2	0825A11
12 L1013090-01,31,10	8260SUB pH<2	0825A12
13 L1013090-02,31,10	8260SUB pH<2	0825A13
14 L1013090-03,31,10	8260SUB pH<2	0825A14
15 L1013090-04,31,10	8260SUB pH<2	0825A15
16 L1013090-05,31,10	8260SUB pH<2	0825A16
17 L1013090-06,31,10	8260SUB pH<2	0825A17
18 L1013090-07,31,10	8260SUB pH<2	0825A18
19 L1013093-03D,31,0.5	NYTCL pH<2	0825A19
20 L1013093-08,31,10	NYTCL pH<2	0825A20
21 BLK		0825A21

Semivolatiles Data- Method 8270C

Semivolatiles QC Summary

3C
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER SEMIVOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample - Client Sample No.: WG429159-2LCS

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
Acenaphthene	40	NA	32.	80	46-118
1,2,4-Trichlorobenzene	40	NA	28.	70	39- 98
2-Chloronaphthalene	40	NA	39.	98	40-140
1,2-Dichlorobenzene	40	NA	29.	72	40-140
1,4-Dichlorobenzene	40	NA	28.	69	36- 97
2,4-Dinitrotoluene	40	NA	39.	97*	24- 96
2,6-Dinitrotoluene	40	NA	32.	81	40-140
Fluoranthene	40	NA	36.	91	40-140
4-Chlorophenyl phenyl et	40	NA	32.	79	40-140
n-Nitrosodi-n-propylamin	40	NA	29.	73	41-116
Butyl benzyl phthalate	40	NA	37.	92	40-140
Anthracene	40	NA	34.	86	40-140
Pyrene	40	NA	34.	85	26-127
P-Chloro-M-Cresol	40	NA	32.	80	23- 97

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8270

3C
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER SEMIVOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample - Client Sample No.: WG429159-2LCS

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
2-Chlorophenol	40	NA	32.	79	27-123
2-Nitrophenol	40	NA	30.	76	30-130
4-Nitrophenol	40	NA	15.	37	10- 80
2,4-Dinitrophenol	40	NA	ND	66	20-130
Pentachlorophenol	40	NA	31.	77	9-103
Phenol	40	NA	12.	29	12-110

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8270

3C
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER SEMIVOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample Duplicate - Client Sample No.: WG429159-2LCS WG429159-3LCSD

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS	
					RPD	REC.
Acenaphthene	40	27.	68	16	30	46-118
1,2,4-Trichlorobenzene	40	18.	45	43 *	30	39- 98
2-Chloronaphthalene	40	29.	73	29	30	40-140
1,2-Dichlorobenzene	40	20.	49	38 *	30	40-140
1,4-Dichlorobenzene	40	18.	46	40 *	30	36- 97
2,4-Dinitrotoluene	40	33.	83	16	30	24- 96
2,6-Dinitrotoluene	40	30.	74	9	30	40-140
Fluoranthene	40	38.	94	3	30	40-140
4-Chlorophenyl phenyl et	40	30.	75	5	30	40-140
n-Nitrosodi-n-propylamin	40	26.	65	12	30	41-116
Butyl benzyl phthalate	40	34.	86	7	30	40-140
Anthracene	40	34.	86	0	30	40-140
Pyrene	40	33.	83	2	30	26-127
P-Chloro-M-Cresol	40	28.	71	12	30	23- 97

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8270

3C
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER SEMIVOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample Duplicate - Client Sample No.: WG429159-2LCS WG429159-3LCSD

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS	
					RPD	REC.
2-Chlorophenol	40	23.	59	29	30	27-123
2-Nitrophenol	40	26.	66	14	30	30-130
4-Nitrophenol	40	13.	32	14	30	10- 80
2,4-Dinitrophenol	40	ND	58	13	30	20-130
Pentachlorophenol	40	28.	71	8	30	9-103
Phenol	40	8.9	22	27	30	12-110

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8270

4B

WG429159-1BLANK

Time Analyzed: 07:00

[illegible]

COMMENTS: _____

5B
SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Lab File ID: dft0823n_

DFTPP Injection Date: 08/23/10

Instrument ID: Juliet.i

DFTPP Injection Time: 13:21

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
198	Base Peak, 100% relative abundance	100
51	30.0 - 60.0% of mass 198	55.6
68	Less than 2.0% of mass 69	1 (1.78)1
69	Mass 69 relative abundance	58.6
70	Less than 2.0% of mass 69	0.5 (0.91)1
127	40.0 - 60.0% of mass 198	57.5
197	Less than 1.0% of mass 198	0.6
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 30.0% of mass 198	23.3
365	Greater than 1.0% of mass 198	3.7
441	Present, but less than mass 443	68.5
442	40.0 - 100% of mass 198	84.8
443	17.0 - 23.0 of mass 442	18.7 (22.0)2

1-Value is % of mass 69 2-Value is % of mass 442

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	Tailing Factor	Tailing Factor	tailing	08/23/10	13:21
02	abn 2 lot#3556	abn 2 lot#3556	abnl1	08/23/10	13:41
03	abn 2 lot#3556 P	abn 2 lot#3556	abnl1	08/23/10	13:41
04	abn 5 lot#3556	abn 5 lot#3556	abnl2	08/23/10	14:06
05	abn 5 lot#3556	abn 5 lot#3556	abnl2	08/23/10	14:06
06	abn 10 lot#3556	abn 10 lot#355	abnl3	08/23/10	14:31
07	abn 10 lot#3556	abn 10 lot#355	abnl3	08/23/10	14:31
08	abn 20 lot#3556	abn 20 lot#355	abnl4	08/23/10	14:56
09	abn 20 lot#3556	abn 20 lot#355	abnl4	08/23/10	14:56
10	abn 50 lot#3556	abn 50 lot#355	abnl5	08/23/10	15:21
11	abn 50 lot#3556	abn 50 lot#355	abnl5	08/23/10	15:21
12	abn 100 lot#3556	abn 100 lot#35	abnl6	08/23/10	15:45
13	abn 100 lot#3556	abn 100 lot#35	abnl6	08/23/10	15:45
14	abn 150 lot#3556	abn 150 lot#35	abnl7	08/23/10	16:10
15	abn 150 lot#3556	abn 150 lot#35	abnl7	08/23/10	16:10
16	abn 200 lot#3556	abn 200 lot#35	abnl8	08/23/10	16:35
17	abn 200 lot#3556	abn 200 lot#35	abnl8	08/23/10	16:35
18	ap9 2 lot# 3557	ap9 2 lot# 355	ap9l1	08/23/10	17:00
19	ap9 2 lot#3557	ap9 2 lot#3557	ap9l1	08/23/10	17:00
20	ap9 5lot#3557	ap9 5lot#3557	ap9l2	08/23/10	17:24
21	ap9 5lot#3557 P	ap9 5lot#3557	ap9l2	08/23/10	17:24
22	ap9 10 lot#3557	ap9 10 lot#355	ap9l3	08/23/10	17:49
23	ap9 10 lot#3557	ap9 10 lot#355	ap9l3	08/23/10	17:49
24	ap9 20 lot#3557	ap9 20 lot#355	ap9l4	08/23/10	18:14
25	ap9 20 lot#3557	ap9 20 lot#355	ap9l4	08/23/10	18:14
26	ap9 50 lot#3557	ap9 50 lot#355	ap9l5	08/23/10	18:39
27	ap9 50 lot#3557	ap9 50 lot#355	ap9l5	08/23/10	18:39
28	ap9 100 lot#3557	ap9 100 lot#35	ap9l6	08/23/10	19:03
29	ap9 100 lot#3557	ap9 100 lot#35	ap9l6	08/23/10	19:03

5B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Lab File ID: df0825

DFTPP Injection Date: 08/25/10

Instrument ID: Juliet.i

DFTPP Injection Time: 05:34

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
198	Base Peak, 100% relative abundance	100
51	30.0 - 60.0% of mass 198	52.4
68	Less than 2.0% of mass 69	1 (1.87)1
69	Mass 69 relative abundance	55.1
70	Less than 2.0% of mass 69	0.6 (1.01)1
127	40.0 - 60.0% of mass 198	55.1
197	Less than 1.0% of mass 198	0.5
199	5.0 - 9.0% of mass 198	7
275	10.0 - 30.0% of mass 198	24.9
365	Greater than 1.0% of mass 198	3.7
441	Present, but less than mass 443	72.7
442	40.0 - 100% of mass 198	99.2
443	17.0 - 23.0 of mass 442	21 (21.1)2

1-Value is % of mass 69	2-Value is % of mass 442

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

[illegible]

8B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Lab File ID (Standard): ap950_ccal

Date Analyzed: 25-AUG-2010

Instrument ID : Juliet.i

Time Analyzed: 06:36

[illegible]

IS1{DCB} = 1,4-DICHLOROBEZENE-D4
IS2{NPT} = NAPHTHALENE-D8
IS3{ANT} = ACENAPHTHENE-D10

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50 % of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

* Values outside of QC limits.

8C

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Lab File ID (Standard): ap950_ccal

Date Analyzed: 25-AUG-2010

Instrument ID : Juliet.i

Time Analyzed: 06:36

[illegible]

IS4 (PHN) = PHENANTHRENE-D10
IS5 (CRY) = CHRYSENE-D12
IS6 (PRY) = PERYLENE-D12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50 % of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

* Values outside of QC limits.

8B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Lab File ID (Standard): abn050_ccal

Date Analyzed: 27-AUG-2010

Instrument ID : Juliet.i

Time Analyzed: 10:37

[illegible]

IS1{DCB} = 1, 4-DICHLORO BENZENE-D4
IS2{NPT} = NAPHTHALENE-D8
IS3{ANT} = ACENAPHTHENE-D10

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50 % of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

* Values outside of QC limits.

8C

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Lab File ID (Standard): abn050_ccal

Date Analyzed: 27-AUG-2010

Instrument ID : Juliet.i

Time Analyzed: 10:37

[illegible]

IS4 (PHN) = PHENANTHRENE-D10
IS5 (CRY) = CHRYSENE-D12
IS6 (PRY) = PERYLENE-D12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50 % of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

* Values outside of QC limits.

Liability

Approved

Page 1 of 3	
Test:	H
Date:	10/27, 11/3, 5/26/08, 1/27, 12/28/2008
Instrument:	BUFF, JMS, GC/MS
Prep Method:	SP4 25100
Prep Chemist:	JAE AD B

[illegible]

Technical Director: 

Semivolatile Sample Data

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RTX-5

Matrix: (soil/water) WATER

Lab Sample ID: L1013017-01

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: 13017-01

Level: (low/med) LOW

Date Received: 08/23/10

% Solids: N/A

Date Extracted: 24-AUG-10

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/27/10 16:08

Injection Volume: 1 (uL)

Dilution Factor: 1

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION Result	UNITS: ug/L RL	MDL	Q
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	--	U
111-44-4	Bis(2-chloroethyl)ether	ND	5.0	--	U
95-50-1	1,2-Dichlorobenzene	ND	5.0	--	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	--	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	--	U
91-94-1	3,3'-Dichlorobenzidine	ND	50	--	U
121-14-2	2,4-Dinitrotoluene	ND	6.0	--	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	--	U
7005-72-3	4-Chlorophenyl phenyl ethe	ND	5.0	--	U
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	--	U
108-60-1	Bis(2-chloroisopropyl)ethe	ND	5.0	--	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	--	U
77-47-4	Hexachlorocyclopentadiene	ND	30	--	U
78-59-1	Isophorone	ND	5.0	--	U
98-95-3	Nitrobenzene	ND	5.0	--	U
86-30-6	NitrosoDiPhenylAmine(NDPA)	ND	15	--	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	--	U
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	5.0	--	U
85-68-7	Butyl benzyl phthalate	ND	5.0	--	U
84-74-2	Di-n-butylphthalate	ND	5.0	--	U
117-84-0	Di-n-octylphthalate	ND	5.0	--	U
84-66-2	Diethyl phthalate	ND	5.0	--	U
131-11-3	Dimethyl phthalate	ND	5.0	--	U
92-52-4	Biphenyl	ND	5.0	--	U
106-47-8	4-Chloroaniline	ND	5.0	--	U
88-74-4	2-Nitroaniline	ND	5.0	--	U
99-09-2	3-Nitroaniline	ND	5.0	--	U
100-01-6	4-Nitroaniline	ND	7.0	--	U
132-64-9	Dibenzofuran	ND	5.0	--	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	20	--	U
98-86-2	Acetophenone	ND	20	--	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	--	U
59-50-7	P-Chloro-M-Cresol	ND	5.0	--	U
95-57-8	2-Chlorophenol	ND	6.0	--	U

FORM I NYTCL-8270

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RTX-5

Matrix: (soil/water) WATER

Lab Sample ID: L1013017-01

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: 13017-01

Level: (low/med) LOW

Date Received: 08/23/10

% Solids: N/A

Date Extracted: 24-AUG-10

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/27/10 16:08

Injection Volume: 1 (uL)

Dilution Factor: 1

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L		MDL	Q
		Result	RL		
120-83-2-----	2,4-Dichlorophenol_____	ND	10	--	U
105-67-9-----	2,4-Dimethylphenol_____	ND	10	--	U
88-75-5-----	2-Nitrophenol_____	ND	20	--	U
100-02-7-----	4-Nitrophenol_____	ND	10	--	U
51-28-5-----	2,4-Dinitrophenol_____	ND	30	--	U
534-52-1-----	4,6-Dinitro-o-cresol_____	ND	20	--	U
108-95-2-----	Phenol_____	ND	7.0	--	U
95-48-7-----	2-Methylphenol_____	ND	6.0	--	U
108-39-4-----	3-Methylphenol/4-Methylphe_____	ND	6.0	--	U
95-95-4-----	2,4,5-Trichlorophenol_____	ND	5.0	--	U
65-85-0-----	Benzoic Acid_____	ND	50	--	U
100-51-6-----	Benzyl Alcohol_____	ND	10	--	U
86-74-8-----	Carbazole_____	ND	5.0	--	U

FORM I NYTCL-8270

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429159-1BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RTX-5

Matrix: (soil/water) WATER

Lab Sample ID: WG429159-1

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: 429159-1

Level: (low/med) LOW

Date Received:

% Solids: N/A

Date Extracted: 24-AUG-10

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/25/10 07:00

Injection Volume: 1 (uL)

Dilution Factor: 1

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L		MDL	Q
		Result	RL		
83-32-9	Acenaphthene	ND	5.0	--	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	--	U
118-74-1	Hexachlorobenzene	ND	5.0	--	U
111-44-4	Bis(2-chloroethyl)ether	ND	5.0	--	U
91-58-7	2-Chloronaphthalene	ND	6.0	--	U
95-50-1	1,2-Dichlorobenzene	ND	5.0	--	U
541-73-1	1,3-Dichlorobenzene	ND	5.0	--	U
106-46-7	1,4-Dichlorobenzene	ND	5.0	--	U
91-94-1	3,3'-Dichlorobenzidine	ND	50	--	U
121-14-2	2,4-Dinitrotoluene	ND	6.0	--	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	--	U
206-44-0	Fluoranthene	ND	5.0	--	U
7005-72-3	4-Chlorophenyl phenyl ethe	ND	5.0	--	U
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	--	U
108-60-1	Bis(2-chloroisopropyl)ethe	ND	5.0	--	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	--	U
87-68-3	Hexachlorobutadiene	ND	10	--	U
77-47-4	Hexachlorocyclopentadiene	ND	30	--	U
67-72-1	Hexachloroethane	ND	5.0	--	U
78-59-1	Isophorone	ND	5.0	--	U
91-20-3	Naphthalene	ND	5.0	--	U
98-95-3	Nitrobenzene	ND	5.0	--	U
86-30-6	NitrosoDiPhenylAmine(NDPA)	ND	15	--	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	--	U
117-81-7	Bis(2-Ethylhexyl)phthalate	ND	5.0	--	U
85-68-7	Butyl benzyl phthalate	ND	5.0	--	U
84-74-2	Di-n-butylphthalate	ND	5.0	--	U
117-84-0	Di-n-octylphthalate	ND	5.0	--	U
84-66-2	Diethyl phthalate	ND	5.0	--	U
131-11-3	Dimethyl phthalate	ND	5.0	--	U
56-55-3	Benzo(a)anthracene	ND	5.0	--	U
50-32-8	Benzo(a)pyrene	ND	5.0	--	U
205-99-2	Benzo(b)fluoranthene	ND	5.0	--	U
207-08-9	Benzo(k)fluoranthene	ND	5.0	--	U

FORM I NYTCL-8270

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429159-1BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RTX-5

Matrix: (soil/water) WATER

Lab Sample ID: WG429159-1

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: 429159-1

Level: (low/med) LOW

Date Received:

% Solids: N/A

Date Extracted: 24-AUG-10

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/25/10 07:00

Injection Volume: 1 (uL)

Dilution Factor: 1

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L		MDL	Q
		Result	RL		
218-01-9	Chrysene	ND	5.0	--	U
208-96-8	Acenaphthylene	ND	5.0	--	U
120-12-7	Anthracene	ND	5.0	--	U
191-24-2	Benzo(ghi)perylene	ND	5.0	--	U
86-73-7	Fluorene	ND	5.0	--	U
85-01-8	Phenanthrene	ND	5.0	--	U
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	--	U
193-39-5	Indeno(1,2,3-cd)Pyrene	ND	7.0	--	U
129-00-0	Pyrene	ND	5.0	--	U
92-52-4	Biphenyl	ND	5.0	--	U
106-47-8	4-Chloroaniline	ND	5.0	--	U
88-74-4	2-Nitroaniline	ND	5.0	--	U
99-09-2	3-Nitroaniline	ND	5.0	--	U
100-01-6	4-Nitroaniline	ND	7.0	--	U
132-64-9	Dibenzofuran	ND	5.0	--	U
91-57-6	2-Methylnaphthalene	ND	5.0	--	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	20	--	U
98-86-2	Acetophenone	ND	20	--	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	--	U
59-50-7	p-Chloro-M-Cresol	ND	5.0	--	U
95-57-8	2-Chlorophenol	ND	6.0	--	U
120-83-2	2,4-Dichlorophenol	ND	10	--	U
105-67-9	2,4-Dimethylphenol	ND	10	--	U
88-75-5	2-Nitrophenol	ND	20	--	U
100-02-7	4-Nitrophenol	ND	10	--	U
51-28-5	2,4-Dinitrophenol	ND	30	--	U
534-52-1	4,6-Dinitro-o-cresol	ND	20	--	U
87-86-5	Pentachlorophenol	ND	10	--	U
108-95-2	Phenol	ND	7.0	--	U
95-48-7	2-Methylphenol	ND	6.0	--	U
108-39-4	3-Methylphenol/4-Methylphe	ND	6.0	--	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	--	U
65-85-0	Benzoic Acid	ND	50	--	U
100-51-6	Benzyl Alcohol	ND	10	--	U

FORM I NYTCL-8270

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429159-1BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RTX-5

Matrix: (soil/water) WATER

Lab Sample ID: WG429159-1

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: 429159-1

Level: (low/med) LOW

Date Received:

% Solids: N/A

Date Extracted: 24-AUG-10

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/25/10 07:00

Injection Volume: 1 (uL)

Dilution Factor: 1

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L		MDL	Q
		Result	RL		
86-74-8-----	Carbazole_____	ND	5.0	--	U

FORM I NYTCL-8270

Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100827.b\13017-01.D
Lab Smp Id:
Inj Date : 27-AUG-2010 16:08
Operator : nd
Smp Info : l1013017-01,32,nytc1,rr,h1
Misc Info : wg429508,wg429159,ICAL5274
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100827.b\HP2ABNv2.m
Meth Date : 28-Aug-2010 09:47 nstonge
Cal Date : 23-AUG-2010 18:39
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: EXT-3

Inst ID: Juliet.i

Quant Type: ISTD
Cal File: ap9l5.D

Compound Sublist: 8270nytc1combo.sub

Concentration Formula: Amt * DF * 1000 * 1/Vo*vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Sample Volume Extracted (mL)
vf	1.000	Extract Final Volume (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT	SIG						CONCENTRATIONS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 3 2-Fluorophenol	112			3.075	3.075	(0.743)	47953	11.7774	11.8	
\$ 7 Phenol-d6	99			3.872	3.867	(0.935)	36339	7.36423	7.36	
8 Phenol	94						Compound Not Detected.			
11 Bis(2-chloroethyl)ether	93						Compound Not Detected.			
12 2-Chlorophenol	128						Compound Not Detected.			
13 1,3-Dichlorobenzene	146						Compound Not Detected.			
* 15 1,4-Dichlorobenzene-d4	152			4.140	4.140	(1.000)	136997	40.0000		
16 1,4-Dichlorobenzene	146						Compound Not Detected.			
17 Benzyl alcohol	79						Compound Not Detected.			
18 1,2-Dichlorobenzene	146						Compound Not Detected.			
19 2-Methylphenol	108						Compound Not Detected.			
20 Bis(2-chloroisopropyl)ether	45						Compound Not Detected.			
22 3-Methylphenol/4-Methylphenol	108						Compound Not Detected.			
23 Acetophenone	105						Compound Not Detected.			
24 n-Nitrosodi-n-propylamine	70						Compound Not Detected.			
\$ 28 Nitrobenzene-d5	82			4.616	4.616	(1.115)	67839	15.8033	15.8	
29 Nitrobenzene	77						Compound Not Detected.			
30 Isophorone	82						Compound Not Detected.			
32 2-Nitrophenol	139						Compound Not Detected.			
33 2,4-Dimethylphenol	107						Compound Not Detected.			
36 Bis(2-chloroethoxy)methane	93						Compound Not Detected.			
34 Benzoic acid	105						Compound Not Detected.			

Compounds	QUANT SIG MASS					CONCENTRATIONS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
37 2,4-Dichlorophenol	162	Compound Not Detected.						
38 1,2,4-Trichlorobenzene	180	Compound Not Detected.						
* 39 Naphthalene-d8	136	5.242	5.242	(1.000)	557499	40.0000		
43 4-Chloroaniline	65	Compound Not Detected.						
50 p-Chloro-m-cresol	107	Compound Not Detected.						
54 1,2,4,5-Tetrachlorobenzene	216	Compound Not Detected.						
55 Hexachlorocyclopentadiene	237	Compound Not Detected.						
56 2,4,6-Trichlorophenol	196	Compound Not Detected.						
57 2,4,5-Trichlorophenol	196	Compound Not Detected.						
\$ 58 2-Fluorobiphenyl	172	6.188	6.188	(1.181)	192181	15.0887	15.1	
59 Biphenyl	154	Compound Not Detected.						
62 2-Nitroaniline	138	Compound Not Detected.						
66 Dimethyl phthalate	163	Compound Not Detected.						
69 2,6-Dinitrotoluene	165	Compound Not Detected.						
72 3-Nitroaniline	138	Compound Not Detected.						
* 74 Acenaphthene-d10	164	6.777	6.782	(1.000)	400727	40.0000		
76 2,4-Dinitrophenol	184	Compound Not Detected.						
77 4-Nitrophenol	65	Compound Not Detected.						
78 Dibenzofuran	168	Compound Not Detected.						
80 2,4-Dinitrotoluene	165	Compound Not Detected.						
83 Diethyl phthalate	149	Compound Not Detected.						
84 4-Chlorophenyl phenyl ether	204	Compound Not Detected.						
86 4-Nitroaniline	138	Compound Not Detected.						
87 4,6-Dinitro-o-cresol	198	Compound Not Detected.						
88 NDPA/DPA	169	Compound Not Detected.						
\$ 91 2,4,6-Tribromophenol	330	7.477	7.477	(0.925)	151544	35.2788	35.3	
94 4-Bromophenyl phenyl ether	248	Compound Not Detected.						
* 102 Phenanthrene-d10	188	8.082	8.082	(1.000)	718797	40.0000		
106 Carbazole	167	Compound Not Detected.						
109 Di-n-butylphthalate	149	Compound Not Detected.						
\$ 120 4-Terphenyl-d14	244	9.579	9.579	(1.185)	364519	18.9523	19.0	
122 Butyl benzyl phthalate	149	Compound Not Detected.						
127 3,3'-Dichlorobenzidine	252	Compound Not Detected.						
* 129 Chrysene-d12	240	10.927	10.933	(1.000)	1129172	40.0000		
132 Bis(2-ethylhexyl)phthalate	149	Compound Not Detected.						
137 Di-n-octylphthalate	149	Compound Not Detected.						
* 143 Perylene-d12	264	13.281	13.281	(1.000)	1301697	40.0000		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Juliet.i Calibration Date: 27-AUG-2010
 Lab File ID: 13017-01.D Calibration Time: 10:37
 Lab Smp Id:
 Analysis Type: SV Level: LOW
 Quant Type: ISTD Sample Type: WATER
 Operator: nd
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100827.b\HP2ABNv2.m
 Misc Info: wg429508,wg429159,ICAL5274

Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	139832	69916	279664	136997	-2.03
39 Naphthalene-d8	529204	264602	1058408	557499	5.35
74 Acenaphthene-d10	372129	186065	744258	400727	7.68
102 Phenanthrene-d10	730579	365290	1461158	718797	-1.61
129 Chrysene-d12	1119305	559653	2238610	1129172	0.88
143 Perylene-d12	1403356	701678	2806712	1301697	-7.24

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.14	3.64	4.64	4.14	-0.00
39 Naphthalene-d8	5.24	4.74	5.74	5.24	-0.00
74 Acenaphthene-d10	6.78	6.28	7.28	6.78	-0.08
102 Phenanthrene-d10	8.08	7.58	8.58	8.08	-0.00
129 Chrysene-d12	10.93	10.43	11.43	10.93	-0.05
143 Perylene-d12	13.28	12.78	13.78	13.28	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: 100827.b
 Sample Matrix: LIQUID Fraction: SV
 Lab Smp Id:
 Level: LOW Operator: nd
 Data Type: MS DATA SampleType: SAMPLE
 SpikeList File: 8270mcpspk40.spk Quant Type: ISTD
 Sublist File: 8270nytcclcombo.sub
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100827.b\HP2ABNv2.m
 Misc Info: wg429508,wg429159,ICAL5274

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 3 2-Fluorophenol	50.0	11.8	23.55	21-120
\$ 7 Phenol-d6	50.0	7.36	14.73	10-120
\$ 28 Nitrobenzene-d5	25.0	15.8	63.21	23-120
\$ 58 2-Fluorobiphenyl	25.0	15.1	60.35	15-120
\$ 91 2,4,6-Tribromophen	50.0	35.3	70.56	10-120
\$ 120 4-Terphenyl-d14	25.0	19.0	75.81	33-120

Date : 27-AUG-2010 16:08

Client ID:

Instrument: Juliet.i

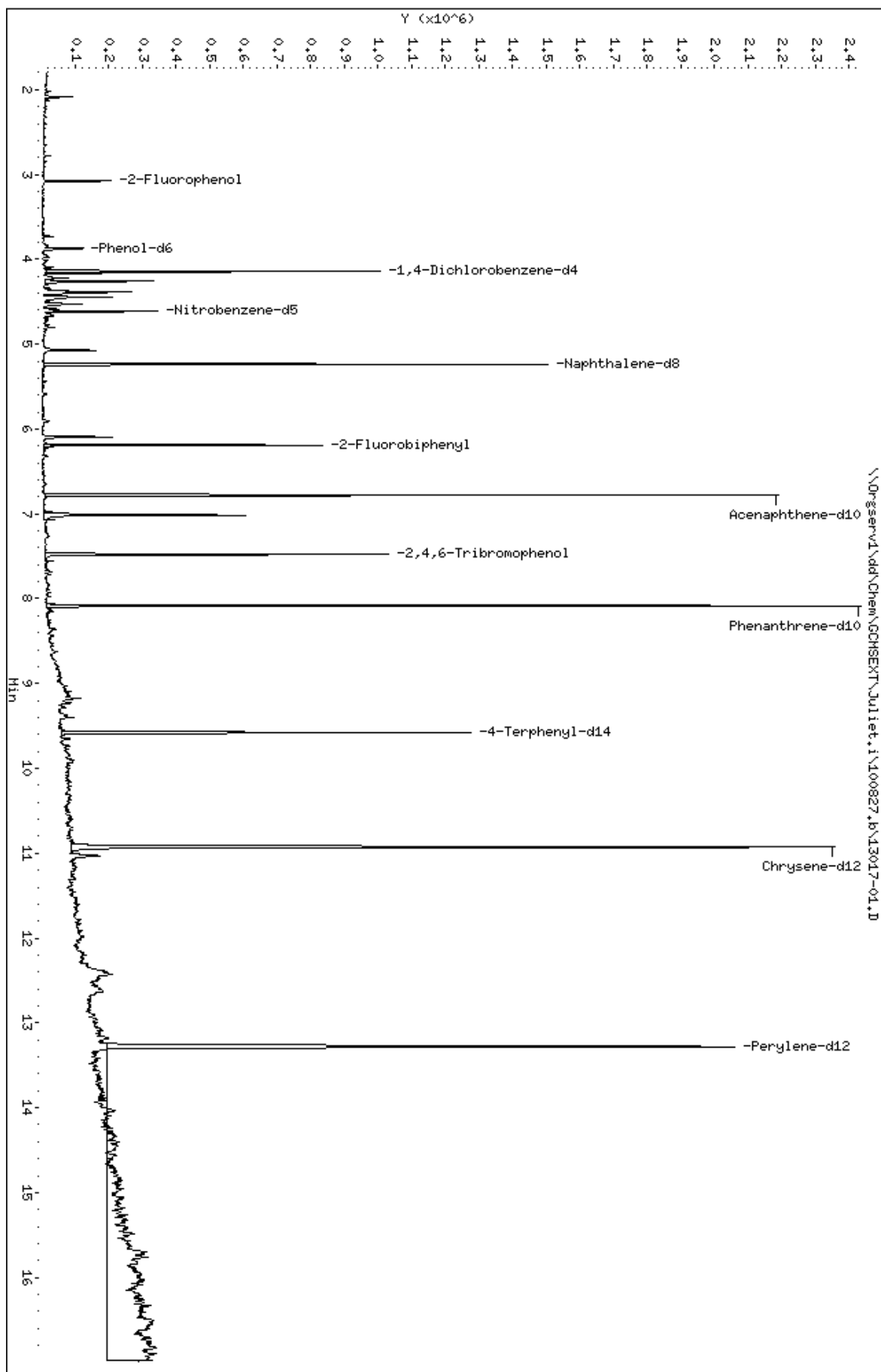
Sample Info: 11013017-01,32,ngtol,rr,h1

Purge Volume: 1000.0

Operator: nd

Column phase: RTX-5

Column diameter: 0.32



Semivolatiles Standards Data

Initial Calibration

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Calibration File Names:

Level 1: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l1.D
 Level 2: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l2.D
 Level 3: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l3.D
 Level 4: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l4.D
 Level 5: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l5.D
 Level 6: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l6.D
 Level 7: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l7.D
 Level 8: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l8.D

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	-----	-----	-----	-----	-----	-----					
	150.0000	200.0000									
	Level 7	Level 8									
=====											
1 n-Nitrosodimethylamine	0.59747	0.60889	0.59958	0.61421	0.63517	0.57729					
	0.57573	0.57314					AVRG		0.59768		3.63679

2 Pyridine	1.02358	1.04400	1.01295	1.23504	1.15105	1.09465					
	1.17593	1.13832					AVRG		1.10944		7.14182

4 Ethyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	150.0000	200.0000									
	Level 7	Level 8									
5 Benzaldehyde	++++	0.80702	0.76622	0.76635	0.83051	0.68672					
	0.54956	++++					AVRG		0.73440		14.01695
6 2-Picoline	++++	++++	++++	++++	++++	++++					
	++++	++++					AVRG		0.000e+000		0.000e+000
8 Phenol	1.52918	1.56417	1.53411	1.51250	1.42199	1.47610					
	1.34453	1.35108					AVRG		1.46671		5.78689
9 Aniline	1.72704	1.94227	1.90133	1.83413	1.71350	1.69843					
	1.72564	1.59498					AVRG		1.76716		6.54815
10 N-Nitrosomethylethylamine	++++	++++	++++	++++	++++	++++					
	++++	++++					AVRG		0.000e+000		0.000e+000
11 Bis(2-chloroethyl)ether	1.11698	1.14006	0.96622	1.12978	0.94030	0.94833					
	0.99109	0.95024					AVRG		1.02287		8.73554
12 2-Chlorophenol	1.39404	1.34824	1.40567	1.38507	1.35429	1.36880					
	1.27317	1.24603					AVRG		1.34691		4.28170

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	-----	-----	-----	-----	-----	-----					
	150.0000	200.0000									
	Level 7	Level 8									
=====											
13 1,3-Dichlorobenzene	1.65279	1.62584	1.65961	1.45873	1.53169	1.46417					
	1.38299	1.34376					AVRG		1.51495		8.08293

14 Methyl methanesulfonate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

16 1,4-Dichlorobenzene	1.73899	1.63144	1.62152	1.57266	1.60091	1.41561					
	1.38578	1.32004					AVRG		1.53587		9.43149

17 Benzyl alcohol	0.97555	0.96791	1.00953	1.06746	1.02216	1.01066					
	1.01935	0.94180					AVRG		1.00180		3.88590

18 1,2-Dichlorobenzene	1.47654	1.52640	1.58470	1.49366	1.48630	1.38103					
	1.36021	1.23736					AVRG		1.44328		7.66117

19 2-Methylphenol	1.01918	1.18767	1.18029	1.10338	1.15844	1.13205					
	1.16386	1.06225					AVRG		1.12589		5.33543

20 Bis(2-chloroisopropyl)ether	1.10062	1.11354	1.07950	1.02387	1.01033	0.95850					
	0.96878	0.88780					AVRG		1.01787		7.67710

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	150.0000	200.0000									
	Level 7	Level 8									
21 N-Nitrosodiethylamine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
22 3-Methylphenol/4-Methylphenol	1.24688	1.26975	1.26977	1.20812	1.22080	1.24198					
	1.20485	1.20013					AVRG		1.23278		2.29764
23 Acetophenone	2.01225	1.68383	1.59338	1.63225	1.71178	1.42744					
	1.39284	1.44137					AVRG		1.61189		12.56807
24 n-Nitrosodi-n-propylamine	0.73009	0.81654	0.85997	0.87907	0.82759	0.76138					
	0.76673	0.74582					AVRG		0.79840		6.90645
25 m-Toluidine	1.10957	0.98795	0.94213	0.93059	0.94805	0.83667					
	0.75665	0.76681					AVRG		0.90980		13.01869
26 Hexachloroethane	0.62550	0.67379	0.65191	0.59026	0.61120	0.60434					
	0.57289	0.54355					AVRG		0.60918		6.87462
27 Ethyl methanesulfonate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	150.0000	200.0000									
	Level 7	Level 8									
29 Nitrobenzene	0.35937	0.37176	0.33774	0.32365	0.33340	0.30670					
	0.28243	0.26632					AVRG		0.32267		11.20448
30 Isophorone	2.25075	2.32912	2.21171	2.27527	2.29011	2.12951					
	2.17208	2.02613					AVRG		2.21058		4.46686
31 2-Chloroaniline	2.07222	1.84010	1.69173	1.67433	1.64405	1.54345					
	1.48706	1.38250					AVRG		1.66693		12.90535
32 2-Nitrophenol	0.66759	0.77044	0.77782	0.75091	0.81500	0.79730					
	0.78108	0.74873					AVRG		0.76361		5.84228
33 2,4-Dimethylphenol	1.31840	1.37099	1.33463	1.34658	1.33837	1.23268					
	1.27438	1.15348					AVRG		1.29619		5.59077
34 Benzoic acid	+++++	+++++	+++++	0.26566	0.27642	0.27834					
	0.26307	0.25723					AVRG		0.26814		3.35469
35 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

FORM VI-GC/MS SEMI

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SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

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Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	150.0000	200.0000									
	Level 7	Level 8									
36 Bis(2-chloroethoxy)methane	1.42488	1.41955	1.44433	1.38594	1.32312	1.21453					
	1.22201	1.17621					AVRG		1.32632		8.15090
37 2,4-Dichlorophenol	0.36242	0.37464	0.35208	0.34251	0.34737	0.32471					
	0.30132	0.27899					AVRG		0.33550		9.55898
38 1,2,4-Trichlorobenzene	0.44512	0.47391	0.42859	0.41186	0.41860	0.38750					
	0.34739	0.32125					AVRG		0.40428		12.46649
40 Naphthalene	1.15277	1.15944	0.99294	1.05204	1.01585	0.91331					
	0.81005	++++					AVRG		1.01377		12.34900
41 3-Chloroaniline	++++	0.11484	0.10437	0.09869	0.09435	0.09355					
	0.07878	0.07735					AVRG		0.09456		14.12770
42 a-Terpineol	0.16505	0.12797	0.14016	0.14046	0.12965	0.13826					
	0.12336	0.12680					AVRG		0.13646		9.72824
43 4-Chloroaniline	0.12981	0.12546	0.10685	0.11371	0.11466	0.10055					
	0.09905	0.09325					AVRG		0.11042		11.68446

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SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

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Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	150.0000	200.0000									
	Level 7	Level 8									
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
44 Hexachlorobutadiene	0.28336	0.29762	0.27733	0.25850	0.26250	0.24734					
	0.21856	0.21471					AVRG		0.25749		11.51058
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
45 N-Nitrosopyrrolidine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
46 1-chloro-2-nitrobenzene	0.67324	0.51979	0.55371	0.54231	0.58964	0.52229					
	0.48386	0.49250					AVRG		0.54717		11.16565
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
47 Caprolactam	0.12455	0.11233	0.11309	0.10248	0.11522	0.11441					
	0.10619	0.10605					AVRG		0.11179		6.18174
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
48 N-Nitrosomorpholine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
49 o-Toluidine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
50 p-Chloro-m-cresol	0.34057	0.35811	0.30816	0.32348	0.32115	0.30073					
	0.26846	0.26998					AVRG		0.31133		10.12627
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

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Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	150.0000	200.0000									
	Level 7	Level 8									
51 2-Methylnaphthalene	0.79284	0.82110	0.77087	0.79072	0.75901	0.66786					
	0.62090	0.54491					AVRG		0.72103		13.65194
52 N-Nitrosodipiperidine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
53 1-Methylnaphthalene	0.29046	0.29601	0.27914	0.26875	0.27463	0.23627					
	0.21229	0.19858					AVRG		0.25702		14.27418
54 1,2,4,5-Tetrachlorobenzene	0.72473	0.65518	0.68147	0.62464	0.65906	0.62571					
	0.54957	0.51946					AVRG		0.62998		10.70471
55 Hexachlorocyclopentadiene	0.21076	0.25711	0.25591	0.28288	0.32826	0.29621					
	0.30328	0.27790					AVRG		0.27654		12.92983
56 2,4,6-Trichlorophenol	0.28133	0.30721	0.29165	0.30340	0.29705	0.27319					
	0.26175	0.23363					AVRG		0.28115		8.74792
57 2,4,5-Trichlorophenol	0.30632	0.34197	0.31471	0.30413	0.31673	0.29304					
	0.28546	0.25797					AVRG		0.30254		8.18225

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Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	150.0000	200.0000									
	Level 7	Level 8									
=====											
59 Biphenyl	++++	1.40351	1.49424	1.29589	1.35407	1.24061					
	1.04349	++++					AVRG		1.30530		11.89506
60 2-Chloronaphthalene	0.86631	0.83606	0.74756	0.79941	0.75407	0.66797					
	0.61638	++++					AVRG		0.75539		11.81305
61 a,a-Dimethylphenethylamine	++++	++++	++++	++++	++++	++++					
	++++	++++					AVRG		0.000e+000		0.000e+000
62 2-Nitroaniline	0.25558	0.25921	0.24935	0.27313	0.27428	0.25743					
	0.25137	0.23721					AVRG		0.25720		4.75621
63 2,6-Dichlorophenol	++++	++++	++++	++++	++++	++++					
	++++	++++					AVRG		0.000e+000		0.000e+000
64 Hexachloropropene	++++	++++	++++	++++	++++	++++					
	++++	++++					AVRG		0.000e+000		0.000e+000
65 1,4-Dinitrobenzene	0.13818	0.15220	0.16352	0.17256	0.19589	0.17820					
	0.19112	0.18246					AVRG		0.17177		11.41725

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Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	150.0000	200.0000									
	Level 7	Level 8									
66 Dimethyl phthalate	1.41940	1.56679	1.35731	1.43027	1.32944	1.22353					
	1.17931	1.04702					AVRG		1.31913		12.42470
67 1,3-Dinitrobenzene	0.16857	0.21572	0.18815	0.21137	0.22562	0.21992					
	0.21566	0.20180					AVRG		0.20585		9.23993
68 1,2-Dinitrobenzene	0.10648	0.14719	0.12190	0.12938	0.13676	0.12458					
	0.11963	0.11167					AVRG		0.12470		10.53574
69 2,6-Dinitrotoluene	0.20071	0.22697	0.20145	0.23446	0.20848	0.20572					
	0.19820	0.18904					AVRG		0.20813		7.30273
70 Acenaphthylene	1.36331	1.42954	1.19421	1.25441	1.20789	1.02560					
	0.93629	++++					AVRG		1.20161		14.50851
71 Nitrosodi-n-butylamine	++++	++++	++++	++++	++++	++++					
	++++	++++					AVRG		0.000e+000		0.000e+000
72 3-Nitroaniline	0.31527	0.35393	0.34078	0.35279	0.35256	0.32912					
	0.33377	0.31077					AVRG		0.33612		5.05255

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	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	-----	-----	-----	-----	-----	-----					
	150.0000	200.0000									
	Level 7	Level 8									
=====											
73 1,4-Phenylenediamine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

75 Acenaphthene	1.10831	1.23703	1.13723	1.04966	1.00909	0.97614					
	0.91570	0.82841					AVRG		1.03270		12.56487

76 2,4-Dinitrophenol	1128	6375	13924	41869	136905	265782					
	459548	669335					LINR	0.13890	0.21959		0.99806

77 4-Nitrophenol	0.17986	0.20623	0.20717	0.23249	0.22991	0.20360					
	0.19460	0.17406					AVRG		0.20349		10.28002

78 Dibenzofuran	1.67618	1.80153	1.68233	1.65917	1.61310	1.37006					
	1.21440	+++++					AVRG		1.57382		13.06371

79 Isosafrole	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

80 2,4-Dinitrotoluene	0.32509	0.41450	0.40803	0.44500	0.42587	0.35590					
	0.32501	+++++					AVRG		0.38563		12.83662

FORM VI-GC/MS SEMI

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Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	150.0000	200.0000									
	Level 7	Level 8									
81 2,3,4,6-Tetrachlorophenol	0.33268	0.42285	0.39293	0.41263	0.43472	0.41720					
	0.40934	0.37896					AVRG		0.40016		8.06716
82 2,3,5,6-Tetrachlorophenol	++++	0.47145	0.43543	0.43583	0.45979	0.40948					
	0.42949	0.38256					AVRG		0.43200		6.88822
83 Diethyl phthalate	1.46131	1.66920	1.37115	1.45656	1.40426	1.18748					
	1.14879	++++					AVRG		1.38554		12.74464
84 4-Chlorophenyl phenyl ether	0.72415	0.82495	0.72710	0.74236	0.70429	0.59702					
	0.55273	++++					AVRG		0.69609		13.23564
85 Fluorene	1.36667	1.60210	1.38155	1.40481	1.32437	1.11654					
	1.01923	++++					AVRG		1.31646		14.69439
86 4-Nitroaniline	0.28961	0.38519	0.33487	0.34406	0.34973	0.35659					
	0.34241	0.30608					AVRG		0.33857		8.74322
87 4,6-Dinitro-o-cresol	++++	++++	0.20623	0.23461	0.29224	0.28549					
	0.29313	0.25942					AVRG		0.26185		13.55783

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Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	150.0000	200.0000									
	Level 7	Level 8									
88 NDPA/DPA	1.20690	1.37856	1.23642	1.17724	1.15291	1.04388					
	1.00360	0.88552					AVRG		1.13563		13.50676
89 Azobenzene	1.06275	1.24426	1.10368	1.10605	1.10474	0.92263					
	0.89303	0.81314					AVRG		1.03129		13.76604
90 Safrole	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
92 1-Chloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
93 Diphenyl Ether	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
94 4-Bromophenyl phenyl ether	0.55553	0.59158	0.56405	0.54574	0.55862	0.50561					
	0.49697	0.43882					AVRG		0.53211		9.16076
95 1,4-Naphthoquinone	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

FORM VI-GC/MS SEMI

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Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	150.0000	200.0000									
	Level 7	Level 8									
96 Dimethoate	0.37934	0.38604	0.42280	0.39947	0.46342	0.41877					
	0.37885	0.36107					AVRG		0.40122		8.14055
97 Hexachlorobenzene	0.80320	0.85193	0.75204	0.75755	0.75540	0.70008					
	0.66324	0.58900					AVRG		0.73405		11.18855
98 Dichloran	0.18692	0.16904	0.19413	0.19847	0.22834	0.22195					
	0.19528	0.20051					AVRG		0.19933		9.42434
99 Atrazine	0.01944	0.01859	0.01810	0.02206	0.02246	0.02432					
	0.02175	0.02167					AVRG		0.02105		10.14806
100 Pentachlorophenol	4467	15149	37634	85568	266388	498816					
	814296	1150155					LINR	0.07643	0.20170		0.99963
101 Pentachloronitrobenzene	0.23294	0.21860	0.23185	0.24710	0.27174	0.24064					
	0.21102	0.20342					AVRG		0.23216		9.37891
103 Phenanthrene	1.19563	1.23863	1.18425	1.13369	1.13256	0.94138					
	0.82840	+++++					AVRG		1.09351		13.78253

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	150.0000	200.0000									
	Level 7	Level 8									
104 Anthracene	1.15079	1.29577	1.14604	1.12105	1.17892	0.96679					
	0.84219	++++					AVRG		1.10022		13.57820
105 Pentachlorobenzene	++++	++++	++++	++++	++++	++++					
	++++	++++					AVRG		0.000e+000		0.000e+000
106 Carbazole	1.09077	1.20666	1.06191	1.04304	1.13130	0.96358					
	0.82075	++++					AVRG		1.04543		11.90145
107 a-Naphthylamine	++++	++++	++++	++++	++++	++++					
	++++	++++					AVRG		0.000e+000		0.000e+000
108 b-Naphthylamine	++++	++++	++++	++++	++++	++++					
	++++	++++					AVRG		0.000e+000		0.000e+000
109 Di-n-butylphthalate	1.25490	1.43153	1.38145	1.34227	1.28886	1.04598					
	0.96690	++++					AVRG		1.24456		13.98813
110 5-Nitro-o-toluidine	++++	++++	++++	++++	++++	++++					
	++++	++++					AVRG		0.000e+000		0.000e+000

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	b	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6			m1	m2	
	150.0000	200.0000									
	Level 7	Level 8									
111 Diphenamid	0.53455	0.49584	0.48562	0.52668	0.51807	0.50660					
	0.43192	0.43139					AVRG		0.49133		8.15610
112 1,3,5-Trinitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
113 Diallyate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
114 Phenacetin	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
115 Fluoranthene	1.37264	1.43507	1.39741	1.34403	1.37336	1.13994					
	1.03092	0.97412					AVRG		1.25844		14.42691
116 4-Aminobiphenyl	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
117 Benzidine	0.80413	0.92235	0.88587	0.98513	0.90517	0.89678					
	0.84815	0.76430					AVRG		0.87648		7.93437

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000		Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	b		m1	m2	or R^2	
	150.0000	200.0000										
	Level 7	Level 8										
=====												
118 Pronamide	++++	++++	++++	++++	++++	++++						
	++++	++++					AVRG		0.000e+000		0.000e+000	
119 Pyrene	1.47679	1.66681	1.55309	1.52785	1.45578	1.24180						
	1.12577	++++					AVRG		1.43541		13.07780	
121 4-Nitroquinoline-N-oxide	++++	++++	++++	++++	++++	++++						
	++++	++++					AVRG		0.000e+000		0.000e+000	
220 3,3'-Dimethylbenzidine	++++	++++	++++	++++	++++	++++						
	++++	++++					AVRG		0.000e+000		0.000e+000	
122 Butyl benzyl phthalate	0.56818	0.64396	0.63345	0.65041	0.67704	0.62118						
	0.58960	0.54744					AVRG		0.61641		7.17874	
123 Methapyrilene	++++	++++	++++	++++	++++	++++						
	++++	++++					AVRG		0.000e+000		0.000e+000	
124 Bis (2-ethylhexyl) adipate	1.64419	1.92571	2.18136	2.45650	2.05031	1.93320						
	2.24386	1.84848					AVRG		2.03545		12.49480	

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	150.0000	200.0000									
	Level 7	Level 8									
125 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
126 Aramite	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
127 3,3'-Dichlorobenzidine	0.42137	0.49561	0.49332	0.45925	0.51876	0.45231					
	0.40176	0.38528					AVRG		0.45346		10.54791
128 Benzo(a)anthracene	1.13374	1.17329	1.10157	1.05418	1.10005	0.97065					
	0.86905	0.85942					AVRG		1.03274		11.59474
130 p-Dimethylaminoazobenzene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
131 Chrysene	1.08326	1.10884	1.09441	0.97797	0.99566	0.91216					
	0.84095	0.84148					AVRG		0.98184		11.13709
132 Bis(2-ethylhexyl)phthalate	0.56441	0.64077	0.61819	0.61845	0.60547	0.54474					
	0.53246	0.52197					AVRG		0.58081		7.80545

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	150.0000	200.0000									
	Level 7	Level 8									
=====											
133 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

135 Kepone	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

136 2-Acetylaminofluorene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

137 Di-n-octylphthalate	0.78567	0.95128	0.98249	1.00592	1.06674	0.93945					
	0.95944	0.92967					AVRG		0.95258		8.45216

138 Benzo(b)fluoranthene	1.01482	1.05877	1.02194	0.97464	1.06807	0.95648					
	0.93861	1.06344					AVRG		1.01210		5.00280

139 Benzo(k)fluoranthene	0.97408	1.13624	1.01172	1.03477	1.02763	0.93610					
	0.86892	0.78353					AVRG		0.97162		11.20877

140 Benzo(e)pyrene	0.99331	0.94819	0.95960	0.93139	0.93868	0.91205					
	0.82441	0.79623					AVRG		0.91298		7.44509

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	150.0000	200.0000									
	Level 7	Level 8									
141 Benzo(a)pyrene	0.95345	1.03938	1.00708	0.99278	1.00373	0.95256					
	0.89456	0.88489					AVRG		0.96605		5.70101
142 7,12-Dimethylbenz(a)anthrac	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
144 Perylene	1.03461	0.91790	0.94301	0.92730	0.93252	0.86062					
	0.81288	0.77628					AVRG		0.90064		9.05310
145 3-Methylcholanthrene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
146 Indeno(1,2,3-cd)pyrene	1.01147	1.12514	1.13241	1.05074	1.17238	1.09793					
	1.13651	1.18524					AVRG		1.11398		5.28081
147 Dibenzo(a,h)anthracene	0.98812	1.12213	1.12516	1.08356	1.16684	1.06848					
	0.98798	0.97596					AVRG		1.06478		6.86317
148 Dibenzo [a,j] acridine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	-----	-----	-----	-----	-----	-----					
	150.0000	200.0000									
	Level 7	Level 8									
=====											
149 Benzo(ghi)perylene	1.18646	1.17255	1.18686	1.16899	1.23577	1.11489					
	1.07839	1.08036					AVRG		1.15303		4.86751
=====											
\$ 3 2-Fluorophenol	1.22814	1.18586	1.17270	1.18322	1.19529	1.18493					
	1.18732	1.17308					AVRG		1.18882		1.47540

\$ 7 Phenol-d6	1.47626	1.54999	1.50179	1.45300	1.37705	1.42919					
	1.40585	1.33302					AVRG		1.44077		4.84313

\$ 28 Nitrobenzene-d5	1.26086	1.22439	1.30966	1.31888	1.27028	1.21623					
	1.22706	1.19960					AVRG		1.25337		3.51742

\$ 58 2-Fluorobiphenyl	0.97840	1.05360	0.91107	0.89892	0.85604	0.78507					
	+++++	+++++					AVRG		0.91385		10.24810

\$ 91 2,4,6-Tribromophenol	0.23167	0.25884	0.24166	0.24711	0.25512	0.24012					
	0.22302	0.21481					AVRG		0.23904		6.36743

\$ 120 4-Terphenyl-d14	1.03995	1.19765	1.08547	1.12798	1.05542	0.91544					
	+++++	+++++					AVRG		1.07032		8.85349

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: JULIET.I Calibration Date(s): 23-AUG-2010 23-AUG-2010

Calibration Times: 13:41 19:53

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

FORM VI-GC/MS SEMI

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2010 13:41
 End Cal Date : 23-AUG-2010 19:53
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
 Cal Date : 24-Aug-2010 12:28 hlac

Calibration File Names:

Level 1: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l1.D
 Level 2: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l2.D
 Level 3: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l3.D
 Level 4: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l4.D
 Level 5: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l5.D
 Level 6: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l6.D
 Level 7: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l7.D
 Level 8: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l8.D

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	150.0000	200.0000									
	Level 7	Level 8									
1 n-Nitrosodimethylamine	0.59747	0.60889	0.59958	0.61421	0.63517	0.57729					
	0.57573	0.57314					AVRG		0.59768		3.63679
2 Pyridine	1.02358	1.04400	1.01295	1.23504	1.15105	1.09465					
	1.17593	1.13832					AVRG		1.10944		7.14182
4 Ethyl methacrylate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2010 13:41
 End Cal Date : 23-AUG-2010 19:53
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
 Cal Date : 24-Aug-2010 12:28 hlac

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	150.0000	200.0000								
	Level 7	Level 8								
5 Benzaldehyde	+++++	0.80702	0.76622	0.76635	0.83051	0.68672				
	0.54956	+++++					AVRG		0.73440	14.01695
6 2-Picoline	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
8 Phenol	1.52918	1.56417	1.53411	1.51250	1.42199	1.47610				
	1.34453	1.35108					AVRG		1.46671	5.78689
9 Aniline	1.72704	1.94227	1.90133	1.83413	1.71350	1.69843				
	1.72564	1.59498					AVRG		1.76716	6.54815
10 N-Nitrosomethylethylamine	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
11 Bis(2-chloroethyl)ether	1.11698	1.14006	0.96622	1.12978	0.94030	0.94833				
	0.99109	0.95024					AVRG		1.02287	8.73554
12 2-Chlorophenol	1.39404	1.34824	1.40567	1.38507	1.35429	1.36880				
	1.27317	1.24603					AVRG		1.34691	4.28170

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2010 13:41
 End Cal Date : 23-AUG-2010 19:53
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
 Cal Date : 24-Aug-2010 12:28 hlac

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	150.0000 Level 7	200.0000 Level 8									
13 1,3-Dichlorobenzene	1.65279	1.62584	1.65961	1.45873	1.53169	1.46417					
	1.38299	1.34376					AVRG		1.51495		8.08293
14 Methyl methanesulfonate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
16 1,4-Dichlorobenzene	1.73899	1.63144	1.62152	1.57266	1.60091	1.41561					
	1.38578	1.32004					AVRG		1.53587		9.43149
17 Benzyl alcohol	0.97555	0.96791	1.00953	1.06746	1.02216	1.01066					
	1.01935	0.94180					AVRG		1.00180		3.88590
18 1,2-Dichlorobenzene	1.47654	1.52640	1.58470	1.49366	1.48630	1.38103					
	1.36021	1.23736					AVRG		1.44328		7.66117
19 2-Methylphenol	1.01918	1.18767	1.18029	1.10338	1.15844	1.13205					
	1.16386	1.06225					AVRG		1.12589		5.33543
20 Bis(2-chloroisopropyl)ether	1.10062	1.11354	1.07950	1.02387	1.01033	0.95850					
	0.96878	0.88780					AVRG		1.01787		7.67710

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2010 13:41
 End Cal Date : 23-AUG-2010 19:53
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
 Cal Date : 24-Aug-2010 12:28 hlac

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	150.0000	200.0000								
	Level 7	Level 8								
21 N-Nitrosodiethylamine	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
22 3-Methylphenol/4-Methylphenol	1.24688	1.26975	1.26977	1.20812	1.22080	1.24198				
	1.20485	1.20013					AVRG		1.23278	2.29764
23 Acetophenone	2.01225	1.68383	1.59338	1.63225	1.71178	1.42744				
	1.39284	1.44137					AVRG		1.61189	12.56807
24 n-Nitrosodi-n-propylamine	0.73009	0.81654	0.85997	0.87907	0.82759	0.76138				
	0.76673	0.74582					AVRG		0.79840	6.90645
25 m-Toluidine	1.10957	0.98795	0.94213	0.93059	0.94805	0.83667				
	0.75665	0.76681					AVRG		0.90980	13.01869
26 Hexachloroethane	0.62550	0.67379	0.65191	0.59026	0.61120	0.60434				
	0.57289	0.54355					AVRG		0.60918	6.87462
27 Ethyl methanesulfonate	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2010 13:41
 End Cal Date : 23-AUG-2010 19:53
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
 Cal Date : 24-Aug-2010 12:28 hlac

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	150.0000	200.0000								
	Level 7	Level 8								
29 Nitrobenzene	0.35937	0.37176	0.33774	0.32365	0.33340	0.30670				
	0.28243	0.26632					AVRG		0.32267	11.20448
30 Isophorone	2.25075	2.32912	2.21171	2.27527	2.29011	2.12951				
	2.17208	2.02613					AVRG		2.21058	4.46686
31 2-Chloroaniline	2.07222	1.84010	1.69173	1.67433	1.64405	1.54345				
	1.48706	1.38250					AVRG		1.66693	12.90535
32 2-Nitrophenol	0.66759	0.77044	0.77782	0.75091	0.81500	0.79730				
	0.78108	0.74873					AVRG		0.76361	5.84228
33 2,4-Dimethylphenol	1.31840	1.37099	1.33463	1.34658	1.33837	1.23268				
	1.27438	1.15348					AVRG		1.29619	5.59077
34 Benzoic acid	+++++	+++++	+++++	0.26566	0.27642	0.27834				
	0.26307	0.25723					AVRG		0.26814	3.35469
35 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000

Alpha Analytical Labs
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 End Cal Date : 23-AUG-2010 19:53
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
 Cal Date : 24-Aug-2010 12:28 hlac

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	150.0000	200.0000								
	Level 7	Level 8								
36 Bis(2-chloroethoxy)methane	1.42488	1.41955	1.44433	1.38594	1.32312	1.21453				
	1.22201	1.17621					AVRG		1.32632	8.15090
37 2,4-Dichlorophenol	0.36242	0.37464	0.35208	0.34251	0.34737	0.32471				
	0.30132	0.27899					AVRG		0.33550	9.55898
38 1,2,4-Trichlorobenzene	0.44512	0.47391	0.42859	0.41186	0.41860	0.38750				
	0.34739	0.32125					AVRG		0.40428	12.46649
40 Naphthalene	1.15277	1.15944	0.99294	1.05204	1.01585	0.91331				
	0.81005	++++					AVRG		1.01377	12.34900
41 3-Chloroaniline	++++	0.11484	0.10437	0.09869	0.09435	0.09355				
	0.07878	0.07735					AVRG		0.09456	14.12770
42 a-Terpineol	0.16505	0.12797	0.14016	0.14046	0.12965	0.13826				
	0.12336	0.12680					AVRG		0.13646	9.72824
43 4-Chloroaniline	0.12981	0.12546	0.10685	0.11371	0.11466	0.10055				
	0.09905	0.09325					AVRG		0.11042	11.68446

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 Cal Date : 24-Aug-2010 12:28 hlac

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	150.0000	200.0000								
	Level 7	Level 8								
44 Hexachlorobutadiene	0.28336	0.29762	0.27733	0.25850	0.26250	0.24734				
	0.21856	0.21471					AVRG		0.25749	11.51058
45 N-Nitrosopyrrolidine	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
46 1-chloro-2-nitrobenzene	0.67324	0.51979	0.55371	0.54231	0.58964	0.52229				
	0.48386	0.49250					AVRG		0.54717	11.16565
47 Caprolactam	0.12455	0.11233	0.11309	0.10248	0.11522	0.11441				
	0.10619	0.10605					AVRG		0.11179	6.18174
48 N-Nitrosomorpholine	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
49 o-Toluidine	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
50 p-Chloro-m-cresol	0.34057	0.35811	0.30816	0.32348	0.32115	0.30073				
	0.26846	0.26998					AVRG		0.31133	10.12627

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Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	150.0000 Level 7	200.0000 Level 8									
51 2-Methylnaphthalene	0.79284	0.82110	0.77087	0.79072	0.75901	0.66786					
	0.62090	0.54491					AVRG		0.72103		13.65194
52 N-Nitrosodipiperidine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
53 1-Methylnaphthalene	0.29046	0.29601	0.27914	0.26875	0.27463	0.23627					
	0.21229	0.19858					AVRG		0.25702		14.27418
54 1,2,4,5-Tetrachlorobenzene	0.72473	0.65518	0.68147	0.62464	0.65906	0.62571					
	0.54957	0.51946					AVRG		0.62998		10.70471
55 Hexachlorocyclopentadiene	0.21076	0.25711	0.25591	0.28288	0.32826	0.29621					
	0.30328	0.27790					AVRG		0.27654		12.92983
56 2,4,6-Trichlorophenol	0.28133	0.30721	0.29165	0.30340	0.29705	0.27319					
	0.26175	0.23363					AVRG		0.28115		8.74792
57 2,4,5-Trichlorophenol	0.30632	0.34197	0.31471	0.30413	0.31673	0.29304					
	0.28546	0.25797					AVRG		0.30254		8.18225

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 Cal Date : 24-Aug-2010 12:28 h1ac

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	150.0000	200.0000								
	Level 7	Level 8								
59 Biphenyl	+++++	1.40351	1.49424	1.29589	1.35407	1.24061				
	1.04349	+++++					AVRG		1.30530	11.89506
60 2-Chloronaphthalene	0.86631	0.83606	0.74756	0.79941	0.75407	0.66797				
	0.61638	+++++					AVRG		0.75539	11.81305
61 a,a-Dimethylphenethylamine	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
62 2-Nitroaniline	0.25558	0.25921	0.24935	0.27313	0.27428	0.25743				
	0.25137	0.23721					AVRG		0.25720	4.75621
63 2,6-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
64 Hexachloropropene	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
65 1,4-Dinitrobenzene	0.13818	0.15220	0.16352	0.17256	0.19589	0.17820				
	0.19112	0.18246					AVRG		0.17177	11.41725

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Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	150.0000	200.0000								
	Level 7	Level 8								
66 Dimethyl phthalate	1.41940	1.56679	1.35731	1.43027	1.32944	1.22353				
	1.17931	1.04702					AVRG		1.31913	12.42470
67 1,3-Dinitrobenzene	0.16857	0.21572	0.18815	0.21137	0.22562	0.21992				
	0.21566	0.20180					AVRG		0.20585	9.23993
68 1,2-Dinitrobenzene	0.10648	0.14719	0.12190	0.12938	0.13676	0.12458				
	0.11963	0.11167					AVRG		0.12470	10.53574
69 2,6-Dinitrotoluene	0.20071	0.22697	0.20145	0.23446	0.20848	0.20572				
	0.19820	0.18904					AVRG		0.20813	7.30273
70 Acenaphthylene	1.36331	1.42954	1.19421	1.25441	1.20789	1.02560				
	0.93629	+++++					AVRG		1.20161	14.50851
71 Nitrosodi-n-butylamine	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
72 3-Nitroaniline	0.31527	0.35393	0.34078	0.35279	0.35256	0.32912				
	0.33377	0.31077					AVRG		0.33612	5.05255

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Compound	2.0000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients			%RSD or R^2
	150.0000 Level 7	200.0000 Level 8						b	m1	m2	
73 1,4-Phenylenediamine	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
75 Acenaphthene	1.10831	1.23703	1.13723	1.04966	1.00909	0.97614					
	0.91570	0.82841					AVRG		1.03270		12.56487
76 2,4-Dinitrophenol	1128	6375	13924	41869	136905	265782					
	459548	669335					LINR	0.13890	0.21959		0.99806
77 4-Nitrophenol	0.17986	0.20623	0.20717	0.23249	0.22991	0.20360					
	0.19460	0.17406					AVRG		0.20349		10.28002
78 Dibenzofuran	1.67618	1.80153	1.68233	1.65917	1.61310	1.37006					
	1.21440	+++++					AVRG		1.57382		13.06371
79 Isosafrole	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
80 2,4-Dinitrotoluene	0.32509	0.41450	0.40803	0.44500	0.42587	0.35590					
	0.32501	+++++					AVRG		0.38563		12.83662

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Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	150.0000 Level 7	200.0000 Level 8									
81 2,3,4,6-Tetrachlorophenol	0.33268	0.42285	0.39293	0.41263	0.43472	0.41720					
	0.40934	0.37896					AVRG		0.40016		8.06716
82 2,3,5,6-Tetrachlorophenol	+++++	0.47145	0.43543	0.43583	0.45979	0.40948					
	0.42949	0.38256					AVRG		0.43200		6.88822
83 Diethyl phthalate	1.46131	1.66920	1.37115	1.45656	1.40426	1.18748					
	1.14879	+++++					AVRG		1.38554		12.74464
84 4-Chlorophenyl phenyl ether	0.72415	0.82495	0.72710	0.74236	0.70429	0.59702					
	0.55273	+++++					AVRG		0.69609		13.23564
85 Fluorene	1.36667	1.60210	1.38155	1.40481	1.32437	1.11654					
	1.01923	+++++					AVRG		1.31646		14.69439
86 4-Nitroaniline	0.28961	0.38519	0.33487	0.34406	0.34973	0.35659					
	0.34241	0.30608					AVRG		0.33857		8.74322
87 4,6-Dinitro-o-cresol	+++++	+++++	0.20623	0.23461	0.29224	0.28549					
	0.29313	0.25942					AVRG		0.26185		13.55783

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Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	150.0000	200.0000								
	Level 7	Level 8								
88 NDPA/DPA	1.20690	1.37856	1.23642	1.17724	1.15291	1.04388				
	1.00360	0.88552					AVRG		1.13563	13.50676
89 Azobenzene	1.06275	1.24426	1.10368	1.10605	1.10474	0.92263				
	0.89303	0.81314					AVRG		1.03129	13.76604
90 Safrole	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
92 1-Chloronaphthalene	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
93 Diphenyl Ether	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
94 4-Bromophenyl phenyl ether	0.55553	0.59158	0.56405	0.54574	0.55862	0.50561				
	0.49697	0.43882					AVRG		0.53211	9.16076
95 1,4-Naphthoquinone	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000

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Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	150.0000	200.0000									
	Level 7	Level 8									
96 Dimethoate	0.37934	0.38604	0.42280	0.39947	0.46342	0.41877					
	0.37885	0.36107					AVRG		0.40122		8.14055
97 Hexachlorobenzene	0.80320	0.85193	0.75204	0.75755	0.75540	0.70008					
	0.66324	0.58900					AVRG		0.73405		11.18855
98 Dichloran	0.18692	0.16904	0.19413	0.19847	0.22834	0.22195					
	0.19528	0.20051					AVRG		0.19933		9.42434
99 Atrazine	0.01944	0.01859	0.01810	0.02206	0.02246	0.02432					
	0.02175	0.02167					AVRG		0.02105		10.14806
100 Pentachlorophenol	4467	15149	37634	85568	266388	498816					
	814296	1150155					LINR	0.07643	0.20170		0.99963
101 Pentachloronitrobenzene	0.23294	0.21860	0.23185	0.24710	0.27174	0.24064					
	0.21102	0.20342					AVRG		0.23216		9.37891
103 Phenanthrene	1.19563	1.23863	1.18425	1.13369	1.13256	0.94138					
	0.82840	+++++					AVRG		1.09351		13.78253

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Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
	150.0000	200.0000									
	Level 7	Level 8									
104 Anthracene	1.15079 0.84219	1.29577 ++++	1.14604	1.12105	1.17892	0.96679	AVRG		1.10022		13.57820
105 Pentachlorobenzene	++++ ++++	++++ ++++	++++	++++	++++	++++	AVRG		0.000e+000		0.000e+000
106 Carbazole	1.09077 0.82075	1.20666 ++++	1.06191	1.04304	1.13130	0.96358	AVRG		1.04543		11.90145
107 a-Naphthylamine	++++ ++++	++++ ++++	++++	++++	++++	++++	AVRG		0.000e+000		0.000e+000
108 b-Naphthylamine	++++ ++++	++++ ++++	++++	++++	++++	++++	AVRG		0.000e+000		0.000e+000
109 Di-n-butylphthalate	1.25490 0.96690	1.43153 ++++	1.38145	1.34227	1.28886	1.04598	AVRG		1.24456		13.98813
110 5-Nitro-o-toluidine	++++ ++++	++++ ++++	++++	++++	++++	++++	AVRG		0.000e+000		0.000e+000

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Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	150.0000	200.0000									
	Level 7	Level 8									
111 Diphenamid	0.53455	0.49584	0.48562	0.52668	0.51807	0.50660					
	0.43192	0.43139					AVRG		0.49133		8.15610
112 1,3,5-Trinitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
113 Diallate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
114 Phenacetin	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
115 Fluoranthene	1.37264	1.43507	1.39741	1.34403	1.37336	1.13994					
	1.03092	0.97412					AVRG		1.25844		14.42691
116 4-Aminobiphenyl	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
117 Benzdine	0.80413	0.92235	0.88587	0.98513	0.90517	0.89678					
	0.84815	0.76430					AVRG		0.87648		7.93437

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	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	150.0000	200.0000								
	Level 7	Level 8								
118 Pronamide	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
119 Pyrene	1.47679	1.66681	1.55309	1.52785	1.45578	1.24180				
	1.12577	+++++					AVRG		1.43541	13.07780
121 4-Nitroquinoline-N-oxide	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
220 3,3'-Dimethylbenzidine	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
122 Butyl benzyl phthalate	0.56818	0.64396	0.63345	0.65041	0.67704	0.62118				
	0.58960	0.54744					AVRG		0.61641	7.17874
123 Methapyrilene	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
124 Bis (2-ethylhexyl) adipate	1.64419	1.92571	2.18136	2.45650	2.05031	1.93320				
	2.24386	1.84848					AVRG		2.03545	12.49480

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 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
 Cal Date : 24-Aug-2010 12:28 hlac

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	150.0000	200.0000								
	Level 7	Level 8								
125 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
126 Aramite	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
127 3,3'-Dichlorobenzidine	0.42137	0.49561	0.49332	0.45925	0.51876	0.45231				
	0.40176	0.38528					AVRG		0.45346	10.54791
128 Benzo(a)anthracene	1.13374	1.17329	1.10157	1.05418	1.10005	0.97065				
	0.86905	0.85942					AVRG		1.03274	11.59474
130 p-Dimethylaminoazobenzene	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
131 Chrysene	1.08326	1.10884	1.09441	0.97797	0.99566	0.91216				
	0.84095	0.84148					AVRG		0.98184	11.13709
132 Bis(2-ethylhexyl)phthalate	0.56441	0.64077	0.61819	0.61845	0.60547	0.54474				
	0.53246	0.52197					AVRG		0.58081	7.80545

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2010 13:41
 End Cal Date : 23-AUG-2010 19:53
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
 Cal Date : 24-Aug-2010 12:28 hlac

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	150.0000	200.0000									
	Level 7	Level 8									
133 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
135 Kepone	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
136 2-Acetylaminofluorene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
137 Di-n-octylphthalate	0.78567	0.95128	0.98249	1.00592	1.06674	0.93945					
	0.95944	0.92967					AVRG		0.95258		8.45216
138 Benzo(b)fluoranthene	1.01482	1.05877	1.02194	0.97464	1.06807	0.95648					
	0.93861	1.06344					AVRG		1.01210		5.00280
139 Benzo(k)fluoranthene	0.97408	1.13624	1.01172	1.03477	1.02763	0.93610					
	0.86892	0.78353					AVRG		0.97162		11.20877
140 Benzo(e)pyrene	0.99331	0.94819	0.95960	0.93139	0.93868	0.91205					
	0.82441	0.79623					AVRG		0.91298		7.44509

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2010 13:41
 End Cal Date : 23-AUG-2010 19:53
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
 Cal Date : 24-Aug-2010 12:28 hlaC

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	150.0000	200.0000								
	Level 7	Level 8								
141 Benzo(a)pyrene	0.95345	1.03938	1.00708	0.99278	1.00373	0.95256				
	0.89456	0.88489					AVRG		0.96605	5.70101
142 7,12-Dimethylbenz(a)anthrac	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
144 Perylene	1.03461	0.91790	0.94301	0.92730	0.93252	0.86062				
	0.81288	0.77628					AVRG		0.90064	9.05310
145 3-Methylcholanthrene	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000
146 Indeno(1,2,3-cd)pyrene	1.01147	1.12514	1.13241	1.05074	1.17238	1.09793				
	1.13651	1.18524					AVRG		1.11398	5.28081
147 Dibenzo(a,h)anthracene	0.98812	1.12213	1.12516	1.08356	1.16684	1.06848				
	0.98798	0.97596					AVRG		1.06478	6.86317
148 Dibenzo [a,j] acridine	+++++	+++++	+++++	+++++	+++++	+++++				
	+++++	+++++					AVRG		0.000e+000	0.000e+000

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2010 13:41
 End Cal Date : 23-AUG-2010 19:53
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
 Cal Date : 24-Aug-2010 12:28 hlac

Compound	2.0000	5.0000	10.0000	20.0000	50.0000	100.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	150.0000	200.0000								
	Level 7	Level 8								
149 Benzo(ghi)perylene	1.18646	1.17255	1.18686	1.16899	1.23577	1.11489				
	1.07839	1.08036					AVRG		1.15303	4.86751
\$ 3 2-Fluorophenol	1.22814	1.18586	1.17270	1.18322	1.19529	1.18493				
	1.18732	1.17308					AVRG		1.18882	1.47540
\$ 7 Phenol-d6	1.47626	1.54999	1.50179	1.45300	1.37705	1.42919				
	1.40585	1.33302					AVRG		1.44077	4.84313
\$ 28 Nitrobenzene-d5	1.26086	1.22439	1.30966	1.31888	1.27028	1.21623				
	1.22706	1.19960					AVRG		1.25337	3.51742
\$ 58 2-Fluorobiphenyl	0.97840	1.05360	0.91107	0.89892	0.85604	0.78507				
	+++++	+++++					AVRG		0.91385	10.24810
\$ 91 2,4,6-Tribromophenol	0.23167	0.25884	0.24166	0.24711	0.25512	0.24012				
	0.22302	0.21481					AVRG		0.23904	6.36743
\$ 120 4-Terphenyl-d14	1.03995	1.19765	1.08547	1.12798	1.05542	0.91544				
	+++++	+++++					AVRG		1.07032	8.85349

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 23-AUG-2010 13:41
End Cal Date : 23-AUG-2010 19:53
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Cal Date : 24-Aug-2010 12:28 hlac

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\deg0823n.D
Lab Smp Id: :
Inj Date : 23-AUG-2010 13:05
Operator : hl Inst ID: Juliet.i
Smp Info : deg
Misc Info :
Comment :
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\DDT.m
Meth Date : 24-Aug-2010 13:08 hlac Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 100 QC Sample: DFTPP-DEG
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
						ON-COLUMN (ng)	FINAL (ng)	
4 4,4'-DDE	246				Compound Not Detected.			
5 4,4'-DDD	235				Compound Not Detected.			
6 4,4'-DDT	235	9.938	9.939	-0.001	620081			

DDT Degradation Percent = 0.000

Data File: \\Drger\1\dd\Chem\GCHSEXT\Juliet.i\1008231cal.b\deg0823n.D

Date : 23-AUG-2010 13:05

Client ID:

Sample Info: deg

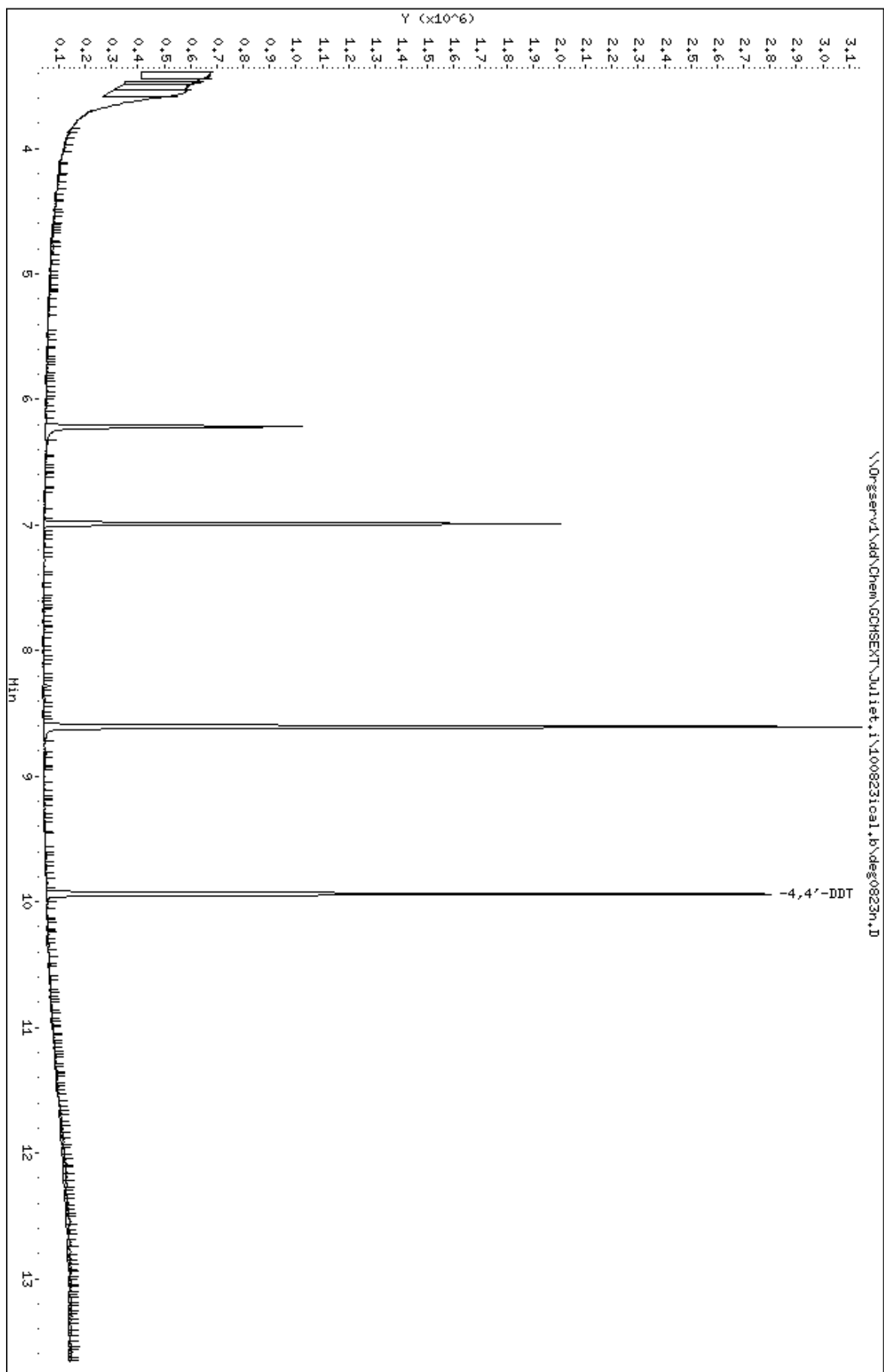
Column phase: RTX-5

Instrument: Juliet.i

Operator: hl

Column diameter: 0.32

Page 2



Alpha Analytical Labs

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\dft0823n.D
 Lab Smp Id:
 Inj Date : 23-AUG-2010 13:21
 Operator : hl Inst ID: Juliet.i
 Smp Info : dftpp
 Misc Info :
 Comment :
 Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\dftpp.m
 Meth Date : 08-Aug-2010 10:43 hlac Quant Type: ESTD
 Cal Date : 23-MAR-2005 22:57 Cal File: DEG0323A.D
 Als bottle: 100 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: ABN-6

CONCENTRATIONS									
				ON-COL		FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dftpp					CAS #: 5074-71-5				
6.991	7.248	-0.257	198	77296			0.00-	100.00	100.00
6.991	7.248	-0.257	51	42960			30.00-	60.00	55.58
6.991	7.248	-0.257	68	807			0.00-	2.00	1.78
6.991	7.248	-0.257	69	45280			0.00-	0.00	58.58
6.991	7.248	-0.257	70	411			0.00-	2.00	0.91
6.991	7.248	-0.257	127	44456			40.00-	60.00	57.51
6.991	7.248	-0.257	197	485			0.00-	1.00	0.63
6.991	7.248	-0.257	199	5018			5.00-	9.00	6.49
6.991	7.248	-0.257	275	17992			10.00-	30.00	23.28
6.991	7.248	-0.257	365	2889			1.00-	0.00	3.74
6.991	7.248	-0.257	441	9885			0.01-	99.99	68.53
6.991	7.248	-0.257	442	65520			40.00-	99.99	84.77
6.991	7.248	-0.257	443	14424			17.00-	23.00	22.01

Date : 23-AUG-2010 13:21

Client ID:

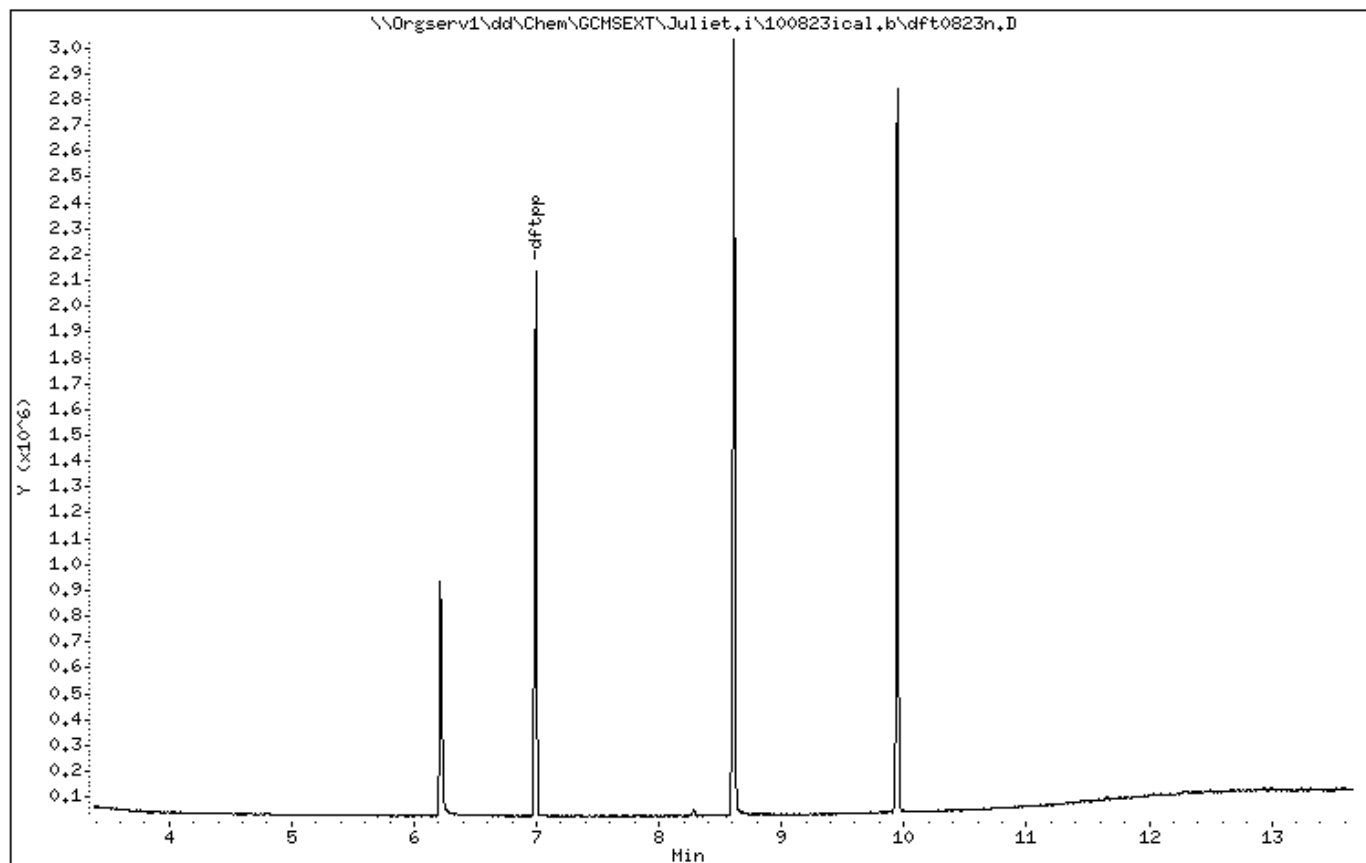
Instrument: Juliet.i

Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00



Date : 23-AUG-2010 13:21

Client ID:

Instrument: Juliet.i

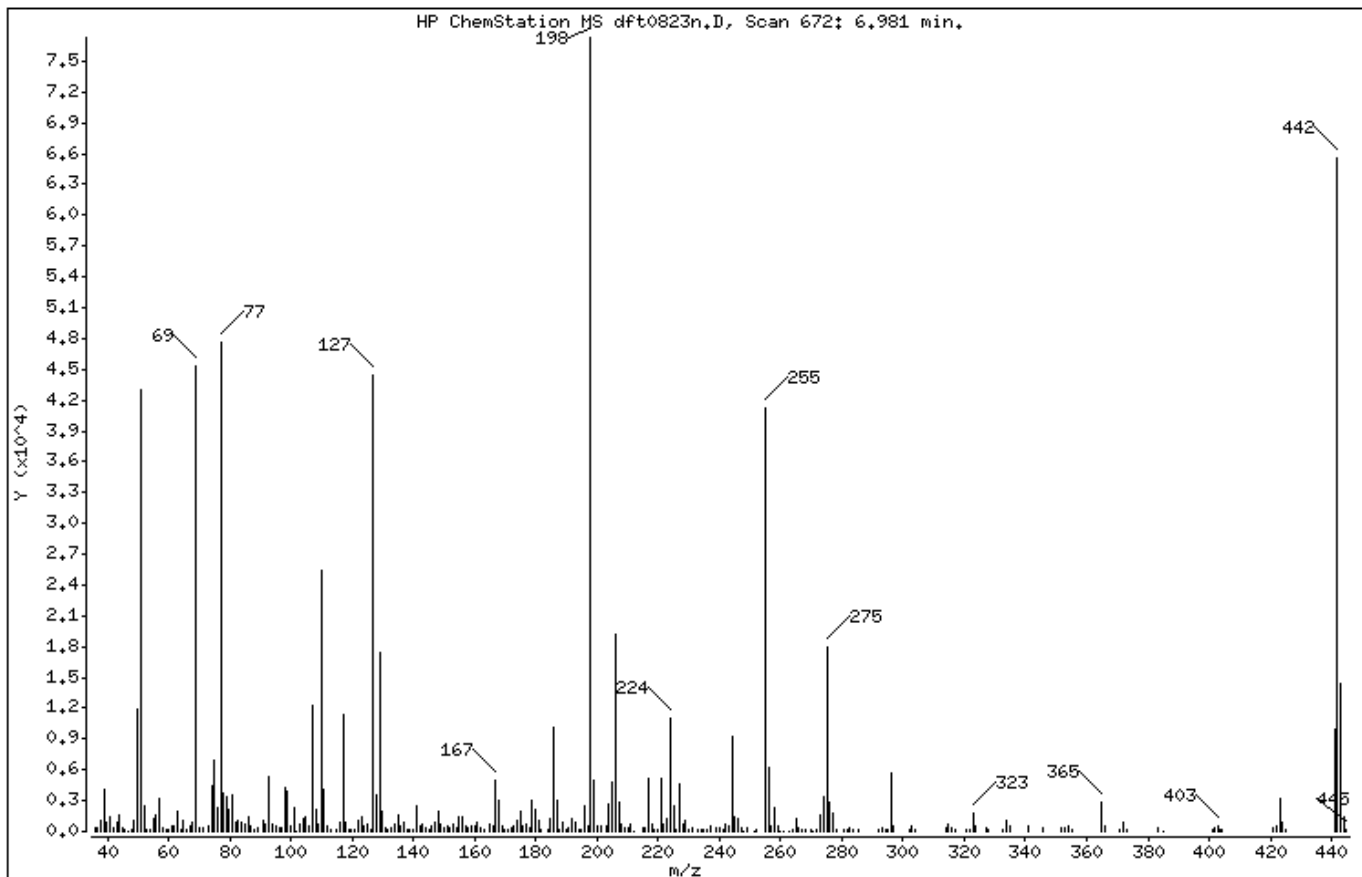
Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00

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	55.58
68	Less than 2.00% of mass 69	1.04 (1.78)
69	Mass 69 relative abundance	58.58
70	Less than 2.00% of mass 69	0.53 (0.91)
127	40.00 - 60.00% of mass 198	57.51
197	Less than 1.00% of mass 198	0.63
199	5.00 - 9.00% of mass 198	6.49
275	10.00 - 30.00% of mass 198	23.28
365	Greater than 1.00% of mass 198	3.74
441	Present, but less than mass 443	12.79
442	40.00 - 99.99% of mass 198	84.77
443	17.00 - 23.00% of mass 442	18.66 (22.01)

Date : 23-AUG-2010 13:21

Client ID:

Instrument: Juliet.i

Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00

Data File: dft0823n.D

Spectrum: HP ChemStation MS dft0823n.D, Scan 672: 6.981 min.

Location of Maximum: 197.90

Number of points: 284

m/z	Y	m/z	Y	m/z	Y	m/z	Y

35.90	364	109.90	25392	184.90	1188	265.80	307
36.70	334	110.90	4064	186.00	10183	267.00	113
38.00	1009	111.90	529	187.00	2947	267.90	143
39.00	4039	113.10	260	187.80	166	269.70	95
39.90	945	115.00	225	188.90	836	270.30	86

40.90	1354	116.00	940	189.70	229	270.80	85
42.00	444	117.00	11299	190.80	295	271.90	110
43.00	932	118.00	878	191.90	1248	272.90	1617
43.90	1628	118.80	215	192.90	968	274.00	3415
44.80	271	119.80	163	193.90	248	275.00	17992

45.90	90	120.90	259	194.80	207	275.90	2776
46.90	76	121.90	1135	195.90	2571	276.90	1730
47.90	189	122.90	1408	196.90	485	278.00	182
48.90	1048	123.90	556	197.90	77296	280.90	238
50.00	11927	125.00	658	198.90	5018	281.80	105

51.00	42960	125.90	233	199.90	458	282.70	267
52.00	2534	127.00	44456	201.20	464	283.80	126
53.00	247	128.00	3595	202.90	520	285.20	266
54.00	152	128.90	17336	204.00	2731	292.00	141
55.00	1208	129.90	1920	205.00	4849	292.90	415

56.00	1666	130.90	402	206.00	19248	294.10	205
56.90	3110	131.80	237	207.00	2920	295.00	240
58.10	268	132.80	340	207.90	638	296.00	5685
59.10	238	133.90	654	208.90	387	296.90	610
59.90	124	135.00	1667	210.00	290	302.00	117

61.00	505	136.00	487	211.00	684	303.00	620
62.00	579	137.00	818	212.00	79	304.00	211
62.90	1951	137.90	178	214.90	285	314.00	435
63.90	262	138.60	174	215.80	357	314.90	662
65.00	1044	140.10	169	216.90	5109	316.10	305

66.00	183	141.00	2414	218.00	630	316.90	96
66.90	606	142.10	605	218.80	169	320.90	158
68.00	807	142.80	640	220.00	188	321.90	123
69.00	45280	144.00	342	221.00	5191	323.00	1842
70.00	411	145.00	179	221.90	794	323.90	595

Date : 23-AUG-2010 13:21

Client ID:

Instrument: Juliet.i

Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00

Data File: dft0823n.D

Spectrum: HP ChemStation MS dft0823n.D, Scan 672: 6.981 min.

Location of Maximum: 197.90

Number of points: 284

m/z	Y	m/z	Y	m/z	Y	m/z	Y

71.00	280	145.90	457	223.00	1229	326.90	363
72.90	560	147.00	962	224.00	10954	327.80	166
74.00	4417	148.00	1958	225.00	2404	332.80	122
75.00	6864	149.00	682	225.90	203	334.00	1030
76.00	2310	150.10	322	226.90	4547	335.00	621

77.00	47624	151.10	445	227.90	783	340.90	481
78.00	3744	151.80	336	228.90	1099	345.90	417
78.90	3301	153.00	683	229.90	198	351.90	395
79.90	2202	154.00	410	230.90	274	353.00	374
81.00	3572	155.00	1482	232.70	106	353.90	617

81.90	975	156.00	1391	234.20	218	355.20	125
82.90	1085	157.00	472	234.90	214	364.90	2889
83.80	836	157.80	443	235.90	235	366.00	495
84.90	764	158.90	541	237.00	536	370.80	109
86.00	1463	160.00	560	238.90	268	372.00	925

87.00	537	161.00	973	239.90	317	373.10	231
87.90	237	161.90	362	241.00	262	383.00	271
89.10	314	163.10	263	241.90	765	384.80	77
90.90	1135	165.00	741	242.90	574	401.00	183
91.80	775	166.10	556	244.00	9185	401.90	428

93.00	5385	167.00	4916	245.00	1371	402.90	472
94.00	711	168.00	3044	245.90	1305	403.70	128
95.10	545	169.00	494	247.10	288	404.20	222
96.10	424	170.00	110	247.90	86	421.00	317
96.90	411	170.70	219	248.80	421	421.90	539

97.90	4278	172.00	338	251.60	87	423.00	3140
99.00	3896	172.80	590	252.10	107	424.00	939
100.00	470	174.00	998	255.00	41136	424.80	109
100.90	2284	175.00	1877	256.00	6231	441.00	9885
101.80	83	175.80	584	256.90	505	442.00	65520

103.10	710	177.00	749	258.00	2396	443.00	14424
103.90	1292	177.90	362	258.90	571	444.00	1384
104.90	1402	178.90	2997	259.60	83	444.90	109
106.00	464	179.90	2122	260.90	83		
107.00	12186	180.90	1034	262.80	84		

Date : 23-AUG-2010 13:21

Client ID:

Instrument: Juliet.i

Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00

Data File: dft0823n.D

Spectrum: HP ChemStation MS dft0823n.D, Scan 672: 6.981 min.

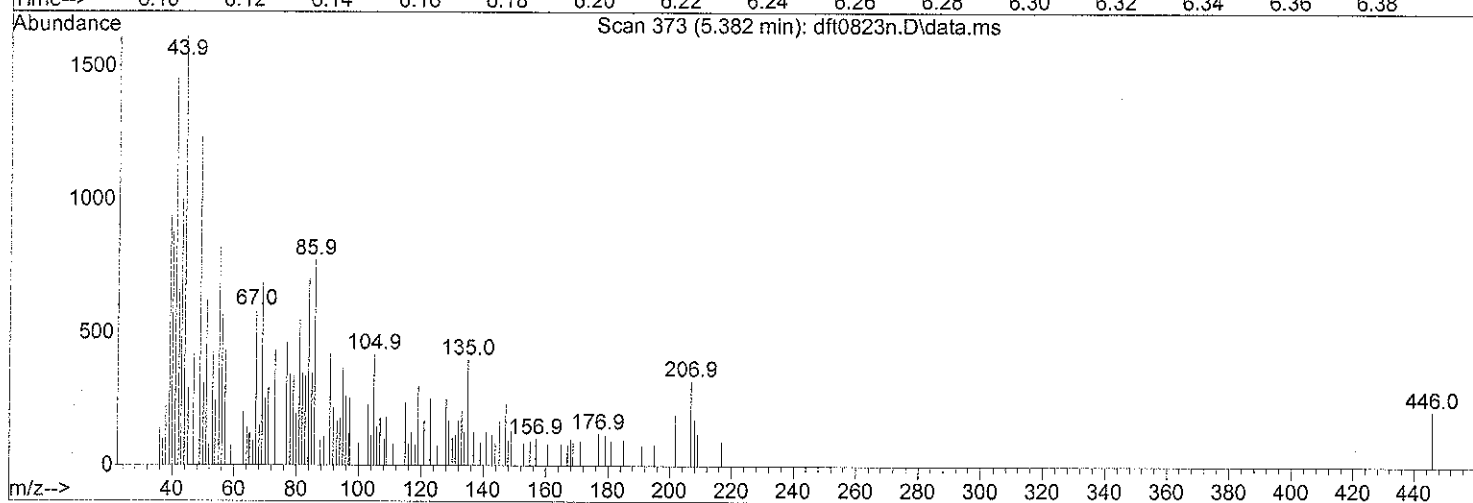
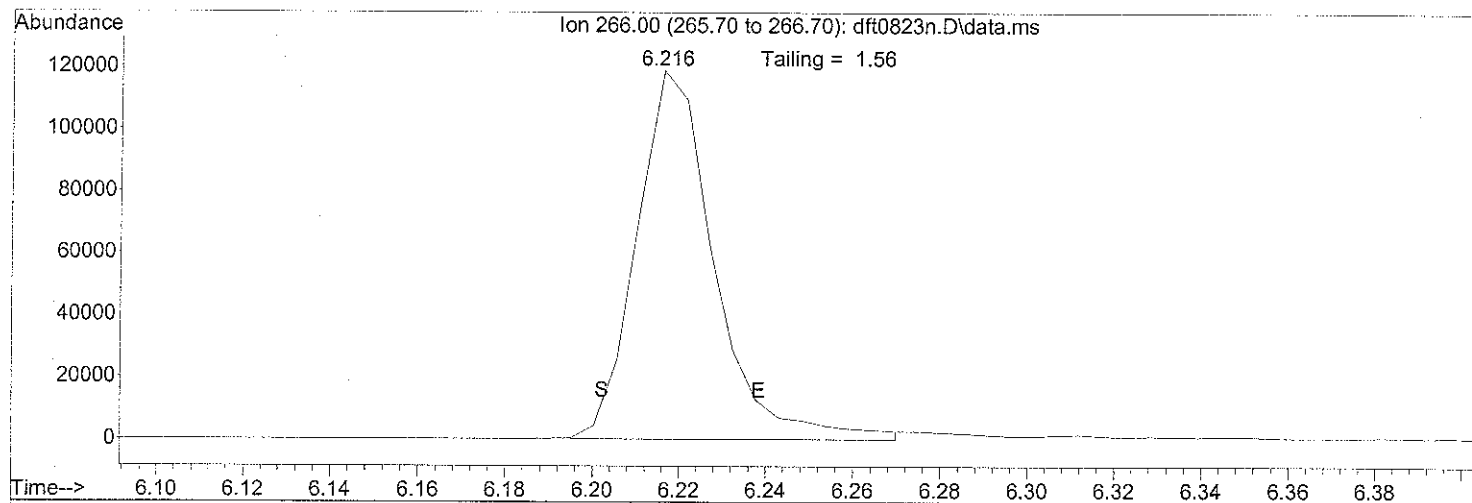
Location of Maximum: 197.90

Number of points: 284

m/z	Y	m/z	Y	m/z	Y	m/z	Y
108.00	2087	181.90	237	263.90	130		
109.00	738	183.80	238	264.90	1167		

Data Path : F:\Chem\GCMSEXT\Juliet.i\100823ical.b\
Data File : dft0823n.D
Acq On : 23 Aug 2010 1:21 pm
Operator : jlb
Sample : dftpp
Misc :
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 24 15:33:58 2010
Quant Method : C:\msdchem\1\METHODS\tailing-mork.M
Quant Title :
QLast Update : Sat Jul 24 09:19:59 2010
Response via : Initial Calibration



TIC: dft0823n.D\data.ms

(1) pentachlorophenol

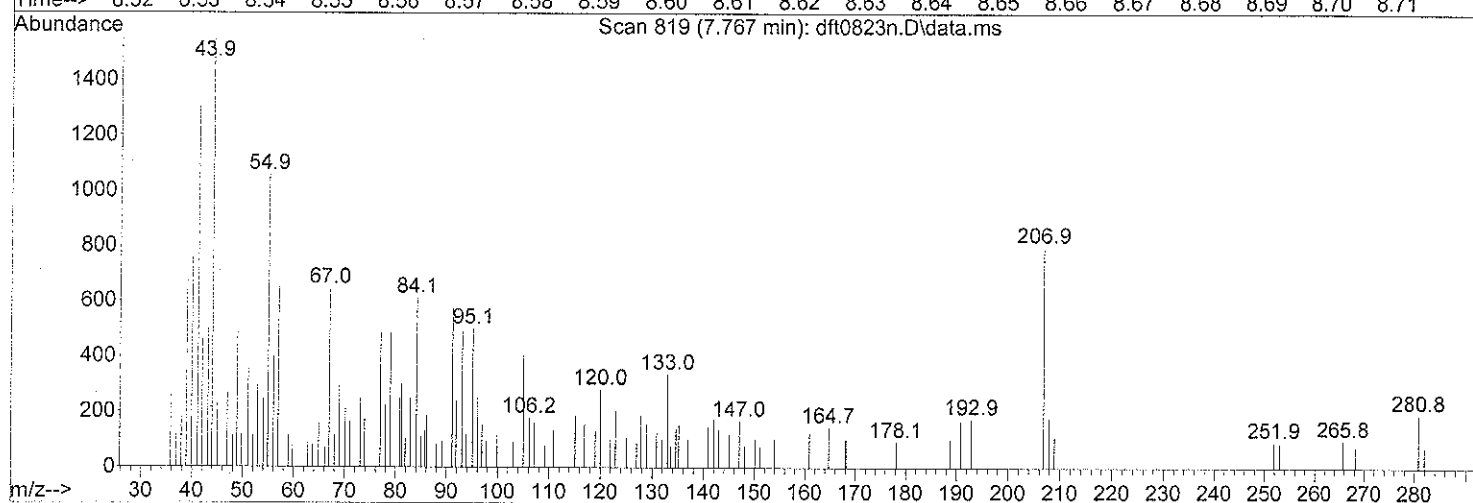
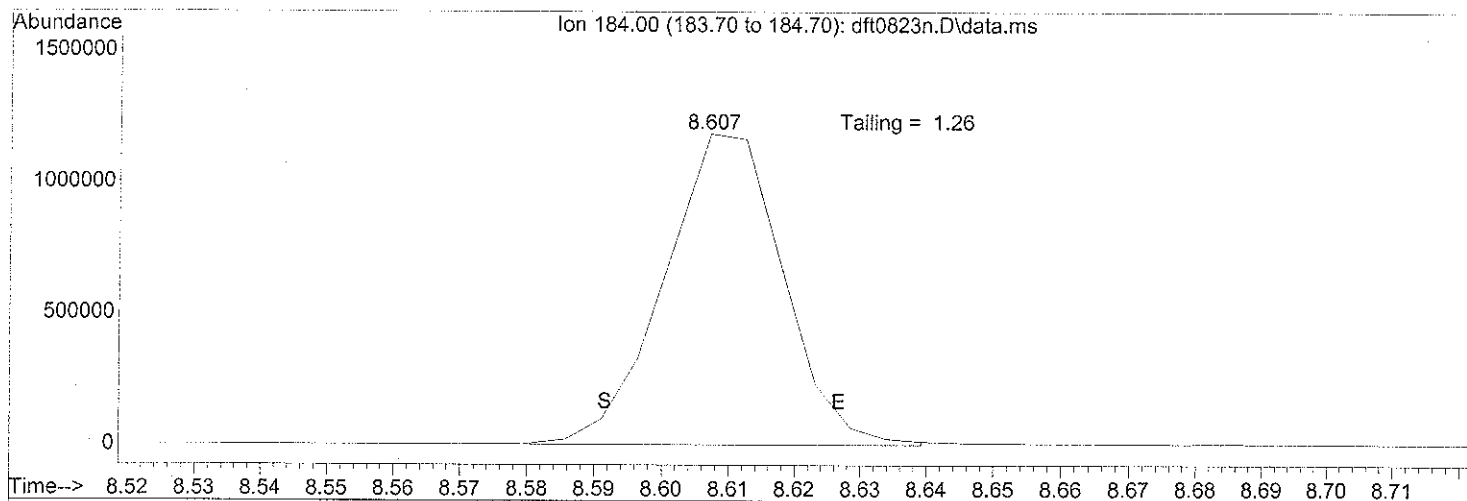
5.380min (-5.380) 0.00

response 0

Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : F:\Chem\GCMSEXT\Juliet.i\100823ical.b\
Data File : dft0823n.D
Acq On : 23 Aug 2010 1:21 pm
Operator : jlb
Sample : dftpp
Misc :
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 24 15:33:58 2010
Quant Method : C:\msdchem\1\METHODS\tailing-mork.M
Quant Title :
QLast Update : Sat Jul 24 09:19:59 2010
Response via : Initial Calibration



TIC: dft0823n.D\data.ms

(2) benzidine

7.770min (-7.770) 0.00

response 0

Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\abnl1.D
Lab Smp Id:
Inj Date : 23-AUG-2010 13:41
Operator : hl Inst ID: Juliet.i
Smp Info : abn 2 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:18 aal Quant Type: ISTD
Cal Date : 23-AUG-2010 17:00 Cal File: ap9l1.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270ical.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS		
QUANT SIG						CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.990	1.990	(0.481)	8546	2.00000	2.00	
2 Pyridine	79	2.038	2.038	(0.493)	14641	2.00000	1.84	
\$ 3 2-Fluorophenol	112	3.081	3.081	(0.745)	17567	2.00000	2.07	
\$ 7 Phenol-d6	99	3.872	3.872	(0.937)	21116	2.00000	2.05	
8 Phenol	94	3.883	3.883	(0.939)	21873	2.00000	2.08	
9 Aniline	93	3.862	3.862	(0.934)	24703	2.00000	1.95	
11 Bis(2-chloroethyl)ether	93	3.910	3.910	(0.946)	15977	2.00000	2.18	
12 2-Chlorophenol	128	3.974	3.974	(0.961)	19940	2.00000	2.07	
13 1,3-Dichlorobenzene	146	4.086	4.086	(0.988)	23641	2.00000	2.18	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	286074	40.0000		
16 1,4-Dichlorobenzene	146	4.150	4.150	(1.004)	24874	2.00000	2.26	
17 Benzyl alcohol	79	4.263	4.263	(1.031)	13954	2.00000	1.95	
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	21120	2.00000	2.05	
19 2-Methylphenol	108	4.380	4.380	(1.060)	14578	2.00000	1.81	
20 Bis(2-chloroisopropyl)ether	45	Compound Not Detected.						
22 3-Methylphenol/4-Methylphenol	108	4.514	4.514	(1.092)	17835	2.00000	2.02	
24 n-Nitrosodi-n-propylamine	70	4.482	4.482	(1.084)	10443	2.00000	1.83	
26 Hexachloroethane	117	4.568	4.568	(1.105)	8947	2.00000	2.05	
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	18035	2.00000	2.01	
29 Nitrobenzene	77	4.621	4.621	(0.883)	17878	2.00000	2.23	
30 Isophorone	82	4.830	4.830	(1.168)	32194	2.00000	2.04	
32 2-Nitrophenol	139	4.899	4.899	(1.185)	9549	2.00000	1.75	
33 2,4-Dimethylphenol	107	4.963	4.963	(1.200)	18858	2.00000	2.03	
36 Bis(2-chloroethoxy)methane	93	5.022	5.022	(1.215)	20381	2.00000	2.15	
34 Benzoic acid	105	5.033	5.033	(0.962)	11534	2.00000	1.73	
37 2,4-Dichlorophenol	162	5.129	5.129	(0.981)	18030	2.00000	2.16	
38 1,2,4-Trichlorobenzene	180	5.183	5.183	(0.991)	22144	2.00000	2.20	
* 39 Naphthalene-d8	136	5.231	5.231	(1.000)	994976	40.0000		
40 Naphthalene	128	5.247	5.247	(1.003)	57349	2.00000	2.27	
43 4-Chloroaniline	65	5.300	5.300	(1.013)	6458	2.00000	2.35	
44 Hexachlorobutadiene	225	5.365	5.365	(1.026)	14097	2.00000	2.20	
50 p-Chloro-m-cresol	107	5.750	5.750	(1.099)	16943	2.00000	2.19	
51 2-Methylnaphthalene	142	5.846	5.846	(1.118)	39443	2.00000	2.20	

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL	RT	EXP RT	REL RT	RESPONSE	
=====	=====	(ng)	(ng)	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.931	5.931 (1.134)	14450	2.00000	2.26		
55 Hexachlorocyclopentadiene	237	5.990	5.990 (1.145)	10485	2.00000	1.52		
56 2,4,6-Trichlorophenol	196	6.108	6.108 (1.168)	13996	2.00000	2.00		
57 2,4,5-Trichlorophenol	196	6.151	6.151 (1.176)	15239	2.00000	2.02		
\$ 58 2-Fluorobiphenyl	172	6.167	6.167 (1.179)	48674	2.00000	2.14		
60 2-Chloronaphthalene	162	6.268	6.268 (1.198)	43098	2.00000	2.29		
62 2-Nitroaniline	138	6.365	6.365 (1.217)	12715	2.00000	1.99		
65 1,4-Dinitrobenzene	168	6.482	6.482 (0.960)	4992	2.00000	1.61		
66 Dimethyl phthalate	163	6.525	6.525 (0.966)	51280	2.00000	2.15		
67 1,3-Dinitrobenzene	168	6.547	6.547 (0.969)	6090	2.00000	1.64		
69 2,6-Dinitrotoluene	165	6.573	6.573 (1.257)	9985	2.00000	1.93		
68 1,2-Dinitrobenzene	168	6.616	6.616 (0.979)	3847	2.00000	1.71		
70 Acenaphthylene	152	6.632	6.632 (1.268)	67823	2.00000	2.26		
72 3-Nitroaniline	138	6.723	6.723 (0.995)	11390	2.00000	1.88		
* 74 Acenaphthene-d10	164	6.755	6.755 (1.000)	722559	40.0000			
75 Acenaphthene	154	6.782	6.782 (1.004)	40041	2.00000	2.15		
76 2,4-Dinitrophenol	184	6.825	6.825 (1.010)	1128	2.00000	5.67		
77 4-Nitrophenol	65	6.916	6.916 (1.024)	6498	2.00000	1.77		
80 2,4-Dinitrotoluene	165	6.926	6.926 (1.025)	11745	2.00000	1.69		
78 Dibenzofuran	168	6.932	6.932 (1.026)	60557	2.00000	2.13		
81 2,3,4,6-Tetrachlorophenol	232	7.017	7.017 (1.039)	12019	2.00000	1.66		
82 2,3,5,6-Tetrachlorophenol	232	7.055	7.055 (1.044)	14648	2.00000	1.88		
83 Diethyl phthalate	149	7.140	7.140 (1.057)	52794	2.00000	2.11		
84 4-Chlorophenyl phenyl ether	204	7.237	7.237 (1.071)	26162	2.00000	2.08		
85 Fluorene	166	7.231	7.231 (1.070)	49375	2.00000	2.08		
86 4-Nitroaniline	138	7.253	7.253 (1.074)	10463	2.00000	1.71		
87 4,6-Dinitro-o-cresol	198	7.285	7.285 (1.078)	4280	2.00000	0.905		
88 NDPA/DPA	169	7.338	7.338 (1.086)	43603	2.00000	2.12		
89 Azobenzene	77	7.370	7.370 (1.091)	38388	2.00000	2.06		
\$ 91 2,4,6-Tribromophenol	330	7.451	7.451 (0.926)	15216	2.00000	1.94		
94 4-Bromophenyl phenyl ether	248	7.659	7.659 (1.134)	20070	2.00000	2.09		
97 Hexachlorobenzene	284	7.723	7.723 (1.143)	29018	2.00000	2.19		
100 Pentachlorophenol	266	7.900	7.900 (0.981)	4467	2.00000	3.64		
* 102 Phenanthrene-d10	188	8.050	8.050 (1.000)	1313569	40.0000			
103 Phenanthrene	178	8.071	8.071 (1.003)	78527	2.00000	2.19		
104 Anthracene	178	8.114	8.114 (1.008)	75582	2.00000	2.09		
106 Carbazole	167	8.264	8.264 (1.027)	71640	2.00000	2.09		
109 Di-n-butylphthalate	149	8.568	8.568 (1.064)	82420	2.00000	2.02		
115 Fluoranthene	202	9.135	9.135 (1.135)	90153	2.00000	2.18		
117 Benzidine	184	9.274	9.274 (1.152)	52814	2.00000	1.83		
119 Pyrene	202	9.360	9.360 (1.163)	96993	2.00000	2.06		
\$ 120 4-Terphenyl-d14	244	9.536	9.536 (1.185)	68302	2.00000	1.94		
122 Butyl benzyl phthalate	149	10.125	10.125 (1.258)	37317	2.00000	1.84		
124 Bis (2-ethylhexyl) adipate	129	10.253	10.253 (2.480)	23518	2.00000	1.62		
127 3,3'-Dichlorobenzidine	252	10.842	10.842 (0.998)	38382	2.00000	1.86		
128 Benzo(a)anthracene	228	10.858	10.858 (0.999)	103270	2.00000	2.20		
* 129 Chrysene-d12	240	10.868	10.868 (1.000)	1821758	40.0000			
131 Chrysene	228	10.906	10.906 (1.003)	98672	2.00000	2.21		
132 Bis(2-ethylhexyl)phthalate	149	10.970	10.970 (1.009)	51411	2.00000	1.94		
137 Di-n-octylphthalate	149	12.034	12.034 (1.107)	71565	2.00000	1.65		
138 Benzo(b)fluoranthene	252	12.553	12.553 (0.951)	110202	2.00000	2.00		
139 Benzo(k)fluoranthene	252	12.601	12.601 (0.955)	105779	2.00000	2.00		
141 Benzo(a)pyrene	252	13.093	13.093 (0.992)	103537	2.00000	1.97		
* 143 Perylene-d12	264	13.200	13.200 (1.000)	2171845	40.0000			

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL					
	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	14.965	14.965	(1.134)	109838	2.00000	1.82	
147 Dibenzo(a,h)anthracene	278	15.013	15.013	(1.137)	107302	2.00000	1.86	
149 Benzo(ghi)perylene	276	15.377	15.377	(1.165)	128840	2.00000	2.06	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl1.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 20:42

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	266800	133400	533600	286074	7.22
39 Naphthalene-d8	982885	491443	1965770	994976	1.23
74 Acenaphthene-d10	674593	337297	1349186	722559	7.11
102 Phenanthrene-d10	1250723	625362	2501446	1313569	5.02
129 Chrysene-d12	1835737	917869	3671474	1821758	-0.76
143 Perylene-d12	2208600	1104300	4417200	2171845	-1.66

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.10
74 Acenaphthene-d10	6.76	6.26	7.26	6.76	-0.00
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	-0.00
129 Chrysene-d12	10.87	10.37	11.37	10.87	-0.00
143 Perylene-d12	13.19	12.69	13.69	13.20	0.08

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 13:41

Client ID:

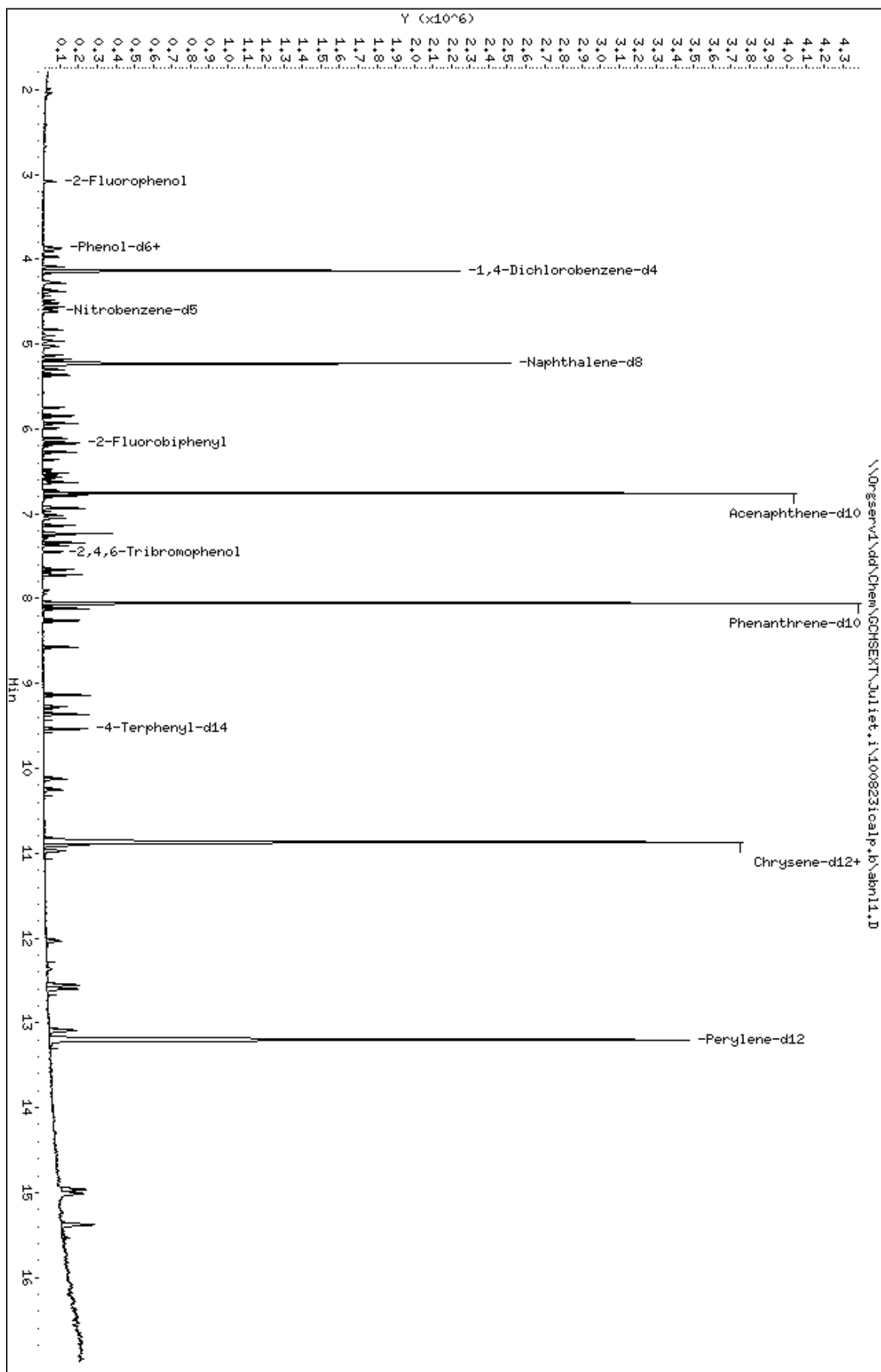
Sample Info: abn 2 lot#3556

Instrument: Juliet.i

Operator: hl

Column diameter: 0.32

Column phase: RTX-5



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\abnl1.D
Lab Smp Id:
Inj Date : 23-AUG-2010 13:41
Operator : hl Inst ID: Juliet.i
Smp Info : abn 2 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:14 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 18:39 Cal File: ap9l5.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270ical.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.990	1.990	(0.481)	8546	2.00000	2.00		
2 Pyridine	79	2.038	2.038	(0.493)	14641	2.00000	1.84		
\$ 3 2-Fluorophenol	112	3.081	3.081	(0.745)	17567	2.00000	2.07		
\$ 7 Phenol-d6	99	3.872	3.872	(0.937)	21116	2.00000	2.05		
8 Phenol	94	3.883	3.883	(0.939)	21873	2.00000	2.08		
9 Aniline	93	3.862	3.862	(0.934)	24703	2.00000	1.95		
11 Bis(2-chloroethyl)ether	93	3.910	3.910	(0.946)	15977	2.00000	2.18		
12 2-Chlorophenol	128	3.974	3.974	(0.961)	19940	2.00000	2.07		
13 1,3-Dichlorobenzene	146	4.086	4.086	(0.988)	23641	2.00000	2.18		
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	286074	40.0000			
16 1,4-Dichlorobenzene	146	4.150	4.150	(1.004)	24874	2.00000	2.26		
17 Benzyl alcohol	79	4.263	4.263	(1.031)	13954	2.00000	1.95		
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	21120	2.00000	2.05		
19 2-Methylphenol	108	4.380	4.380	(1.060)	14578	2.00000	1.81		
20 Bis(2-chloroisopropyl)ether	45	4.370	4.370	(1.057)	15743	2.00000	2.16(M)		M2
22 3-Methylphenol/4-Methylphenol	108	4.514	4.514	(1.092)	17835	2.00000	2.02		
24 n-Nitrosodi-n-propylamine	70	4.482	4.482	(1.084)	10443	2.00000	1.83		
26 Hexachloroethane	117	4.568	4.568	(1.105)	8947	2.00000	2.05		
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	18035	2.00000	2.01		
29 Nitrobenzene	77	4.621	4.621	(0.883)	17878	2.00000	2.23		
30 Isophorone	82	4.830	4.830	(1.168)	32194	2.00000	2.04		
32 2-Nitrophenol	139	4.899	4.899	(1.185)	9549	2.00000	1.75		
33 2,4-Dimethylphenol	107	4.963	4.963	(1.200)	18858	2.00000	2.03		
36 Bis(2-chloroethoxy)methane	93	5.022	5.022	(1.215)	20381	2.00000	2.15		
34 Benzoic acid	105	5.033	5.033	(0.962)	11531	2.00000	1.73		
37 2,4-Dichlorophenol	162	5.129	5.129	(0.981)	18030	2.00000	2.16		
38 1,2,4-Trichlorobenzene	180	5.183	5.183	(0.991)	22144	2.00000	2.20		
* 39 Naphthalene-d8	136	5.231	5.231	(1.000)	994976	40.0000			
40 Naphthalene	128	5.247	5.247	(1.003)	57349	2.00000	2.27		
43 4-Chloroaniline	65	5.300	5.300	(1.013)	6458	2.00000	2.35		
44 Hexachlorobutadiene	225	5.365	5.365	(1.026)	14097	2.00000	2.20		
50 p-Chloro-m-cresol	107	5.750	5.750	(1.099)	16943	2.00000	2.19		
51 2-Methylnaphthalene	142	5.846	5.846	(1.118)	39443	2.00000	2.20		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL	RT	EXP RT	REL RT	RESPONSE	
=====	=====	(ng)	(ng)	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.931	5.931 (1.134)	14450	2.00000	2.26		
55 Hexachlorocyclopentadiene	237	5.990	5.990 (1.145)	10485	2.00000	1.52		
56 2,4,6-Trichlorophenol	196	6.108	6.108 (1.168)	13996	2.00000	2.00		
57 2,4,5-Trichlorophenol	196	6.151	6.151 (1.176)	15239	2.00000	2.02		
\$ 58 2-Fluorobiphenyl	172	6.167	6.167 (1.179)	48674	2.00000	2.14		
60 2-Chloronaphthalene	162	6.268	6.268 (1.198)	43098	2.00000	2.29		
62 2-Nitroaniline	138	6.365	6.365 (1.217)	12715	2.00000	1.99		
65 1,4-Dinitrobenzene	168	6.482	6.482 (0.960)	4992	2.00000	1.61		
66 Dimethyl phthalate	163	6.525	6.525 (0.966)	51280	2.00000	2.15		
67 1,3-Dinitrobenzene	168	6.547	6.547 (0.969)	6090	2.00000	1.64		
69 2,6-Dinitrotoluene	165	6.573	6.573 (1.257)	9985	2.00000	1.93		
68 1,2-Dinitrobenzene	168	6.616	6.616 (0.979)	3847	2.00000	1.71		
70 Acenaphthylene	152	6.632	6.632 (1.268)	68252	2.00000	2.28(M)	M1	
72 3-Nitroaniline	138	6.723	6.723 (0.995)	11390	2.00000	1.88		
* 74 Acenaphthene-d10	164	6.755	6.755 (1.000)	722559	40.0000			
75 Acenaphthene	154	6.782	6.782 (1.004)	40041	2.00000	2.15		
76 2,4-Dinitrophenol	184	6.825	6.825 (1.010)	1297	2.00000	5.88(M)	M1	
77 4-Nitrophenol	65	6.916	6.916 (1.024)	6498	2.00000	1.77		
80 2,4-Dinitrotoluene	165	6.926	6.926 (1.025)	11745	2.00000	1.69		
78 Dibenzofuran	168	6.932	6.932 (1.026)	60557	2.00000	2.13		
81 2,3,4,6-Tetrachlorophenol	232	7.017	7.017 (1.039)	12019	2.00000	1.66		
82 2,3,5,6-Tetrachlorophenol	232	7.055	7.055 (1.044)	14648	2.00000	1.88		
83 Diethyl phthalate	149	7.140	7.140 (1.057)	53211	2.00000	2.13(M)	M1	
84 4-Chlorophenyl phenyl ether	204	7.237	7.237 (1.071)	26162	2.00000	2.08		
85 Fluorene	166	7.231	7.231 (1.070)	49375	2.00000	2.08		
86 4-Nitroaniline	138	7.253	7.253 (1.074)	10463	2.00000	1.71		
87 4,6-Dinitro-o-cresol	198	7.285	7.285 (1.078)	4280	2.00000	0.905		
88 NDPA/DPA	169	7.338	7.338 (1.086)	43603	2.00000	2.12		
89 Azobenzene	77	7.370	7.370 (1.091)	38395	2.00000	2.06		
\$ 91 2,4,6-Tribromophenol	330	7.451	7.451 (0.926)	15216	2.00000	1.94		
94 4-Bromophenyl phenyl ether	248	7.659	7.659 (1.134)	20070	2.00000	2.09		
97 Hexachlorobenzene	284	7.723	7.723 (1.143)	29018	2.00000	2.19		
100 Pentachlorophenol	266	7.900	7.900 (0.981)	5138	2.00000	3.83(M)	M1	
* 102 Phenanthrene-d10	188	8.050	8.050 (1.000)	1313569	40.0000			
103 Phenanthrene	178	8.071	8.071 (1.003)	78527	2.00000	2.19		
104 Anthracene	178	8.114	8.114 (1.008)	75582	2.00000	2.09		
106 Carbazole	167	8.264	8.264 (1.027)	71640	2.00000	2.09		
109 Di-n-butylphthalate	149	8.568	8.568 (1.064)	82942	2.00000	2.03(M)	M1	
115 Fluoranthene	202	9.135	9.135 (1.135)	90153	2.00000	2.18		
117 Benzidine	184	9.274	9.274 (1.152)	52814	2.00000	1.83		
119 Pyrene	202	9.360	9.360 (1.163)	96993	2.00000	2.06		
\$ 120 4-Terphenyl-d14	244	9.536	9.536 (1.185)	68302	2.00000	1.94		
122 Butyl benzyl phthalate	149	10.125	10.125 (1.258)	37317	2.00000	1.84		
124 Bis (2-ethylhexyl) adipate	129	10.253	10.253 (2.480)	23518	2.00000	1.62		
127 3,3'-Dichlorobenzidine	252	10.842	10.842 (0.998)	38382	2.00000	1.86		
128 Benzo(a)anthracene	228	10.858	10.858 (0.999)	103270	2.00000	2.20		
* 129 Chrysene-d12	240	10.868	10.868 (1.000)	1821758	40.0000			
131 Chrysene	228	10.906	10.906 (1.003)	98672	2.00000	2.21		
132 Bis(2-ethylhexyl)phthalate	149	10.970	10.970 (1.009)	51411	2.00000	1.94		
137 Di-n-octylphthalate	149	12.034	12.034 (1.107)	71565	2.00000	1.65		
138 Benzo(b)fluoranthene	252	12.553	12.553 (0.951)	110202	2.00000	2.00		
139 Benzo(k)fluoranthene	252	12.601	12.601 (0.955)	105777	2.00000	2.00		
141 Benzo(a)pyrene	252	13.093	13.093 (0.992)	103537	2.00000	1.97		
* 143 Perylene-d12	264	13.200	13.200 (1.000)	2171845	40.0000			

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	14.965	14.965	(1.134)	109838	2.00000	1.82(H)	M3	
147 Dibenzo(a,h)anthracene	278	15.013	15.013	(1.137)	107302	2.00000	1.86		
149 Benzo(ghi)perylene	276	15.377	15.377	(1.165)	128840	2.00000	2.06		

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl1.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 20:42
Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	253053	126527	506106	286074	13.05
39 Naphthalene-d8	1005602	502801	2011204	994976	-1.06
74 Acenaphthene-d10	639767	319884	1279534	722559	12.94
102 Phenanthrene-d10	1268492	634246	2536984	1313569	3.55
129 Chrysene-d12	1894731	947366	3789462	1821758	-3.85
143 Perylene-d12	2338651	1169326	4677302	2171845	-7.13

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.10
74 Acenaphthene-d10	6.75	6.25	7.25	6.76	0.08
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	-0.00
129 Chrysene-d12	10.86	10.36	11.36	10.87	0.05
143 Perylene-d12	13.20	12.70	13.70	13.20	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 13:41

Client ID:

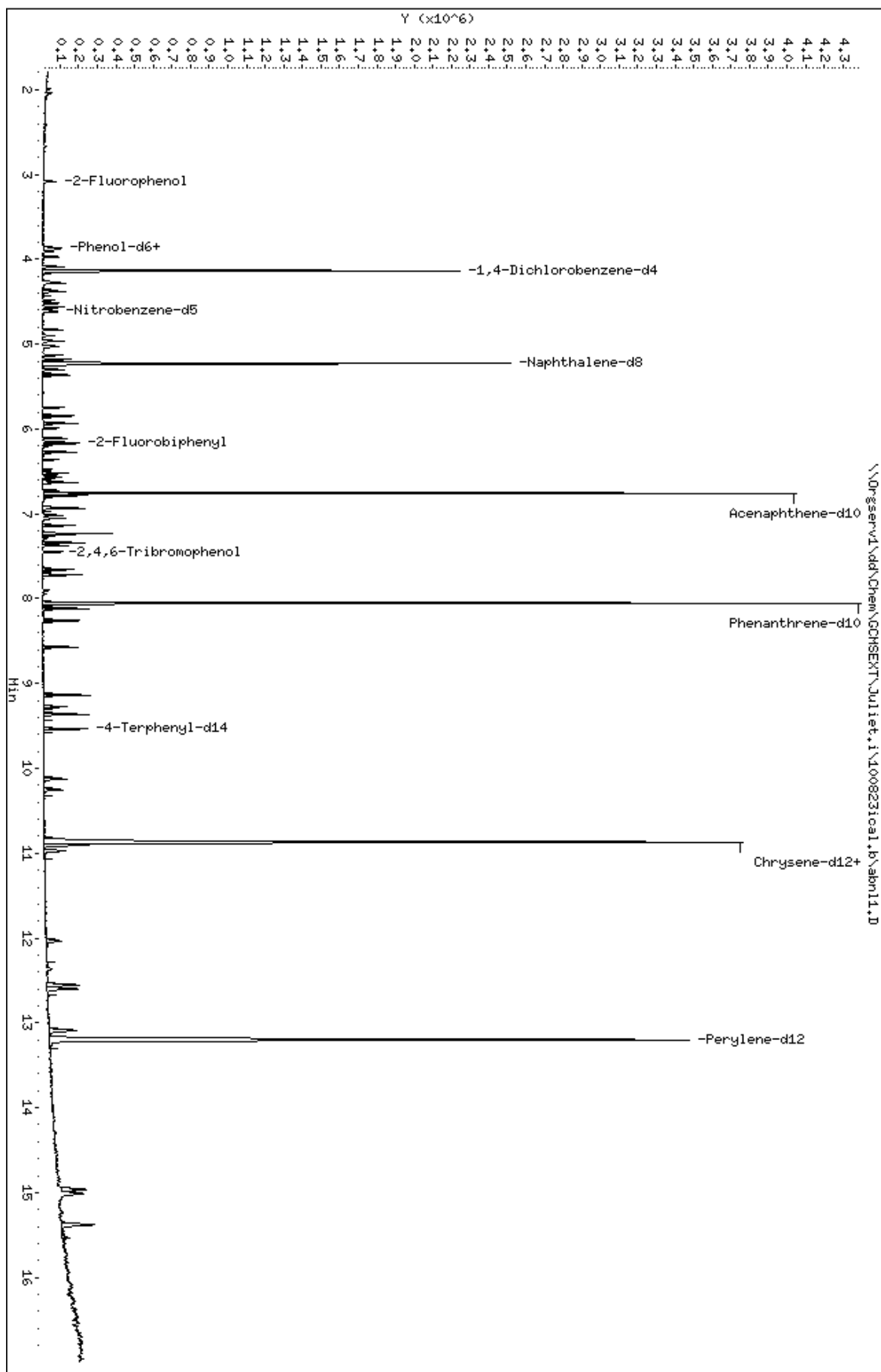
Sample Info: abn 2 lot#3556

Instrument: Juliet.i

Column phase: RTX-5

Operator: hl

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\abnl2.D
Lab Smp Id:
Inj Date : 23-AUG-2010 14:06
Operator : hl Inst ID: Juliet.i
Smp Info : abn 5 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:18 aal Quant Type: ISTD
Cal Date : 23-AUG-2010 17:24 Cal File: ap9l2.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270ical.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS		
QUANT SIG						CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.984	1.984	(0.480)	20526	5.00000	5.09	
2 Pyridine	79	2.027	2.027	(0.490)	35194	5.00000	4.70	
\$ 3 2-Fluorophenol	112	3.081	3.081	(0.745)	39976	5.00000	4.99	
\$ 7 Phenol-d6	99	3.867	3.867	(0.935)	52251	5.00000	5.38	
8 Phenol	94	3.878	3.878	(0.938)	52729	5.00000	5.33	
9 Aniline	93	3.862	3.862	(0.934)	65475	5.00000	5.50	
11 Bis(2-chloroethyl)ether	93	3.910	3.910	(0.946)	38432	5.00000	5.57	
12 2-Chlorophenol	128	3.969	3.969	(0.960)	45450	5.00000	5.00	
13 1,3-Dichlorobenzene	146	4.086	4.086	(0.988)	54808	5.00000	5.36	
* 15 1,4-Dichlorobenzene-d4	152	4.135	4.135	(1.000)	269685	40.0000		
16 1,4-Dichlorobenzene	146	4.145	4.145	(1.003)	54997	5.00000	5.31	
17 Benzyl alcohol	79	4.263	4.263	(1.031)	32629	5.00000	4.83	
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	51456	5.00000	5.29	
19 2-Methylphenol	108	4.381	4.381	(1.060)	40037	5.00000	5.27	
20 Bis(2-chloroisopropyl)ether	45	4.370	4.370	(1.057)	37538	5.00000	5.53	
22 3-Methylphenol/4-Methylphenol	108	4.514	4.514	(1.092)	42804	5.00000	5.15	
24 n-Nitrosodi-n-propylamine	70	4.477	4.477	(1.083)	27526	5.00000	5.11	
26 Hexachloroethane	117	4.562	4.562	(1.103)	22714	5.00000	5.53	
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	41275	5.00000	4.88	
29 Nitrobenzene	77	4.621	4.621	(0.884)	43790	5.00000	5.76	
30 Isophorone	82	4.824	4.824	(1.167)	78516	5.00000	5.27	
32 2-Nitrophenol	139	4.899	4.899	(1.185)	25972	5.00000	5.04	
33 2,4-Dimethylphenol	107	4.958	4.958	(1.199)	46217	5.00000	5.29	
36 Bis(2-chloroethoxy)methane	93	5.017	5.017	(1.213)	47854	5.00000	5.35	
34 Benzoic acid	105	5.038	5.038	(0.964)	30489	5.00000	4.83	
37 2,4-Dichlorophenol	162	5.124	5.124	(0.981)	44129	5.00000	5.58	
38 1,2,4-Trichlorobenzene	180	5.177	5.177	(0.991)	55822	5.00000	5.86	
* 39 Naphthalene-d8	136	5.226	5.226	(1.000)	942319	40.0000		
40 Naphthalene	128	5.242	5.242	(1.003)	136570	5.00000	5.72	
43 4-Chloroaniline	65	5.295	5.295	(1.013)	14778	5.00000	5.68	
44 Hexachlorobutadiene	225	5.359	5.359	(1.026)	35057	5.00000	5.78	
50 p-Chloro-m-cresol	107	5.744	5.744	(1.099)	42182	5.00000	5.75	
51 2-Methylnaphthalene	142	5.846	5.846	(1.119)	96717	5.00000	5.69	

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL	RT	EXP RT	REL RT	RESPONSE	
=====	=====	(ng)	(ng)	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.932	5.932 (1.135)	34867	5.00000	5.76		
55 Hexachlorocyclopentadiene	237	5.990	5.990 (1.146)	30285	5.00000	4.65		
56 2,4,6-Trichlorophenol	196	6.103	6.103 (1.168)	36186	5.00000	5.46		
57 2,4,5-Trichlorophenol	196	6.146	6.146 (1.176)	40281	5.00000	5.65		
\$ 58 2-Fluorobiphenyl	172	6.167	6.167 (1.180)	124104	5.00000	5.76		
60 2-Chloronaphthalene	162	6.263	6.263 (1.199)	98479	5.00000	5.53		
62 2-Nitroaniline	138	6.360	6.360 (1.217)	30532	5.00000	5.04		
65 1,4-Dinitrobenzene	168	6.477	6.477 (0.960)	12091	5.00000	4.43		
66 Dimethyl phthalate	163	6.520	6.520 (0.966)	124469	5.00000	5.94		
67 1,3-Dinitrobenzene	168	6.541	6.541 (0.969)	17137	5.00000	5.24		
69 2,6-Dinitrotoluene	165	6.568	6.568 (1.257)	26735	5.00000	5.45		
68 1,2-Dinitrobenzene	168	6.611	6.611 (0.979)	11693	5.00000	5.90		
70 Acenaphthylene	152	6.627	6.627 (1.268)	168385	5.00000	5.93		
72 3-Nitroaniline	138	6.718	6.718 (0.995)	28117	5.00000	5.26		
* 74 Acenaphthene-d10	164	6.750	6.750 (1.000)	635537	40.0000			
75 Acenaphthene	154	6.777	6.777 (1.004)	98272	5.00000	5.99		
76 2,4-Dinitrophenol	184	6.814	6.814 (1.010)	6375	5.00000	7.21		
77 4-Nitrophenol	65	6.910	6.910 (1.024)	16383	5.00000	5.07		
80 2,4-Dinitrotoluene	165	6.921	6.921 (1.025)	32929	5.00000	5.37		
78 Dibenzofuran	168	6.932	6.932 (1.027)	143117	5.00000	5.72		
81 2,3,4,6-Tetrachlorophenol	232	7.012	7.012 (1.039)	33592	5.00000	5.28		
82 2,3,5,6-Tetrachlorophenol	232	7.050	7.050 (1.044)	37453	5.00000	5.46		
83 Diethyl phthalate	149	7.135	7.135 (1.057)	132605	5.00000	6.02		
84 4-Chlorophenyl phenyl ether	204	7.231	7.231 (1.071)	65536	5.00000	5.92		
85 Fluorene	166	7.226	7.226 (1.071)	127274	5.00000	6.08		
86 4-Nitroaniline	138	7.253	7.253 (1.074)	30600	5.00000	5.69		
87 4,6-Dinitro-o-cresol	198	7.280	7.280 (1.078)	14080	5.00000	3.38		
88 NDPA/DPA	169	7.333	7.333 (1.086)	109516	5.00000	6.07		
89 Azobenzene	77	7.365	7.365 (1.091)	98847	5.00000	6.03		
\$ 91 2,4,6-Tribromophenol	330	7.445	7.445 (0.926)	38408	5.00000	5.41		
94 4-Bromophenyl phenyl ether	248	7.654	7.654 (1.134)	46996	5.00000	5.56		
97 Hexachlorobenzene	284	7.718	7.718 (1.143)	67679	5.00000	5.80		
100 Pentachlorophenol	266	7.895	7.895 (0.981)	15149	5.00000	5.59		
* 102 Phenanthrene-d10	188	8.044	8.044 (1.000)	1187101	40.0000			
103 Phenanthrene	178	8.066	8.066 (1.003)	183797	5.00000	5.66		
104 Anthracene	178	8.109	8.109 (1.008)	192276	5.00000	5.89		
106 Carbazole	167	8.258	8.258 (1.027)	179054	5.00000	5.77		
109 Di-n-butylphthalate	149	8.563	8.563 (1.064)	212422	5.00000	5.75		
115 Fluoranthene	202	9.130	9.130 (1.135)	212947	5.00000	5.70		
117 Benzidine	184	9.269	9.269 (1.152)	136865	5.00000	5.26		
119 Pyrene	202	9.360	9.360 (1.164)	247334	5.00000	5.81		
\$ 120 4-Terphenyl-d14	244	9.531	9.531 (1.185)	177716	5.00000	5.59		
122 Butyl benzyl phthalate	149	10.125	10.125 (1.259)	95555	5.00000	5.22		
124 Bis (2-ethylhexyl) adipate	129	10.248	10.248 (2.478)	64917	5.00000	4.73		
127 3,3'-Dichlorobenzidine	252	10.836	10.836 (0.997)	106650	5.00000	5.46		
128 Benzo(a)anthracene	228	10.852	10.852 (0.999)	252481	5.00000	5.68		
* 129 Chrysene-d12	240	10.868	10.868 (1.000)	1721531	40.0000			
131 Chrysene	228	10.901	10.901 (1.003)	238612	5.00000	5.65		
132 Bis(2-ethylhexyl)phthalate	149	10.970	10.970 (1.009)	137888	5.00000	5.52		
137 Di-n-octylphthalate	149	12.029	12.029 (1.107)	204707	5.00000	4.99		
138 Benzo(b)fluoranthene	252	12.548	12.548 (0.951)	278204	5.00000	5.23		
139 Benzo(k)fluoranthene	252	12.596	12.596 (0.955)	298560	5.00000	5.85		
141 Benzo(a)pyrene	252	13.088	13.088 (0.992)	273109	5.00000	5.38		
* 143 Perylene-d12	264	13.195	13.195 (1.000)	2102099	40.0000			

Compounds	QUANT SIG	AMOUNTS							
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT	ON -COL	REVIEW CODE
							(ng)	(ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	14.960	14.960	(1.134)	295645	5.00000	5.05		
147 Dibenzo(a,h)anthracene	278	15.008	15.008	(1.137)	294853	5.00000	5.27		
149 Benzo(ghi)perylene	276	15.372	15.372	(1.165)	308101	5.00000	5.08		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl2.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 20:42

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	266800	133400	533600	269685	1.08
39 Naphthalene-d8	982885	491443	1965770	942319	-4.13
74 Acenaphthene-d10	674593	337297	1349186	635537	-5.79
102 Phenanthrene-d10	1250723	625362	2501446	1187101	-5.09
129 Chrysene-d12	1835737	917869	3671474	1721531	-6.22
143 Perylene-d12	2208600	1104300	4417200	2102099	-4.82

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.00
74 Acenaphthene-d10	6.76	6.26	7.26	6.75	-0.08
102 Phenanthrene-d10	8.05	7.55	8.55	8.04	-0.07
129 Chrysene-d12	10.87	10.37	11.37	10.87	0.00
143 Perylene-d12	13.19	12.69	13.69	13.20	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 14:06

Client ID:

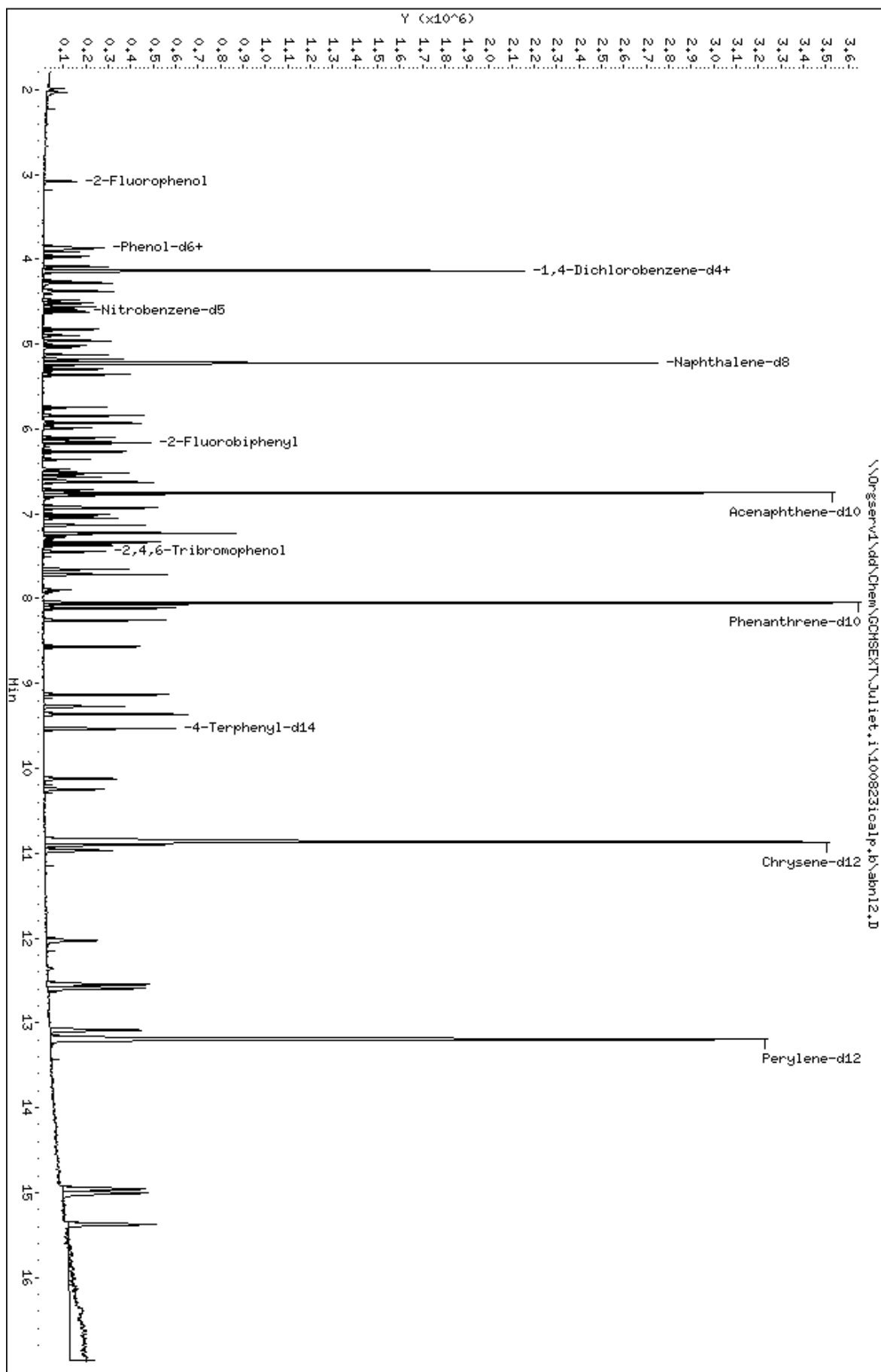
Sample Info: abn 5 lot#3556

Instrument: Juliet.i

Column phase: RTX-5

Operator: hl

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\abnl2.D
Lab Smp Id:
Inj Date : 23-AUG-2010 14:06
Operator : hl Inst ID: Juliet.i
Smp Info : abn 5 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNV2.m
Meth Date : 24-Aug-2010 13:14 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 17:00 Cal File: ap9l1.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270ical.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS		
QUANT SIG						CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.984	1.984	(0.480)	20526	5.00000	5.09	
2 Pyridine	79	2.027	2.027	(0.490)	35194	5.00000	4.70	
\$ 3 2-Fluorophenol	112	3.081	3.081	(0.745)	39976	5.00000	4.99	
\$ 7 Phenol-d6	99	3.867	3.867	(0.935)	52251	5.00000	5.38	
8 Phenol	94	3.878	3.878	(0.938)	52729	5.00000	5.33	
9 Aniline	93	3.862	3.862	(0.934)	65475	5.00000	5.50	
11 Bis(2-chloroethyl)ether	93	3.910	3.910	(0.946)	38432	5.00000	5.57	
12 2-Chlorophenol	128	3.969	3.969	(0.960)	45450	5.00000	5.00	
13 1,3-Dichlorobenzene	146	4.086	4.086	(0.988)	54808	5.00000	5.36	
* 15 1,4-Dichlorobenzene-d4	152	4.135	4.135	(1.000)	269685	40.0000		
16 1,4-Dichlorobenzene	146	4.145	4.145	(1.003)	54997	5.00000	5.31	
17 Benzyl alcohol	79	4.263	4.263	(1.031)	32629	5.00000	4.83	
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	51456	5.00000	5.29	
19 2-Methylphenol	108	4.381	4.381	(1.060)	40037	5.00000	5.27	
20 Bis(2-chloroisopropyl)ether	45	4.370	4.370	(1.057)	37538	5.00000	5.47	
22 3-Methylphenol/4-Methylphenol	108	4.514	4.514	(1.092)	42804	5.00000	5.15	
24 n-Nitrosodi-n-propylamine	70	4.477	4.477	(1.083)	27526	5.00000	5.11	
26 Hexachloroethane	117	4.562	4.562	(1.103)	22714	5.00000	5.53	
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	41275	5.00000	4.88	
29 Nitrobenzene	77	4.621	4.621	(0.884)	43790	5.00000	5.76	
30 Isophorone	82	4.824	4.824	(1.167)	78516	5.00000	5.27	
32 2-Nitrophenol	139	4.899	4.899	(1.185)	25972	5.00000	5.04	
33 2,4-Dimethylphenol	107	4.958	4.958	(1.199)	46217	5.00000	5.29	
36 Bis(2-chloroethoxy)methane	93	5.017	5.017	(1.213)	47854	5.00000	5.35	
34 Benzoic acid	105	5.038	5.038	(0.964)	30489	5.00000	4.83	
37 2,4-Dichlorophenol	162	5.124	5.124	(0.981)	44129	5.00000	5.58	
38 1,2,4-Trichlorobenzene	180	5.177	5.177	(0.991)	55822	5.00000	5.86	
* 39 Naphthalene-d8	136	5.226	5.226	(1.000)	942319	40.0000		
40 Naphthalene	128	5.242	5.242	(1.003)	136570	5.00000	5.72	
43 4-Chloroaniline	65	5.295	5.295	(1.013)	14778	5.00000	5.68	
44 Hexachlorobutadiene	225	5.359	5.359	(1.026)	35057	5.00000	5.78	
50 p-Chloro-m-cresol	107	5.744	5.744	(1.099)	42182	5.00000	5.75	
51 2-Methylnaphthalene	142	5.846	5.846	(1.119)	96717	5.00000	5.69	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
						CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.932	5.932 (1.135)		34867	5.00000	5.76	
55 Hexachlorocyclopentadiene	237	5.990	5.990 (1.146)		30285	5.00000	4.65	
56 2,4,6-Trichlorophenol	196	6.103	6.103 (1.168)		36186	5.00000	5.46	
57 2,4,5-Trichlorophenol	196	6.146	6.146 (1.176)		40281	5.00000	5.65	
\$ 58 2-Fluorobiphenyl	172	6.167	6.167 (1.180)		124104	5.00000	5.76	
60 2-Chloronaphthalene	162	6.263	6.263 (1.199)		98479	5.00000	5.53	
62 2-Nitroaniline	138	6.360	6.360 (1.217)		30532	5.00000	5.04	
65 1,4-Dinitrobenzene	168	6.477	6.477 (0.960)		12091	5.00000	4.43	
66 Dimethyl phthalate	163	6.520	6.520 (0.966)		124469	5.00000	5.94	
67 1,3-Dinitrobenzene	168	6.541	6.541 (0.969)		17137	5.00000	5.24	
69 2,6-Dinitrotoluene	165	6.568	6.568 (1.257)		26735	5.00000	5.45	
68 1,2-Dinitrobenzene	168	6.611	6.611 (0.979)		11693	5.00000	5.90	
70 Acenaphthylene	152	6.627	6.627 (1.268)		170064	5.00000	6.00(M)	M1
72 3-Nitroaniline	138	6.718	6.718 (0.995)		28117	5.00000	5.26	
* 74 Acenaphthene-d10	164	6.750	6.750 (1.000)		635537	40.0000		
75 Acenaphthene	154	6.777	6.777 (1.004)		98272	5.00000	5.99	
76 2,4-Dinitrophenol	184	6.814	6.814 (1.010)		6375	5.00000	7.37	
77 4-Nitrophenol	65	6.910	6.910 (1.024)		16383	5.00000	5.07	
80 2,4-Dinitrotoluene	165	6.921	6.921 (1.025)		32929	5.00000	5.37	
78 Dibenzofuran	168	6.932	6.932 (1.027)		143117	5.00000	5.72	
81 2,3,4,6-Tetrachlorophenol	232	7.012	7.012 (1.039)		33592	5.00000	5.28	
82 2,3,5,6-Tetrachlorophenol	232	7.050	7.050 (1.044)		37453	5.00000	5.46	
83 Diethyl phthalate	149	7.135	7.135 (1.057)		133742	5.00000	6.07(M)	M1
84 4-Chlorophenyl phenyl ether	204	7.231	7.231 (1.071)		65536	5.00000	5.92	
85 Fluorene	166	7.226	7.226 (1.071)		127274	5.00000	6.08	
86 4-Nitroaniline	138	7.253	7.253 (1.074)		30600	5.00000	5.69	
87 4,6-Dinitro-o-cresol	198	7.280	7.280 (1.078)		14080	5.00000	3.38	
88 NDPA/DPA	169	7.333	7.333 (1.086)		109516	5.00000	6.07	
89 Azobenzene	77	7.365	7.365 (1.091)		98847	5.00000	6.03	
\$ 91 2,4,6-Tribromophenol	330	7.445	7.445 (0.926)		38408	5.00000	5.41	
94 4-Bromophenyl phenyl ether	248	7.654	7.654 (1.134)		46996	5.00000	5.56	
97 Hexachlorobenzene	284	7.718	7.718 (1.143)		67679	5.00000	5.80	
100 Pentachlorophenol	266	7.895	7.895 (0.981)		17694	5.00000	5.99(M)	M1
* 102 Phenanthrene-d10	188	8.044	8.044 (1.000)		1187101	40.0000		
103 Phenanthrene	178	8.066	8.066 (1.003)		183797	5.00000	5.66	
104 Anthracene	178	8.109	8.109 (1.008)		192276	5.00000	5.89	
106 Carbazole	167	8.258	8.258 (1.027)		179054	5.00000	5.77	
109 Di-n-butylphthalate	149	8.563	8.563 (1.064)		213083	5.00000	5.76(M)	M1
115 Fluoranthene	202	9.130	9.130 (1.135)		212947	5.00000	5.70	
117 Benzidine	184	9.269	9.269 (1.152)		136865	5.00000	5.26	
119 Pyrene	202	9.360	9.360 (1.164)		247334	5.00000	5.81	
\$ 120 4-Terphenyl-d14	244	9.531	9.531 (1.185)		177716	5.00000	5.59	
122 Butyl benzyl phthalate	149	10.125	10.125 (1.259)		95555	5.00000	5.22	
124 Bis (2-ethylhexyl) adipate	129	10.248	10.248 (2.478)		64917	5.00000	4.73	
127 3,3'-Dichlorobenzidine	252	10.836	10.836 (0.997)		106650	5.00000	5.46	
128 Benzo(a)anthracene	228	10.852	10.852 (0.999)		252481	5.00000	5.68	
* 129 Chrysene-d12	240	10.868	10.868 (1.000)		1721531	40.0000		
131 Chrysene	228	10.901	10.901 (1.003)		238612	5.00000	5.65	
132 Bis(2-ethylhexyl)phthalate	149	10.970	10.970 (1.009)		137888	5.00000	5.52	
137 Di-n-octylphthalate	149	12.029	12.029 (1.107)		204707	5.00000	4.99	
138 Benzo(b)fluoranthene	252	12.548	12.548 (0.951)		278204	5.00000	5.23	
139 Benzo(k)fluoranthene	252	12.596	12.596 (0.955)		298560	5.00000	5.85	
141 Benzo(a)pyrene	252	13.088	13.088 (0.992)		273109	5.00000	5.38	
* 143 Perylene-d12	264	13.195	13.195 (1.000)		2102099	40.0000		

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ng)	ON -COL (ng)
=====	=====	=====	=====	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	14.960	14.960	(1.134)	295645	5.00000	5.05(H)	M3
147 Dibenzo(a,h)anthracene	278	15.008	15.008	(1.137)	294853	5.00000	5.27	
149 Benzo(ghi)perylene	276	15.372	15.372	(1.165)	308101	5.00000	5.08	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl2.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 20:42

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	253053	126527	506106	269685	6.57
39 Naphthalene-d8	1005602	502801	2011204	942319	-6.29
74 Acenaphthene-d10	639767	319884	1279534	635537	-0.66
102 Phenanthrene-d10	1268492	634246	2536984	1187101	-6.42
129 Chrysene-d12	1894731	947366	3789462	1721531	-9.14
143 Perylene-d12	2338651	1169326	4677302	2102099	-10.11

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	0.00
102 Phenanthrene-d10	8.05	7.55	8.55	8.04	-0.07
129 Chrysene-d12	10.86	10.36	11.36	10.87	0.05
143 Perylene-d12	13.20	12.70	13.70	13.20	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 14:06

Client ID:

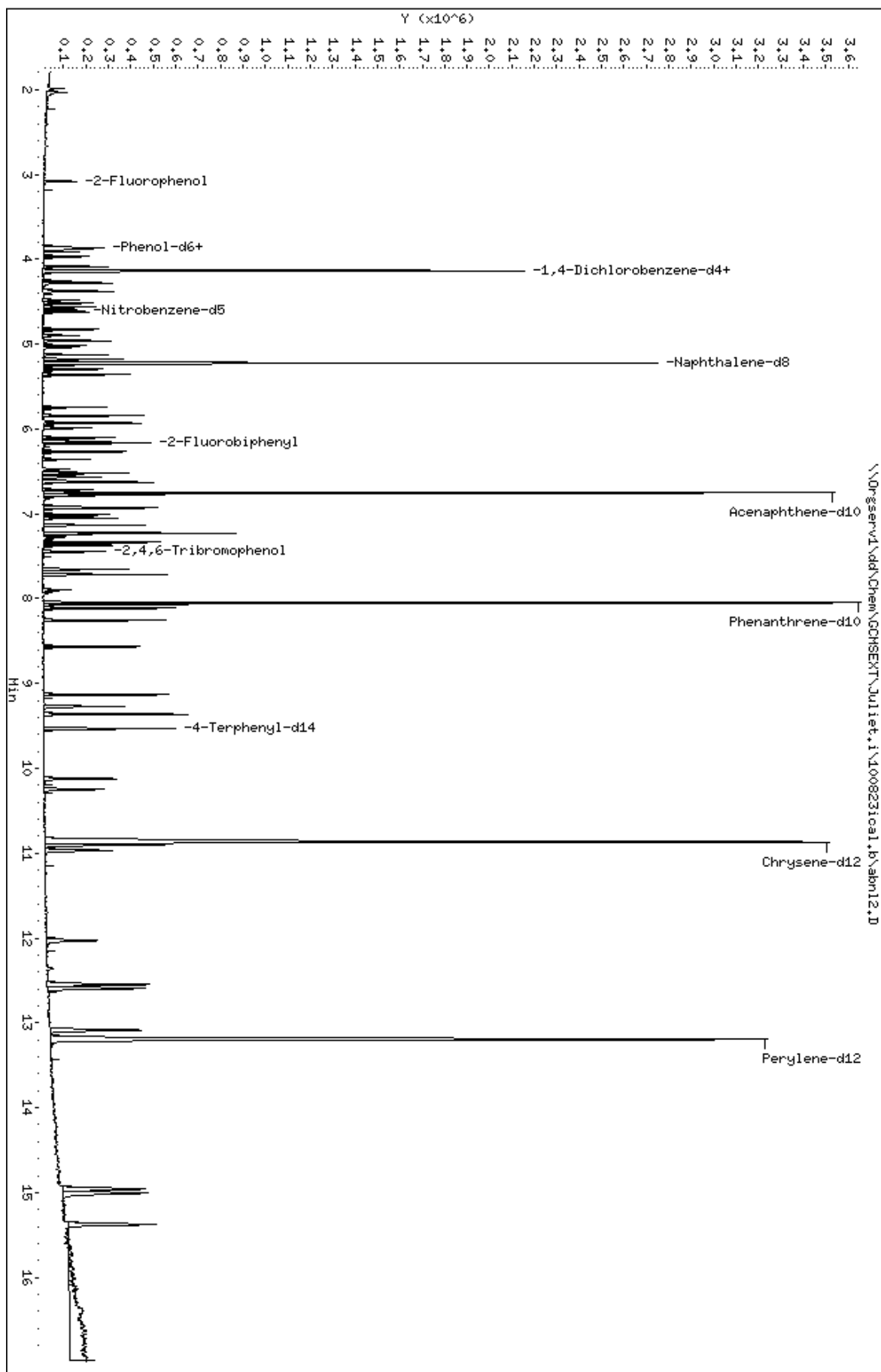
Sample Info: abn 5 lot#3556

Instrument: Juliet.i

Column phase: RTX-5

Operator: hl

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\abnl3.D
Lab Smp Id:
Inj Date : 23-AUG-2010 14:31
Operator : hl
Smp Info : abn 10 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:18 aal
Cal Date : 23-AUG-2010 17:49
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: ABN-6

Inst ID: Juliet.i
Quant Type: ISTD
Cal File: ap9l3.D
Calibration Sample, Level: 3
Compound Sublist: 8270ical.sub

						AMOUNTS			
		QUANT SIG					CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
1 n-Nitrosodimethylamine	74	1.979	1.979	(0.479)	37559	10.0000	10.0		
2 Pyridine	79	2.022	2.022	(0.489)	63453	10.0000	9.13		
\$ 3 2-Fluorophenol	112	3.081	3.081	(0.745)	73460	10.0000	9.86		
\$ 7 Phenol-d6	99	3.867	3.867	(0.935)	94075	10.0000	10.4		
8 Phenol	94	3.878	3.878	(0.938)	96100	10.0000	10.4		
9 Aniline	93	3.862	3.862	(0.934)	119103	10.0000	10.8		
11 Bis(2-chloroethyl)ether	93	3.910	3.910	(0.946)	60526	10.0000	9.45		
12 2-Chlorophenol	128	3.969	3.969	(0.960)	88054	10.0000	10.4		
13 1,3-Dichlorobenzene	146	4.086	4.086	(0.988)	103961	10.0000	11.0		
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	250568	40.0000			
16 1,4-Dichlorobenzene	146	4.150	4.150	(1.004)	101575	10.0000	10.6		
17 Benzyl alcohol	79	4.263	4.263	(1.031)	63239	10.0000	10.1		
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	99269	10.0000	11.0		
19 2-Methylphenol	108	4.380	4.380	(1.060)	73936	10.0000	10.5		
20 Bis(2-chloroisopropyl)ether	45	4.370	4.370	(1.057)	67622	10.0000	10.7		
22 3-Methylphenol/4-Methylphenol	108	4.514	4.514	(1.092)	79541	10.0000	10.3		
24 n-Nitrosodi-n-propylamine	70	4.482	4.482	(1.084)	53870	10.0000	10.8		
26 Hexachloroethane	117	4.562	4.562	(1.103)	40837	10.0000	10.7		
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	82040	10.0000	10.4		
29 Nitrobenzene	77	4.621	4.621	(0.884)	81388	10.0000	10.5		
30 Isophorone	82	4.830	4.830	(1.168)	138546	10.0000	10.0		
32 2-Nitrophenol	139	4.899	4.899	(1.185)	48724	10.0000	10.2		
33 2,4-Dimethylphenol	107	4.958	4.958	(1.199)	83604	10.0000	10.3		
36 Bis(2-chloroethoxy)methane	93	5.022	5.022	(1.215)	90476	10.0000	10.9		
34 Benzoic acid	105	5.044	5.044	(0.965)	62024	10.0000	9.60		
37 2,4-Dichlorophenol	162	5.124	5.124	(0.981)	84844	10.0000	10.5		
38 1,2,4-Trichlorobenzene	180	5.183	5.183	(0.992)	103281	10.0000	10.6		
* 39 Naphthalene-d8	136	5.226	5.226	(1.000)	963913	40.0000			
40 Naphthalene	128	5.247	5.247	(1.004)	239276	10.0000	9.79		
43 4-Chloroaniline	65	5.300	5.300	(1.014)	25749	10.0000	9.68		
44 Hexachlorobutadiene	225	5.359	5.359	(1.026)	66831	10.0000	10.8		
50 p-Chloro-m-cresol	107	5.744	5.744	(1.099)	74259	10.0000	9.90		
51 2-Methylnaphthalene	142	5.846	5.846	(1.119)	185762	10.0000	10.7		

						AMOUNTS			
		QUANT SIG					CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
53 1-Methylnaphthalene	115	5.932	5.932	(1.135)	67266	10.0000	10.9		
55 Hexachlorocyclopentadiene	237	5.990	5.990	(1.146)	61668	10.0000	9.25		
56 2,4,6-Trichlorophenol	196	6.103	6.103	(1.168)	70282	10.0000	10.4		
57 2,4,5-Trichlorophenol	196	6.146	6.146	(1.176)	75838	10.0000	10.4		
\$ 58 2-Fluorobiphenyl	172	6.167	6.167	(1.180)	219547	10.0000	9.97		
60 2-Chloronaphthalene	162	6.269	6.269	(1.200)	180145	10.0000	9.89		
62 2-Nitroaniline	138	6.365	6.365	(1.218)	60087	10.0000	9.69		
65 1,4-Dinitrobenzene	168	6.477	6.477	(0.959)	26798	10.0000	9.52		
66 Dimethyl phthalate	163	6.520	6.520	(0.965)	222439	10.0000	10.3		
67 1,3-Dinitrobenzene	168	6.547	6.547	(0.969)	30834	10.0000	9.14		
69 2,6-Dinitrotoluene	165	6.573	6.573	(1.258)	48546	10.0000	9.68		
68 1,2-Dinitrobenzene	168	6.616	6.616	(0.979)	19977	10.0000	9.78		
70 Acenaphthylene	152	6.627	6.627	(1.268)	287779	10.0000	9.92		
72 3-Nitroaniline	138	6.723	6.723	(0.995)	55848	10.0000	10.1		
* 74 Acenaphthene-d10	164	6.755	6.755	(1.000)	655529	40.0000			
75 Acenaphthene	154	6.782	6.782	(1.004)	186371	10.0000	11.0		
76 2,4-Dinitrophenol	184	6.814	6.814	(1.009)	13924	10.0000	9.42		
77 4-Nitrophenol	65	6.916	6.916	(1.024)	33951	10.0000	10.2		
80 2,4-Dinitrotoluene	165	6.926	6.926	(1.025)	66869	10.0000	10.6		
78 Dibenzofuran	168	6.932	6.932	(1.026)	275704	10.0000	10.7		
81 2,3,4,6-Tetrachlorophenol	232	7.017	7.017	(1.039)	64394	10.0000	9.82		
82 2,3,5,6-Tetrachlorophenol	232	7.055	7.055	(1.044)	71359	10.0000	10.1		
83 Diethyl phthalate	149	7.140	7.140	(1.057)	224707	10.0000	9.90		
84 4-Chlorophenyl phenyl ether	204	7.231	7.231	(1.070)	119159	10.0000	10.4		
85 Fluorene	166	7.231	7.231	(1.070)	226411	10.0000	10.5		
86 4-Nitroaniline	138	7.253	7.253	(1.074)	53347	10.0000	9.65		
87 4,6-Dinitro-o-cresol	198	7.285	7.285	(1.078)	33798	10.0000	7.88		
88 NDPA/DPA	169	7.338	7.338	(1.086)	202627	10.0000	10.9		
89 Azobenzene	77	7.370	7.370	(1.091)	180873	10.0000	10.7		
\$ 91 2,4,6-Tribromophenol	330	7.445	7.445	(0.925)	73820	10.0000	10.1		
94 4-Bromophenyl phenyl ether	248	7.659	7.659	(1.134)	92437	10.0000	10.6		
97 Hexachlorobenzene	284	7.718	7.718	(1.143)	123246	10.0000	10.2		
100 Pentachlorophenol	266	7.900	7.900	(0.981)	37634	10.0000	9.16		
* 102 Phenanthrene-d10	188	8.050	8.050	(1.000)	1221858	40.0000			
103 Phenanthrene	178	8.071	8.071	(1.003)	361747	10.0000	10.8		
104 Anthracene	178	8.114	8.114	(1.008)	350075	10.0000	10.4		
106 Carbazole	167	8.258	8.258	(1.026)	324377	10.0000	10.2		
109 Di-n-butylphthalate	149	8.568	8.568	(1.064)	421985	10.0000	11.1		
115 Fluoranthene	202	9.135	9.135	(1.135)	426859	10.0000	11.1		
117 Benzidine	184	9.269	9.269	(1.151)	270601	10.0000	10.1		
119 Pyrene	202	9.360	9.360	(1.163)	474414	10.0000	10.8		
\$ 120 4-Terphenyl-d14	244	9.537	9.537	(1.185)	331572	10.0000	10.1		
122 Butyl benzyl phthalate	149	10.125	10.125	(1.258)	193496	10.0000	10.3		
124 Bis (2-ethylhexyl) adipate	129	10.253	10.253	(2.480)	136645	10.0000	10.7		
127 3,3'-Dichlorobenzidine	252	10.842	10.842	(0.998)	216501	10.0000	10.9		
128 Benzo(a)anthracene	228	10.852	10.852	(0.999)	483437	10.0000	10.7		
* 129 Chrysene-d12	240	10.868	10.868	(1.000)	1755455	40.0000			
131 Chrysene	228	10.906	10.906	(1.003)	480296	10.0000	11.1		
132 Bis(2-ethylhexyl)phthalate	149	10.970	10.970	(1.009)	271303	10.0000	10.6		
137 Di-n-octylphthalate	149	12.034	12.034	(1.107)	431180	10.0000	10.3		
138 Benzo(b)fluoranthene	252	12.553	12.553	(0.951)	548867	10.0000	10.1		
139 Benzo(k)fluoranthene	252	12.601	12.601	(0.955)	543379	10.0000	10.4		
141 Benzo(a)pyrene	252	13.093	13.093	(0.992)	540885	10.0000	10.4		
* 143 Perylene-d12	264	13.200	13.200	(1.000)	2148340	40.0000			

Compounds	QUANT SIG	AMOUNTS							REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ng)	ON -COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
146 Indeno(1,2,3-cd)pyrene	276	14.965	14.965	(1.134)	608200	10.0000	10.2		
147 Dibenzo(a,h)anthracene	278	15.014	15.014	(1.137)	604309	10.0000	10.6		
149 Benzo(ghi)perylene	276	15.383	15.383	(1.165)	637446	10.0000	10.3		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl3.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 20:42

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	266800	133400	533600	250568	-6.08
39 Naphthalene-d8	982885	491443	1965770	963913	-1.93
74 Acenaphthene-d10	674593	337297	1349186	655529	-2.83
102 Phenanthrene-d10	1250723	625362	2501446	1221858	-2.31
129 Chrysene-d12	1835737	917869	3671474	1755455	-4.37
143 Perylene-d12	2208600	1104300	4417200	2148340	-2.73

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.00
74 Acenaphthene-d10	6.76	6.26	7.26	6.76	0.00
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	0.00
129 Chrysene-d12	10.87	10.37	11.37	10.87	0.00
143 Perylene-d12	13.19	12.69	13.69	13.20	0.08

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 14:31

Client ID:

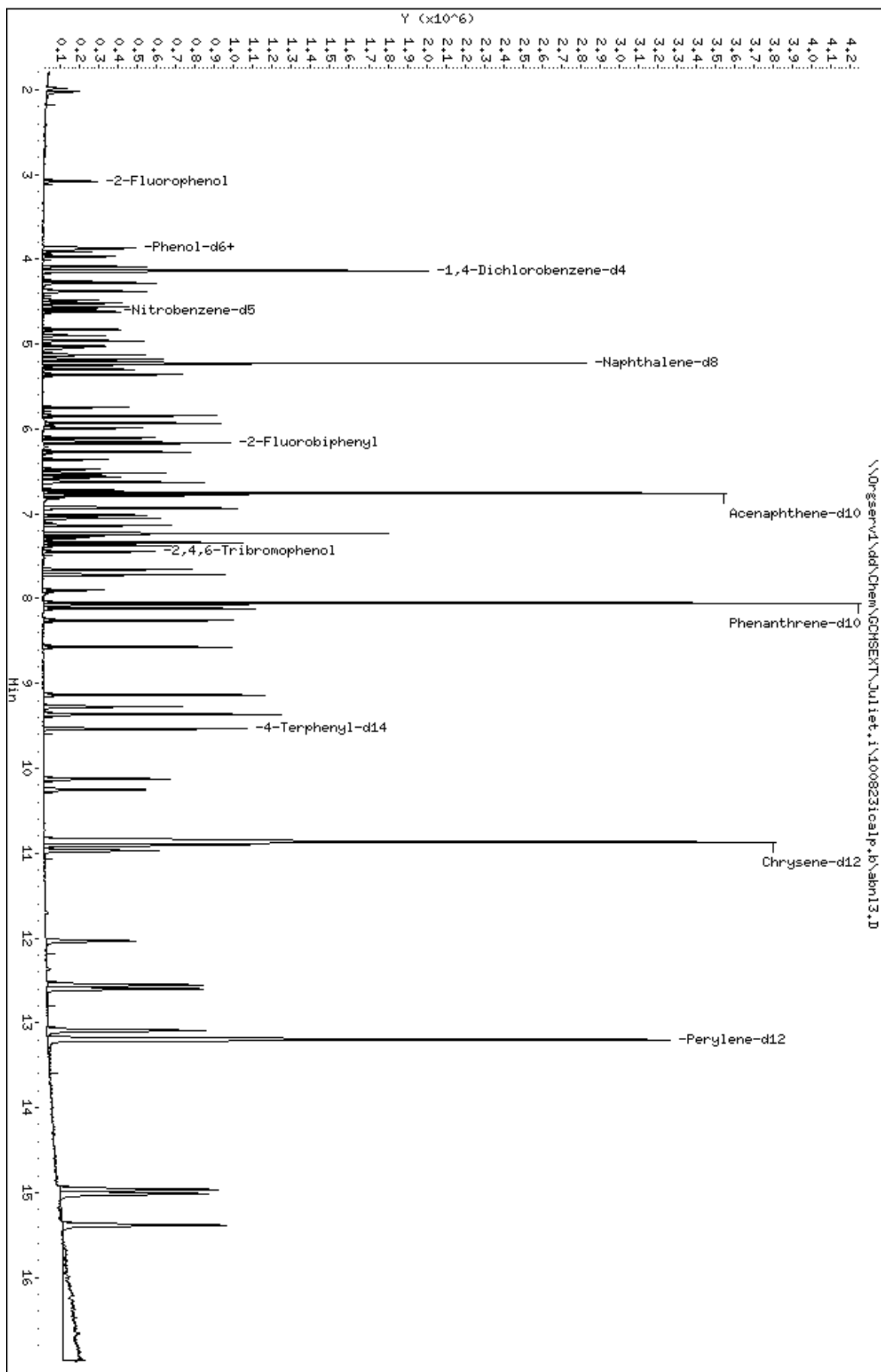
Sample Info: abn 10 lot#3556

Instrument: Juliet.i

Column phase: RTX-5

Operator: h1

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\abnl3.D
Lab Smp Id:
Inj Date : 23-AUG-2010 14:31
Operator : hl
Smp Info : abn 10 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNV2.m
Meth Date : 24-Aug-2010 13:14 Juliet.i
Cal Date : 23-AUG-2010 17:24
Als bottle: 3
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: ABN-6

Inst ID: Juliet.i
Quant Type: ISTD
Cal File: ap9l2.D
Calibration Sample, Level: 3
Compound Sublist: 8270ical.sub

						AMOUNTS			
		QUANT SIG					CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
1 n-Nitrosodimethylamine	74	1.979	1.979	(0.479)	37559	10.0000	10.0		
2 Pyridine	79	2.022	2.022	(0.489)	63453	10.0000	9.13		
\$ 3 2-Fluorophenol	112	3.081	3.081	(0.745)	73460	10.0000	9.86		
\$ 7 Phenol-d6	99	3.867	3.867	(0.935)	94075	10.0000	10.4		
8 Phenol	94	3.878	3.878	(0.938)	96100	10.0000	10.4		
9 Aniline	93	3.862	3.862	(0.934)	119103	10.0000	10.8		
11 Bis(2-chloroethyl)ether	93	3.910	3.910	(0.946)	60526	10.0000	9.45		
12 2-Chlorophenol	128	3.969	3.969	(0.960)	88054	10.0000	10.4		
13 1,3-Dichlorobenzene	146	4.086	4.086	(0.988)	103961	10.0000	11.0		
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	250568	40.0000			
16 1,4-Dichlorobenzene	146	4.150	4.150	(1.004)	101575	10.0000	10.6		
17 Benzyl alcohol	79	4.263	4.263	(1.031)	63239	10.0000	10.1		
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	99269	10.0000	11.0		
19 2-Methylphenol	108	4.380	4.380	(1.060)	73936	10.0000	10.5		
20 Bis(2-chloroisopropyl)ether	45	4.370	4.370	(1.057)	67622	10.0000	10.6		
22 3-Methylphenol/4-Methylphenol	108	4.514	4.514	(1.092)	79541	10.0000	10.3		
24 n-Nitrosodi-n-propylamine	70	4.482	4.482	(1.084)	53870	10.0000	10.8		
26 Hexachloroethane	117	4.562	4.562	(1.103)	40837	10.0000	10.7		
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	82040	10.0000	10.4		
29 Nitrobenzene	77	4.621	4.621	(0.884)	81388	10.0000	10.5		
30 Isophorone	82	4.830	4.830	(1.168)	138546	10.0000	10.0		
32 2-Nitrophenol	139	4.899	4.899	(1.185)	48724	10.0000	10.2		
33 2,4-Dimethylphenol	107	4.958	4.958	(1.199)	83604	10.0000	10.3		
36 Bis(2-chloroethoxy)methane	93	5.022	5.022	(1.215)	90476	10.0000	10.9		
34 Benzoic acid	105	5.044	5.044	(0.965)	62024	10.0000	9.60		
37 2,4-Dichlorophenol	162	5.124	5.124	(0.981)	84844	10.0000	10.5		
38 1,2,4-Trichlorobenzene	180	5.183	5.183	(0.992)	103281	10.0000	10.6		
* 39 Naphthalene-d8	136	5.226	5.226	(1.000)	963913	40.0000			
40 Naphthalene	128	5.247	5.247	(1.004)	239276	10.0000	9.79		
43 4-Chloroaniline	65	5.300	5.300	(1.014)	25749	10.0000	9.68		
44 Hexachlorobutadiene	225	5.359	5.359	(1.026)	66831	10.0000	10.8		
50 p-Chloro-m-cresol	107	5.744	5.744	(1.099)	74259	10.0000	9.90		
51 2-Methylnaphthalene	142	5.846	5.846	(1.119)	185762	10.0000	10.7		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
						CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.932	5.932 (1.135)		67266	10.0000	10.9	
55 Hexachlorocyclopentadiene	237	5.990	5.990 (1.146)		61668	10.0000	9.25	
56 2,4,6-Trichlorophenol	196	6.103	6.103 (1.168)		70282	10.0000	10.4	
57 2,4,5-Trichlorophenol	196	6.146	6.146 (1.176)		75838	10.0000	10.4	
\$ 58 2-Fluorobiphenyl	172	6.167	6.167 (1.180)		219547	10.0000	9.97	
60 2-Chloronaphthalene	162	6.269	6.269 (1.200)		180145	10.0000	9.90	
62 2-Nitroaniline	138	6.365	6.365 (1.218)		60087	10.0000	9.69	
65 1,4-Dinitrobenzene	168	6.477	6.477 (0.959)		26798	10.0000	9.52	
66 Dimethyl phthalate	163	6.520	6.520 (0.965)		222439	10.0000	10.3	
67 1,3-Dinitrobenzene	168	6.547	6.547 (0.969)		30834	10.0000	9.14	
69 2,6-Dinitrotoluene	165	6.573	6.573 (1.258)		48546	10.0000	9.68	
68 1,2-Dinitrobenzene	168	6.616	6.616 (0.979)		19977	10.0000	9.78	
70 Acenaphthylene	152	6.627	6.627 (1.268)		289568	10.0000	9.97(M)	M1
72 3-Nitroaniline	138	6.723	6.723 (0.995)		55848	10.0000	10.1	
* 74 Acenaphthene-d10	164	6.755	6.755 (1.000)		655529	40.0000		
75 Acenaphthene	154	6.782	6.782 (1.004)		186371	10.0000	11.0	
76 2,4-Dinitrophenol	184	6.814	6.814 (1.009)		16792	10.0000	10.2(M)	M2
77 4-Nitrophenol	65	6.916	6.916 (1.024)		33951	10.0000	10.2	
80 2,4-Dinitrotoluene	165	6.926	6.926 (1.025)		66869	10.0000	10.6	
78 Dibenzofuran	168	6.932	6.932 (1.026)		275704	10.0000	10.7	
81 2,3,4,6-Tetrachlorophenol	232	7.017	7.017 (1.039)		64394	10.0000	9.82	
82 2,3,5,6-Tetrachlorophenol	232	7.055	7.055 (1.044)		71359	10.0000	10.1	
83 Diethyl phthalate	149	7.140	7.140 (1.057)		224707	10.0000	9.87	
84 4-Chlorophenyl phenyl ether	204	7.231	7.231 (1.070)		119159	10.0000	10.4	
85 Fluorene	166	7.231	7.231 (1.070)		226411	10.0000	10.5	
86 4-Nitroaniline	138	7.253	7.253 (1.074)		54880	10.0000	9.89(M)	M1
87 4,6-Dinitro-o-cresol	198	7.285	7.285 (1.078)		33798	10.0000	7.88	
88 NDPA/DPA	169	7.338	7.338 (1.086)		202627	10.0000	10.9	
89 Azobenzene	77	7.370	7.370 (1.091)		180873	10.0000	10.7	
\$ 91 2,4,6-Tribromophenol	330	7.445	7.445 (0.925)		73820	10.0000	10.1	
94 4-Bromophenyl phenyl ether	248	7.659	7.659 (1.134)		92437	10.0000	10.6	
97 Hexachlorobenzene	284	7.718	7.718 (1.143)		123246	10.0000	10.2	
100 Pentachlorophenol	266	7.900	7.900 (0.981)		37634	10.0000	9.05	
* 102 Phenanthrene-d10	188	8.050	8.050 (1.000)		1221858	40.0000		
103 Phenanthrene	178	8.071	8.071 (1.003)		361747	10.0000	10.8	
104 Anthracene	178	8.114	8.114 (1.008)		350075	10.0000	10.4	
106 Carbazole	167	8.258	8.258 (1.026)		324377	10.0000	10.2	
109 Di-n-butylphthalate	149	8.568	8.568 (1.064)		421985	10.0000	11.1	
115 Fluoranthene	202	9.135	9.135 (1.135)		426859	10.0000	11.1	
117 Benzidine	184	9.269	9.269 (1.151)		270601	10.0000	10.1	
119 Pyrene	202	9.360	9.360 (1.163)		474414	10.0000	10.8	
\$ 120 4-Terphenyl-d14	244	9.537	9.537 (1.185)		331572	10.0000	10.1	
122 Butyl benzyl phthalate	149	10.125	10.125 (1.258)		193496	10.0000	10.3	
124 Bis (2-ethylhexyl) adipate	129	10.253	10.253 (2.480)		136645	10.0000	10.7	
127 3,3'-Dichlorobenzidine	252	10.842	10.842 (0.998)		216501	10.0000	10.9	
128 Benzo(a)anthracene	228	10.852	10.852 (0.999)		483437	10.0000	10.7	
* 129 Chrysene-d12	240	10.868	10.868 (1.000)		1755455	40.0000		
131 Chrysene	228	10.906	10.906 (1.003)		480296	10.0000	11.1	
132 Bis(2-ethylhexyl)phthalate	149	10.970	10.970 (1.009)		271303	10.0000	10.6	
137 Di-n-octylphthalate	149	12.034	12.034 (1.107)		431180	10.0000	10.3	
138 Benzo(b)fluoranthene	252	12.553	12.553 (0.951)		548867	10.0000	10.1	
139 Benzo(k)fluoranthene	252	12.601	12.601 (0.955)		543379	10.0000	10.4	
141 Benzo(a)pyrene	252	13.093	13.093 (0.992)		540885	10.0000	10.4	
* 143 Perylene-d12	264	13.200	13.200 (1.000)		2148340	40.0000		

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ng)	ON -COL (ng)
=====	=====	=====	=====	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	14.965	14.965	(1.134)	608200	10.0000	10.2(H)	M3
147 Dibenzo(a,h)anthracene	278	15.014	15.014	(1.137)	604309	10.0000	10.6	
149 Benzo(ghi)perylene	276	15.383	15.383	(1.165)	637446	10.0000	10.3	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl3.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 20:42

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	253053	126527	506106	250568	-0.98
39 Naphthalene-d8	1005602	502801	2011204	963913	-4.15
74 Acenaphthene-d10	639767	319884	1279534	655529	2.46
102 Phenanthrene-d10	1268492	634246	2536984	1221858	-3.68
129 Chrysene-d12	1894731	947366	3789462	1755455	-7.35
143 Perylene-d12	2338651	1169326	4677302	2148340	-8.14

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.76	0.08
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	0.00
129 Chrysene-d12	10.86	10.36	11.36	10.87	0.05
143 Perylene-d12	13.20	12.70	13.70	13.20	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 14:31

Client ID:

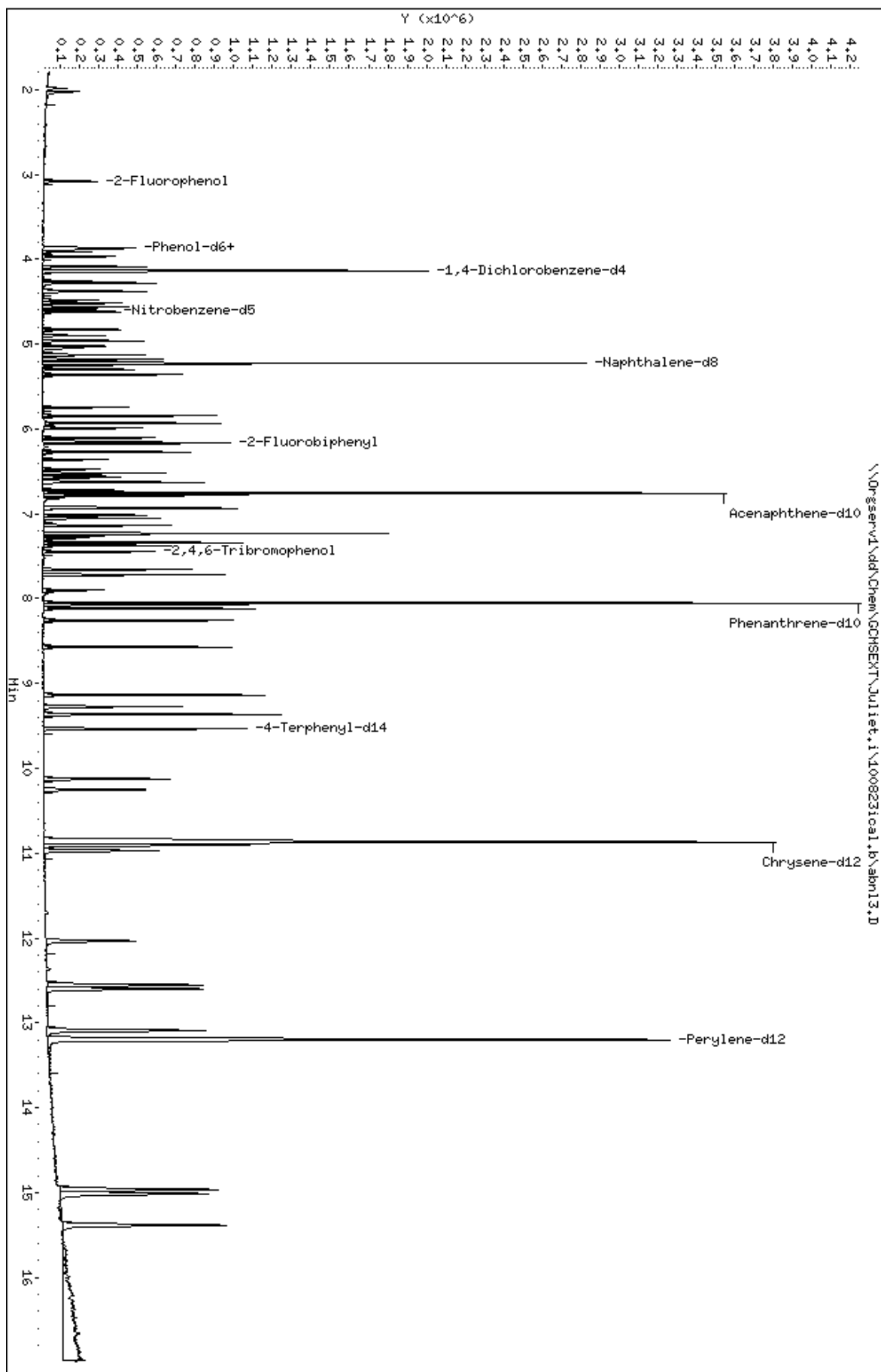
Sample Info: abn 10 lot#3556

Instrument: Juliet.i

Column phase: RTX-5

Operator: h1

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\abnl4.D
Lab Smp Id:
Inj Date : 23-AUG-2010 14:56
Operator : hl Inst ID: Juliet.i
Smp Info : abn 20 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:18 aal Quant Type: ISTD
Cal Date : 23-AUG-2010 18:14 Cal File: ap9l4.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270ical.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS		
QUANT SIG						CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.979	1.979	(0.479)	69895	20.0000	20.6	
2 Pyridine	79	2.016	2.016	(0.488)	140545	20.0000	22.3	
\$ 3 2-Fluorophenol	112	3.075	3.075	(0.744)	134648	20.0000	19.9	
\$ 7 Phenol-d6	99	3.867	3.867	(0.935)	165348	20.0000	20.2	
8 Phenol	94	3.878	3.878	(0.938)	172119	20.0000	20.6	
9 Aniline	93	3.862	3.862	(0.934)	208719	20.0000	20.8	
11 Bis(2-chloroethyl)ether	93	3.910	3.910	(0.946)	128566	20.0000	22.1	
12 2-Chlorophenol	128	3.969	3.969	(0.960)	157617	20.0000	20.6	
13 1,3-Dichlorobenzene	146	4.086	4.086	(0.988)	166000	20.0000	19.2	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	227595	40.0000		
16 1,4-Dichlorobenzene	146	4.150	4.150	(1.004)	178965	20.0000	20.5	
17 Benzyl alcohol	79	4.257	4.257	(1.030)	121474	20.0000	21.3	
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	169975	20.0000	20.7	
19 2-Methylphenol	108	4.380	4.380	(1.060)	125562	20.0000	19.6	
20 Bis(2-chloroisopropyl)ether	45	4.370	4.370	(1.057)	116514	20.0000	20.4	
22 3-Methylphenol/4-Methylphenol	108	4.514	4.514	(1.092)	137481	20.0000	19.6	
24 n-Nitrosodi-n-propylamine	70	4.482	4.482	(1.084)	100036	20.0000	22.0	
26 Hexachloroethane	117	4.562	4.562	(1.103)	67170	20.0000	19.4	
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	150085	20.0000	21.0	
29 Nitrobenzene	77	4.621	4.621	(0.884)	139976	20.0000	20.1	
30 Isophorone	82	4.830	4.830	(1.168)	258920	20.0000	20.6	
32 2-Nitrophenol	139	4.899	4.899	(1.185)	85452	20.0000	19.7	
33 2,4-Dimethylphenol	107	4.958	4.958	(1.199)	153238	20.0000	20.8	
36 Bis(2-chloroethoxy)methane	93	5.022	5.022	(1.215)	157717	20.0000	20.9	
34 Benzoic acid	105	5.054	5.054	(0.967)	114897	20.0000	19.8	
37 2,4-Dichlorophenol	162	5.124	5.124	(0.981)	148133	20.0000	20.4	
38 1,2,4-Trichlorobenzene	180	5.183	5.183	(0.992)	178129	20.0000	20.4	
* 39 Naphthalene-d8	136	5.225	5.225	(1.000)	864988	40.0000		
40 Naphthalene	128	5.242	5.242	(1.003)	455002	20.0000	20.8	
43 4-Chloroaniline	65	5.300	5.300	(1.014)	49179	20.0000	20.6	
44 Hexachlorobutadiene	225	5.359	5.359	(1.026)	111799	20.0000	20.1	
50 p-Chloro-m-cresol	107	5.744	5.744	(1.099)	139904	20.0000	20.8	
51 2-Methylnaphthalene	142	5.846	5.846	(1.119)	341981	20.0000	21.9	

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL	RT	EXP RT	REL RT	RESPONSE	
=====	=====	(ng)	(ng)	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.932	5.932 (1.135)	116234	20.0000	20.9		
55 Hexachlorocyclopentadiene	237	5.990	5.990 (1.146)	122343	20.0000	20.4		
56 2,4,6-Trichlorophenol	196	6.103	6.103 (1.168)	131217	20.0000	21.6		
57 2,4,5-Trichlorophenol	196	6.145	6.145 (1.176)	131534	20.0000	20.1		
\$ 58 2-Fluorobiphenyl	172	6.167	6.167 (1.180)	388778	20.0000	19.7		
60 2-Chloronaphthalene	162	6.268	6.268 (1.200)	345738	20.0000	21.1		
62 2-Nitroaniline	138	6.365	6.365 (1.218)	118126	20.0000	21.2		
65 1,4-Dinitrobenzene	168	6.477	6.477 (0.959)	52736	20.0000	20.1		
66 Dimethyl phthalate	163	6.525	6.525 (0.966)	437110	20.0000	21.7		
67 1,3-Dinitrobenzene	168	6.547	6.547 (0.969)	64597	20.0000	20.5		
69 2,6-Dinitrotoluene	165	6.573	6.573 (1.258)	101404	20.0000	22.5		
68 1,2-Dinitrobenzene	168	6.616	6.616 (0.979)	39539	20.0000	20.8		
70 Acenaphthylene	152	6.627	6.627 (1.268)	542523	20.0000	20.9		
72 3-Nitroaniline	138	6.723	6.723 (0.995)	107817	20.0000	21.0		
* 74 Acenaphthene-d10	164	6.755	6.755 (1.000)	611229	40.0000			
75 Acenaphthene	154	6.782	6.782 (1.004)	320790	20.0000	20.3		
76 2,4-Dinitrophenol	184	6.814	6.814 (1.009)	41869	20.0000	18.0		
77 4-Nitrophenol	65	6.916	6.916 (1.024)	71052	20.0000	22.8		
80 2,4-Dinitrotoluene	165	6.926	6.926 (1.025)	135997	20.0000	23.1		
78 Dibenzofuran	168	6.932	6.932 (1.026)	507066	20.0000	21.1		
81 2,3,4,6-Tetrachlorophenol	232	7.017	7.017 (1.039)	126106	20.0000	20.6		
82 2,3,5,6-Tetrachlorophenol	232	7.055	7.055 (1.044)	133196	20.0000	20.2		
83 Diethyl phthalate	149	7.140	7.140 (1.057)	445145	20.0000	21.0		
84 4-Chlorophenyl phenyl ether	204	7.231	7.231 (1.070)	226877	20.0000	21.3		
85 Fluorene	166	7.231	7.231 (1.070)	429330	20.0000	21.3		
86 4-Nitroaniline	138	7.258	7.258 (1.074)	105149	20.0000	20.4		
87 4,6-Dinitro-o-cresol	198	7.285	7.285 (1.078)	71701	20.0000	17.9		
88 NDPA/DPA	169	7.338	7.338 (1.086)	359781	20.0000	20.7		
89 Azobenzene	77	7.370	7.370 (1.091)	338026	20.0000	21.4		
\$ 91 2,4,6-Tribromophenol	330	7.445	7.445 (0.925)	142956	20.0000	20.7		
94 4-Bromophenyl phenyl ether	248	7.659	7.659 (1.134)	166785	20.0000	20.5		
97 Hexachlorobenzene	284	7.723	7.723 (1.143)	231518	20.0000	20.6		
100 Pentachlorophenol	266	7.900	7.900 (0.981)	85568	20.0000	17.7		
* 102 Phenanthrene-d10	188	8.050	8.050 (1.000)	1157032	40.0000			
103 Phenanthrene	178	8.071	8.071 (1.003)	655860	20.0000	20.7		
104 Anthracene	178	8.114	8.114 (1.008)	648545	20.0000	20.4		
106 Carbazole	167	8.264	8.264 (1.027)	603416	20.0000	20.0		
109 Di-n-butylphthalate	149	8.568	8.568 (1.064)	776524	20.0000	21.6		
115 Fluoranthene	202	9.135	9.135 (1.135)	777544	20.0000	21.4		
117 Benzidine	184	9.274	9.274 (1.152)	569914	20.0000	22.5		
119 Pyrene	202	9.360	9.360 (1.163)	883888	20.0000	21.3		
\$ 120 4-Terphenyl-d14	244	9.537	9.537 (1.185)	652556	20.0000	21.1		
122 Butyl benzyl phthalate	149	10.125	10.125 (1.258)	376272	20.0000	21.1		
124 Bis (2-ethylhexyl) adipate	129	10.253	10.253 (2.480)	279544	20.0000	24.1		
127 3,3'-Dichlorobenzidine	252	10.842	10.842 (0.997)	427935	20.0000	20.2		
128 Benzo(a)anthracene	228	10.852	10.852 (0.998)	982302	20.0000	20.4		
* 129 Chrysene-d12	240	10.874	10.874 (1.000)	1863640	40.0000			
131 Chrysene	228	10.906	10.906 (1.003)	911290	20.0000	19.9		
132 Bis(2-ethylhexyl)phthalate	149	10.970	10.970 (1.009)	576281	20.0000	21.3		
137 Di-n-octylphthalate	149	12.034	12.034 (1.107)	937334	20.0000	21.1		
138 Benzo(b)fluoranthene	252	12.558	12.558 (0.951)	1123806	20.0000	19.2		
139 Benzo(k)fluoranthene	252	12.601	12.601 (0.955)	1193135	20.0000	21.3		
141 Benzo(a)pyrene	252	13.093	13.093 (0.992)	1144720	20.0000	20.6		
* 143 Perylene-d12	264	13.200	13.200 (1.000)	2306086	40.0000			

Compounds	QUANT SIG	AMOUNTS							REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ng)	ON -COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
146 Indeno(1,2,3-cd)pyrene	276	14.965	14.965	(1.134)	1211553	20.0000	18.9		
147 Dibenzo(a,h)anthracene	278	15.014	15.014	(1.137)	1249394	20.0000	20.4		
149 Benzo(ghi)perylene	276	15.388	15.388	(1.166)	1347899	20.0000	20.3		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl4.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 20:42

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	266800	133400	533600	227595	-14.69
39 Naphthalene-d8	982885	491443	1965770	864988	-11.99
74 Acenaphthene-d10	674593	337297	1349186	611229	-9.39
102 Phenanthrene-d10	1250723	625362	2501446	1157032	-7.49
129 Chrysene-d12	1835737	917869	3671474	1863640	1.52
143 Perylene-d12	2208600	1104300	4417200	2306086	4.41

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.00
74 Acenaphthene-d10	6.76	6.26	7.26	6.76	-0.00
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	-0.00
129 Chrysene-d12	10.87	10.37	11.37	10.87	0.05
143 Perylene-d12	13.19	12.69	13.69	13.20	0.08

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 14:56

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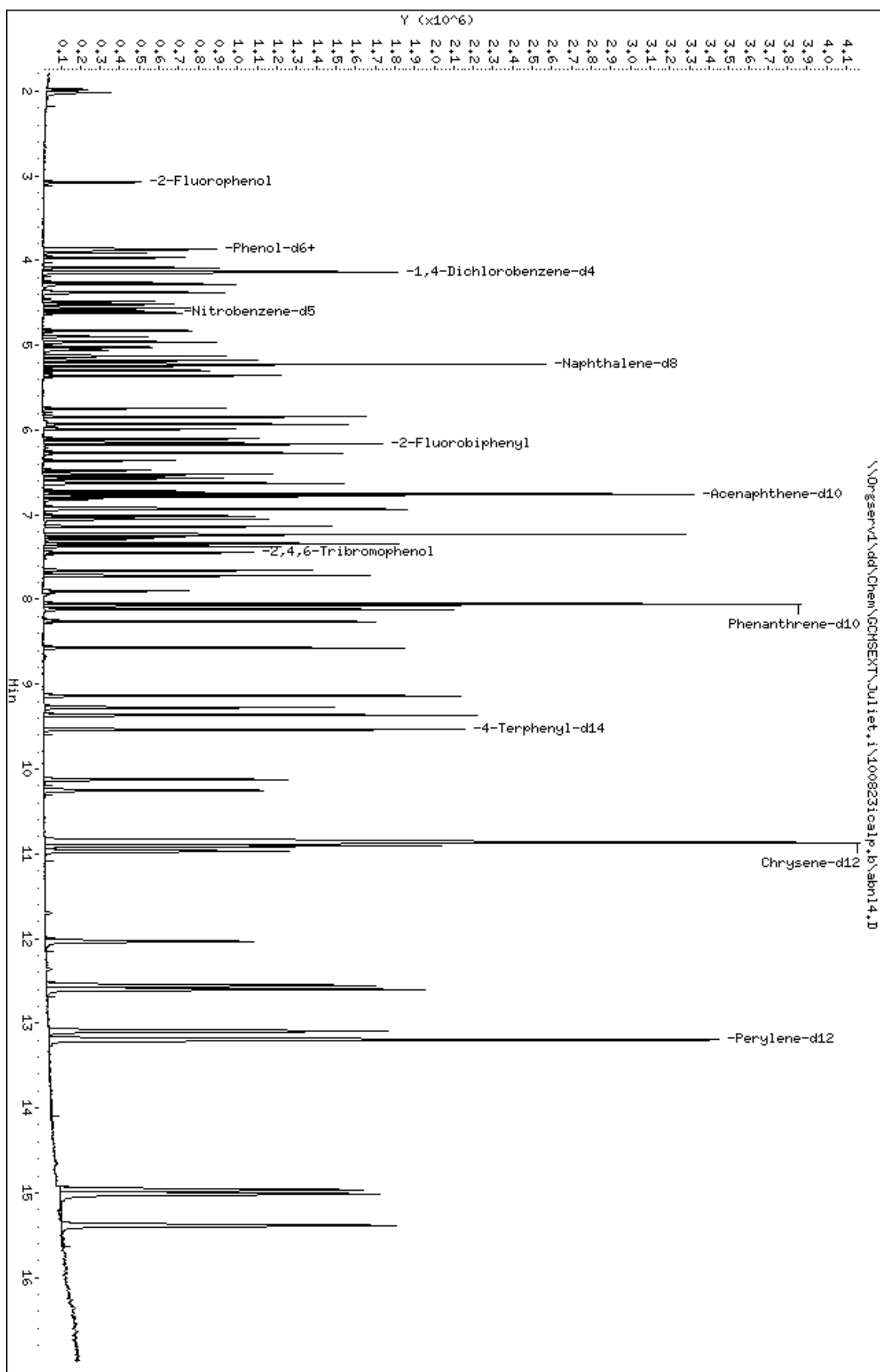
Sample Info: abn 20 lot#3556

Instrument: Juliet.i

Column phase: RTX-5

Operator: hl

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\abnl4.D
Lab Smp Id:
Inj Date : 23-AUG-2010 14:56
Operator : hl Inst ID: Juliet.i
Smp Info : abn 20 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNV2.m
Meth Date : 24-Aug-2010 13:14 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 17:49 Cal File: ap9l3.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270ical.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ng)	ON -COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.979	1.979	(0.479)	69895	20.0000	20.6		
2 Pyridine	79	2.016	2.016	(0.488)	140545	20.0000	22.3		
\$ 3 2-Fluorophenol	112	3.075	3.075	(0.744)	134648	20.0000	19.9		
\$ 7 Phenol-d6	99	3.867	3.867	(0.935)	165348	20.0000	20.2		
8 Phenol	94	3.878	3.878	(0.938)	172119	20.0000	20.6		
9 Aniline	93	3.862	3.862	(0.934)	208719	20.0000	20.8		
11 Bis(2-chloroethyl)ether	93	3.910	3.910	(0.946)	128566	20.0000	22.1		
12 2-Chlorophenol	128	3.969	3.969	(0.960)	157617	20.0000	20.6		
13 1,3-Dichlorobenzene	146	4.086	4.086	(0.988)	166000	20.0000	19.2		
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	227595	40.0000			
16 1,4-Dichlorobenzene	146	4.150	4.150	(1.004)	178965	20.0000	20.5		
17 Benzyl alcohol	79	4.257	4.257	(1.030)	121474	20.0000	21.3		
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	169975	20.0000	20.7		
19 2-Methylphenol	108	4.380	4.380	(1.060)	125562	20.0000	19.6		
20 Bis(2-chloroisopropyl)ether	45	4.370	4.370	(1.057)	116514	20.0000	20.1		
22 3-Methylphenol/4-Methylphenol	108	4.514	4.514	(1.092)	137481	20.0000	19.6		
24 n-Nitrosodi-n-propylamine	70	4.482	4.482	(1.084)	100036	20.0000	22.0		
26 Hexachloroethane	117	4.562	4.562	(1.103)	67170	20.0000	19.4		
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	150085	20.0000	21.0		
29 Nitrobenzene	77	4.621	4.621	(0.884)	139976	20.0000	20.1		
30 Isophorone	82	4.830	4.830	(1.168)	258920	20.0000	20.6		
32 2-Nitrophenol	139	4.899	4.899	(1.185)	85452	20.0000	19.7		
33 2,4-Dimethylphenol	107	4.958	4.958	(1.199)	153238	20.0000	20.8		
36 Bis(2-chloroethoxy)methane	93	5.022	5.022	(1.215)	157717	20.0000	20.9		
34 Benzoic acid	105	5.054	5.054	(0.967)	114897	20.0000	19.8		
37 2,4-Dichlorophenol	162	5.124	5.124	(0.981)	148133	20.0000	20.4		
38 1,2,4-Trichlorobenzene	180	5.183	5.183	(0.992)	178129	20.0000	20.4		
* 39 Naphthalene-d8	136	5.225	5.225	(1.000)	864988	40.0000			
40 Naphthalene	128	5.242	5.242	(1.003)	455002	20.0000	20.8		
43 4-Chloroaniline	65	5.300	5.300	(1.014)	49179	20.0000	20.6		
44 Hexachlorobutadiene	225	5.359	5.359	(1.026)	111799	20.0000	20.1		
50 p-Chloro-m-cresol	107	5.744	5.744	(1.099)	139904	20.0000	20.8		
51 2-Methylnaphthalene	142	5.846	5.846	(1.119)	341981	20.0000	21.9		

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.932	5.932 (1.135)		116234	20.0000	20.9	
55 Hexachlorocyclopentadiene	237	5.990	5.990 (1.146)		122343	20.0000	20.4	
56 2,4,6-Trichlorophenol	196	6.103	6.103 (1.168)		131217	20.0000	21.6	
57 2,4,5-Trichlorophenol	196	6.145	6.145 (1.176)		131534	20.0000	20.1	
\$ 58 2-Fluorobiphenyl	172	6.167	6.167 (1.180)		388778	20.0000	19.7	
60 2-Chloronaphthalene	162	6.268	6.268 (1.200)		345738	20.0000	21.2	
62 2-Nitroaniline	138	6.365	6.365 (1.218)		118126	20.0000	21.2	
65 1,4-Dinitrobenzene	168	6.477	6.477 (0.959)		52736	20.0000	20.1	
66 Dimethyl phthalate	163	6.525	6.525 (0.966)		437110	20.0000	21.7	
67 1,3-Dinitrobenzene	168	6.547	6.547 (0.969)		64597	20.0000	20.5	
69 2,6-Dinitrotoluene	165	6.573	6.573 (1.258)		101404	20.0000	22.5	
68 1,2-Dinitrobenzene	168	6.616	6.616 (0.979)		39539	20.0000	20.8	
70 Acenaphthylene	152	6.627	6.627 (1.268)		545429	20.0000	20.9(M)	M1
72 3-Nitroaniline	138	6.723	6.723 (0.995)		107817	20.0000	21.0	
* 74 Acenaphthene-d10	164	6.755	6.755 (1.000)		611229	40.0000		
75 Acenaphthene	154	6.782	6.782 (1.004)		320790	20.0000	20.3	
76 2,4-Dinitrophenol	184	6.814	6.814 (1.009)		41869	20.0000	17.9	
77 4-Nitrophenol	65	6.916	6.916 (1.024)		71052	20.0000	22.8	
80 2,4-Dinitrotoluene	165	6.926	6.926 (1.025)		135997	20.0000	23.1	
78 Dibenzofuran	168	6.932	6.932 (1.026)		507066	20.0000	21.1	
81 2,3,4,6-Tetrachlorophenol	232	7.017	7.017 (1.039)		126106	20.0000	20.6	
82 2,3,5,6-Tetrachlorophenol	232	7.055	7.055 (1.044)		133196	20.0000	20.2	
83 Diethyl phthalate	149	7.140	7.140 (1.057)		445145	20.0000	21.0	
84 4-Chlorophenyl phenyl ether	204	7.231	7.231 (1.070)		226877	20.0000	21.3	
85 Fluorene	166	7.231	7.231 (1.070)		429330	20.0000	21.3	
86 4-Nitroaniline	138	7.258	7.258 (1.074)		105149	20.0000	20.3	
87 4,6-Dinitro-o-cresol	198	7.285	7.285 (1.078)		71701	20.0000	17.9	
88 NDPA/DPA	169	7.338	7.338 (1.086)		359781	20.0000	20.7	
89 Azobenzene	77	7.370	7.370 (1.091)		338026	20.0000	21.4	
\$ 91 2,4,6-Tribromophenol	330	7.445	7.445 (0.925)		142956	20.0000	20.7	
94 4-Bromophenyl phenyl ether	248	7.659	7.659 (1.134)		166785	20.0000	20.5	
97 Hexachlorobenzene	284	7.723	7.723 (1.143)		231518	20.0000	20.6	
100 Pentachlorophenol	266	7.900	7.900 (0.981)		85568	20.0000	17.6	
* 102 Phenanthrene-d10	188	8.050	8.050 (1.000)		1157032	40.0000		
103 Phenanthrene	178	8.071	8.071 (1.003)		655860	20.0000	20.7	
104 Anthracene	178	8.114	8.114 (1.008)		648545	20.0000	20.4	
106 Carbazole	167	8.264	8.264 (1.027)		603416	20.0000	20.0	
109 Di-n-butylphthalate	149	8.568	8.568 (1.064)		776524	20.0000	21.5	
115 Fluoranthene	202	9.135	9.135 (1.135)		777544	20.0000	21.4	
117 Benzidine	184	9.274	9.274 (1.152)		569914	20.0000	22.5	
119 Pyrene	202	9.360	9.360 (1.163)		883888	20.0000	21.3	
\$ 120 4-Terphenyl-d14	244	9.537	9.537 (1.185)		652556	20.0000	21.1	
122 Butyl benzyl phthalate	149	10.125	10.125 (1.258)		376272	20.0000	21.1	
124 Bis (2-ethylhexyl) adipate	129	10.253	10.253 (2.480)		279544	20.0000	24.1	
127 3,3'-Dichlorobenzidine	252	10.842	10.842 (0.997)		427935	20.0000	20.2	
128 Benzo(a)anthracene	228	10.852	10.852 (0.998)		982302	20.0000	20.4	
* 129 Chrysene-d12	240	10.874	10.874 (1.000)		1863640	40.0000		
131 Chrysene	228	10.906	10.906 (1.003)		911290	20.0000	19.9	
132 Bis(2-ethylhexyl)phthalate	149	10.970	10.970 (1.009)		576281	20.0000	21.3	
137 Di-n-octylphthalate	149	12.034	12.034 (1.107)		937334	20.0000	21.1	
138 Benzo(b)fluoranthene	252	12.558	12.558 (0.951)		1123806	20.0000	19.2	
139 Benzo(k)fluoranthene	252	12.601	12.601 (0.955)		1193135	20.0000	21.3	
141 Benzo(a)pyrene	252	13.093	13.093 (0.992)		1144720	20.0000	20.6	
* 143 Perylene-d12	264	13.200	13.200 (1.000)		2306086	40.0000		

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	14.965	14.965	(1.134)	1211553	20.0000	18.9(H)	M3	
147 Dibenzo(a,h)anthracene	278	15.014	15.014	(1.137)	1249394	20.0000	20.4		
149 Benzo(ghi)perylene	276	15.388	15.388	(1.166)	1347899	20.0000	20.3		

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl4.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 20:42
Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	253053	126527	506106	227595	-10.06
39 Naphthalene-d8	1005602	502801	2011204	864988	-13.98
74 Acenaphthene-d10	639767	319884	1279534	611229	-4.46
102 Phenanthrene-d10	1268492	634246	2536984	1157032	-8.79
129 Chrysene-d12	1894731	947366	3789462	1863640	-1.64
143 Perylene-d12	2338651	1169326	4677302	2306086	-1.39

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.76	0.08
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	-0.00
129 Chrysene-d12	10.86	10.36	11.36	10.87	0.10
143 Perylene-d12	13.20	12.70	13.70	13.20	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 14:56

Client ID:

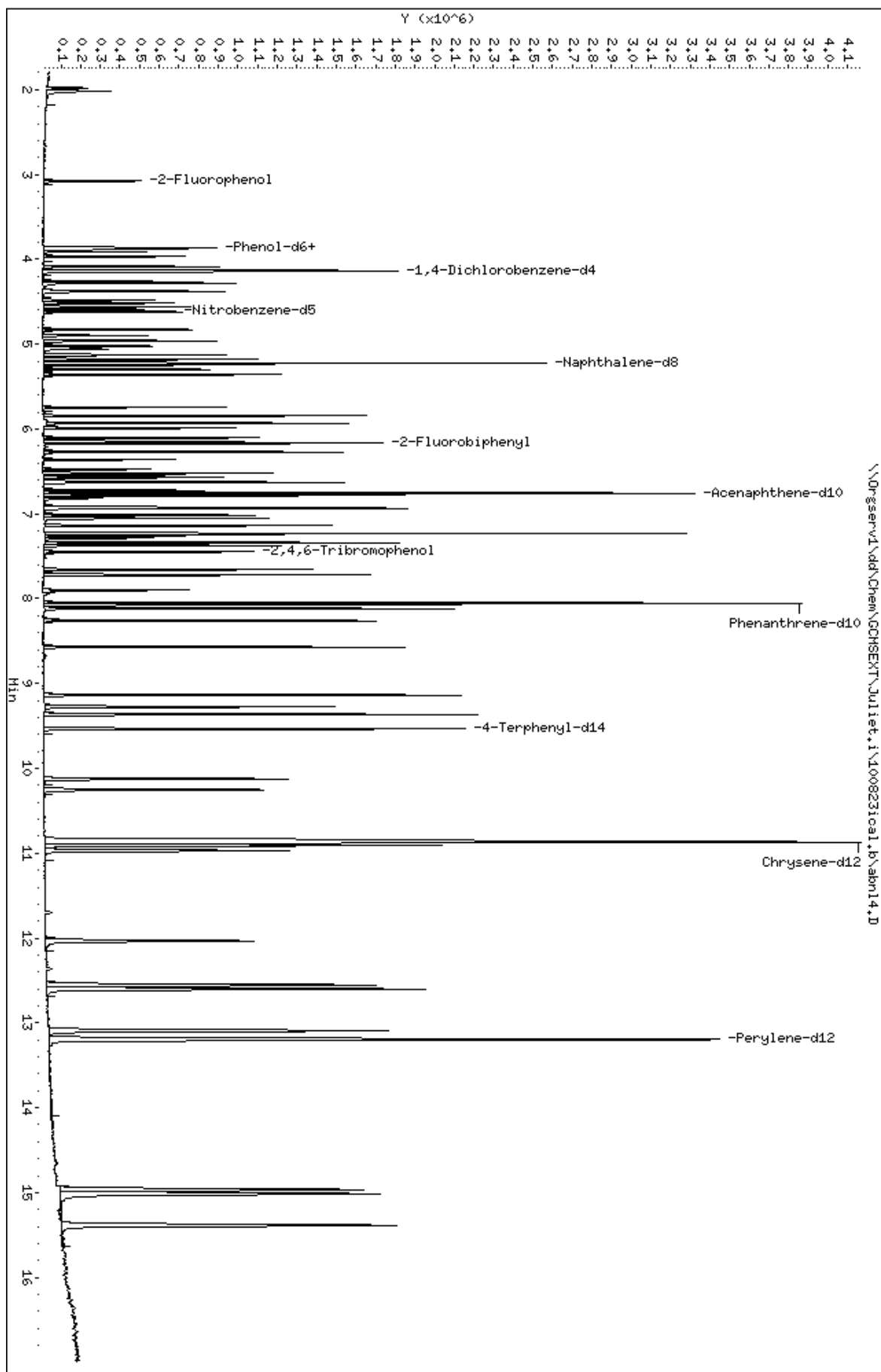
Sample Info: abn 20 lot#3556

Instrument: Juliet.i

Column phase: RTX-5

Operator: hl

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\abnl5.D
Lab Smp Id:
Inj Date : 23-AUG-2010 15:21
Operator : hl
Smp Info : abn 50 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:18 aal
Cal Date : 23-AUG-2010 18:39
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: ABN-6

Inst ID: Juliet.i
Quant Type: ISTD
Cal File: ap9l5.D
Calibration Sample, Level: 5
Compound Sublist: 8270ical.sub

						AMOUNTS		
QUANT SIG						CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.979	1.979	(0.479)	190389	50.0000	53.1	
2 Pyridine	79	2.011	2.011	(0.486)	345022	50.0000	51.9	
\$ 3 2-Fluorophenol	112	3.081	3.081	(0.745)	358285	50.0000	50.3	
\$ 7 Phenol-d6	99	3.867	3.867	(0.935)	412767	50.0000	47.8	
8 Phenol	94	3.878	3.878	(0.938)	426235	50.0000	48.5	
9 Aniline	93	3.862	3.862	(0.934)	513614	50.0000	48.5	
11 Bis(2-chloroethyl)ether	93	3.910	3.910	(0.946)	281850	50.0000	46.0	
12 2-Chlorophenol	128	3.969	3.969	(0.960)	405944	50.0000	50.3	
13 1,3-Dichlorobenzene	146	4.086	4.086	(0.988)	459118	50.0000	50.6	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	239797	40.0000		
16 1,4-Dichlorobenzene	146	4.150	4.150	(1.004)	479866	50.0000	52.1	
17 Benzyl alcohol	79	4.263	4.263	(1.031)	306388	50.0000	51.0	
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	445512	50.0000	51.5	
19 2-Methylphenol	108	4.380	4.380	(1.060)	347239	50.0000	51.4	
20 Bis(2-chloroisopropyl)ether	45	4.370	4.370	(1.057)	302844	50.0000	50.2	
22 3-Methylphenol/4-Methylphenol	108	4.514	4.514	(1.092)	365930	50.0000	49.5	
24 n-Nitrosodi-n-propylamine	70	4.482	4.482	(1.084)	248068	50.0000	51.8	
26 Hexachloroethane	117	4.568	4.568	(1.105)	183204	50.0000	50.2	
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	380763	50.0000	50.7	
29 Nitrobenzene	77	4.621	4.621	(0.883)	367488	50.0000	51.7	
30 Isophorone	82	4.830	4.830	(1.168)	686451	50.0000	51.8	
32 2-Nitrophenol	139	4.899	4.899	(1.185)	244293	50.0000	53.4	
33 2,4-Dimethylphenol	107	4.963	4.963	(1.201)	401171	50.0000	51.6	
36 Bis(2-chloroethoxy)methane	93	5.022	5.022	(1.215)	396599	50.0000	49.9	
34 Benzoic acid	105	5.081	5.081	(0.971)	304689	50.0000	51.5	
37 2,4-Dichlorophenol	162	5.124	5.124	(0.980)	382886	50.0000	51.8	
38 1,2,4-Trichlorobenzene	180	5.183	5.183	(0.991)	461403	50.0000	51.8	
* 39 Naphthalene-d8	136	5.231	5.231	(1.000)	881805	40.0000		
40 Naphthalene	128	5.247	5.247	(1.003)	1119731	50.0000	50.1	
43 4-Chloroaniline	65	5.300	5.300	(1.013)	126388	50.0000	51.9	
44 Hexachlorobutadiene	225	5.359	5.359	(1.025)	289343	50.0000	51.0	
50 p-Chloro-m-cresol	107	5.750	5.750	(1.099)	353988	50.0000	51.6	
51 2-Methylnaphthalene	142	5.851	5.851	(1.119)	836620	50.0000	52.6	

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.931	5.931 (1.134)		302711	50.0000	53.4	
55 Hexachlorocyclopentadiene	237	5.990	5.990 (1.145)		361829	50.0000	59.4	
56 2,4,6-Trichlorophenol	196	6.108	6.108 (1.168)		327426	50.0000	52.8	
57 2,4,5-Trichlorophenol	196	6.145	6.145 (1.175)		349116	50.0000	52.3	
\$ 58 2-Fluorobiphenyl	172	6.172	6.172 (1.180)		943572	50.0000	46.8	
60 2-Chloronaphthalene	162	6.268	6.268 (1.198)		831182	50.0000	49.9	
62 2-Nitroaniline	138	6.365	6.365 (1.217)		302330	50.0000	53.3	
65 1,4-Dinitrobenzene	168	6.482	6.482 (0.960)		145219	50.0000	57.0	
66 Dimethyl phthalate	163	6.531	6.531 (0.967)		985557	50.0000	50.4	
67 1,3-Dinitrobenzene	168	6.552	6.552 (0.970)		167259	50.0000	54.8	
69 2,6-Dinitrotoluene	165	6.579	6.579 (1.258)		229795	50.0000	50.1	
68 1,2-Dinitrobenzene	168	6.621	6.621 (0.980)		101381	50.0000	54.8	
70 Acenaphthylene	152	6.632	6.632 (1.268)		1331407	50.0000	50.2	
72 3-Nitroaniline	138	6.728	6.728 (0.996)		261362	50.0000	52.4	
* 74 Acenaphthene-d10	164	6.755	6.755 (1.000)		593064	40.0000		
75 Acenaphthene	154	6.782	6.782 (1.004)		748072	50.0000	48.8	
76 2,4-Dinitrophenol	184	6.819	6.819 (1.010)		136905	50.0000	47.6	
77 4-Nitrophenol	65	6.916	6.916 (1.024)		170438	50.0000	56.5	
80 2,4-Dinitrotoluene	165	6.932	6.932 (1.026)		315707	50.0000	55.2	
78 Dibenzofuran	168	6.937	6.937 (1.027)		1195840	50.0000	51.2	
81 2,3,4,6-Tetrachlorophenol	232	7.017	7.017 (1.039)		322271	50.0000	54.3	
82 2,3,5,6-Tetrachlorophenol	232	7.055	7.055 (1.044)		340857	50.0000	53.2	
83 Diethyl phthalate	149	7.146	7.146 (1.058)		1041023	50.0000	50.7	
84 4-Chlorophenyl phenyl ether	204	7.237	7.237 (1.071)		522111	50.0000	50.6	
85 Fluorene	166	7.237	7.237 (1.071)		981792	50.0000	50.3	
86 4-Nitroaniline	138	7.263	7.263 (1.075)		259267	50.0000	51.8	
87 4,6-Dinitro-o-cresol	198	7.290	7.290 (1.079)		216647	50.0000	55.8	
88 NDPA/DPA	169	7.344	7.344 (1.087)		854690	50.0000	50.8	
89 Azobenzene	77	7.376	7.376 (1.092)		818975	50.0000	53.6	
\$ 91 2,4,6-Tribromophenol	330	7.450	7.450 (0.926)		354789	50.0000	53.4	
94 4-Bromophenyl phenyl ether	248	7.659	7.659 (1.134)		414124	50.0000	52.5	
97 Hexachlorobenzene	284	7.723	7.723 (1.143)		560001	50.0000	51.4	
100 Pentachlorophenol	266	7.900	7.900 (0.981)		266388	50.0000	50.5	
* 102 Phenanthrene-d10	188	8.050	8.050 (1.000)		1112532	40.0000		
103 Phenanthrene	178	8.071	8.071 (1.003)		1575010	50.0000	51.8	
104 Anthracene	178	8.114	8.114 (1.008)		1639477	50.0000	53.6	
106 Carbazole	167	8.263	8.263 (1.027)		1573255	50.0000	54.1	
109 Di-n-butylphthalate	149	8.568	8.568 (1.064)		1792378	50.0000	51.8	
115 Fluoranthene	202	9.135	9.135 (1.135)		1909879	50.0000	54.6	
117 Benzidine	184	9.274	9.274 (1.152)		1258786	50.0000	51.6	
119 Pyrene	202	9.365	9.365 (1.163)		2024507	50.0000	50.7	
\$ 120 4-Terphenyl-d14	244	9.542	9.542 (1.185)		1467735	50.0000	49.3	
122 Butyl benzyl phthalate	149	10.130	10.130 (1.258)		941540	50.0000	54.9	
124 Bis (2-ethylhexyl) adipate	129	10.253	10.253 (2.480)		614572	50.0000	50.4	
127 3,3'-Dichlorobenzidine	252	10.847	10.847 (0.997)		1087790	50.0000	57.2	
128 Benzo(a)anthracene	228	10.858	10.858 (0.998)		2306719	50.0000	53.2	
* 129 Chrysene-d12	240	10.879	10.879 (1.000)		1677538	40.0000		
131 Chrysene	228	10.916	10.916 (1.003)		2087816	50.0000	50.7	
132 Bis(2-ethylhexyl)phthalate	149	10.970	10.970 (1.008)		1269618	50.0000	52.1	
137 Di-n-octylphthalate	149	12.040	12.040 (1.107)		2236871	50.0000	56.0	
138 Benzo(b)fluoranthene	252	12.569	12.569 (0.952)		2927668	50.0000	52.8	
139 Benzo(k)fluoranthene	252	12.617	12.617 (0.956)		2816835	50.0000	52.9	
141 Benzo(a)pyrene	252	13.104	13.104 (0.993)		2751302	50.0000	51.9	
* 143 Perylene-d12	264	13.200	13.200 (1.000)		2192873	40.0000		

Compounds	QUANT SIG	AMOUNTS							REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ng)	ON -COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
146 Indeno(1,2,3-cd)pyrene	276	14.987	14.987	(1.135)	3213597	50.0000	52.6		
147 Dibenzo(a,h)anthracene	278	15.035	15.035	(1.139)	3198415	50.0000	54.8		
149 Benzo(ghi)perylene	276	15.404	15.404	(1.167)	3387359	50.0000	53.6		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl5.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 15:21

Level:
Sample Type:

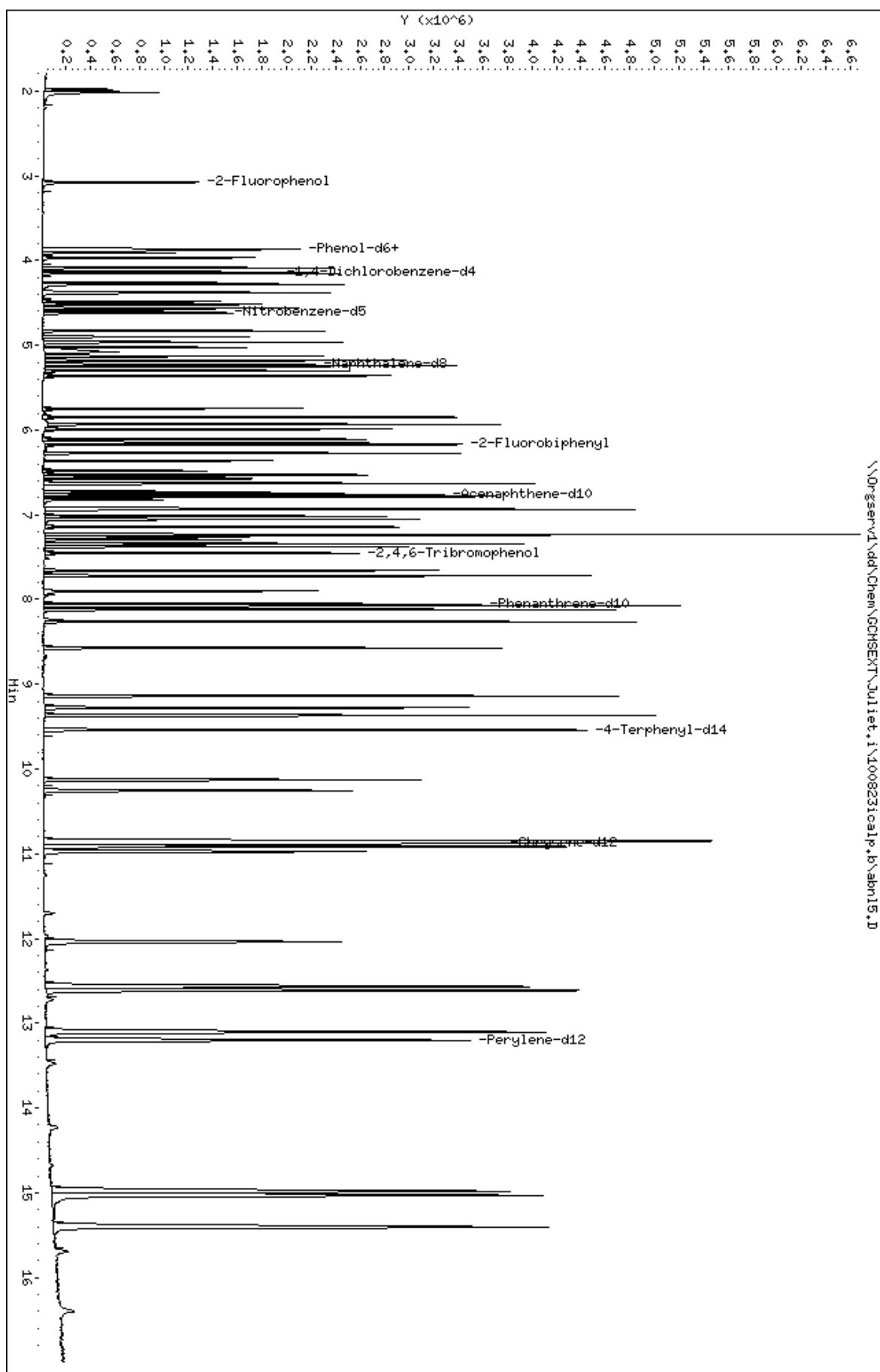
Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	239797	-15.48
39 Naphthalene-d8	1087160	543580	2174320	881805	-18.89
74 Acenaphthene-d10	705299	352650	1410598	593064	-15.91
102 Phenanthrene-d10	1342395	671198	2684790	1112532	-17.12
129 Chrysene-d12	1951586	975793	3903172	1677538	-14.04
143 Perylene-d12	2451344	1225672	4902688	2192873	-10.54

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.10
74 Acenaphthene-d10	6.75	6.25	7.25	6.76	0.08
102 Phenanthrene-d10	8.04	7.54	8.54	8.05	0.07
129 Chrysene-d12	10.86	10.36	11.36	10.88	0.15
143 Perylene-d12	13.20	12.70	13.70	13.20	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\abnl5.D
Lab Smp Id:
Inj Date : 23-AUG-2010 15:21
Operator : hl
Smp Info : abn 50 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNV2.m
Meth Date : 24-Aug-2010 13:14 Juliet.i
Cal Date : 23-AUG-2010 18:14
Als bottle: 5
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: ABN-6

Inst ID: Juliet.i
Quant Type: ISTD
Cal File: ap9l4.D
Calibration Sample, Level: 5
Compound Sublist: 8270ical.sub

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.979	1.979	(0.479)	190389	50.0000	53.1		
2 Pyridine	79	2.011	2.011	(0.486)	345022	50.0000	51.9		
\$ 3 2-Fluorophenol	112	3.081	3.081	(0.745)	358285	50.0000	50.3		
\$ 7 Phenol-d6	99	3.867	3.867	(0.935)	412767	50.0000	47.8		
8 Phenol	94	3.878	3.878	(0.938)	426235	50.0000	48.5		
9 Aniline	93	3.862	3.862	(0.934)	513614	50.0000	48.5		
11 Bis(2-chloroethyl)ether	93	3.910	3.910	(0.946)	281850	50.0000	46.0		
12 2-Chlorophenol	128	3.969	3.969	(0.960)	405944	50.0000	50.3		
13 1,3-Dichlorobenzene	146	4.086	4.086	(0.988)	459118	50.0000	50.6		
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	239797	40.0000			
16 1,4-Dichlorobenzene	146	4.150	4.150	(1.004)	479866	50.0000	52.1		
17 Benzyl alcohol	79	4.263	4.263	(1.031)	306388	50.0000	51.0		
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	445512	50.0000	51.5		
19 2-Methylphenol	108	4.380	4.380	(1.060)	347239	50.0000	51.4		
20 Bis(2-chloroisopropyl)ether	45	4.370	4.370	(1.057)	302844	50.0000	49.6		
22 3-Methylphenol/4-Methylphenol	108	4.514	4.514	(1.092)	365930	50.0000	49.5		
24 n-Nitrosodi-n-propylamine	70	4.482	4.482	(1.084)	248068	50.0000	51.8		
26 Hexachloroethane	117	4.568	4.568	(1.105)	183204	50.0000	50.2		
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	380763	50.0000	50.7		
29 Nitrobenzene	77	4.621	4.621	(0.883)	367488	50.0000	51.7		
30 Isophorone	82	4.830	4.830	(1.168)	686451	50.0000	51.8		
32 2-Nitrophenol	139	4.899	4.899	(1.185)	244293	50.0000	53.4		
33 2,4-Dimethylphenol	107	4.963	4.963	(1.201)	401171	50.0000	51.6		
36 Bis(2-chloroethoxy)methane	93	5.022	5.022	(1.215)	396599	50.0000	49.9		
34 Benzoic acid	105	5.081	5.081	(0.971)	304689	50.0000	51.5		
37 2,4-Dichlorophenol	162	5.124	5.124	(0.980)	382886	50.0000	51.8		
38 1,2,4-Trichlorobenzene	180	5.183	5.183	(0.991)	461403	50.0000	51.8		
* 39 Naphthalene-d8	136	5.231	5.231	(1.000)	881805	40.0000			
40 Naphthalene	128	5.247	5.247	(1.003)	1119731	50.0000	50.1		
43 4-Chloroaniline	65	5.300	5.300	(1.013)	126388	50.0000	51.9		
44 Hexachlorobutadiene	225	5.359	5.359	(1.025)	289343	50.0000	51.0		
50 p-Chloro-m-cresol	107	5.750	5.750	(1.099)	353988	50.0000	51.6		
51 2-Methylnaphthalene	142	5.851	5.851	(1.119)	836620	50.0000	52.6		

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.931	5.931	(1.134)	302711	50.0000	53.4	
55 Hexachlorocyclopentadiene	237	5.990	5.990	(1.145)	361829	50.0000	59.4	
56 2,4,6-Trichlorophenol	196	6.108	6.108	(1.168)	327426	50.0000	52.8	
57 2,4,5-Trichlorophenol	196	6.145	6.145	(1.175)	349116	50.0000	52.3	
\$ 58 2-Fluorobiphenyl	172	6.172	6.172	(1.180)	943572	50.0000	46.8	
60 2-Chloronaphthalene	162	6.268	6.268	(1.198)	831182	50.0000	49.9	
62 2-Nitroaniline	138	6.365	6.365	(1.217)	302330	50.0000	53.3	
65 1,4-Dinitrobenzene	168	6.482	6.482	(0.960)	145219	50.0000	57.0	
66 Dimethyl phthalate	163	6.531	6.531	(0.967)	985557	50.0000	50.4	
67 1,3-Dinitrobenzene	168	6.552	6.552	(0.970)	167259	50.0000	54.8	
69 2,6-Dinitrotoluene	165	6.579	6.579	(1.258)	229795	50.0000	50.1	
68 1,2-Dinitrobenzene	168	6.621	6.621	(0.980)	101381	50.0000	54.8	
70 Acenaphthylene	152	6.632	6.632	(1.268)	1332800	50.0000	50.1(M)	M1
72 3-Nitroaniline	138	6.728	6.728	(0.996)	261362	50.0000	52.4	
* 74 Acenaphthene-d10	164	6.755	6.755	(1.000)	593064	40.0000		
75 Acenaphthene	154	6.782	6.782	(1.004)	748072	50.0000	48.8	
76 2,4-Dinitrophenol	184	6.819	6.819	(1.010)	136905	50.0000	47.5	
77 4-Nitrophenol	65	6.916	6.916	(1.024)	170438	50.0000	56.5	
80 2,4-Dinitrotoluene	165	6.932	6.932	(1.026)	315707	50.0000	55.2	
78 Dibenzofuran	168	6.937	6.937	(1.027)	1195840	50.0000	51.2	
81 2,3,4,6-Tetrachlorophenol	232	7.017	7.017	(1.039)	322271	50.0000	54.3	
82 2,3,5,6-Tetrachlorophenol	232	7.055	7.055	(1.044)	340857	50.0000	53.2	
83 Diethyl phthalate	149	7.146	7.146	(1.058)	1041023	50.0000	50.5	
84 4-Chlorophenyl phenyl ether	204	7.237	7.237	(1.071)	522111	50.0000	50.6	
85 Fluorene	166	7.237	7.237	(1.071)	981792	50.0000	50.3	
86 4-Nitroaniline	138	7.263	7.263	(1.075)	259267	50.0000	51.6	
87 4,6-Dinitro-o-cresol	198	7.290	7.290	(1.079)	216647	50.0000	55.8	
88 NDPA/DPA	169	7.344	7.344	(1.087)	854690	50.0000	50.8	
89 Azobenzene	77	7.376	7.376	(1.092)	818975	50.0000	53.6	
\$ 91 2,4,6-Tribromophenol	330	7.450	7.450	(0.926)	354789	50.0000	53.4	
94 4-Bromophenyl phenyl ether	248	7.659	7.659	(1.134)	414124	50.0000	52.5	
97 Hexachlorobenzene	284	7.723	7.723	(1.143)	560001	50.0000	51.4	
100 Pentachlorophenol	266	7.900	7.900	(0.981)	266388	50.0000	50.5	
* 102 Phenanthrene-d10	188	8.050	8.050	(1.000)	1112532	40.0000		
103 Phenanthrene	178	8.071	8.071	(1.003)	1575010	50.0000	51.8	
104 Anthracene	178	8.114	8.114	(1.008)	1639477	50.0000	53.6	
106 Carbazole	167	8.263	8.263	(1.027)	1573255	50.0000	54.1	
109 Di-n-butylphthalate	149	8.568	8.568	(1.064)	1792378	50.0000	51.7	
115 Fluoranthene	202	9.135	9.135	(1.135)	1909879	50.0000	54.6	
117 Benzidine	184	9.274	9.274	(1.152)	1258786	50.0000	51.6	
119 Pyrene	202	9.365	9.365	(1.163)	2024507	50.0000	50.7	
\$ 120 4-Terphenyl-d14	244	9.542	9.542	(1.185)	1467735	50.0000	49.3	
122 Butyl benzyl phthalate	149	10.130	10.130	(1.258)	941540	50.0000	54.9	
124 Bis (2-ethylhexyl) adipate	129	10.253	10.253	(2.480)	614572	50.0000	50.4	
127 3,3'-Dichlorobenzidine	252	10.847	10.847	(0.997)	1087790	50.0000	57.2	
128 Benzo(a)anthracene	228	10.858	10.858	(0.998)	2306719	50.0000	53.2	
* 129 Chrysene-d12	240	10.879	10.879	(1.000)	1677538	40.0000		
131 Chrysene	228	10.916	10.916	(1.003)	2087816	50.0000	50.7	
132 Bis(2-ethylhexyl)phthalate	149	10.970	10.970	(1.008)	1269618	50.0000	52.1	
137 Di-n-octylphthalate	149	12.040	12.040	(1.107)	2236871	50.0000	56.0	
138 Benzo(b)fluoranthene	252	12.569	12.569	(0.952)	2927668	50.0000	52.8	
139 Benzo(k)fluoranthene	252	12.617	12.617	(0.956)	2816835	50.0000	52.9	
141 Benzo(a)pyrene	252	13.104	13.104	(0.993)	2751302	50.0000	51.9	
* 143 Perylene-d12	264	13.200	13.200	(1.000)	2192873	40.0000		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL					
	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	14.987	14.987	(1.135)	3213597	50.0000	52.6(H)	M3
147 Dibenzo(a,h)anthracene	278	15.035	15.035	(1.139)	3198415	50.0000	54.8	
149 Benzo(ghi)perylene	276	15.404	15.404	(1.167)	3387359	50.0000	53.6	

QC Flag Legend

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

Alpha Analytical Labs
INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl5.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

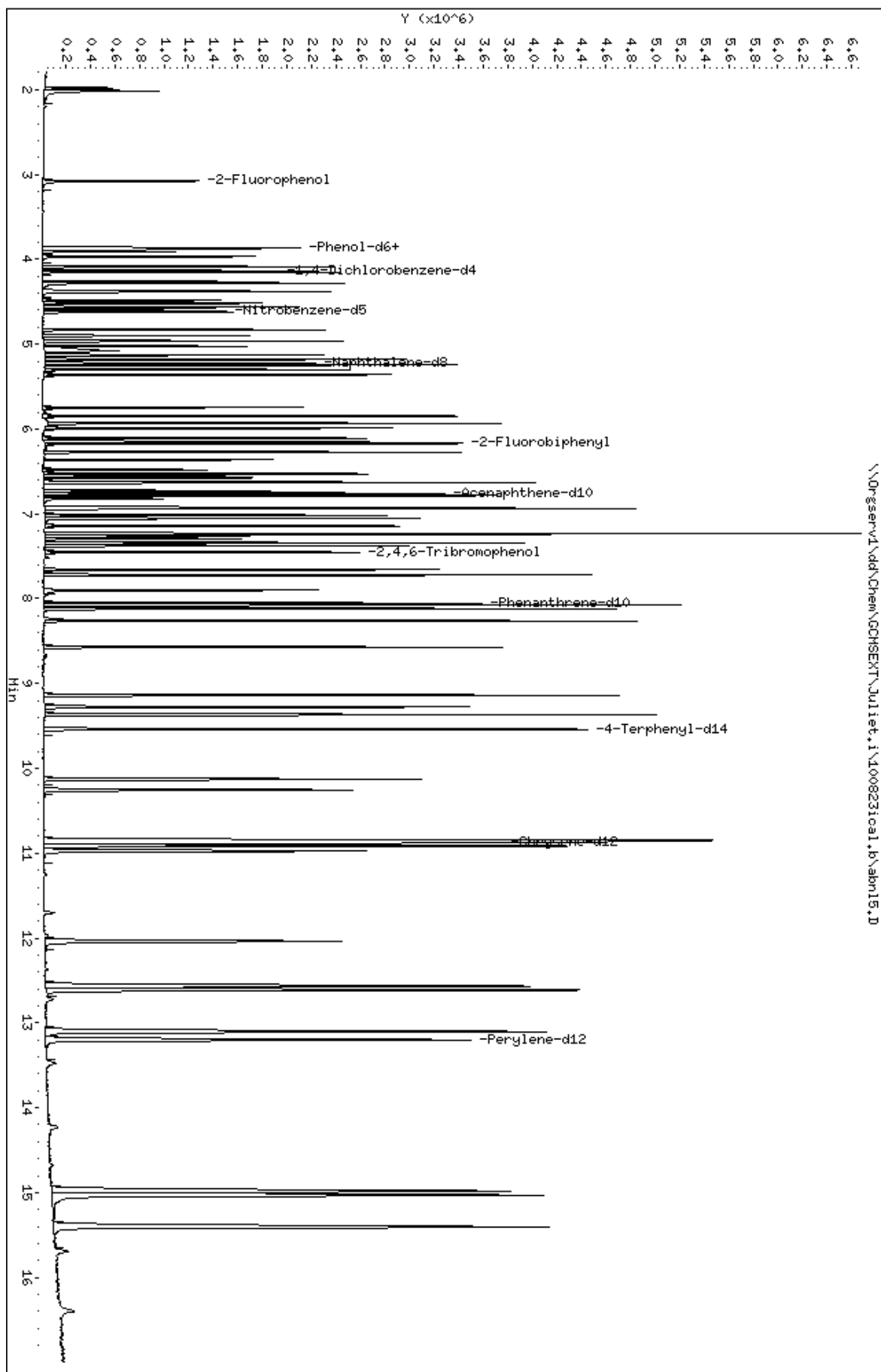
Calibration Date: 23-AUG-2010
Calibration Time: 15:21
Level:
Sample Type:

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	239797	-15.48
39 Naphthalene-d8	1087160	543580	2174320	881805	-18.89
74 Acenaphthene-d10	705299	352650	1410598	593064	-15.91
102 Phenanthrene-d10	1342395	671198	2684790	1112532	-17.12
129 Chrysene-d12	1951586	975793	3903172	1677538	-14.04
143 Perylene-d12	2451344	1225672	4902688	2192873	-10.54

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.10
74 Acenaphthene-d10	6.75	6.25	7.25	6.76	0.08
102 Phenanthrene-d10	8.04	7.54	8.54	8.05	0.07
129 Chrysene-d12	10.86	10.36	11.36	10.88	0.15
143 Perylene-d12	13.20	12.70	13.70	13.20	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\abnl6.D
Lab Smp Id:
Inj Date : 23-AUG-2010 15:45
Operator : hl Inst ID: Juliet.i
Smp Info : abn 100 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:18 aal Quant Type: ISTD
Cal Date : 23-AUG-2010 19:03 Cal File: ap9l6.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270ical.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS		
QUANT SIG						CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.974	1.974	(0.477)	312661	100.000	96.6	
2 Pyridine	79	2.006	2.006	(0.485)	592862	100.000	98.7	
\$ 3 2-Fluorophenol	112	3.081	3.081	(0.745)	641756	100.000	99.7	
\$ 7 Phenol-d6	99	3.872	3.872	(0.937)	774046	100.000	99.2	
8 Phenol	94	3.883	3.883	(0.939)	799450	100.000	101	
9 Aniline	93	3.862	3.862	(0.934)	919865	100.000	96.1	
11 Bis(2-chloroethyl)ether	93	3.910	3.910	(0.946)	513615	100.000	92.7	
12 2-Chlorophenol	128	3.974	3.974	(0.961)	741340	100.000	102	
13 1,3-Dichlorobenzene	146	4.086	4.086	(0.988)	792989	100.000	96.6	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	216639	40.0000		
16 1,4-Dichlorobenzene	146	4.151	4.151	(1.004)	766693	100.000	92.2	
17 Benzyl alcohol	79	4.263	4.263	(1.031)	547111	100.000	101	
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	747964	100.000	95.7	
19 2-Methylphenol	108	4.380	4.380	(1.060)	613111	100.000	100	
20 Bis(2-chloroisopropyl)ether	45	4.370	4.370	(1.057)	519119	100.000	95.3	
22 3-Methylphenol/4-Methylphenol	108	4.520	4.520	(1.093)	671082	100.000	100	
24 n-Nitrosodi-n-propylamine	70	4.487	4.487	(1.085)	412360	100.000	95.4	
26 Hexachloroethane	117	4.568	4.568	(1.105)	327307	100.000	99.2	
\$ 28 Nitrobenzene-d5	82	4.610	4.610	(1.115)	658706	100.000	97.0	
29 Nitrobenzene	77	4.627	4.627	(0.884)	635538	100.000	95.0	
30 Isophorone	82	4.835	4.835	(1.169)	1153340	100.000	96.3	
32 2-Nitrophenol	139	4.899	4.899	(1.185)	431813	100.000	104	
33 2,4-Dimethylphenol	107	4.963	4.963	(1.200)	667617	100.000	95.1	
36 Bis(2-chloroethoxy)methane	93	5.022	5.022	(1.215)	657784	100.000	91.6	
34 Benzoic acid	105	5.097	5.097	(0.974)	562215	100.000	102	
37 2,4-Dichlorophenol	162	5.129	5.129	(0.981)	672860	100.000	96.8	
38 1,2,4-Trichlorobenzene	180	5.183	5.183	(0.991)	802985	100.000	95.8	
* 39 Naphthalene-d8	136	5.231	5.231	(1.000)	828881	40.0000		
40 Naphthalene	128	5.247	5.247	(1.003)	1892841	100.000	90.1	
43 4-Chloroaniline	65	5.300	5.300	(1.013)	208366	100.000	91.1	
44 Hexachlorobutadiene	225	5.365	5.365	(1.026)	512540	100.000	96.0	
50 p-Chloro-m-cresol	107	5.750	5.750	(1.099)	623178	100.000	96.6	
51 2-Methylnaphthalene	142	5.851	5.851	(1.119)	1383945	100.000	92.6	

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.937	5.937 (1.135)		489599	100.000	91.9	
55 Hexachlorocyclopentadiene	237	5.990	5.990 (1.145)		613799	100.000	107	
56 2,4,6-Trichlorophenol	196	6.108	6.108 (1.168)		566109	100.000	97.2	
57 2,4,5-Trichlorophenol	196	6.146	6.146 (1.175)		607245	100.000	96.9	
\$ 58 2-Fluorobiphenyl	172	6.172	6.172 (1.180)		1626833	100.000	85.9	
60 2-Chloronaphthalene	162	6.274	6.274 (1.199)		1384174	100.000	88.4	
62 2-Nitroaniline	138	6.370	6.370 (1.218)		533448	100.000	100	
65 1,4-Dinitrobenzene	168	6.488	6.488 (0.960)		242110	100.000	104	
66 Dimethyl phthalate	163	6.536	6.536 (0.968)		1662301	100.000	92.8	
67 1,3-Dinitrobenzene	168	6.557	6.557 (0.971)		298780	100.000	107	
69 2,6-Dinitrotoluene	165	6.579	6.579 (1.258)		426295	100.000	98.8	
68 1,2-Dinitrobenzene	168	6.627	6.627 (0.981)		169262	100.000	99.9	
70 Acenaphthylene	152	6.632	6.632 (1.268)		2125245	100.000	85.3	
72 3-Nitroaniline	138	6.734	6.734 (0.997)		446715	100.000	97.8	
* 74 Acenaphthene-d10	164	6.755	6.755 (1.000)		543443	40.0000		
75 Acenaphthene	154	6.787	6.787 (1.005)		1326187	100.000	94.5	
76 2,4-Dinitrophenol	184	6.819	6.819 (1.010)		265782	100.000	94.6	
77 4-Nitrophenol	65	6.921	6.921 (1.025)		276607	100.000	100	
80 2,4-Dinitrotoluene	165	6.932	6.932 (1.026)		483522	100.000	92.3	
78 Dibenzofuran	168	6.937	6.937 (1.027)		1861380	100.000	87.0	
81 2,3,4,6-Tetrachlorophenol	232	7.017	7.017 (1.039)		566815	100.000	104	
82 2,3,5,6-Tetrachlorophenol	232	7.055	7.055 (1.044)		534392	100.000	91.5	
83 Diethyl phthalate	149	7.146	7.146 (1.058)		1613320	100.000	85.7	
84 4-Chlorophenyl phenyl ether	204	7.237	7.237 (1.071)		811113	100.000	85.8	
85 Fluorene	166	7.237	7.237 (1.071)		1516934	100.000	84.8	
86 4-Nitroaniline	138	7.274	7.274 (1.077)		484873	100.000	106	
87 4,6-Dinitro-o-cresol	198	7.296	7.296 (1.080)		387863	100.000	109	
88 NDPA/DPA	169	7.344	7.344 (1.087)		1418218	100.000	91.9	
89 Azobenzene	77	7.376	7.376 (1.092)		1253495	100.000	89.5	
\$ 91 2,4,6-Tribromophenol	330	7.451	7.451 (0.926)		604405	100.000	100	
94 4-Bromophenyl phenyl ether	248	7.665	7.665 (1.135)		686924	100.000	95.0	
97 Hexachlorobenzene	284	7.723	7.723 (1.143)		951128	100.000	95.4	
100 Pentachlorophenol	266	7.900	7.900 (0.981)		498816	100.000	101	
* 102 Phenanthrene-d10	188	8.050	8.050 (1.000)		1006824	40.0000		
103 Phenanthrene	178	8.076	8.076 (1.003)		2369507	100.000	86.1	
104 Anthracene	178	8.119	8.119 (1.009)		2433480	100.000	87.9	
106 Carbazole	167	8.264	8.264 (1.027)		2425397	100.000	92.2	
109 Di-n-butylphthalate	149	8.574	8.574 (1.065)		2632800	100.000	84.0	
115 Fluoranthene	202	9.141	9.141 (1.136)		2869292	100.000	90.6	
117 Benzidine	184	9.280	9.280 (1.153)		2257250	100.000	102	
119 Pyrene	202	9.371	9.371 (1.164)		3125675	100.000	86.5	
\$ 120 4-Terphenyl-d14	244	9.542	9.542 (1.185)		2304228	100.000	85.5	
122 Butyl benzyl phthalate	149	10.130	10.130 (1.258)		1563536	100.000	101	
124 Bis (2-ethylhexyl) adipate	129	10.253	10.253 (2.480)		1047018	100.000	95.0	
127 3,3'-Dichlorobenzidine	252	10.852	10.852 (0.998)		1693432	100.000	99.7	
128 Benzo(a)anthracene	228	10.863	10.863 (0.999)		3634079	100.000	94.0	
* 129 Chrysene-d12	240	10.879	10.879 (1.000)		1497583	40.0000		
131 Chrysene	228	10.922	10.922 (1.004)		3415071	100.000	92.9	
132 Bis(2-ethylhexyl)phthalate	149	10.975	10.975 (1.009)		2039489	100.000	93.8	
137 Di-n-octylphthalate	149	12.040	12.040 (1.107)		3517264	100.000	98.6	
138 Benzo(b)fluoranthene	252	12.575	12.575 (0.953)		4502885	100.000	94.5	
139 Benzo(k)fluoranthene	252	12.623	12.623 (0.956)		4406900	100.000	96.3	
141 Benzo(a)pyrene	252	13.115	13.115 (0.994)		4484397	100.000	98.6	
* 143 Perylene-d12	264	13.200	13.200 (1.000)		1883098	40.0000		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	14.998	14.998	(1.136)	5168768	100.000	98.6	
147 Dibenzo(a,h)anthracene	278	15.046	15.046	(1.140)	5030119	100.000	100	
149 Benzo(ghi)perylene	276	15.420	15.420	(1.168)	5258592	100.000	96.8	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl6.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 15:21

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	216639	-23.64
39 Naphthalene-d8	1087160	543580	2174320	828881	-23.76
74 Acenaphthene-d10	705299	352650	1410598	543443	-22.95
102 Phenanthrene-d10	1342395	671198	2684790	1006824	-25.00
129 Chrysene-d12	1951586	975793	3903172	1497583	-23.26
143 Perylene-d12	2451344	1225672	4902688	1883098	-23.18

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.10
74 Acenaphthene-d10	6.75	6.25	7.25	6.76	0.08
102 Phenanthrene-d10	8.04	7.54	8.54	8.05	0.07
129 Chrysene-d12	10.86	10.36	11.36	10.88	0.15
143 Perylene-d12	13.20	12.70	13.70	13.20	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drsgserv1\dd\Chem\GCHSEXT\Juliet.i\1008231calp,b\abn16.D

Date : 23-AUG-2010 15:45

Client ID:

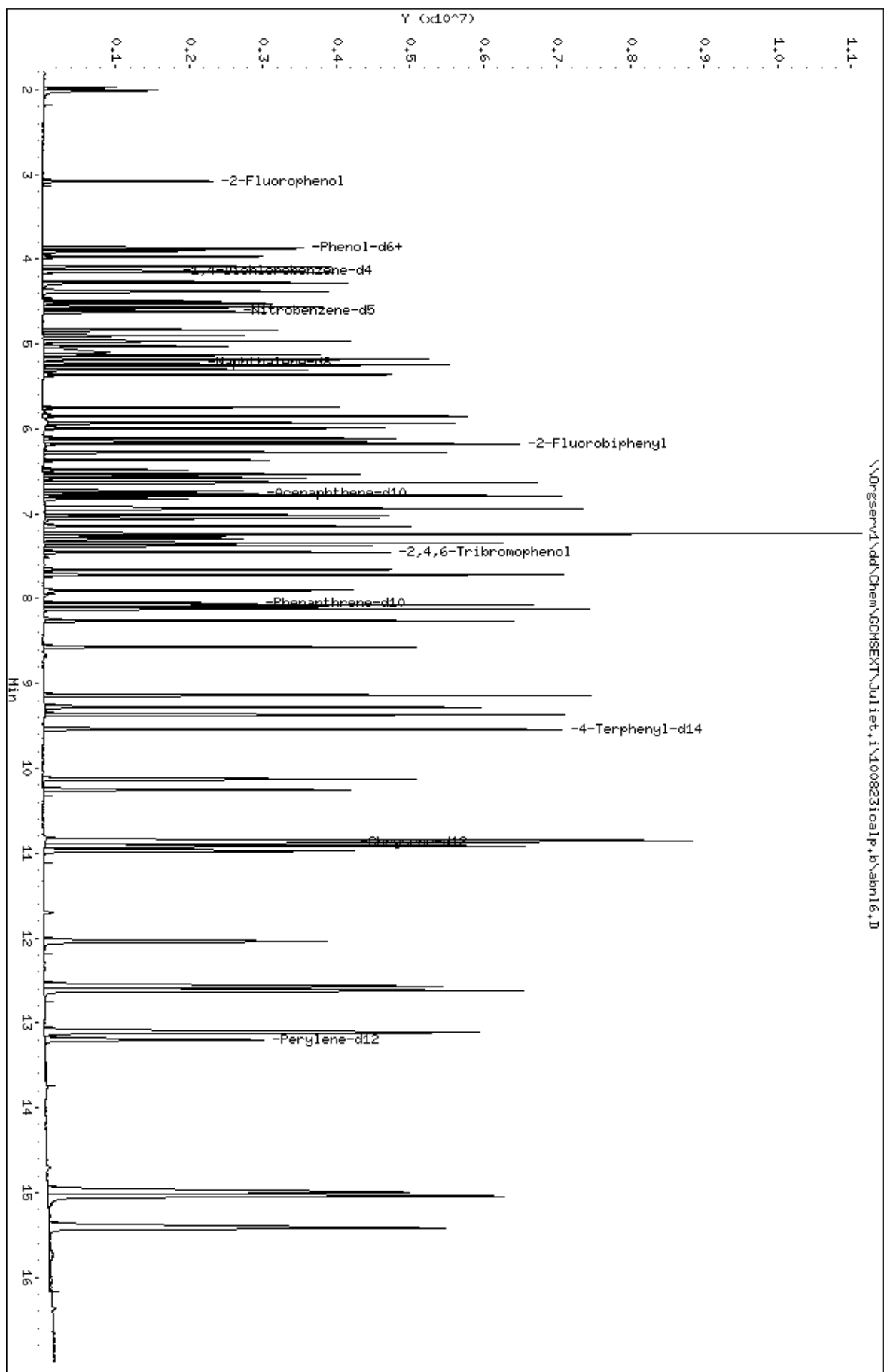
Sample Info: abn 100 lot#3556

Column phase: RTX-5

Instrument: Juliet.i

Operator: hl

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\abnl6.D
Lab Smp Id:
Inj Date : 23-AUG-2010 15:45
Operator : hl Inst ID: Juliet.i
Smp Info : abn 100 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNV2.m
Meth Date : 24-Aug-2010 13:14 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 18:39 Cal File: ap9l5.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270ical.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
							CAL-AMT	ON-COL	
							(ng)	(ng)	
1 n-Nitrosodimethylamine		74	1.974	1.974 (0.477)		312661	100.000	96.6	
2 Pyridine		79	2.006	2.006 (0.485)		592862	100.000	98.7	
\$ 3 2-Fluorophenol		112	3.081	3.081 (0.745)		641756	100.000	99.7	
\$ 7 Phenol-d6		99	3.872	3.872 (0.937)		774046	100.000	99.2	
8 Phenol		94	3.883	3.883 (0.939)		799450	100.000	101	
9 Aniline		93	3.862	3.862 (0.934)		919865	100.000	96.1	
11 Bis(2-chloroethyl)ether		93	3.910	3.910 (0.946)		513615	100.000	92.7	
12 2-Chlorophenol		128	3.974	3.974 (0.961)		741340	100.000	102	
13 1,3-Dichlorobenzene		146	4.086	4.086 (0.988)		792989	100.000	96.6	
* 15 1,4-Dichlorobenzene-d4		152	4.134	4.134 (1.000)		216639	40.0000		
16 1,4-Dichlorobenzene		146	4.151	4.151 (1.004)		766693	100.000	92.2	
17 Benzyl alcohol		79	4.263	4.263 (1.031)		547371	100.000	101	
18 1,2-Dichlorobenzene		146	4.279	4.279 (1.035)		747964	100.000	95.7	
19 2-Methylphenol		108	4.380	4.380 (1.060)		613114	100.000	100	
20 Bis(2-chloroisopropyl)ether		45	4.370	4.370 (1.057)		519119	100.000	94.2	
22 3-Methylphenol/4-Methylphenol		108	4.520	4.520 (1.093)		672653	100.000	101	
24 n-Nitrosodi-n-propylamine		70	4.487	4.487 (1.085)		412360	100.000	95.4	
26 Hexachloroethane		117	4.568	4.568 (1.105)		327307	100.000	99.2	
\$ 28 Nitrobenzene-d5		82	4.610	4.610 (1.115)		658706	100.000	97.0	
29 Nitrobenzene		77	4.627	4.627 (0.884)		635538	100.000	95.0	
30 Isophorone		82	4.835	4.835 (1.169)		1153340	100.000	96.3	
32 2-Nitrophenol		139	4.899	4.899 (1.185)		431813	100.000	104	
33 2,4-Dimethylphenol		107	4.963	4.963 (1.200)		667617	100.000	95.1	
36 Bis(2-chloroethoxy)methane		93	5.022	5.022 (1.215)		657784	100.000	91.6	
34 Benzoic acid		105	5.097	5.097 (0.974)		576782	100.000	104(M)	M1
37 2,4-Dichlorophenol		162	5.129	5.129 (0.981)		672860	100.000	96.8	
38 1,2,4-Trichlorobenzene		180	5.183	5.183 (0.991)		802985	100.000	95.8	
* 39 Naphthalene-d8		136	5.231	5.231 (1.000)		828881	40.0000		
40 Naphthalene		128	5.247	5.247 (1.003)		1892558	100.000	90.1	
43 4-Chloroaniline		65	5.300	5.300 (1.013)		208366	100.000	91.1	
44 Hexachlorobutadiene		225	5.365	5.365 (1.026)		512540	100.000	96.0	
50 p-Chloro-m-cresol		107	5.750	5.750 (1.099)		623178	100.000	96.6	
51 2-Methylnaphthalene		142	5.851	5.851 (1.119)		1383945	100.000	92.6	

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.937	5.937	(1.135)	489599	100.000	91.9	
55 Hexachlorocyclopentadiene	237	5.990	5.990	(1.145)	613799	100.000	107	
56 2,4,6-Trichlorophenol	196	6.108	6.108	(1.168)	566109	100.000	97.2	
57 2,4,5-Trichlorophenol	196	6.146	6.146	(1.175)	607245	100.000	96.9	
\$ 58 2-Fluorobiphenyl	172	6.172	6.172	(1.180)	1626833	100.000	85.9	
60 2-Chloronaphthalene	162	6.274	6.274	(1.199)	1384174	100.000	88.4	
62 2-Nitroaniline	138	6.370	6.370	(1.218)	533448	100.000	100	
65 1,4-Dinitrobenzene	168	6.488	6.488	(0.960)	242110	100.000	104	
66 Dimethyl phthalate	163	6.536	6.536	(0.968)	1662301	100.000	92.8	
67 1,3-Dinitrobenzene	168	6.557	6.557	(0.971)	298780	100.000	107	
69 2,6-Dinitrotoluene	165	6.579	6.579	(1.258)	426295	100.000	98.8	
68 1,2-Dinitrobenzene	168	6.627	6.627	(0.981)	169262	100.000	99.9	
70 Acenaphthylene	152	6.632	6.632	(1.268)	2127736	100.000	85.1(M)	M1
72 3-Nitroaniline	138	6.734	6.734	(0.997)	447150	100.000	97.9	
* 74 Acenaphthene-d10	164	6.755	6.755	(1.000)	543443	40.0000		
75 Acenaphthene	154	6.787	6.787	(1.005)	1326187	100.000	94.5	
76 2,4-Dinitrophenol	184	6.819	6.819	(1.010)	265782	100.000	94.6	
77 4-Nitrophenol	65	6.921	6.921	(1.025)	276607	100.000	100	
80 2,4-Dinitrotoluene	165	6.932	6.932	(1.026)	483522	100.000	92.3	
78 Dibenzofuran	168	6.937	6.937	(1.027)	1861380	100.000	87.0	
81 2,3,4,6-Tetrachlorophenol	232	7.017	7.017	(1.039)	566815	100.000	104	
82 2,3,5,6-Tetrachlorophenol	232	7.055	7.055	(1.044)	556327	100.000	94.8(M)	M1
83 Diethyl phthalate	149	7.146	7.146	(1.058)	1613320	100.000	85.5	
84 4-Chlorophenyl phenyl ether	204	7.237	7.237	(1.071)	811113	100.000	85.8	
85 Fluorene	166	7.237	7.237	(1.071)	1516934	100.000	84.8	
86 4-Nitroaniline	138	7.274	7.274	(1.077)	484461	100.000	105	
87 4,6-Dinitro-o-cresol	198	7.296	7.296	(1.080)	387863	100.000	109	
88 NDPA/DPA	169	7.344	7.344	(1.087)	1418218	100.000	91.9	
89 Azobenzene	77	7.376	7.376	(1.092)	1253495	100.000	89.5	
\$ 91 2,4,6-Tribromophenol	330	7.451	7.451	(0.926)	604405	100.000	100	
94 4-Bromophenyl phenyl ether	248	7.665	7.665	(1.135)	686924	100.000	95.0	
97 Hexachlorobenzene	284	7.723	7.723	(1.143)	951128	100.000	95.4	
100 Pentachlorophenol	266	7.900	7.900	(0.981)	498816	100.000	101	
* 102 Phenanthrene-d10	188	8.050	8.050	(1.000)	1006824	40.0000		
103 Phenanthrene	178	8.076	8.076	(1.003)	2369507	100.000	86.1	
104 Anthracene	178	8.119	8.119	(1.009)	2433480	100.000	87.9	
106 Carbazole	167	8.264	8.264	(1.027)	2425397	100.000	92.2	
109 Di-n-butylphthalate	149	8.574	8.574	(1.065)	2632800	100.000	83.9	
115 Fluoranthene	202	9.141	9.141	(1.136)	2869292	100.000	90.6	
117 Benzidine	184	9.280	9.280	(1.153)	2257250	100.000	102	
119 Pyrene	202	9.371	9.371	(1.164)	3125675	100.000	86.5	
\$ 120 4-Terphenyl-d14	244	9.542	9.542	(1.185)	2304228	100.000	85.5	
122 Butyl benzyl phthalate	149	10.130	10.130	(1.258)	1563556	100.000	101	
124 Bis (2-ethylhexyl) adipate	129	10.253	10.253	(2.480)	1047018	100.000	95.0	
127 3,3'-Dichlorobenzidine	252	10.852	10.852	(0.998)	1693432	100.000	99.7	
128 Benzo(a)anthracene	228	10.863	10.863	(0.999)	3634079	100.000	94.0	
* 129 Chrysene-d12	240	10.879	10.879	(1.000)	1497583	40.0000		
131 Chrysene	228	10.922	10.922	(1.004)	3415071	100.000	92.9	
132 Bis(2-ethylhexyl)phthalate	149	10.975	10.975	(1.009)	2039489	100.000	93.8	
137 Di-n-octylphthalate	149	12.040	12.040	(1.107)	3517264	100.000	98.6	
138 Benzo(b)fluoranthene	252	12.575	12.575	(0.953)	4502885	100.000	94.5(H)	M3
139 Benzo(k)fluoranthene	252	12.623	12.623	(0.956)	4406900	100.000	96.3	
141 Benzo(a)pyrene	252	13.115	13.115	(0.994)	4484397	100.000	98.6	
* 143 Perylene-d12	264	13.200	13.200	(1.000)	1883098	40.0000		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL					
	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	14.998	14.998	(1.136)	5168768	100.000	98.6(H)	M3
147 Dibenzo(a,h)anthracene	278	15.046	15.046	(1.140)	5030119	100.000	100	
149 Benzo(ghi)perylene	276	15.420	15.420	(1.168)	5248614	100.000	96.7	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl6.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 15:21

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

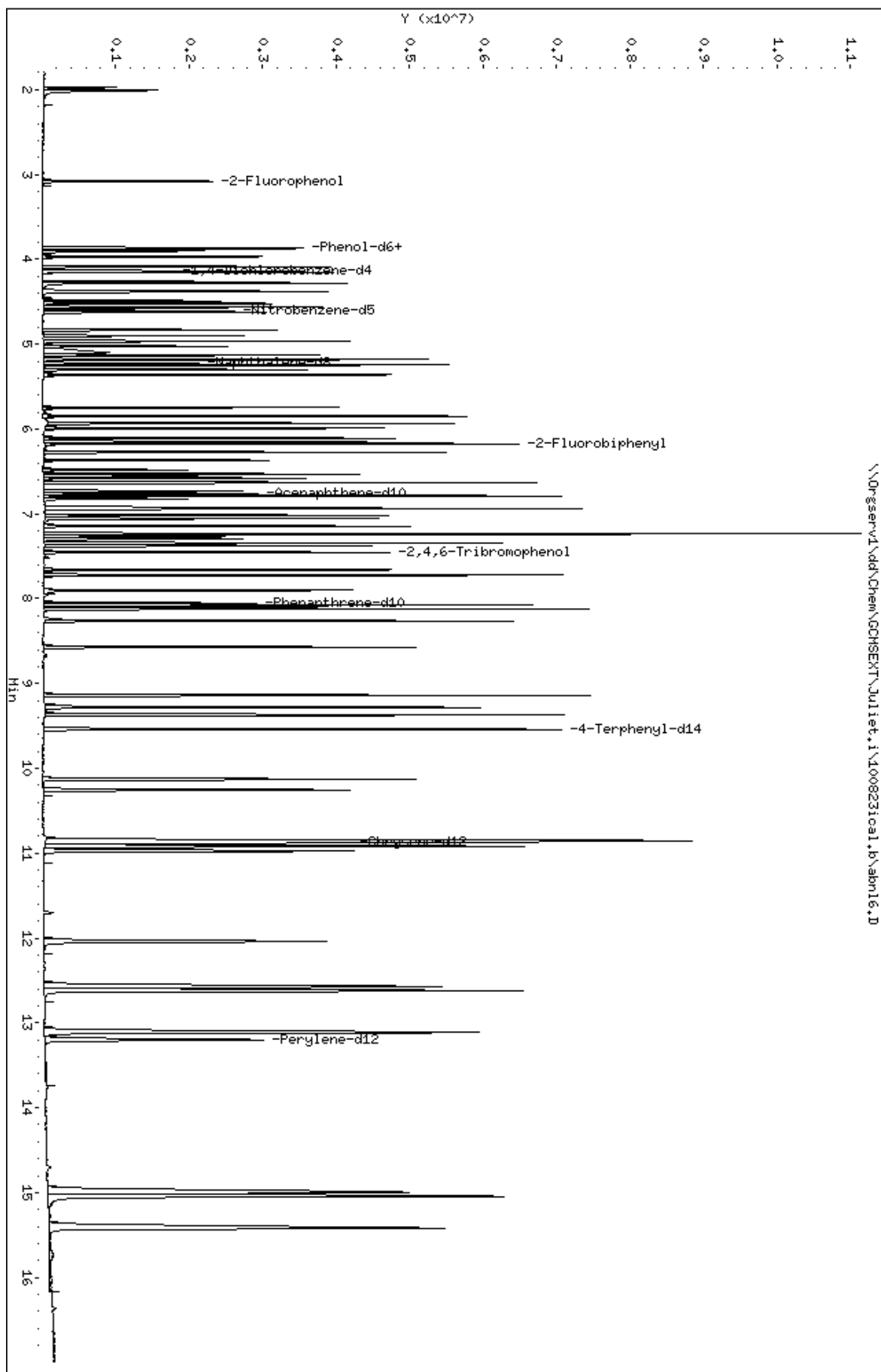
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	216639	-23.64
39 Naphthalene-d8	1087160	543580	2174320	828881	-23.76
74 Acenaphthene-d10	705299	352650	1410598	543443	-22.95
102 Phenanthrene-d10	1342395	671198	2684790	1006824	-25.00
129 Chrysene-d12	1951586	975793	3903172	1497583	-23.26
143 Perylene-d12	2451344	1225672	4902688	1883098	-23.18

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.10
74 Acenaphthene-d10	6.75	6.25	7.25	6.76	0.08
102 Phenanthrene-d10	8.04	7.54	8.54	8.05	0.07
129 Chrysene-d12	10.86	10.36	11.36	10.88	0.15
143 Perylene-d12	13.20	12.70	13.70	13.20	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeerv1\dd\Chem\GCHEXT\Juliet.i\1008231cal.b\abn16.D
Date : 23-AUG-2010 15:45
Client ID:
Sample Info: abn 100 lot#3556
Column phase: RTX-5

Instrument: Juliet.i
Operator: hl
Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\abnl7.D
Lab Smp Id:
Inj Date : 23-AUG-2010 16:10
Operator : hl Inst ID: Juliet.i
Smp Info : abn 150 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:18 aal Quant Type: ISTD
Cal Date : 23-AUG-2010 19:28 Cal File: ap9l7.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270ical.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.973	1.973	(0.477)	457515	150.000	144		
2 Pyridine	79	2.006	2.006	(0.485)	934484	150.000	159		
\$ 3 2-Fluorophenol	112	3.081	3.081	(0.745)	943529	150.000	150		
\$ 7 Phenol-d6	99	3.872	3.872	(0.937)	1117191	150.000	146		
8 Phenol	94	3.883	3.883	(0.939)	1068460	150.000	138		
9 Aniline	93	3.862	3.862	(0.934)	1371321	150.000	146		
11 Bis(2-chloroethyl)ether	93	3.915	3.915	(0.947)	787592	150.000	145		
12 2-Chlorophenol	128	3.974	3.974	(0.961)	1011751	150.000	142		
13 1,3-Dichlorobenzene	146	4.092	4.092	(0.990)	1099022	150.000	137		
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	211913	40.0000			
16 1,4-Dichlorobenzene	146	4.150	4.150	(1.004)	1101245	150.000	135		
17 Benzyl alcohol	79	4.268	4.268	(1.032)	749127	150.000	142		
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	1080920	150.000	141		
19 2-Methylphenol	108	4.380	4.380	(1.060)	924888	150.000	155		
20 Bis(2-chloroisopropyl)ether	45	4.370	4.370	(1.057)	769868	150.000	144		
22 3-Methylphenol/4-Methylphenol	108	4.519	4.519	(1.093)	957465	150.000	147		
24 n-Nitrosodi-n-propylamine	70	4.493	4.493	(1.087)	609302	150.000	144		
26 Hexachloroethane	117	4.568	4.568	(1.105)	455264	150.000	141		
\$ 28 Nitrobenzene-d5	82	4.610	4.610	(1.115)	975113	150.000	147		
29 Nitrobenzene	77	4.626	4.626	(0.884)	911356	150.000	131		
30 Isophorone	82	4.835	4.835	(1.169)	1725156	150.000	147		
32 2-Nitrophenol	139	4.905	4.905	(1.186)	620701	150.000	153		
33 2,4-Dimethylphenol	107	4.969	4.969	(1.202)	1012714	150.000	147		
36 Bis(2-chloroethoxy)methane	93	5.028	5.028	(1.216)	971096	150.000	138		
34 Benzoic acid	105	5.118	5.118	(0.979)	848881	150.000	148		
37 2,4-Dichlorophenol	162	5.129	5.129	(0.981)	972298	150.000	135		
38 1,2,4-Trichlorobenzene	180	5.183	5.183	(0.991)	1120982	150.000	129		
* 39 Naphthalene-d8	136	5.231	5.231	(1.000)	860491	40.0000			
40 Naphthalene	128	5.252	5.252	(1.004)	2613918	150.000	120		
43 4-Chloroaniline	65	5.306	5.306	(1.014)	319610	150.000	134		
44 Hexachlorobutadiene	225	5.365	5.365	(1.026)	705243	150.000	127		
50 p-Chloro-m-cresol	107	5.750	5.750	(1.099)	866748	150.000	129		
51 2-Methylnaphthalene	142	5.851	5.851	(1.119)	2003550	150.000	129		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL	RT	EXP RT	REL RT	RESPONSE	
=====	=====	(ng)	(ng)	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.937	5.937 (1.135)	685144	150.000	124		
55 Hexachlorocyclopentadiene	237	5.990	5.990 (1.145)	978637	150.000	164		
56 2,4,6-Trichlorophenol	196	6.108	6.108 (1.168)	844631	150.000	140		
57 2,4,5-Trichlorophenol	196	6.151	6.151 (1.176)	921845	150.000	142		
\$ 58 2-Fluorobiphenyl	172	6.172	6.172 (1.180)	2216184	150.000	113		
60 2-Chloronaphthalene	162	6.274	6.274 (1.199)	1988956	150.000	122		
62 2-Nitroaniline	138	6.375	6.375 (1.219)	811143	150.000	147		
65 1,4-Dinitrobenzene	168	6.488	6.488 (0.960)	403633	150.000	167		
66 Dimethyl phthalate	163	6.541	6.541 (0.968)	2490640	150.000	134		
67 1,3-Dinitrobenzene	168	6.563	6.563 (0.971)	455453	150.000	157		
69 2,6-Dinitrotoluene	165	6.584	6.584 (1.259)	639550	150.000	143		
68 1,2-Dinitrobenzene	168	6.637	6.637 (0.982)	252645	150.000	144		
70 Acenaphthylene	152	6.637	6.637 (1.269)	3021247	150.000	117		
72 3-Nitroaniline	138	6.739	6.739 (0.997)	704914	150.000	149		
* 74 Acenaphthene-d10	164	6.761	6.761 (1.000)	563186	40.0000			
75 Acenaphthene	154	6.787	6.787 (1.004)	1933909	150.000	133		
76 2,4-Dinitrophenol	184	6.825	6.825 (1.009)	459548	150.000	154		
77 4-Nitrophenol	65	6.926	6.926 (1.025)	410984	150.000	143		
80 2,4-Dinitrotoluene	165	6.937	6.937 (1.026)	686398	150.000	126		
78 Dibenzofuran	168	6.942	6.942 (1.027)	2564751	150.000	116		
81 2,3,4,6-Tetrachlorophenol	232	7.023	7.023 (1.039)	864512	150.000	153		
82 2,3,5,6-Tetrachlorophenol	232	7.060	7.060 (1.044)	865622	150.000	144		
83 Diethyl phthalate	149	7.151	7.151 (1.058)	2426176	150.000	124		
84 4-Chlorophenyl phenyl ether	204	7.237	7.237 (1.070)	1167345	150.000	119		
85 Fluorene	166	7.242	7.242 (1.071)	2152560	150.000	116		
86 4-Nitroaniline	138	7.285	7.285 (1.078)	723148	150.000	152		
87 4,6-Dinitro-o-cresol	198	7.306	7.306 (1.081)	619082	150.000	168		
88 NDPA/DPA	169	7.349	7.349 (1.087)	2119546	150.000	132		
89 Azobenzene	77	7.381	7.381 (1.092)	1886037	150.000	130		
\$ 91 2,4,6-Tribromophenol	330	7.456	7.456 (0.926)	930082	150.000	140		
94 4-Bromophenyl phenyl ether	248	7.664	7.664 (1.134)	1049568	150.000	140		
97 Hexachlorobenzene	284	7.729	7.729 (1.143)	1400723	150.000	136		
100 Pentachlorophenol	266	7.905	7.905 (0.981)	814296	150.000	148		
* 102 Phenanthrene-d10	188	8.055	8.055 (1.000)	1112093	40.0000			
103 Phenanthrene	178	8.076	8.076 (1.003)	3454732	150.000	114		
104 Anthracene	178	8.124	8.124 (1.009)	3512226	150.000	115		
106 Carbazole	167	8.269	8.269 (1.027)	3422799	150.000	118		
109 Di-n-butylphthalate	149	8.574	8.574 (1.064)	4032307	150.000	116		
115 Fluoranthene	202	9.146	9.146 (1.135)	4299291	150.000	123		
117 Benzidine	184	9.285	9.285 (1.153)	3537067	150.000	145		
119 Pyrene	202	9.376	9.376 (1.164)	4694837	150.000	118		
\$ 120 4-Terphenyl-d14	244	9.542	9.542 (1.185)	3626170	150.000	122		
122 Butyl benzyl phthalate	149	10.136	10.136 (1.258)	2458819	150.000	143		
124 Bis (2-ethylhexyl) adipate	129	10.259	10.259 (2.481)	1783138	150.000	165		
127 3,3'-Dichlorobenzidine	252	10.863	10.863 (0.998)	2534145	150.000	133		
128 Benzo(a)anthracene	228	10.874	10.874 (0.999)	5481654	150.000	126		
* 129 Chrysene-d12	240	10.890	10.890 (1.000)	1682041	40.0000			
131 Chrysene	228	10.932	10.932 (1.004)	5174503	150.000	126		
132 Bis(2-ethylhexyl)phthalate	149	10.981	10.981 (1.008)	3358581	150.000	138		
137 Di-n-octylphthalate	149	12.045	12.045 (1.106)	6051835	150.000	151		
138 Benzo(b)fluoranthene	252	12.585	12.585 (0.953)	7294520	150.000	139		
139 Benzo(k)fluoranthene	252	12.639	12.639 (0.957)	6752853	150.000	134		
141 Benzo(a)pyrene	252	13.131	13.131 (0.994)	6952133	150.000	139		
* 143 Perylene-d12	264	13.211	13.211 (1.000)	2072422	40.0000			

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	15.008	15.008	(1.136)	8832447	150.000	153	
147 Dibenzo(a,h)anthracene	278	15.062	15.062	(1.140)	7678184	150.000	139	
149 Benzo(ghi)perylene	276	15.441	15.441	(1.169)	8380812	150.000	140	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl7.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 15:21

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	211913	-25.30
39 Naphthalene-d8	1087160	543580	2174320	860491	-20.85
74 Acenaphthene-d10	705299	352650	1410598	563186	-20.15
102 Phenanthrene-d10	1342395	671198	2684790	1112093	-17.16
129 Chrysene-d12	1951586	975793	3903172	1682041	-13.81
143 Perylene-d12	2451344	1225672	4902688	2072422	-15.46

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.10
74 Acenaphthene-d10	6.75	6.25	7.25	6.76	0.16
102 Phenanthrene-d10	8.04	7.54	8.54	8.06	0.13
129 Chrysene-d12	10.86	10.36	11.36	10.89	0.25
143 Perylene-d12	13.20	12.70	13.70	13.21	0.12

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeerv1\dd\Chem\GCHEXT\Juliet.i\1008231calp,b\abn17.D

Date : 23-AUG-2010 16:10

Client ID:

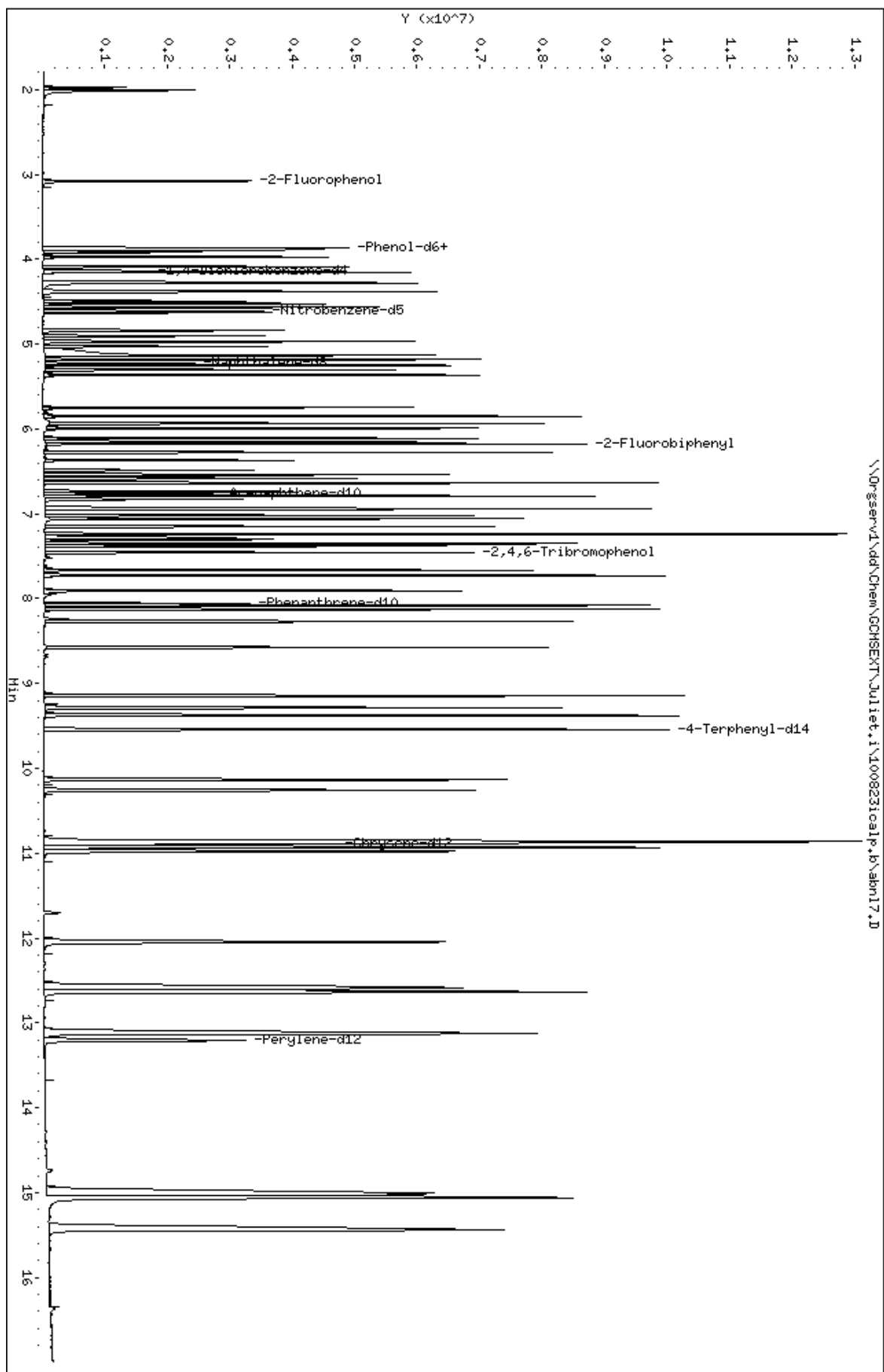
Sample Info: abn 150 lot#3556

Column phase: RTX-5

Instrument: Juliet.i

Operator: hl

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\abnl7.D
Lab Smp Id:
Inj Date : 23-AUG-2010 16:10
Operator : hl Inst ID: Juliet.i
Smp Info : abn 150 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNV2.m
Meth Date : 24-Aug-2010 13:14 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 19:03 Cal File: ap9l6.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270ical.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.973	1.973	(0.477)	457515	150.000	144		
2 Pyridine	79	2.006	2.006	(0.485)	934484	150.000	159		
\$ 3 2-Fluorophenol	112	3.081	3.081	(0.745)	943529	150.000	150		
\$ 7 Phenol-d6	99	3.872	3.872	(0.937)	1117191	150.000	146		
8 Phenol	94	3.883	3.883	(0.939)	1068462	150.000	138		
9 Aniline	93	3.862	3.862	(0.934)	1371321	150.000	146		
11 Bis(2-chloroethyl)ether	93	3.915	3.915	(0.947)	787592	150.000	145		
12 2-Chlorophenol	128	3.974	3.974	(0.961)	1011751	150.000	142		
13 1,3-Dichlorobenzene	146	4.092	4.092	(0.990)	1099022	150.000	137		
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	211913	40.0000			
16 1,4-Dichlorobenzene	146	4.150	4.150	(1.004)	1101245	150.000	135		
17 Benzyl alcohol	79	4.268	4.268	(1.032)	810049	150.000	153(M)		M1
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	1080920	150.000	141		
19 2-Methylphenol	108	4.380	4.380	(1.060)	924888	150.000	155		
20 Bis(2-chloroisopropyl)ether	45	4.370	4.370	(1.057)	769868	150.000	143		
22 3-Methylphenol/4-Methylphenol	108	4.519	4.519	(1.093)	957465	150.000	147		
24 n-Nitrosodi-n-propylamine	70	4.493	4.493	(1.087)	609302	150.000	144		
26 Hexachloroethane	117	4.568	4.568	(1.105)	455264	150.000	141		
\$ 28 Nitrobenzene-d5	82	4.610	4.610	(1.115)	975113	150.000	147		
29 Nitrobenzene	77	4.626	4.626	(0.884)	911356	150.000	131		
30 Isophorone	82	4.835	4.835	(1.169)	1726097	150.000	147		
32 2-Nitrophenol	139	4.905	4.905	(1.186)	620701	150.000	153		
33 2,4-Dimethylphenol	107	4.969	4.969	(1.202)	1012714	150.000	147		
36 Bis(2-chloroethoxy)methane	93	5.028	5.028	(1.216)	971096	150.000	138		
34 Benzoic acid	105	5.118	5.118	(0.979)	848881	150.000	147		
37 2,4-Dichlorophenol	162	5.129	5.129	(0.981)	972298	150.000	135		
38 1,2,4-Trichlorobenzene	180	5.183	5.183	(0.991)	1120982	150.000	129		
* 39 Naphthalene-d8	136	5.231	5.231	(1.000)	860491	40.0000			
40 Naphthalene	128	5.252	5.252	(1.004)	2613918	150.000	120		
43 4-Chloroaniline	65	5.306	5.306	(1.014)	319610	150.000	134		
44 Hexachlorobutadiene	225	5.365	5.365	(1.026)	705243	150.000	127		
50 p-Chloro-m-cresol	107	5.750	5.750	(1.099)	866288	150.000	129		
51 2-Methylnaphthalene	142	5.851	5.851	(1.119)	2003550	150.000	129		

Compounds	QUANT	SIG						AMOUNTS		REVIEW CODE
			MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115		5.937	5.937	(1.135)		685032	150.000	124	
55 Hexachlorocyclopentadiene	237		5.990	5.990	(1.145)		978637	150.000	164	
56 2,4,6-Trichlorophenol	196		6.108	6.108	(1.168)		844631	150.000	140	
57 2,4,5-Trichlorophenol	196		6.151	6.151	(1.176)		921119	150.000	142	
\$ 58 2-Fluorobiphenyl	172		6.172	6.172	(1.180)		2228947	150.000	113(M)	M1
60 2-Chloronaphthalene	162		6.274	6.274	(1.199)		2003580	150.000	123(M)	M1
62 2-Nitroaniline	138		6.375	6.375	(1.219)		811143	150.000	147	
65 1,4-Dinitrobenzene	168		6.488	6.488	(0.960)		403633	150.000	167	
66 Dimethyl phthalate	163		6.541	6.541	(0.968)		2490640	150.000	134	
67 1,3-Dinitrobenzene	168		6.563	6.563	(0.971)		455453	150.000	157	
69 2,6-Dinitrotoluene	165		6.584	6.584	(1.259)		639550	150.000	143	
68 1,2-Dinitrobenzene	168		6.637	6.637	(0.982)		252645	150.000	144	
70 Acenaphthylene	152		6.637	6.637	(1.269)		3029545	150.000	117(M)	M1
72 3-Nitroaniline	138		6.739	6.739	(0.997)		704914	150.000	149	
* 74 Acenaphthene-d10	164		6.761	6.761	(1.000)		563186	40.0000		
75 Acenaphthene	154		6.787	6.787	(1.004)		1933909	150.000	133	
76 2,4-Dinitrophenol	184		6.825	6.825	(1.009)		459548	150.000	154	
77 4-Nitrophenol	65		6.926	6.926	(1.025)		410984	150.000	143	
80 2,4-Dinitrotoluene	165		6.937	6.937	(1.026)		686398	150.000	126	
78 Dibenzofuran	168		6.942	6.942	(1.027)		2564751	150.000	116	
81 2,3,4,6-Tetrachlorophenol	232		7.023	7.023	(1.039)		864512	150.000	153	
82 2,3,5,6-Tetrachlorophenol	232		7.060	7.060	(1.044)		907059	150.000	149(M)	M1
83 Diethyl phthalate	149		7.151	7.151	(1.058)		2426176	150.000	124	
84 4-Chlorophenyl phenyl ether	204		7.237	7.237	(1.070)		1167345	150.000	119	
85 Fluorene	166		7.242	7.242	(1.071)		2152560	150.000	116	
86 4-Nitroaniline	138		7.285	7.285	(1.078)		723148	150.000	152(H)	M3
87 4,6-Dinitro-o-cresol	198		7.306	7.306	(1.081)		619082	150.000	168	
88 NDPA/DPA	169		7.349	7.349	(1.087)		2119546	150.000	132	
89 Azobenzene	77		7.381	7.381	(1.092)		1886037	150.000	130	
\$ 91 2,4,6-Tribromophenol	330		7.456	7.456	(0.926)		930082	150.000	140	
94 4-Bromophenyl phenyl ether	248		7.664	7.664	(1.134)		1049568	150.000	140	
97 Hexachlorobenzene	284		7.729	7.729	(1.143)		1400723	150.000	136	
100 Pentachlorophenol	266		7.905	7.905	(0.981)		814296	150.000	148	
* 102 Phenanthrene-d10	188		8.055	8.055	(1.000)		1112093	40.0000		
103 Phenanthrene	178		8.076	8.076	(1.003)		3454732	150.000	114	
104 Anthracene	178		8.124	8.124	(1.009)		3512226	150.000	115	
106 Carbazole	167		8.269	8.269	(1.027)		3422799	150.000	118	
109 Di-n-butylphthalate	149		8.574	8.574	(1.064)		4032307	150.000	116	
115 Fluoranthene	202		9.146	9.146	(1.135)		4299291	150.000	123	
117 Benzidine	184		9.285	9.285	(1.153)		3537067	150.000	145	
119 Pyrene	202		9.376	9.376	(1.164)		4694837	150.000	118	
\$ 120 4-Terphenyl-d14	244		9.542	9.542	(1.185)		3626170	150.000	122	
122 Butyl benzyl phthalate	149		10.136	10.136	(1.258)		2458819	150.000	143	
124 Bis (2-ethylhexyl) adipate	129		10.259	10.259	(2.481)		1783138	150.000	165	
127 3,3'-Dichlorobenzidine	252		10.863	10.863	(0.998)		2534145	150.000	133	
128 Benzo(a)anthracene	228		10.874	10.874	(0.999)		5481654	150.000	126	
* 129 Chrysene-d12	240		10.890	10.890	(1.000)		1682041	40.0000		
131 Chrysene	228		10.932	10.932	(1.004)		5304428	150.000	128(M)	M1
132 Bis(2-ethylhexyl)phthalate	149		10.981	10.981	(1.008)		3358581	150.000	138	
137 Di-n-octylphthalate	149		12.045	12.045	(1.106)		6051835	150.000	151	
138 Benzo(b)fluoranthene	252		12.585	12.585	(0.953)		7294520	150.000	139	
139 Benzo(k)fluoranthene	252		12.639	12.639	(0.957)		6752853	150.000	134	
141 Benzo(a)pyrene	252		13.131	13.131	(0.994)		6952133	150.000	139	
* 143 Perylene-d12	264		13.211	13.211	(1.000)		2072422	40.0000		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL					
	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	15.008	15.008	(1.136)	8832447	150.000	153	
147 Dibenzo(a,h)anthracene	278	15.062	15.062	(1.140)	7678184	150.000	139	
149 Benzo(ghi)perylene	276	15.441	15.441	(1.169)	8380812	150.000	140	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl7.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 15:21
Level:
Sample Type:

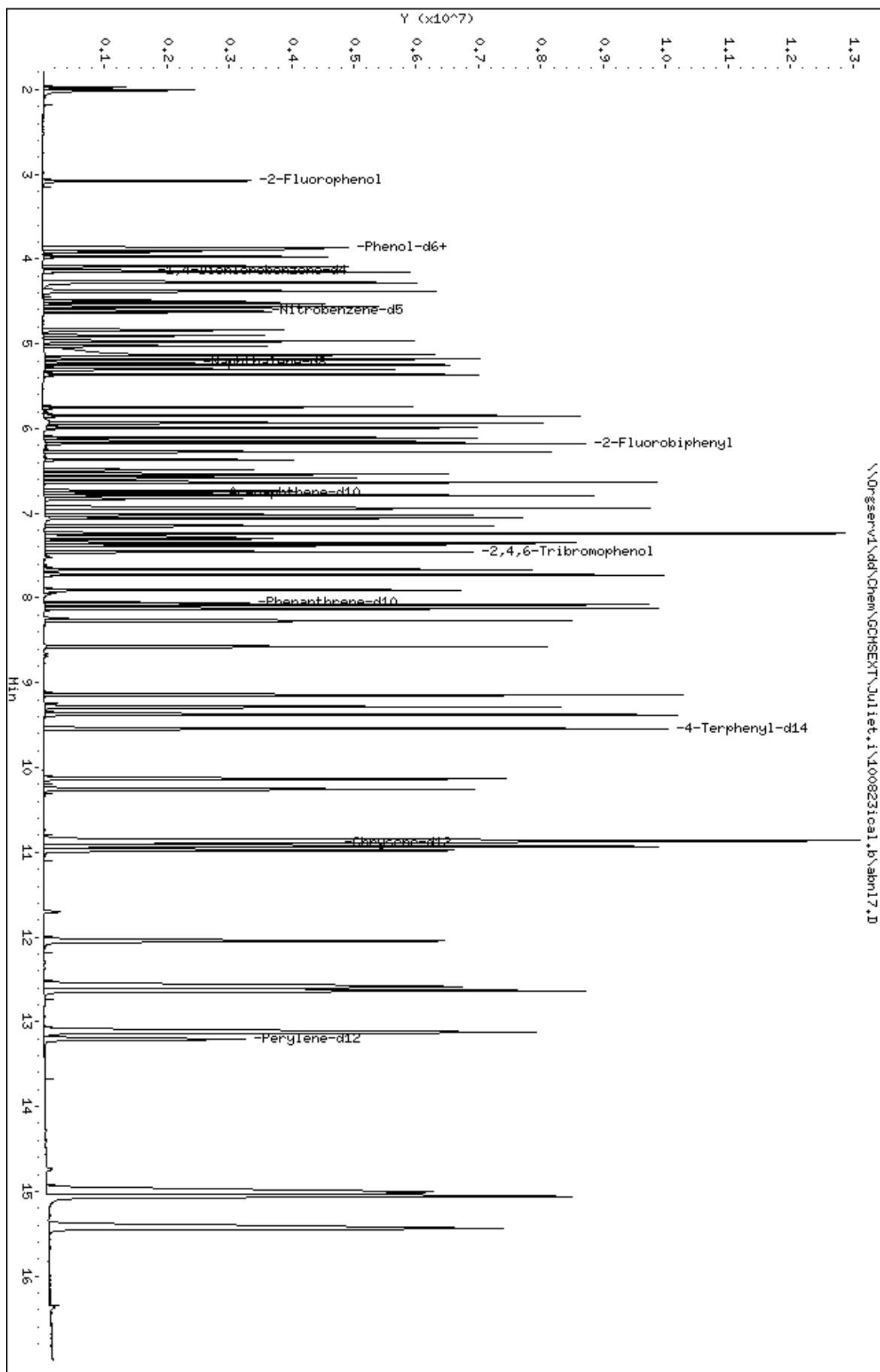
Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	211913	-25.30
39 Naphthalene-d8	1087160	543580	2174320	860491	-20.85
74 Acenaphthene-d10	705299	352650	1410598	563186	-20.15
102 Phenanthrene-d10	1342395	671198	2684790	1112093	-17.16
129 Chrysene-d12	1951586	975793	3903172	1682041	-13.81
143 Perylene-d12	2451344	1225672	4902688	2072422	-15.46

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.10
74 Acenaphthene-d10	6.75	6.25	7.25	6.76	0.16
102 Phenanthrene-d10	8.04	7.54	8.54	8.06	0.13
129 Chrysene-d12	10.86	10.36	11.36	10.89	0.25
143 Perylene-d12	13.20	12.70	13.70	13.21	0.12

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\abnl8.D
Lab Smp Id:
Inj Date : 23-AUG-2010 16:35
Operator : hl Inst ID: Juliet.i
Smp Info : abn 200 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:18 aal Quant Type: ISTD
Cal Date : 23-AUG-2010 19:53 Cal File: ap9l8.D
Als bottle: 8 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270ical.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
						CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.979	1.979 (0.479)		672206	200.000	192	
2 Pyridine	79	2.006	2.006 (0.485)		1335073	200.000	205	
\$ 3 2-Fluorophenol	112	3.081	3.081 (0.745)		1375840	200.000	197	
\$ 7 Phenol-d6	99	3.878	3.878 (0.938)		1563430	200.000	185	
8 Phenol	94	3.888	3.888 (0.940)		1495452	200.000	175	
9 Aniline	93	3.867	3.867 (0.935)		1870662	200.000	180	
11 Bis(2-chloroethyl)ether	93	3.915	3.915 (0.947)		1114481	200.000	186	
12 2-Chlorophenol	128	3.974	3.974 (0.961)		1461397	200.000	185	
13 1,3-Dichlorobenzene	146	4.092	4.092 (0.990)		1576022	200.000	177	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134 (1.000)		234569	40.0000		
16 1,4-Dichlorobenzene	146	4.151	4.151 (1.004)		1548202	200.000	172	
17 Benzyl alcohol	79	4.274	4.274 (1.034)		1046243	200.000	181	
18 1,2-Dichlorobenzene	146	4.284	4.284 (1.036)		1451235	200.000	171	
19 2-Methylphenol	108	4.386	4.386 (1.061)		1245856	200.000	189	
20 Bis(2-chloroisopropyl)ether	45	4.375	4.375 (1.058)		1041252	200.000	176	
22 3-Methylphenol/4-Methylphenol	108	4.525	4.525 (1.094)		1407565	200.000	195	
24 n-Nitrosodi-n-propylamine	70	4.498	4.498 (1.088)		874731	200.000	187	
26 Hexachloroethane	117	4.568	4.568 (1.105)		637499	200.000	178	
\$ 28 Nitrobenzene-d5	82	4.616	4.616 (1.116)		1406945	200.000	191	
29 Nitrobenzene	77	4.632	4.632 (0.885)		1257145	200.000	165	
30 Isophorone	82	4.846	4.846 (1.172)		2376331	200.000	183	
32 2-Nitrophenol	139	4.905	4.905 (1.186)		878144	200.000	196	
33 2,4-Dimethylphenol	107	4.974	4.974 (1.203)		1352854	200.000	178	
36 Bis(2-chloroethoxy)methane	93	5.028	5.028 (1.216)		1379515	200.000	177	
34 Benzoic acid	105	5.124	5.124 (0.980)		1079199	200.000	175	
37 2,4-Dichlorophenol	162	5.135	5.135 (0.982)		1306310	200.000	165	
38 1,2,4-Trichlorobenzene	180	5.188	5.188 (0.992)		1516452	200.000	159	
* 39 Naphthalene-d8	136	5.231	5.231 (1.000)		944084	40.0000		
40 Naphthalene	128	5.252	5.252 (1.004)		3458302	200.000	144	
43 4-Chloroaniline	65	5.306	5.306 (1.014)		440198	200.000	169	
44 Hexachlorobutadiene	225	5.365	5.365 (1.026)		1013514	200.000	167	
50 p-Chloro-m-cresol	107	5.750	5.750 (1.099)		1274428	200.000	173	
51 2-Methylnaphthalene	142	5.851	5.851 (1.119)		2572194	200.000	151	

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL	RT	EXP RT	REL RT	RESPONSE	
=====	=====	(ng)	(ng)	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.937	5.937 (1.135)	937388	200.000	154		
55 Hexachlorocyclopentadiene	237	5.996	5.996 (1.146)	1311817	200.000	201		
56 2,4,6-Trichlorophenol	196	6.113	6.113 (1.169)	1102855	200.000	166		
57 2,4,5-Trichlorophenol	196	6.151	6.151 (1.176)	1217737	200.000	170		
\$ 58 2-Fluorobiphenyl	172	6.178	6.178 (1.181)	3057531	200.000	142		
60 2-Chloronaphthalene	162	6.279	6.279 (1.200)	2593910	200.000	145		
62 2-Nitroaniline	138	6.376	6.376 (1.219)	1119725	200.000	184		
65 1,4-Dinitrobenzene	168	6.493	6.493 (0.960)	572408	200.000	212		
66 Dimethyl phthalate	163	6.547	6.547 (0.968)	3284676	200.000	159		
67 1,3-Dinitrobenzene	168	6.568	6.568 (0.972)	633093	200.000	196		
69 2,6-Dinitrotoluene	165	6.589	6.589 (1.260)	892354	200.000	182		
68 1,2-Dinitrobenzene	168	6.643	6.643 (0.983)	350327	200.000	179		
70 Acenaphthylene	152	6.638	6.638 (1.269)	3987078	200.000	140		
72 3-Nitroaniline	138	6.745	6.745 (0.998)	974936	200.000	185		
* 74 Acenaphthene-d10	164	6.761	6.761 (1.000)	627436	40.0000			
75 Acenaphthene	154	6.793	6.793 (1.005)	2598883	200.000	160		
76 2,4-Dinitrophenol	184	6.830	6.830 (1.010)	669335	200.000	200		
77 4-Nitrophenol	65	6.932	6.932 (1.025)	546071	200.000	171		
80 2,4-Dinitrotoluene	165	6.948	6.948 (1.028)	961035	200.000	159		
78 Dibenzofuran	168	6.942	6.942 (1.027)	3437030	200.000	139		
81 2,3,4,6-Tetrachlorophenol	232	7.023	7.023 (1.039)	1188873	200.000	189		
82 2,3,5,6-Tetrachlorophenol	232	7.060	7.060 (1.044)	1147254	200.000	172		
83 Diethyl phthalate	149	7.156	7.156 (1.059)	3127687	200.000	144		
84 4-Chlorophenyl phenyl ether	204	7.242	7.242 (1.071)	1396287	200.000	128		
85 Fluorene	166	7.247	7.247 (1.072)	2638643	200.000	128		
86 4-Nitroaniline	138	7.296	7.296 (1.079)	960200	200.000	181		
87 4,6-Dinitro-o-cresol	198	7.312	7.312 (1.081)	813849	200.000	198		
88 NDPA/DPA	169	7.354	7.354 (1.088)	2778029	200.000	156		
89 Azobenzene	77	7.381	7.381 (1.092)	2550967	200.000	158		
\$ 91 2,4,6-Tribromophenol	330	7.461	7.461 (0.926)	1239660	200.000	180		
94 4-Bromophenyl phenyl ether	248	7.670	7.670 (1.134)	1376663	200.000	165		
97 Hexachlorobenzene	284	7.729	7.729 (1.143)	1847795	200.000	160		
100 Pentachlorophenol	266	7.905	7.905 (0.981)	1150155	200.000	201		
* 102 Phenanthrene-d10	188	8.055	8.055 (1.000)	1154214	40.0000			
103 Phenanthrene	178	8.082	8.082 (1.003)	4513758	200.000	143		
104 Anthracene	178	8.125	8.125 (1.009)	4744987	200.000	149		
106 Carbazole	167	8.274	8.274 (1.027)	4639109	200.000	154		
109 Di-n-butylphthalate	149	8.579	8.579 (1.065)	5092635	200.000	142		
115 Fluoranthene	202	9.151	9.151 (1.136)	5621718	200.000	155		
117 Benzidine	184	9.291	9.291 (1.153)	4410822	200.000	174		
119 Pyrene	202	9.381	9.381 (1.165)	6161321	200.000	149		
\$ 120 4-Terphenyl-d14	244	9.547	9.547 (1.185)	4743549	200.000	154		
122 Butyl benzyl phthalate	149	10.141	10.141 (1.259)	3159308	200.000	178		
124 Bis (2-ethylhexyl) adipate	129	10.264	10.264 (2.482)	2167984	200.000	182		
127 3,3'-Dichlorobenzidine	252	10.874	10.874 (0.998)	3121045	200.000	170		
128 Benzo(a)anthracene	228	10.879	10.879 (0.999)	6961856	200.000	166		
* 129 Chrysene-d12	240	10.895	10.895 (1.000)	1620124	40.0000			
131 Chrysene	228	10.938	10.938 (1.004)	6816481	200.000	172		
132 Bis(2-ethylhexyl)phthalate	149	10.981	10.981 (1.008)	4228292	200.000	180		
137 Di-n-octylphthalate	149	12.056	12.056 (1.107)	7530881	200.000	195		
138 Benzo(b)fluoranthene	252	12.607	12.607 (0.954)	10986412	200.000	210		
139 Benzo(k)fluoranthene	252	12.649	12.649 (0.957)	8094690	200.000	161		
141 Benzo(a)pyrene	252	13.142	13.142 (0.995)	9141835	200.000	183		
* 143 Perylene-d12	264	13.211	13.211 (1.000)	2066206	40.0000			

Compounds	QUANT SIG	AMOUNTS							
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT	ON -COL	REVIEW CODE
							(ng)	(ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	15.035	15.035	(1.138)	13583501	200.000	233		
147 Dibenzo(a,h)anthracene	278	15.078	15.078	(1.141)	10082637	200.000	183		
149 Benzo(ghi)perylene	276	15.452	15.452	(1.170)	11161283	200.000	187		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl8.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 15:21
Level:
Sample Type:

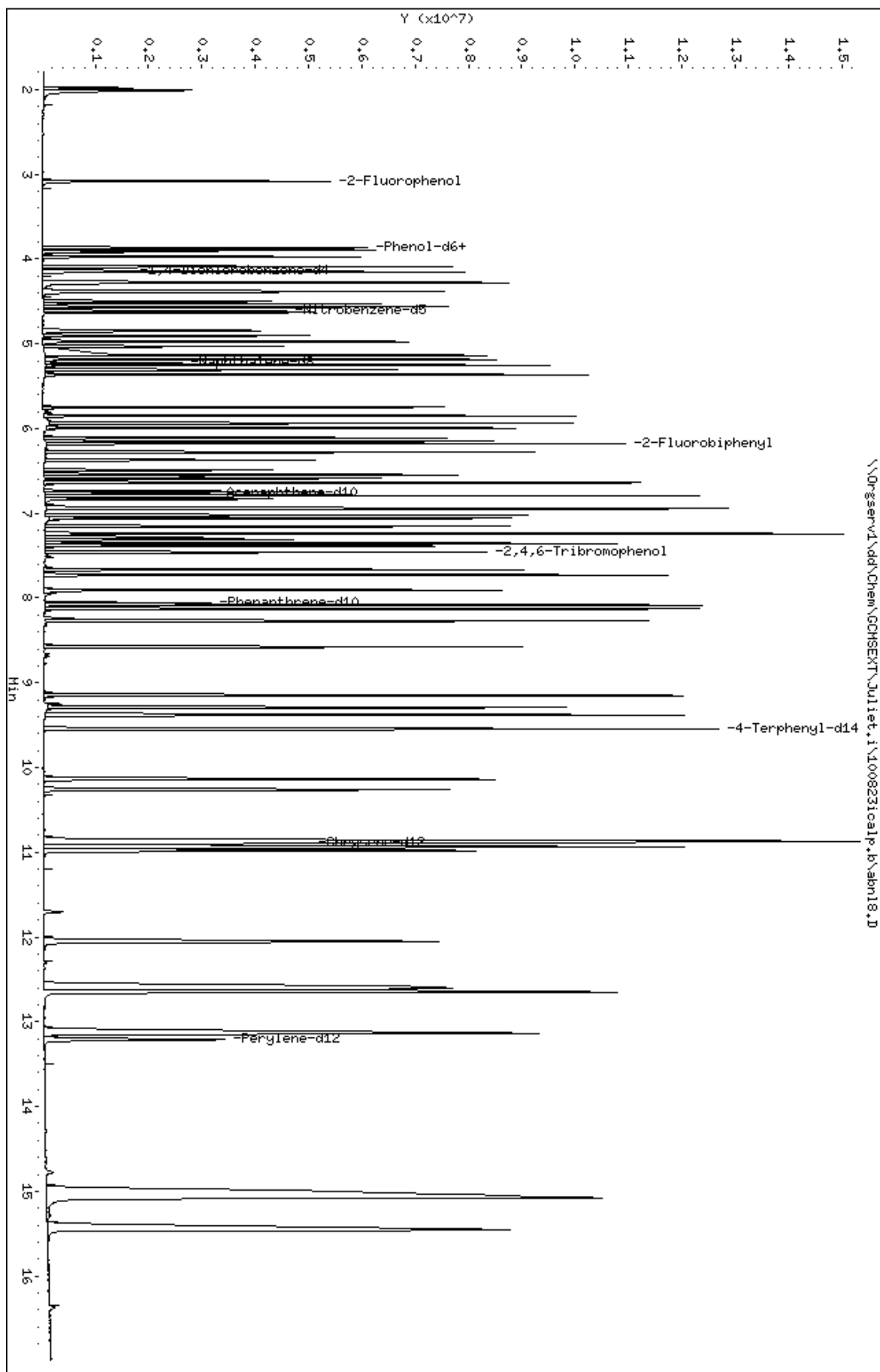
Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	234569	-17.32
39 Naphthalene-d8	1087160	543580	2174320	944084	-13.16
74 Acenaphthene-d10	705299	352650	1410598	627436	-11.04
102 Phenanthrene-d10	1342395	671198	2684790	1154214	-14.02
129 Chrysene-d12	1951586	975793	3903172	1620124	-16.98
143 Perylene-d12	2451344	1225672	4902688	2066206	-15.71

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.10
74 Acenaphthene-d10	6.75	6.25	7.25	6.76	0.16
102 Phenanthrene-d10	8.04	7.54	8.54	8.06	0.13
129 Chrysene-d12	10.86	10.36	11.36	10.90	0.30
143 Perylene-d12	13.20	12.70	13.70	13.21	0.12

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\abnl8.D
Lab Smp Id:
Inj Date : 23-AUG-2010 16:35
Operator : hl
Smp Info : abn 200 lot#3556
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNV2.m
Meth Date : 24-Aug-2010 13:14 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 19:28 Cal File: ap9l7.D
Als bottle: 8 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270ical.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.979	1.979	(0.479)	672206	200.000	192		
2 Pyridine	79	2.006	2.006	(0.485)	1335073	200.000	205		
\$ 3 2-Fluorophenol	112	3.081	3.081	(0.745)	1375840	200.000	197		
\$ 7 Phenol-d6	99	3.878	3.878	(0.938)	1563430	200.000	185		
8 Phenol	94	3.888	3.888	(0.940)	1584604	200.000	184(M)		M1
9 Aniline	93	3.867	3.867	(0.935)	1870662	200.000	180		
11 Bis(2-chloroethyl)ether	93	3.915	3.915	(0.947)	1114481	200.000	186		
12 2-Chlorophenol	128	3.974	3.974	(0.961)	1461397	200.000	185		
13 1,3-Dichlorobenzene	146	4.092	4.092	(0.990)	1576022	200.000	177		
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	234569	40.0000			
16 1,4-Dichlorobenzene	146	4.151	4.151	(1.004)	1548202	200.000	172		
17 Benzyl alcohol	79	4.274	4.274	(1.034)	1104590	200.000	188(M)		M1
18 1,2-Dichlorobenzene	146	4.284	4.284	(1.036)	1451235	200.000	171		
19 2-Methylphenol	108	4.386	4.386	(1.061)	1245856	200.000	189		
20 Bis(2-chloroisopropyl)ether	45	4.375	4.375	(1.058)	1041252	200.000	174		
22 3-Methylphenol/4-Methylphenol	108	4.525	4.525	(1.094)	1407565	200.000	195		
24 n-Nitrosodi-n-propylamine	70	4.498	4.498	(1.088)	874731	200.000	187		
26 Hexachloroethane	117	4.568	4.568	(1.105)	637499	200.000	178		
\$ 28 Nitrobenzene-d5	82	4.616	4.616	(1.116)	1406945	200.000	191		
29 Nitrobenzene	77	4.632	4.632	(0.885)	1257145	200.000	165		
30 Isophorone	82	4.846	4.846	(1.172)	2376331	200.000	183		
32 2-Nitrophenol	139	4.905	4.905	(1.186)	878144	200.000	196		
33 2,4-Dimethylphenol	107	4.974	4.974	(1.203)	1352854	200.000	178		
36 Bis(2-chloroethoxy)methane	93	5.028	5.028	(1.216)	1379515	200.000	177		
34 Benzoic acid	105	5.140	5.140	(0.983)	1214216	200.000	192(M)		M1
37 2,4-Dichlorophenol	162	5.135	5.135	(0.982)	1316964	200.000	166(M)		M1
38 1,2,4-Trichlorobenzene	180	5.188	5.188	(0.992)	1516452	200.000	159		
* 39 Naphthalene-d8	136	5.231	5.231	(1.000)	944084	40.0000			
40 Naphthalene	128	5.252	5.252	(1.004)	3458302	200.000	144		
43 4-Chloroaniline	65	5.306	5.306	(1.014)	440198	200.000	169		
44 Hexachlorobutadiene	225	5.365	5.365	(1.026)	1013514	200.000	167		
50 p-Chloro-m-cresol	107	5.750	5.750	(1.099)	1274428	200.000	173		
51 2-Methylnaphthalene	142	5.851	5.851	(1.119)	2572194	200.000	151		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL	RT	EXP RT	REL RT	RESPONSE	
=====	=====	(ng)	(ng)	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.937	5.937 (1.135)	937388	200.000	154		
55 Hexachlorocyclopentadiene	237	5.996	5.996 (1.146)	1311817	200.000	201		
56 2,4,6-Trichlorophenol	196	6.113	6.113 (1.169)	1102855	200.000	166		
57 2,4,5-Trichlorophenol	196	6.151	6.151 (1.176)	1217737	200.000	170		
\$ 58 2-Fluorobiphenyl	172	6.178	6.178 (1.181)	3080244	200.000	143(M)		M1
60 2-Chloronaphthalene	162	6.279	6.279 (1.200)	2612104	200.000	146(M)		M1
62 2-Nitroaniline	138	6.376	6.376 (1.219)	1119725	200.000	184		
65 1,4-Dinitrobenzene	168	6.493	6.493 (0.960)	572408	200.000	212		
66 Dimethyl phthalate	163	6.547	6.547 (0.968)	3284676	200.000	159		
67 1,3-Dinitrobenzene	168	6.568	6.568 (0.972)	633093	200.000	196		
69 2,6-Dinitrotoluene	165	6.589	6.589 (1.260)	892354	200.000	182		
68 1,2-Dinitrobenzene	168	6.643	6.643 (0.983)	350327	200.000	179		
70 Acenaphthylene	152	6.638	6.638 (1.269)	4018300	200.000	141(M)		M1
72 3-Nitroaniline	138	6.745	6.745 (0.998)	974936	200.000	185		
* 74 Acenaphthene-d10	164	6.761	6.761 (1.000)	627436	40.0000			
75 Acenaphthene	154	6.793	6.793 (1.005)	2598883	200.000	160		
76 2,4-Dinitrophenol	184	6.830	6.830 (1.010)	669335	200.000	200		
77 4-Nitrophenol	65	6.932	6.932 (1.025)	546071	200.000	171		
80 2,4-Dinitrotoluene	165	6.948	6.948 (1.028)	961035	200.000	159		
78 Dibenzofuran	168	6.942	6.942 (1.027)	3437030	200.000	139		
81 2,3,4,6-Tetrachlorophenol	232	7.023	7.023 (1.039)	1188873	200.000	189		
82 2,3,5,6-Tetrachlorophenol	232	7.060	7.060 (1.044)	1200150	200.000	177(M)		M1
83 Diethyl phthalate	149	7.156	7.156 (1.059)	3127687	200.000	144		
84 4-Chlorophenyl phenyl ether	204	7.242	7.242 (1.071)	1396287	200.000	128		
85 Fluorene	166	7.247	7.247 (1.072)	2638643	200.000	128		
86 4-Nitroaniline	138	7.296	7.296 (1.079)	960213	200.000	181(H)		M3
87 4,6-Dinitro-o-cresol	198	7.312	7.312 (1.081)	813849	200.000	198		
88 NDPA/DPA	169	7.354	7.354 (1.088)	2778029	200.000	156		
89 Azobenzene	77	7.381	7.381 (1.092)	2550967	200.000	158		
\$ 91 2,4,6-Tribromophenol	330	7.461	7.461 (0.926)	1239660	200.000	180		
94 4-Bromophenyl phenyl ether	248	7.670	7.670 (1.134)	1376663	200.000	165		
97 Hexachlorobenzene	284	7.729	7.729 (1.143)	1847795	200.000	160		
100 Pentachlorophenol	266	7.905	7.905 (0.981)	1150155	200.000	201		
* 102 Phenanthrene-d10	188	8.055	8.055 (1.000)	1154214	40.0000			
103 Phenanthrene	178	8.082	8.082 (1.003)	4513758	200.000	143		
104 Anthracene	178	8.125	8.125 (1.009)	4744987	200.000	149		
106 Carbazole	167	8.274	8.274 (1.027)	4639109	200.000	154		
109 Di-n-butylphthalate	149	8.579	8.579 (1.065)	5101356	200.000	142(M)		M1
115 Fluoranthene	202	9.151	9.151 (1.136)	5621718	200.000	155		
117 Benzidine	184	9.291	9.291 (1.153)	4410822	200.000	174		
119 Pyrene	202	9.381	9.381 (1.165)	6161321	200.000	149		
\$ 120 4-Terphenyl-d14	244	9.547	9.547 (1.185)	4743549	200.000	154		
122 Butyl benzyl phthalate	149	10.141	10.141 (1.259)	3159308	200.000	178		
124 Bis (2-ethylhexyl) adipate	129	10.264	10.264 (2.482)	2167984	200.000	182		
127 3,3'-Dichlorobenzidine	252	10.874	10.874 (0.998)	3121045	200.000	170		
128 Benzo(a)anthracene	228	10.879	10.879 (0.999)	6961856	200.000	166		
* 129 Chrysene-d12	240	10.895	10.895 (1.000)	1620124	40.0000			
131 Chrysene	228	10.938	10.938 (1.004)	6816481	200.000	171		
132 Bis(2-ethylhexyl)phthalate	149	10.981	10.981 (1.008)	4228292	200.000	180		
137 Di-n-octylphthalate	149	12.056	12.056 (1.107)	7530881	200.000	195		
138 Benzo(b)fluoranthene	252	12.607	12.607 (0.954)	10986412	200.000	210		
139 Benzo(k)fluoranthene	252	12.649	12.649 (0.957)	8094690	200.000	161		
141 Benzo(a)pyrene	252	13.142	13.142 (0.995)	9141835	200.000	183		
* 143 Perylene-d12	264	13.211	13.211 (1.000)	2066206	40.0000			

Compounds	QUANT SIG	AMOUNTS						
		CAL-AMT	ON-COL		REVIEW CODE			
=====	=====	(ng)	(ng)					=====
146 Indeno(1,2,3-cd)pyrene	276	15.035	15.035	(1.138)	12244748	200.000	213(M)	M1
147 Dibenzo(a,h)anthracene	278	15.078	15.078	(1.141)	10082637	200.000	183	
149 Benzo(ghi)perylene	276	15.452	15.452	(1.170)	11161283	200.000	187	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnl8.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 15:21
Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

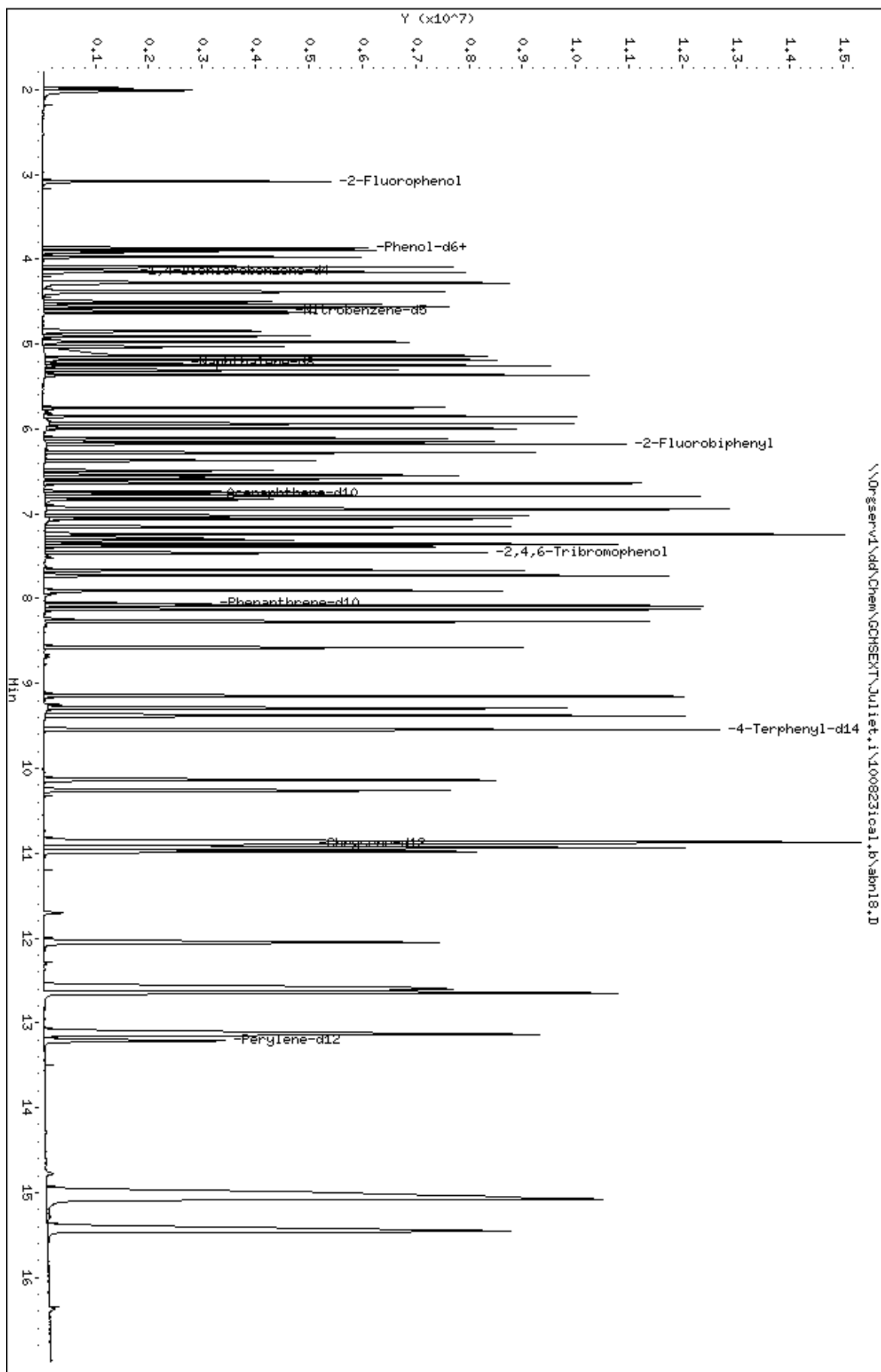
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	234569	-17.32
39 Naphthalene-d8	1087160	543580	2174320	944084	-13.16
74 Acenaphthene-d10	705299	352650	1410598	627436	-11.04
102 Phenanthrene-d10	1342395	671198	2684790	1154214	-14.02
129 Chrysene-d12	1951586	975793	3903172	1620124	-16.98
143 Perylene-d12	2451344	1225672	4902688	2066206	-15.71

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.10
74 Acenaphthene-d10	6.75	6.25	7.25	6.76	0.16
102 Phenanthrene-d10	8.04	7.54	8.54	8.06	0.13
129 Chrysene-d12	10.86	10.36	11.36	10.90	0.30
143 Perylene-d12	13.20	12.70	13.70	13.21	0.12

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drsgserv1\dd\Chem\GCHEXT\Juliet.i\1008231cal.b\abn18.D
Date : 23-AUG-2010 16:35
Client ID:
Sample Info: abn 200 lot#3556
Column phase: RTX-5

Instrument: Juliet.i
Operator: hl
Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\ap9l1.D
Lab Smp Id:
Inj Date : 23-AUG-2010 17:00
Operator : hl Inst ID: Juliet.i
Smp Info : ap9 2 lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:18 aal Quant Type: ISTD
Cal Date : 23-AUG-2010 17:00 Cal File: ap9l1.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ap9short.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT		ON -COL
							(ng)		(ng)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
5 Benzaldehyde	105	3.765	3.765	(0.911)	10934	2.00000	2.66		
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	222447	40.0000			
23 Acetophenone	105	4.477	4.477	(1.083)	22381	2.00000	2.50		
25 m-Toluidine	106	4.546	4.546	(1.100)	12341	2.00000	2.44		
31 2-Chloroaniline	127	4.867	4.867	(1.177)	23048	2.00000	2.49		
* 39 Naphthalene-d8	136	5.225	5.225	(1.000)	830057	40.0000			
42 a-Terpineol	59	5.258	5.258	(1.006)	6850	2.00000	2.42		
41 3-Chloroaniline	65	5.279	5.279	(1.010)	5200	2.00000	2.63		
46 1-chloro-2-nitrobenzene	111	5.530	5.530	(1.338)	7488	2.00000	2.46		
47 Caprolactam	55	5.568	5.568	(1.066)	5169	2.00000	2.23		
54 1,2,4,5-Tetrachlorobenzene	216	5.996	5.996	(0.888)	21875	2.00000	2.30		
59 Biphenyl	154	6.252	6.252	(0.926)	46046	2.00000	2.33		
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	603675	40.0000			
96 Dimethoate	87	7.734	7.734	(1.146)	11450	2.00000	1.89		
98 Dichloran	206	7.766	7.766	(1.151)	5642	2.00000	1.88		
99 Atrazine	200	7.803	7.803	(0.970)	1110	2.00000	1.85		
101 Pentachloronitrobenzene	237	7.900	7.900	(1.170)	7031	2.00000	2.01		
* 102 Phenanthrene-d10	188	8.044	8.044	(1.000)	1142155	40.0000			
111 Diphenamid	167	8.836	8.836	(1.098)	30527	2.00000	2.18		
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1724591	40.0000			
140 Benzo(e)pyrene	252	12.997	12.997	(0.985)	101664	2.00000	2.18		
* 143 Perylene-d12	264	13.190	13.190	(1.000)	2046974	40.0000			
144 Perylene	252	13.227	13.227	(1.003)	105891	2.00000	2.30		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l1.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 15:21

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	222447	-21.59
39 Naphthalene-d8	1087160	543580	2174320	830057	-23.65
74 Acenaphthene-d10	705299	352650	1410598	603675	-14.41
102 Phenanthrene-d10	1342395	671198	2684790	1142155	-14.92
129 Chrysene-d12	1951586	975793	3903172	1724591	-11.63
143 Perylene-d12	2451344	1225672	4902688	2046974	-16.50

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	-0.00
102 Phenanthrene-d10	8.04	7.54	8.54	8.04	0.00
129 Chrysene-d12	10.86	10.36	11.36	10.86	-0.00
143 Perylene-d12	13.20	12.70	13.70	13.19	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\vd\dd\Chem\GCHSEXT\Juliet.i\100823icalp.b\ap911.D

Date : 23-AUG-2010 17:00

Client ID:

Sample Info: ap9 2 lot#3557

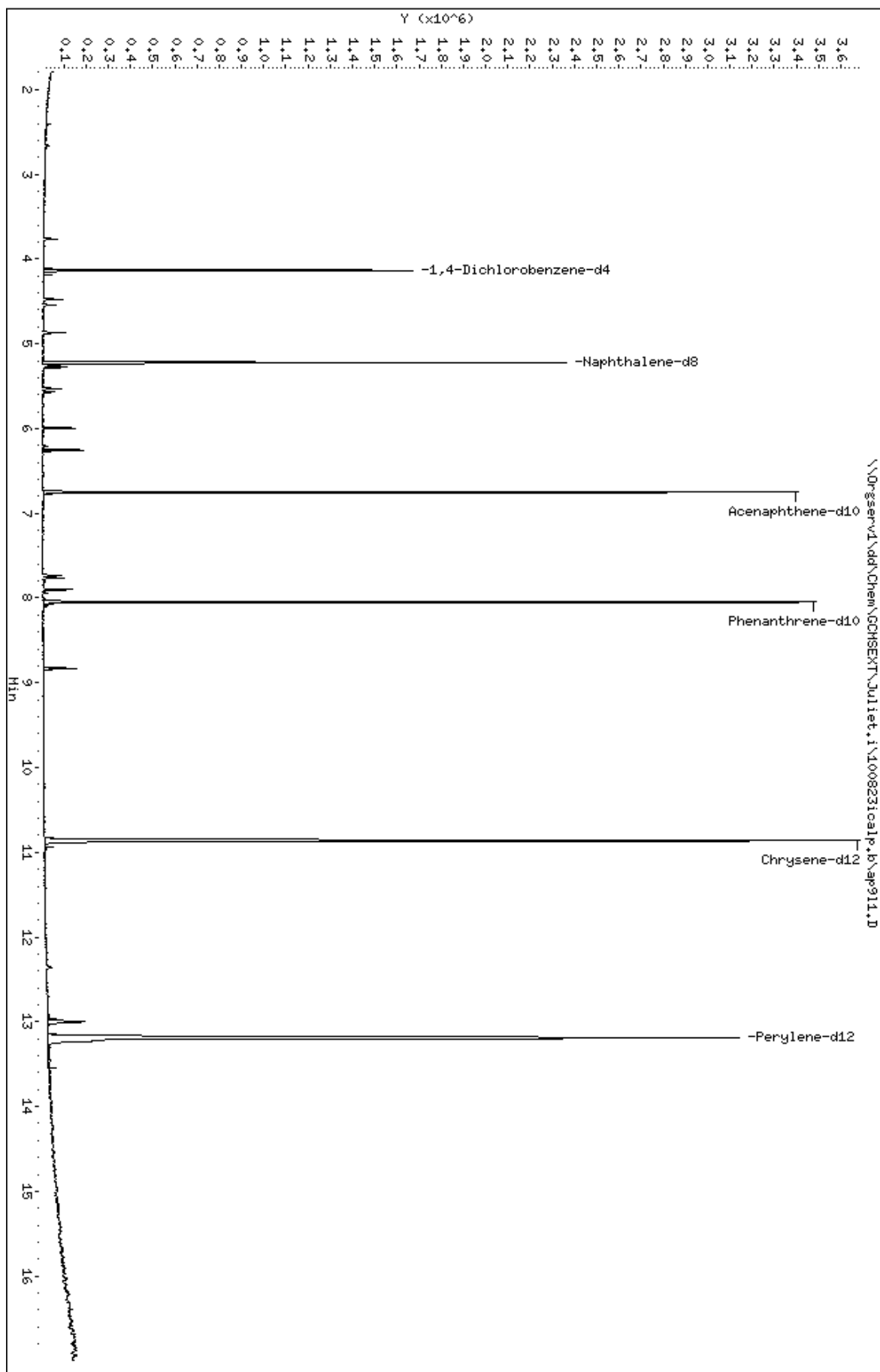
Column phase: RTX-5

Instrument: Juliet.i

Operator: hl

Column diameter: 0.32

Page 3



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l1.D
Lab Smp Id:
Inj Date : 23-AUG-2010 17:00
Operator : hl
Smp Info : ap9 2 lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:15 Juliet.i
Cal Date : 23-AUG-2010 19:53
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: ABN-6

Inst ID: Juliet.i
Quant Type: ISTD
Cal File: ap9l8.D
Calibration Sample, Level: 1
Compound Sublist: ap9short.sub

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
5 Benzaldehyde	105	3.765	3.765	(0.911)	11356	2.00000	2.78(M)	M1
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	222447	40.0000		
23 Acetophenone	105	4.477	4.477	(1.083)	22381	2.00000	2.50	
25 m-Toluidine	106	4.546	4.546	(1.100)	12341	2.00000	2.44	
31 2-Chloroaniline	127	4.867	4.867	(1.177)	23048	2.00000	2.49	
* 39 Naphthalene-d8	136	5.225	5.225	(1.000)	830057	40.0000		
42 a-Terpineol	59	5.258	5.258	(1.006)	6850	2.00000	2.42	
41 3-Chloroaniline	65	5.279	5.279	(1.010)	5200	2.00000	2.65	
46 1-chloro-2-nitrobenzene	111	5.530	5.530	(1.338)	7488	2.00000	2.46	
47 Caprolactam	55	5.568	5.568	(1.066)	5169	2.00000	2.23	
54 1,2,4,5-Tetrachlorobenzene	216	5.996	5.996	(0.888)	21875	2.00000	2.30	
59 Biphenyl	154	6.252	6.252	(0.926)	46120	2.00000	2.34(M)	M1
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	603675	40.0000		
96 Dimethoate	87	7.734	7.734	(1.146)	11450	2.00000	1.89	
98 Dichloran	206	7.766	7.766	(1.151)	5642	2.00000	1.88	
99 Atrazine	200	7.803	7.803	(0.970)	1110	2.00000	1.85	
101 Pentachloronitrobenzene	237	7.900	7.900	(1.170)	7031	2.00000	2.01	
* 102 Phenanthrene-d10	188	8.044	8.044	(1.000)	1142155	40.0000		
111 Diphenamid	167	8.836	8.836	(1.098)	30527	2.00000	2.18	
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1724591	40.0000		
140 Benzo(e)pyrene	252	12.997	12.997	(0.985)	101664	2.00000	2.18	
* 143 Perylene-d12	264	13.190	13.190	(1.000)	2046974	40.0000		
144 Perylene	252	13.227	13.227	(1.003)	105891	2.00000	2.30	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l1.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 15:21
Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	222447	-21.59
39 Naphthalene-d8	1087160	543580	2174320	830057	-23.65
74 Acenaphthene-d10	705299	352650	1410598	603675	-14.41
102 Phenanthrene-d10	1342395	671198	2684790	1142155	-14.92
129 Chrysene-d12	1951586	975793	3903172	1724591	-11.63
143 Perylene-d12	2451344	1225672	4902688	2046974	-16.50

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	-0.00
102 Phenanthrene-d10	8.04	7.54	8.54	8.04	0.00
129 Chrysene-d12	10.86	10.36	11.36	10.86	-0.00
143 Perylene-d12	13.20	12.70	13.70	13.19	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgera1\dd\Chem\GCHEXT\Juliet.i\1008231cal.b\ap911.d

Date : 23-AUG-2010 17:00

Client ID:

Sample Info: ap9 2 lot#3557

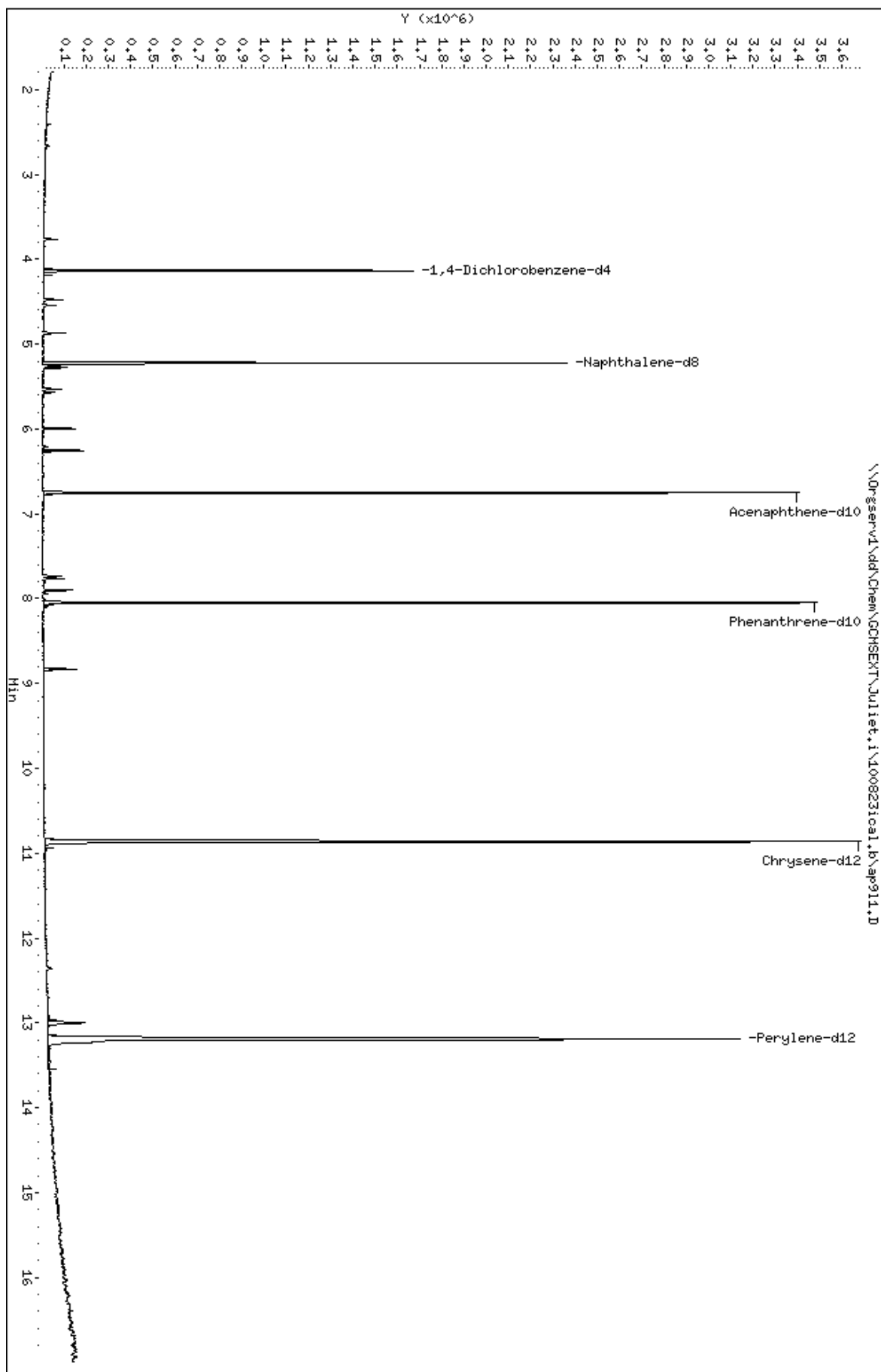
Column phase: RTX-5

Instrument: Juliet.i

Operator: hl

Column diameter: 0.32

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Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\ap9l2.D
Lab Smp Id:
Inj Date : 23-AUG-2010 17:24
Operator : hl Inst ID: Juliet.i
Smp Info : ap9 5lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:18 aal Quant Type: ISTD
Cal Date : 23-AUG-2010 17:24 Cal File: ap9l2.D
Als bottle: 10 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ap9short.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
5 Benzaldehyde	105	3.765	3.765	(0.911)	22944	5.00000	5.49	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	227444	40.0000		
23 Acetophenone	105	4.477	4.477	(1.083)	47872	5.00000	5.22	
25 m-Toluidine	106	4.546	4.546	(1.100)	28088	5.00000	5.43	
31 2-Chloroaniline	127	4.867	4.867	(1.177)	52315	5.00000	5.52	
* 39 Naphthalene-d8	136	5.226	5.226	(1.000)	874139	40.0000		
42 a-Terpineol	59	5.258	5.258	(1.006)	13983	5.00000	4.69	
41 3-Chloroaniline	65	5.279	5.279	(1.010)	11596	5.00000	5.64	
46 1-chloro-2-nitrobenzene	111	5.530	5.530	(1.338)	14778	5.00000	4.75	
47 Caprolactam	55	5.568	5.568	(1.065)	12274	5.00000	5.02	
54 1,2,4,5-Tetrachlorobenzene	216	5.996	5.996	(0.888)	49186	5.00000	5.20	
59 Biphenyl	154	6.253	6.253	(0.926)	105366	5.00000	5.35	
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	600584	40.0000		
96 Dimethoate	87	7.734	7.734	(1.146)	28981	5.00000	4.81	
98 Dichloran	206	7.766	7.766	(1.151)	12690	5.00000	4.24	
99 Atrazine	200	7.809	7.809	(0.971)	2637	5.00000	4.42	
101 Pentachloronitrobenzene	237	7.900	7.900	(1.170)	16411	5.00000	4.71	
* 102 Phenanthrene-d10	188	8.044	8.044	(1.000)	1134892	40.0000		
111 Diphenamid	167	8.836	8.836	(1.098)	70341	5.00000	5.04	
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1767471	40.0000		
140 Benzo(e)pyrene	252	12.997	12.997	(0.985)	245787	5.00000	5.19	
* 143 Perylene-d12	264	13.190	13.190	(1.000)	2073726	40.0000		
144 Perylene	252	13.233	13.233	(1.003)	237933	5.00000	5.10	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l2.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 15:21

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	227444	-19.83
39 Naphthalene-d8	1087160	543580	2174320	874139	-19.59
74 Acenaphthene-d10	705299	352650	1410598	600584	-14.85
102 Phenanthrene-d10	1342395	671198	2684790	1134892	-15.46
129 Chrysene-d12	1951586	975793	3903172	1767471	-9.43
143 Perylene-d12	2451344	1225672	4902688	2073726	-15.40

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	0.00
102 Phenanthrene-d10	8.04	7.54	8.54	8.04	0.00
129 Chrysene-d12	10.86	10.36	11.36	10.86	0.00
143 Perylene-d12	13.20	12.70	13.70	13.19	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 17:24

Client ID:

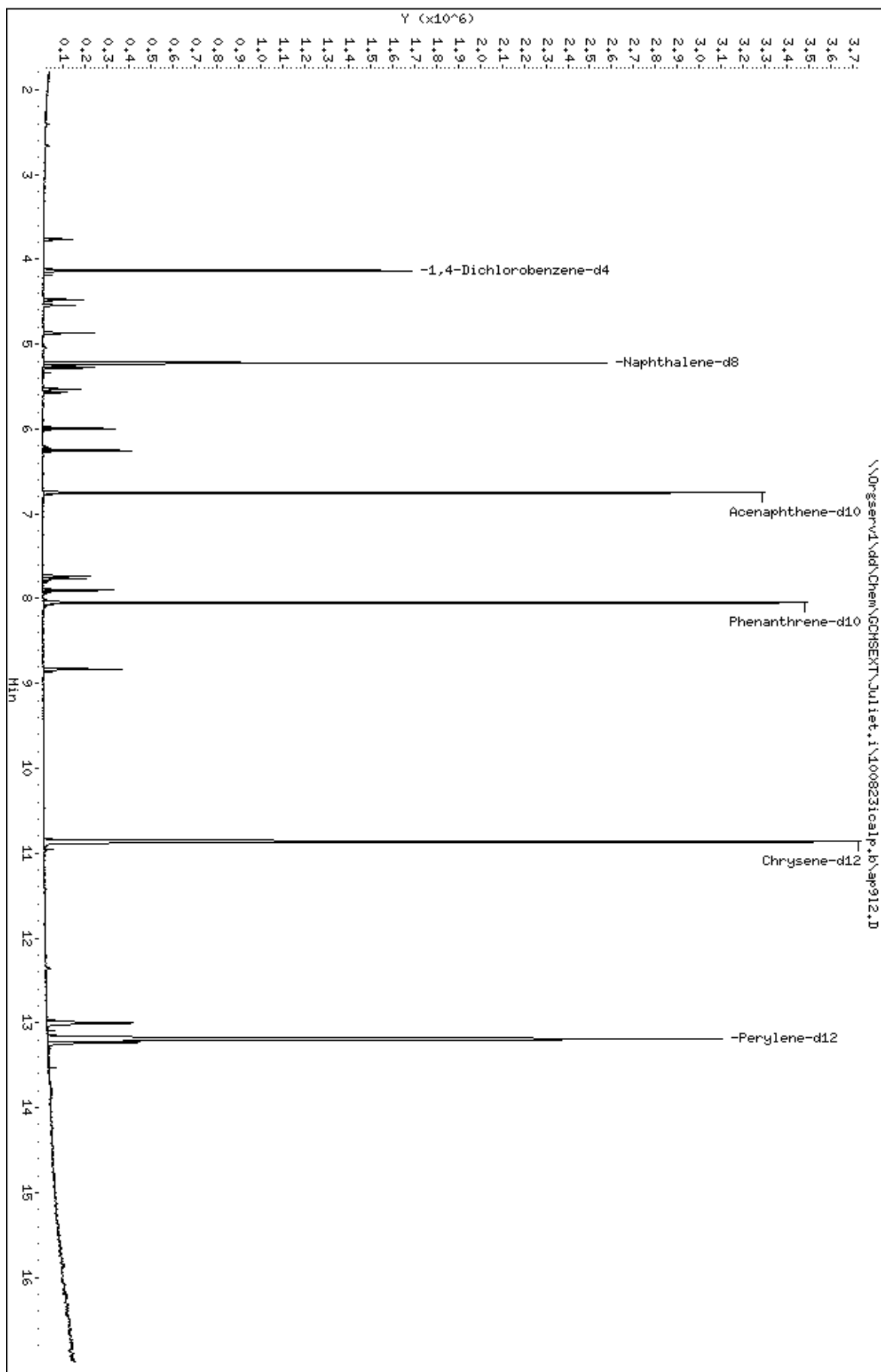
Sample Info: ap9 E1ot#3557

Instrument: Juliet.i

Column phase: RTX-5

Operator: h1

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l2.D
Lab Smp Id:
Inj Date : 23-AUG-2010 17:24
Operator : hl Inst ID: Juliet.i
Smp Info : ap9 5lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:15 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 17:00 Cal File: ap9l1.D
Als bottle: 10 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ap9short.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
5 Benzaldehyde	105	3.765	3.765	(0.911)	23585	5.00000	5.65(M)	M1
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	227444	40.0000		
23 Acetophenone	105	4.477	4.477	(1.083)	47872	5.00000	5.22	
25 m-Toluidine	106	4.546	4.546	(1.100)	28088	5.00000	5.43	
31 2-Chloroaniline	127	4.867	4.867	(1.177)	52315	5.00000	5.52	
* 39 Naphthalene-d8	136	5.226	5.226	(1.000)	874139	40.0000		
42 a-Terpineol	59	5.258	5.258	(1.006)	13983	5.00000	4.69	
41 3-Chloroaniline	65	5.279	5.279	(1.010)	12548	5.00000	6.07(M)	M1
46 1-chloro-2-nitrobenzene	111	5.530	5.530	(1.338)	14778	5.00000	4.75	
47 Caprolactam	55	5.568	5.568	(1.065)	12274	5.00000	5.02	
54 1,2,4,5-Tetrachlorobenzene	216	5.996	5.996	(0.888)	49186	5.00000	5.20	
59 Biphenyl	154	6.253	6.253	(0.926)	105556	5.00000	5.38(M)	M1
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	600584	40.0000		
96 Dimethoate	87	7.734	7.734	(1.146)	28981	5.00000	4.81	
98 Dichloran	206	7.766	7.766	(1.151)	12690	5.00000	4.24	
99 Atrazine	200	7.809	7.809	(0.971)	2637	5.00000	4.42	
101 Pentachloronitrobenzene	237	7.900	7.900	(1.170)	16411	5.00000	4.71	
* 102 Phenanthrene-d10	188	8.044	8.044	(1.000)	1134892	40.0000		
111 Diphenamid	167	8.836	8.836	(1.098)	70341	5.00000	5.04	
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1767471	40.0000		
140 Benzo(e)pyrene	252	12.997	12.997	(0.985)	245787	5.00000	5.19	
* 143 Perylene-d12	264	13.190	13.190	(1.000)	2073726	40.0000		
144 Perylene	252	13.233	13.233	(1.003)	237933	5.00000	5.10	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l2.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 15:21

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	227444	-19.83
39 Naphthalene-d8	1087160	543580	2174320	874139	-19.59
74 Acenaphthene-d10	705299	352650	1410598	600584	-14.85
102 Phenanthrene-d10	1342395	671198	2684790	1134892	-15.46
129 Chrysene-d12	1951586	975793	3903172	1767471	-9.43
143 Perylene-d12	2451344	1225672	4902688	2073726	-15.40

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	0.00
102 Phenanthrene-d10	8.04	7.54	8.54	8.04	0.00
129 Chrysene-d12	10.86	10.36	11.36	10.86	0.00
143 Perylene-d12	13.20	12.70	13.70	13.19	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 17:24

Client ID:

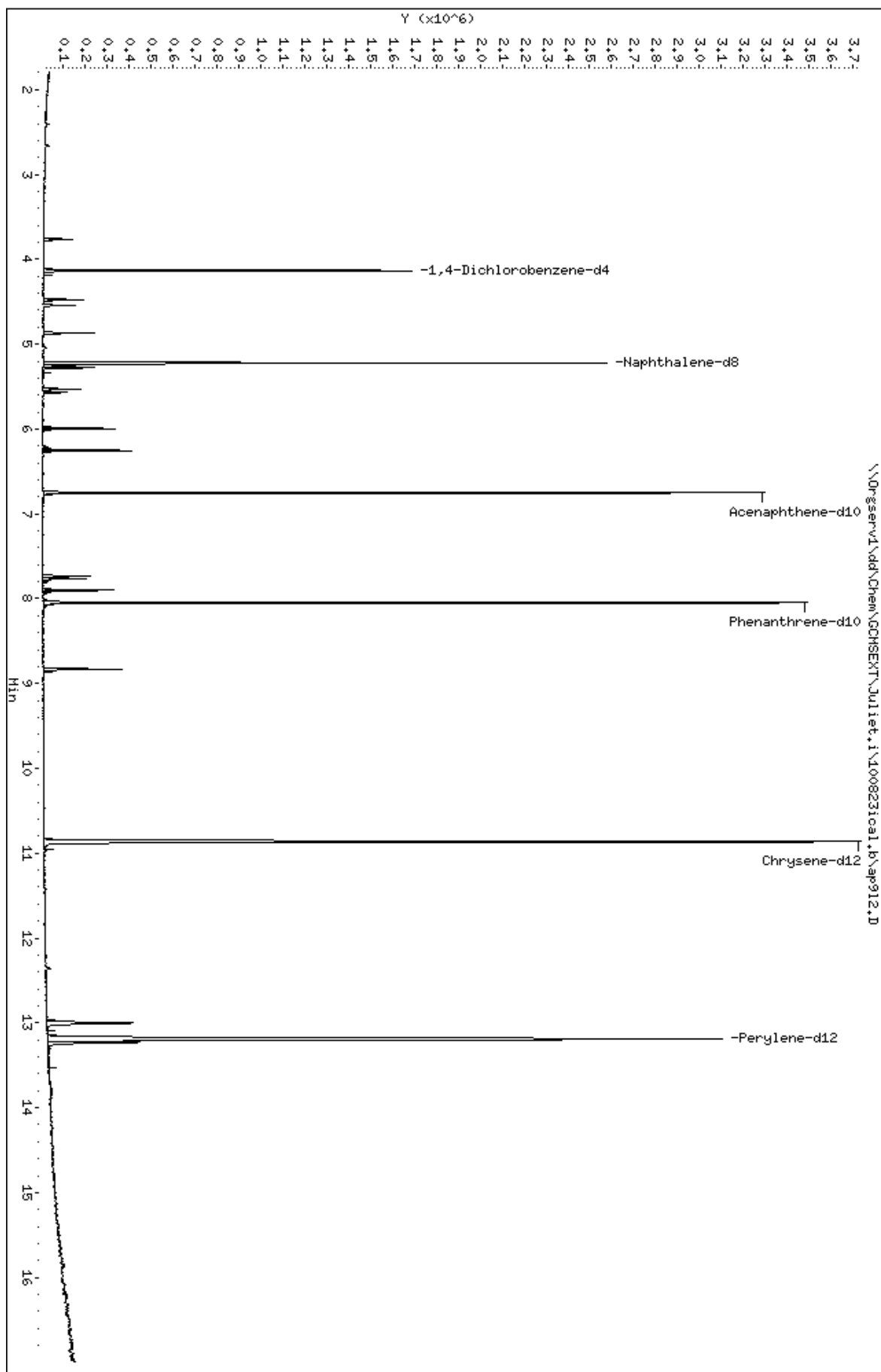
Sample Info: ap9 E1ot#3557

Instrument: Juliet.i

Column phase: RTX-5

Operator: h1

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\ap9l3.D
Lab Smp Id:
Inj Date : 23-AUG-2010 17:49
Operator : hl
Smp Info : ap9 10 lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:18 aal
Cal Date : 23-AUG-2010 17:49
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: ABN-6

Inst ID: Juliet.i
Quant Type: ISTD
Cal File: ap9l3.D
Calibration Sample, Level: 3
Compound Sublist: ap9short.sub

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT		ON -COL
							(ng)		(ng)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
5 Benzaldehyde	105	3.765	3.765	(0.911)	49274	10.0000	10.4		
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	257230	40.0000			
23 Acetophenone	105	4.477	4.477	(1.083)	102466	10.0000	9.88		
25 m-Toluidine	106	4.546	4.546	(1.100)	60586	10.0000	10.4		
31 2-Chloroaniline	127	4.867	4.867	(1.177)	108791	10.0000	10.1		
* 39 Naphthalene-d8	136	5.225	5.225	(1.000)	971347	40.0000			
42 a-Terpineol	59	5.258	5.258	(1.006)	34037	10.0000	10.3		
41 3-Chloroaniline	65	5.279	5.279	(1.010)	25346	10.0000	11.1		
46 1-chloro-2-nitrobenzene	111	5.530	5.530	(1.338)	35608	10.0000	10.1		
47 Caprolactam	55	5.568	5.568	(1.066)	27463	10.0000	10.1		
54 1,2,4,5-Tetrachlorobenzene	216	5.996	5.996	(0.888)	106166	10.0000	10.8		
59 Biphenyl	154	6.252	6.252	(0.926)	232786	10.0000	11.4		
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	623156	40.0000			
96 Dimethoate	87	7.734	7.734	(1.146)	65868	10.0000	10.5		
98 Dichloran	206	7.766	7.766	(1.151)	30244	10.0000	9.74		
99 Atrazine	200	7.803	7.803	(0.970)	5468	10.0000	8.60		
101 Pentachloronitrobenzene	237	7.900	7.900	(1.170)	36119	10.0000	9.99		
* 102 Phenanthrene-d10	188	8.044	8.044	(1.000)	1208211	40.0000			
111 Diphenamid	167	8.836	8.836	(1.098)	146683	10.0000	9.88		
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1741442	40.0000			
140 Benzo(e)pyrene	252	12.997	12.997	(0.985)	502645	10.0000	10.5		
* 143 Perylene-d12	264	13.190	13.190	(1.000)	2095232	40.0000			
144 Perylene	252	13.227	13.227	(1.003)	493955	10.0000	10.5		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l3.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 15:21

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	257230	-9.33
39 Naphthalene-d8	1087160	543580	2174320	971347	-10.65
74 Acenaphthene-d10	705299	352650	1410598	623156	-11.65
102 Phenanthrene-d10	1342395	671198	2684790	1208211	-10.00
129 Chrysene-d12	1951586	975793	3903172	1741442	-10.77
143 Perylene-d12	2451344	1225672	4902688	2095232	-14.53

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	-0.00
102 Phenanthrene-d10	8.04	7.54	8.54	8.04	-0.00
129 Chrysene-d12	10.86	10.36	11.36	10.86	-0.00
143 Perylene-d12	13.20	12.70	13.70	13.19	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 17:49

Client ID:

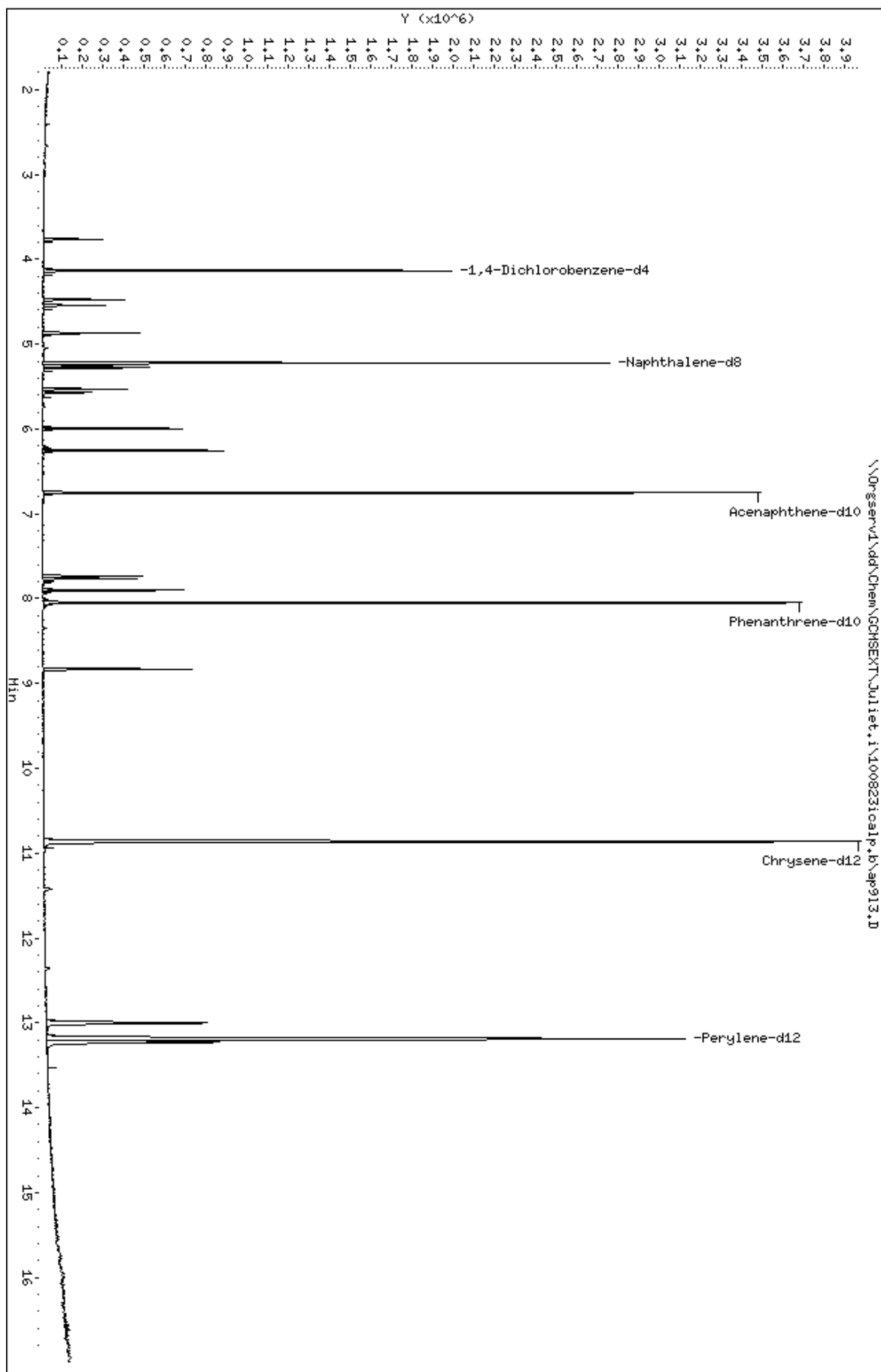
Sample Info: ap9 10 lot#3557

Instrument: Juliet.i

Column phase: RTX-5

Operator: hl

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l3.D
Lab Smp Id:
Inj Date : 23-AUG-2010 17:49
Operator : hl
Smp Info : ap9 10 lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:15 Juliet.i
Cal Date : 23-AUG-2010 17:24
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: ABN-6

Inst ID: Juliet.i
Quant Type: ISTD
Cal File: ap9l2.D
Calibration Sample, Level: 3
Compound Sublist: ap9short.sub

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
5 Benzaldehyde	105	3.765	3.765	(0.911)	49601	10.0000	10.4(M)	M1
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	257230	40.0000		
23 Acetophenone	105	4.477	4.477	(1.083)	102466	10.0000	9.88	
25 m-Toluidine	106	4.546	4.546	(1.100)	60586	10.0000	10.4	
31 2-Chloroaniline	127	4.867	4.867	(1.177)	108791	10.0000	10.1	
* 39 Naphthalene-d8	136	5.225	5.225	(1.000)	971347	40.0000		
42 a-Terpineol	59	5.258	5.258	(1.006)	34037	10.0000	10.3	
41 3-Chloroaniline	65	5.279	5.279	(1.010)	25346	10.0000	11.0	
46 1-chloro-2-nitrobenzene	111	5.530	5.530	(1.338)	35608	10.0000	10.1	
47 Caprolactam	55	5.568	5.568	(1.066)	27463	10.0000	10.1	
54 1,2,4,5-Tetrachlorobenzene	216	5.996	5.996	(0.888)	106166	10.0000	10.8	
59 Biphenyl	154	6.252	6.252	(0.926)	234160	10.0000	11.5(M)	M1
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	623156	40.0000		
96 Dimethoate	87	7.734	7.734	(1.146)	65868	10.0000	10.5	
98 Dichloran	206	7.766	7.766	(1.151)	30244	10.0000	9.74	
99 Atrazine	200	7.803	7.803	(0.970)	5468	10.0000	8.60	
101 Pentachloronitrobenzene	237	7.900	7.900	(1.170)	36119	10.0000	9.99	
* 102 Phenanthrene-d10	188	8.044	8.044	(1.000)	1208211	40.0000		
111 Diphenamid	167	8.836	8.836	(1.098)	146683	10.0000	9.88	
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1741442	40.0000		
140 Benzo(e)pyrene	252	12.997	12.997	(0.985)	502645	10.0000	10.5	
* 143 Perylene-d12	264	13.190	13.190	(1.000)	2095232	40.0000		
144 Perylene	252	13.227	13.227	(1.003)	493955	10.0000	10.5	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l3.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 15:21

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	257230	-9.33
39 Naphthalene-d8	1087160	543580	2174320	971347	-10.65
74 Acenaphthene-d10	705299	352650	1410598	623156	-11.65
102 Phenanthrene-d10	1342395	671198	2684790	1208211	-10.00
129 Chrysene-d12	1951586	975793	3903172	1741442	-10.77
143 Perylene-d12	2451344	1225672	4902688	2095232	-14.53

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	-0.00
102 Phenanthrene-d10	8.04	7.54	8.54	8.04	-0.00
129 Chrysene-d12	10.86	10.36	11.36	10.86	-0.00
143 Perylene-d12	13.20	12.70	13.70	13.19	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 17:49

Client ID:

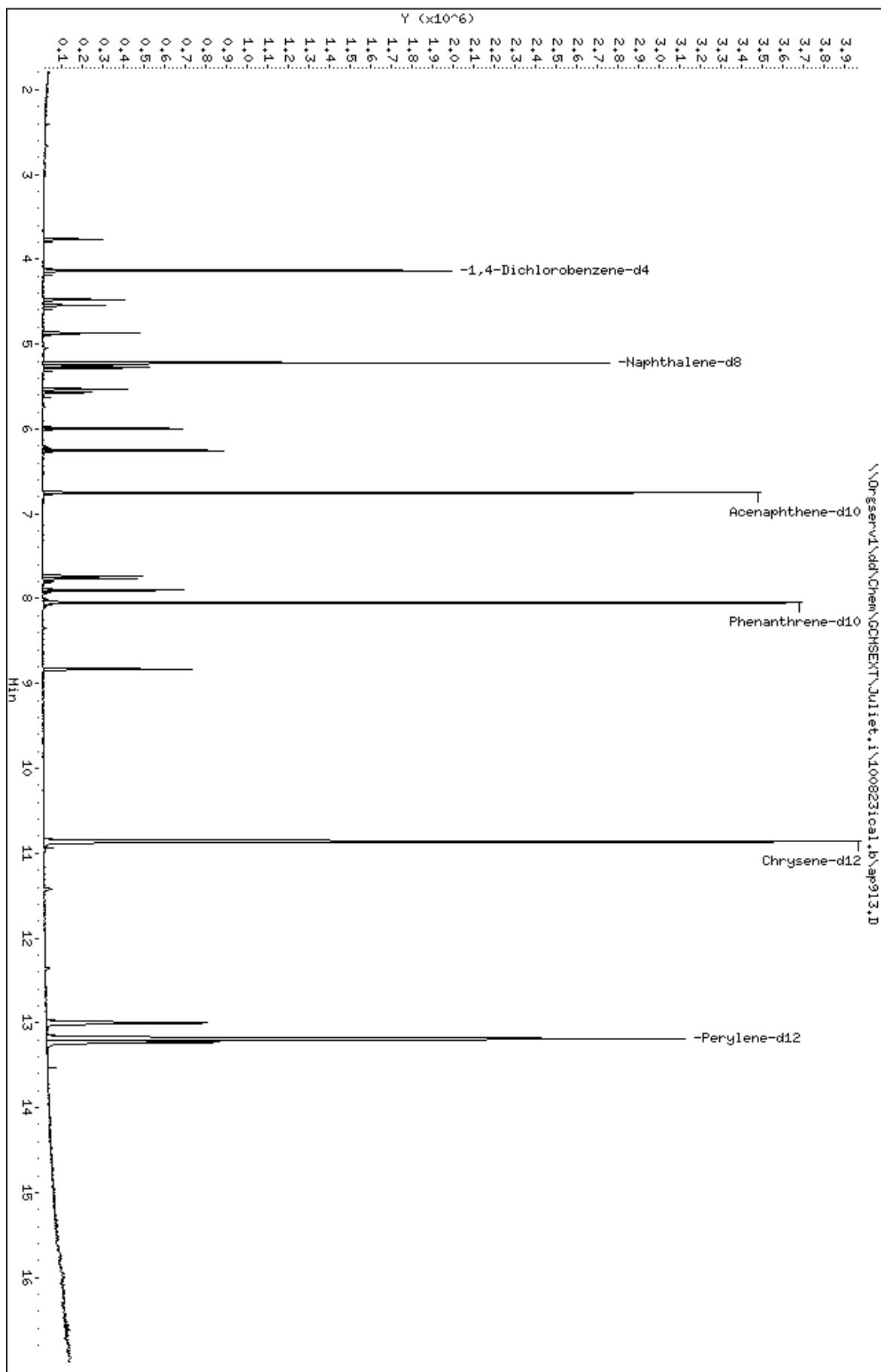
Sample Info: ap9 10 lot#3557

Instrument: Juliet.i

Column phase: RTX-5

Operator: hl

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\ap9l4.D
Lab Smp Id:
Inj Date : 23-AUG-2010 18:14
Operator : hl Inst ID: Juliet.i
Smp Info : ap9 20 lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:18 aal Quant Type: ISTD
Cal Date : 23-AUG-2010 18:14 Cal File: ap9l4.D
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ap9short.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT		ON -COL
							(ng)		(ng)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
5 Benzaldehyde	105	3.760	3.760	(0.909)	91350	20.0000	20.9		
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	238404	40.0000			
23 Acetophenone	105	4.471	4.471	(1.081)	194567	20.0000	20.2		
25 m-Toluidine	106	4.546	4.546	(1.100)	110928	20.0000	20.4		
31 2-Chloroaniline	127	4.867	4.867	(1.177)	199583	20.0000	20.1		
* 39 Naphthalene-d8	136	5.225	5.225	(1.000)	899613	40.0000			
42 a-Terpineol	59	5.257	5.257	(1.006)	63182	20.0000	20.6		
41 3-Chloroaniline	65	5.279	5.279	(1.010)	41973	20.0000	20.0		
46 1-chloro-2-nitrobenzene	111	5.530	5.530	(1.338)	64644	20.0000	19.8		
47 Caprolactam	55	5.573	5.573	(1.067)	46096	20.0000	18.3		
54 1,2,4,5-Tetrachlorobenzene	216	5.996	5.996	(0.888)	190145	20.0000	19.8		
59 Biphenyl	154	6.252	6.252	(0.926)	394478	20.0000	19.8		
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	608813	40.0000			
96 Dimethoate	87	7.739	7.739	(1.147)	121602	20.0000	19.9		
98 Dichloran	206	7.766	7.766	(1.151)	60417	20.0000	19.9		
99 Atrazine	200	7.803	7.803	(0.969)	12478	20.0000	21.0		
101 Pentachloronitrobenzene	237	7.900	7.900	(1.170)	75220	20.0000	21.3		
* 102 Phenanthrene-d10	188	8.049	8.049	(1.000)	1131174	40.0000			
111 Diphenamid	167	8.836	8.836	(1.098)	297882	20.0000	21.4		
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1692730	40.0000			
140 Benzo(e)pyrene	252	13.002	13.002	(0.986)	982201	20.0000	20.4		
* 143 Perylene-d12	264	13.190	13.190	(1.000)	2109097	40.0000			
144 Perylene	252	13.232	13.232	(1.003)	977887	20.0000	20.6		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l4.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 15:21

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	238404	-15.97
39 Naphthalene-d8	1087160	543580	2174320	899613	-17.25
74 Acenaphthene-d10	705299	352650	1410598	608813	-13.68
102 Phenanthrene-d10	1342395	671198	2684790	1131174	-15.73
129 Chrysene-d12	1951586	975793	3903172	1692730	-13.26
143 Perylene-d12	2451344	1225672	4902688	2109097	-13.96

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	-0.00
102 Phenanthrene-d10	8.04	7.54	8.54	8.05	0.07
129 Chrysene-d12	10.86	10.36	11.36	10.86	-0.00
143 Perylene-d12	13.20	12.70	13.70	13.19	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drivesrv1\dd\Chem\GCHEXT\Juliet.i\100823icalp.b\ap914.D

Date : 23-AUG-2010 18:14

Client ID:

Sample Info: ap9 20 lot#3557

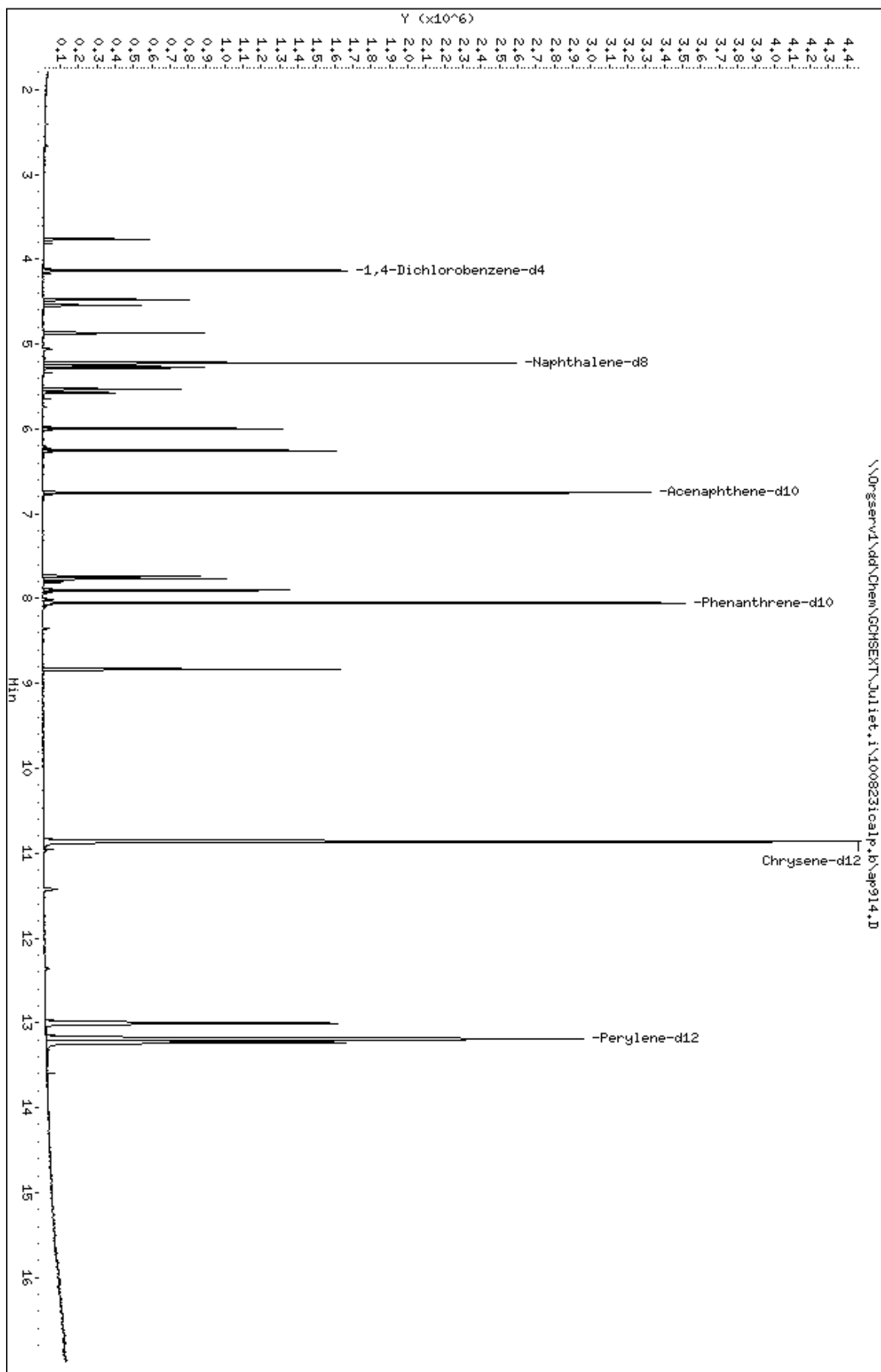
Column phase: RTX-5

Instrument: Juliet.i

Operator: hl

Column diameter: 0.32

Page 3



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l4.D
Lab Smp Id:
Inj Date : 23-AUG-2010 18:14
Operator : hl Inst ID: Juliet.i
Smp Info : ap9 20 lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:15 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 17:49 Cal File: ap9l3.D
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ap9short.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
5 Benzaldehyde	105	3.760	3.760	(0.909)	91350	20.0000	20.7	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	238404	40.0000		
23 Acetophenone	105	4.471	4.471	(1.081)	194567	20.0000	20.2	
25 m-Toluidine	106	4.546	4.546	(1.100)	110928	20.0000	20.4	
31 2-Chloroaniline	127	4.867	4.867	(1.177)	199583	20.0000	20.1	
* 39 Naphthalene-d8	136	5.225	5.225	(1.000)	899613	40.0000		
42 a-Terpineol	59	5.257	5.257	(1.006)	63182	20.0000	20.6	
41 3-Chloroaniline	65	5.279	5.279	(1.010)	44954	20.0000	21.1(M)	M1
46 1-chloro-2-nitrobenzene	111	5.530	5.530	(1.338)	64644	20.0000	19.8	
47 Caprolactam	55	5.573	5.573	(1.067)	46096	20.0000	18.3	
54 1,2,4,5-Tetrachlorobenzene	216	5.996	5.996	(0.888)	190145	20.0000	19.8	
59 Biphenyl	154	6.252	6.252	(0.926)	395876	20.0000	19.9(M)	M1
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	608813	40.0000		
96 Dimethoate	87	7.739	7.739	(1.147)	121602	20.0000	19.9	
98 Dichloran	206	7.766	7.766	(1.151)	60417	20.0000	19.9	
99 Atrazine	200	7.803	7.803	(0.969)	12478	20.0000	21.0	
101 Pentachloronitrobenzene	237	7.900	7.900	(1.170)	75220	20.0000	21.3	
* 102 Phenanthrene-d10	188	8.049	8.049	(1.000)	1131174	40.0000		
111 Diphenamid	167	8.836	8.836	(1.098)	297882	20.0000	21.4	
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1692730	40.0000		
140 Benzo(e)pyrene	252	13.002	13.002	(0.986)	982201	20.0000	20.4	
* 143 Perylene-d12	264	13.190	13.190	(1.000)	2109097	40.0000		
144 Perylene	252	13.232	13.232	(1.003)	977887	20.0000	20.6	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l4.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 15:21

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	283704	141852	567408	238404	-15.97
39 Naphthalene-d8	1087160	543580	2174320	899613	-17.25
74 Acenaphthene-d10	705299	352650	1410598	608813	-13.68
102 Phenanthrene-d10	1342395	671198	2684790	1131174	-15.73
129 Chrysene-d12	1951586	975793	3903172	1692730	-13.26
143 Perylene-d12	2451344	1225672	4902688	2109097	-13.96

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	-0.00
102 Phenanthrene-d10	8.04	7.54	8.54	8.05	0.07
129 Chrysene-d12	10.86	10.36	11.36	10.86	-0.00
143 Perylene-d12	13.20	12.70	13.70	13.19	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 18:14

Client ID:

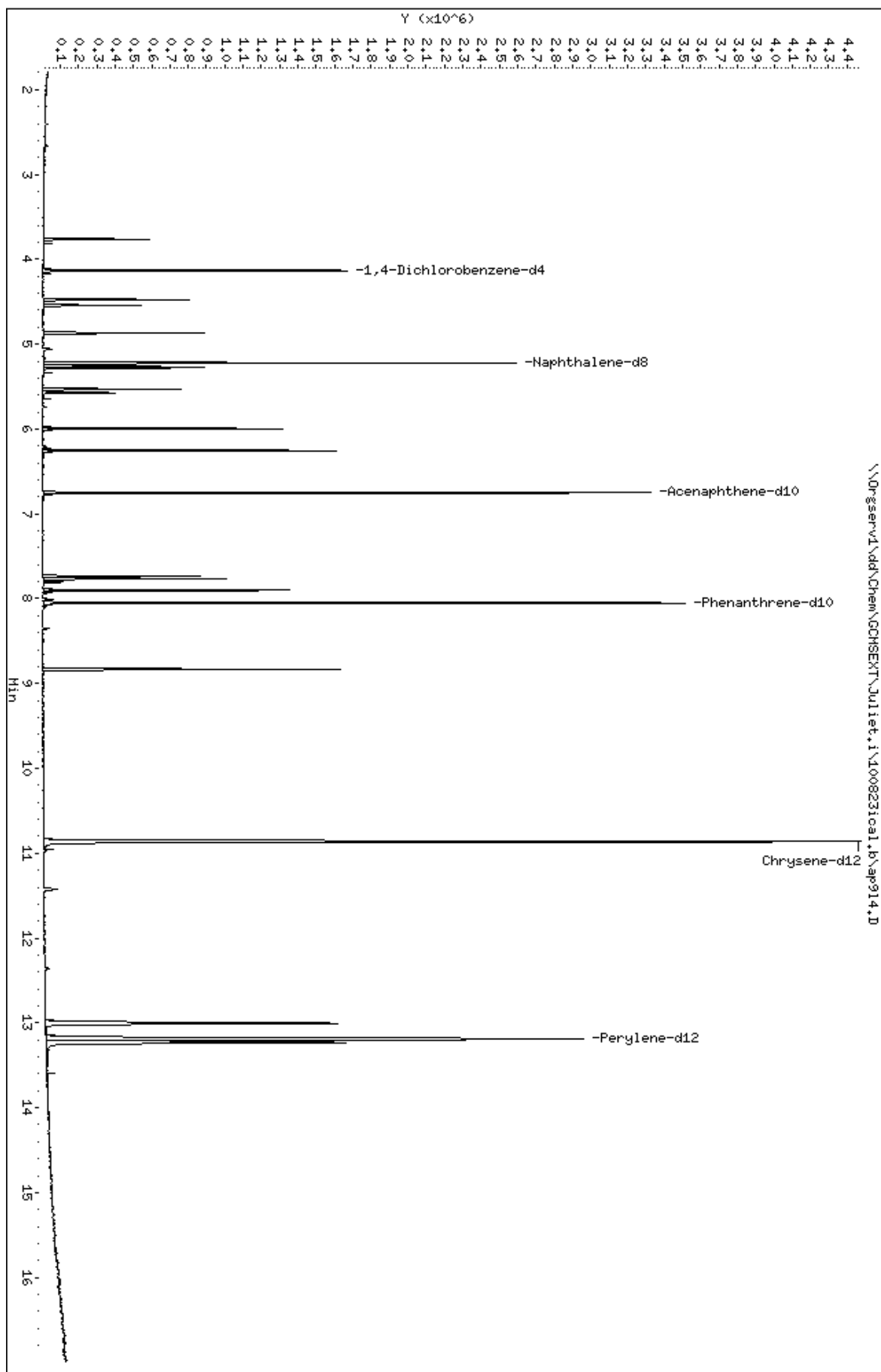
Instrument: Juliet.i

Sample Info: ap9 20 lot#3557

Operator: hl

Column phase: RTX-5

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\ap9l5.D
Lab Smp Id:
Inj Date : 23-AUG-2010 18:39
Operator : hl
Smp Info : ap9 50 lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:18 aal
Cal Date : 23-AUG-2010 18:39
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: ABN-6

Inst ID: Juliet.i
Quant Type: ISTD
Cal File: ap9l5.D
Calibration Sample, Level: 5
Compound Sublist: ap9short.sub

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT		ON -COL
							(ng)		(ng)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
5 Benzaldehyde	105	3.760	3.760	(0.909)	262704	50.0000	56.5		
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	253053	40.0000			
23 Acetophenone	105	4.477	4.477	(1.083)	541465	50.0000	53.1		
25 m-Toluidine	106	4.546	4.546	(1.100)	299883	50.0000	52.1		
31 2-Chloroaniline	127	4.867	4.867	(1.177)	520041	50.0000	49.3		
* 39 Naphthalene-d8	136	5.226	5.226	(1.000)	1005602	40.0000			
42 a-Terpineol	59	5.258	5.258	(1.006)	162971	50.0000	47.5		
41 3-Chloroaniline	65	5.279	5.279	(1.010)	118596	50.0000	50.7		
46 1-chloro-2-nitrobenzene	111	5.530	5.530	(1.338)	186512	50.0000	53.9		
47 Caprolactam	55	5.584	5.584	(1.069)	144834	50.0000	51.5		
54 1,2,4,5-Tetrachlorobenzene	216	5.996	5.996	(0.888)	527053	50.0000	52.3		
59 Biphenyl	154	6.252	6.252	(0.926)	1082858	50.0000	51.8		
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	639767	40.0000			
96 Dimethoate	87	7.739	7.739	(1.147)	370604	50.0000	57.8		
98 Dichloran	206	7.766	7.766	(1.151)	182605	50.0000	57.3		
99 Atrazine	200	7.809	7.809	(0.970)	35608	50.0000	53.3		
101 Pentachloronitrobenzene	237	7.900	7.900	(1.170)	217312	50.0000	58.5		
* 102 Phenanthrene-d10	188	8.050	8.050	(1.000)	1268492	40.0000			
111 Diphenamid	167	8.836	8.836	(1.098)	821464	50.0000	52.7		
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1894731	40.0000			
140 Benzo(e)pyrene	252	13.013	13.013	(0.986)	2744070	50.0000	51.4		
* 143 Perylene-d12	264	13.195	13.195	(1.000)	2338651	40.0000			
144 Perylene	252	13.243	13.243	(1.004)	2726038	50.0000	51.8		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l5.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 18:39

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

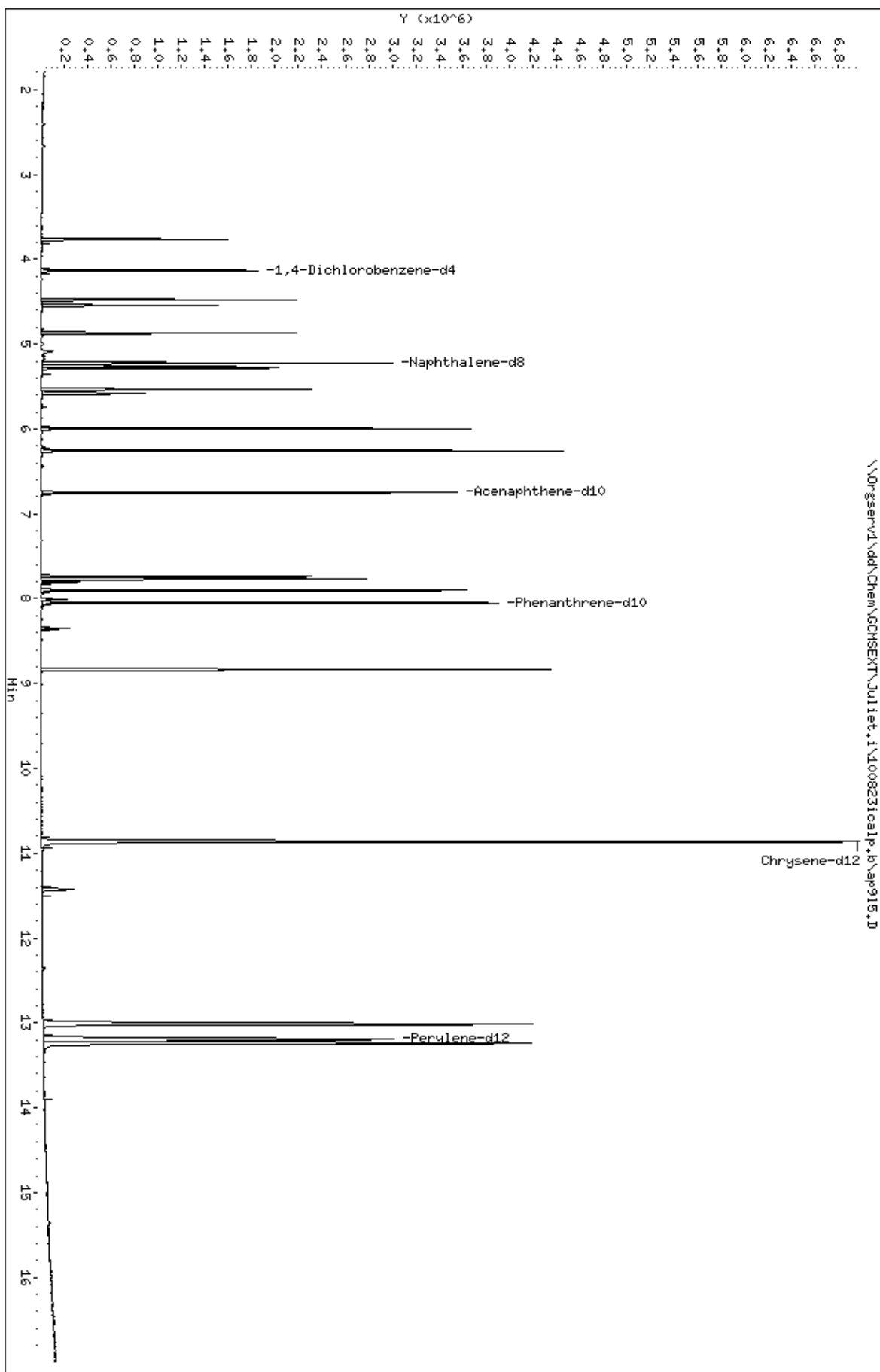
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	239797	119899	479594	253053	5.53
39 Naphthalene-d8	881805	440903	1763610	1005602	14.04
74 Acenaphthene-d10	593064	296532	1186128	639767	7.87
102 Phenanthrene-d10	1112532	556266	2225064	1268492	14.02
129 Chrysene-d12	1677538	838769	3355076	1894731	12.95
143 Perylene-d12	2192873	1096437	4385746	2338651	6.65

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.10
74 Acenaphthene-d10	6.76	6.26	7.26	6.75	-0.08
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	0.00
129 Chrysene-d12	10.88	10.38	11.38	10.86	-0.15
143 Perylene-d12	13.20	12.70	13.70	13.20	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drivesrv1\dd\Chem\GCHEXT\Juliet.i\1008231calp.b\ap915.D
 Date : 23-AUG-2010 18:39
 Client ID:
 Sample Info: ap9 50 lot#3557
 Column phase: RTX-5

Instrument: Juliet.i
 Operator: hl
 Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l5.D
Lab Smp Id:
Inj Date : 23-AUG-2010 18:39
Operator : hl Inst ID: Juliet.i
Smp Info : ap9 50 lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:15 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 18:14 Cal File: ap9l4.D
Als bottle: 13 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ap9short.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
5 Benzaldehyde	105	3.760	3.760	(0.909)	262704	50.0000	56.2	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	253053	40.0000		
23 Acetophenone	105	4.477	4.477	(1.083)	541465	50.0000	53.1	
25 m-Toluidine	106	4.546	4.546	(1.100)	299883	50.0000	52.1	
31 2-Chloroaniline	127	4.867	4.867	(1.177)	520041	50.0000	49.3	
* 39 Naphthalene-d8	136	5.226	5.226	(1.000)	1005602	40.0000		
42 a-Terpineol	59	5.258	5.258	(1.006)	162971	50.0000	47.5	
41 3-Chloroaniline	65	5.279	5.279	(1.010)	118596	50.0000	49.8	
46 1-chloro-2-nitrobenzene	111	5.530	5.530	(1.338)	186512	50.0000	53.9	
47 Caprolactam	55	5.584	5.584	(1.069)	144834	50.0000	51.5	
54 1,2,4,5-Tetrachlorobenzene	216	5.996	5.996	(0.888)	527053	50.0000	52.3	
59 Biphenyl	154	6.252	6.252	(0.926)	1087841	50.0000	52.0(M)	M1
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	639767	40.0000		
96 Dimethoate	87	7.739	7.739	(1.147)	370604	50.0000	57.8(H)	M2
98 Dichloran	206	7.766	7.766	(1.151)	182605	50.0000	57.3	
99 Atrazine	200	7.809	7.809	(0.970)	35608	50.0000	53.3	
101 Pentachloronitrobenzene	237	7.900	7.900	(1.170)	217312	50.0000	58.5	
* 102 Phenanthrene-d10	188	8.050	8.050	(1.000)	1268492	40.0000		
111 Diphenamid	167	8.836	8.836	(1.098)	821464	50.0000	52.7	
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1894731	40.0000		
140 Benzo(e)pyrene	252	13.013	13.013	(0.986)	2744070	50.0000	51.4	
* 143 Perylene-d12	264	13.195	13.195	(1.000)	2338651	40.0000		
144 Perylene	252	13.243	13.243	(1.004)	2726038	50.0000	51.8	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l5.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 18:39

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

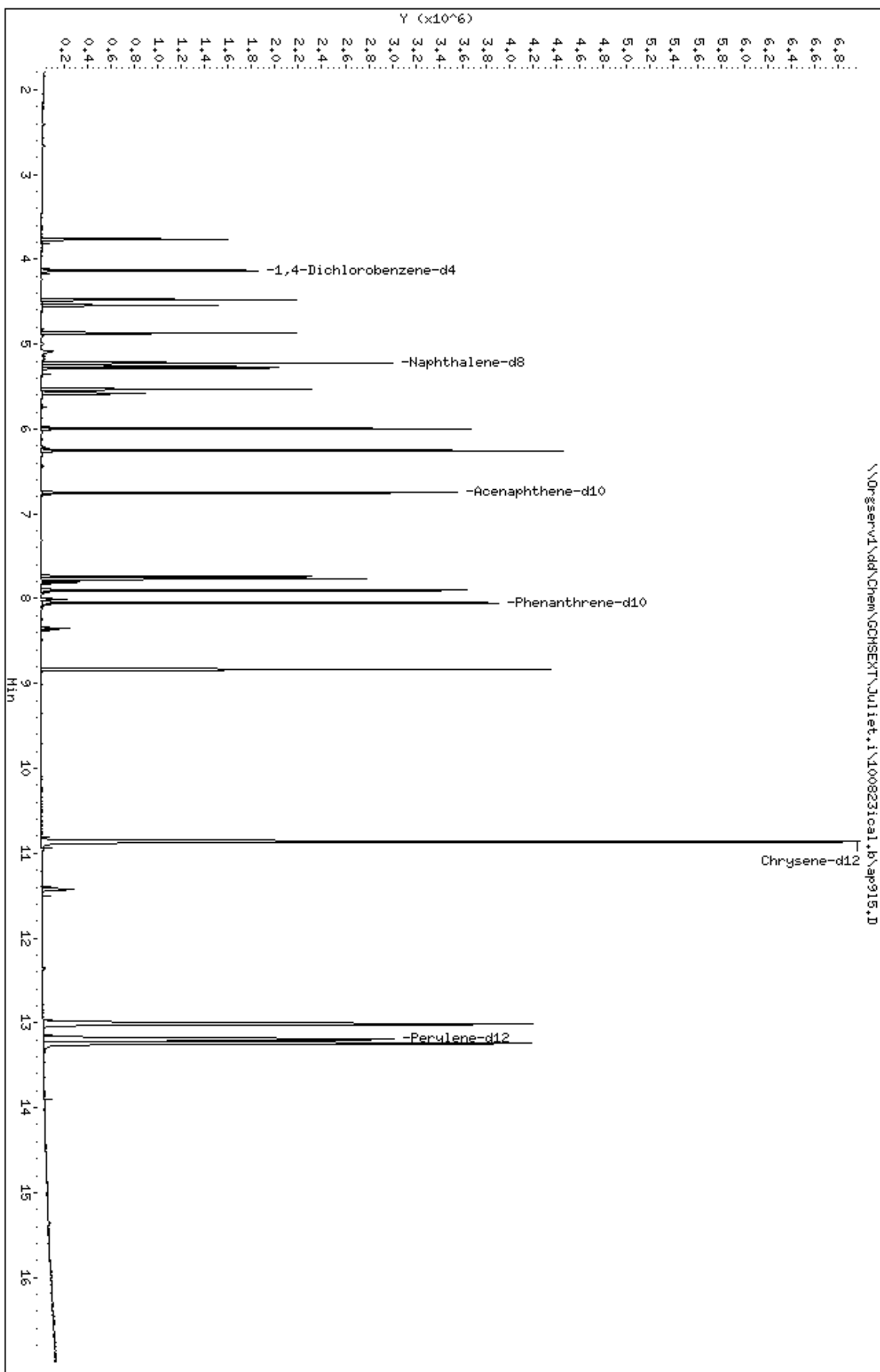
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	239797	119899	479594	253053	5.53
39 Naphthalene-d8	881805	440903	1763610	1005602	14.04
74 Acenaphthene-d10	593064	296532	1186128	639767	7.87
102 Phenanthrene-d10	1112532	556266	2225064	1268492	14.02
129 Chrysene-d12	1677538	838769	3355076	1894731	12.95
143 Perylene-d12	2192873	1096437	4385746	2338651	6.65

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.10
74 Acenaphthene-d10	6.76	6.26	7.26	6.75	-0.08
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	0.00
129 Chrysene-d12	10.88	10.38	11.38	10.86	-0.15
143 Perylene-d12	13.20	12.70	13.70	13.20	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\dd\Chem\GCHEXT\Juliet.i\1008231cal.b\ap915.D
 Date : 23-AUG-2010 18:39
 Client ID:
 Sample Info: ap9 50 lot#3557
 Column phase: RTX-5

Instrument: Juliet.i
 Operator: hl
 Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\ap9l6.D
Lab Smp Id:
Inj Date : 23-AUG-2010 19:03
Operator : hl
Smp Info : ap9 100 lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:18 aal
Cal Date : 23-AUG-2010 19:03
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: ABN-6

Inst ID: Juliet.i
Quant Type: ISTD
Cal File: ap9l6.D
Calibration Sample, Level: 6
Compound Sublist: ap9short.sub

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
5 Benzaldehyde	105	3.765	3.765	(0.911)	446887	100.000	93.5	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	260303	40.0000		
23 Acetophenone	105	4.477	4.477	(1.083)	928920	100.000	88.6	
25 m-Toluidine	106	4.546	4.546	(1.100)	544470	100.000	92.0	
31 2-Chloroaniline	127	4.873	4.873	(1.179)	1004409	100.000	92.6	
* 39 Naphthalene-d8	136	5.226	5.226	(1.000)	910166	40.0000		
42 a-Terpineol	59	5.258	5.258	(1.006)	314592	100.000	101	
41 3-Chloroaniline	65	5.284	5.284	(1.011)	212864	100.000	101	
46 1-chloro-2-nitrobenzene	111	5.530	5.530	(1.338)	339887	100.000	95.4	
47 Caprolactam	55	5.595	5.595	(1.071)	260332	100.000	102	
54 1,2,4,5-Tetrachlorobenzene	216	5.996	5.996	(0.888)	994994	100.000	99.3	
59 Biphenyl	154	6.252	6.252	(0.926)	1972794	100.000	95.0	
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	636073	40.0000		
96 Dimethoate	87	7.745	7.745	(1.147)	665918	100.000	104	
98 Dichloran	206	7.771	7.771	(1.151)	352936	100.000	111	
99 Atrazine	200	7.809	7.809	(0.970)	69971	100.000	116	
101 Pentachloronitrobenzene	237	7.905	7.905	(1.171)	382663	100.000	104	
* 102 Phenanthrene-d10	188	8.050	8.050	(1.000)	1150696	40.0000		
111 Diphenamid	167	8.841	8.841	(1.098)	1457362	100.000	103	
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1786347	40.0000		
140 Benzo(e)pyrene	252	13.024	13.024	(0.987)	4875696	100.000	99.9	
* 143 Perylene-d12	264	13.195	13.195	(1.000)	2138347	40.0000		
144 Perylene	252	13.254	13.254	(1.004)	4600783	100.000	95.6	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l6.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 18:39

Level:
Sample Type:

Test Mode:

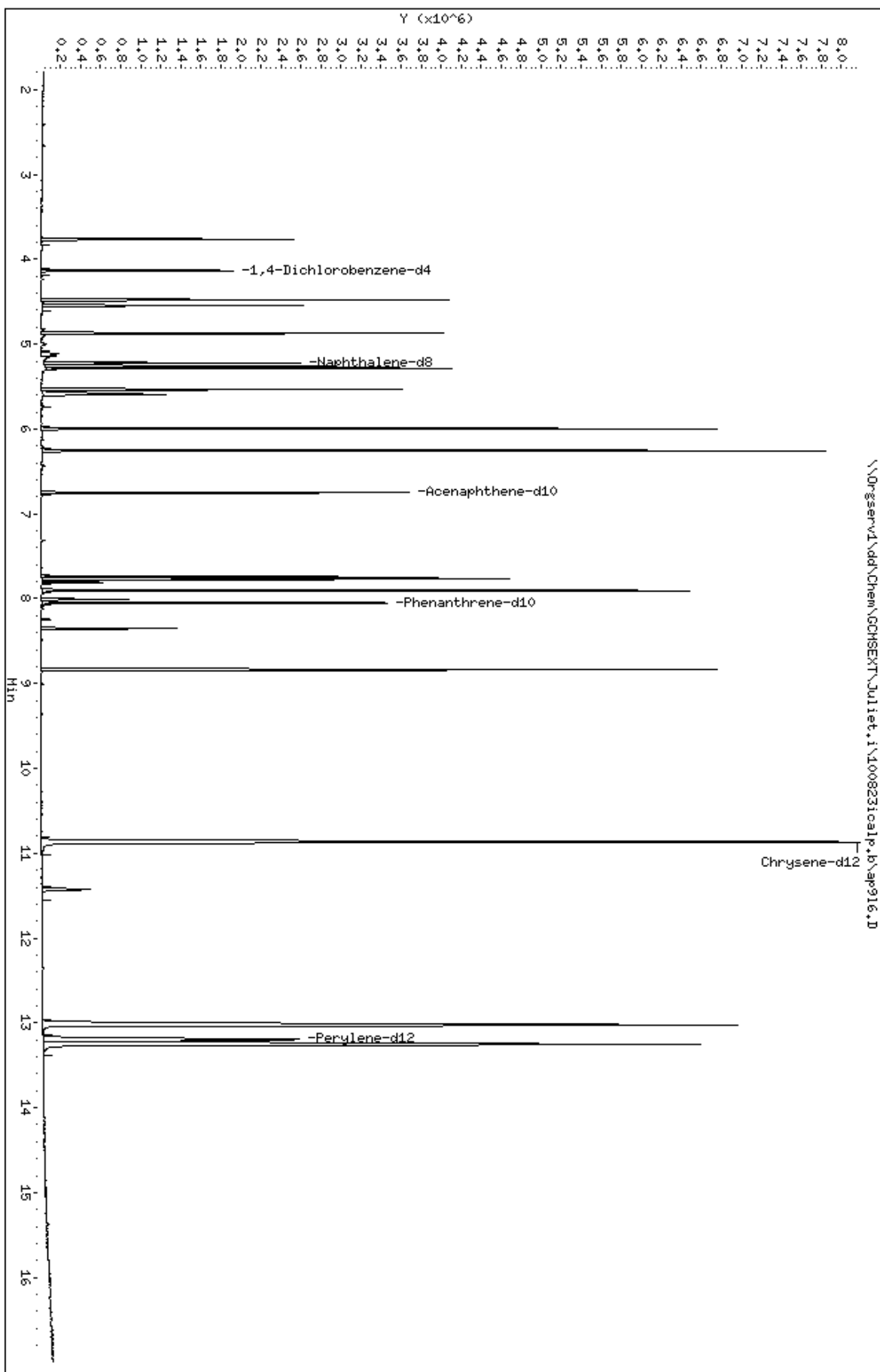
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	239797	119899	479594	260303	8.55
39 Naphthalene-d8	881805	440903	1763610	910166	3.22
74 Acenaphthene-d10	593064	296532	1186128	636073	7.25
102 Phenanthrene-d10	1112532	556266	2225064	1150696	3.43
129 Chrysene-d12	1677538	838769	3355076	1786347	6.49
143 Perylene-d12	2192873	1096437	4385746	2138347	-2.49

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.10
74 Acenaphthene-d10	6.76	6.26	7.26	6.75	-0.08
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	0.00
129 Chrysene-d12	10.88	10.38	11.38	10.86	-0.15
143 Perylene-d12	13.20	12.70	13.70	13.20	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\dd\Chem\GCHSEXT\Juliet.i\1008231calp.b\ap916.D
 Date : 23-AUG-2010 19:03
 Client ID:
 Sample Info: ap9 100 lot#3557
 Column phase: RTX-5
 Instrument: Juliet.i
 Operator: hl
 Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l6.D
Lab Smp Id:
Inj Date : 23-AUG-2010 19:03
Operator : hl
Smp Info : ap9 100 lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:15 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 18:39 Cal File: ap9l5.D
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ap9short.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
5 Benzaldehyde	105	3.765	3.765	(0.911)	446887	100.000	92.9	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	260303	40.0000		
23 Acetophenone	105	4.477	4.477	(1.083)	928920	100.000	88.6	
25 m-Toluidine	106	4.546	4.546	(1.100)	544470	100.000	92.0	
31 2-Chloroaniline	127	4.873	4.873	(1.179)	1004409	100.000	92.6	
* 39 Naphthalene-d8	136	5.226	5.226	(1.000)	910166	40.0000		
42 a-Terpineol	59	5.258	5.258	(1.006)	314592	100.000	101	
41 3-Chloroaniline	65	5.284	5.284	(1.011)	218491	100.000	101(M)	M1
46 1-chloro-2-nitrobenzene	111	5.530	5.530	(1.338)	339887	100.000	95.4	
47 Caprolactam	55	5.595	5.595	(1.071)	260332	100.000	102	
54 1,2,4,5-Tetrachlorobenzene	216	5.996	5.996	(0.888)	994994	100.000	99.3	
59 Biphenyl	154	6.252	6.252	(0.926)	1984440	100.000	95.3(M)	M1
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	636073	40.0000		
96 Dimethoate	87	7.745	7.745	(1.147)	665918	100.000	104	
98 Dichloran	206	7.771	7.771	(1.151)	352936	100.000	111	
99 Atrazine	200	7.809	7.809	(0.970)	69971	100.000	116	
101 Pentachloronitrobenzene	237	7.905	7.905	(1.171)	382663	100.000	104	
* 102 Phenanthrene-d10	188	8.050	8.050	(1.000)	1150696	40.0000		
111 Diphenamid	167	8.841	8.841	(1.098)	1457362	100.000	103	
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1786347	40.0000		
140 Benzo(e)pyrene	252	13.024	13.024	(0.987)	4875696	100.000	99.9	
* 143 Perylene-d12	264	13.195	13.195	(1.000)	2138347	40.0000		
144 Perylene	252	13.254	13.254	(1.004)	4600783	100.000	95.6	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l6.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 18:39

Level:
Sample Type:

Test Mode:

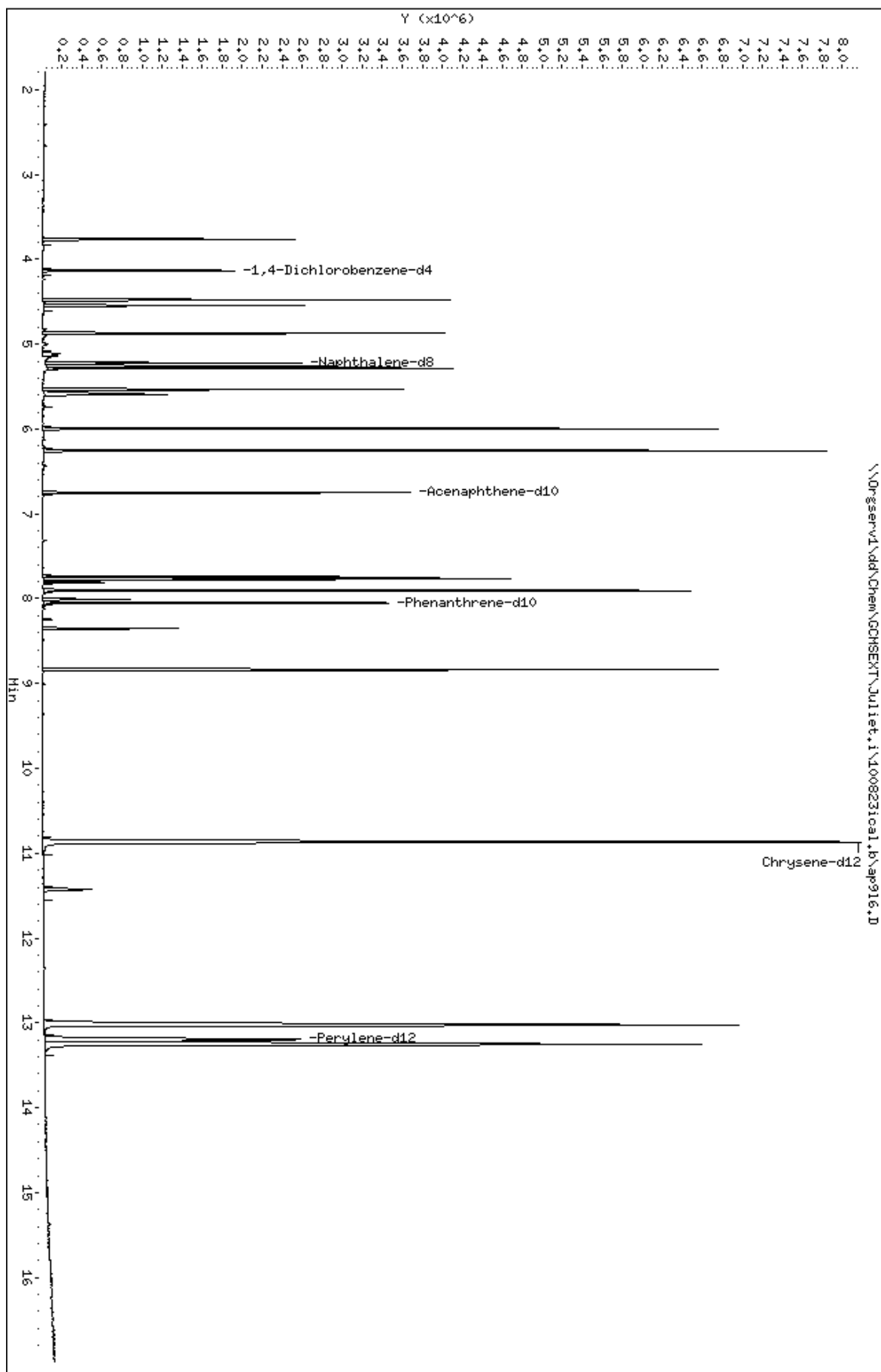
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	239797	119899	479594	260303	8.55
39 Naphthalene-d8	881805	440903	1763610	910166	3.22
74 Acenaphthene-d10	593064	296532	1186128	636073	7.25
102 Phenanthrene-d10	1112532	556266	2225064	1150696	3.43
129 Chrysene-d12	1677538	838769	3355076	1786347	6.49
143 Perylene-d12	2192873	1096437	4385746	2138347	-2.49

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.10
74 Acenaphthene-d10	6.76	6.26	7.26	6.75	-0.08
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	0.00
129 Chrysene-d12	10.88	10.38	11.38	10.86	-0.15
143 Perylene-d12	13.20	12.70	13.70	13.20	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drqserv1\dd\Chem\GCHEXT\Juliet.i\1008231cal.b\ap916.D
 Date : 23-AUG-2010 19:03
 Client ID:
 Sample Info: ap9 100 lot#3557
 Column phase: RTX-5
 Instrument: Juliet.i
 Operator: hl
 Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\ap9l7.D
Lab Smp Id:
Inj Date : 23-AUG-2010 19:28
Operator : hl
Smp Info : ap9 150 lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:19 aal
Cal Date : 23-AUG-2010 19:28
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: ABN-6

Inst ID: Juliet.i
Quant Type: ISTD
Cal File: ap9l7.D
Calibration Sample, Level: 7
Compound Sublist: ap9short.sub

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT		ON -COL
							(ng)		(ng)
=====	=====	=====	=====	=====	=====	=====	=====	=====	
5 Benzaldehyde	105	3.765	3.765	(0.911)	546716	150.000	112		
* 15 1,4-Dichlorobenzene-d4	152	4.135	4.135	(1.000)	265286	40.0000			
23 Acetophenone	105	4.477	4.477	(1.083)	1385632	150.000	130		
25 m-Toluidine	106	4.546	4.546	(1.100)	752736	150.000	125		
31 2-Chloroaniline	127	4.873	4.873	(1.179)	1479357	150.000	134		
* 39 Naphthalene-d8	136	5.226	5.226	(1.000)	981505	40.0000			
42 a-Terpineol	59	5.258	5.258	(1.006)	454036	150.000	136		
41 3-Chloroaniline	65	5.284	5.284	(1.011)	279997	150.000	124		
46 1-chloro-2-nitrobenzene	111	5.536	5.536	(1.339)	481357	150.000	133		
47 Caprolactam	55	5.605	5.605	(1.073)	390847	150.000	142		
54 1,2,4,5-Tetrachlorobenzene	216	6.001	6.001	(0.889)	1409741	150.000	131		
59 Biphenyl	154	6.258	6.258	(0.927)	2676724	150.000	120		
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	684042	40.0000			
96 Dimethoate	87	7.756	7.756	(1.149)	971803	150.000	142		
98 Dichloran	206	7.777	7.777	(1.152)	500931	150.000	147		
99 Atrazine	200	7.809	7.809	(0.970)	102264	150.000	155		
101 Pentachloronitrobenzene	237	7.905	7.905	(1.171)	541306	150.000	136		
* 102 Phenanthrene-d10	188	8.050	8.050	(1.000)	1253822	40.0000			
111 Diphenamid	167	8.841	8.841	(1.098)	2030797	150.000	132		
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1796029	40.0000			
140 Benzo(e)pyrene	252	13.035	13.035	(0.987)	7091992	150.000	135		
* 143 Perylene-d12	264	13.200	13.200	(1.000)	2293992	40.0000			
144 Perylene	252	13.265	13.265	(1.005)	6992811	150.000	135		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l7.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 18:39

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	239797	119899	479594	265286	10.63
39 Naphthalene-d8	881805	440903	1763610	981505	11.31
74 Acenaphthene-d10	593064	296532	1186128	684042	15.34
102 Phenanthrene-d10	1112532	556266	2225064	1253822	12.70
129 Chrysene-d12	1677538	838769	3355076	1796029	7.06
143 Perylene-d12	2192873	1096437	4385746	2293992	4.61

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.14	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.10
74 Acenaphthene-d10	6.76	6.26	7.26	6.75	-0.08
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	0.00
129 Chrysene-d12	10.88	10.38	11.38	10.86	-0.15
143 Perylene-d12	13.20	12.70	13.70	13.20	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 19:28

Client ID:

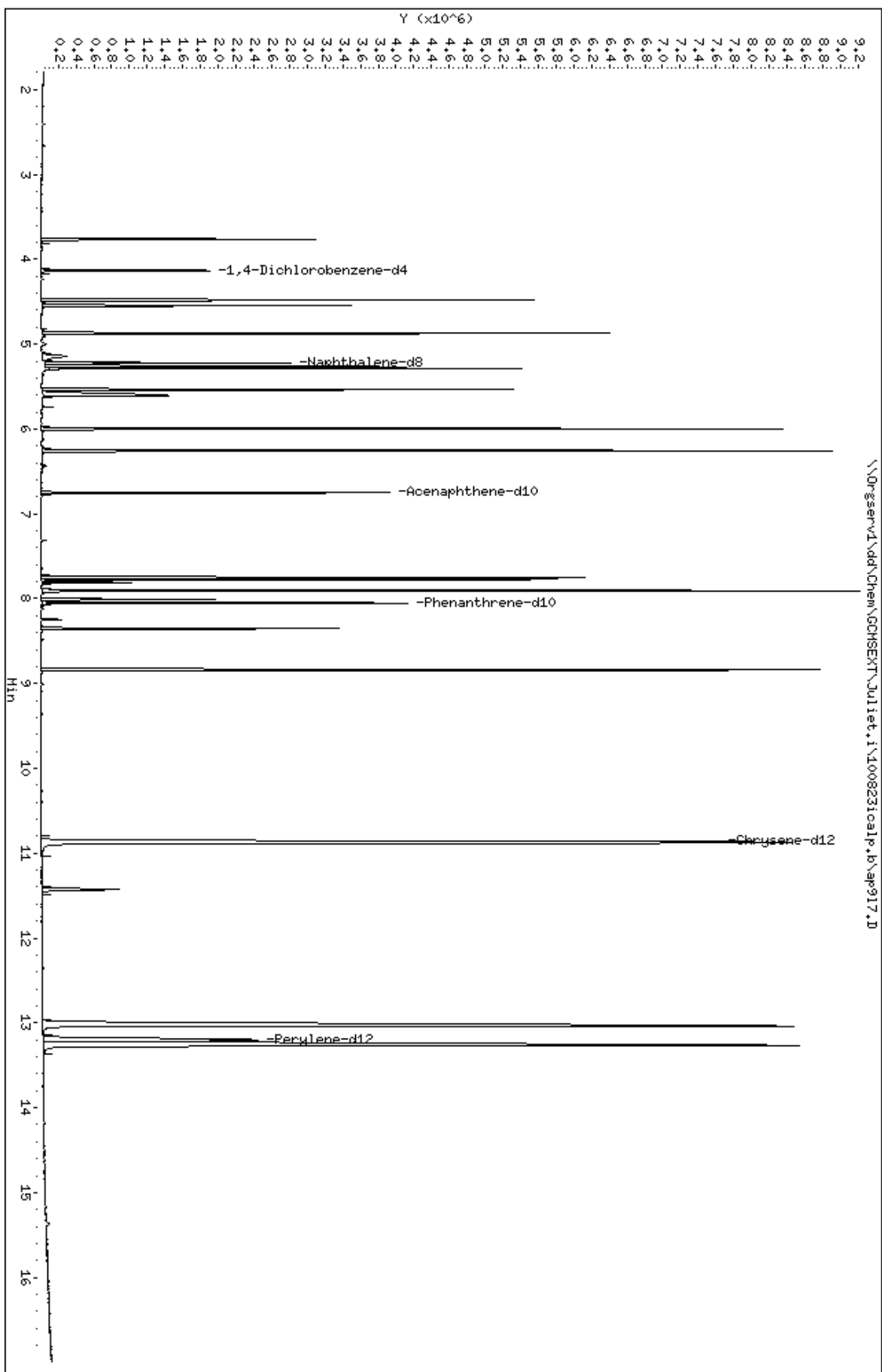
Sample Info: ap9 150 lot#3557

Instrument: Juliet.i

Column phase: RTX-5

Operator: hl

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l7.D
Lab Smp Id:
Inj Date : 23-AUG-2010 19:28
Operator : hl
Smp Info : ap9 150 lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:15 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 19:03 Cal File: ap9l6.D
Als bottle: 15 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ap9short.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
5 Benzaldehyde	105	3.765	3.765	(0.911)	546716	150.000	112		
* 15 1,4-Dichlorobenzene-d4	152	4.135	4.135	(1.000)	265286	40.0000			
23 Acetophenone	105	4.477	4.477	(1.083)	1385632	150.000	130		
25 m-Toluidine	106	4.546	4.546	(1.100)	752736	150.000	125		
31 2-Chloroaniline	127	4.873	4.873	(1.179)	1479357	150.000	134		
* 39 Naphthalene-d8	136	5.226	5.226	(1.000)	981505	40.0000			
42 a-Terpineol	59	5.258	5.258	(1.006)	454036	150.000	136		
41 3-Chloroaniline	65	5.284	5.284	(1.011)	292747	150.000	125(M)		M1
46 1-chloro-2-nitrobenzene	111	5.536	5.536	(1.339)	481357	150.000	133		
47 Caprolactam	55	5.605	5.605	(1.073)	390847	150.000	142		
54 1,2,4,5-Tetrachlorobenzene	216	6.001	6.001	(0.889)	1409741	150.000	131		
59 Biphenyl	154	6.258	6.258	(0.927)	2692126	150.000	120(M)		M1
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	684042	40.0000			
96 Dimethoate	87	7.756	7.756	(1.149)	971803	150.000	142		
98 Dichloran	206	7.777	7.777	(1.152)	500931	150.000	147		
99 Atrazine	200	7.809	7.809	(0.970)	102264	150.000	155		
101 Pentachloronitrobenzene	237	7.905	7.905	(1.171)	541306	150.000	136		
* 102 Phenanthrene-d10	188	8.050	8.050	(1.000)	1253822	40.0000			
111 Diphenamid	167	8.841	8.841	(1.098)	2030797	150.000	132		
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1796029	40.0000			
140 Benzo(e)pyrene	252	13.035	13.035	(0.987)	7091992	150.000	135		
* 143 Perylene-d12	264	13.200	13.200	(1.000)	2293992	40.0000			
144 Perylene	252	13.265	13.265	(1.005)	6992811	150.000	135		

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l7.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 18:39
Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

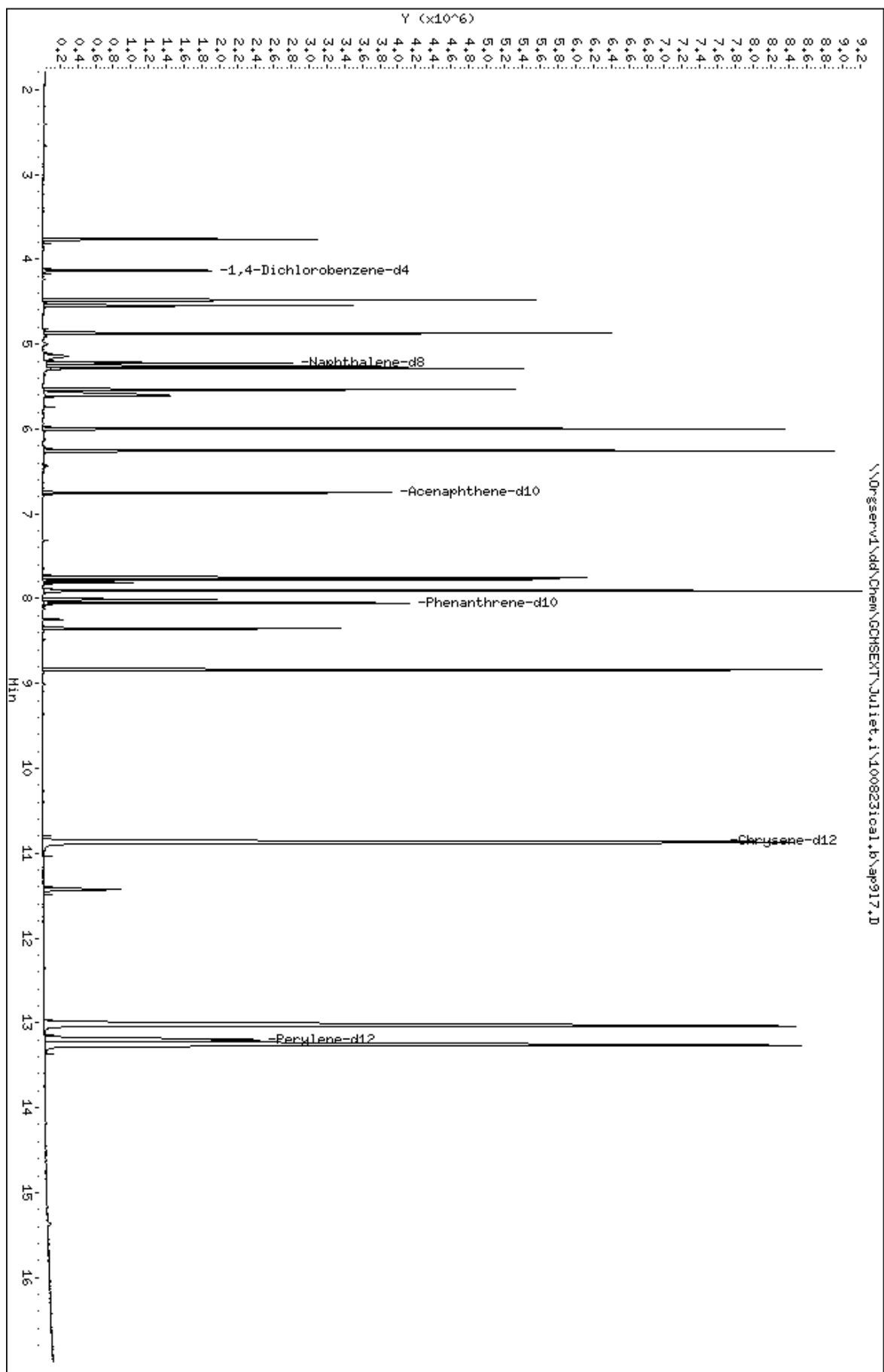
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	239797	119899	479594	265286	10.63
39 Naphthalene-d8	881805	440903	1763610	981505	11.31
74 Acenaphthene-d10	593064	296532	1186128	684042	15.34
102 Phenanthrene-d10	1112532	556266	2225064	1253822	12.70
129 Chrysene-d12	1677538	838769	3355076	1796029	7.06
143 Perylene-d12	2192873	1096437	4385746	2293992	4.61

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.14	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.10
74 Acenaphthene-d10	6.76	6.26	7.26	6.75	-0.08
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	0.00
129 Chrysene-d12	10.88	10.38	11.38	10.86	-0.15
143 Perylene-d12	13.20	12.70	13.70	13.20	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drqserv1\dd\Chem\GCHEXT\Juliet.i\1008231cal.b\ap917.D
Date : 23-AUG-2010 19:28
Client ID:
Sample Info: ap9 150 lot#3557
Column phase: RTX-5

Instrument: Juliet.i
Operator: hl
Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\ap9l8.D
Lab Smp Id:
Inj Date : 23-AUG-2010 19:53
Operator : hl
Smp Info : ap9 200 lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:19 aal
Cal Date : 23-AUG-2010 19:53
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: ABN-6

Inst ID: Juliet.i
Quant Type: ISTD
Cal File: ap9l8.D
Calibration Sample, Level: 8
Compound Sublist: ap9short.sub

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
5 Benzaldehyde	105	3.765	3.765	(0.911)	738570	200.000	147	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	273379	40.0000		
23 Acetophenone	105	4.482	4.482	(1.084)	1970200	200.000	179	
25 m-Toluidine	106	4.551	4.551	(1.101)	1048147	200.000	168	
31 2-Chloroaniline	127	4.872	4.872	(1.179)	1889737	200.000	166	
* 39 Naphthalene-d8	136	5.225	5.225	(1.000)	1007631	40.0000		
42 a-Terpineol	59	5.263	5.263	(1.007)	638851	200.000	186	
41 3-Chloroaniline	65	5.284	5.284	(1.011)	373725	200.000	162	
46 1-chloro-2-nitrobenzene	111	5.536	5.536	(1.339)	673198	200.000	180	
47 Caprolactam	55	5.611	5.611	(1.074)	534313	200.000	190	
54 1,2,4,5-Tetrachlorobenzene	216	6.001	6.001	(0.889)	1795047	200.000	165	
59 Biphenyl	154	6.258	6.258	(0.927)	3386494	200.000	150	
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	691114	40.0000		
96 Dimethoate	87	7.755	7.755	(1.149)	1247716	200.000	180	
98 Dichloran	206	7.777	7.777	(1.152)	692862	200.000	201	
99 Atrazine	200	7.809	7.809	(0.970)	131600	200.000	206	
101 Pentachloronitrobenzene	237	7.905	7.905	(1.171)	702943	200.000	175	
* 102 Phenanthrene-d10	188	8.049	8.049	(1.000)	1214476	40.0000		
111 Diphenamid	167	8.846	8.846	(1.099)	2619582	200.000	176	
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1825080	40.0000		
140 Benzo(e)pyrene	252	13.040	13.040	(0.988)	9295593	200.000	174	
* 143 Perylene-d12	264	13.200	13.200	(1.000)	2334905	40.0000		
144 Perylene	252	13.275	13.275	(1.006)	9062653	200.000	172	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l8.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823icalp.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 18:39

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	239797	119899	479594	273379	14.00
39 Naphthalene-d8	881805	440903	1763610	1007631	14.27
74 Acenaphthene-d10	593064	296532	1186128	691114	16.53
102 Phenanthrene-d10	1112532	556266	2225064	1214476	9.16
129 Chrysene-d12	1677538	838769	3355076	1825080	8.80
143 Perylene-d12	2192873	1096437	4385746	2334905	6.48

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.10
74 Acenaphthene-d10	6.76	6.26	7.26	6.75	-0.08
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	-0.00
129 Chrysene-d12	10.88	10.38	11.38	10.86	-0.15
143 Perylene-d12	13.20	12.70	13.70	13.20	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 19:53

Client ID:

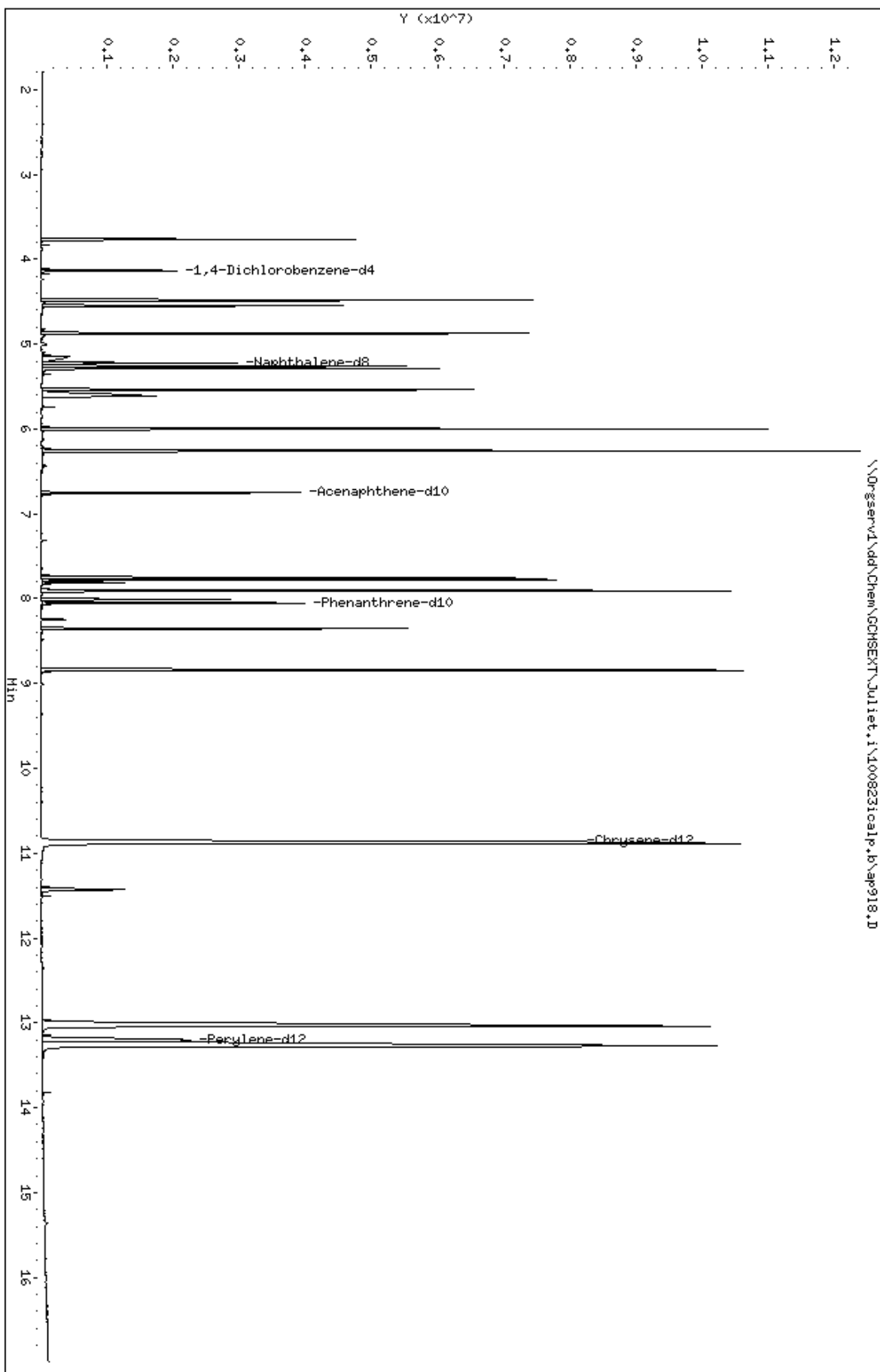
Sample Info: ap9 200 lot#3557

Instrument: Juliet.i

Operator: hl

Column diameter: 0.32

Column phase: RTX-5



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9l8.D
Lab Smp Id:
Inj Date : 23-AUG-2010 19:53
Operator : hl
Smp Info : ap9 200 lot#3557
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:15 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 19:28 Cal File: ap9l7.D
Als bottle: 16 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ap9short.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
5 Benzaldehyde	105	3.765	3.765	(0.911)	738570	200.000	146	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	273379	40.0000		
23 Acetophenone	105	4.482	4.482	(1.084)	1970200	200.000	179	
25 m-Toluidine	106	4.551	4.551	(1.101)	1048147	200.000	168	
31 2-Chloroaniline	127	4.872	4.872	(1.179)	1889737	200.000	166	
* 39 Naphthalene-d8	136	5.225	5.225	(1.000)	1007631	40.0000		
42 a-Terpineol	59	5.263	5.263	(1.007)	638851	200.000	186	
41 3-Chloroaniline	65	5.284	5.284	(1.011)	392876	200.000	164(M)	M1
46 1-chloro-2-nitrobenzene	111	5.536	5.536	(1.339)	673198	200.000	180	
47 Caprolactam	55	5.611	5.611	(1.074)	534313	200.000	190	
54 1,2,4,5-Tetrachlorobenzene	216	6.001	6.001	(0.889)	1795047	200.000	165	
59 Biphenyl	154	6.258	6.258	(0.927)	3403662	200.000	150(M)	M1
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	691114	40.0000		
96 Dimethoate	87	7.755	7.755	(1.149)	1247716	200.000	180	
98 Dichloran	206	7.777	7.777	(1.152)	692862	200.000	201	
99 Atrazine	200	7.809	7.809	(0.970)	131600	200.000	206	
101 Pentachloronitrobenzene	237	7.905	7.905	(1.171)	702943	200.000	175	
* 102 Phenanthrene-d10	188	8.049	8.049	(1.000)	1214476	40.0000		
111 Diphenamid	167	8.846	8.846	(1.099)	2619582	200.000	176	
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1825080	40.0000		
140 Benzo(e)pyrene	252	13.040	13.040	(0.988)	9295593	200.000	174	
* 143 Perylene-d12	264	13.200	13.200	(1.000)	2334905	40.0000		
144 Perylene	252	13.275	13.275	(1.006)	9062653	200.000	172	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9l8.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 18:39

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

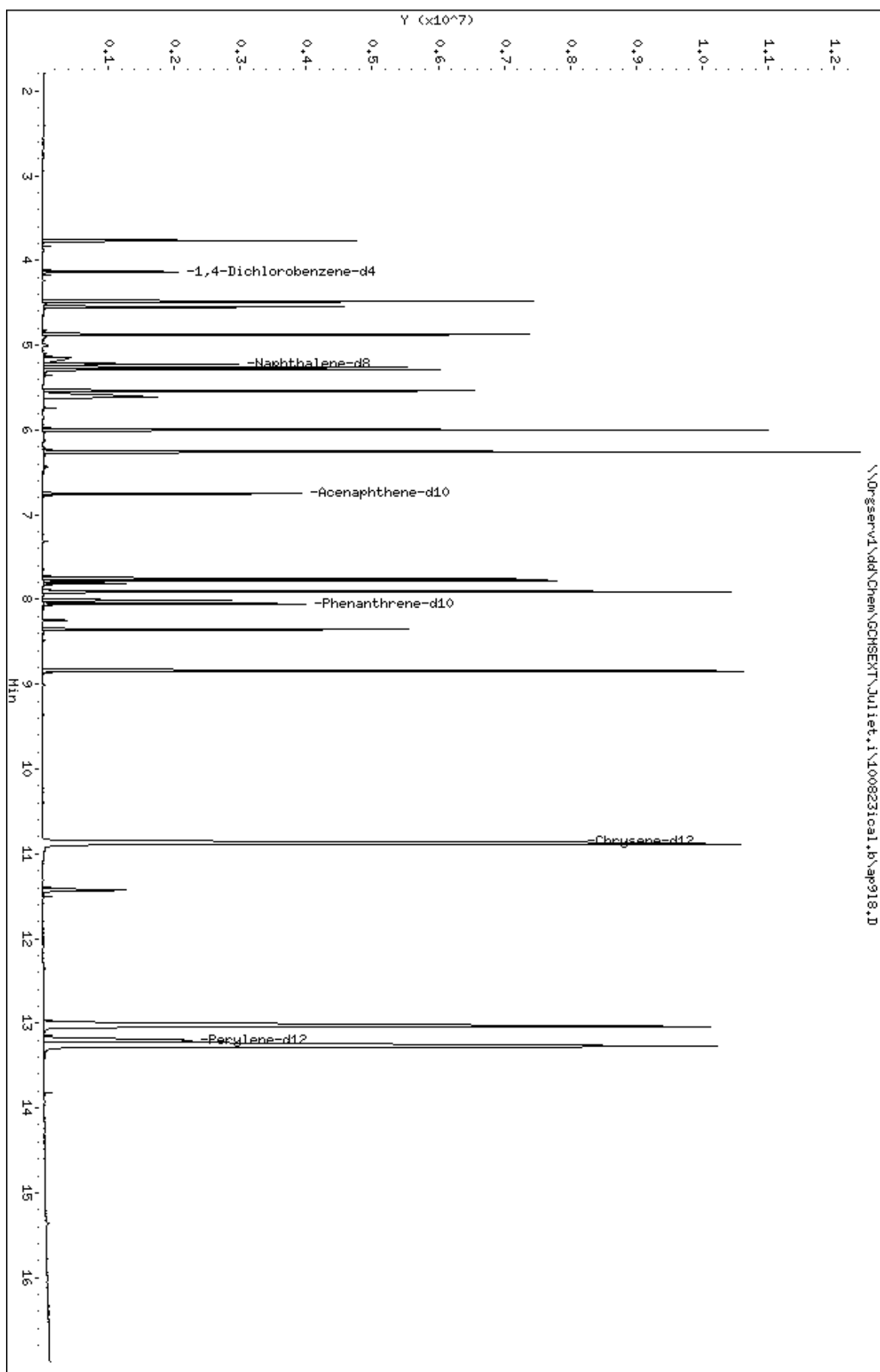
COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	239797	119899	479594	273379	14.00
39 Naphthalene-d8	881805	440903	1763610	1007631	14.27
74 Acenaphthene-d10	593064	296532	1186128	691114	16.53
102 Phenanthrene-d10	1112532	556266	2225064	1214476	9.16
129 Chrysene-d12	1677538	838769	3355076	1825080	8.80
143 Perylene-d12	2192873	1096437	4385746	2334905	6.48

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.10
74 Acenaphthene-d10	6.76	6.26	7.26	6.75	-0.08
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	-0.00
129 Chrysene-d12	10.88	10.38	11.38	10.86	-0.15
143 Perylene-d12	13.20	12.70	13.70	13.20	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\serv1\dd\Chem\GCHEXT\Juliet.i\1008231cal.b\ap918.D
Date : 23-AUG-2010 19:53
Client ID:
Sample Info: ap9 200 lot#3557
Column phase: RTX-5

Instrument: Juliet.i
Operator: hl
Column diameter: 0.32



Initial Calibration Verification

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Juliet.i Injection Date: 23-AUG-2010 20:17
Lab File ID: abnicv.D Init. Cal. Date(s): 23-AUG-2010 23-AUG-2010
Analysis Type: Init. Cal. Times: 13:41 19:53
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 n-Nitrosodimethylamine	0.59768	0.62936	0.62936	0.050	5.29950	20.00000	Averaged
2 Pyridine	1.10944	1.17156	1.17156	0.050	5.59929	20.00000	Averaged
\$ 3 2-Fluorophenol	1.18882	1.20868	1.20868	0.050	1.67080	20.00000	Averaged
\$ 7 Phenol-d6	1.44077	1.47093	1.47093	0.050	2.09334	20.00000	Averaged
8 Phenol	1.46671	1.42689	1.42689	0.050	-2.71448	20.00000	Averaged
9 Aniline	1.76716	1.80835	1.80835	0.050	2.33059	20.00000	Averaged
11 Bis(2-chloroethyl)ether	1.02287	1.04748	1.04748	0.050	2.40597	20.00000	Averaged
12 2-Chlorophenol	1.34691	1.39581	1.39581	0.050	3.63035	20.00000	Averaged
13 1,3-Dichlorobenzene	1.51495	1.54437	1.54437	0.050	1.94220	20.00000	Averaged
16 1,4-Dichlorobenzene	1.53587	1.58703	1.58703	0.050	3.33114	20.00000	Averaged
17 Benzyl alcohol	1.00180	1.00769	1.00769	0.050	0.58746	20.00000	Averaged
18 1,2-Dichlorobenzene	1.44328	1.43849	1.43849	0.050	-0.33128	20.00000	Averaged
19 2-Methylphenol	1.12589	1.14337	1.14337	0.050	1.55231	20.00000	Averaged
20 Bis(2-chloroisopropyl)ether	1.01787	0.99318	0.99318	0.050	-2.42595	20.00000	Averaged
22 3-Methylphenol/4-Methylphen	1.23278	1.22298	1.22298	0.050	-0.79506	20.00000	Averaged
24 n-Nitrosodi-n-propylamine	0.79840	0.78507	0.78507	0.050	-1.66897	20.00000	Averaged
26 Hexachloroethane	0.60918	0.64218	0.64218	0.050	5.41656	20.00000	Averaged
\$ 28 Nitrobenzene-d5	1.25337	1.27860	1.27860	0.050	2.01285	20.00000	Averaged
29 Nitrobenzene	0.32267	0.32503	0.32503	0.050	0.73063	20.00000	Averaged
30 Isophorone	2.21058	2.21014	2.21014	0.050	-0.02006	20.00000	Averaged
32 2-Nitrophenol	0.76361	0.78909	0.78909	0.050	3.33654	20.00000	Averaged
33 2,4-Dimethylphenol	1.29619	1.35265	1.35265	0.050	4.35593	20.00000	Averaged
36 Bis(2-chloroethoxy)methane	1.32632	1.26912	1.26912	0.050	-4.31264	20.00000	Averaged
34 Benzoic acid	0.26814	0.27097	0.27097	0.050	1.05484	20.00000	Averaged
37 2,4-Dichlorophenol	0.33550	0.33952	0.33952	0.050	1.19559	20.00000	Averaged
38 1,2,4-Trichlorobenzene	0.40428	0.40266	0.40266	0.050	-0.40057	20.00000	Averaged
40 Naphthalene	1.01377	1.00226	1.00226	0.050	-1.13538	20.00000	Averaged
43 4-Chloroaniline	0.11042	0.10966	0.10966	0.050	-0.68518	20.00000	Averaged
44 Hexachlorobutadiene	0.25749	0.27253	0.27253	0.050	5.83992	20.00000	Averaged
50 p-Chloro-m-cresol	0.31133	0.30951	0.30951	0.050	-0.58461	20.00000	Averaged
51 2-Methylnaphthalene	0.72103	0.75597	0.75597	0.050	4.84645	20.00000	Averaged
53 1-Methylnaphthalene	0.25702	0.26479	0.26479	0.050	3.02625	20.00000	Averaged
55 Hexachlorocyclopentadiene	0.27654	0.32310	0.32310	0.050	16.83603	20.00000	Averaged
56 2,4,6-Trichlorophenol	0.28115	0.30186	0.30186	0.050	7.36521	20.00000	Averaged
57 2,4,5-Trichlorophenol	0.30254	0.33724	0.33724	0.050	11.46934	20.00000	Averaged
\$ 58 2-Fluorobiphenyl	0.91385	0.83499	0.83499	0.050	-8.62895	20.00000	Averaged
60 2-Chloronaphthalene	0.75604	0.73282	0.73282	0.050	-3.07186	20.00000	Averaged
62 2-Nitroaniline	0.25720	0.26871	0.26871	0.050	4.47876	20.00000	Averaged
65 1,4-Dinitrobenzene	0.17177	0.19242	0.19242	0.050	12.02310	20.00000	Averaged
66 Dimethyl phthalate	1.31913	1.29228	1.29228	0.050	-2.03584	20.00000	Averaged
67 1,3-Dinitrobenzene	0.20585	0.22967	0.22967	0.050	11.57409	20.00000	Averaged
69 2,6-Dinitrotoluene	0.20813	0.21378	0.21378	0.050	2.71293	20.00000	Averaged
68 1,2-Dinitrobenzene	0.12470	0.13753	0.13753	0.050	10.29072	20.00000	Averaged

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Juliet.i Injection Date: 23-AUG-2010 20:17
Lab File ID: abnicv.D Init. Cal. Date(s): 23-AUG-2010 23-AUG-2010
Analysis Type: Init. Cal. Times: 13:41 19:53
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
70 Acenaphthylene	1.20761	1.20127	1.20127	0.050	-0.52532	20.00000	Averaged
72 3-Nitroaniline	0.33612	0.34727	0.34727	0.050	3.31588	20.00000	Averaged
75 Acenaphthene	1.03270	1.03864	1.03864	0.050	0.57541	20.00000	Averaged
76 2,4-Dinitrophenol	50.00000	46.66075	0.18110	0.050	-6.67851	20.00000	Linear
77 4-Nitrophenol	0.20349	0.21602	0.21602	0.050	6.15585	20.00000	Averaged
80 2,4-Dinitrotoluene	0.38563	0.38688	0.38688	0.050	0.32416	20.00000	Averaged
78 Dibenzofuran	1.57382	1.49692	1.49692	0.050	-4.88653	20.00000	Averaged
81 2,3,4,6-Tetrachlorophenol	0.40016	0.43269	0.43269	0.050	8.12921	20.00000	Averaged
82 2,3,5,6-Tetrachlorophenol	0.43200	0.44685	0.44685	0.050	3.43585	20.00000	Averaged
83 Diethyl phthalate	1.38923	1.33909	1.33909	0.050	-3.60918	20.00000	Averaged
84 4-Chlorophenyl phenyl ether	0.69609	0.64443	0.64443	0.050	-7.42136	20.00000	Averaged
85 Fluorene	1.31646	1.20582	1.20582	0.050	-8.40445	20.00000	Averaged
86 4-Nitroaniline	0.33857	0.34007	0.34007	0.050	0.44379	20.00000	Averaged
87 4,6-Dinitro-o-cresol	0.26185	0.26824	0.26824	0.050	2.44040	20.00000	Averaged
88 NDPA/DPA	1.13563	1.17089	1.17089	0.050	3.10491	20.00000	Averaged
89 Azobenzene	1.03129	1.02270	1.02270	0.050	-0.83240	20.00000	Averaged
91 2,4,6-Tribromophenol	0.23904	0.25331	0.25331	0.050	5.96855	20.00000	Averaged
94 4-Bromophenyl phenyl ether	0.53211	0.54628	0.54628	0.050	2.66157	20.00000	Averaged
97 Hexachlorobenzene	0.73405	0.69529	0.69529	0.050	-5.28082	20.00000	Averaged
100 Pentachlorophenol	50.00000	54.49920	0.20782	0.050	8.99841	20.00000	Linear
103 Phenanthrene	1.09351	1.07832	1.07832	0.050	-1.38861	20.00000	Averaged
104 Anthracene	1.10022	1.05360	1.05360	0.050	-4.23762	20.00000	Averaged
106 Carbazole	1.04543	1.05531	1.05531	0.050	0.94478	20.00000	Averaged
109 Di-n-butylphthalate	1.24633	1.19869	1.19869	0.050	-3.82251	20.00000	Averaged
115 Fluoranthene	1.25844	1.29336	1.29336	0.050	2.77487	20.00000	Averaged
117 Benzidine	0.87648	0.91665	0.91665	0.050	4.58265	20.00000	Averaged
119 Pyrene	1.43541	1.40155	1.40155	0.050	-2.35935	20.00000	Averaged
120 4-Terphenyl-d14	1.07032	1.04818	1.04818	0.050	-2.06825	20.00000	Averaged
122 Butyl benzyl phthalate	0.61641	0.60591	0.60591	0.050	-1.70262	20.00000	Averaged
124 Bis (2-ethylhexyl) adipate	2.03545	1.96886	1.96886	0.050	-3.27164	20.00000	Averaged
127 3,3'-Dichlorobenzidine	0.45346	0.49010	0.49010	0.050	8.08158	20.00000	Averaged
128 Benzo(a)anthracene	1.03274	1.03323	1.03323	0.050	0.04717	20.00000	Averaged
131 Chrysene	0.98184	1.01828	1.01828	0.050	3.71162	20.00000	Averaged
132 Bis(2-ethylhexyl)phthalate	0.58081	0.58741	0.58741	0.050	1.13689	20.00000	Averaged
137 Di-n-octylphthalate	0.95258	1.05422	1.05422	0.050	10.66918	20.00000	Averaged
138 Benzo(b)fluoranthene	1.01210	1.06027	1.06027	0.050	4.75958	20.00000	Averaged
139 Benzo(k)fluoranthene	0.97162	1.07463	1.07463	0.050	10.60180	20.00000	Averaged
141 Benzo(a)pyrene	0.96605	1.04815	1.04815	0.050	8.49831	20.00000	Averaged
146 Indeno(1,2,3-cd)pyrene	1.11398	1.14913	1.14913	0.050	3.15566	20.00000	Averaged
147 Dibenzo(a,h)anthracene	1.06478	1.17244	1.17244	0.050	10.11099	20.00000	Averaged
149 Benzo(ghi)perylene	1.15303	1.24656	1.24656	0.050	8.11160	20.00000	Averaged

Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\abnicv.D
Lab Smp Id:
Inj Date : 23-AUG-2010 20:17
Operator : hl Inst ID: Juliet.i
Smp Info : abn icv lot#3040
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNV2.m
Meth Date : 24-Aug-2010 13:16 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 19:53 Cal File: ap9l8.D
Als bottle: 17 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270ical.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS		
QUANT SIG						CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.979	1.979	(0.479)	209891	50.0000	52.6	
2 Pyridine	79	2.011	2.011	(0.486)	390716	50.0000	52.8	
\$ 3 2-Fluorophenol	112	3.075	3.075	(0.744)	403095	50.0000	50.8	
\$ 7 Phenol-d6	99	3.867	3.867	(0.935)	490555	50.0000	51.0	
8 Phenol	94	3.878	3.878	(0.938)	475869	50.0000	48.6	
9 Aniline	93	3.856	3.856	(0.933)	603084	50.0000	51.2	
11 Bis(2-chloroethyl)ether	93	3.910	3.910	(0.946)	349336	50.0000	51.2	
12 2-Chlorophenol	128	3.969	3.969	(0.960)	465503	50.0000	51.8	
13 1,3-Dichlorobenzene	146	4.086	4.086	(0.988)	515047	50.0000	51.0	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	266800	40.0000		
16 1,4-Dichlorobenzene	146	4.145	4.145	(1.003)	529275	50.0000	51.7	
17 Benzyl alcohol	79	4.257	4.257	(1.030)	336064	50.0000	50.3	
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	479738	50.0000	49.8	
19 2-Methylphenol	108	4.375	4.375	(1.058)	381313	50.0000	50.8	
20 Bis(2-chloroisopropyl)ether	45	4.370	4.370	(1.057)	331224	50.0000	48.8	
22 3-Methylphenol/4-Methylphenol	108	4.514	4.514	(1.092)	407865	50.0000	49.6	
24 n-Nitrosodi-n-propylamine	70	4.482	4.482	(1.084)	261822	50.0000	49.2	
26 Hexachloroethane	117	4.562	4.562	(1.103)	214166	50.0000	52.7	
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	426413	50.0000	51.0	
29 Nitrobenzene	77	4.621	4.621	(0.884)	399331	50.0000	50.4	
30 Isophorone	82	4.830	4.830	(1.168)	737082	50.0000	50.0	
32 2-Nitrophenol	139	4.899	4.899	(1.185)	263160	50.0000	51.7	
33 2,4-Dimethylphenol	107	4.958	4.958	(1.199)	451109	50.0000	52.2	
36 Bis(2-chloroethoxy)methane	93	5.022	5.022	(1.215)	423252	50.0000	47.8	
34 Benzoic acid	105	5.076	5.076	(0.971)	332919	50.0000	50.5	
37 2,4-Dichlorophenol	162	5.124	5.124	(0.981)	417131	50.0000	50.6	
38 1,2,4-Trichlorobenzene	180	5.177	5.177	(0.991)	494710	50.0000	49.8	
* 39 Naphthalene-d8	136	5.226	5.226	(1.000)	982885	40.0000		
40 Naphthalene	128	5.242	5.242	(1.003)	1231385	50.0000	49.4	
43 4-Chloroaniline	65	5.295	5.295	(1.013)	134732	50.0000	49.6	
44 Hexachlorobutadiene	225	5.359	5.359	(1.026)	334829	50.0000	52.9	
50 p-Chloro-m-cresol	107	5.744	5.744	(1.099)	380267	50.0000	49.7	
51 2-Methylnaphthalene	142	5.846	5.846	(1.119)	928789	50.0000	52.4	

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.932	5.932 (1.135)		325328	50.0000	51.5	
55 Hexachlorocyclopentadiene	237	5.990	5.990 (1.146)		396958	50.0000	58.4	
56 2,4,6-Trichlorophenol	196	6.103	6.103 (1.168)		370867	50.0000	53.7	
57 2,4,5-Trichlorophenol	196	6.140	6.140 (1.175)		414336	50.0000	55.7	
\$ 58 2-Fluorobiphenyl	172	6.167	6.167 (1.180)		1025879	50.0000	45.7	
60 2-Chloronaphthalene	162	6.269	6.269 (1.200)		900343	50.0000	48.5	
62 2-Nitroaniline	138	6.365	6.365 (1.218)		330144	50.0000	52.2	
65 1,4-Dinitrobenzene	168	6.477	6.477 (0.959)		162254	50.0000	56.0	
66 Dimethyl phthalate	163	6.525	6.525 (0.966)		1089702	50.0000	49.0	
67 1,3-Dinitrobenzene	168	6.547	6.547 (0.969)		193671	50.0000	55.8	
69 2,6-Dinitrotoluene	165	6.573	6.573 (1.258)		262646	50.0000	51.4	
68 1,2-Dinitrobenzene	168	6.622	6.622 (0.980)		115971	50.0000	55.1	
70 Acenaphthylene	152	6.627	6.627 (1.268)		1475888	50.0000	49.7	
72 3-Nitroaniline	138	6.723	6.723 (0.995)		292832	50.0000	51.6	
* 74 Acenaphthene-d10	164	6.755	6.755 (1.000)		674593	40.0000		
75 Acenaphthene	154	6.782	6.782 (1.004)		875822	50.0000	50.3	
76 2,4-Dinitrophenol	184	6.814	6.814 (1.009)		152708	50.0000	46.7	
77 4-Nitrophenol	65	6.910	6.910 (1.023)		182153	50.0000	53.1	
80 2,4-Dinitrotoluene	165	6.926	6.926 (1.025)		326231	50.0000	50.2	
78 Dibenzofuran	168	6.932	6.932 (1.026)		1262264	50.0000	47.6	
81 2,3,4,6-Tetrachlorophenol	232	7.012	7.012 (1.038)		364866	50.0000	54.1	
82 2,3,5,6-Tetrachlorophenol	232	7.049	7.049 (1.044)		376800	50.0000	51.7	
83 Diethyl phthalate	149	7.140	7.140 (1.057)		1129175	50.0000	48.2	
84 4-Chlorophenyl phenyl ether	204	7.231	7.231 (1.070)		543408	50.0000	46.3	
85 Fluorene	166	7.231	7.231 (1.070)		1016800	50.0000	45.8	
86 4-Nitroaniline	138	7.263	7.263 (1.075)		286760	50.0000	50.2	
87 4,6-Dinitro-o-cresol	198	7.290	7.290 (1.079)		226195	50.0000	51.2	
88 NDPA/DPA	169	7.338	7.338 (1.086)		987342	50.0000	51.6	
89 Azobenzene	77	7.370	7.370 (1.091)		862384	50.0000	49.6	
\$ 91 2,4,6-Tribromophenol	330	7.445	7.445 (0.925)		396029	50.0000	53.0	
94 4-Bromophenyl phenyl ether	248	7.659	7.659 (1.134)		460642	50.0000	51.3	
97 Hexachlorobenzene	284	7.718	7.718 (1.143)		586297	50.0000	47.4	
100 Pentachlorophenol	266	7.900	7.900 (0.981)		324913	50.0000	54.5	
* 102 Phenanthrene-d10	188	8.050	8.050 (1.000)		1250723	40.0000		
103 Phenanthrene	178	8.071	8.071 (1.003)		1685852	50.0000	49.3	
104 Anthracene	178	8.114	8.114 (1.008)		1647199	50.0000	47.9	
106 Carbazole	167	8.258	8.258 (1.026)		1649872	50.0000	50.5	
109 Di-n-butylphthalate	149	8.568	8.568 (1.064)		1874034	50.0000	48.1	
115 Fluoranthene	202	9.135	9.135 (1.135)		2022038	50.0000	51.4	
117 Benzidine	184	9.274	9.274 (1.152)		1433094	50.0000	52.3	
119 Pyrene	202	9.360	9.360 (1.163)		2191182	50.0000	48.8	
\$ 120 4-Terphenyl-d14	244	9.531	9.531 (1.184)		1638730	50.0000	49.0	
122 Butyl benzyl phthalate	149	10.125	10.125 (1.258)		947284	50.0000	49.1	
124 Bis (2-ethylhexyl) adipate	129	10.248	10.248 (2.478)		656615	50.0000	48.4	
127 3,3'-Dichlorobenzidine	252	10.842	10.842 (0.998)		1124626	50.0000	54.0	
128 Benzo(a)anthracene	228	10.852	10.852 (0.999)		2370922	50.0000	50.0	
* 129 Chrysene-d12	240	10.868	10.868 (1.000)		1835737	40.0000		
131 Chrysene	228	10.911	10.911 (1.004)		2336621	50.0000	51.8	
132 Bis(2-ethylhexyl)phthalate	149	10.965	10.965 (1.009)		1347915	50.0000	50.6	
137 Di-n-octylphthalate	149	12.029	12.029 (1.107)		2419077	50.0000	55.3	
138 Benzo(b)fluoranthene	252	12.559	12.559 (0.952)		2927136	50.0000	52.4	
139 Benzo(k)fluoranthene	252	12.607	12.607 (0.956)		2966789	50.0000	55.3	
141 Benzo(a)pyrene	252	13.099	13.099 (0.993)		2893679	50.0000	54.2	
* 143 Perylene-d12	264	13.190	13.190 (1.000)		2208600	40.0000		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	14.976	14.976	(1.135)	3172463	50.0000	51.6	
147 Dibenzo(a,h)anthracene	278	15.024	15.024	(1.139)	3236809	50.0000	55.0	
149 Benzo(ghi)perylene	276	15.393	15.393	(1.167)	3441451	50.0000	54.0	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: abnicv.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 18:39

Level:
Sample Type:

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
15 1,4-Dichlorobenze	253053	126527	506106	266800	5.43
39 Naphthalene-d8	1005602	502801	2011204	982885	-2.26
74 Acenaphthene-d10	639767	319884	1279534	674593	5.44
102 Phenanthrene-d10	1268492	634246	2536984	1250723	-1.40
129 Chrysene-d12	1894731	947366	3789462	1835737	-3.11
143 Perylene-d12	2338651	1169326	4677302	2208600	-5.56

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.76	0.08
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	-0.00
129 Chrysene-d12	10.86	10.36	11.36	10.87	0.05
143 Perylene-d12	13.20	12.70	13.70	13.19	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 23-AUG-2010 20:17

Client ID:

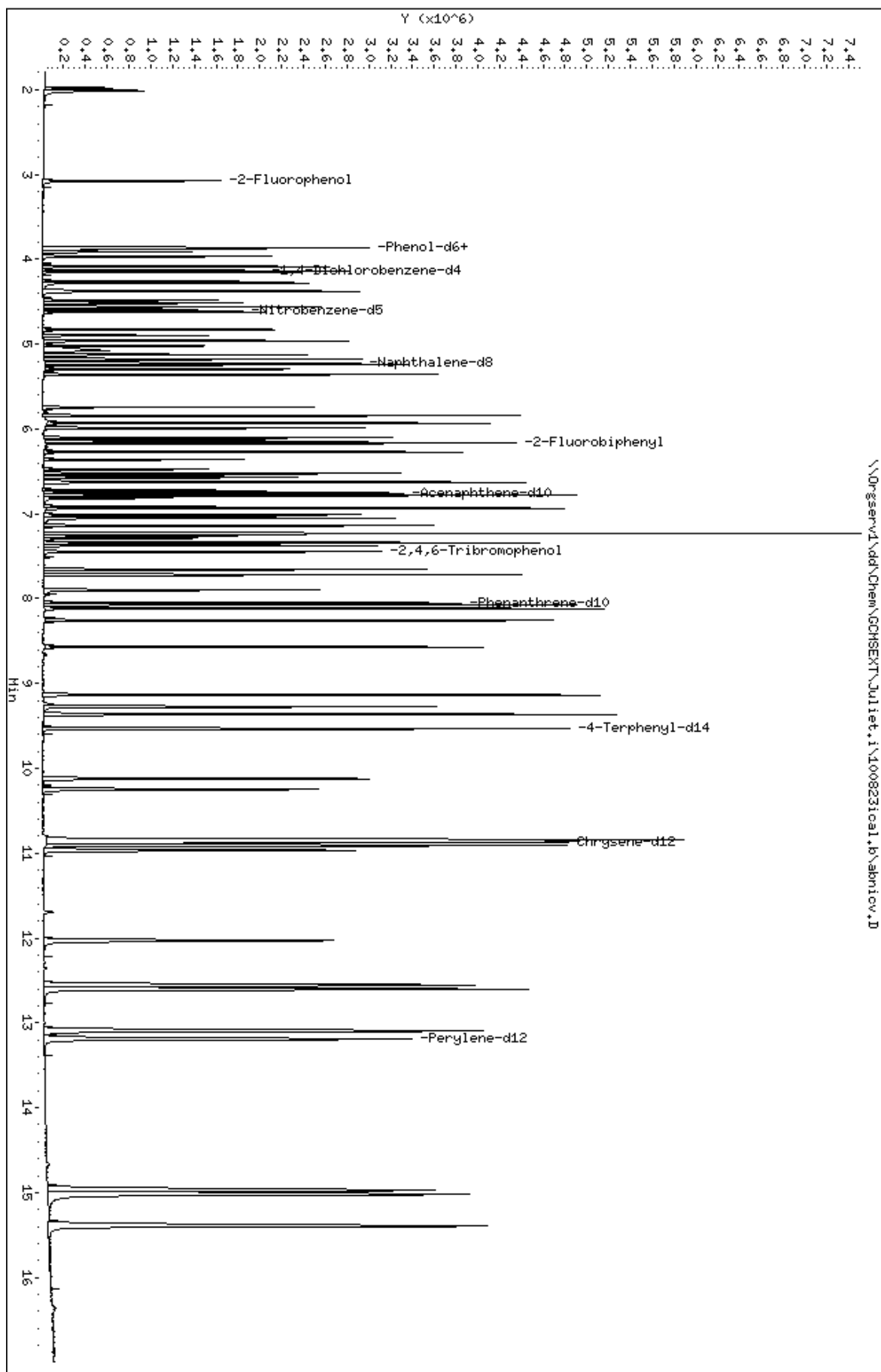
Sample Info: abn 1cv lot#3040

Instrument: Juliet.i

Operator: h1

Column diameter: 0.32

Column phase: RTX-5



Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Juliet.i Injection Date: 23-AUG-2010 20:42
Lab File ID: ap9icv.D Init. Cal. Date(s): 23-AUG-2010 23-AUG-2010
Analysis Type: Init. Cal. Times: 13:41 19:53
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
5 Benzaldehyde	0.73900	0.82436	0.82436	0.050	11.55012	20.00000	Averaged
23 Acetophenone	1.61189	1.72448	1.72448	0.050	6.98508	20.00000	Averaged
25 m-Toluidine	0.90980	0.93399	0.93399	0.050	2.65889	20.00000	Averaged
31 2-Chloroaniline	1.66693	1.87590	1.87590	0.050	12.53613	20.00000	Averaged
42 a-Terpineol	0.13646	0.13656	0.13656	0.050	0.06662	20.00000	Averaged
41 3-Chloroaniline	0.09529	0.10542	0.10542	0.050	10.62621	20.00000	Averaged
46 1-chloro-2-nitrobenzene	0.54717	0.59219	0.59219	0.050	8.22735	20.00000	Averaged
47 Caprolactam	0.11179	0.11881	0.11881	0.050	6.27538	20.00000	Averaged
54 1,2,4,5-Tetrachlorobenzene	0.62998	0.69053	0.69053	0.050	9.61240	20.00000	Averaged
59 Biphenyl	1.31122	1.43321	1.43321	0.050	9.30389	20.00000	Averaged
96 Dimethoate	0.40122	0.46214	0.46214	0.050	15.18433	20.00000	Averaged
98 Dichloran	0.19933	0.23969	0.23969	0.050	20.24808	20.00000	Averaged<-
99 Atrazine	0.02105	0.02435	0.02435	0.050	15.68489	20.00000	Averaged
101 Pentachloronitrobenzene	0.23216	0.27096	0.27096	0.050	16.71098	20.00000	Averaged
111 Diphenamid	0.49133	0.54235	0.54235	0.050	10.38392	20.00000	Averaged
140 Benzo(e)pyrene	0.91298	1.02063	1.02063	0.050	11.79050	20.00000	Averaged
144 Perylene	0.90064	1.03720	1.03720	0.050	15.16217	20.00000	Averaged

Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\ap9icv.D
Lab Smp Id:
Inj Date : 23-AUG-2010 20:42
Operator : hl
Smp Info : ap9 icv lot#2996
Misc Info :
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Meth Date : 24-Aug-2010 13:16 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 19:53 Cal File: ap9l8.D
Als bottle: 18 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ap9short.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
5 Benzaldehyde	105	3.760	3.760	(0.909)	292342	50.0000	55.8	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	283704	40.0000		
23 Acetophenone	105	4.477	4.477	(1.083)	611554	50.0000	53.5	
25 m-Toluidine	106	4.546	4.546	(1.100)	331222	50.0000	51.3	
31 2-Chloroaniline	127	4.867	4.867	(1.177)	665250	50.0000	56.3	
* 39 Naphthalene-d8	136	5.225	5.225	(1.000)	1087160	40.0000		
42 a-Terpineol	59	5.258	5.258	(1.006)	185572	50.0000	50.0	
41 3-Chloroaniline	65	5.279	5.279	(1.010)	143257	50.0000	55.3	
46 1-chloro-2-nitrobenzene	111	5.530	5.530	(1.338)	210007	50.0000	54.1	
47 Caprolactam	55	5.584	5.584	(1.069)	161451	50.0000	53.1	
54 1,2,4,5-Tetrachlorobenzene	216	5.996	5.996	(0.888)	608791	50.0000	54.8	
59 Biphenyl	154	6.252	6.252	(0.926)	1263555	50.0000	54.6	
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	705299	40.0000		
96 Dimethoate	87	7.739	7.739	(1.147)	407437	50.0000	57.6	
98 Dichloran	206	7.766	7.766	(1.151)	211317	50.0000	60.1	
99 Atrazine	200	7.804	7.804	(0.970)	40860	50.0000	57.8	
101 Pentachloronitrobenzene	237	7.900	7.900	(1.170)	238886	50.0000	58.4	
* 102 Phenanthrene-d10	188	8.044	8.044	(1.000)	1342395	40.0000		
111 Diphenamid	167	8.836	8.836	(1.098)	910067	50.0000	55.2	
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1951586	40.0000		
140 Benzo(e)pyrene	252	13.013	13.013	(0.986)	3127393	50.0000	55.9	
* 143 Perylene-d12	264	13.195	13.195	(1.000)	2451344	40.0000		
144 Perylene	252	13.243	13.243	(1.004)	3178156	50.0000	57.6	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: ap9icv.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100823ical.b\HP2ABNv2.m
Misc Info:

Calibration Date: 23-AUG-2010
Calibration Time: 20:17
Level:
Sample Type:

Test Mode:

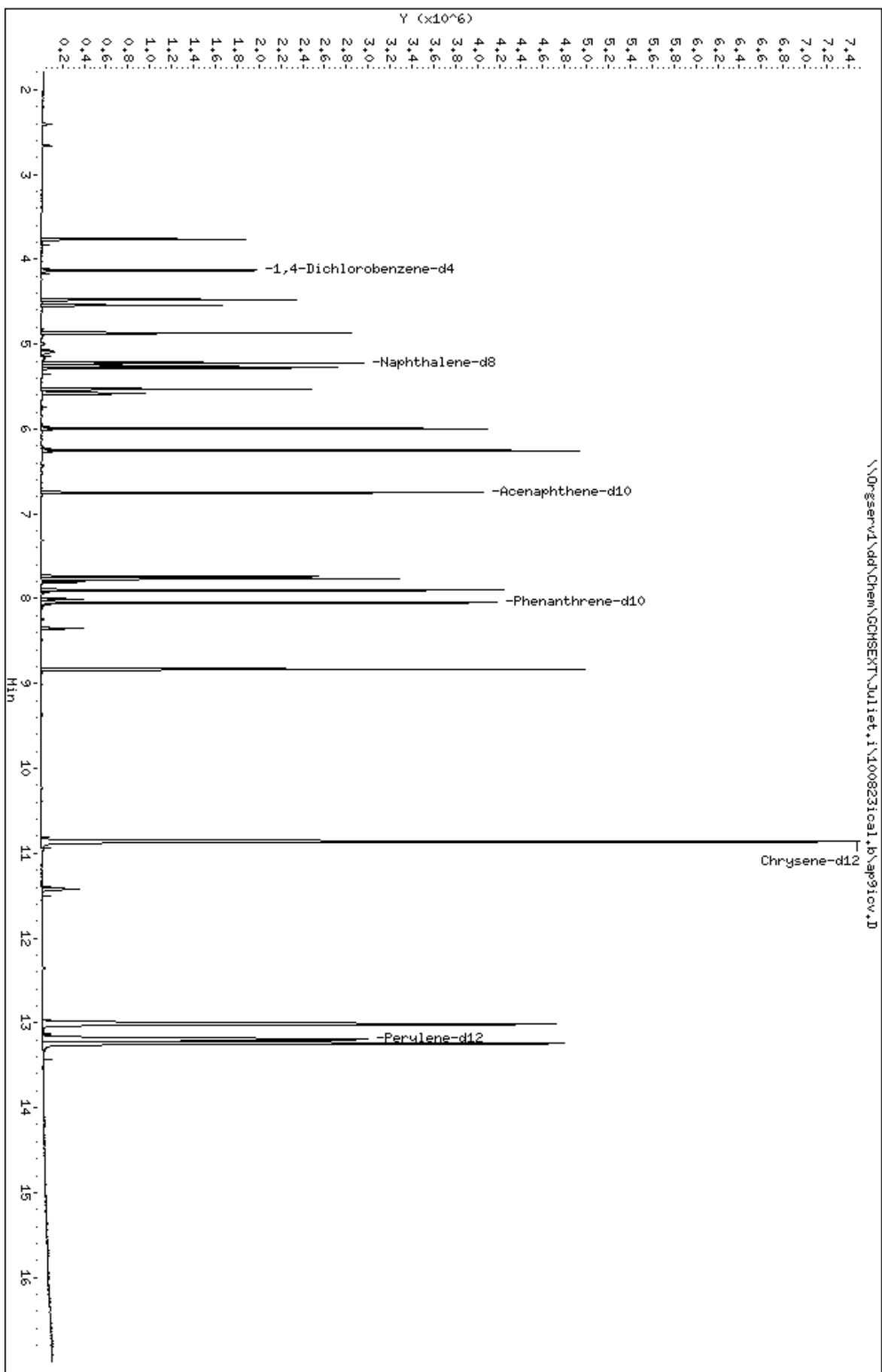
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
15 1,4-Dichlorobenze	253053	126527	506106	283704	12.11
39 Naphthalene-d8	1005602	502801	2011204	1087160	8.11
74 Acenaphthene-d10	639767	319884	1279534	705299	10.24
102 Phenanthrene-d10	1268492	634246	2536984	1342395	5.83
129 Chrysene-d12	1894731	947366	3789462	1951586	3.00
143 Perylene-d12	2338651	1169326	4677302	2451344	4.82

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	-0.00
102 Phenanthrene-d10	8.05	7.55	8.55	8.04	-0.07
129 Chrysene-d12	10.86	10.36	11.36	10.86	-0.00
143 Perylene-d12	13.20	12.70	13.70	13.20	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\dd\Chem\GCHSEXT\Juliet.1\1008231cal.b\ap91cv.D
 Date : 23-AUG-2010 20:42
 Client ID:
 Sample Info: ap9 1cv lot#2996
 Column phase: RTX-5
 Instrument: Juliet.1
 Operator: hl
 Column diameter: 0.32



Continuing Calibration

7B
SEMIVOLATILE ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: Juliet.i Calibration Date: 25-AUG-2010 Time: 06:11

Lab File ID: abn050.D Init. Calib. Date(s): 23-AUG-2010 23-AUG-2010

Sample No: abn icv/ccv lot Init. Calib. Times : 13:41 19:53

Compound	RRF	RRF	MIN RRF	%D	MAX %D
n-Nitrosodimethylamine	.59768	.65762	.05	10	20
Pyridine	1.1094	1.2089	.05	9	20
Phenol	1.4667	1.6192	.05	10	20
Aniline	1.7671	1.8710	.05	6	20
Bis(2-chloroethyl)ether	1.0228	1.0629	.05	4	20
2-Chlorophenol	1.3469	1.4180	.05	5	20
1,3-Dichlorobenzene	1.5149	1.5611	.05	3	20
1,4-Dichlorobenzene	1.5358	1.5397	.05	0	20
Benzyl alcohol	1.0018	1.0739	.05	7	20
1,2-Dichlorobenzene	1.4432	1.5132	.05	5	20
2-Methylphenol	1.1258	1.2284	.05	9	20
Bis(2-chloroisopropyl)ether	1.0178	1.0826	.05	6	20
3-Methylphenol/4-Methylphen	1.2327	1.3246	.05	7	20
n-Nitrosodi-n-propylamine	.7984	.80589	.05	1	20
Hexachloroethane	.60918	.62668	.05	3	20
Nitrobenzene	.32267	.31278	.05	-3	20
Isophorone	2.2105	2.4191	.05	9	20
2-Nitrophenol	.76361	.79961	.05	5	20
2,4-Dimethylphenol	1.2961	1.4836	.05	14	20
Bis(2-chloroethoxy)methane	1.3263	1.3778	.05	4	20
Benzoic acid	.26814	.23667	.05	-12	20
2,4-Dichlorophenol	.3355	.34201	.05	2	20
1,2,4-Trichlorobenzene	.40428	.40493	.05	0	20
Naphthalene	1.0137	.98218	.05	-3	20
4-Chloroaniline	.11042	.11153	.05	1	20
Hexachlorobutadiene	.25749	.25739	.05	0	20
p-Chloro-m-cresol	.31133	.31095	.05	0	20
2-Methylnaphthalene	.72103	.71521	.05	-1	20
1-Methylnaphthalene	.25702	.25084	.05	-2	20
Hexachlorocyclopentadiene	.27654	.26458	.05	-4	20
2,4,6-Trichlorophenol	.28115	.27289	.05	-3	20
2,4,5-Trichlorophenol	.30254	.31655	.05	5	20
2-Chloronaphthalene	.75539	.7129	.05	-6	20
2-Nitroaniline	.2572	.2622	.05	2	20
1,4-Dinitrobenzene	.17177	.18823	.05	10	20
Dimethyl phthalate	1.3191	1.2990	.05	-2	20
1,3-Dinitrobenzene	.20585	.21988	.05	7	20
2,6-Dinitrotoluene	.20813	.20271	.05	-3	20

FORM VII NYTCL-8270

7B
SEMIVOLATILE ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: Juliet.i Calibration Date: 25-AUG-2010 Time: 06:11

Lab File ID: abn050.D Init. Calib. Date(s): 23-AUG-2010 23-AUG-2010

Sample No: abn icv/ccv lot Init. Calib. Times : 13:41 19:53

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,2-Dinitrobenzene	.1247	.12605	.05	1	20
Acenaphthylene	1.2016	1.1071	.05	-8	20
3-Nitroaniline	.33612	.34805	.05	4	20
Acenaphthene	1.0327	1.0176	.05	-1	20
2,4-Dinitrophenol	.50	45.493	.05	-9	20
4-Nitrophenol	.20349	.2186	.05	7	20
2,4-Dinitrotoluene	.38563	.39605	.05	3	20
Dibenzofuran	1.5738	1.5423	.05	-2	20
2,3,4,6-Tetrachlorophenol	.40016	.40874	.05	2	20
2,3,5,6-Tetrachlorophenol	.432	.40915	.05	-5	20
Diethyl phthalate	1.3855	1.2968	.05	-6	20
4-Chlorophenyl phenyl ether	.69609	.64706	.05	-7	20
Fluorene	1.3164	1.2318	.05	-6	20
4-Nitroaniline	.33857	.3252	.05	-4	20
4,6-Dinitro-o-cresol	.26185	.24467	.05	-7	20
NDPA/DPA	1.1356	1.0706	.05	-6	20
Azobenzene	1.0312	1.0211	.05	-1	20
4-Bromophenyl phenyl ether	.53211	.50436	.05	-5	20
Hexachlorobenzene	.73405	.74376	.05	1	20
Pentachlorophenol	.50	44.389	.05	-11	20
Phenanthrene	1.0935	1.0957	.05	0	20
Anthracene	1.1002	1.1087	.05	1	20
Carbazole	1.0454	1.0331	.05	-1	20
Di-n-butylphthalate	1.2445	1.2516	.05	1	20
Fluoranthene	1.2584	1.2999	.05	3	20
Benzidine	.87648	.88549	.05	1	20
Pyrene	1.4354	1.4455	.05	1	20
Butyl benzyl phthalate	.61641	.65569	.05	6	20
Bis (2-ethylhexyl) adipate	2.0354	2.2987	.05	13	20
3,3'-Dichlorobenzidine	.45346	.46144	.05	2	20
Benzo(a)anthracene	1.0327	.99749	.05	-3	20
Chrysene	.98184	1.0106	.05	3	20
Bis(2-ethylhexyl)phthalate	.58081	.59239	.05	2	20
Di-n-octylphthalate	.95258	.99458	.05	4	20
Benzo(b)fluoranthene	1.0121	1.0603	.05	5	20
Benzo(k)fluoranthene	.97162	1.033	.05	6	20
Benzo(a)pyrene	.96605	.95396	.05	-1	20
Indeno(1,2,3-cd)pyrene	1.1139	1.1240	.05	1	20

FORM VII NYTCL-8270

7B

Lab Name: Alpha Analytical Labs

SDG No. : L1013017

Instrument ID: Juliet.i Calibration Date: 25-AUG-2010 Time: 06:11

Lab File ID: abn050.D Init. Calib. Date(s): 23-AUG-2010 23-AUG-2010

Sample No: abn icv/ccv lot Init. Calib. Times : 13:41 19:53

[illegible]

FORM VII NYTCL-8270

7B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: Juliet.i Calibration Date: 25-AUG-2010 Time: 06:36

Lab File ID: ap950.D Init. Calib. Date(s): 23-AUG-2010 23-AUG-2010

Sample No: ap9 icv/cc lot# Init. Calib. Times : 13:41 19:53

[illegible]

FORM VII NYTCL-8270

7B
SEMIVOLATILE ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: Juliet.i Calibration Date: 27-AUG-2010 Time: 10:37

Lab File ID: abn050.D Init. Calib. Date(s): 23-AUG-2010 23-AUG-2010

Sample No: abn icv/ccv lot Init. Calib. Times : 13:41 19:53

Compound	RRF	RRF	MIN RRF	%D	MAX %D
n-Nitrosodimethylamine	.59768	.53408	.05	-11	20
Pyridine	1.1094	1.1225	.05	1	20
Phenol	1.4667	1.4488	.05	-1	20
Aniline	1.7671	1.6598	.05	-6	20
Bis(2-chloroethyl)ether	1.0228	.87435	.05	-15	20
2-Chlorophenol	1.3469	1.2321	.05	-9	20
1,3-Dichlorobenzene	1.5149	1.3928	.05	-8	20
1,4-Dichlorobenzene	1.5358	1.4936	.05	-3	20
Benzyl alcohol	1.0018	.98776	.05	-1	20
1,2-Dichlorobenzene	1.4432	1.4380	.05	0	20
2-Methylphenol	1.1258	1.0951	.05	-3	20
Bis(2-chloroisopropyl)ether	1.0178	.90966	.05	-11	20
3-Methylphenol/4-Methylphen	1.2327	1.2178	.05	-1	20
n-Nitrosodi-n-propylamine	.7984	.75429	.05	-6	20
Hexachloroethane	.60918	.58231	.05	-4	20
Nitrobenzene	.32267	.29556	.05	-8	20
Isophorone	2.2105	2.2583	.05	2	20
2-Nitrophenol	.76361	.72329	.05	-5	20
2,4-Dimethylphenol	1.2961	1.4000	.05	8	20
Bis(2-chloroethoxy)methane	1.3263	1.2922	.05	-3	20
Benzoic acid	.26814	.24199	.05	-10	20
2,4-Dichlorophenol	.3355	.3389	.05	1	20
1,2,4-Trichlorobenzene	.40428	.41948	.05	4	20
Naphthalene	1.0137	.94701	.05	-7	20
4-Chloroaniline	.11042	.11708	.05	6	20
Hexachlorobutadiene	.25749	.2635	.05	2	20
p-Chloro-m-cresol	.31133	.30771	.05	-1	20
2-Methylnaphthalene	.72103	.74299	.05	3	20
1-Methylnaphthalene	.25702	.26157	.05	2	20
Hexachlorocyclopentadiene	.27654	.27008	.05	-2	20
2,4,6-Trichlorophenol	.28115	.29448	.05	5	20
2,4,5-Trichlorophenol	.30254	.31616	.05	5	20
2-Chloronaphthalene	.75539	.7206	.05	-5	20
2-Nitroaniline	.2572	.26544	.05	3	20
1,4-Dinitrobenzene	.17177	.17659	.05	3	20
Dimethyl phthalate	1.3191	1.2911	.05	-2	20
1,3-Dinitrobenzene	.20585	.22338	.05	9	20
2,6-Dinitrotoluene	.20813	.22193	.05	7	20

FORM VII NYTCL-8270

7B
SEMIVOLATILE ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: Juliet.i Calibration Date: 27-AUG-2010 Time: 10:37

Lab File ID: abn050.D Init. Calib. Date(s): 23-AUG-2010 23-AUG-2010

Sample No: abn icv/ccv lot Init. Calib. Times : 13:41 19:53

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,2-Dinitrobenzene	.1247	.12775	.05	2	20
Acenaphthylene	1.2016	1.1495	.05	-4	20
3-Nitroaniline	.33612	.34375	.05	2	20
Acenaphthene	1.0327	.98161	.05	-5	20
2,4-Dinitrophenol	.50	44.336	.05	-11	20
4-Nitrophenol	.20349	.18885	.05	-7	20
2,4-Dinitrotoluene	.38563	.38219	.05	-1	20
Dibenzofuran	1.5738	1.4687	.05	-7	20
2,3,4,6-Tetrachlorophenol	.40016	.41732	.05	4	20
2,3,5,6-Tetrachlorophenol	.432	.42615	.05	-1	20
Diethyl phthalate	1.3855	1.3679	.05	-1	20
4-Chlorophenyl phenyl ether	.69609	.67635	.05	-3	20
Fluorene	1.3164	1.2263	.05	-7	20
4-Nitroaniline	.33857	.33983	.05	0	20
4,6-Dinitro-o-cresol	.26185	.28048	.05	7	20
NDPA/DPA	1.1356	1.1361	.05	0	20
Azobenzene	1.0312	1.0596	.05	3	20
4-Bromophenyl phenyl ether	.53211	.54726	.05	3	20
Hexachlorobenzene	.73405	.74768	.05	2	20
Pentachlorophenol	.50	51.799	.05	4	20
Phenanthrene	1.0935	.9984	.05	-9	20
Anthracene	1.1002	1.0912	.05	-1	20
Carbazole	1.0454	.98597	.05	-6	20
Di-n-butylphthalate	1.2445	1.1931	.05	-4	20
Fluoranthene	1.2584	1.2765	.05	1	20
Benzidine	.87648	.88703	.05	1	20
Pyrene	1.4354	1.3755	.05	-4	20
Butyl benzyl phthalate	.61641	.60842	.05	-1	20
Bis (2-ethylhexyl) adipate	2.0354	2.3499	.05	15	20
3,3'-Dichlorobenzidine	.45346	.46577	.05	3	20
Benzo(a)anthracene	1.0327	1.0328	.05	0	20
Chrysene	.98184	.98203	.05	0	20
Bis(2-ethylhexyl)phthalate	.58081	.59058	.05	2	20
Di-n-octylphthalate	.95258	1.0617	.05	11	20
Benzo(b)fluoranthene	1.0121	.95055	.05	-6	20
Benzo(k)fluoranthene	.97162	1.0263	.05	6	20
Benzo(a)pyrene	.96605	.96513	.05	0	20
Indeno(1,2,3-cd)pyrene	1.1139	1.0679	.05	-4	20

FORM VII NYTCL-8270

7B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: Juliet.i Calibration Date: 27-AUG-2010 Time: 10:37

Lab File ID: abn050.D Init. Calib. Date(s): 23-AUG-2010 23-AUG-2010

Sample No: abn icv/ccv lot Init. Calib. Times : 13:41 19:53

[illegible]

FORM VII NYTCL-8270

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Juliet.i Injection Date: 25-AUG-2010 06:11
Lab File ID: abn050.D Init. Cal. Date(s): 23-AUG-2010 23-AUG-2010
Analysis Type: Init. Cal. Times: 13:41 19:53
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825.b\HP2ABNv2.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 n-Nitrosodimethylamine	0.59768	0.65762	0.65762	0.050	10.02723	20.00000	Averaged
2 Pyridine	1.10944	1.20896	1.20896	0.050	8.97005	20.00000	Averaged
\$ 3 2-Fluorophenol	1.18882	1.27650	1.27650	0.050	7.37536	20.00000	Averaged
\$ 7 Phenol-d6	1.44077	1.52138	1.52138	0.050	5.59479	20.00000	Averaged
8 Phenol	1.46671	1.61922	1.61922	0.050	10.39843	20.00000	Averaged
9 Aniline	1.76716	1.87106	1.87106	0.050	5.87920	20.00000	Averaged
11 Bis(2-chloroethyl)ether	1.02287	1.06296	1.06296	0.050	3.91904	20.00000	Averaged
12 2-Chlorophenol	1.34691	1.41801	1.41801	0.050	5.27860	20.00000	Averaged
13 1,3-Dichlorobenzene	1.51495	1.56111	1.56111	0.050	3.04738	20.00000	Averaged
16 1,4-Dichlorobenzene	1.53587	1.53978	1.53978	0.050	0.25443	20.00000	Averaged
17 Benzyl alcohol	1.00180	1.07392	1.07392	0.050	7.19857	20.00000	Averaged
18 1,2-Dichlorobenzene	1.44328	1.51328	1.51328	0.050	4.85041	20.00000	Averaged
19 2-Methylphenol	1.12589	1.22842	1.22842	0.050	9.10670	20.00000	Averaged
20 Bis(2-chloroisopropyl)ether	1.01787	1.08264	1.08264	0.050	6.36308	20.00000	Averaged
22 3-Methylphenol/4-Methylphen	1.23278	1.32466	1.32466	0.050	7.45258	20.00000	Averaged
24 n-Nitrosodi-n-propylamine	0.79840	0.80589	0.80589	0.050	0.93876	20.00000	Averaged
26 Hexachloroethane	0.60918	0.62668	0.62668	0.050	2.87271	20.00000	Averaged
\$ 28 Nitrobenzene-d5	1.25337	1.29998	1.29998	0.050	3.71848	20.00000	Averaged
29 Nitrobenzene	0.32267	0.31278	0.31278	0.050	-3.06404	20.00000	Averaged
30 Isophorone	2.21058	2.41916	2.41916	0.050	9.43551	20.00000	Averaged
32 2-Nitrophenol	0.76361	0.79961	0.79961	0.050	4.71449	20.00000	Averaged
33 2,4-Dimethylphenol	1.29619	1.48369	1.48369	0.050	14.46587	20.00000	Averaged
36 Bis(2-chloroethoxy)methane	1.32632	1.37784	1.37784	0.050	3.88467	20.00000	Averaged
34 Benzoic acid	0.26814	0.23667	0.23667	0.050	-11.73936	20.00000	Averaged
37 2,4-Dichlorophenol	0.33550	0.34201	0.34201	0.050	1.94010	20.00000	Averaged
38 1,2,4-Trichlorobenzene	0.40428	0.40493	0.40493	0.050	0.16227	20.00000	Averaged
40 Naphthalene	1.01377	0.98218	0.98218	0.050	-3.11644	20.00000	Averaged
43 4-Chloroaniline	0.11042	0.11153	0.11153	0.050	1.00635	20.00000	Averaged
44 Hexachlorobutadiene	0.25749	0.25739	0.25739	0.050	-0.03921	20.00000	Averaged
50 p-Chloro-m-cresol	0.31133	0.31095	0.31095	0.050	-0.12302	20.00000	Averaged
51 2-Methylnaphthalene	0.72103	0.71521	0.71521	0.050	-0.80619	20.00000	Averaged
53 1-Methylnaphthalene	0.25702	0.25084	0.25084	0.050	-2.40266	20.00000	Averaged
55 Hexachlorocyclopentadiene	0.27654	0.26458	0.26458	0.050	-4.32271	20.00000	Averaged
56 2,4,6-Trichlorophenol	0.28115	0.27289	0.27289	0.050	-2.93923	20.00000	Averaged
57 2,4,5-Trichlorophenol	0.30254	0.31655	0.31655	0.050	4.63095	20.00000	Averaged
\$ 58 2-Fluorobiphenyl	0.91385	0.81606	0.81606	0.050	-10.70109	20.00000	Averaged
60 2-Chloronaphthalene	0.75539	0.71290	0.71290	0.050	-5.62593	20.00000	Averaged
62 2-Nitroaniline	0.25720	0.26220	0.26220	0.050	1.94460	20.00000	Averaged
65 1,4-Dinitrobenzene	0.17177	0.18823	0.18823	0.050	9.58417	20.00000	Averaged
66 Dimethyl phthalate	1.31913	1.29907	1.29907	0.050	-1.52093	20.00000	Averaged
67 1,3-Dinitrobenzene	0.20585	0.21988	0.21988	0.050	6.81462	20.00000	Averaged
69 2,6-Dinitrotoluene	0.20813	0.20271	0.20271	0.050	-2.60289	20.00000	Averaged
68 1,2-Dinitrobenzene	0.12470	0.12605	0.12605	0.050	1.08392	20.00000	Averaged

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Juliet.i Injection Date: 25-AUG-2010 06:11
Lab File ID: abn050.D Init. Cal. Date(s): 23-AUG-2010 23-AUG-2010
Analysis Type: Init. Cal. Times: 13:41 19:53
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825.b\HP2ABNv2.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
70 Acenaphthylene	1.20161	1.10714	1.10714	0.050	-7.86140	20.00000	Averaged
72 3-Nitroaniline	0.33612	0.34805	0.34805	0.050	3.54864	20.00000	Averaged
75 Acenaphthene	1.03270	1.01768	1.01768	0.050	-1.45437	20.00000	Averaged
76 2,4-Dinitrophenol	50.00000	45.49301	0.17540	0.050	-9.01397	20.00000	Linear
77 4-Nitrophenol	0.20349	0.21860	0.21860	0.050	7.42803	20.00000	Averaged
80 2,4-Dinitrotoluene	0.38563	0.39605	0.39605	0.050	2.70249	20.00000	Averaged
78 Dibenzofuran	1.57382	1.54231	1.54231	0.050	-2.00213	20.00000	Averaged
81 2,3,4,6-Tetrachlorophenol	0.40016	0.40874	0.40874	0.050	2.14206	20.00000	Averaged
82 2,3,5,6-Tetrachlorophenol	0.43200	0.40915	0.40915	0.050	-5.28934	20.00000	Averaged
83 Diethyl phthalate	1.38554	1.29684	1.29684	0.050	-6.40170	20.00000	Averaged
84 4-Chlorophenyl phenyl ether	0.69609	0.64706	0.64706	0.050	-7.04309	20.00000	Averaged
85 Fluorene	1.31646	1.23186	1.23186	0.050	-6.42681	20.00000	Averaged
86 4-Nitroaniline	0.33857	0.32520	0.32520	0.050	-3.94764	20.00000	Averaged
87 4,6-Dinitro-o-cresol	0.26185	0.24467	0.24467	0.050	-6.56300	20.00000	Averaged
88 NDPA/DPA	1.13563	1.07069	1.07069	0.050	-5.71819	20.00000	Averaged
89 Azobenzene	1.03129	1.02110	1.02110	0.050	-0.98780	20.00000	Averaged
91 2,4,6-Tribromophenol	0.23904	0.24176	0.24176	0.050	1.13464	20.00000	Averaged
94 4-Bromophenyl phenyl ether	0.53211	0.50436	0.50436	0.050	-5.21572	20.00000	Averaged
97 Hexachlorobenzene	0.73405	0.74376	0.74376	0.050	1.32168	20.00000	Averaged
100 Pentachlorophenol	50.00000	44.38991	0.16674	0.050	-11.22018	20.00000	Linear
103 Phenanthrene	1.09351	1.09574	1.09574	0.050	0.20472	20.00000	Averaged
104 Anthracene	1.10022	1.10878	1.10878	0.050	0.77765	20.00000	Averaged
106 Carbazole	1.04543	1.03319	1.03319	0.050	-1.17110	20.00000	Averaged
109 Di-n-butylphthalate	1.24456	1.25165	1.25165	0.050	0.57005	20.00000	Averaged
115 Fluoranthene	1.25844	1.29995	1.29995	0.050	3.29877	20.00000	Averaged
117 Benzidine	0.87648	0.88549	0.88549	0.050	1.02708	20.00000	Averaged
119 Pyrene	1.43541	1.44556	1.44556	0.050	0.70715	20.00000	Averaged
120 4-Terphenyl-d14	1.07032	1.01468	1.01468	0.050	-5.19844	20.00000	Averaged
122 Butyl benzyl phthalate	0.61641	0.65569	0.65569	0.050	6.37316	20.00000	Averaged
124 Bis (2-ethylhexyl) adipate	2.03545	2.29879	2.29879	0.050	12.93761	20.00000	Averaged
127 3,3'-Dichlorobenzidine	0.45346	0.46144	0.46144	0.050	1.75968	20.00000	Averaged
128 Benzo(a)anthracene	1.03274	0.99749	0.99749	0.050	-3.41338	20.00000	Averaged
131 Chrysene	0.98184	1.01060	1.01060	0.050	2.92907	20.00000	Averaged
132 Bis(2-ethylhexyl)phthalate	0.58081	0.59239	0.59239	0.050	1.99455	20.00000	Averaged
137 Di-n-octylphthalate	0.95258	0.99458	0.99458	0.050	4.40930	20.00000	Averaged
138 Benzo(b)fluoranthene	1.01210	1.06033	1.06033	0.050	4.76573	20.00000	Averaged
139 Benzo(k)fluoranthene	0.97162	1.03300	1.03300	0.050	6.31698	20.00000	Averaged
141 Benzo(a)pyrene	0.96605	0.95396	0.95396	0.050	-1.25118	20.00000	Averaged
146 Indeno(1,2,3-cd)pyrene	1.11398	1.12406	1.12406	0.050	0.90490	20.00000	Averaged
147 Dibenzo(a,h)anthracene	1.06478	1.15155	1.15155	0.050	8.14920	20.00000	Averaged
149 Benzo(ghi)perylene	1.15303	1.19542	1.19542	0.050	3.67634	20.00000	Averaged

Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825.b\abn050.D

Lab Smp Id:

Inj Date : 25-AUG-2010 06:11

Operator : jb

Inst ID: Juliet.i

Smp Info : abn icv/ccv lot#3040

Misc Info : ,ICAL5274

Comment : Rev. 071219 (Megamix ICAL)

Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825.b\HP2ABNv2.m

Meth Date : 26-Aug-2010 05:42 Juliet.i

Quant Type: ISTD

Cal Date : 23-AUG-2010 18:39

Cal File: ap9l5.D

Als bottle: 96

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: 8270ical.sub

Target Version: 4.12

Processing Host: EXT-3

						AMOUNTS			
		QUANT SIG					CAL -AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
1 n-Nitrosodimethylamine	74	1.974	1.974	(0.477)	160902	50.0000	55.0		
2 Pyridine	79	2.006	2.006	(0.485)	295802	50.0000	54.5		
\$ 3 2-Fluorophenol	112	3.075	3.075	(0.744)	312327	50.0000	53.7		
\$ 7 Phenol-d6	99	3.862	3.862	(0.934)	372243	50.0000	52.8		
8 Phenol	94	3.872	3.872	(0.937)	396183	50.0000	55.2		
9 Aniline	93	3.856	3.856	(0.933)	457801	50.0000	52.9		
11 Bis(2-chloroethyl)ether	93	3.910	3.910	(0.946)	260080	50.0000	52.0		
12 2-Chlorophenol	128	3.969	3.969	(0.960)	346952	50.0000	52.6		
13 1,3-Dichlorobenzene	146	4.086	4.086	(0.988)	381965	50.0000	51.5		
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	195740	40.0000			
16 1,4-Dichlorobenzene	146	4.145	4.145	(1.003)	376745	50.0000	50.1		
17 Benzyl alcohol	79	4.257	4.257	(1.030)	262761	50.0000	53.6		
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	370262	50.0000	52.4		
19 2-Methylphenol	108	4.375	4.375	(1.058)	300564	50.0000	54.6		
20 Bis(2-chloroisopropyl)ether	45	4.370	4.370	(1.057)	264894	50.0000	53.2		
22 3-Methylphenol/4-Methylphenol	108	4.509	4.509	(1.091)	324111	50.0000	53.7		
24 n-Nitrosodi-n-propylamine	70	4.482	4.482	(1.084)	197182	50.0000	50.5		
26 Hexachloroethane	117	4.562	4.562	(1.103)	153333	50.0000	51.4		
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	318072	50.0000	51.8		
29 Nitrobenzene	77	4.621	4.621	(0.884)	304703	50.0000	48.5		
30 Isophorone	82	4.830	4.830	(1.168)	591909	50.0000	54.7		
32 2-Nitrophenol	139	4.899	4.899	(1.185)	195644	50.0000	52.4		
33 2,4-Dimethylphenol	107	4.958	4.958	(1.199)	363023	50.0000	57.2		
36 Bis(2-chloroethoxy)methane	93	5.017	5.017	(1.213)	337124	50.0000	51.9		
34 Benzoic acid	105	5.070	5.070	(0.970)	230552	50.0000	44.1		
37 2,4-Dichlorophenol	162	5.124	5.124	(0.981)	333178	50.0000	51.0		
38 1,2,4-Trichlorobenzene	180	5.183	5.183	(0.992)	394474	50.0000	50.1		
* 39 Naphthalene-d8	136	5.226	5.226	(1.000)	779333	40.0000			
40 Naphthalene	128	5.247	5.247	(1.004)	956805	50.0000	48.4		
43 4-Chloroaniline	65	5.295	5.295	(1.013)	108649	50.0000	50.5		
44 Hexachlorobutadiene	225	5.359	5.359	(1.026)	250740	50.0000	50.0		
50 p-Chloro-m-cresol	107	5.744	5.744	(1.099)	302915	50.0000	49.9		
51 2-Methylnaphthalene	142	5.846	5.846	(1.119)	696736	50.0000	49.6		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL	RT	EXP RT	REL RT	RESPONSE	
=====	=====	(ng)	(ng)	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.932	5.932 (1.135)	244361	50.0000	48.8		
55 Hexachlorocyclopentadiene	237	5.990	5.990 (1.146)	257749	50.0000	47.8		
56 2,4,6-Trichlorophenol	196	6.103	6.103 (1.168)	265839	50.0000	48.5		
57 2,4,5-Trichlorophenol	196	6.140	6.140 (1.175)	308374	50.0000	52.3		
\$ 58 2-Fluorobiphenyl	172	6.167	6.167 (1.180)	794976	50.0000	44.6		
60 2-Chloronaphthalene	162	6.269	6.269 (1.200)	694479	50.0000	47.2		
62 2-Nitroaniline	138	6.365	6.365 (1.218)	255423	50.0000	51.0		
65 1,4-Dinitrobenzene	168	6.482	6.482 (0.960)	124340	50.0000	54.8		
66 Dimethyl phthalate	163	6.525	6.525 (0.966)	858143	50.0000	49.2		
67 1,3-Dinitrobenzene	168	6.552	6.552 (0.970)	145247	50.0000	53.4		
69 2,6-Dinitrotoluene	165	6.573	6.573 (1.258)	197475	50.0000	48.7		
68 1,2-Dinitrobenzene	168	6.622	6.622 (0.980)	83266	50.0000	50.5		
70 Acenaphthylene	152	6.627	6.627 (1.268)	1078541	50.0000	46.1		
72 3-Nitroaniline	138	6.723	6.723 (0.995)	229917	50.0000	51.8		
* 74 Acenaphthene-d10	164	6.755	6.755 (1.000)	528466	40.0000			
75 Acenaphthene	154	6.782	6.782 (1.004)	672259	50.0000	49.3		
76 2,4-Dinitrophenol	184	6.814	6.814 (1.009)	115864	50.0000	45.5		
77 4-Nitrophenol	65	6.910	6.910 (1.023)	144406	50.0000	53.7		
80 2,4-Dinitrotoluene	165	6.926	6.926 (1.025)	261623	50.0000	51.4		
78 Dibenzofuran	168	6.932	6.932 (1.026)	1018826	50.0000	49.0		
81 2,3,4,6-Tetrachlorophenol	232	7.012	7.012 (1.038)	270004	50.0000	51.1		
82 2,3,5,6-Tetrachlorophenol	232	7.055	7.055 (1.044)	270280	50.0000	47.4		
83 Diethyl phthalate	149	7.140	7.140 (1.057)	856668	50.0000	46.8		
84 4-Chlorophenyl phenyl ether	204	7.231	7.231 (1.070)	427437	50.0000	46.5		
85 Fluorene	166	7.231	7.231 (1.070)	813744	50.0000	46.8		
86 4-Nitroaniline	138	7.258	7.258 (1.074)	214822	50.0000	48.0		
87 4,6-Dinitro-o-cresol	198	7.290	7.290 (1.079)	161624	50.0000	46.7		
88 NDPA/DPA	169	7.338	7.338 (1.086)	707280	50.0000	47.1		
89 Azobenzene	77	7.370	7.370 (1.091)	674520	50.0000	49.5		
\$ 91 2,4,6-Tribromophenol	330	7.445	7.445 (0.925)	297441	50.0000	50.6		
94 4-Bromophenyl phenyl ether	248	7.659	7.659 (1.134)	333171	50.0000	47.4		
97 Hexachlorobenzene	284	7.718	7.718 (1.143)	491312	50.0000	50.7		
100 Pentachlorophenol	266	7.900	7.900 (0.981)	205141	50.0000	44.4		
* 102 Phenanthrene-d10	188	8.050	8.050 (1.000)	984265	40.0000			
103 Phenanthrene	178	8.071	8.071 (1.003)	1348129	50.0000	50.1		
104 Anthracene	178	8.114	8.114 (1.008)	1364163	50.0000	50.4		
106 Carbazole	167	8.258	8.258 (1.026)	1271163	50.0000	49.4		
109 Di-n-butylphthalate	149	8.568	8.568 (1.064)	1539947	50.0000	50.3		
115 Fluoranthene	202	9.135	9.135 (1.135)	1599368	50.0000	51.6		
117 Benzidine	184	9.269	9.269 (1.151)	1089441	50.0000	50.5		
119 Pyrene	202	9.360	9.360 (1.163)	1778521	50.0000	50.4		
\$ 120 4-Terphenyl-d14	244	9.531	9.531 (1.184)	1248390	50.0000	47.4		
122 Butyl benzyl phthalate	149	10.125	10.125 (1.258)	806717	50.0000	53.2		
124 Bis (2-ethylhexyl) adipate	129	10.248	10.248 (2.478)	562457	50.0000	56.5		
127 3,3'-Dichlorobenzidine	252	10.842	10.842 (0.997)	858764	50.0000	50.9		
128 Benzo(a)anthracene	228	10.858	10.858 (0.999)	1856398	50.0000	48.3		
* 129 Chrysene-d12	240	10.874	10.874 (1.000)	1488854	40.0000			
131 Chrysene	228	10.911	10.911 (1.003)	1880791	50.0000	51.5		
132 Bis(2-ethylhexyl)phthalate	149	10.965	10.965 (1.008)	1102482	50.0000	51.0		
137 Di-n-octylphthalate	149	12.029	12.029 (1.106)	1850989	50.0000	52.2		
138 Benzo(b)fluoranthene	252	12.564	12.564 (0.952)	2392127	50.0000	52.4		
139 Benzo(k)fluoranthene	252	12.607	12.607 (0.955)	2330467	50.0000	53.2		
141 Benzo(a)pyrene	252	13.099	13.099 (0.993)	2152163	50.0000	49.4		
* 143 Perylene-d12	264	13.195	13.195 (1.000)	1804816	40.0000			

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	14.981	14.981	(1.135)	2535897	50.0000	50.4	
147 Dibenzo(a,h)anthracene	278	15.024	15.024	(1.139)	2597919	50.0000	54.1	
149 Benzo(ghi)perylene	276	15.399	15.399	(1.167)	2696900	50.0000	51.8	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Juliet.i Calibration Date: 25-AUG-2010
 Lab File ID: abn050.D Calibration Time: 06:36
 Lab Smp Id:
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825.b\HP2ABNv2.m
 Misc Info: ,ICAL5274

Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	253053	126527	506106	195740	-22.65
39 Naphthalene-d8	1005602	502801	2011204	779333	-22.50
74 Acenaphthene-d10	639767	319884	1279534	528466	-17.40
102 Phenanthrene-d10	1268492	634246	2536984	984265	-22.41
129 Chrysene-d12	1894731	947366	3789462	1488854	-21.42
143 Perylene-d12	2338651	1169326	4677302	1804816	-22.83

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.76	0.08
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	-0.00
129 Chrysene-d12	10.86	10.36	11.36	10.87	0.10
143 Perylene-d12	13.20	12.70	13.70	13.20	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 25-AUG-2010 06:11

Client ID:

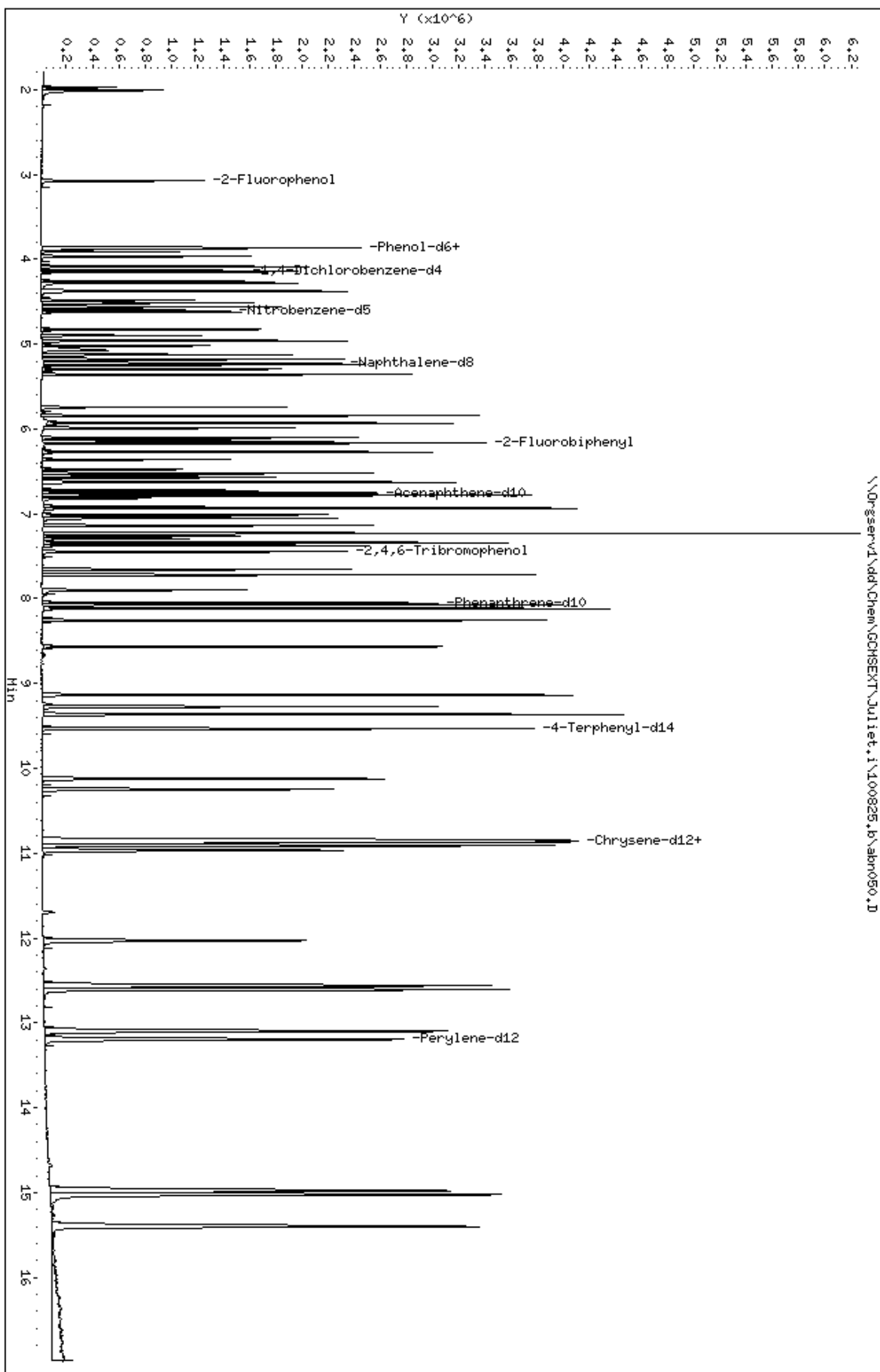
Sample Info: abn icw/ccw lot#3040

Instrument: Juliet.i

Column phase: RTX-5

Operator: jlb

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825.b\ap950.D
Lab Smp Id:
Inj Date : 25-AUG-2010 06:36
Operator : jb Inst ID: Juliet.i
Smp Info : ap9 icv/cc lot#2996
Misc Info : ,ICAL5274
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825.b\HP2ABNv2.m
Meth Date : 26-Aug-2010 05:42 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 18:39 Cal File: ap9l5.D
Als bottle: 97 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ap9short.sub
Target Version: 4.12
Processing Host: EXT-3

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
5 Benzaldehyde	105	3.760	3.760	(0.909)	144054	50.0000	41.4	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	189291	40.0000		
23 Acetophenone	105	4.471	4.471	(1.081)	401967	50.0000	52.7	
25 m-Toluidine	106	4.546	4.546	(1.100)	184306	50.0000	42.8	
31 2-Chloroaniline	127	4.867	4.867	(1.177)	403541	50.0000	51.2	
* 39 Naphthalene-d8	136	5.225	5.225	(1.000)	726069	40.0000		
42 a-Terpineol	59	5.258	5.258	(1.006)	119731	50.0000	48.3	
41 3-Chloroaniline	65	5.279	5.279	(1.010)	80646	50.0000	47.0	
46 1-chloro-2-nitrobenzene	111	5.530	5.530	(1.338)	128383	50.0000	49.6	
47 Caprolactam	55	5.579	5.579	(1.068)	100614	50.0000	49.6	
54 1,2,4,5-Tetrachlorobenzene	216	5.996	5.996	(0.888)	378383	50.0000	50.6	
59 Biphenyl	154	6.252	6.252	(0.926)	791486	50.0000	51.0	
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	475154	40.0000		
96 Dimethoate	87	7.739	7.739	(1.147)	270386	50.0000	56.7	
98 Dichloran	206	7.766	7.766	(1.151)	123248	50.0000	52.0	
99 Atrazine	200	7.804	7.804	(0.969)	22022	50.0000	46.3	
101 Pentachloronitrobenzene	237	7.905	7.905	(1.171)	149494	50.0000	54.2	
* 102 Phenanthrene-d10	188	8.050	8.050	(1.000)	904238	40.0000		
111 Diphenamid	167	8.836	8.836	(1.098)	579641	50.0000	52.2	
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1362412	40.0000		
140 Benzo(e)pyrene	252	13.013	13.013	(0.986)	2019248	50.0000	53.2	
* 143 Perylene-d12	264	13.195	13.195	(1.000)	1661748	40.0000		
144 Perylene	252	13.243	13.243	(1.004)	1970469	50.0000	52.7	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i

Lab File ID: ap950.D

Lab Smp Id:

Analysis Type: SV

Quant Type: ISTD

Operator: jb

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825.b\HP2ABNv2.m

Misc Info: ,ICAL5274

Calibration Date: 25-AUG-2010

Calibration Time: 06:11

Level:

Sample Type:

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	253053	126527	506106	189291	-25.20
39 Naphthalene-d8	1005602	502801	2011204	726069	-27.80
74 Acenaphthene-d10	639767	319884	1279534	475154	-25.73
102 Phenanthrene-d10	1268492	634246	2536984	904238	-28.72
129 Chrysene-d12	1894731	947366	3789462	1362412	-28.09
143 Perylene-d12	2338651	1169326	4677302	1661748	-28.94

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	-0.00
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	-0.00
129 Chrysene-d12	10.86	10.36	11.36	10.86	-0.00
143 Perylene-d12	13.20	12.70	13.70	13.20	-0.00

AREA UPPER LIMIT = +100% of internal standard area.

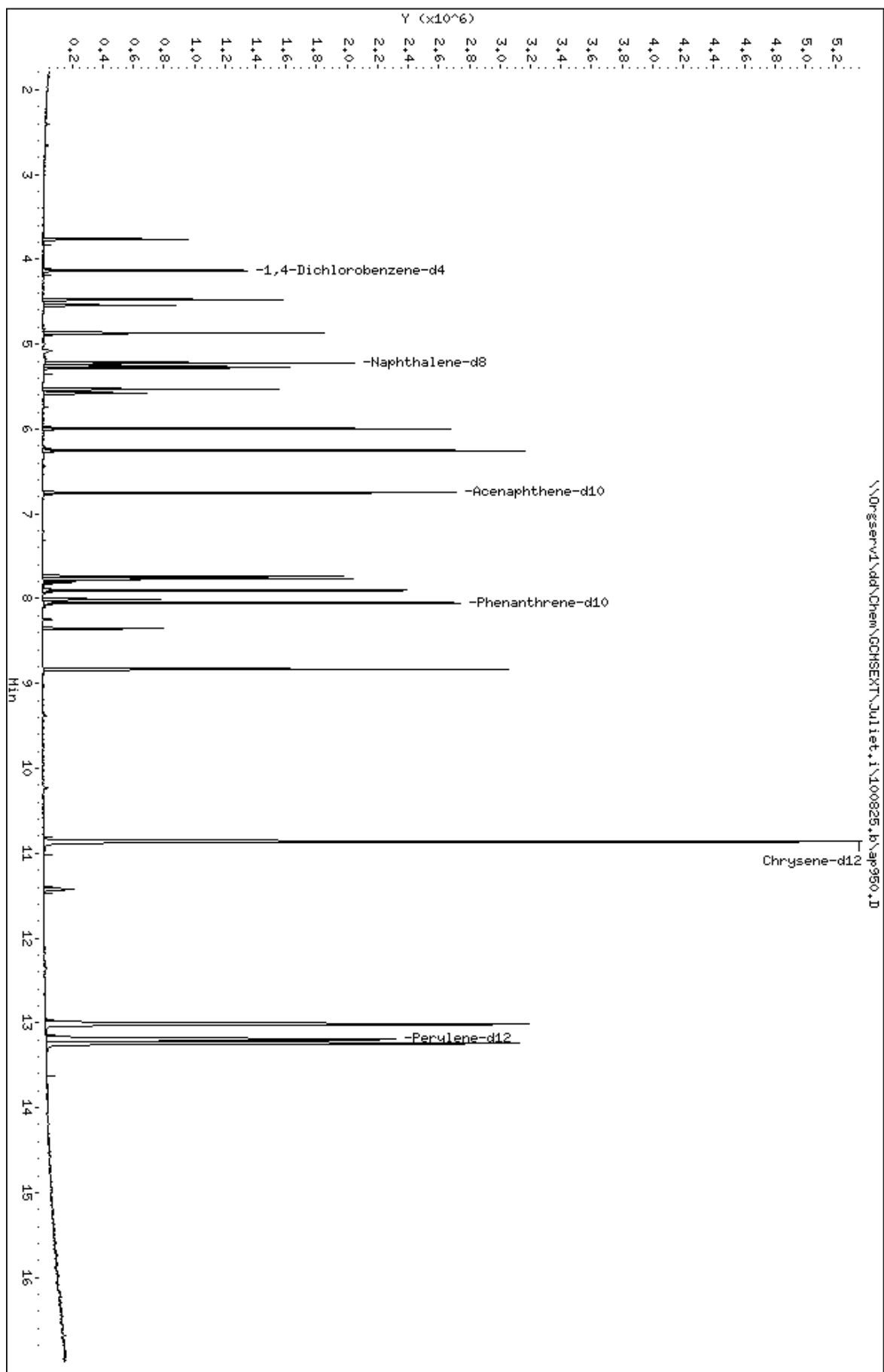
AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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Date : 25-AUG-2010 06:36
Client ID:
Sample Info: ap9 icw/cc lot#2996
Column phase: RTX-5

Instrument: Juliet.i
Operator: jlb
Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825.b\deg0825.D
 Lab Smp Id:
 Inj Date : 25-AUG-2010 05:51
 Operator : jb Inst ID: Juliet.i
 Smp Info : dftpp
 Misc Info :
 Comment :
 Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825.b\DDT.m
 Meth Date : 24-Aug-2010 13:08 hlac Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 100 QC Sample: DFTPP-DEG
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.12
 Processing Host: EXT-3

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
		MASS	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL	
=====	=====	=====	=====	=====	=====	=====	(ng)	(ng)	=====
4 4,4'-DDE	246					Compound Not Detected.			
5 4,4'-DDD	235					Compound Not Detected.			
6 4,4'-DDT	235		9.939	9.939	0.000	436695			

DDT Degradation Percent = 0.000

Data File: \\Drgeerv1\dd\Chem\GCHSEXT\Juliet.i\100825.b\deg0825.D

Date : 25-AUG-2010 05:51

Client ID:

Sample Info: dfbpe

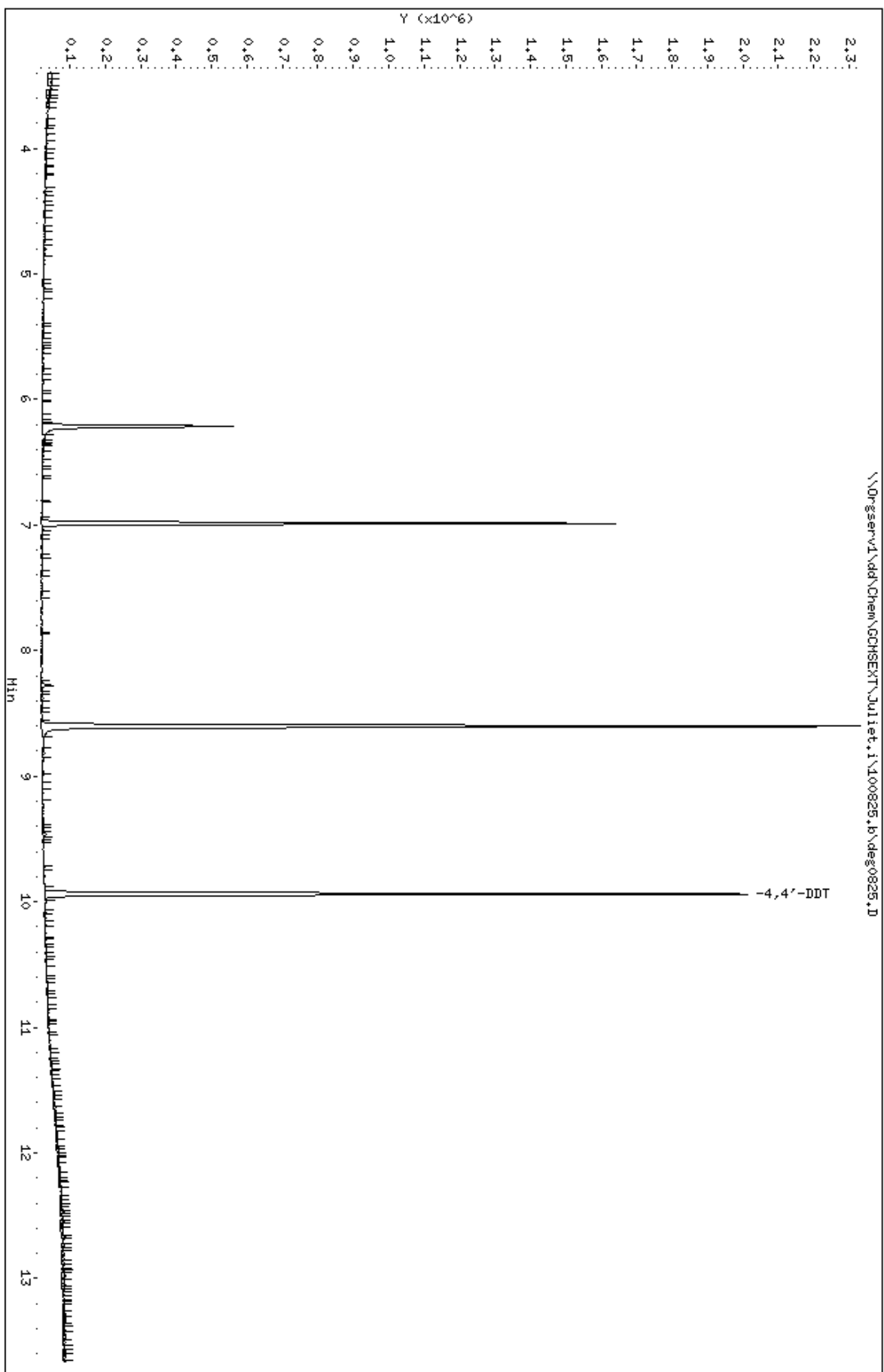
Column phase: RTX-5

Instrument: Juliet.i

Operator: jlb

Column diameter: 0.32

Page 2



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825.b\deg0825.D
 Lab Smp Id :
 Inj Date : 25-AUG-2010 05:51
 Operator : jb Inst ID: Juliet.i
 Smp Info : dftpp
 Misc Info :
 Comment :
 Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825.b\DDT.m
 Meth Date : 24-Aug-2010 13:08 hlac Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 100 QC Sample: DFTPP-DEG
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.12
 Processing Host: EXT-3

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
		MASS	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ng)	FINAL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 4,4'-DDE	246					Compound Not Detected.			
5 4,4'-DDD	235					Compound Not Detected.			
6 4,4'-DDT	235		9.939	9.939	0.000	436695			

DDT Degradation Percent = 0.000

Data File: \\Drgeerv1\dd\Chem\GCHSEXT\Juliet.i\100825.b\deg0825.D

Date : 25-AUG-2010 05:51

Client ID:

Sample Info: dfbpe

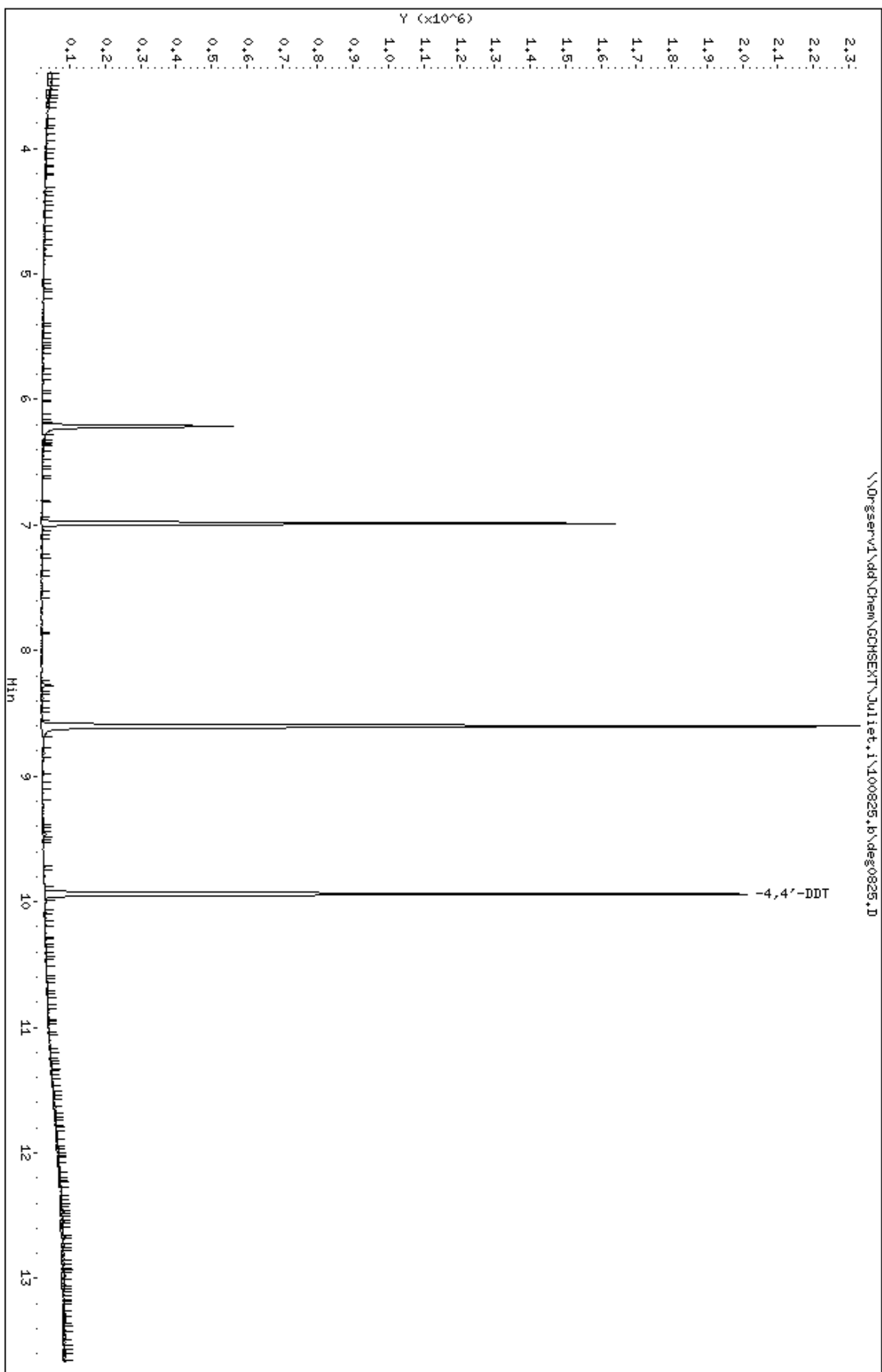
Column phase: RTX-5

Instrument: Juliet.i

Operator: jlb

Column diameter: 0.32

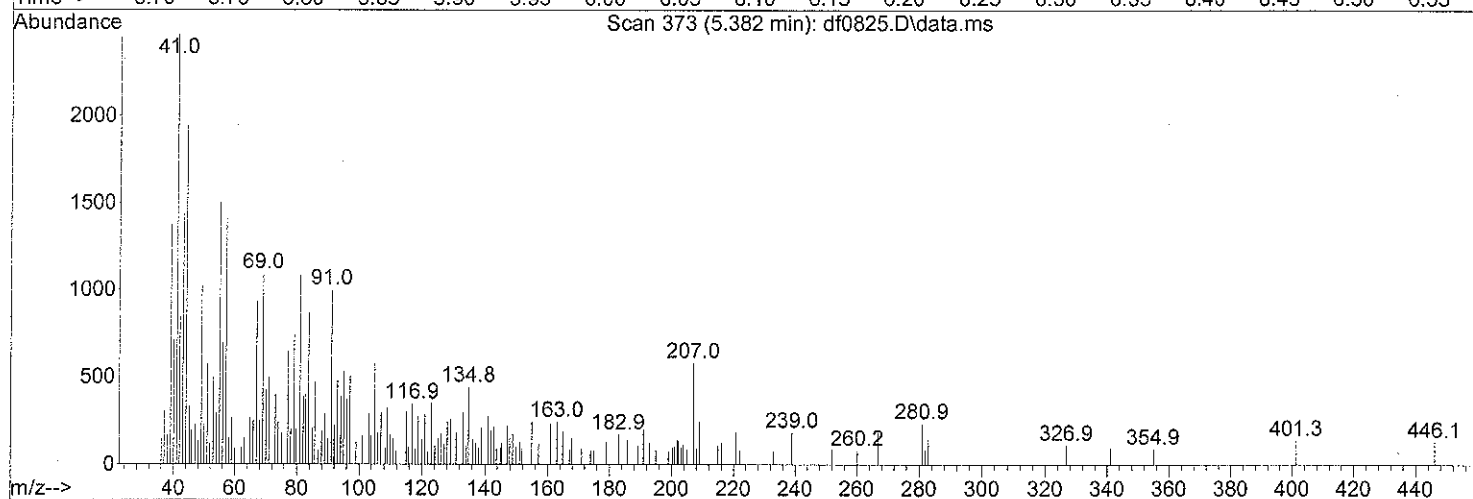
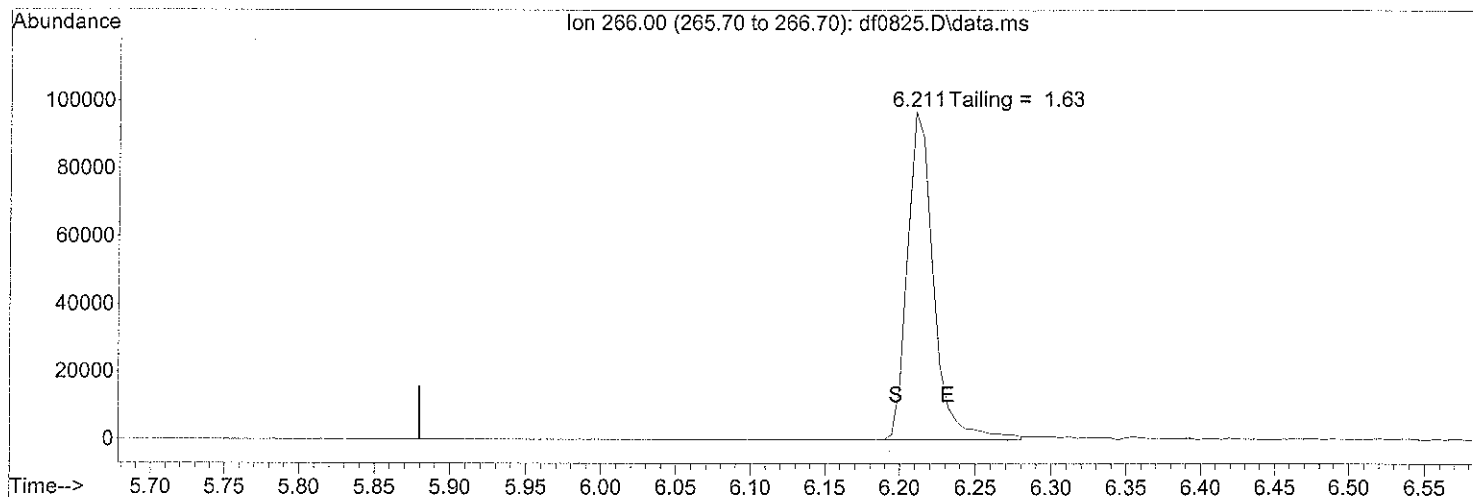
Page 2



Quantitation Report (Qedit)

Data Path : F:\Chem\GCMSEXT\Juliet.i\100825.b\
 Data File : df0825.D
 Acq On : 25 Aug 2010 5:34 am
 Operator : jrb
 Sample : deg
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 26 10:03:51 2010
 Quant Method : C:\msdchem\1\METHODS\tailing-mork.M
 Quant Title :
 QLast Update : Sat Jul 24 09:19:59 2010
 Response via : Initial Calibration



TIC: df0825.D\data.ms

(1) pentachlorophenol

5.380min (-5.380) 0.00

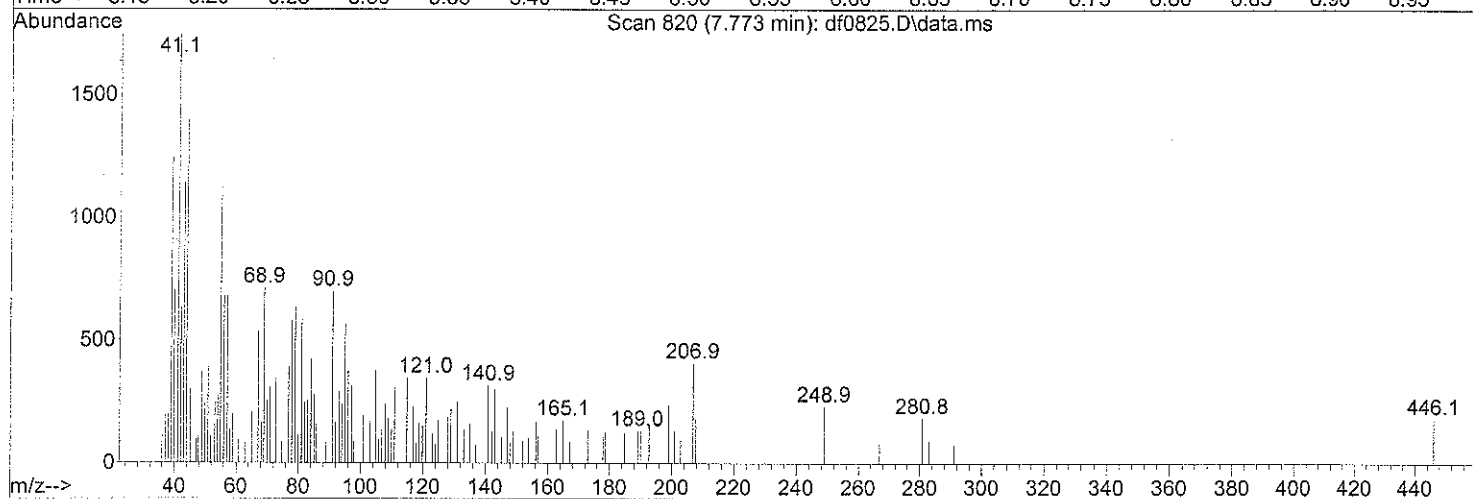
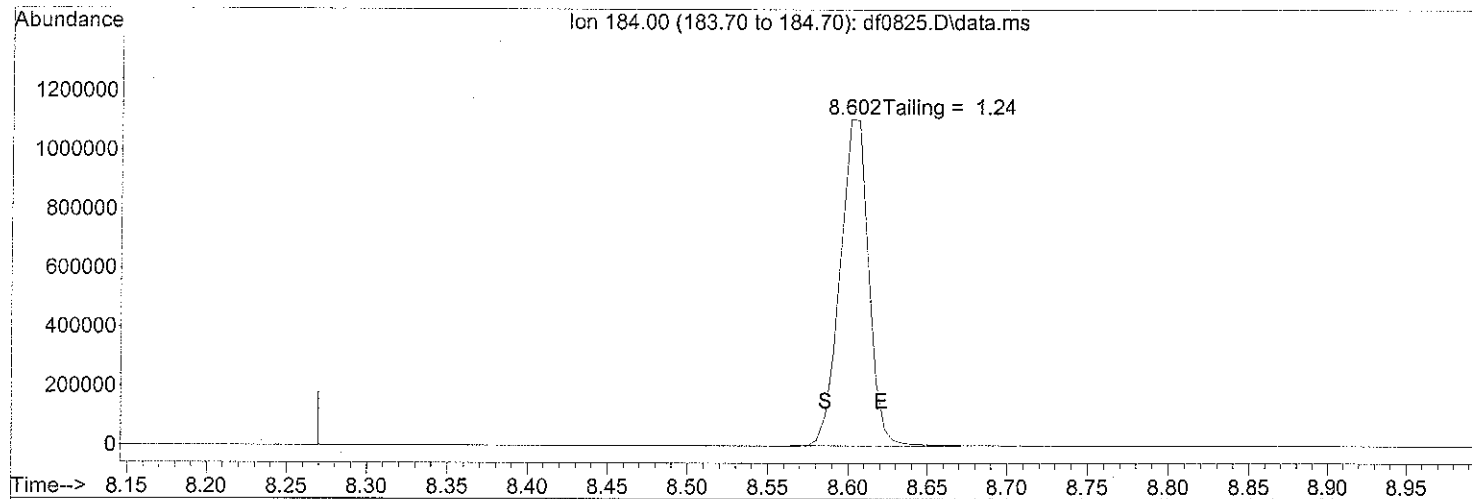
response 0

Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : F:\Chem\GCMSEXT\Juliet.i\100825.b\
 Data File : df0825.D
 Acq On : 25 Aug 2010 5:34 am
 Operator : jlb
 Sample : deg
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 26 10:03:51 2010
 Quant Method : C:\msdchem\1\METHODS\tailing-mork.M
 Quant Title :
 QLast Update : Sat Jul 24 09:19:59 2010
 Response via : Initial Calibration



TIC: df0825.D\data.ms

(2) benzidine

7.770min (-7.770) 0.00

response 0

Ion	Exp%	Act%
184.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Juliet.i Injection Date: 27-AUG-2010 10:37
Lab File ID: abn050.D Init. Cal. Date(s): 23-AUG-2010 23-AUG-2010
Analysis Type: Init. Cal. Times: 13:41 19:53
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100827.b\HP2ABNv2.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 n-Nitrosodimethylamine	0.59768	0.53408	0.53408	0.050	-10.64256	20.00000	Averaged
2 Pyridine	1.10944	1.12255	1.12255	0.050	1.18128	20.00000	Averaged
\$ 3 2-Fluorophenol	1.18882	1.03086	1.03086	0.050	-13.28698	20.00000	Averaged
\$ 7 Phenol-d6	1.44077	1.32992	1.32992	0.050	-7.69365	20.00000	Averaged
8 Phenol	1.46671	1.44886	1.44886	0.050	-1.21651	20.00000	Averaged
9 Aniline	1.76716	1.65984	1.65984	0.050	-6.07329	20.00000	Averaged
11 Bis(2-chloroethyl)ether	1.02287	0.87435	0.87435	0.050	-14.52064	20.00000	Averaged
12 2-Chlorophenol	1.34691	1.23219	1.23219	0.050	-8.51729	20.00000	Averaged
13 1,3-Dichlorobenzene	1.51495	1.39287	1.39287	0.050	-8.05836	20.00000	Averaged
16 1,4-Dichlorobenzene	1.53587	1.49366	1.49366	0.050	-2.74819	20.00000	Averaged
17 Benzyl alcohol	1.00180	0.98776	0.98776	0.050	-1.40210	20.00000	Averaged
18 1,2-Dichlorobenzene	1.44328	1.43807	1.43807	0.050	-0.36081	20.00000	Averaged
19 2-Methylphenol	1.12589	1.09510	1.09510	0.050	-2.73499	20.00000	Averaged
20 Bis(2-chloroisopropyl)ether	1.01787	0.90966	0.90966	0.050	-10.63058	20.00000	Averaged
22 3-Methylphenol/4-Methylphen	1.23278	1.21782	1.21782	0.050	-1.21426	20.00000	Averaged
24 n-Nitrosodi-n-propylamine	0.79840	0.75429	0.75429	0.050	-5.52415	20.00000	Averaged
26 Hexachloroethane	0.60918	0.58231	0.58231	0.050	-4.41086	20.00000	Averaged
\$ 28 Nitrobenzene-d5	1.25337	1.23326	1.23326	0.050	-1.60435	20.00000	Averaged
29 Nitrobenzene	0.32267	0.29556	0.29556	0.050	-8.40294	20.00000	Averaged
30 Isophorone	2.21058	2.25835	2.25835	0.050	2.16077	20.00000	Averaged
32 2-Nitrophenol	0.76361	0.72329	0.72329	0.050	-5.28051	20.00000	Averaged
33 2,4-Dimethylphenol	1.29619	1.40003	1.40003	0.050	8.01154	20.00000	Averaged
36 Bis(2-chloroethoxy)methane	1.32632	1.29226	1.29226	0.050	-2.56813	20.00000	Averaged
34 Benzoic acid	0.26814	0.24199	0.24199	0.050	-9.75249	20.00000	Averaged
37 2,4-Dichlorophenol	0.33550	0.33890	0.33890	0.050	1.01118	20.00000	Averaged
38 1,2,4-Trichlorobenzene	0.40428	0.41948	0.41948	0.050	3.76074	20.00000	Averaged
40 Naphthalene	1.01377	0.94701	0.94701	0.050	-6.58592	20.00000	Averaged
43 4-Chloroaniline	0.11042	0.11708	0.11708	0.050	6.02832	20.00000	Averaged
44 Hexachlorobutadiene	0.25749	0.26350	0.26350	0.050	2.33480	20.00000	Averaged
50 p-Chloro-m-cresol	0.31133	0.30771	0.30771	0.050	-1.16388	20.00000	Averaged
51 2-Methylnaphthalene	0.72103	0.74299	0.74299	0.050	3.04638	20.00000	Averaged
53 1-Methylnaphthalene	0.25702	0.26157	0.26157	0.050	1.77180	20.00000	Averaged
55 Hexachlorocyclopentadiene	0.27654	0.27008	0.27008	0.050	-2.33441	20.00000	Averaged
56 2,4,6-Trichlorophenol	0.28115	0.29448	0.29448	0.050	4.74087	20.00000	Averaged
57 2,4,5-Trichlorophenol	0.30254	0.31616	0.31616	0.050	4.50076	20.00000	Averaged
\$ 58 2-Fluorobiphenyl	0.91385	0.88509	0.88509	0.050	-3.14668	20.00000	Averaged
60 2-Chloronaphthalene	0.75539	0.72060	0.72060	0.050	-4.60553	20.00000	Averaged
62 2-Nitroaniline	0.25720	0.26544	0.26544	0.050	3.20518	20.00000	Averaged
65 1,4-Dinitrobenzene	0.17177	0.17659	0.17659	0.050	2.80898	20.00000	Averaged
66 Dimethyl phthalate	1.31913	1.29113	1.29113	0.050	-2.12280	20.00000	Averaged
67 1,3-Dinitrobenzene	0.20585	0.22338	0.22338	0.050	8.51657	20.00000	Averaged
69 2,6-Dinitrotoluene	0.20813	0.22193	0.22193	0.050	6.63176	20.00000	Averaged
68 1,2-Dinitrobenzene	0.12470	0.12775	0.12775	0.050	2.44540	20.00000	Averaged

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Juliet.i Injection Date: 27-AUG-2010 10:37
Lab File ID: abn050.D Init. Cal. Date(s): 23-AUG-2010 23-AUG-2010
Analysis Type: Init. Cal. Times: 13:41 19:53
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv1\\dd\\Chem\\GCMSEXT\\Juliet.i\\100827.b\\HP2ABNV2.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
70 Acenaphthylene	1.20161	1.14957	1.14957	0.050	-4.33080	20.00000	Averaged
72 3-Nitroaniline	0.33612	0.34375	0.34375	0.050	2.26739	20.00000	Averaged
75 Acenaphthene	1.03270	0.98161	0.98161	0.050	-4.94699	20.00000	Averaged
76 2,4-Dinitrophenol	50.00000	44.33694	0.17032	0.050	-11.32613	20.00000	Linear
77 4-Nitrophenol	0.20349	0.18885	0.18885	0.050	-7.19255	20.00000	Averaged
80 2,4-Dinitrotoluene	0.38563	0.38219	0.38219	0.050	-0.89248	20.00000	Averaged
78 Dibenzofuran	1.57382	1.46875	1.46875	0.050	-6.67646	20.00000	Averaged
81 2,3,4,6-Tetrachlorophenol	0.40016	0.41732	0.41732	0.050	4.28600	20.00000	Averaged
82 2,3,5,6-Tetrachlorophenol	0.43200	0.42615	0.42615	0.050	-1.35436	20.00000	Averaged
83 Diethyl phthalate	1.38554	1.36796	1.36796	0.050	-1.26816	20.00000	Averaged
84 4-Chlorophenyl phenyl ether	0.69609	0.67635	0.67635	0.050	-2.83502	20.00000	Averaged
85 Fluorene	1.31646	1.22634	1.22634	0.050	-6.84596	20.00000	Averaged
86 4-Nitroaniline	0.33857	0.33983	0.33983	0.050	0.37343	20.00000	Averaged
87 4,6-Dinitro-o-cresol	0.26185	0.28048	0.28048	0.050	7.11178	20.00000	Averaged
88 NDPA/DPA	1.13563	1.13615	1.13615	0.050	0.04609	20.00000	Averaged
89 Azobenzene	1.03129	1.05969	1.05969	0.050	2.75451	20.00000	Averaged
91 2,4,6-Tribromophenol	0.23904	0.22600	0.22600	0.050	-5.45584	20.00000	Averaged
94 4-Bromophenyl phenyl ether	0.53211	0.54726	0.54726	0.050	2.84654	20.00000	Averaged
97 Hexachlorobenzene	0.73405	0.74768	0.74768	0.050	1.85694	20.00000	Averaged
100 Pentachlorophenol	50.00000	51.79945	0.19663	0.050	3.59890	20.00000	Linear
103 Phenanthrene	1.09351	0.99840	0.99840	0.050	-8.69692	20.00000	Averaged
104 Anthracene	1.10022	1.09126	1.09126	0.050	-0.81414	20.00000	Averaged
106 Carbazole	1.04543	0.98597	0.98597	0.050	-5.68780	20.00000	Averaged
109 Di-n-butylphthalate	1.24456	1.19313	1.19313	0.050	-4.13244	20.00000	Averaged
115 Fluoranthene	1.25844	1.27656	1.27656	0.050	1.44036	20.00000	Averaged
117 Benzidine	0.87648	0.88703	0.88703	0.050	1.20351	20.00000	Averaged
119 Pyrene	1.43541	1.37553	1.37553	0.050	-4.17168	20.00000	Averaged
120 4-Terphenyl-d14	1.07032	1.04330	1.04330	0.050	-2.52442	20.00000	Averaged
122 Butyl benzyl phthalate	0.61641	0.60842	0.60842	0.050	-1.29485	20.00000	Averaged
124 Bis (2-ethylhexyl) adipate	2.03545	2.34992	2.34992	0.050	15.44932	20.00000	Averaged
127 3,3'-Dichlorobenzidine	0.45346	0.46577	0.46577	0.050	2.71487	20.00000	Averaged
128 Benzo(a)anthracene	1.03274	1.03286	1.03286	0.050	0.01127	20.00000	Averaged
131 Chrysene	0.98184	0.98203	0.98203	0.050	0.01981	20.00000	Averaged
132 Bis(2-ethylhexyl)phthalate	0.58081	0.59058	0.59058	0.050	1.68228	20.00000	Averaged
137 Di-n-octylphthalate	0.95258	1.06179	1.06179	0.050	11.46479	20.00000	Averaged
138 Benzo(b)fluoranthene	1.01210	0.95055	0.95055	0.050	-6.08084	20.00000	Averaged
139 Benzo(k)fluoranthene	0.97162	1.02630	1.02630	0.050	5.62730	20.00000	Averaged
141 Benzo(a)pyrene	0.96605	0.96513	0.96513	0.050	-0.09517	20.00000	Averaged
146 Indeno(1,2,3-cd)pyrene	1.11398	1.06797	1.06797	0.050	-4.13041	20.00000	Averaged
147 Dibenzo(a,h)anthracene	1.06478	1.08730	1.08730	0.050	2.11516	20.00000	Averaged
149 Benzo(ghi)perylene	1.15303	1.09487	1.09487	0.050	-5.04468	20.00000	Averaged

Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100827p.b\abn050.D

Lab Smp Id:

Inj Date : 27-AUG-2010 10:37

Operator : hl

Inst ID: Juliet.i

Smp Info : abn icv/ccv lot#3040

Misc Info : ,ICAL5274

Comment : Rev. 071219 (Megamix ICAL)

Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100827p.b\HP2ABNv2.m

Meth Date : 01-Sep-2010 17:49 BenW

Quant Type: ISTD

Cal Date : 23-AUG-2010 18:39

Cal File: ap9l5.D

Als bottle: 96

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: 8270ical.sub

Target Version: 4.12

Processing Host: EXT-6

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.968	1.968	(0.476)	93351	50.0000	44.7		
2 Pyridine	79	1.995	1.995	(0.482)	196210	50.0000	50.6		
\$ 3 2-Fluorophenol	112	3.075	3.075	(0.743)	180184	50.0000	43.4		
\$ 7 Phenol-d6	99	3.867	3.867	(0.934)	232457	50.0000	46.2		
8 Phenol	94	3.878	3.878	(0.937)	255046	50.0000	49.7		
9 Aniline	93	3.867	3.867	(0.934)	290284	50.0000	47.0		
11 Bis(2-chloroethyl)ether	93	3.915	3.915	(0.946)	152827	50.0000	42.7		
12 2-Chlorophenol	128	3.974	3.974	(0.960)	215375	50.0000	45.7		
13 1,3-Dichlorobenzene	146	4.097	4.097	(0.990)	243459	50.0000	46.0		
* 15 1,4-Dichlorobenzene-d4	152	4.140	4.140	(1.000)	139832	40.0000			
16 1,4-Dichlorobenzene	146	4.156	4.156	(1.004)	261077	50.0000	48.6		
17 Benzyl alcohol	79	4.268	4.268	(1.031)	172650	50.0000	49.3		
18 1,2-Dichlorobenzene	146	4.290	4.290	(1.036)	251360	50.0000	49.8		
19 2-Methylphenol	108	4.380	4.380	(1.058)	191410	50.0000	48.6		
20 Bis(2-chloroisopropyl)ether	45	4.380	4.380	(1.058)	159000	50.0000	44.7		
22 3-Methylphenol/4-Methylphenol	108	4.520	4.520	(1.092)	212862	50.0000	49.4		
24 n-Nitrosodi-n-propylamine	70	4.493	4.493	(1.085)	131843	50.0000	47.2		
26 Hexachloroethane	117	4.573	4.573	(1.105)	101782	50.0000	47.8		
\$ 28 Nitrobenzene-d5	82	4.616	4.616	(1.115)	215562	50.0000	49.2		
29 Nitrobenzene	77	4.632	4.632	(0.884)	195512	50.0000	45.8		
30 Isophorone	82	4.840	4.840	(1.169)	394737	50.0000	51.1		
32 2-Nitrophenol	139	4.910	4.910	(1.186)	126423	50.0000	47.4		
33 2,4-Dimethylphenol	107	4.969	4.969	(1.200)	244712	50.0000	54.0		
36 Bis(2-chloroethoxy)methane	93	5.033	5.033	(1.216)	225874	50.0000	48.7		
34 Benzoic acid	105	5.092	5.092	(0.971)	160080	50.0000	45.1		
37 2,4-Dichlorophenol	162	5.135	5.135	(0.980)	224182	50.0000	50.5		
38 1,2,4-Trichlorobenzene	180	5.193	5.193	(0.991)	277490	50.0000	51.9		
* 39 Naphthalene-d8	136	5.242	5.242	(1.000)	529204	40.0000			
40 Naphthalene	128	5.258	5.258	(1.003)	626449	50.0000	46.7		
43 4-Chloroaniline	65	5.311	5.311	(1.013)	77446	50.0000	53.0		
44 Hexachlorobutadiene	225	5.375	5.375	(1.026)	174308	50.0000	51.2		
50 p-Chloro-m-cresol	107	5.760	5.760	(1.099)	203550	50.0000	49.4		
51 2-Methylnaphthalene	142	5.867	5.867	(1.119)	491492	50.0000	51.5		

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.953	5.953	(1.136)	173030	50.0000	50.9	
55 Hexachlorocyclopentadiene	237	6.012	6.012	(1.147)	178661	50.0000	48.8	
56 2,4,6-Trichlorophenol	196	6.124	6.124	(1.168)	194801	50.0000	52.4	
57 2,4,5-Trichlorophenol	196	6.162	6.162	(1.175)	209140	50.0000	52.2	
\$ 58 2-Fluorobiphenyl	172	6.188	6.188	(1.181)	585494	50.0000	48.4	
60 2-Chloronaphthalene	162	6.290	6.290	(1.200)	476683	50.0000	47.7	
62 2-Nitroaniline	138	6.386	6.386	(1.218)	175589	50.0000	51.6	
65 1,4-Dinitrobenzene	168	6.509	6.509	(0.960)	82143	50.0000	51.4	
66 Dimethyl phthalate	163	6.552	6.552	(0.966)	600584	50.0000	48.9	
67 1,3-Dinitrobenzene	168	6.579	6.579	(0.970)	103908	50.0000	54.2	
69 2,6-Dinitrotoluene	165	6.600	6.600	(1.259)	146809	50.0000	53.3	
68 1,2-Dinitrobenzene	168	6.648	6.648	(0.980)	59423	50.0000	51.2	
70 Acenaphthylene	152	6.654	6.654	(1.269)	760444	50.0000	47.8	
72 3-Nitroaniline	138	6.750	6.750	(0.995)	159897	50.0000	51.1	
* 74 Acenaphthene-d10	164	6.782	6.782	(1.000)	372131	40.0000		
75 Acenaphthene	154	6.809	6.809	(1.004)	456606	50.0000	47.5	
76 2,4-Dinitrophenol	184	6.846	6.846	(1.009)	79226	50.0000	44.3	
77 4-Nitrophenol	65	6.937	6.937	(1.023)	87847	50.0000	46.4	
80 2,4-Dinitrotoluene	165	6.959	6.959	(1.026)	177778	50.0000	49.6	
78 Dibenzofuran	168	6.959	6.959	(1.026)	683205	50.0000	46.7	
81 2,3,4,6-Tetrachlorophenol	232	7.044	7.044	(1.039)	194119	50.0000	52.1	
82 2,3,5,6-Tetrachlorophenol	232	7.082	7.082	(1.044)	198230	50.0000	49.3	
83 Diethyl phthalate	149	7.167	7.167	(1.057)	636324	50.0000	49.4	
84 4-Chlorophenyl phenyl ether	204	7.263	7.263	(1.071)	314612	50.0000	48.6	
85 Fluorene	166	7.263	7.263	(1.071)	570446	50.0000	46.6	
86 4-Nitroaniline	138	7.290	7.290	(1.075)	158076	50.0000	50.2	
87 4,6-Dinitro-o-cresol	198	7.322	7.322	(1.080)	130467	50.0000	53.6	
88 NDPA/DPA	169	7.370	7.370	(1.087)	528494	50.0000	50.0	
89 Azobenzene	77	7.402	7.402	(1.091)	492684	50.0000	51.4	
\$ 91 2,4,6-Tribromophenol	330	7.477	7.477	(0.925)	206391	50.0000	47.3	
94 4-Bromophenyl phenyl ether	248	7.691	7.691	(1.134)	254564	50.0000	51.4	
97 Hexachlorobenzene	284	7.755	7.755	(1.144)	347794	50.0000	50.9	
100 Pentachlorophenol	266	7.932	7.932	(0.981)	179564	50.0000	51.8	
* 102 Phenanthrene-d10	188	8.082	8.082	(1.000)	730579	40.0000		
103 Phenanthrene	178	8.103	8.103	(1.003)	911617	50.0000	45.6	
104 Anthracene	178	8.146	8.146	(1.008)	996568	50.0000	49.6	
106 Carbazole	167	8.296	8.296	(1.026)	900410	50.0000	47.2	
109 Di-n-butylphthalate	149	8.606	8.606	(1.065)	1089592	50.0000	47.9	
115 Fluoranthene	202	9.178	9.178	(1.136)	1165787	50.0000	50.7	
117 Benzidine	184	9.317	9.317	(1.153)	810059	50.0000	50.6	
119 Pyrene	202	9.408	9.408	(1.164)	1256168	50.0000	47.9	
\$ 120 4-Terphenyl-d14	244	9.579	9.579	(1.185)	952765	50.0000	48.7	
122 Butyl benzyl phthalate	149	10.178	10.178	(1.259)	555342	50.0000	49.3	
124 Bis (2-ethylhexyl) adipate	129	10.301	10.301	(2.488)	410742	50.0000	57.7	
127 3,3'-Dichlorobenzidine	252	10.900	10.900	(0.997)	651670	50.0000	51.4	
128 Benzo(a)anthracene	228	10.917	10.917	(0.999)	1445105	50.0000	50.0	
* 129 Chrysene-d12	240	10.933	10.933	(1.000)	1119305	40.0000		
131 Chrysene	228	10.970	10.970	(1.003)	1373994	50.0000	50.0	
132 Bis(2-ethylhexyl)phthalate	149	11.029	11.029	(1.009)	826297	50.0000	50.8	
137 Di-n-octylphthalate	149	12.109	12.109	(1.108)	1485589	50.0000	55.7	
138 Benzo(b)fluoranthene	252	12.639	12.639	(0.952)	1667455	50.0000	47.0	
139 Benzo(k)fluoranthene	252	12.687	12.687	(0.955)	1802574	50.0000	52.9	
141 Benzo(a)pyrene	252	13.184	13.184	(0.993)	1693030	50.0000	50.0	
* 143 Perylene-d12	264	13.281	13.281	(1.000)	1403356	40.0000		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	15.083	15.083	(1.136)	1873420	50.0000	47.9	
147 Dibenzo(a,h)anthracene	278	15.126	15.126	(1.139)	1907337	50.0000	51.0	
149 Benzo(ghi)perylene	276	15.506	15.506	(1.168)	1920611	50.0000	47.5	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i

Lab File ID: abn050.D

Lab Smp Id:

Analysis Type: SV

Quant Type: ISTD

Operator: hl

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100827p.b\HP2ABNv2.m

Misc Info: ,ICAL5274

Calibration Date: 27-AUG-2010

Calibration Time: 10:37

Level:

Sample Type:

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	253053	126527	506106	139832	-44.74
39 Naphthalene-d8	1005602	502801	2011204	529204	-47.37
74 Acenaphthene-d10	639767	319884	1279534	372131	-41.83
102 Phenanthrene-d10	1268492	634246	2536984	730579	-42.41
129 Chrysene-d12	1894731	947366	3789462	1119305	-40.93
143 Perylene-d12	2338651	1169326	4677302	1403356	-39.99

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.14	0.13
39 Naphthalene-d8	5.23	4.73	5.73	5.24	0.31
74 Acenaphthene-d10	6.75	6.25	7.25	6.78	0.48
102 Phenanthrene-d10	8.05	7.55	8.55	8.08	0.40
129 Chrysene-d12	10.86	10.36	11.36	10.93	0.64
143 Perylene-d12	13.20	12.70	13.70	13.28	0.65

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 27-AUG-2010 10:37

Client ID:

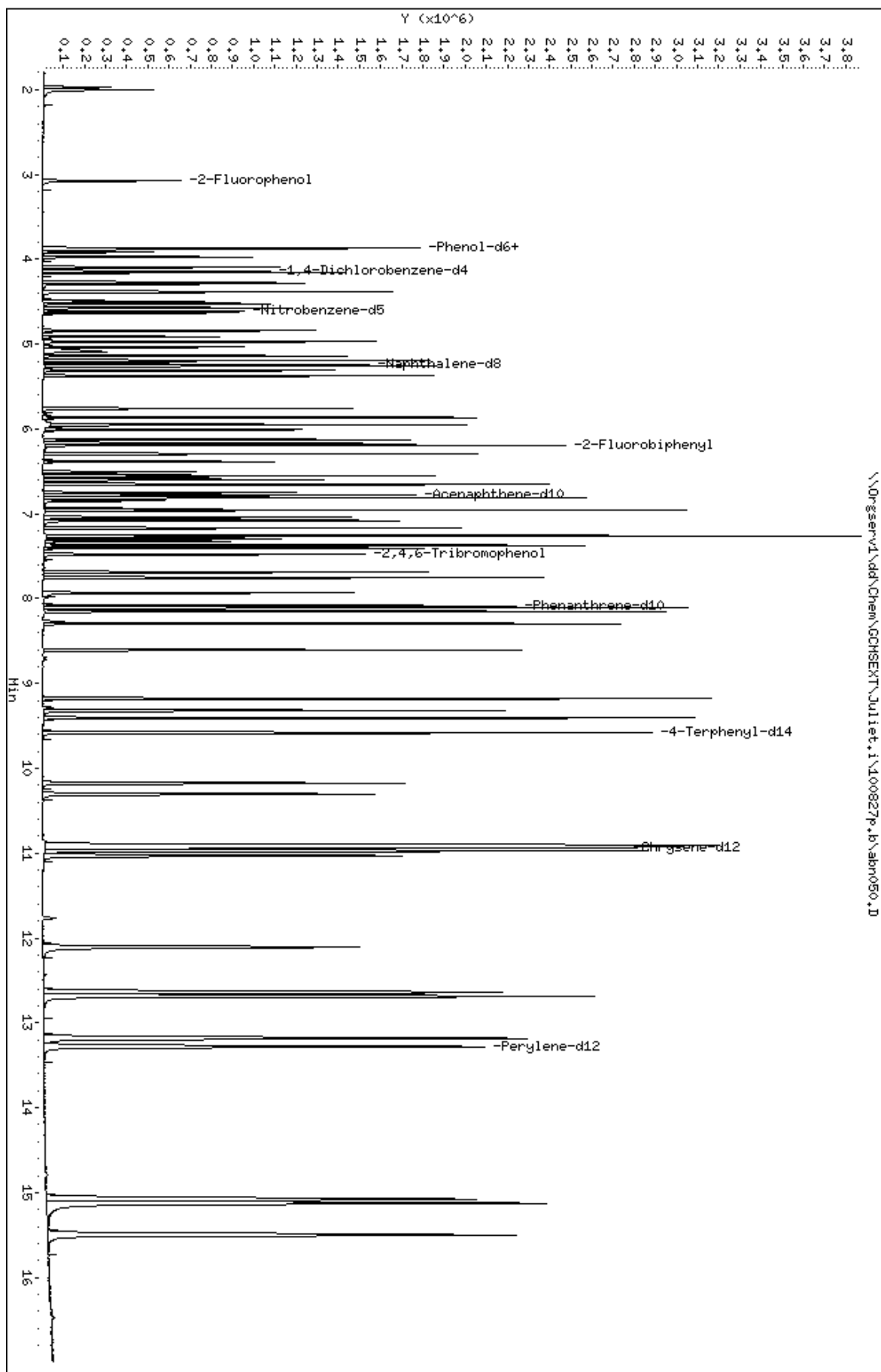
Sample Info: abn iow/ocv lot#3040

Instrument: Juliet.i

Column phase: RTX-5

Operator: hl

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100827.b\abn050.D

Lab Smp Id:

Inj Date : 27-AUG-2010 10:37

Operator : hl

Inst ID: Juliet.i

Smp Info : abn icv/ccv lot#3040

Misc Info : ,ICAL5274

Comment : Rev. 071219 (Megamix ICAL)

Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100827.b\HP2ABNv2.m

Meth Date : 28-Aug-2010 08:47 Juliet.i

Quant Type: ISTD

Cal Date : 23-AUG-2010 18:39

Cal File: ap9l5.D

Als bottle: 96

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: 8270ical.sub

Target Version: 4.12

Processing Host: ABN-6

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 n-Nitrosodimethylamine	74	1.968	1.968	(0.476)	93351	50.0000	44.7		
2 Pyridine	79	1.995	1.995	(0.482)	196210	50.0000	50.6		
\$ 3 2-Fluorophenol	112	3.075	3.075	(0.743)	180184	50.0000	43.4		
\$ 7 Phenol-d6	99	3.867	3.867	(0.934)	232457	50.0000	46.2		
8 Phenol	94	3.878	3.878	(0.937)	253247	50.0000	49.4(M)		M2
9 Aniline	93	3.867	3.867	(0.934)	290123	50.0000	47.0(M)		M2
11 Bis(2-chloroethyl)ether	93	3.915	3.915	(0.946)	152827	50.0000	42.7		
12 2-Chlorophenol	128	3.974	3.974	(0.960)	215375	50.0000	45.7		
13 1,3-Dichlorobenzene	146	4.097	4.097	(0.990)	243459	50.0000	46.0		
* 15 1,4-Dichlorobenzene-d4	152	4.140	4.140	(1.000)	139832	40.0000			
16 1,4-Dichlorobenzene	146	4.156	4.156	(1.004)	261077	50.0000	48.6		
17 Benzyl alcohol	79	4.268	4.268	(1.031)	172650	50.0000	49.3		
18 1,2-Dichlorobenzene	146	4.290	4.290	(1.036)	251360	50.0000	49.8		
19 2-Methylphenol	108	4.380	4.380	(1.058)	191412	50.0000	48.6		
20 Bis(2-chloroisopropyl)ether	45	4.380	4.380	(1.058)	159000	50.0000	44.7		
22 3-Methylphenol/4-Methylphenol	108	4.520	4.520	(1.092)	212862	50.0000	49.4		
24 n-Nitrosodi-n-propylamine	70	4.493	4.493	(1.085)	131843	50.0000	47.2		
26 Hexachloroethane	117	4.573	4.573	(1.105)	101782	50.0000	47.8		
\$ 28 Nitrobenzene-d5	82	4.616	4.616	(1.115)	215562	50.0000	49.2		
29 Nitrobenzene	77	4.632	4.632	(0.884)	195512	50.0000	45.8		
30 Isophorone	82	4.840	4.840	(1.169)	394737	50.0000	51.1		
32 2-Nitrophenol	139	4.910	4.910	(1.186)	126423	50.0000	47.4		
33 2,4-Dimethylphenol	107	4.969	4.969	(1.200)	244712	50.0000	54.0		
36 Bis(2-chloroethoxy)methane	93	5.033	5.033	(1.216)	225874	50.0000	48.7		
34 Benzoic acid	105	5.092	5.092	(0.971)	160080	50.0000	45.1		
37 2,4-Dichlorophenol	162	5.135	5.135	(0.980)	224182	50.0000	50.5		
38 1,2,4-Trichlorobenzene	180	5.193	5.193	(0.991)	277490	50.0000	51.9		
* 39 Naphthalene-d8	136	5.242	5.242	(1.000)	529204	40.0000			
40 Naphthalene	128	5.258	5.258	(1.003)	626449	50.0000	46.7		
43 4-Chloroaniline	65	5.311	5.311	(1.013)	77446	50.0000	53.0		
44 Hexachlorobutadiene	225	5.375	5.375	(1.026)	174308	50.0000	51.2		
50 p-Chloro-m-cresol	107	5.760	5.760	(1.099)	203550	50.0000	49.4		
51 2-Methylnaphthalene	142	5.867	5.867	(1.119)	491492	50.0000	51.5		

Compounds	QUANT SIG MASS					AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
53 1-Methylnaphthalene	115	5.953	5.953	(1.136)	173030	50.0000	50.9	
55 Hexachlorocyclopentadiene	237	6.012	6.012	(1.147)	178661	50.0000	48.8	
56 2,4,6-Trichlorophenol	196	6.124	6.124	(1.168)	194801	50.0000	52.4	
57 2,4,5-Trichlorophenol	196	6.162	6.162	(1.175)	209140	50.0000	52.2(H)	M3
\$ 58 2-Fluorobiphenyl	172	6.188	6.188	(1.181)	585494	50.0000	48.4	
60 2-Chloronaphthalene	162	6.290	6.290	(1.200)	476683	50.0000	47.7	
62 2-Nitroaniline	138	6.386	6.386	(1.218)	175589	50.0000	51.6	
65 1,4-Dinitrobenzene	168	6.509	6.509	(0.960)	82143	50.0000	51.4	
66 Dimethyl phthalate	163	6.552	6.552	(0.966)	600584	50.0000	48.9	
67 1,3-Dinitrobenzene	168	6.579	6.579	(0.970)	103908	50.0000	54.2	
69 2,6-Dinitrotoluene	165	6.600	6.600	(1.259)	146809	50.0000	53.3	
68 1,2-Dinitrobenzene	168	6.648	6.648	(0.980)	59423	50.0000	51.2	
70 Acenaphthylene	152	6.654	6.654	(1.269)	760444	50.0000	47.8	
72 3-Nitroaniline	138	6.750	6.750	(0.995)	159897	50.0000	51.1	
* 74 Acenaphthene-d10	164	6.782	6.782	(1.000)	372129	40.0000		
75 Acenaphthene	154	6.809	6.809	(1.004)	456606	50.0000	47.5	
76 2,4-Dinitrophenol	184	6.846	6.846	(1.009)	79226	50.0000	44.3	
77 4-Nitrophenol	65	6.937	6.937	(1.023)	87847	50.0000	46.4	
80 2,4-Dinitrotoluene	165	6.959	6.959	(1.026)	177778	50.0000	49.6	
78 Dibenzofuran	168	6.959	6.959	(1.026)	683205	50.0000	46.7	
81 2,3,4,6-Tetrachlorophenol	232	7.044	7.044	(1.039)	194119	50.0000	52.1	
82 2,3,5,6-Tetrachlorophenol	232	7.082	7.082	(1.044)	198230	50.0000	49.3(H)	M3
83 Diethyl phthalate	149	7.167	7.167	(1.057)	636324	50.0000	49.4	
84 4-Chlorophenyl phenyl ether	204	7.263	7.263	(1.071)	314613	50.0000	48.6	
85 Fluorene	166	7.263	7.263	(1.071)	570446	50.0000	46.6	
86 4-Nitroaniline	138	7.290	7.290	(1.075)	158076	50.0000	50.2	
87 4,6-Dinitro-o-cresol	198	7.322	7.322	(1.080)	130467	50.0000	53.6	
88 NDPA/DPA	169	7.370	7.370	(1.087)	528494	50.0000	50.0	
89 Azobenzene	77	7.402	7.402	(1.091)	492928	50.0000	51.4	
\$ 91 2,4,6-Tribromophenol	330	7.477	7.477	(0.925)	206391	50.0000	47.3	
94 4-Bromophenyl phenyl ether	248	7.691	7.691	(1.134)	254564	50.0000	51.4	
97 Hexachlorobenzene	284	7.755	7.755	(1.144)	347794	50.0000	50.9	
100 Pentachlorophenol	266	7.932	7.932	(0.981)	179564	50.0000	51.8	
* 102 Phenanthrene-d10	188	8.082	8.082	(1.000)	730579	40.0000		
103 Phenanthrene	178	8.103	8.103	(1.003)	911767	50.0000	45.6	
104 Anthracene	178	8.146	8.146	(1.008)	996568	50.0000	49.6(H)	M3
106 Carbazole	167	8.296	8.296	(1.026)	900410	50.0000	47.2	
109 Di-n-butylphthalate	149	8.606	8.606	(1.065)	1089592	50.0000	47.9	
115 Fluoranthene	202	9.178	9.178	(1.136)	1165787	50.0000	50.7	
117 Benzidine	184	9.317	9.317	(1.153)	810059	50.0000	50.6	
119 Pyrene	202	9.408	9.408	(1.164)	1256168	50.0000	47.9	
\$ 120 4-Terphenyl-d14	244	9.579	9.579	(1.185)	952765	50.0000	48.7	
122 Butyl benzyl phthalate	149	10.178	10.178	(1.259)	555628	50.0000	49.4	
124 Bis (2-ethylhexyl) adipate	129	10.301	10.301	(2.488)	410742	50.0000	57.7	
127 3,3'-Dichlorobenzidine	252	10.900	10.900	(0.997)	651670	50.0000	51.4	
128 Benzo(a)anthracene	228	10.917	10.917	(0.999)	1445105	50.0000	50.0	
* 129 Chrysene-d12	240	10.933	10.933	(1.000)	1119305	40.0000		
131 Chrysene	228	10.970	10.970	(1.003)	1373994	50.0000	50.0(H)	M3
132 Bis(2-ethylhexyl)phthalate	149	11.029	11.029	(1.009)	826297	50.0000	50.8	
137 Di-n-octylphthalate	149	12.109	12.109	(1.108)	1485589	50.0000	55.7	
138 Benzo(b)fluoranthene	252	12.639	12.639	(0.952)	1667455	50.0000	47.0	
139 Benzo(k)fluoranthene	252	12.687	12.687	(0.955)	1800327	50.0000	52.8(H)	M3
141 Benzo(a)pyrene	252	13.184	13.184	(0.993)	1693030	50.0000	50.0	
* 143 Perylene-d12	264	13.281	13.281	(1.000)	1403356	40.0000		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL	RT	EXP RT	REL RT	RESPONSE	
=====	=====	(ng)	(ng)	=====	=====	=====	=====	=====
146 Indeno(1,2,3-cd)pyrene	276	15.083	15.083 (1.136)	1873420	50.0000	47.9		
147 Dibenzo(a,h)anthracene	278	15.126	15.126 (1.139)	1907337	50.0000	51.0		
149 Benzo(ghi)perylene	276	15.506	15.506 (1.168)	1920611	50.0000	47.5		

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Juliet.i Calibration Date: 27-AUG-2010
 Lab File ID: abn050.D Calibration Time: 11:01
 Lab Smp Id:
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: hl
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100827.b\HP2ABNv2.m
 Misc Info: ,ICAL5274

Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	253053	126527	506106	139832	-44.74
39 Naphthalene-d8	1005602	502801	2011204	529204	-47.37
74 Acenaphthene-d10	639767	319884	1279534	372129	-41.83
102 Phenanthrene-d10	1268492	634246	2536984	730579	-42.41
129 Chrysene-d12	1894731	947366	3789462	1119305	-40.93
143 Perylene-d12	2338651	1169326	4677302	1403356	-39.99

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.14	0.13
39 Naphthalene-d8	5.23	4.73	5.73	5.24	0.31
74 Acenaphthene-d10	6.75	6.25	7.25	6.78	0.48
102 Phenanthrene-d10	8.05	7.55	8.55	8.08	0.40
129 Chrysene-d12	10.86	10.36	11.36	10.93	0.64
143 Perylene-d12	13.20	12.70	13.70	13.28	0.65

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 27-AUG-2010 10:37

Client ID:

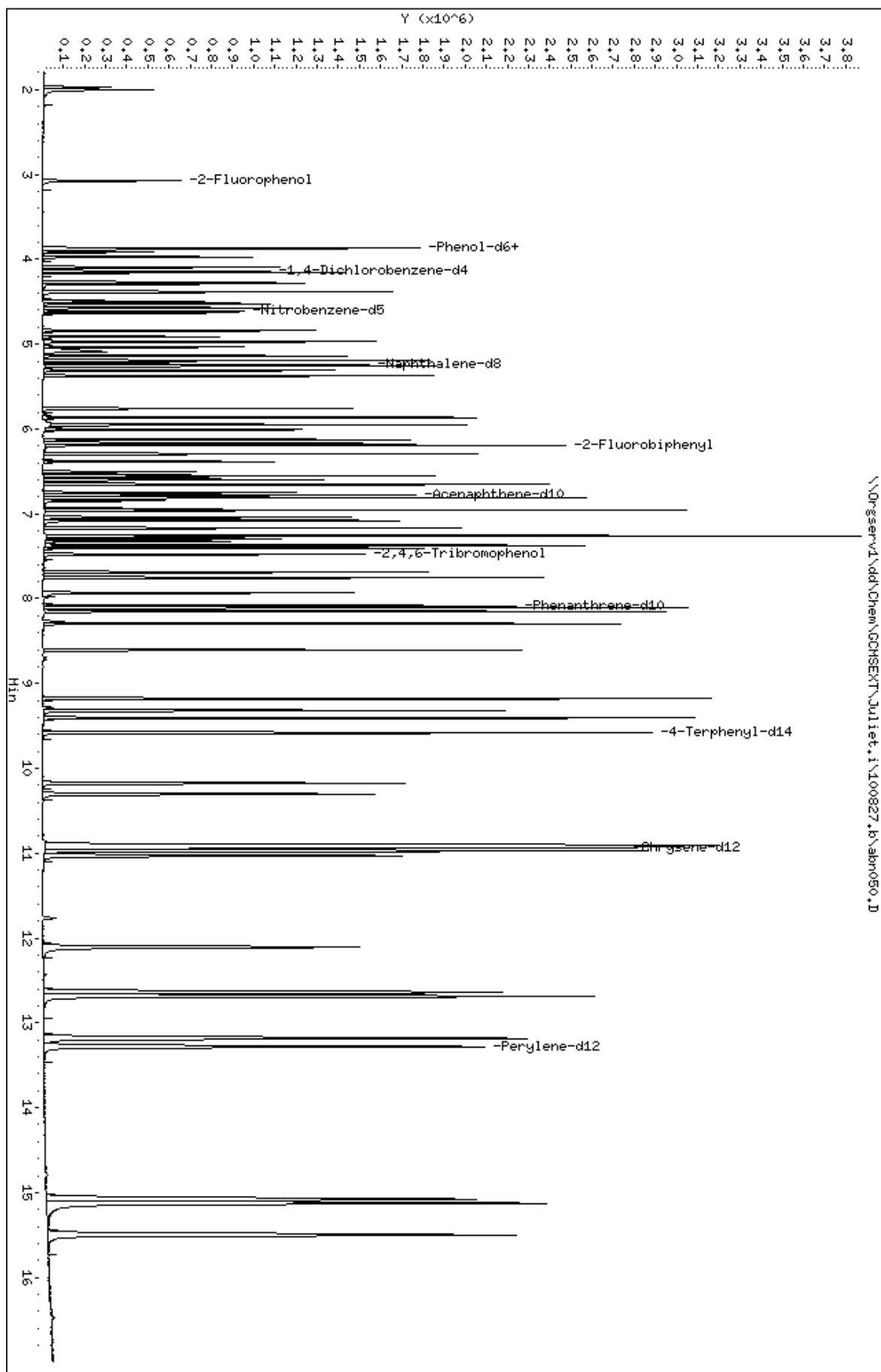
Sample Info: abn iow/ocv lot#3040

Instrument: Juliet.i

Operator: hl

Column diameter: 0.32

Column phase: RTX-5



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100827.b\deg0827.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 09:33
 Operator : hl Inst ID: Juliet.i
 Smp Info : deg
 Misc Info :
 Comment :
 Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100827.b\DDT.m
 Meth Date : 24-Aug-2010 13:08 hlac Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 100 QC Sample: DFTPP-DEG
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: all.sub
 Target Version: 4.12
 Processing Host: ABN-6

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
		MASS	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ng)	FINAL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
4 4,4'-DDE	246					Compound Not Detected.			
5 4,4'-DDD	235					Compound Not Detected.			
6 4,4'-DDT	235		9.992	9.939	0.053	249166			

DDT Degradation Percent = 0.000

Data File: \\Drger\1\dd\Chem\GCHSEXT\Juliet.i\100827.b\deg0827.D

Date : 27-AUG-2010 09:33

Client ID:

Sample Info: deg

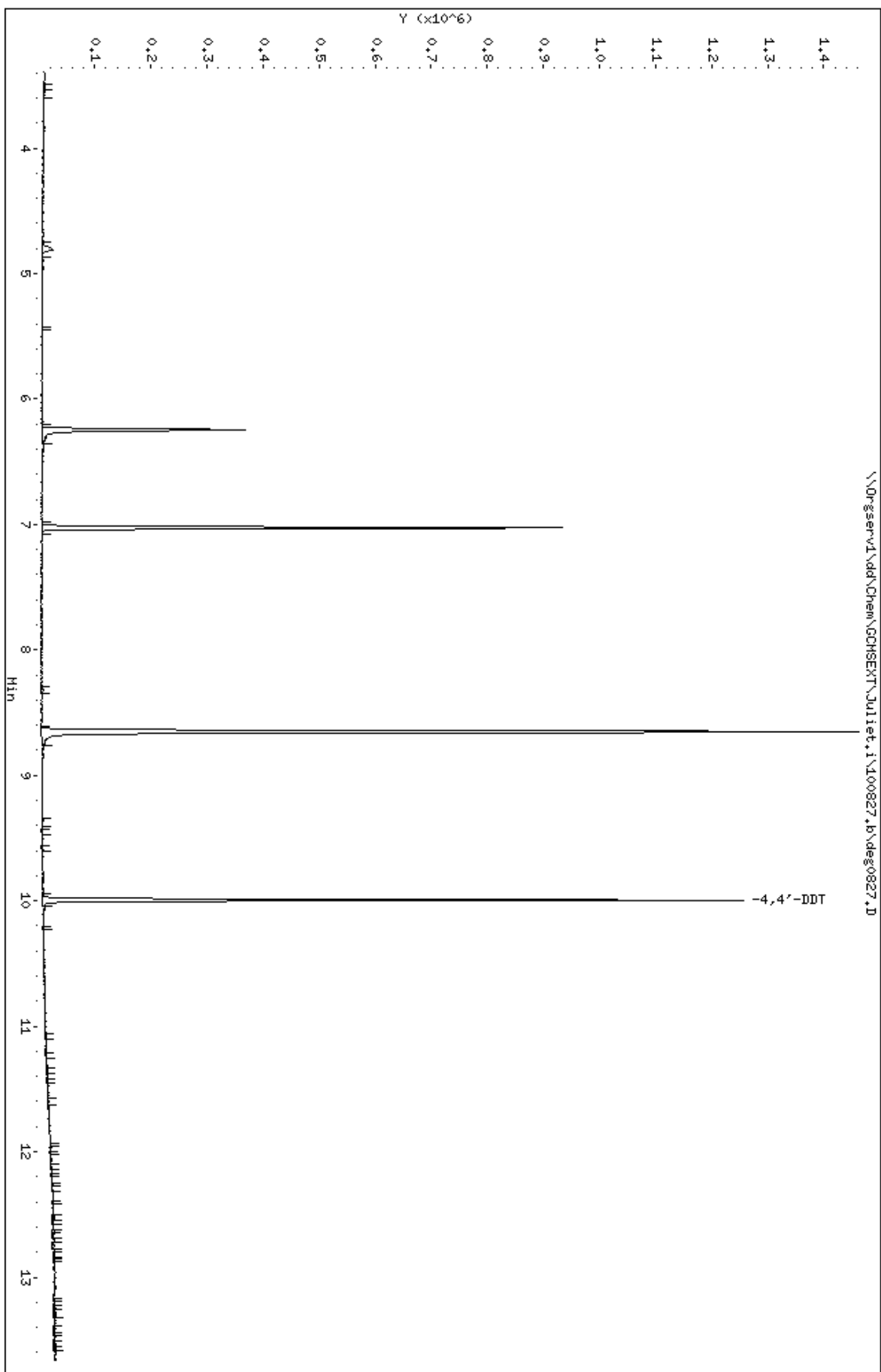
Column phase: RTX-5

Instrument: Juliet.i

Operator: hl

Column diameter: 0.32

Page 2



Alpha Analytical Labs

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100827.b\dft0827.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 10:17
 Operator : hl Inst ID: Juliet.i
 Smp Info : dftpp
 Misc Info :
 Comment :
 Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100827.b\dftpp.m
 Meth Date : 24-Aug-2010 13:09 hlac Quant Type: ESTD
 Cal Date : 23-MAR-2005 22:57 Cal File: DEG0323A.D
 Als bottle: 100 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: ABN-6

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dftpp					CAS #: 5074-71-5				
7.023	6.992	0.031	198	13877			0.00-	100.00	100.00
7.023	6.992	0.031	51	7738			30.00-	60.00	55.76
7.023	6.992	0.031	68	151			0.00-	2.00	1.82
7.023	6.992	0.031	69	8302			0.00-	0.00	59.83
7.023	6.992	0.031	70	55			0.00-	2.00	0.66
7.023	6.992	0.031	127	7988			40.00-	60.00	57.56
7.023	6.992	0.031	197	38			0.00-	1.00	0.27
7.023	6.992	0.031	199	1003			5.00-	9.00	7.23
7.023	6.992	0.031	275	3326			10.00-	30.00	23.97
7.023	6.992	0.031	365	451			1.00-	0.00	3.25
7.023	6.992	0.031	441	2047			0.01-	99.99	82.41
7.023	6.992	0.031	442	12071			40.00-	99.99	86.99
7.023	6.992	0.031	443	2484			17.00-	23.00	20.58

Date : 27-AUG-2010 10:17

Client ID:

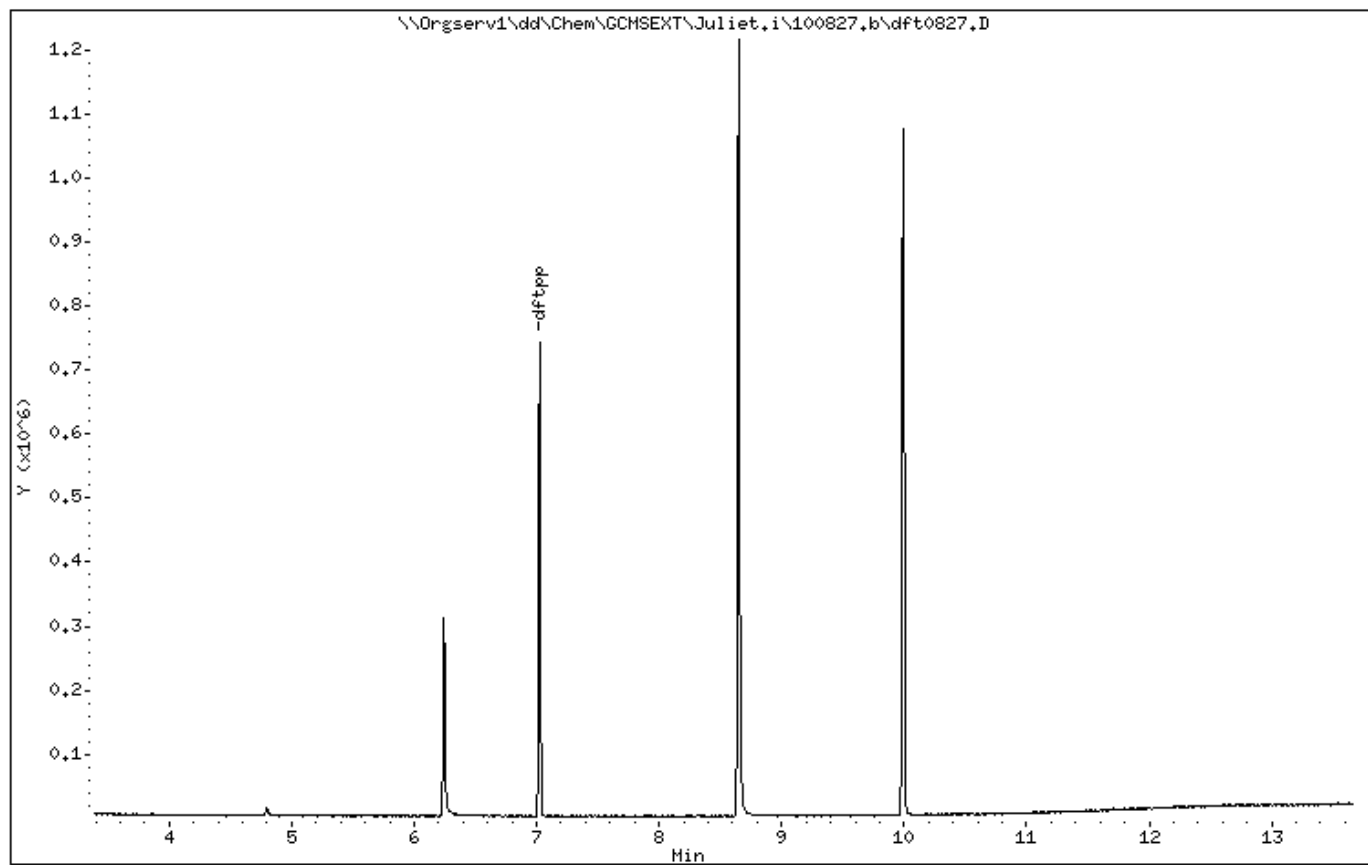
Instrument: Juliet.i

Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00



Date : 27-AUG-2010 10:17

Client ID:

Instrument: Juliet.i

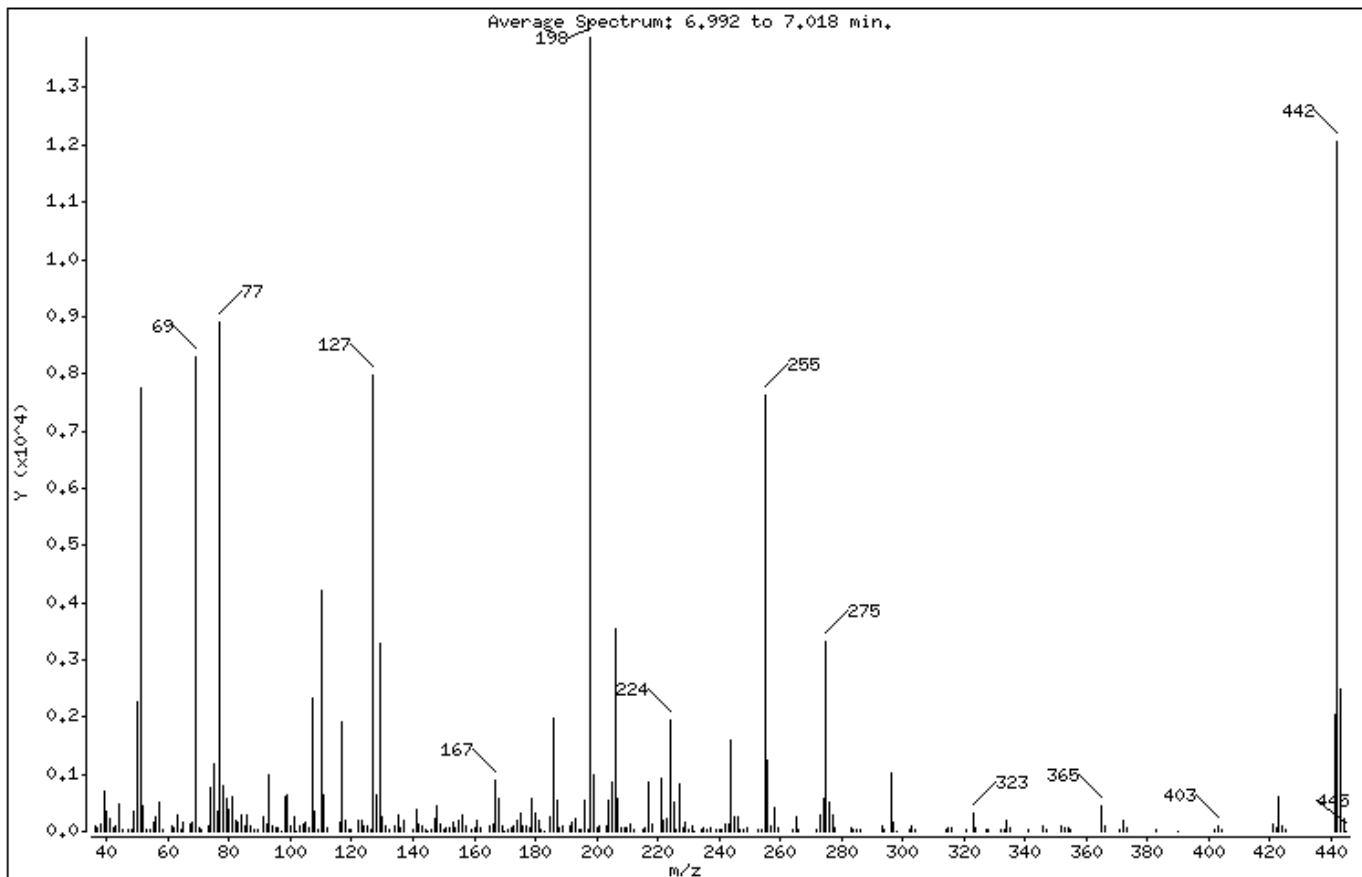
Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00

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	55.76
68	Less than 2.00% of mass 69	1.09 (1.82)
69	Mass 69 relative abundance	59.83
70	Less than 2.00% of mass 69	0.40 (0.66)
127	40.00 - 60.00% of mass 198	57.56
197	Less than 1.00% of mass 198	0.27
199	5.00 - 9.00% of mass 198	7.23
275	10.00 - 30.00% of mass 198	23.97
365	Greater than 1.00% of mass 198	3.25
441	Present, but less than mass 443	14.75
442	40.00 - 99.99% of mass 198	86.99
443	17.00 - 23.00% of mass 442	17.90 (20.58)

Date : 27-AUG-2010 10:17

Client ID:

Instrument: Juliet.i

Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00

Data File: dft0827.D

Spectrum: Average Spectrum: 6.992 to 7.018 min.

Location of Maximum: 198.00

Number of points: 257

m/z	Y	m/z	Y	m/z	Y	m/z	Y

36.00	110	107.00	2315	182.00	39	259.00	60
37.00	76	108.00	351	183.00	15	264.00	25
38.00	132	109.00	47	185.00	240	265.00	248
39.00	702	110.00	4202	186.00	1963	266.00	39
40.00	355	111.00	653	187.00	534	272.00	27

41.00	219	112.00	73	188.00	63	273.00	285
42.00	63	116.00	157	189.00	95	274.00	584
43.00	107	117.00	1913	191.00	87	275.00	3326
44.00	464	118.00	181	192.00	169	276.00	520
45.00	43	119.00	16	193.00	231	277.00	286

47.00	41	120.00	17	194.00	28	278.00	53
48.00	35	122.00	178	195.00	24	283.00	56
49.00	352	123.00	182	196.00	529	284.00	20
50.00	2266	124.00	103	197.00	38	285.00	30
51.00	7738	125.00	90	198.00	13877	286.00	19

52.00	443	126.00	20	199.00	1003	293.00	92
53.00	20	127.00	7988	200.00	50	294.00	16
54.00	34	128.00	643	201.00	87	296.00	1019
55.00	175	129.00	3296	203.00	105	297.00	163
56.00	246	130.00	270	204.00	528	298.00	13

57.00	525	131.00	80	205.00	849	302.00	19
58.00	20	132.00	23	206.00	3532	303.00	103
61.00	86	134.00	95	207.00	566	304.00	31
62.00	61	135.00	295	208.00	70	314.00	38
63.00	292	136.00	59	209.00	55	315.00	71

64.00	43	137.00	185	210.00	73	316.00	61
65.00	169	140.00	19	211.00	142	321.00	32
67.00	126	141.00	387	212.00	18	323.00	317
68.00	151	142.00	143	215.00	18	324.00	66
69.00	8302	143.00	83	216.00	62	327.00	40

70.00	55	144.00	41	217.00	872	328.00	38
71.00	40	145.00	13	218.00	127	332.00	28
73.00	104	146.00	44	221.00	938	333.00	32
74.00	769	147.00	216	222.00	176	334.00	207
75.00	1175	148.00	447	223.00	227	335.00	56

Date : 27-AUG-2010 10:17

Client ID:

Instrument: Juliet.i

Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00

Data File: dft0827.D

Spectrum: Average Spectrum: 6.992 to 7.018 min.

Location of Maximum: 198.00

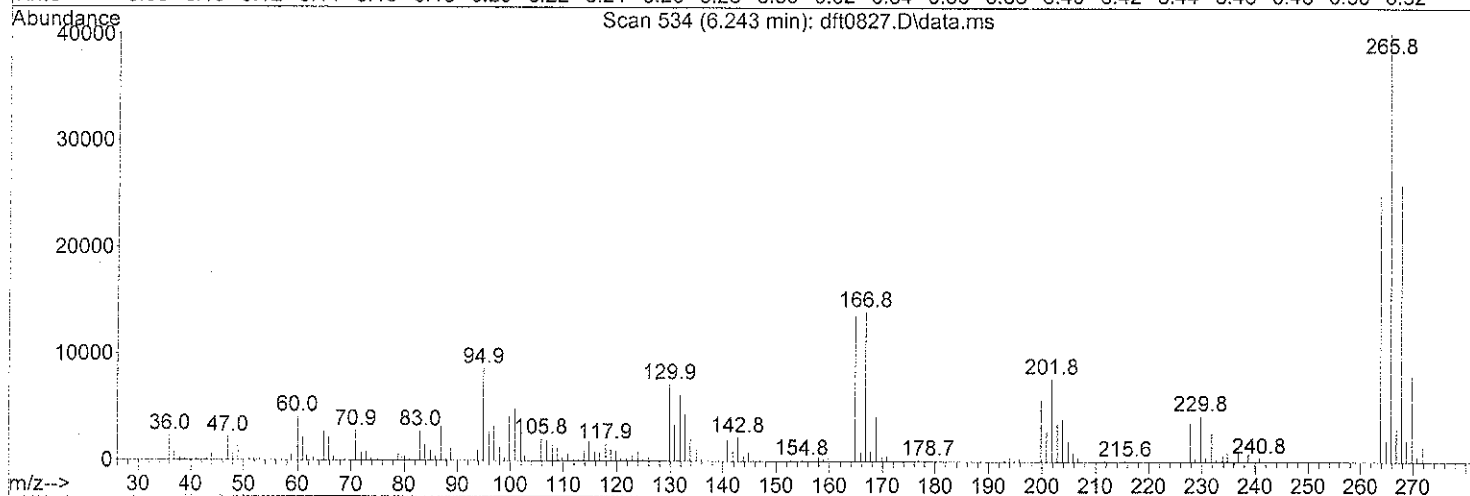
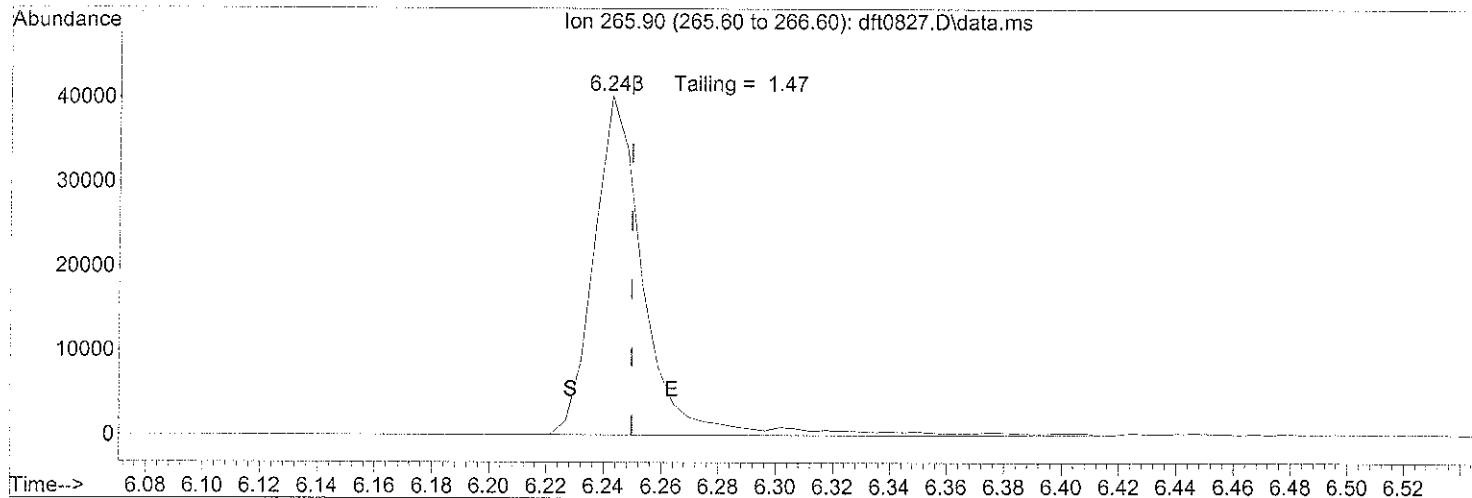
Number of points: 257

m/z	Y	m/z	Y	m/z	Y	m/z	Y
+-----+-----+-----+-----+-----+-----+-----+-----+							
76.00	353	149.00	117	224.00	1957	341.00	28
77.00	8900	150.00	18	225.00	510	346.00	92
78.00	792	151.00	71	226.00	35	347.00	20
79.00	562	152.00	51	227.00	829	352.00	101
80.00	397	153.00	144	228.00	63	353.00	66
+-----+-----+-----+-----+-----+-----+-----+-----+							
81.00	620	154.00	63	229.00	163	354.00	78
82.00	203	155.00	191	230.00	37	355.00	31
83.00	145	156.00	298	231.00	84	365.00	451
84.00	297	157.00	107	232.00	14	366.00	91
85.00	92	159.00	28	234.00	32	371.00	24
+-----+-----+-----+-----+-----+-----+-----+-----+							
86.00	280	160.00	75	235.00	67	372.00	179
87.00	84	161.00	204	236.00	20	373.00	54
88.00	38	162.00	69	237.00	58	383.00	38
89.00	21	165.00	107	239.00	42	390.00	13
91.00	251	166.00	129	240.00	18	402.00	45
+-----+-----+-----+-----+-----+-----+-----+-----+							
92.00	122	167.00	899	241.00	42	403.00	96
93.00	978	168.00	563	242.00	131	404.00	16
94.00	86	169.00	86	243.00	133	421.00	123
95.00	72	170.00	14	244.00	1581	422.00	76
96.00	65	171.00	43	245.00	255	423.00	599
+-----+-----+-----+-----+-----+-----+-----+-----+							
97.00	14	172.00	73	246.00	254	424.00	107
98.00	612	173.00	109	247.00	36	425.00	17
99.00	630	174.00	183	248.00	27	441.00	2047
100.00	101	175.00	305	249.00	56	442.00	12071
101.00	268	176.00	106	253.00	20	443.00	2484
+-----+-----+-----+-----+-----+-----+-----+-----+							
102.00	13	177.00	99	254.00	41	444.00	216
103.00	108	178.00	57	255.00	7639	445.00	15
104.00	135	179.00	570	256.00	1245		
105.00	159	180.00	304	257.00	107		
106.00	68	181.00	206	258.00	413		
+-----+-----+-----+-----+-----+-----+-----+-----+							

Quantitation Report (Qedit)

Data Path : F:\Chem\GCMSEXT\Juliet.i\100827.b\
 Data File : dft0827.D
 Acq On : 27 Aug 2010 10:17 am
 Operator : hl
 Sample : dftpp
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 28 08:46:39 2010
 Quant Method : C:\EnvDemo\Juliet-tailing.m
 Quant Title : dftpp
 QLast Update : Thu Sep 20 13:33:06 2007
 Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



TIC: dft0827.D\data.ms

(1) pentachlorophenol (T)

6.243min (-0.007) 22.48

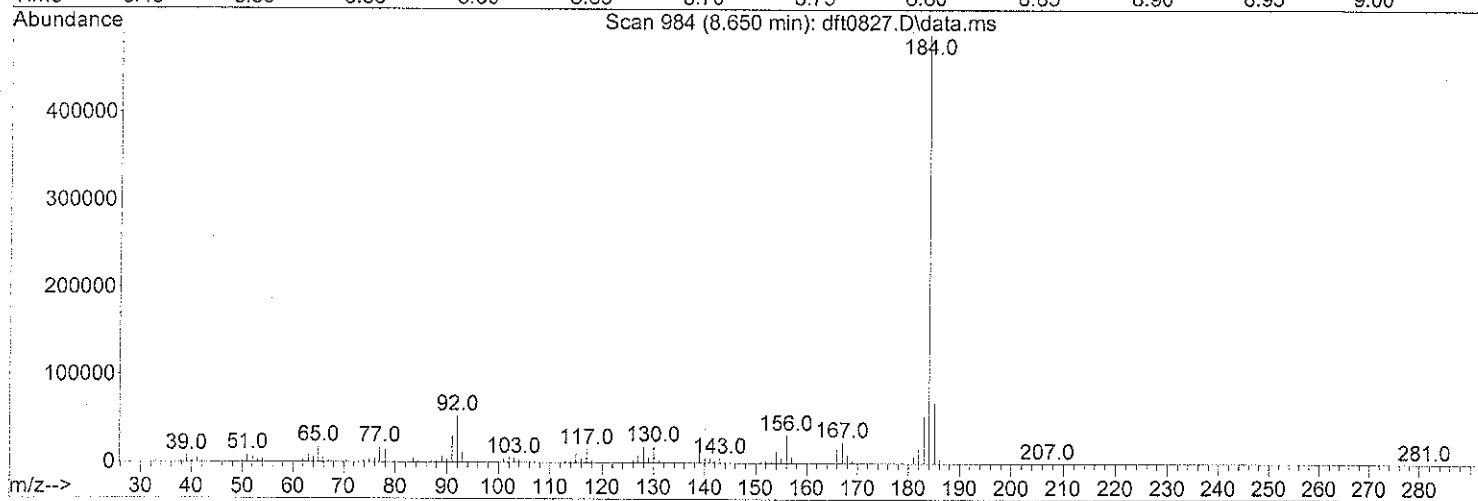
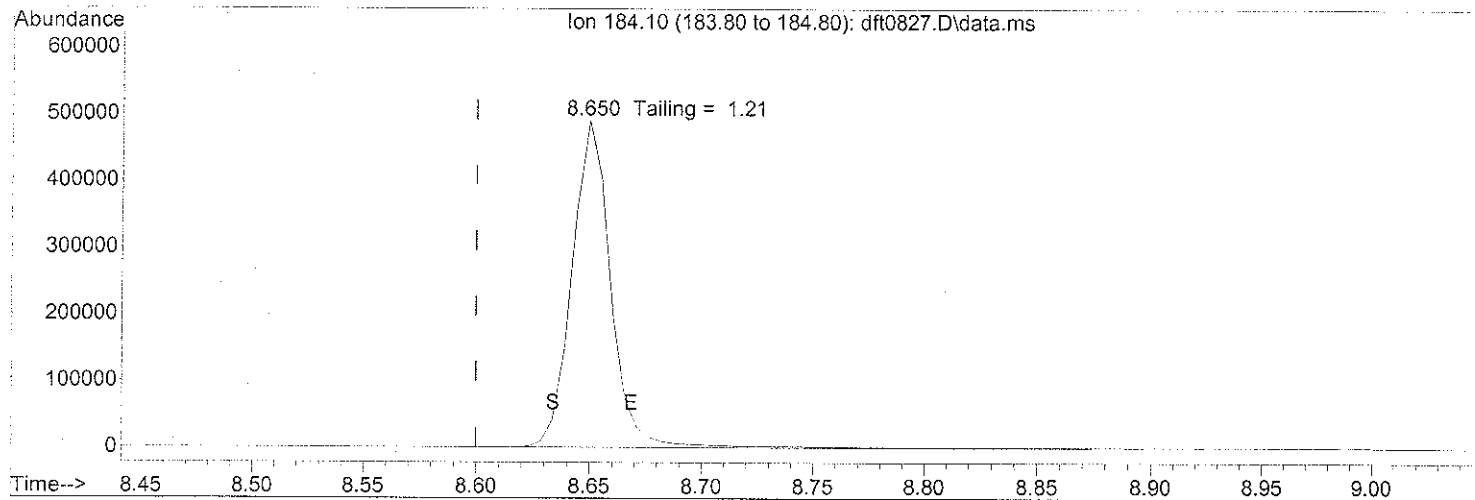
response 47222

Ion	Exp%	Act%
265.90	100	100
0.00	63.50	0.00
0.00	61.80	0.00
0.00	41.90	0.00

Quantitation Report (Qedit)

Data Path : F:\Chem\GCMSEXT\Juliet.i\100827.b\
 Data File : dft0827.D
 Acq On : 27 Aug 2010 10:17 am
 Operator : hl
 Sample : dftpp
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 28 08:46:39 2010
 Quant Method : C:\EnvDemo\Juliet-tailing.m
 Quant Title : dftpp
 QLast Update : Thu Sep 20 13:33:06 2007
 Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



TIC: dft0827.D\data.ms

(3) benzidine (T)

8.650min (+0.050) 57.68

response 587214

Ion	Exp%	Act%
184.10	100	100
0.00	13.30	0.00
0.00	12.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825a.b\429159-1.D
Lab Smp Id:
Inj Date : 25-AUG-2010 07:00
Operator : jb Inst ID: Juliet.i
Smp Info : wg429159-1,32,8270tcl,jb
Misc Info : wg429508,wg429159,ICAL5274
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825a.b\HP2ABNV2.m
Meth Date : 26-Aug-2010 06:22 jbenenson Quant Type: ISTD
Cal Date : 23-AUG-2010 18:39 Cal File: ap9l5.D
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270nytcl.sub
Target Version: 4.12
Processing Host: EXT-3

Concentration Formula: Amt * DF * 1000 * 1/Vo*vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Sample Volume Extracted (mL)
vf	1.000	Extract Final Volume (mL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS				
		QUANT	SIG			ON-COLUMN	FINAL			
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)	REVIEW CODE	
=====		=====	=====	=====	=====	=====	=====	=====	=====	
\$	3 2-Fluorophenol	112	3.075	3.075	(0.744)	103580	18.8318	18.8		
\$	7 Phenol-d6	99	3.862	3.862	(0.934)	80476	12.0727	12.1		
	8 Phenol	94	Compound Not Detected.							
	11 Bis(2-chloroethyl)ether	93	Compound Not Detected.							
	12 2-Chlorophenol	128	Compound Not Detected.							
	13 1,3-Dichlorobenzene	146	Compound Not Detected.							
*	15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	185067	40.0000			
	16 1,4-Dichlorobenzene	146	Compound Not Detected.							
	17 Benzyl alcohol	79	Compound Not Detected.							
	18 1,2-Dichlorobenzene	146	Compound Not Detected.							
	19 2-Methylphenol	108	Compound Not Detected.							
	20 Bis(2-chloroisopropyl)ether	45	Compound Not Detected.							
	22 3-Methylphenol/4-Methylphenol	108	Compound Not Detected.							
	23 Acetophenone	105	Compound Not Detected.							
	24 n-Nitrosodi-n-propylamine	70	Compound Not Detected.							
	26 Hexachloroethane	117	Compound Not Detected.							
\$	28 Nitrobenzene-d5	82	4.600	4.605	(1.113)	97932	16.8879	16.9		
	29 Nitrobenzene	77	Compound Not Detected.							
	30 Isophorone	82	Compound Not Detected.							
	32 2-Nitrophenol	139	Compound Not Detected.							
	33 2,4-Dimethylphenol	107	Compound Not Detected.							
	36 Bis(2-chloroethoxy)methane	93	Compound Not Detected.							

Compounds	QUANT SIG MASS					CONCENTRATIONS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
34 Benzoic acid	105	Compound	Not	Detected.				
37 2,4-Dichlorophenol	162	Compound	Not	Detected.				
38 1,2,4-Trichlorobenzene	180	Compound	Not	Detected.				
* 39 Naphthalene-d8	136	5.226	5.225	(1.000)	675328	40.0000		
40 Naphthalene	128	Compound	Not	Detected.				
43 4-Chloroaniline	65	Compound	Not	Detected.				
44 Hexachlorobutadiene	225	Compound	Not	Detected.				
50 p-Chloro-m-cresol	107	Compound	Not	Detected.				
51 2-Methylnaphthalene	142	Compound	Not	Detected.				
54 1,2,4,5-Tetrachlorobenzene	216	Compound	Not	Detected.				
55 Hexachlorocyclopentadiene	237	Compound	Not	Detected.				
56 2,4,6-Trichlorophenol	196	Compound	Not	Detected.				
57 2,4,5-Trichlorophenol	196	Compound	Not	Detected.				
\$ 58 2-Fluorobiphenyl	172	6.167	6.167	(1.180)	232502	15.0694	15.1	
59 Biphenyl	154	Compound	Not	Detected.				
60 2-Chloronaphthalene	162	Compound	Not	Detected.				
62 2-Nitroaniline	138	Compound	Not	Detected.				
66 Dimethyl phthalate	163	Compound	Not	Detected.				
69 2,6-Dinitrotoluene	165	Compound	Not	Detected.				
70 Acenaphthylene	152	Compound	Not	Detected.				
72 3-Nitroaniline	138	Compound	Not	Detected.				
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	440470	40.0000		
75 Acenaphthene	154	Compound	Not	Detected.				
76 2,4-Dinitrophenol	184	Compound	Not	Detected.				
77 4-Nitrophenol	65	Compound	Not	Detected.				
78 Dibenzofuran	168	Compound	Not	Detected.				
80 2,4-Dinitrotoluene	165	Compound	Not	Detected.				
83 Diethyl phthalate	149	Compound	Not	Detected.				
84 4-Chlorophenyl phenyl ether	204	Compound	Not	Detected.				
85 Fluorene	166	Compound	Not	Detected.				
86 4-Nitroaniline	138	Compound	Not	Detected.				
87 4,6-Dinitro-o-cresol	198	Compound	Not	Detected.				
88 NDPA/DPA	169	Compound	Not	Detected.				
\$ 91 2,4,6-Tribromophenol	330	7.445	7.445	(0.926)	192891	40.6965	40.7	
94 4-Bromophenyl phenyl ether	248	Compound	Not	Detected.				
97 Hexachlorobenzene	284	Compound	Not	Detected.				
100 Pentachlorophenol	266	Compound	Not	Detected.				
* 102 Phenanthrene-d10	188	8.044	8.050	(1.000)	793115	40.0000		
103 Phenanthrene	178	Compound	Not	Detected.				
104 Anthracene	178	Compound	Not	Detected.				
106 Carbazole	167	Compound	Not	Detected.				
109 Di-n-butylphthalate	149	Compound	Not	Detected.				
115 Fluoranthene	202	Compound	Not	Detected.				
119 Pyrene	202	Compound	Not	Detected.				
\$ 120 4-Terphenyl-d14	244	9.531	9.531	(1.185)	497415	23.4385	23.4	
122 Butyl benzyl phthalate	149	Compound	Not	Detected.				
128 Benzo(a)anthracene	228	Compound	Not	Detected.				
127 3,3'-Dichlorobenzidine	252	Compound	Not	Detected.				
* 129 Chrysene-d12	240	10.863	10.863	(1.000)	1231898	40.0000		
131 Chrysene	228	Compound	Not	Detected.				
132 Bis(2-ethylhexyl)phthalate	149	Compound	Not	Detected.				
137 Di-n-octylphthalate	149	Compound	Not	Detected.				
138 Benzo(b)fluoranthene	252	Compound	Not	Detected.				
139 Benzo(k)fluoranthene	252	Compound	Not	Detected.				

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
141 Benzo(a)pyrene	252	Compound Not Detected.							
* 143 Perylene-d12	264	13.195	13.195	(1.000)	1482895	40.0000			
146 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.							
147 Dibenzo(a,h)anthracene	278	Compound Not Detected.							
149 Benzo(ghi)perylene	276	Compound Not Detected.							

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: 429159-1.D

Calibration Date: 25-AUG-2010
Calibration Time: 06:36

Lab Smp Id:
Analysis Type: SV

Level: LOW
Sample Type: WATER

Quant Type: ISTD

Operator: jb

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825a.b\HP2ABNv2.m

Misc Info: wg429508,wg429159,ICAL5274

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	189291	94646	378582	185067	-2.23
39 Naphthalene-d8	726069	363035	1452138	675328	-6.99
74 Acenaphthene-d10	475154	237577	950308	440470	-7.30
102 Phenanthrene-d10	904238	452119	1808476	793115	-12.29
129 Chrysene-d12	1362412	681206	2724824	1231898	-9.58
143 Perylene-d12	1661748	830874	3323496	1482895	-10.76

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	0.00
102 Phenanthrene-d10	8.05	7.55	8.55	8.04	-0.07
129 Chrysene-d12	10.86	10.36	11.36	10.86	0.00
143 Perylene-d12	13.20	12.70	13.70	13.20	0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: 100825.b
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id:
Level: LOW Operator: jb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 8270tclspkaq40.spk Quant Type: ISTD
Sublist File: 8270nytcl.sub
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825a.b\HP2ABNv2.m
Misc Info: wg429508, wg429159, ICAL5274

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 3 2-Fluorophenol	50.0	18.8	37.66	21-120
\$ 7 Phenol-d6	50.0	12.1	24.15	10-120
\$ 28 Nitrobenzene-d5	25.0	16.9	67.55	23-120
\$ 58 2-Fluorobiphenyl	25.0	15.1	60.28	43-120
\$ 91 2,4,6-Tribromophen	50.0	40.7	81.39	10-120
\$ 120 4-Terphenyl-d14	25.0	23.4	93.75	33-120

Date : 25-AUG-2010 07:00

Client ID:

Instrument: Juliet.i

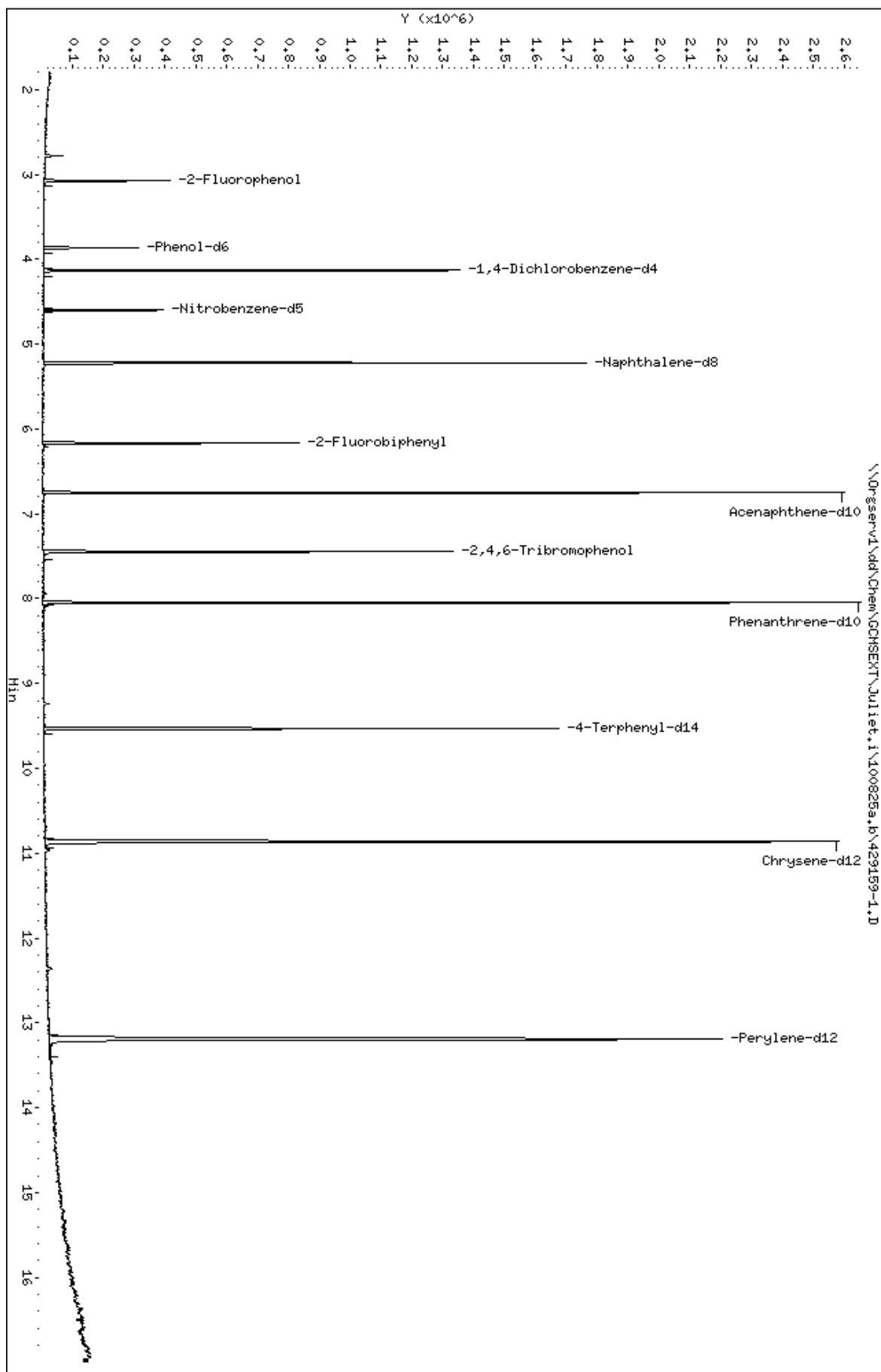
Sample Info: wg429159-1,32,8270tol,jb

Purge Volume: 1000.0

Operator: jb

Column phase: RTX-5

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825pa.b\429159-2.D
Lab Smp Id:
Inj Date : 25-AUG-2010 07:25
Operator : jb Inst ID: Juliet.i
Smp Info : wg429159-2p,32,8270tcl,jb
Misc Info : wg429508,wg429159,ICAL5274
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825pa.b\HP2ABNv2.m
Meth Date : 30-Aug-2010 14:11 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 18:39 Cal File: ap9l5.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270tclspk.sub
Target Version: 4.12
Processing Host: EXT-3

Concentration Formula: Amt * DF * 1000 * 1/Vo*vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Sample Volume Extracted (mL)
vf	1.000	Extract Final Volume (mL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS		
QUANT SIG						ON-COLUMN	FINAL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)	REVIEW CODE
=====	=====	====	=====	=====	=====	=====	=====	=====
\$ 3 2-Fluorophenol	112	3.075	3.075	(0.744)	115310	19.6649	19.7	
\$ 7 Phenol-d6	99	3.862	3.862	(0.934)	86872	12.2243	12.2	
8 Phenol	94	Compound Not Detected.						
12 2-Chlorophenol	128	3.969	3.969	(0.960)	209835	31.5848	31.6	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	197297	40.0000		
16 1,4-Dichlorobenzene	146	4.145	4.145	(1.003)	208497	27.5223	27.5	
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	206207	28.9663	29.0	
24 n-Nitrosodi-n-propylamine	70	4.477	4.482	(1.083)	115492	29.3273	29.3	
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	106854	17.2843	17.3	
32 2-Nitrophenol	139	4.894	4.899	(1.184)	114282	30.3422	30.3	
38 1,2,4-Trichlorobenzene	180	5.177	5.183	(0.991)	213441	28.0970	28.1	
* 39 Naphthalene-d8	136	5.225	5.225	(1.000)	751617	40.0000		
50 p-Chloro-m-cresol	107	5.739	5.744	(1.098)	188258	32.1806	32.2	
\$ 58 2-Fluorobiphenyl	172	6.167	6.167	(1.180)	291006	16.9469	16.9	
60 2-Chloronaphthalene	162	6.268	6.269	(1.200)	556558	39.2103	39.2	
69 2,6-Dinitrotoluene	165	6.568	6.573	(1.257)	126727	32.4041	32.4	
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	485991	40.0000		
75 Acenaphthene	154	6.777	6.782	(1.004)	402265	32.0606	32.1	
76 2,4-Dinitrophenol	184	6.814	6.814	(1.010)	56068	26.5710	26.6	
77 4-Nitrophenol	65	Compound Not Detected.						
80 2,4-Dinitrotoluene	165	6.926	6.926	(1.026)	181296	38.6948	38.7	
84 4-Chlorophenyl phenyl ether	204	7.231	7.231	(1.071)	267644	31.6465	31.6	
\$ 91 2,4,6-Tribromophenol	330	Compound Not Detected.						

Compounds	QUANT SIG	CONCENTRATIONS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
100 Pentachlorophenol	266	7.900	7.900	(0.981)	128633	30.7274	30.7	
* 102 Phenanthrene-d10	188	8.050	8.050	(1.000)	921922	40.0000		
104 Anthracene	178	8.114	8.114	(1.008)	874139	34.4720	34.5	
115 Fluoranthene	202	9.135	9.135	(1.135)	1059329	36.5229	36.5	
119 Pyrene	202	9.360	9.360	(1.163)	1126984	34.0649	34.1	
\$ 120 4-Terphenyl-d14	244	9.531	9.531	(1.184)	521007	21.1201	21.1	
122 Butyl benzyl phthalate	149	10.119	10.125	(1.257)	523943	36.8793	36.9	
* 129 Chrysene-d12	240	10.868	10.863	(1.000)	1373576	40.0000		
* 143 Perylene-d12	264	13.195	13.195	(1.000)	1643949	40.0000		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: 429159-2.D

Calibration Date: 25-AUG-2010
Calibration Time: 06:36

Lab Smp Id:
Analysis Type: SV

Level: LOW
Sample Type: WATER

Quant Type: ISTD

Operator: jb

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825pa.b\HP2ABNv2.m

Misc Info: wg429508,wg429159,ICAL5274

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	189291	94646	378582	197297	4.23
39 Naphthalene-d8	726069	363035	1452138	751617	3.52
74 Acenaphthene-d10	475154	237577	950308	485991	2.28
102 Phenanthrene-d10	904238	452119	1808476	921922	1.96
129 Chrysene-d12	1362412	681206	2724824	1373576	0.82
143 Perylene-d12	1661748	830874	3323496	1643949	-1.07

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	-0.00
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	-0.00
129 Chrysene-d12	10.86	10.36	11.36	10.87	0.05
143 Perylene-d12	13.20	12.70	13.70	13.20	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: 100825.b
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id:
Level: LOW Operator: jb
Data Type: MS DATA SampleType: LCS
SpikeList File: 8270tclspkag40.spk Quant Type: ISTD
Sublist File: 8270tclspk.sub
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825pa.b\HP2ABNv2.m
Misc Info: wg429508, wg429159, ICAL5274

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
8 Phenol	40.0	0.000	*	12-110
12 2-Chlorophenol	40.0	31.6	78.96	27-123
16 1,4-Dichlorobenzene	40.0	27.5	68.81	36-97
18 1,2-Dichlorobenzene	40.0	29.0	72.42	40-140
24 n-Nitrosodi-n-prop	40.0	29.3	73.32	41-116
32 2-Nitrophenol	40.0	30.3	75.86	40-140
38 1,2,4-Trichloroben	40.0	28.1	70.24	39-98
50 p-Chloro-m-cresol	40.0	32.2	80.45	23-97
60 2-Chloronaphthalen	40.0	39.2	98.03	40-140
69 2,6-Dinitrotoluene	40.0	32.4	81.01	40-140
75 Acenaphthene	40.0	32.1	80.15	46-118
76 2,4-Dinitrophenol	40.0	26.6	66.43	20-130
77 4-Nitrophenol	40.0	0.000	*	10-80
80 2,4-Dinitrotoluene	40.0	38.7	96.74	30-130
84 4-Chlorophenyl phe	40.0	31.6	79.12	40-140
100 Pentachlorophenol	40.0	30.7	76.82	9-103
104 Anthracene	40.0	34.5	86.18	40-140
115 Fluoranthene	40.0	36.5	91.31	40-140
119 Pyrene	40.0	34.1	85.16	26-127
122 Butyl benzyl phtha	40.0	36.9	92.20	40-140

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 3 2-Fluorophenol	50.0	19.7	39.33	21-120
\$ 7 Phenol-d6	50.0	12.2	24.45	10-120
\$ 28 Nitrobenzene-d5	25.0	17.3	69.14	23-120
\$ 58 2-Fluorobiphenyl	25.0	16.9	67.79	15-120
\$ 91 2,4,6-Tribromophe	50.0	0.000	*	10-120
\$ 120 4-Terphenyl-d14	25.0	21.1	84.48	33-120

Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

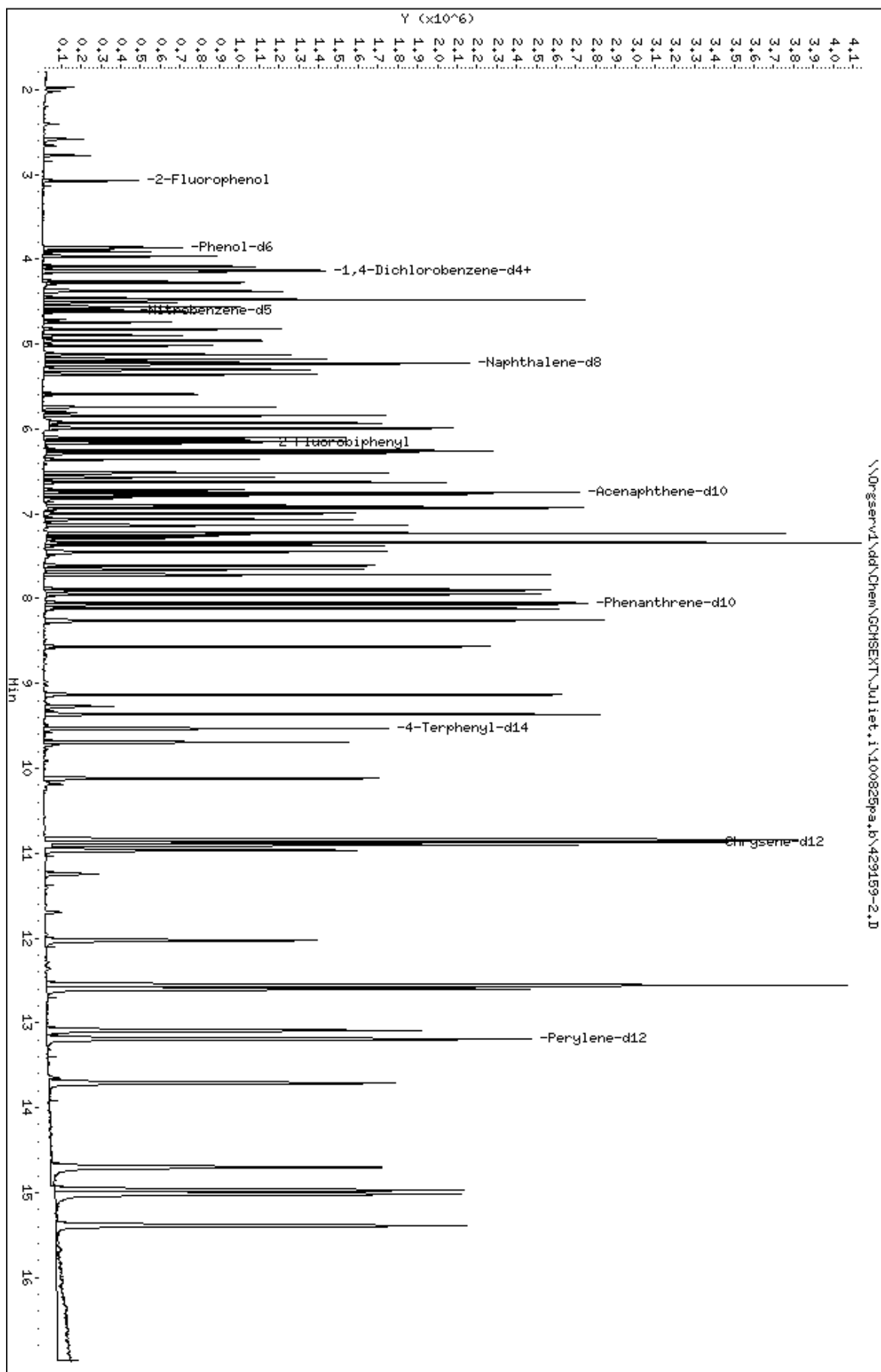
Sample Info: wg429159-2p,32,8270col.jib

Purge Volume: 1000.0

Operator: jib

Column phase: RTX-5

Column diameter: 0.32



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tcl,jb

Purge Volume: 1000.0

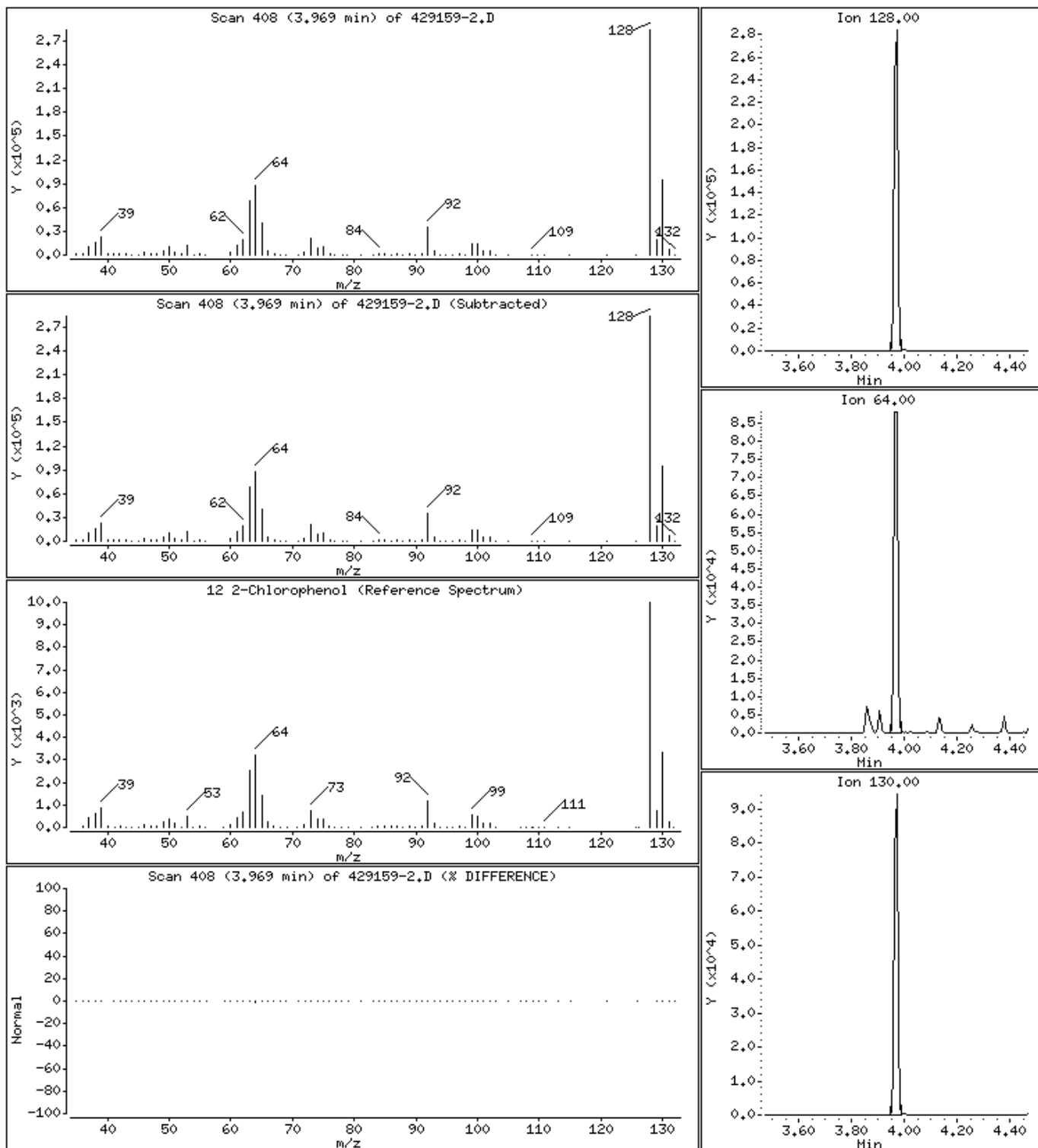
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

12 2-Chlorophenol

Concentration: 31.6 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tcl,jb

Purge Volume: 1000.0

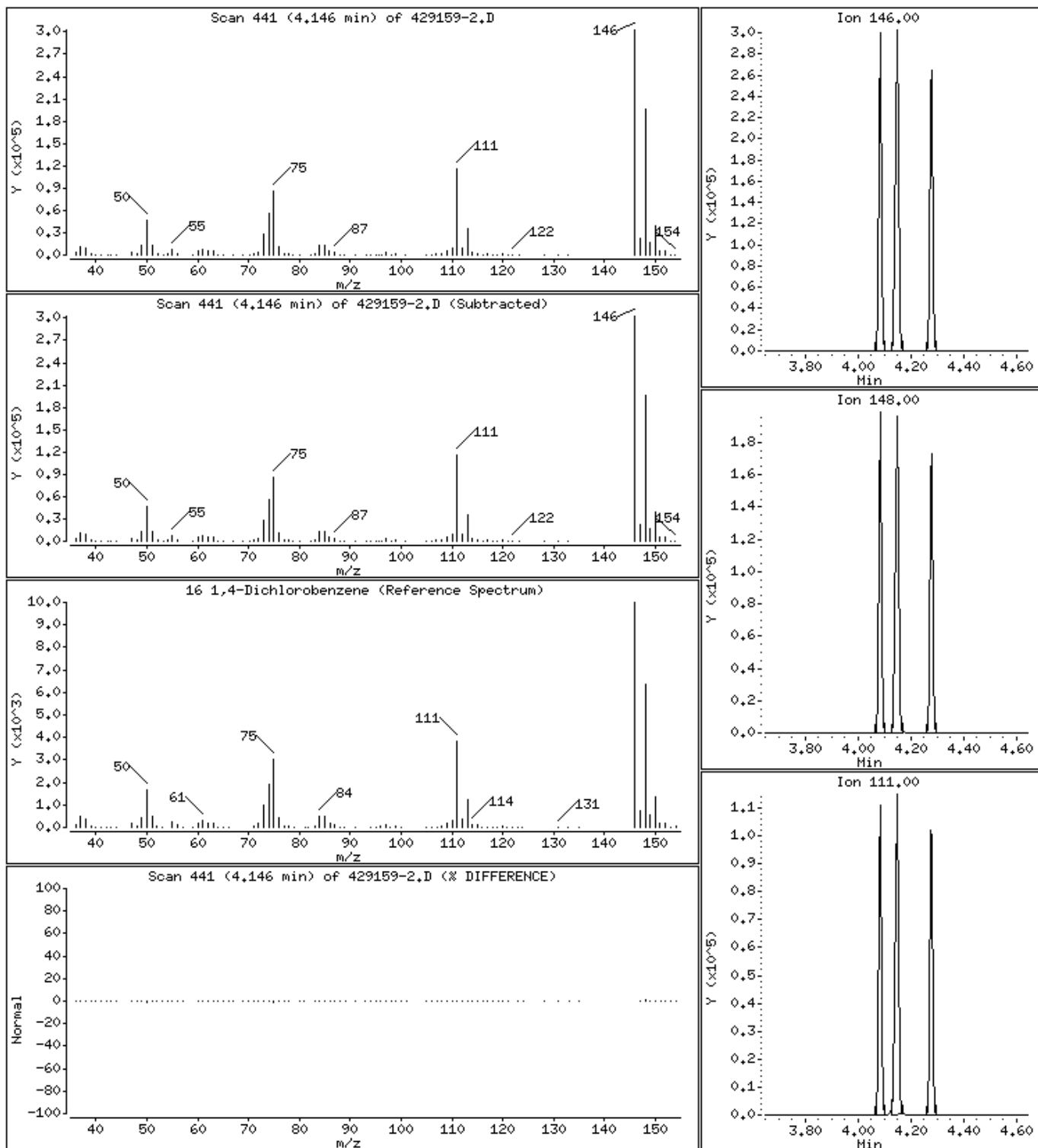
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

16 1,4-Dichlorobenzene

Concentration: 27.5 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tcl,jb

Purge Volume: 1000.0

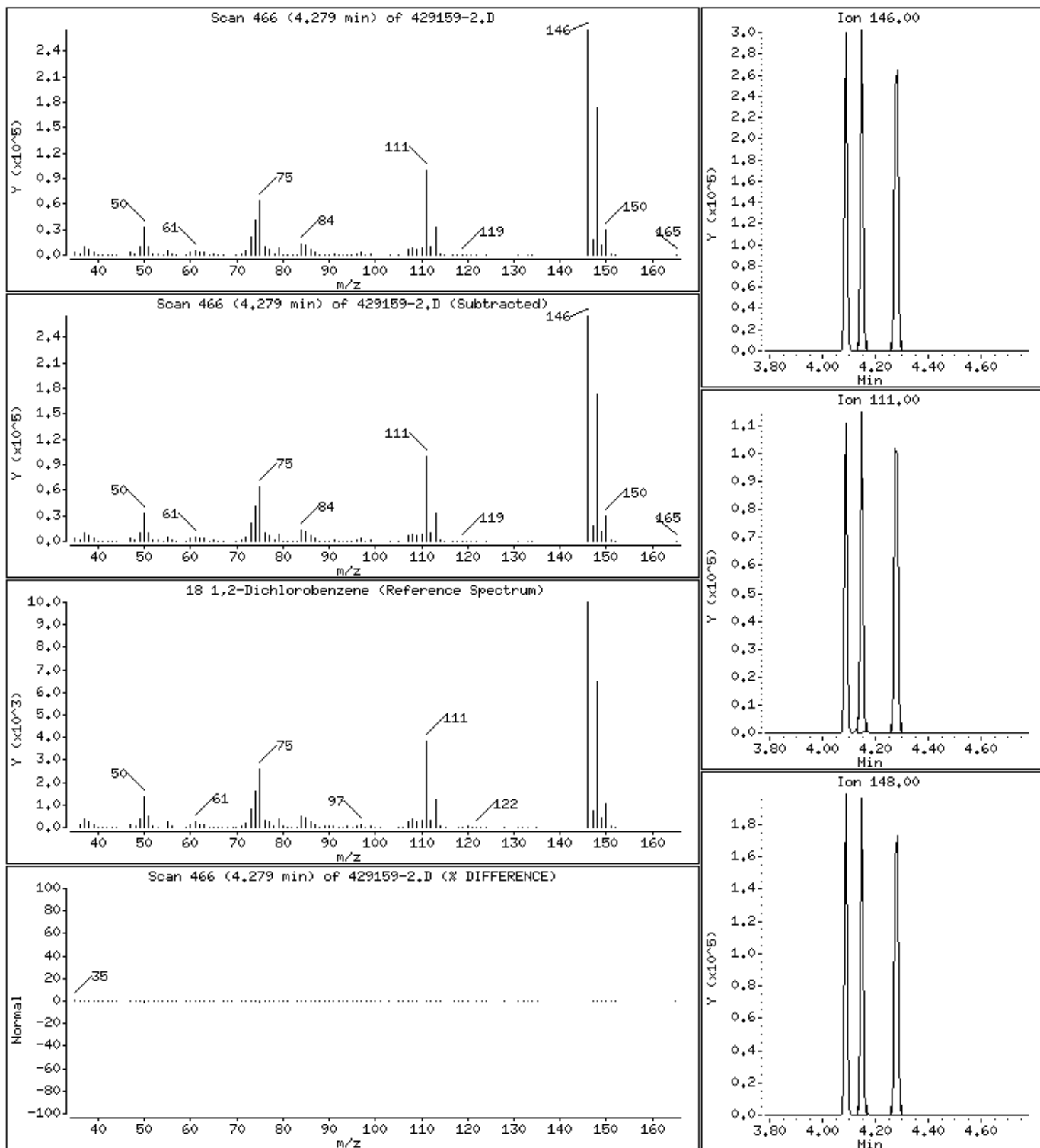
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

18 1,2-Dichlorobenzene

Concentration: 29.0 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tcl,jb

Purge Volume: 1000.0

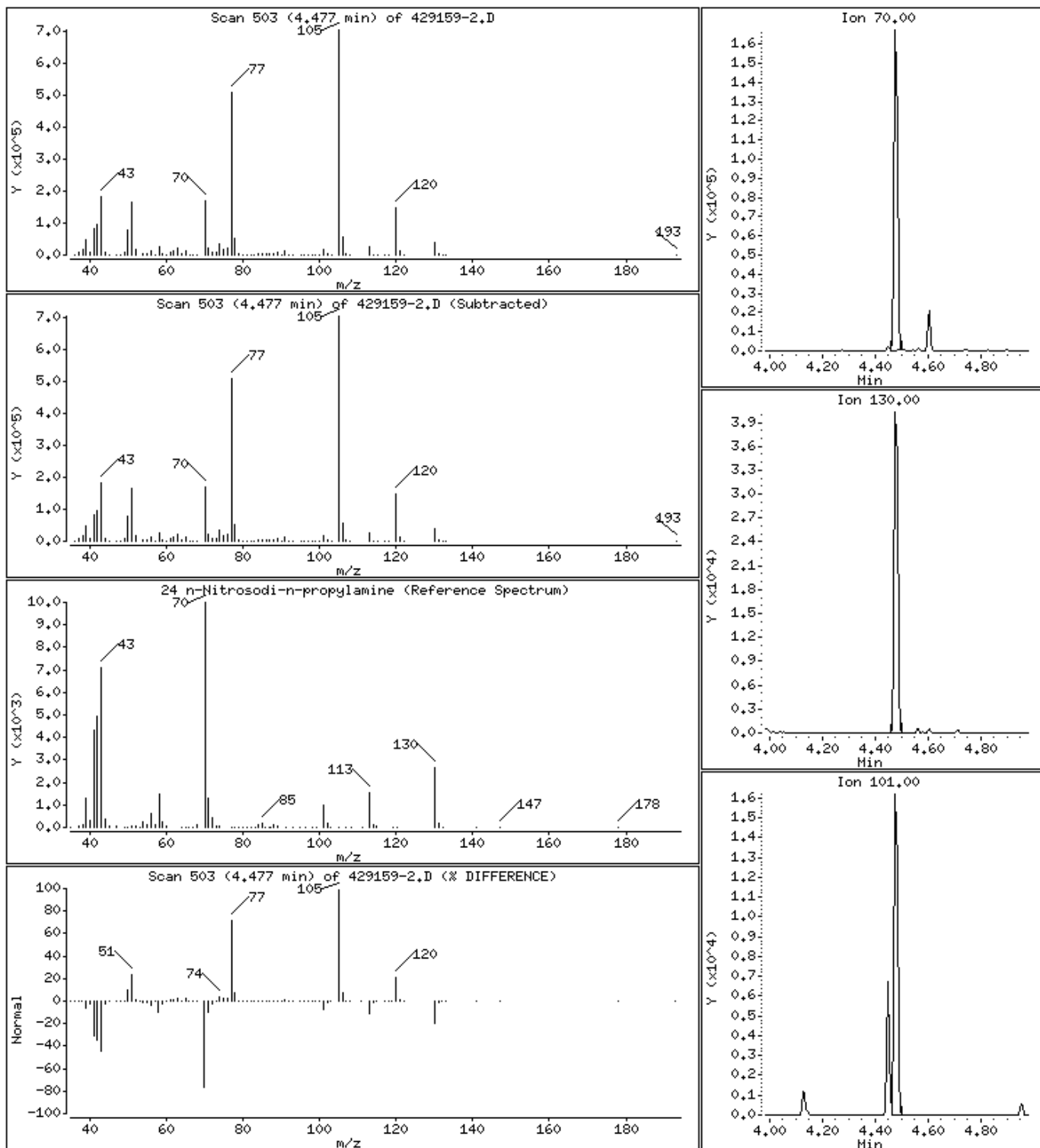
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

24 n-Nitrosodi-n-propylamine

Concentration: 29.3 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tcl,jb

Purge Volume: 1000.0

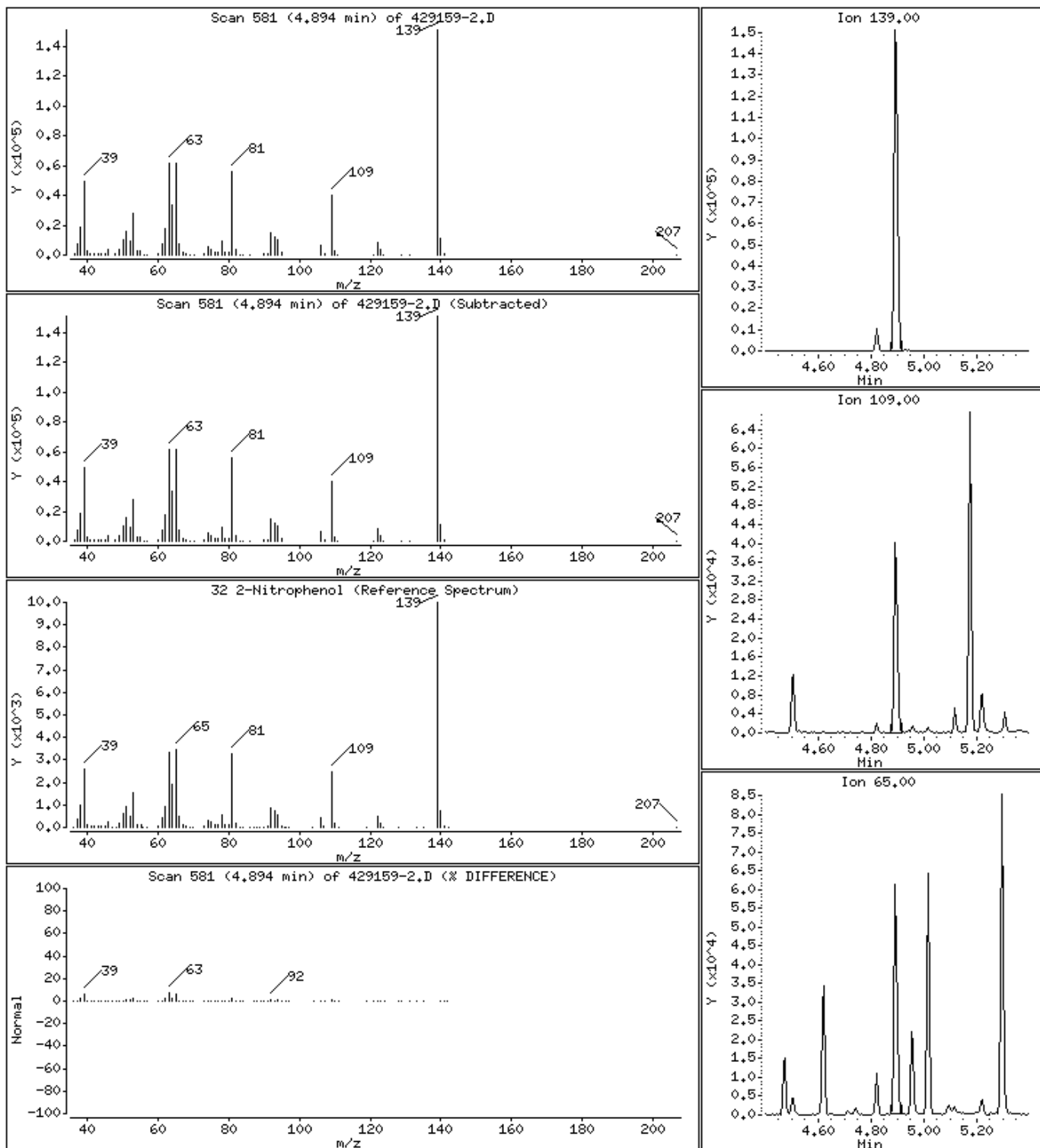
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

32 2-Nitrophenol

Concentration: 30.3 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tcl,jb

Purge Volume: 1000.0

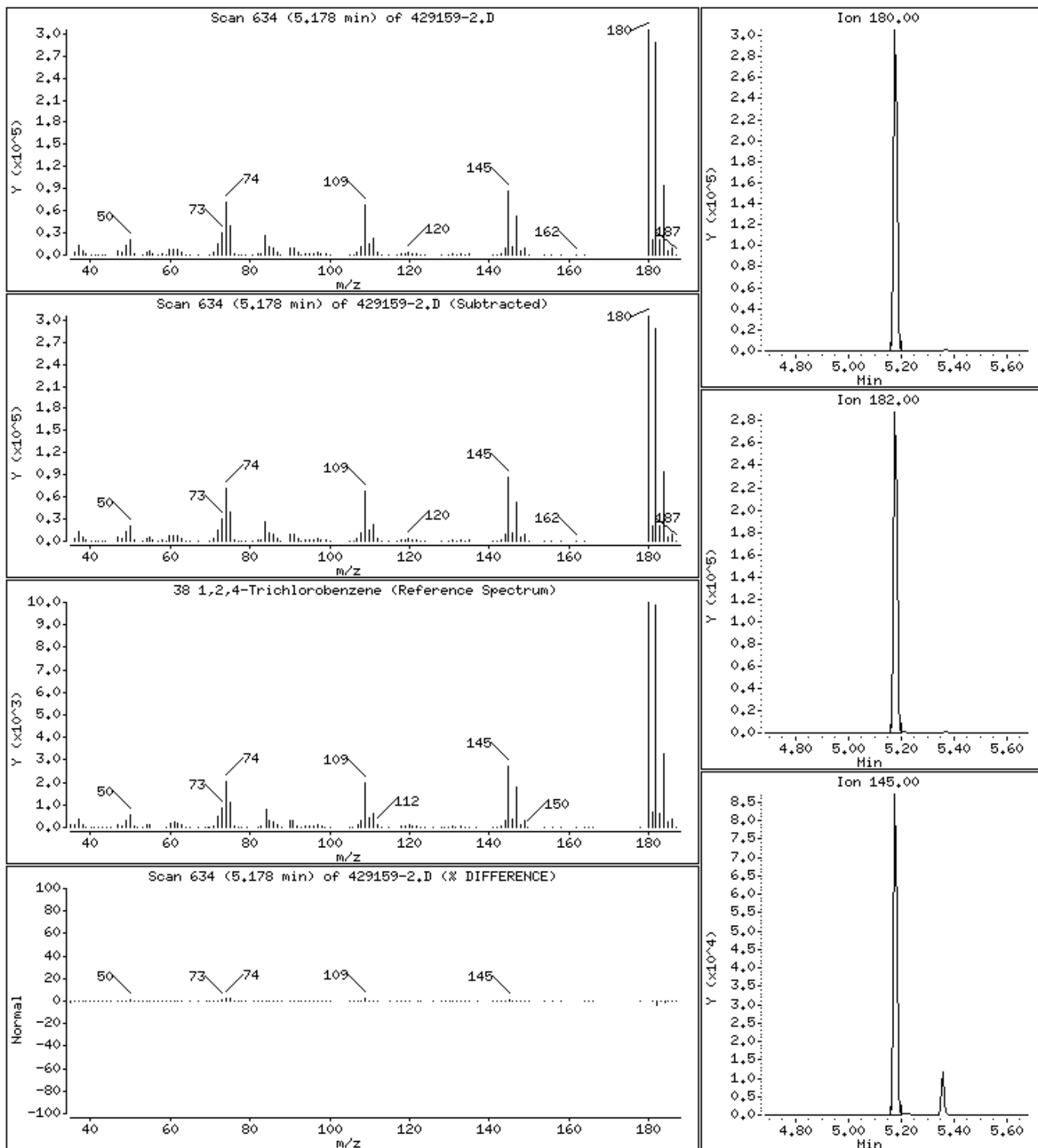
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

38 1,2,4-Trichlorobenzene

Concentration: 28.1 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tol,jb

Purge Volume: 1000.0

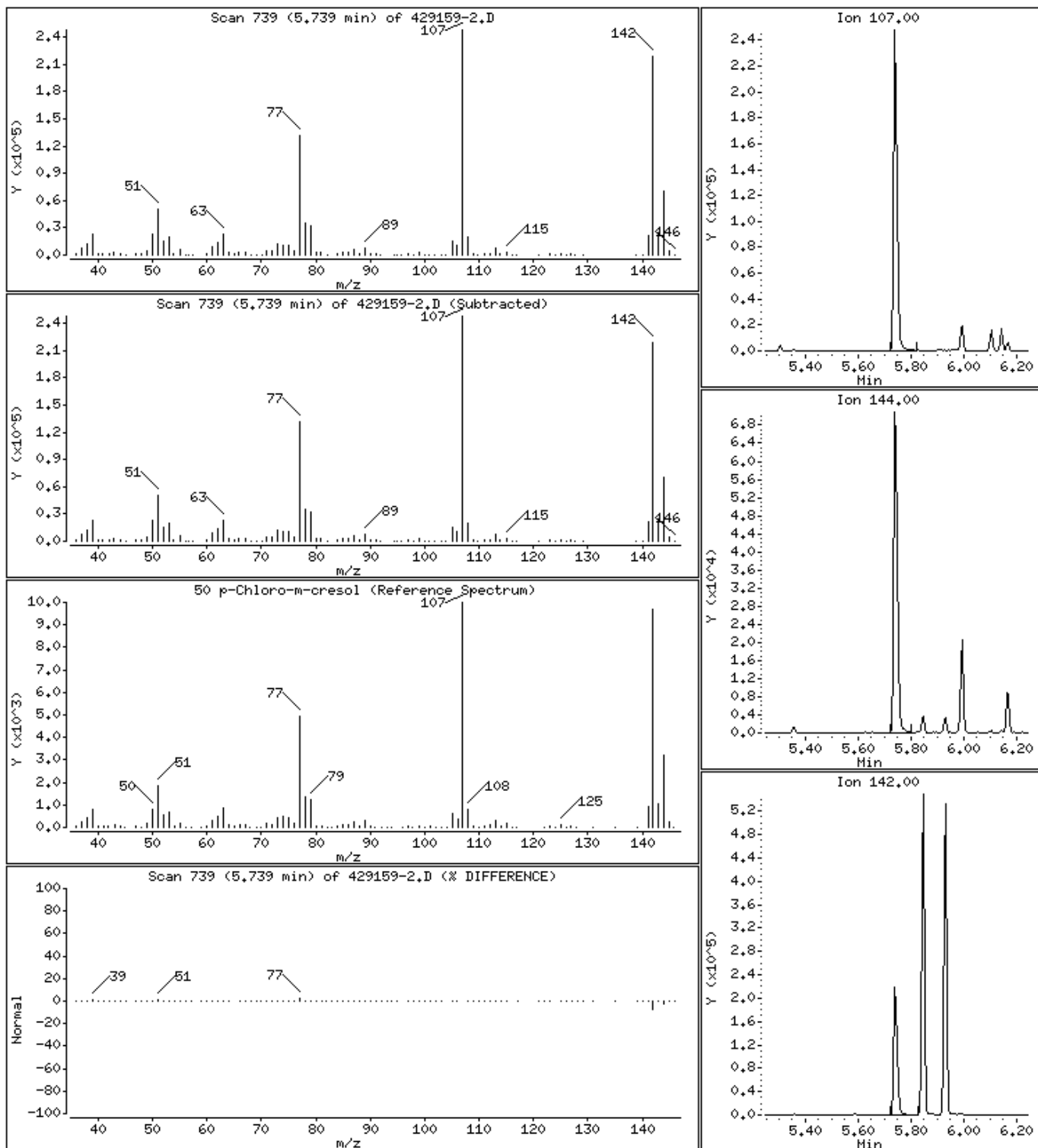
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

50 p-Chloro-m-cresol

Concentration: 32.2 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tcl,jb

Purge Volume: 1000.0

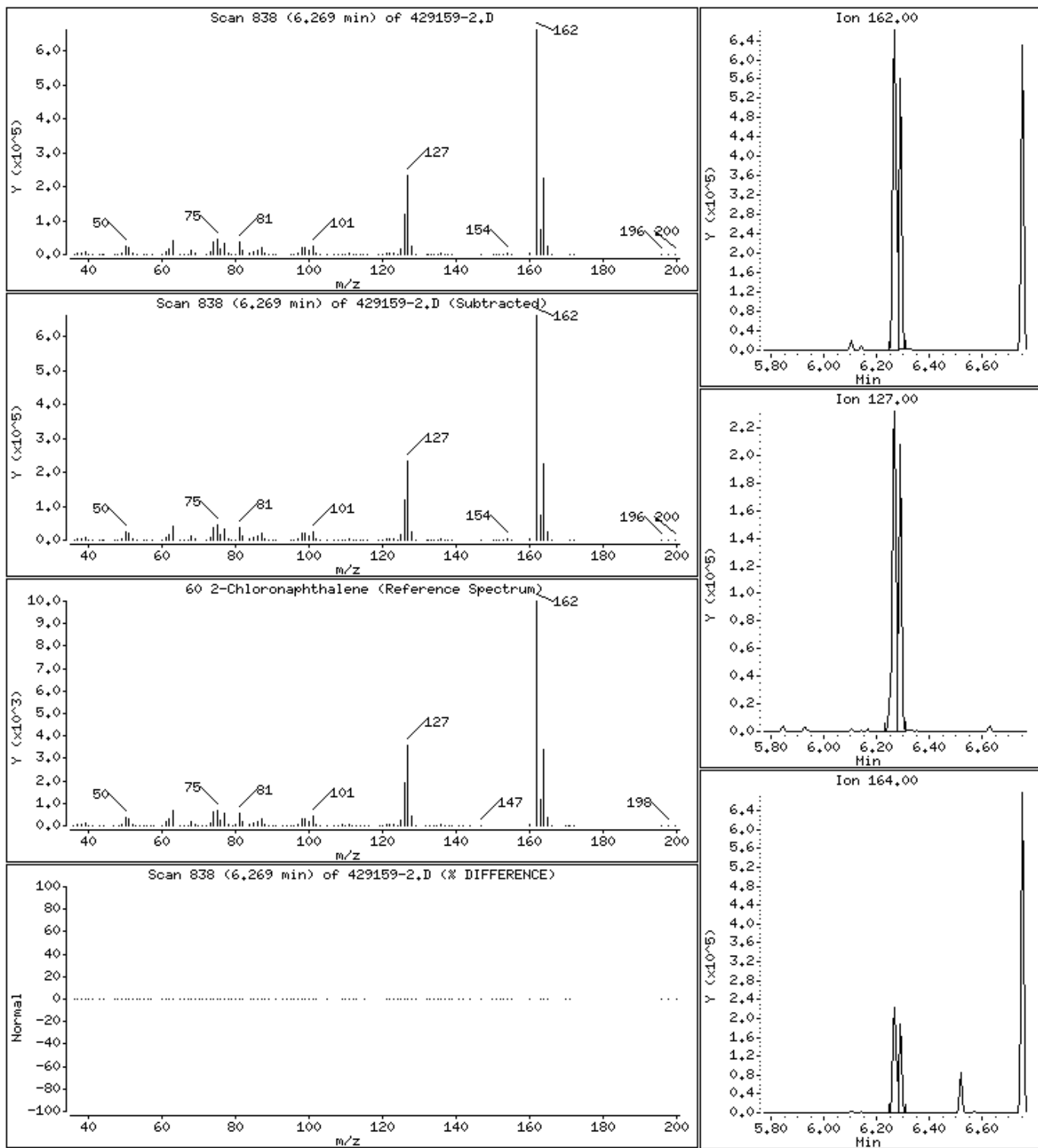
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

60 2-Chloronaphthalene

Concentration: 39.2 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tol,jb

Purge Volume: 1000.0

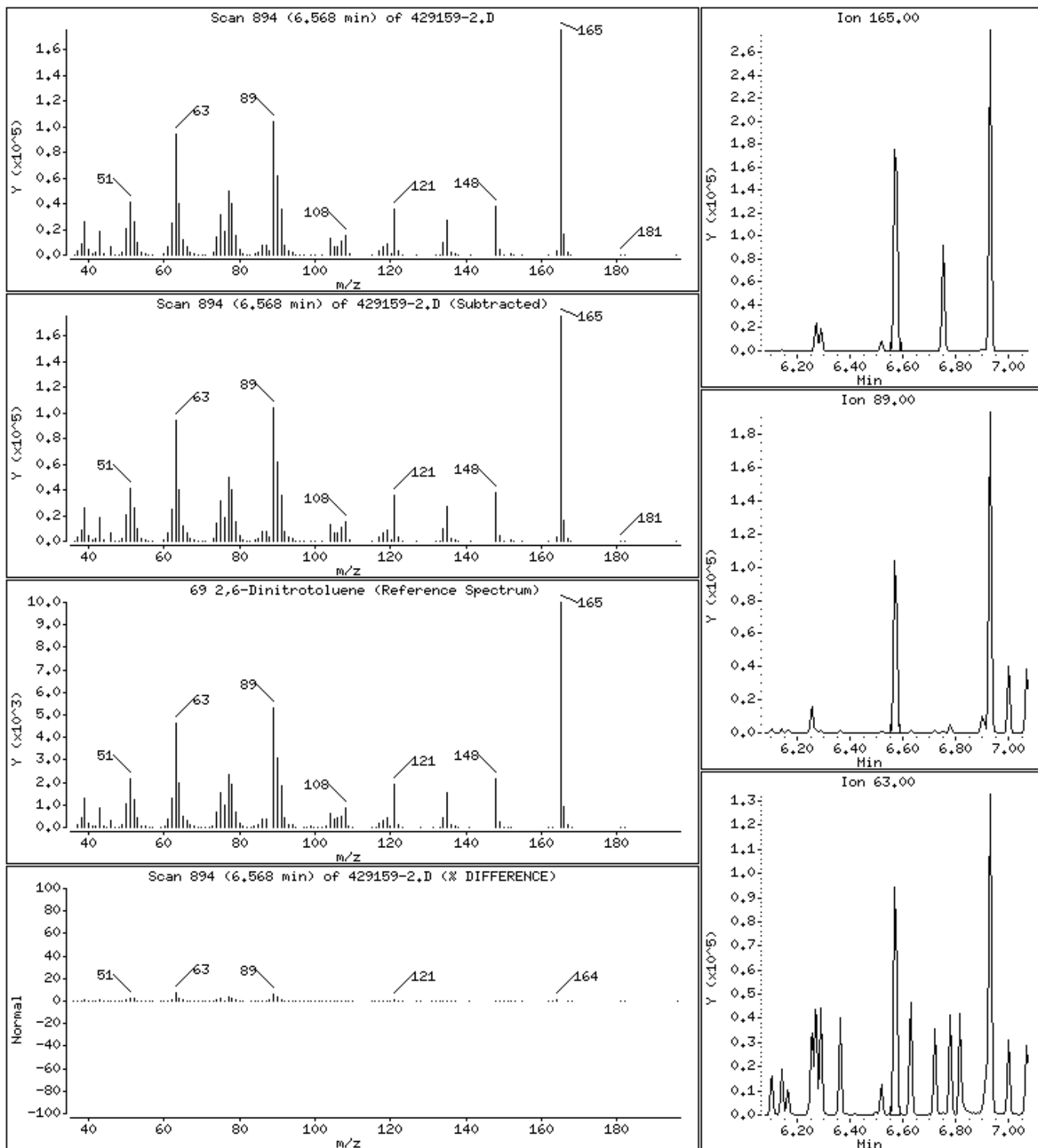
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

69 2,6-Dinitrotoluene

Concentration: 32.4 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tol,jb

Purge Volume: 1000.0

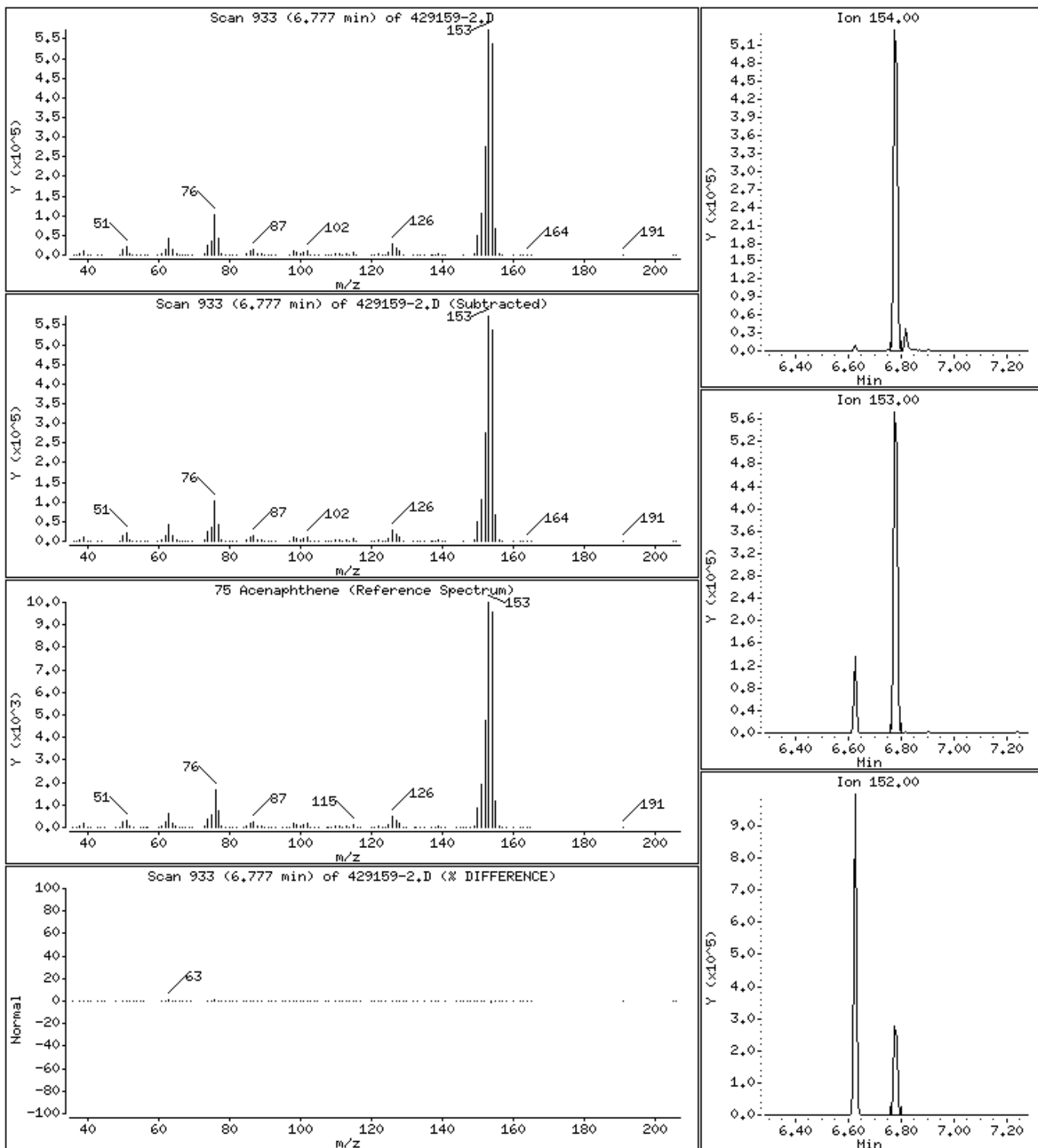
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

75 Acenaphthene

Concentration: 32.1 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tcl,jb

Purge Volume: 1000.0

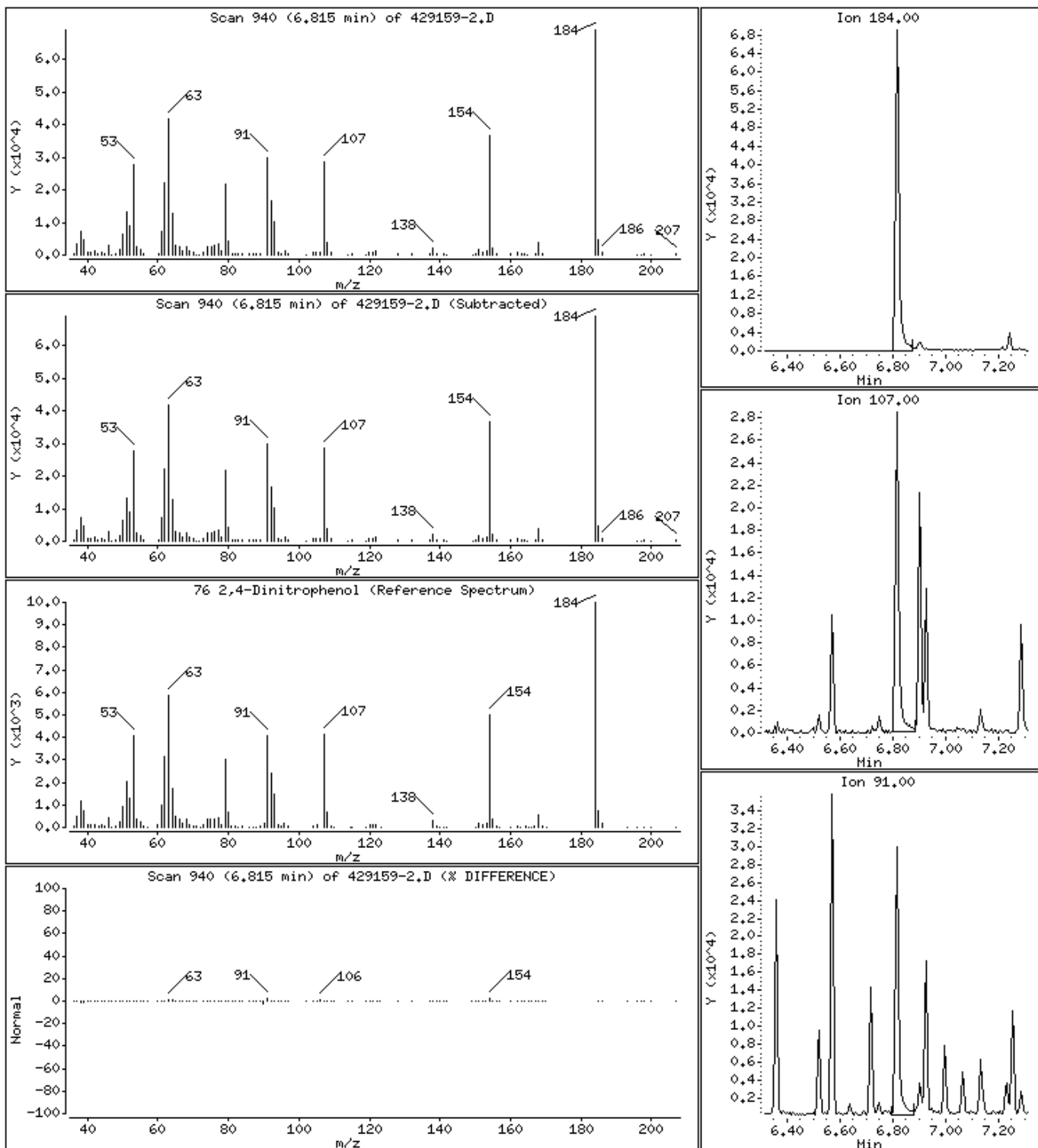
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

76 2,4-Dinitrophenol

Concentration: 26.6 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tol,jb

Purge Volume: 1000.0

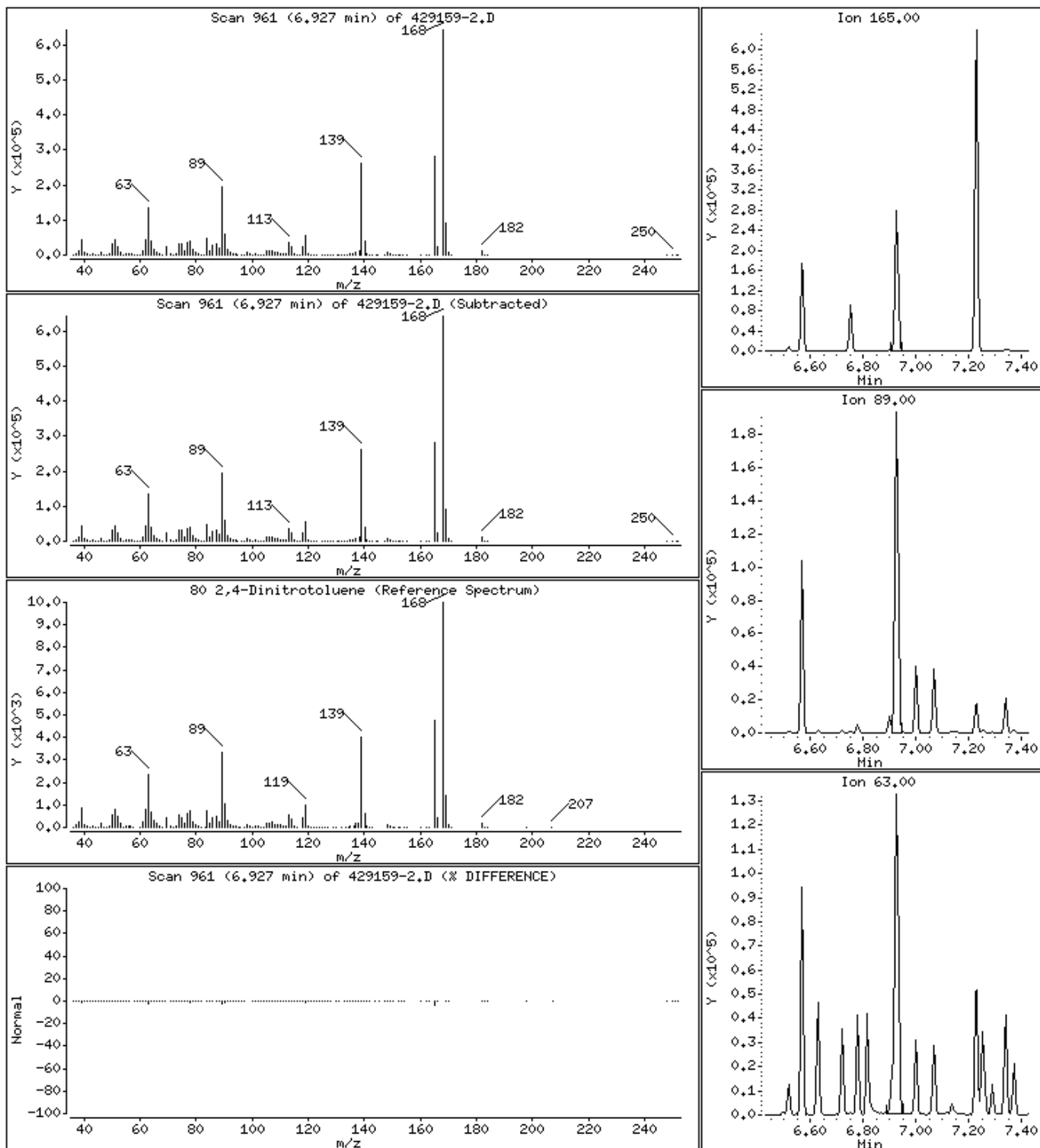
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

80 2,4-Dinitrotoluene

Concentration: 38.7 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tcl,jb

Purge Volume: 1000.0

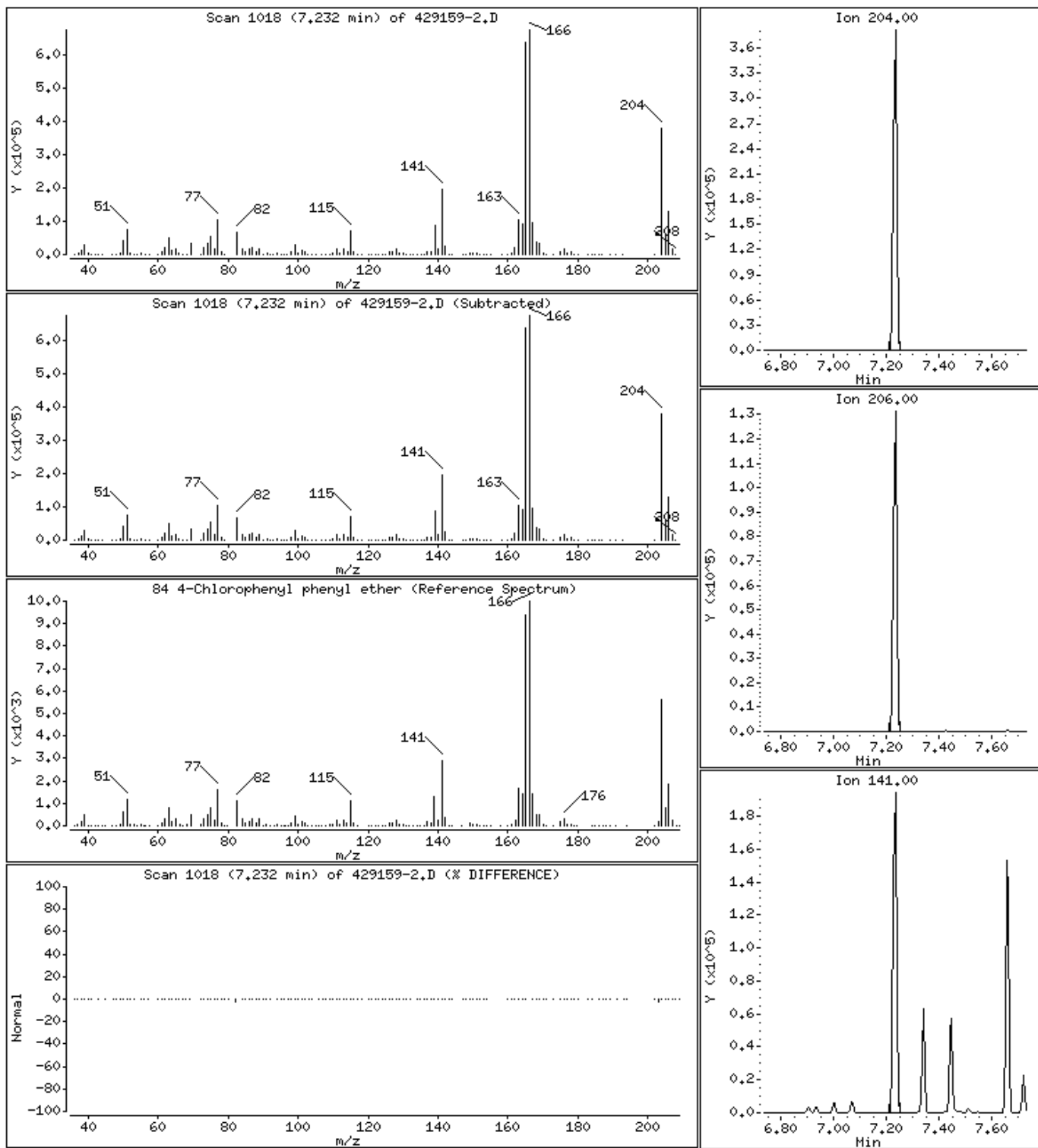
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

84 4-Chlorophenyl phenyl ether

Concentration: 31.6 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tcl,jb

Purge Volume: 1000.0

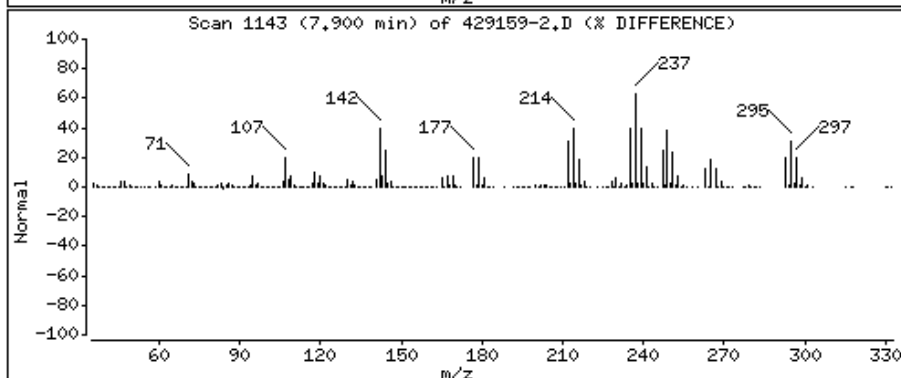
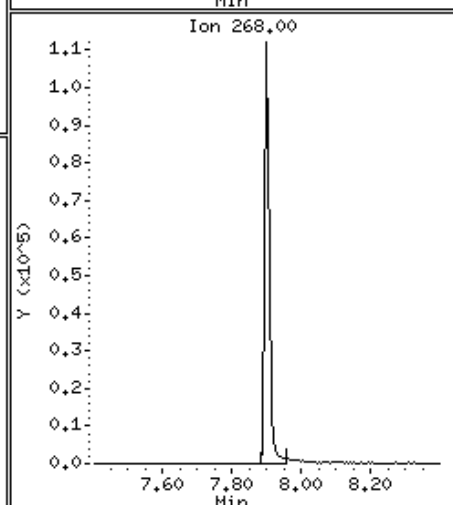
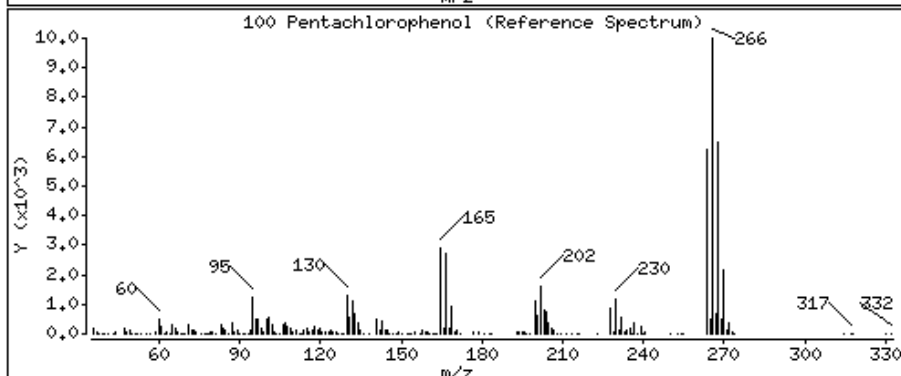
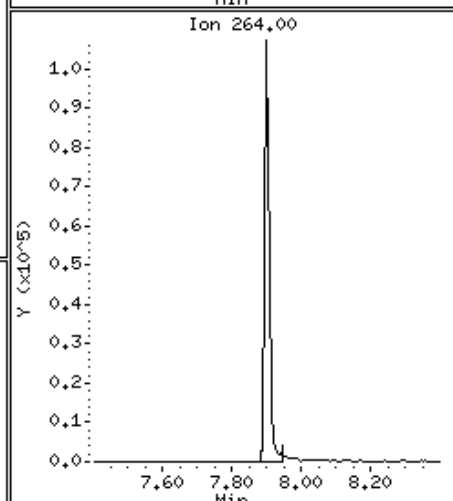
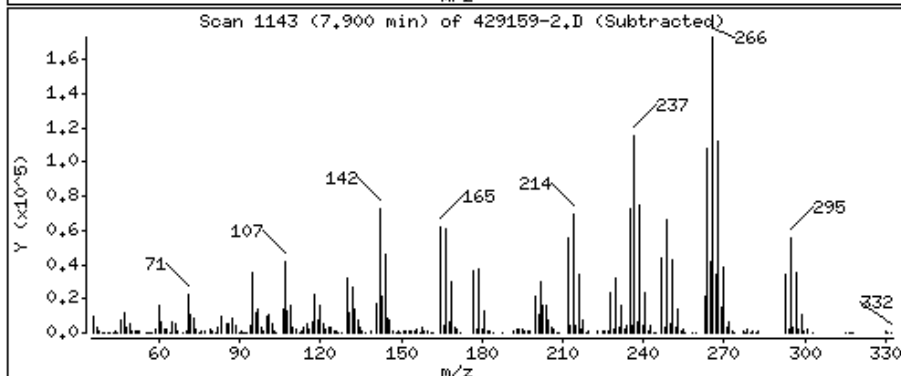
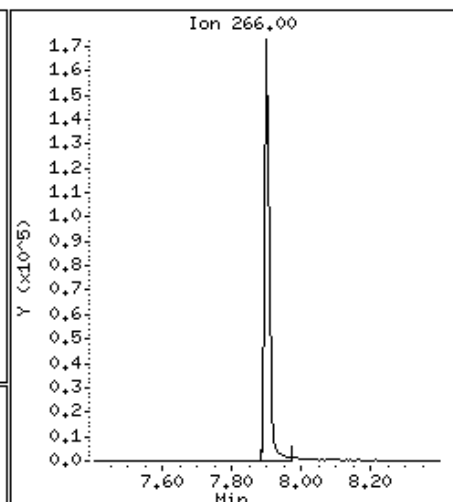
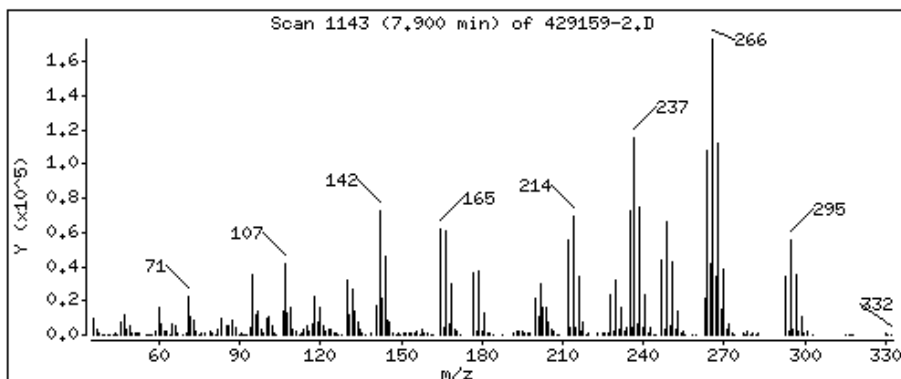
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

100 Pentachlorophenol

Concentration: 30.7 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tcl,jb

Purge Volume: 1000.0

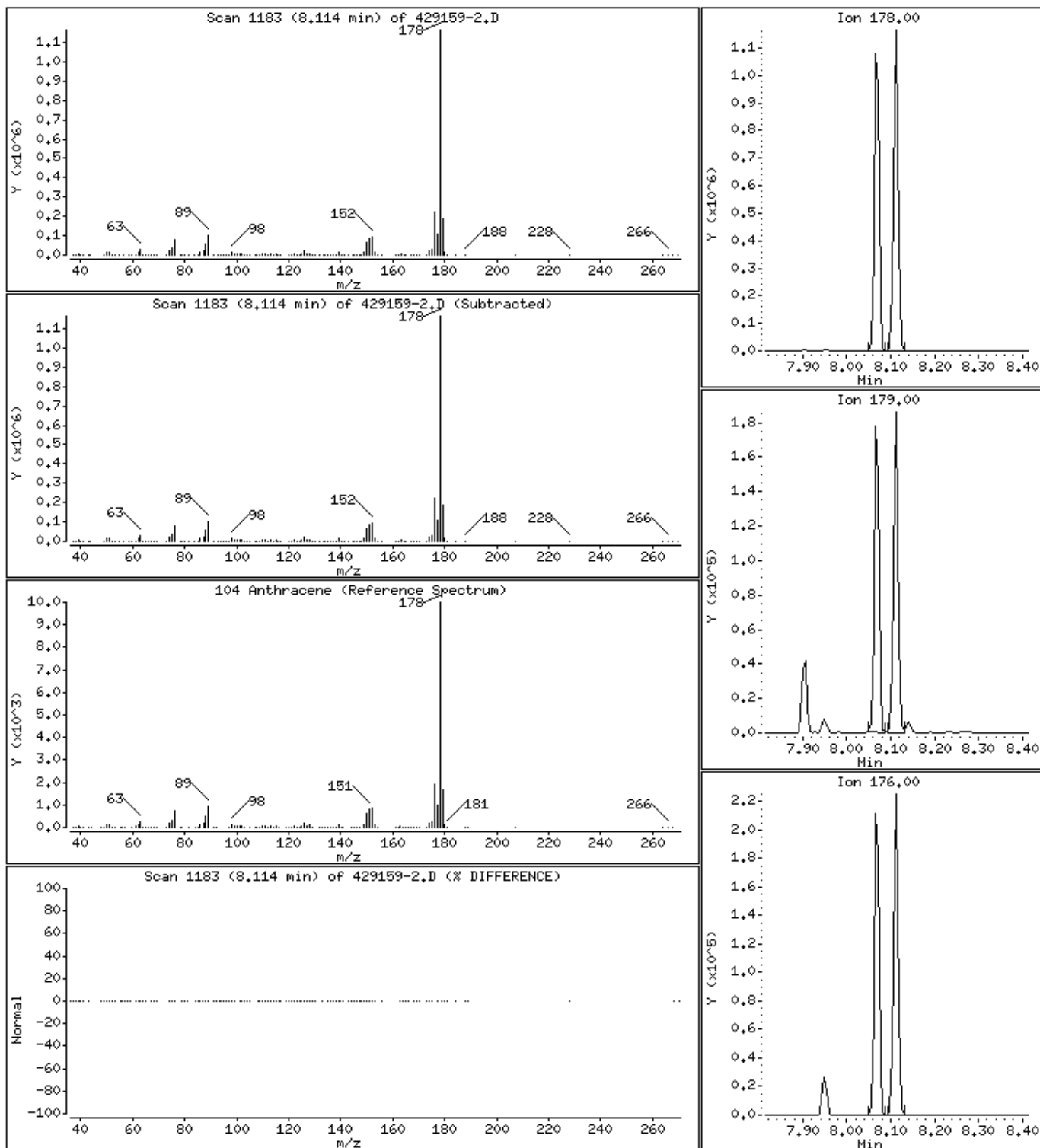
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

104 Anthracene

Concentration: 34.5 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tol,jb

Purge Volume: 1000.0

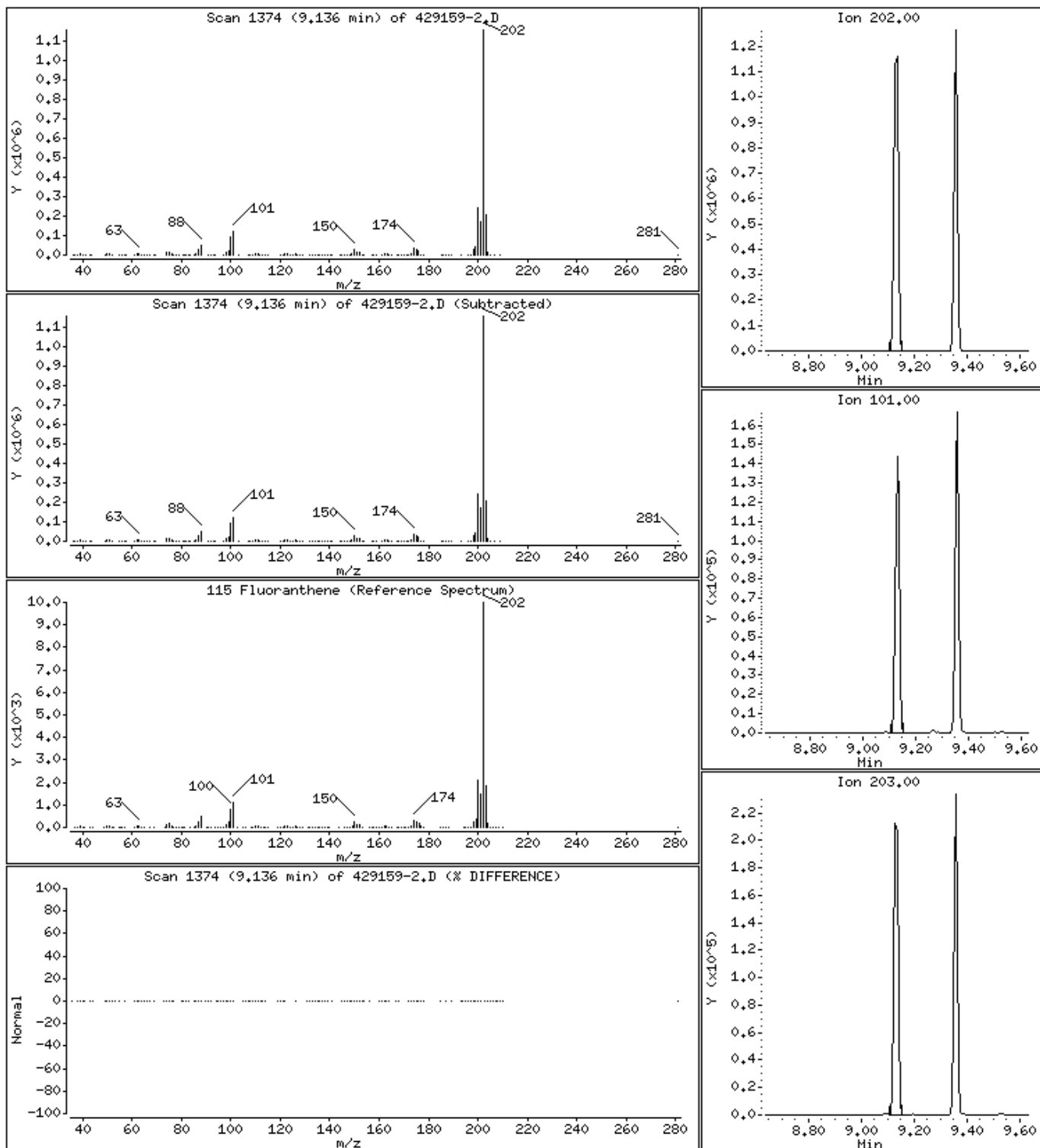
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

115 Fluoranthene

Concentration: 36.5 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tcl,jb

Purge Volume: 1000.0

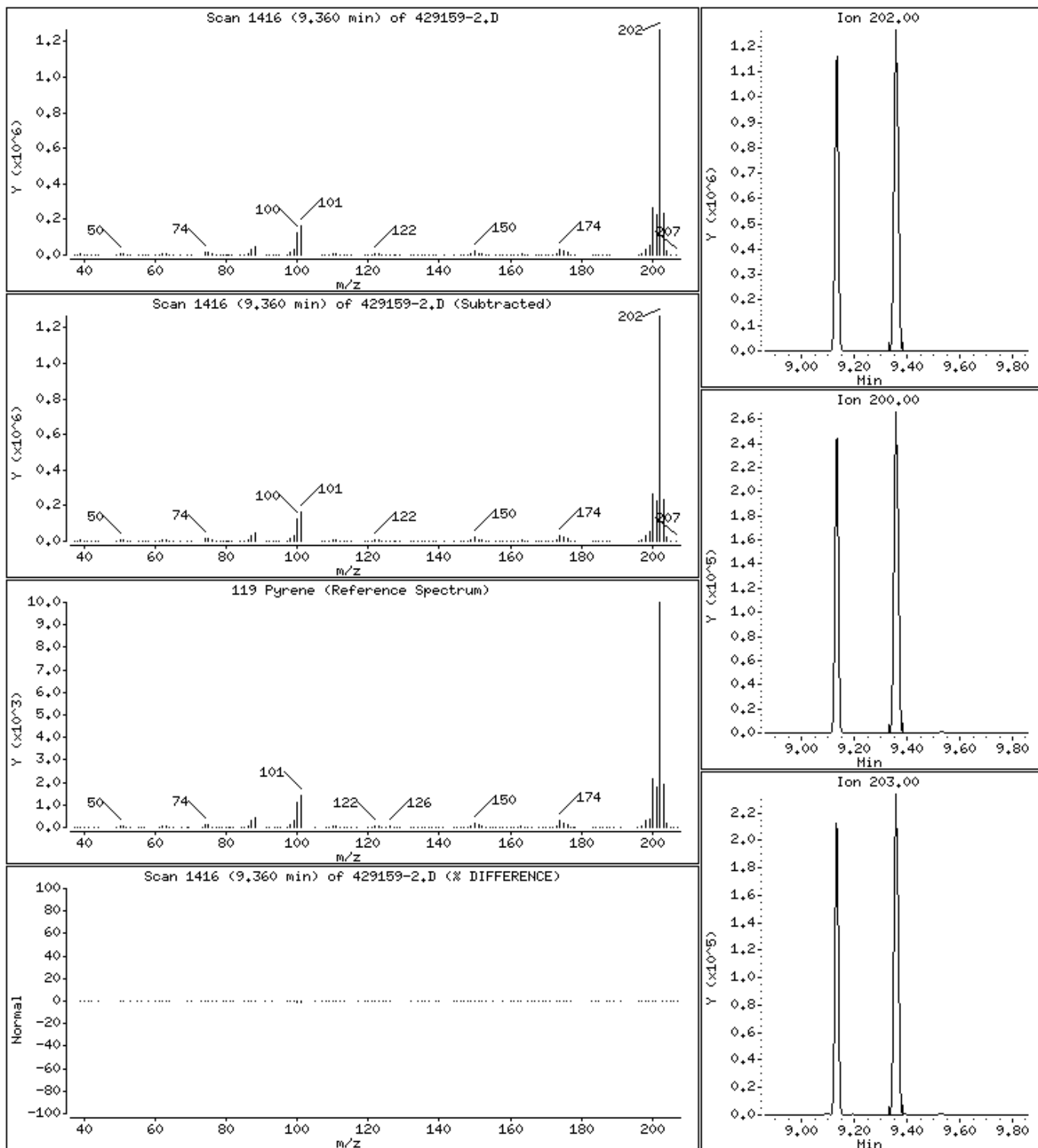
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

119 Pyrene

Concentration: 34.1 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2p,32,8270tol,jb

Purge Volume: 1000.0

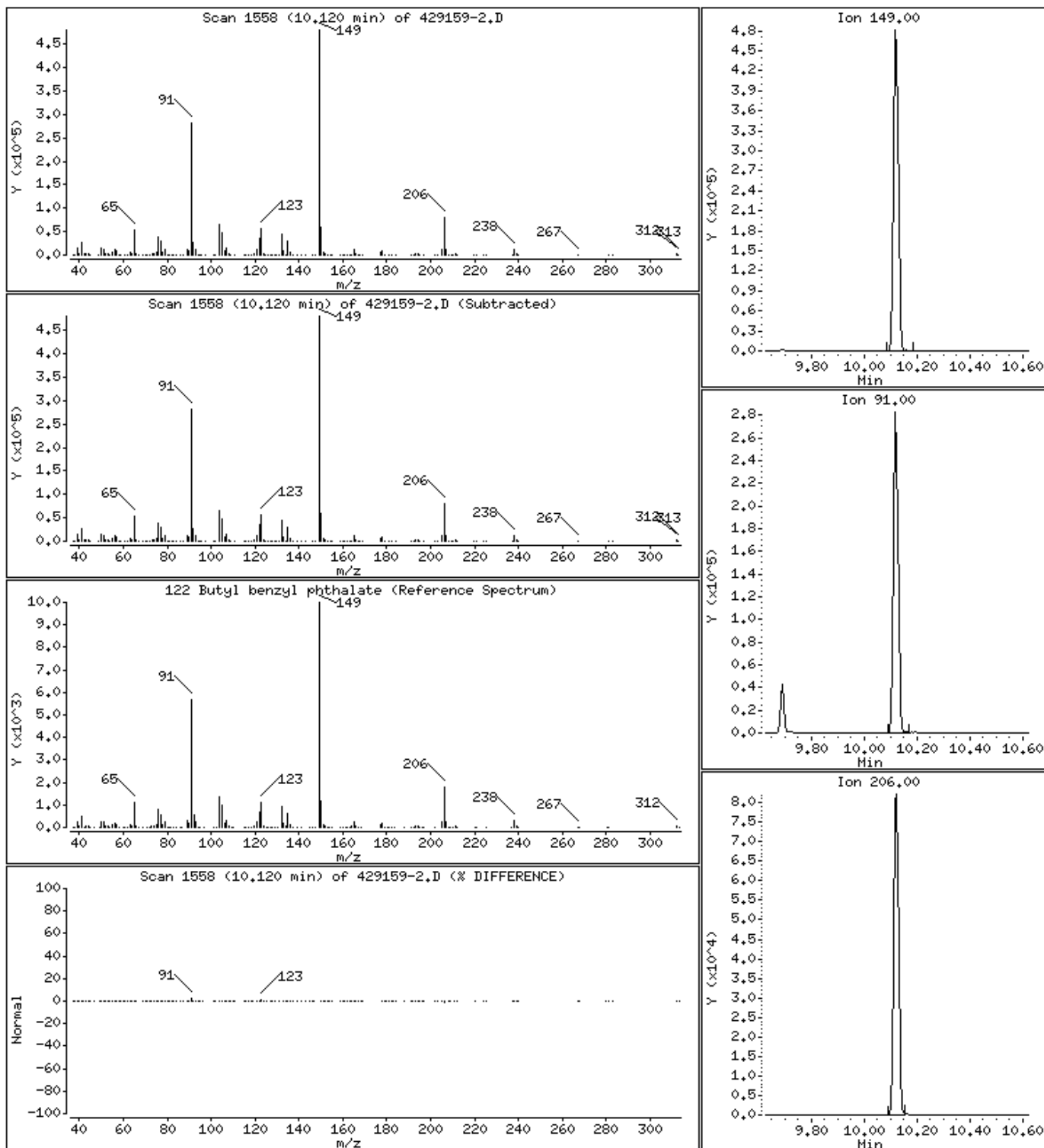
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

122 Butyl benzyl phthalate

Concentration: 36.9 ug/L



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825a.b\429159-2.D
Lab Smp Id:
Inj Date : 25-AUG-2010 07:25
Operator : jb Inst ID: Juliet.i
Smp Info : wg429159-2,32,8270tcl,jb
Misc Info : wg429508,wg429159,ICAL5274
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825a.b\HP2ABNv2.m
Meth Date : 26-Aug-2010 06:22 jbenenson Quant Type: ISTD
Cal Date : 23-AUG-2010 18:39 Cal File: ap9l5.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270tclspk.sub
Target Version: 4.12
Processing Host: EXT-3

Concentration Formula: Amt * DF * 1000 * 1/Vo*vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Sample Volume Extracted (mL)
vf	1.000	Extract Final Volume (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 3 2-Fluorophenol	112	3.075	3.075	(0.744)	115310	19.6649	19.7		
\$ 7 Phenol-d6	99	3.862	3.862	(0.934)	86872	12.2243	12.2		
8 Phenol	94	3.872	3.872	(0.937)	84398	11.6662	11.7(M)	M2	
12 2-Chlorophenol	128	3.969	3.969	(0.960)	209835	31.5848	31.6		
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	197297	40.0000			
16 1,4-Dichlorobenzene	146	4.145	4.145	(1.003)	208497	27.5223	27.5		
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	206207	28.9663	29.0		
24 n-Nitrosodi-n-propylamine	70	4.477	4.482	(1.083)	115492	29.3273	29.3		
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	106854	17.2843	17.3		
32 2-Nitrophenol	139	4.894	4.899	(1.184)	114282	30.3422	30.3		
38 1,2,4-Trichlorobenzene	180	5.177	5.183	(0.991)	213441	28.0970	28.1		
* 39 Naphthalene-d8	136	5.225	5.225	(1.000)	751617	40.0000			
50 p-Chloro-m-cresol	107	5.739	5.744	(1.098)	188258	32.1806	32.2		
\$ 58 2-Fluorobiphenyl	172	6.167	6.167	(1.180)	291006	16.9469	16.9		
60 2-Chloronaphthalene	162	6.268	6.269	(1.200)	556558	39.2103	39.2		
69 2,6-Dinitrotoluene	165	6.568	6.573	(1.257)	126727	32.4041	32.4		
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	485991	40.0000			
75 Acenaphthene	154	6.777	6.782	(1.004)	402265	32.0606	32.1		
76 2,4-Dinitrophenol	184	6.814	6.814	(1.010)	56068	26.5710	26.6		
77 4-Nitrophenol	65	6.910	6.910	(1.024)	36765	14.8705	14.9(M)	M2	
80 2,4-Dinitrotoluene	165	6.926	6.926	(1.026)	181296	38.6948	38.7		
84 4-Chlorophenyl phenyl ether	204	7.231	7.231	(1.071)	267644	31.6465	31.6		

Compounds	QUANT SIG	CONCENTRATIONS							REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 91 2,4,6-Tribromophenol	330	7.445	7.445	(0.925)	227477	41.2881	41.3(M)	M2	
100 Pentachlorophenol	266	7.900	7.900	(0.981)	128633	30.7274	30.7		
* 102 Phenanthrene-d10	188	8.050	8.050	(1.000)	921922	40.0000			
104 Anthracene	178	8.114	8.114	(1.008)	874139	34.4720	34.5		
115 Fluoranthene	202	9.135	9.135	(1.135)	1059329	36.5229	36.5		
119 Pyrene	202	9.360	9.360	(1.163)	1126984	34.0649	34.1		
\$ 120 4-Terphenyl-d14	244	9.531	9.531	(1.184)	521007	21.1201	21.1		
122 Butyl benzyl phthalate	149	10.119	10.125	(1.257)	523943	36.8793	36.9		
* 129 Chrysene-d12	240	10.868	10.863	(1.000)	1373576	40.0000			
* 143 Perylene-d12	264	13.195	13.195	(1.000)	1643949	40.0000			

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: 429159-2.D

Calibration Date: 25-AUG-2010
Calibration Time: 06:36

Lab Smp Id:
Analysis Type: SV

Level: LOW
Sample Type: WATER

Quant Type: ISTD

Operator: jb

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825a.b\HP2ABNv2.m

Misc Info: wg429508,wg429159,ICAL5274

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	189291	94646	378582	197297	4.23
39 Naphthalene-d8	726069	363035	1452138	751617	3.52
74 Acenaphthene-d10	475154	237577	950308	485991	2.28
102 Phenanthrene-d10	904238	452119	1808476	921922	1.96
129 Chrysene-d12	1362412	681206	2724824	1373576	0.82
143 Perylene-d12	1661748	830874	3323496	1643949	-1.07

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	-0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	-0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	-0.00
102 Phenanthrene-d10	8.05	7.55	8.55	8.05	-0.00
129 Chrysene-d12	10.86	10.36	11.36	10.87	0.05
143 Perylene-d12	13.20	12.70	13.70	13.20	0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: 100825.b
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id:
Level: LOW Operator: jb
Data Type: MS DATA SampleType: LCS
SpikeList File: 8270tclspkag40.spk Quant Type: ISTD
Sublist File: 8270tclspk.sub
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825a.b\HP2ABNv2.m
Misc Info: wg429508,wg429159,ICAL5274

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
8 Phenol	40.0	11.7	29.17	12-110
12 2-Chlorophenol	40.0	31.6	78.96	27-123
16 1,4-Dichlorobenzen	40.0	27.5	68.81	36-97
18 1,2-Dichlorobenzen	40.0	29.0	72.42	40-140
24 n-Nitrosodi-n-prop	40.0	29.3	73.32	41-116
32 2-Nitrophenol	40.0	30.3	75.86	40-140
38 1,2,4-Trichloroben	40.0	28.1	70.24	39-98
50 p-Chloro-m-cresol	40.0	32.2	80.45	23-97
60 2-Chloronaphthalen	40.0	39.2	98.03	40-140
69 2,6-Dinitrotoluene	40.0	32.4	81.01	40-140
75 Acenaphthene	40.0	32.1	80.15	46-118
76 2,4-Dinitrophenol	40.0	26.6	66.43	20-130
77 4-Nitrophenol	40.0	14.9	37.18	10-80
80 2,4-Dinitrotoluene	40.0	38.7	96.74	30-130
84 4-Chlorophenyl phe	40.0	31.6	79.12	40-140
100 Pentachlorophenol	40.0	30.7	76.82	9-103
104 Anthracene	40.0	34.5	86.18	40-140
115 Fluoranthene	40.0	36.5	91.31	40-140
119 Pyrene	40.0	34.1	85.16	26-127
122 Butyl benzyl phtha	40.0	36.9	92.20	40-140

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 3 2-Fluorophenol	50.0	19.7	39.33	21-120
\$ 7 Phenol-d6	50.0	12.2	24.45	10-120
\$ 28 Nitrobenzene-d5	25.0	17.3	69.14	23-120
\$ 58 2-Fluorobiphenyl	25.0	16.9	67.79	15-120
\$ 91 2,4,6-Tribromophen	50.0	41.3	82.58	10-120
\$ 120 4-Terphenyl-d14	25.0	21.1	84.48	33-120

Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

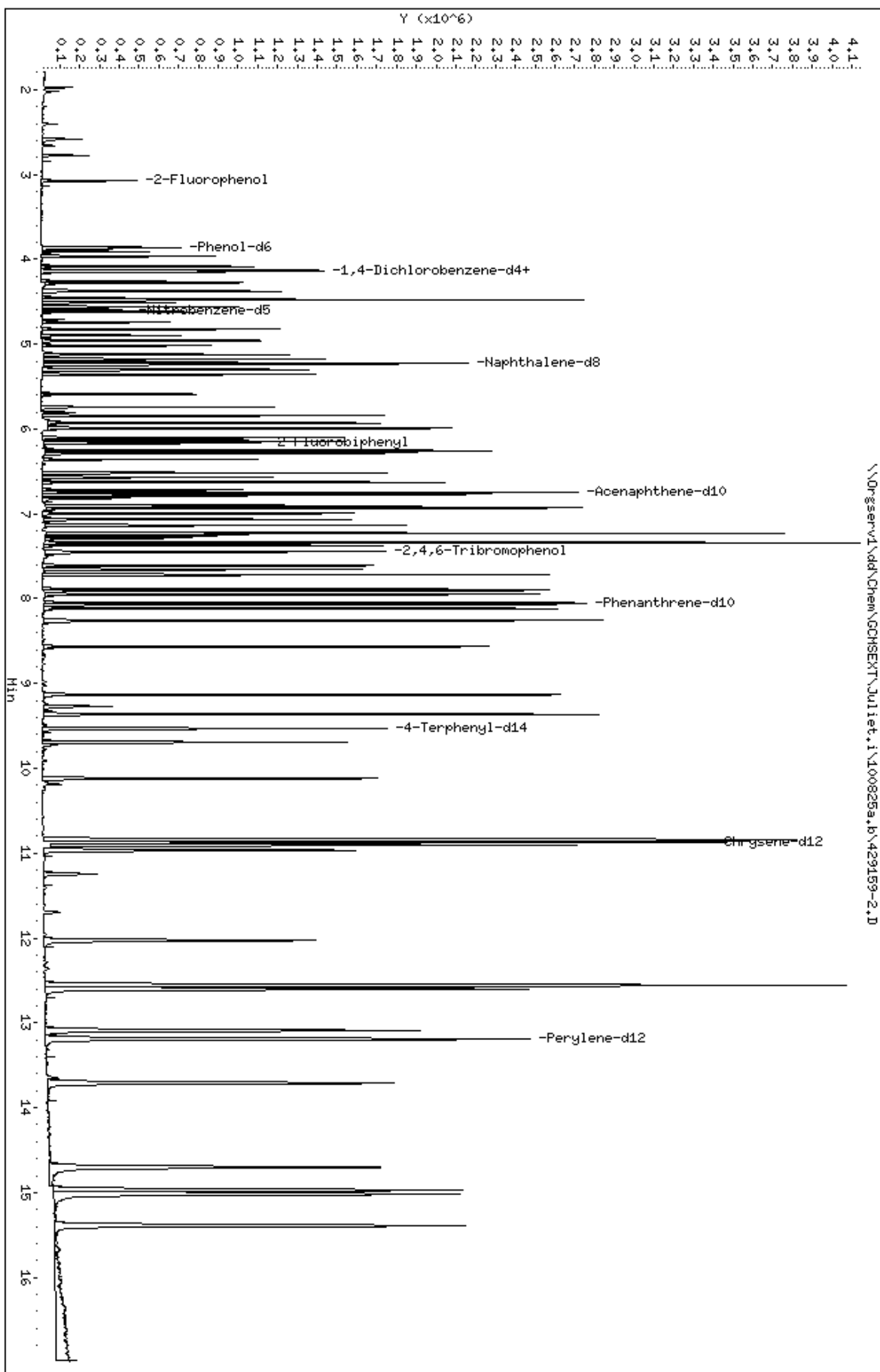
Sample Info: wg429159-2,32,8270b1,jb

Purge Volume: 1000.0

Operator: jb

Column phase: RTX-5

Column diameter: 0.32



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

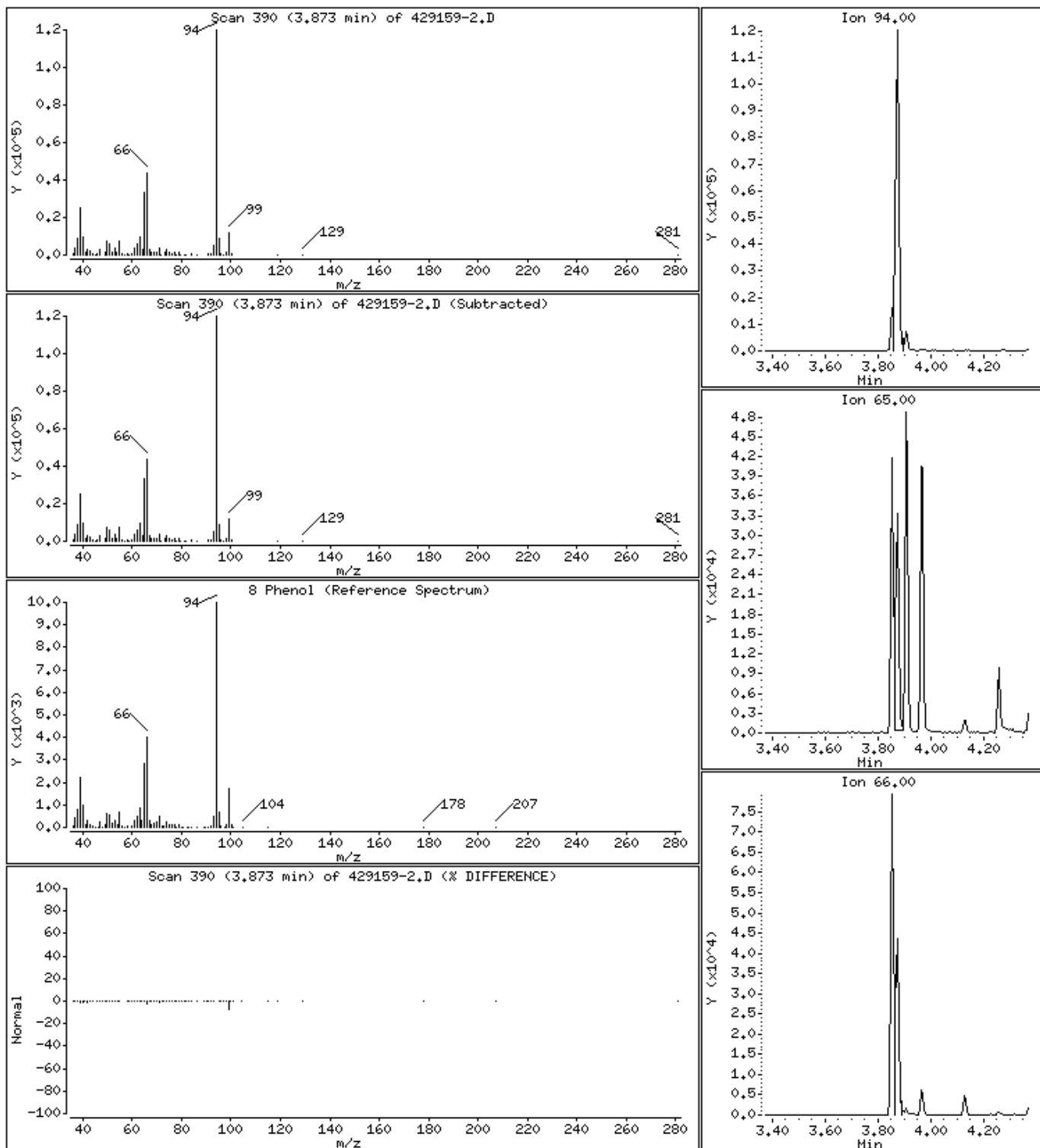
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

8 Phenol

Concentration: 11.7 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

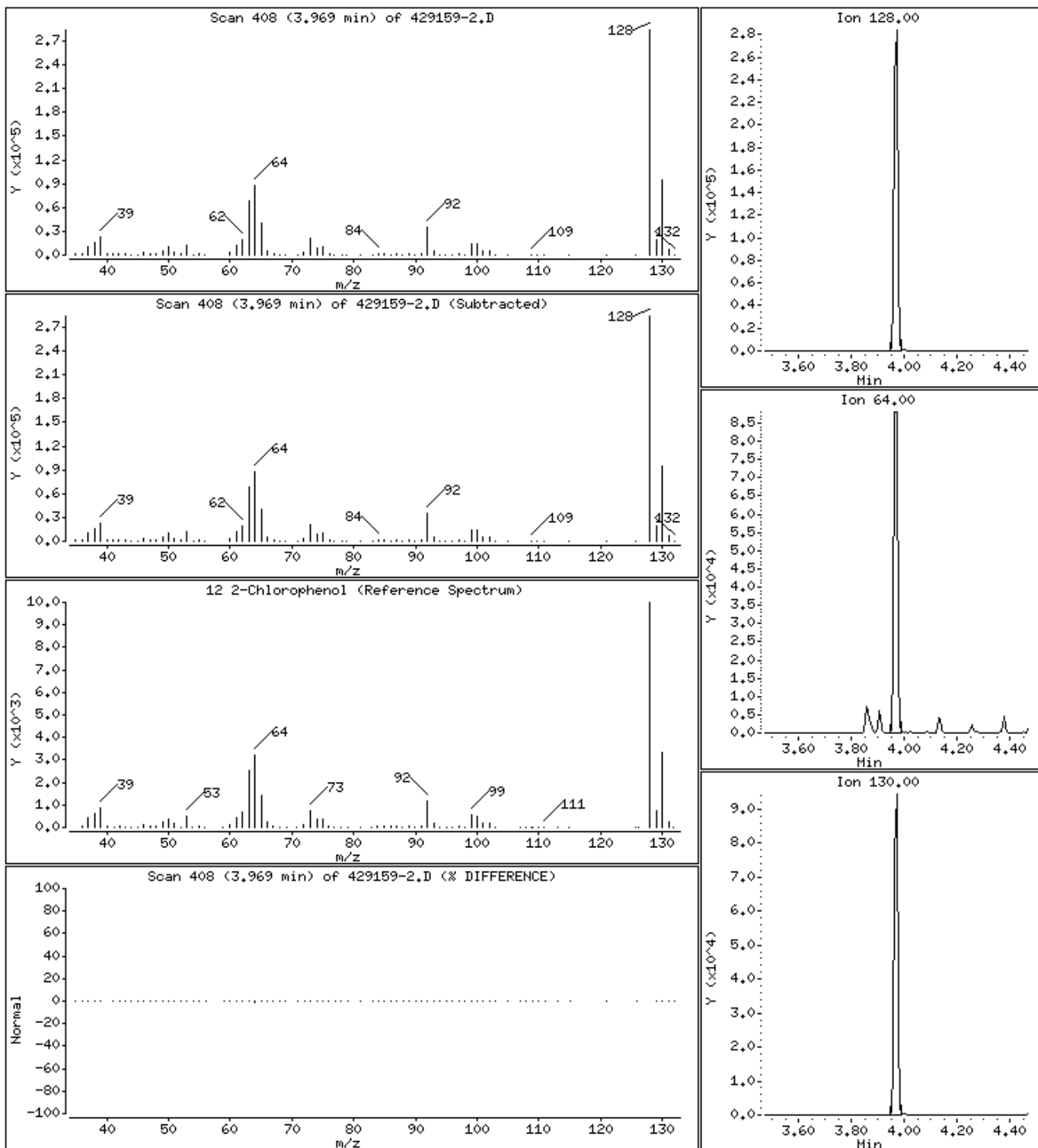
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

12 2-Chlorophenol

Concentration: 31.6 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

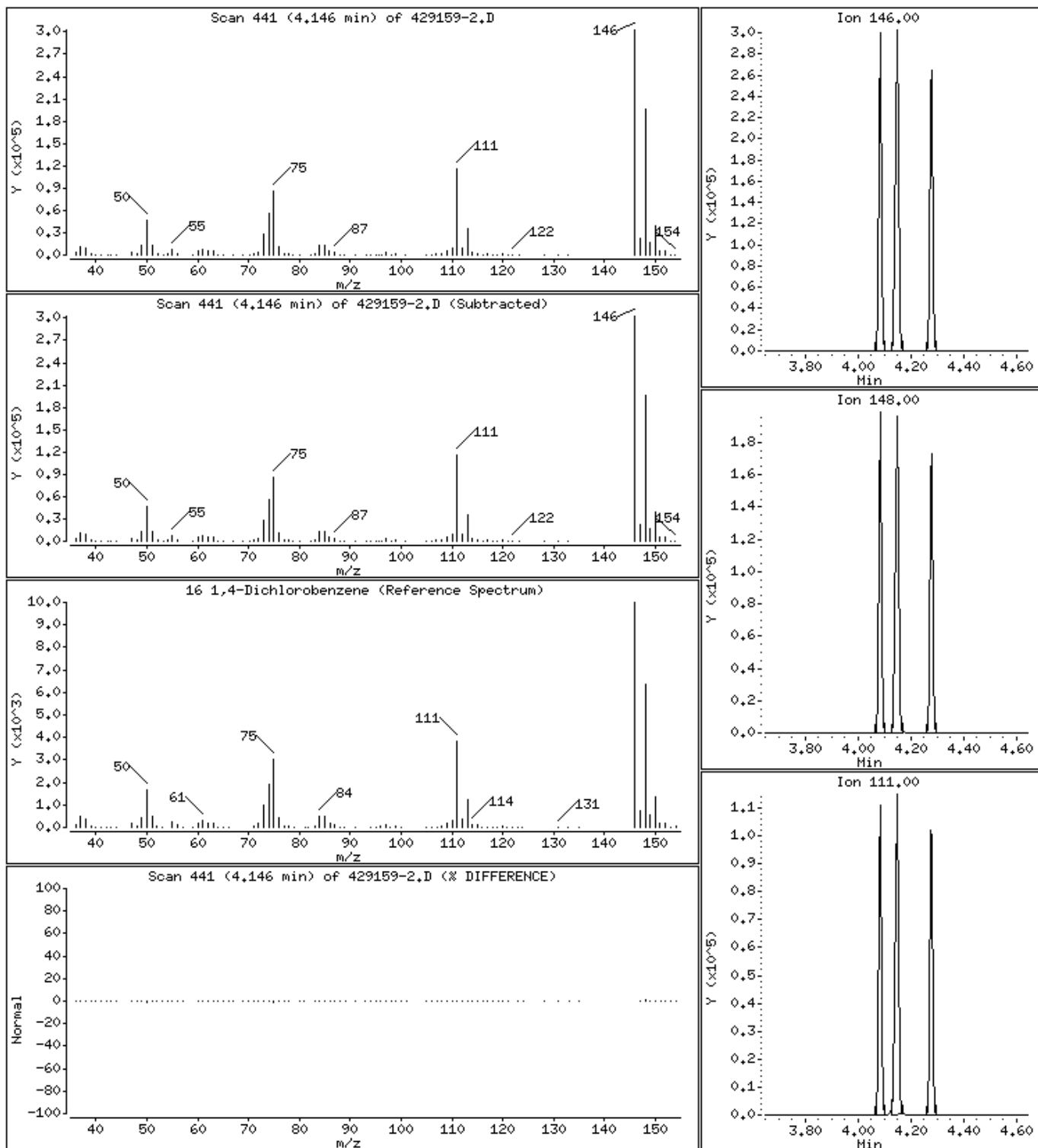
Operator: jb

Column phase: RTx-5

Column diameter: 0.32

16 1,4-Dichlorobenzene

Concentration: 27.5 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

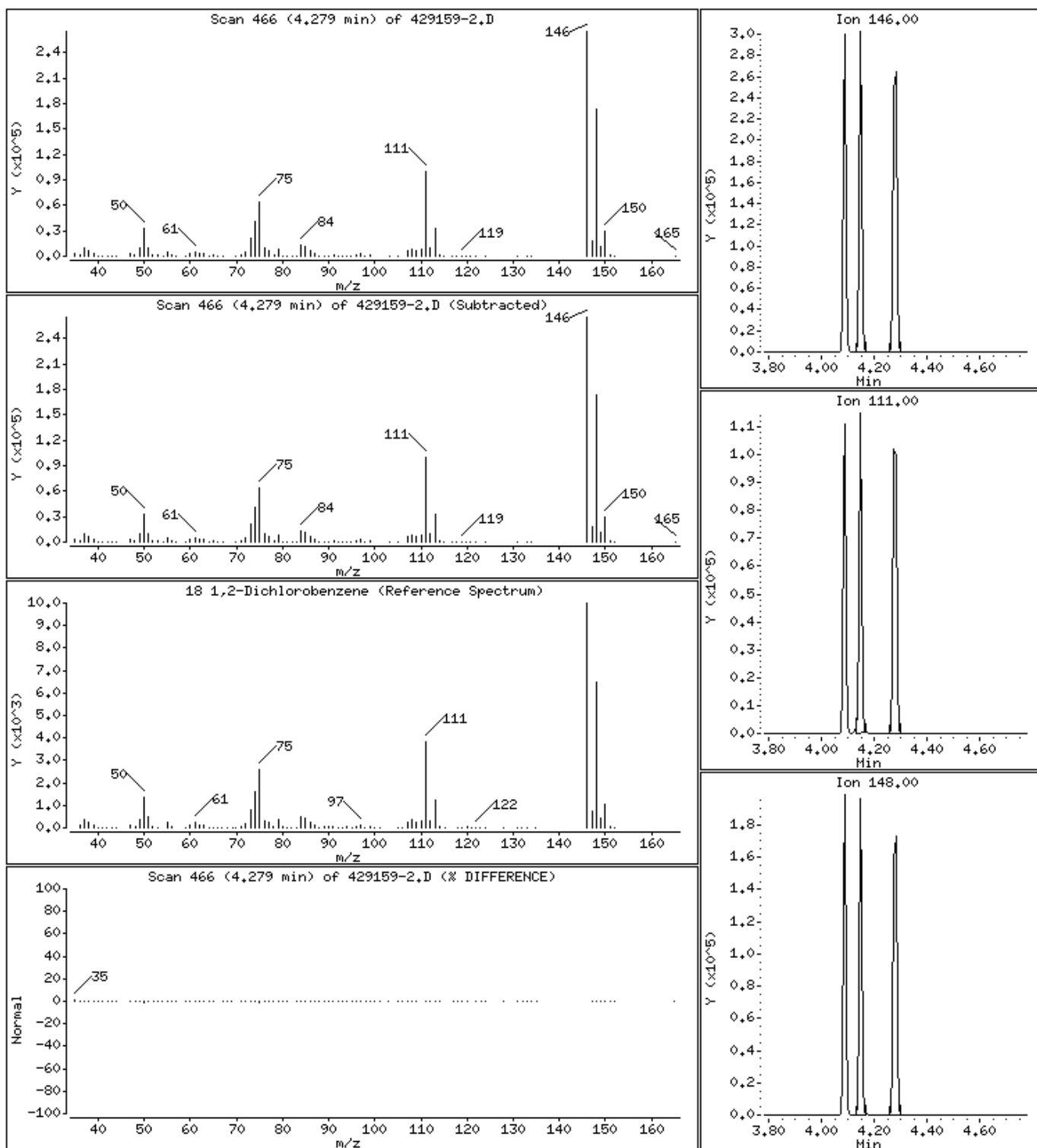
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

18 1,2-Dichlorobenzene

Concentration: 29.0 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

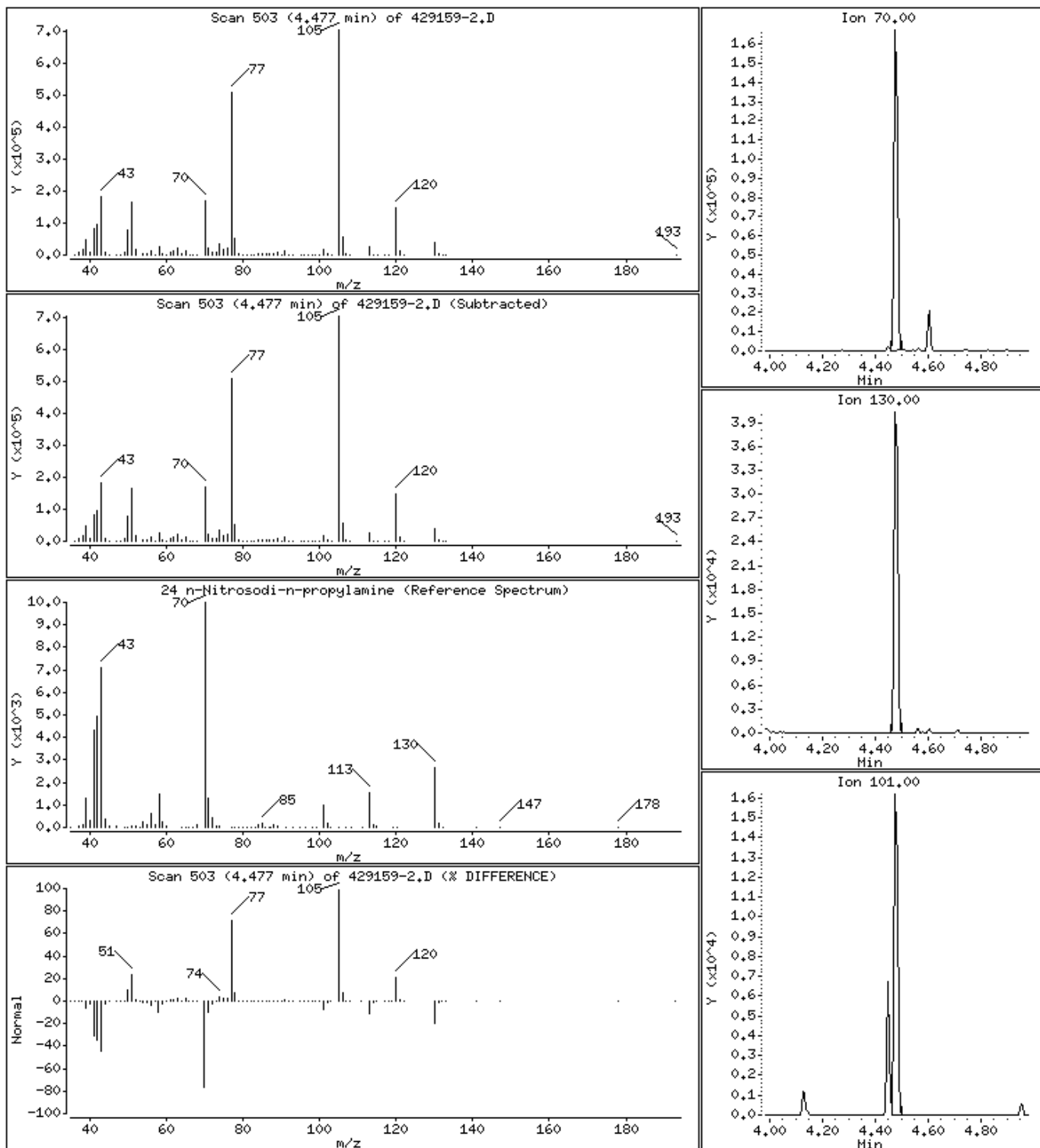
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

24 n-Nitrosodi-n-propylamine

Concentration: 29.3 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

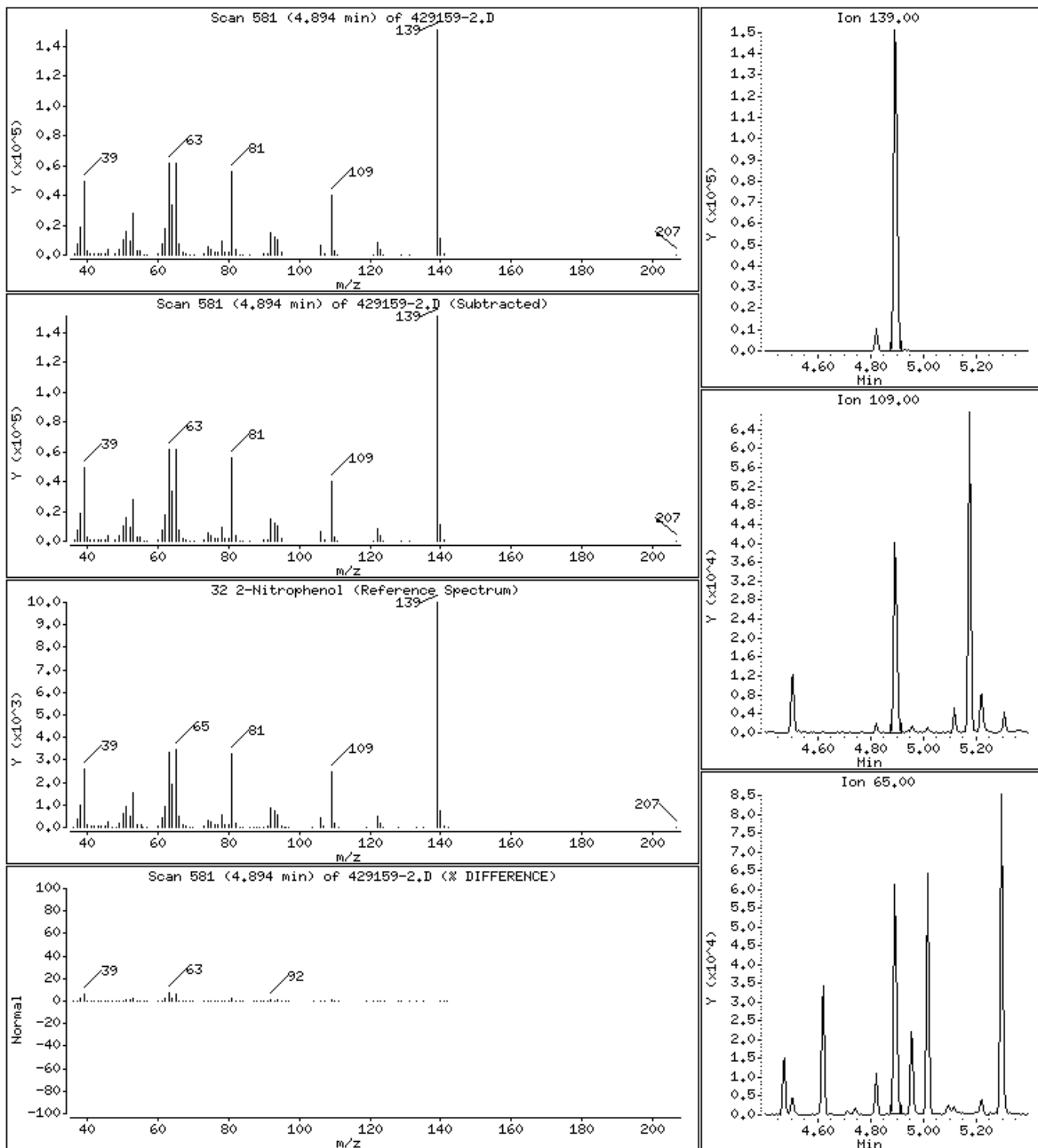
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

32 2-Nitrophenol

Concentration: 30.3 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

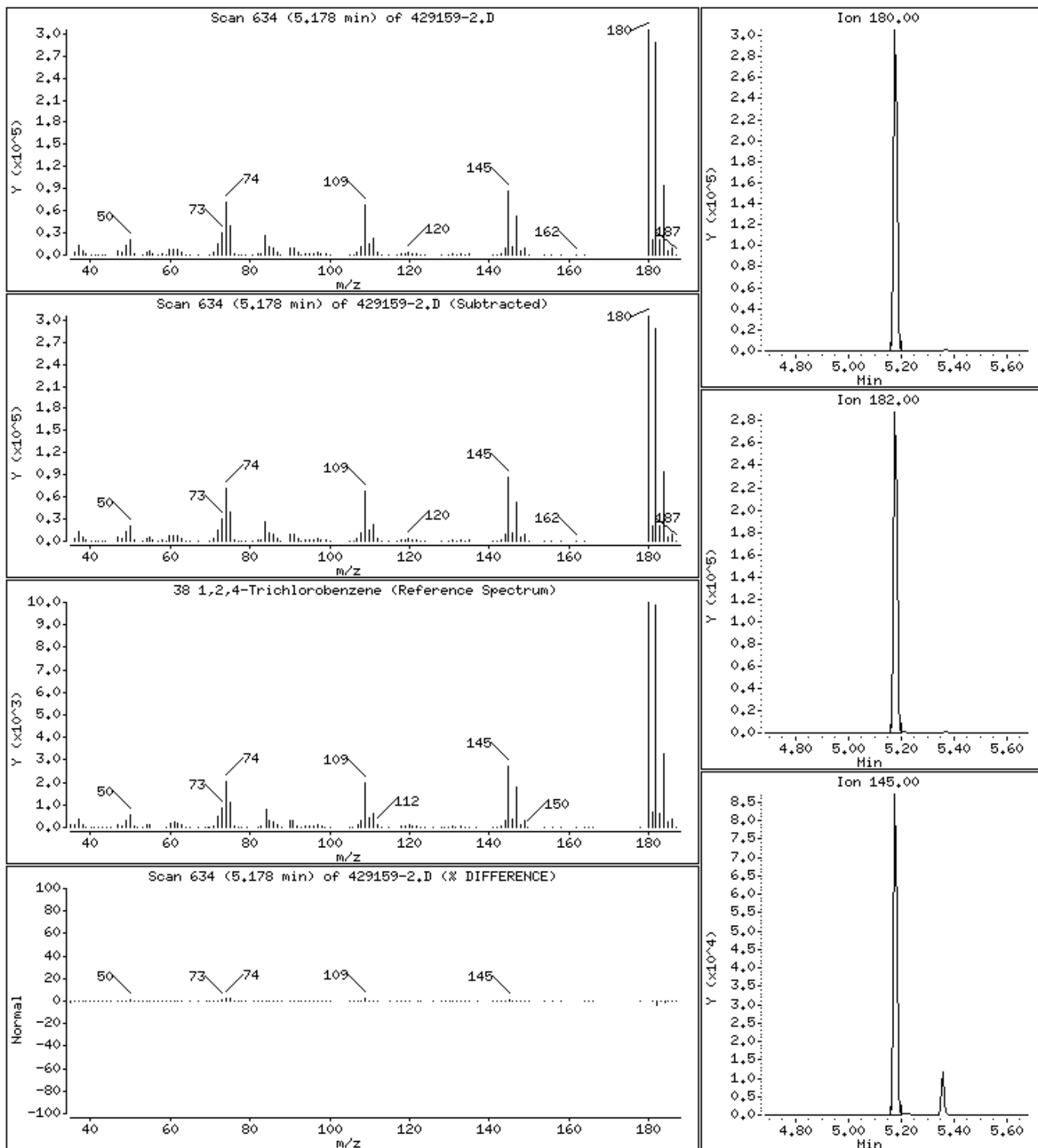
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

38 1,2,4-Trichlorobenzene

Concentration: 28.1 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

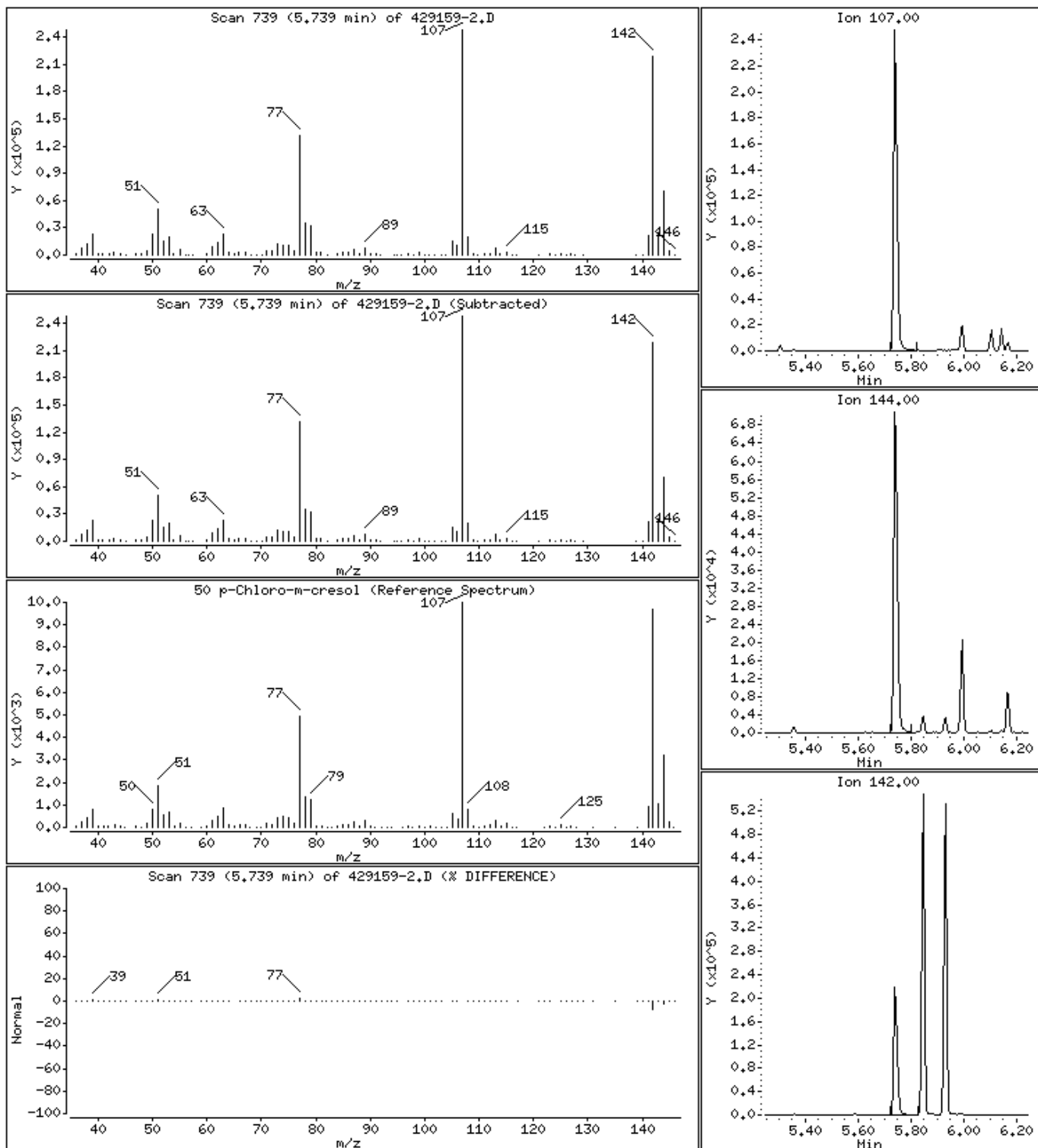
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

50 p-Chloro-m-cresol

Concentration: 32.2 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

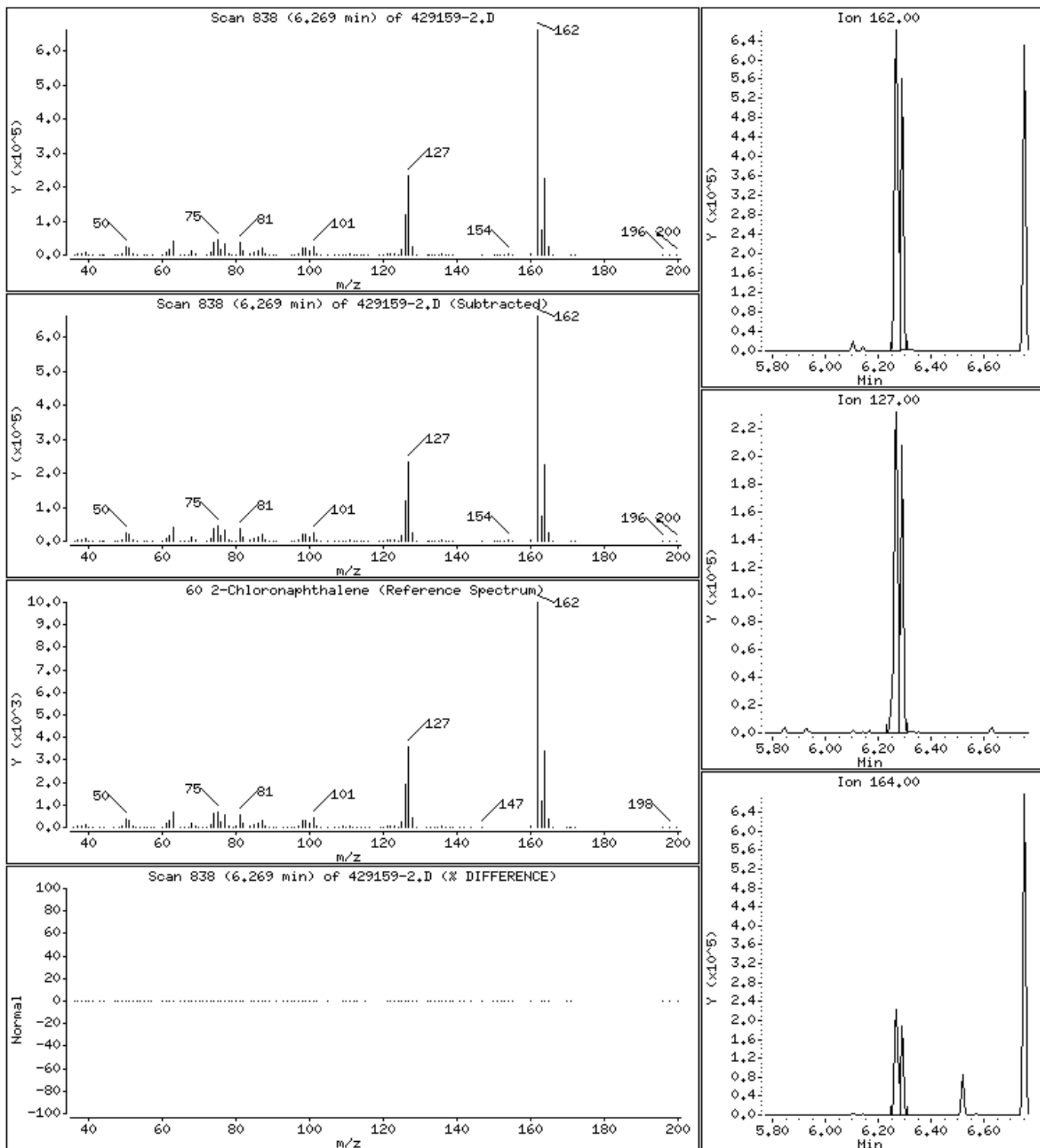
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

60 2-Chloronaphthalene

Concentration: 39.2 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

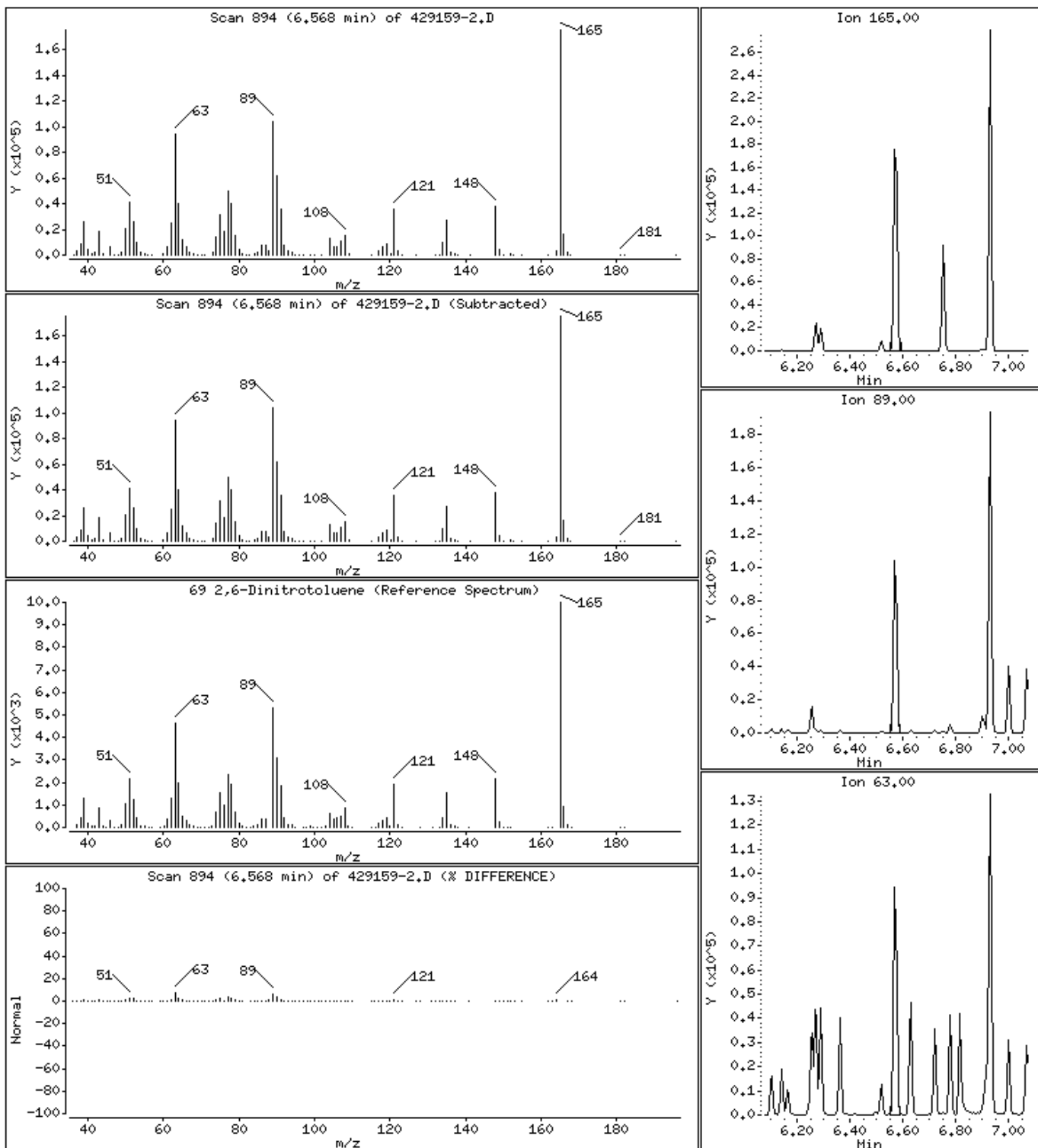
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

69 2,6-Dinitrotoluene

Concentration: 32.4 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

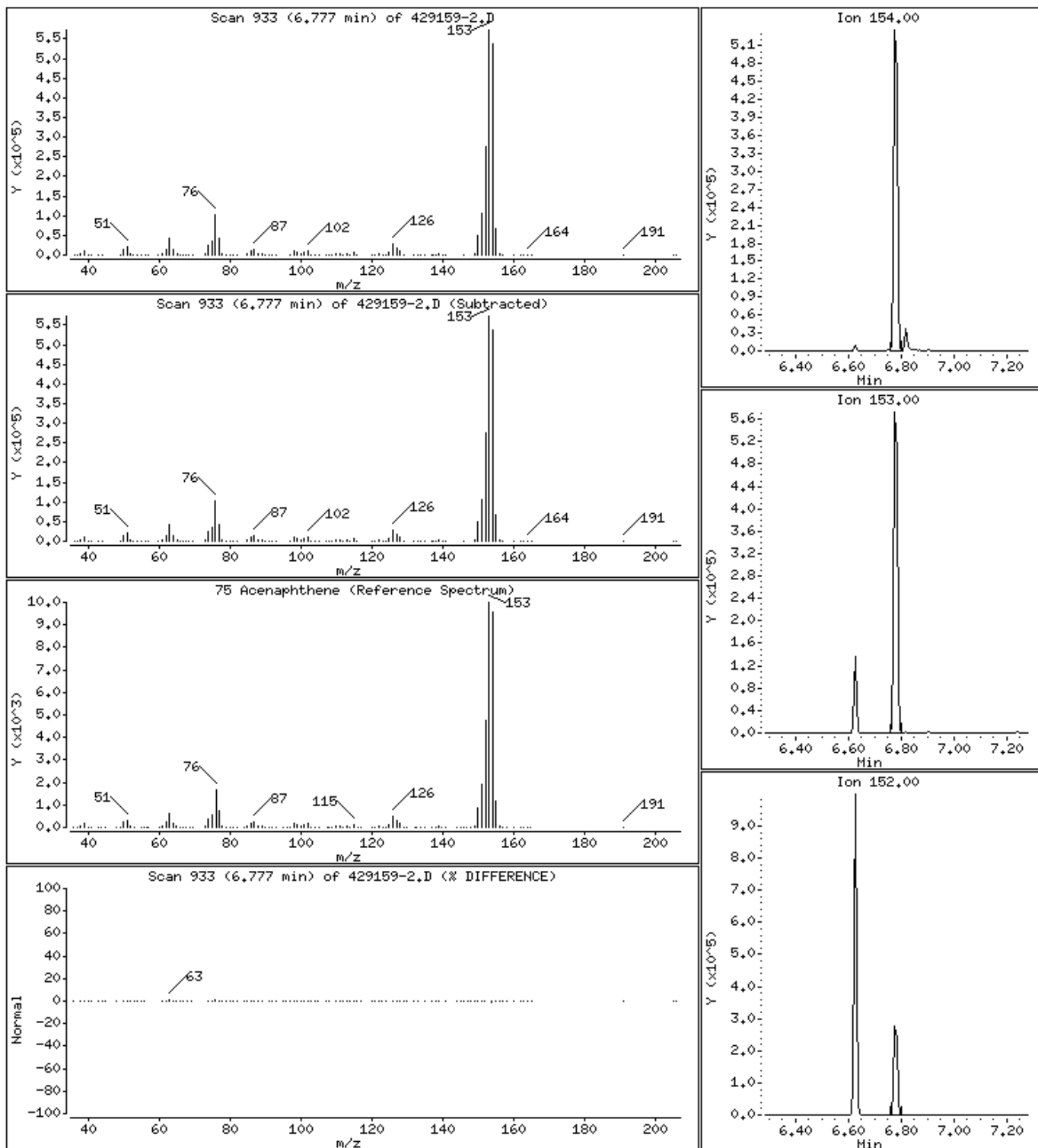
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

75 Acenaphthene

Concentration: 32.1 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

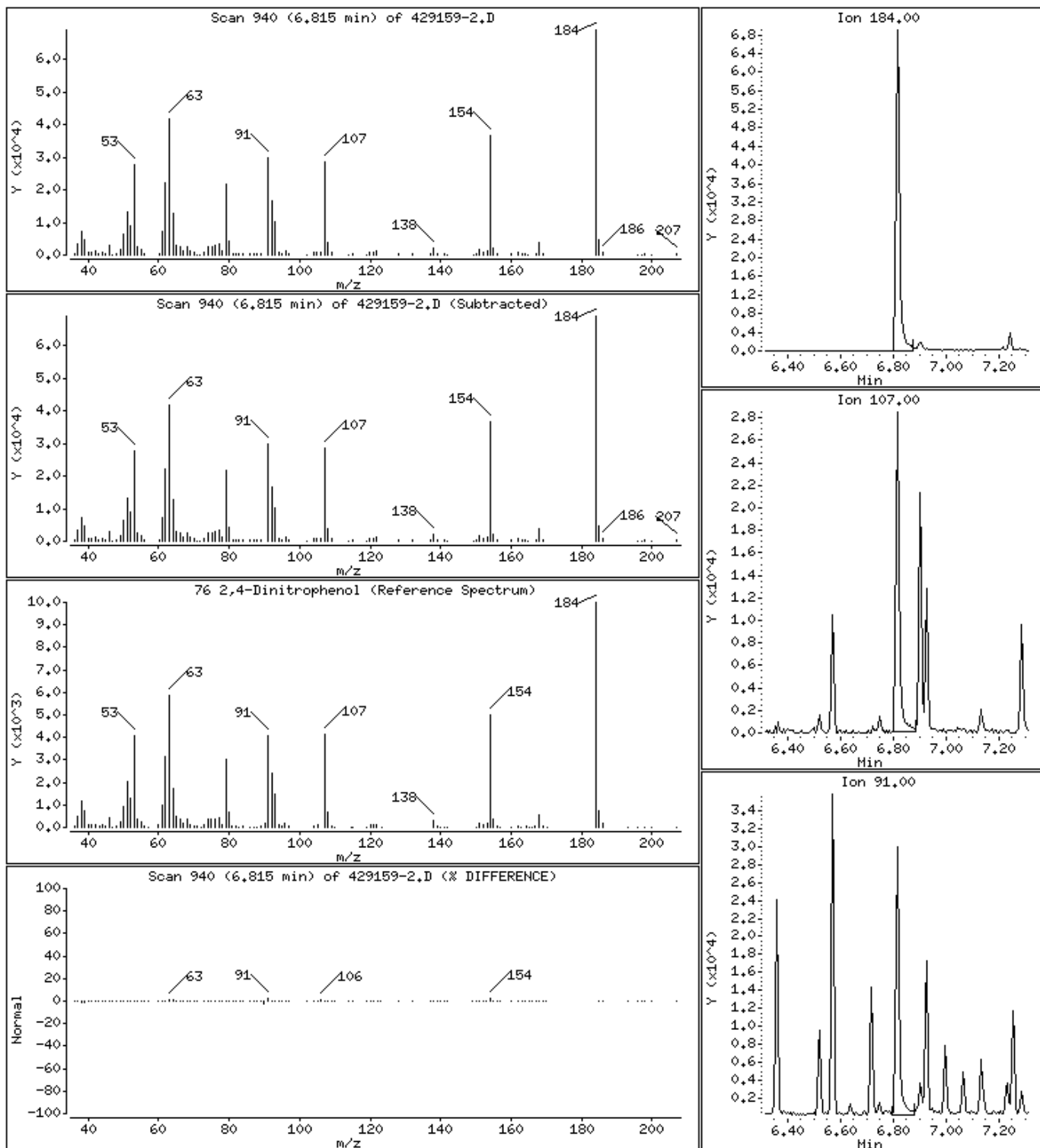
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

76 2,4-Dinitrophenol

Concentration: 26.6 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

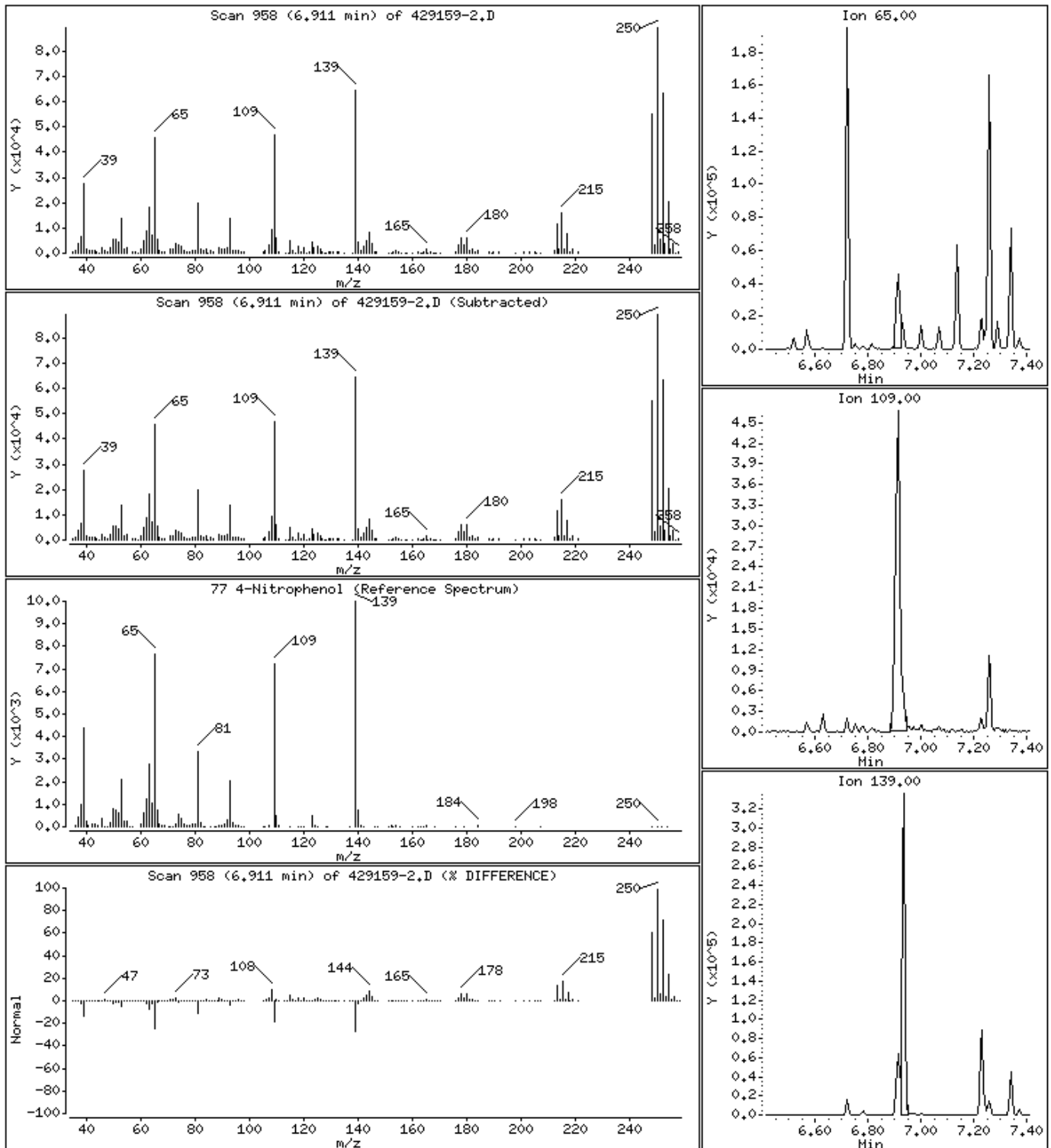
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

77 4-Nitrophenol

Concentration: 14.9 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

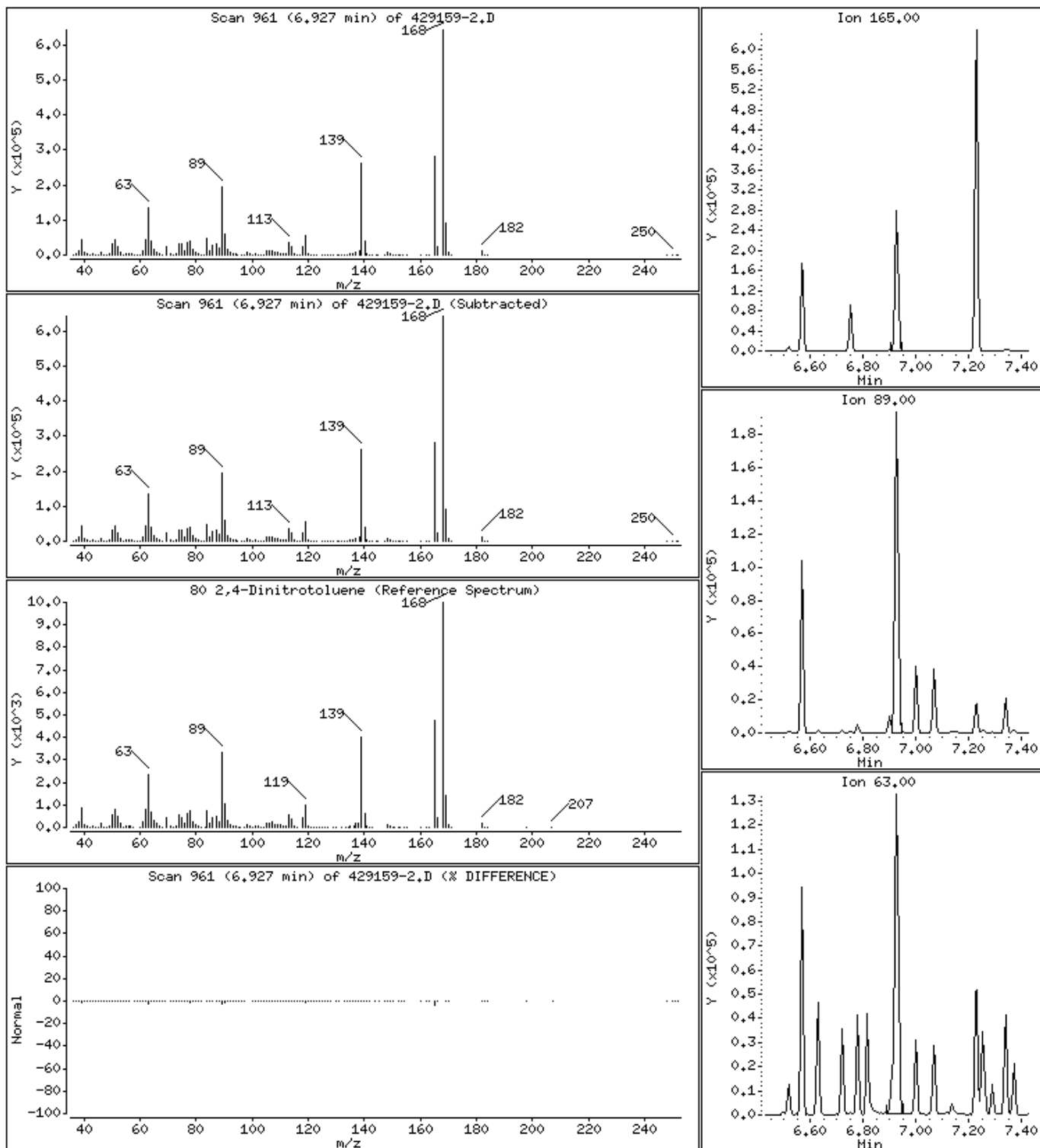
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

80 2,4-Dinitrotoluene

Concentration: 38.7 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

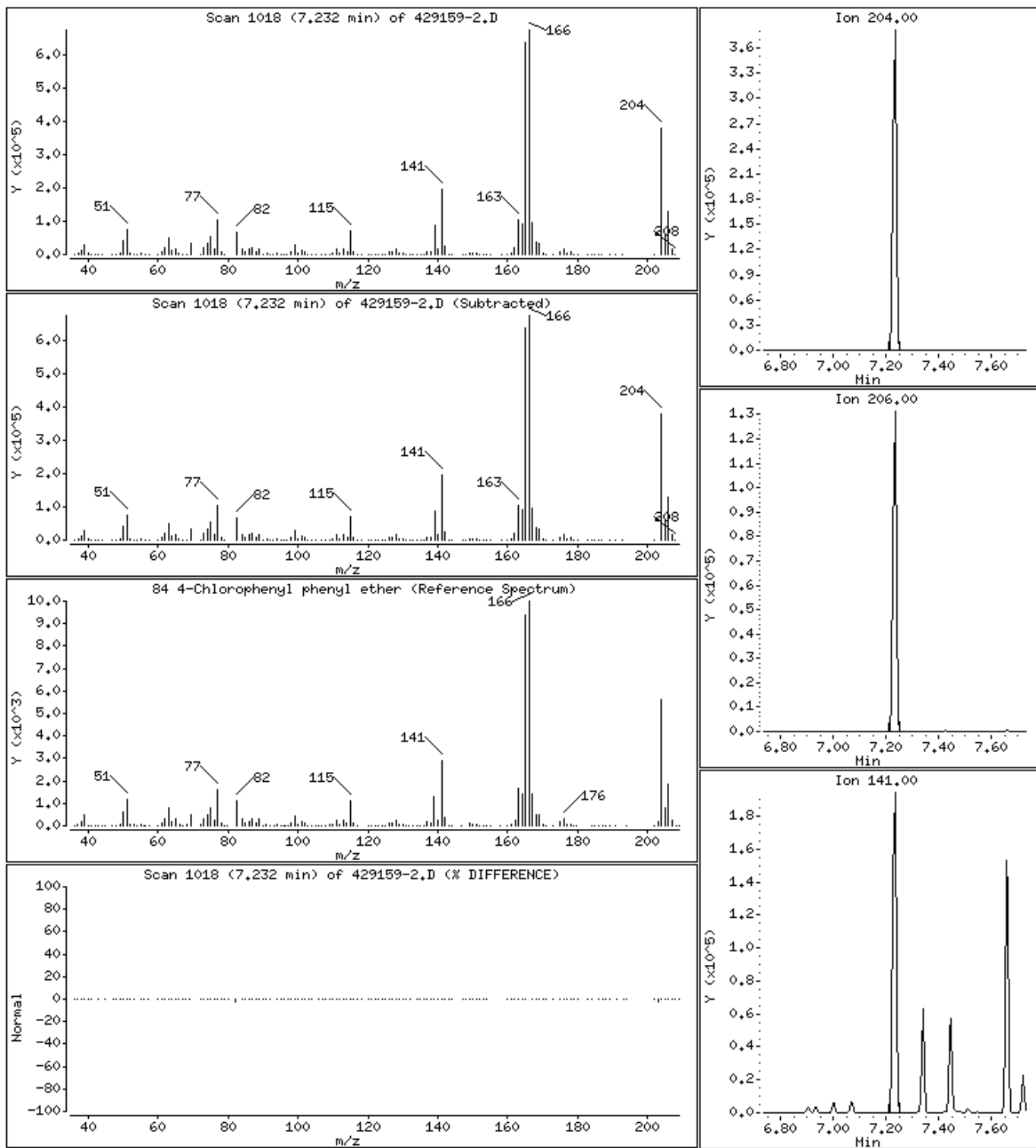
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

84 4-Chlorophenyl phenyl ether

Concentration: 31.6 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

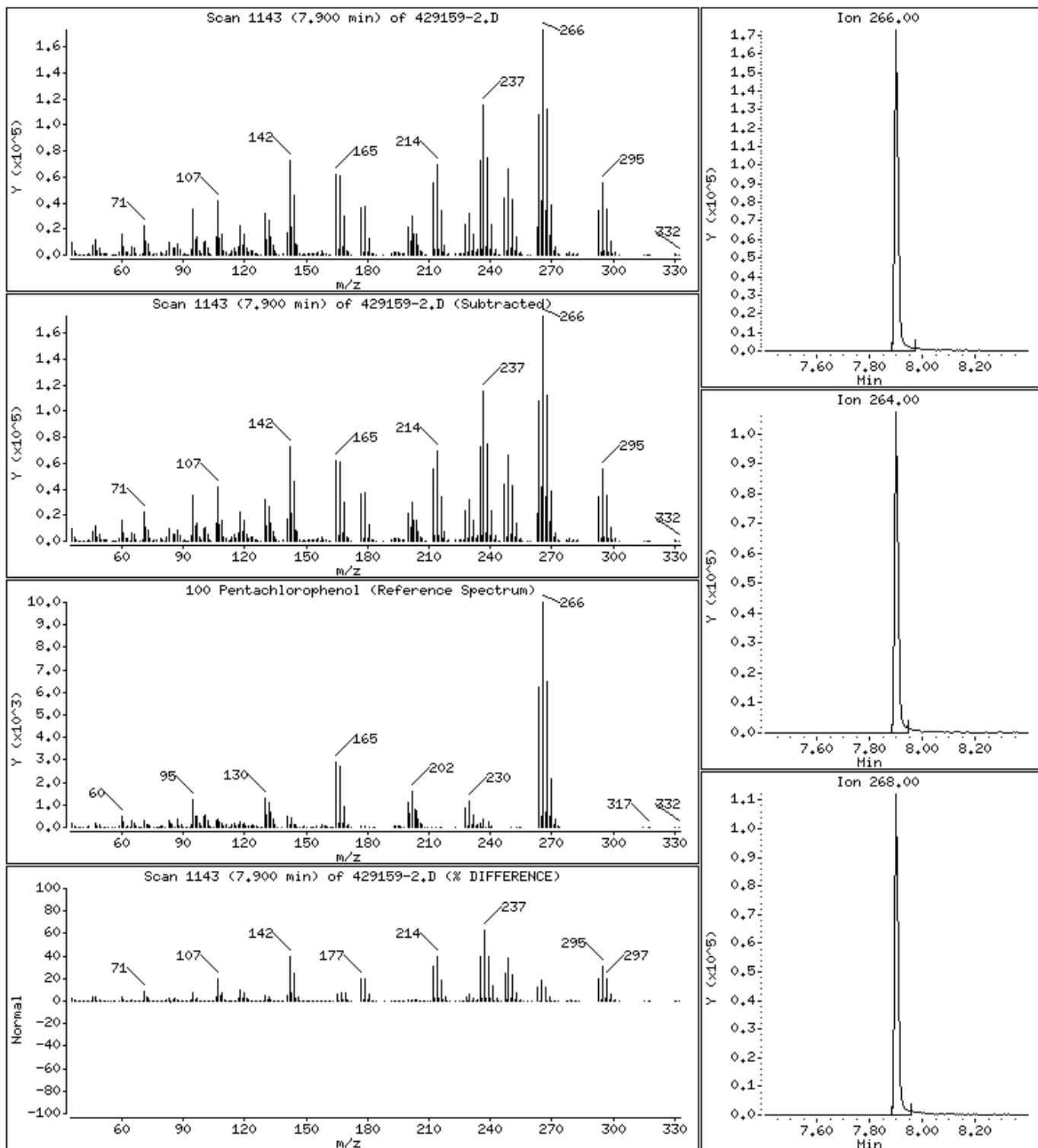
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

100 Pentachlorophenol

Concentration: 30.7 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

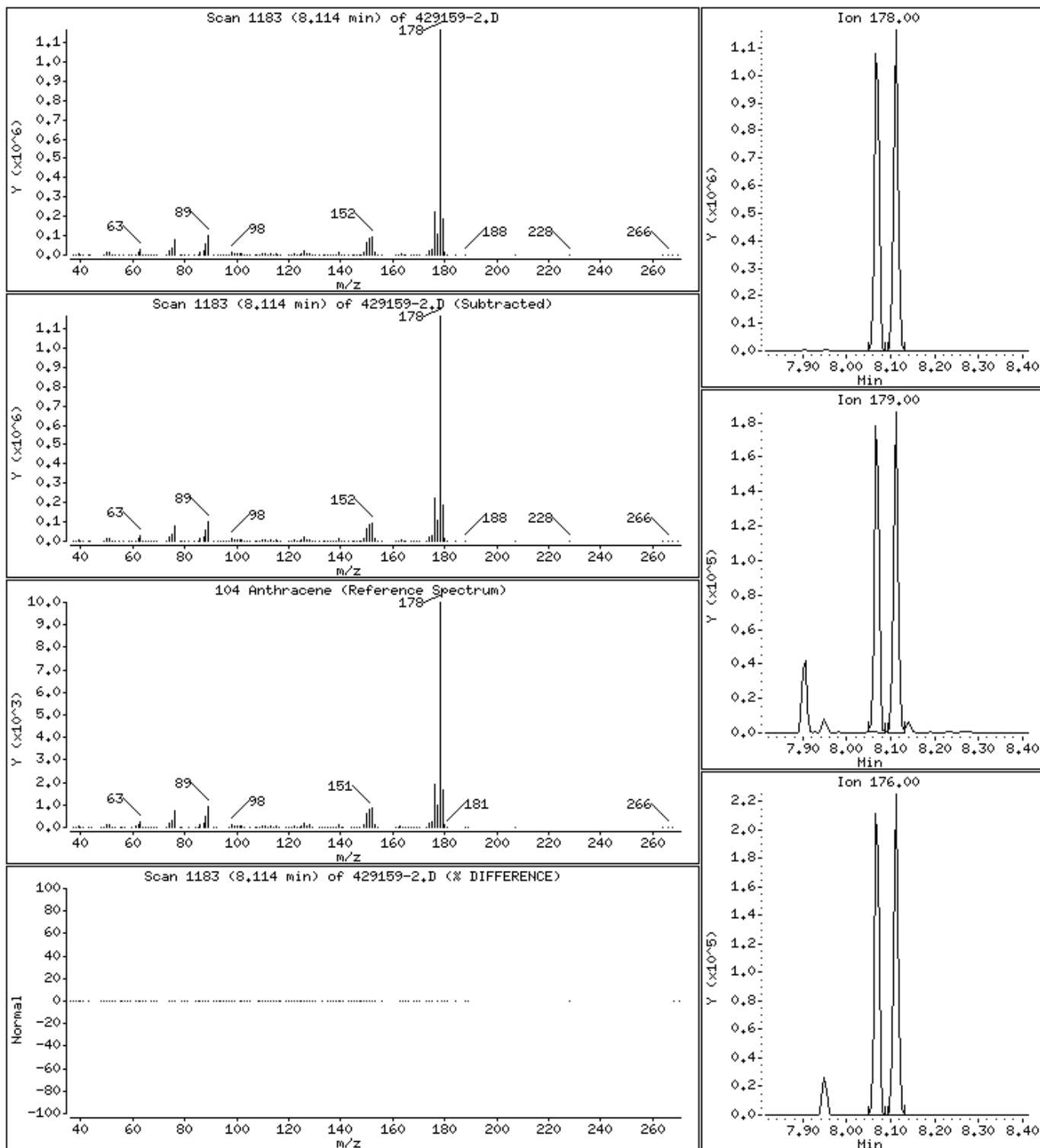
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

104 Anthracene

Concentration: 34.5 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

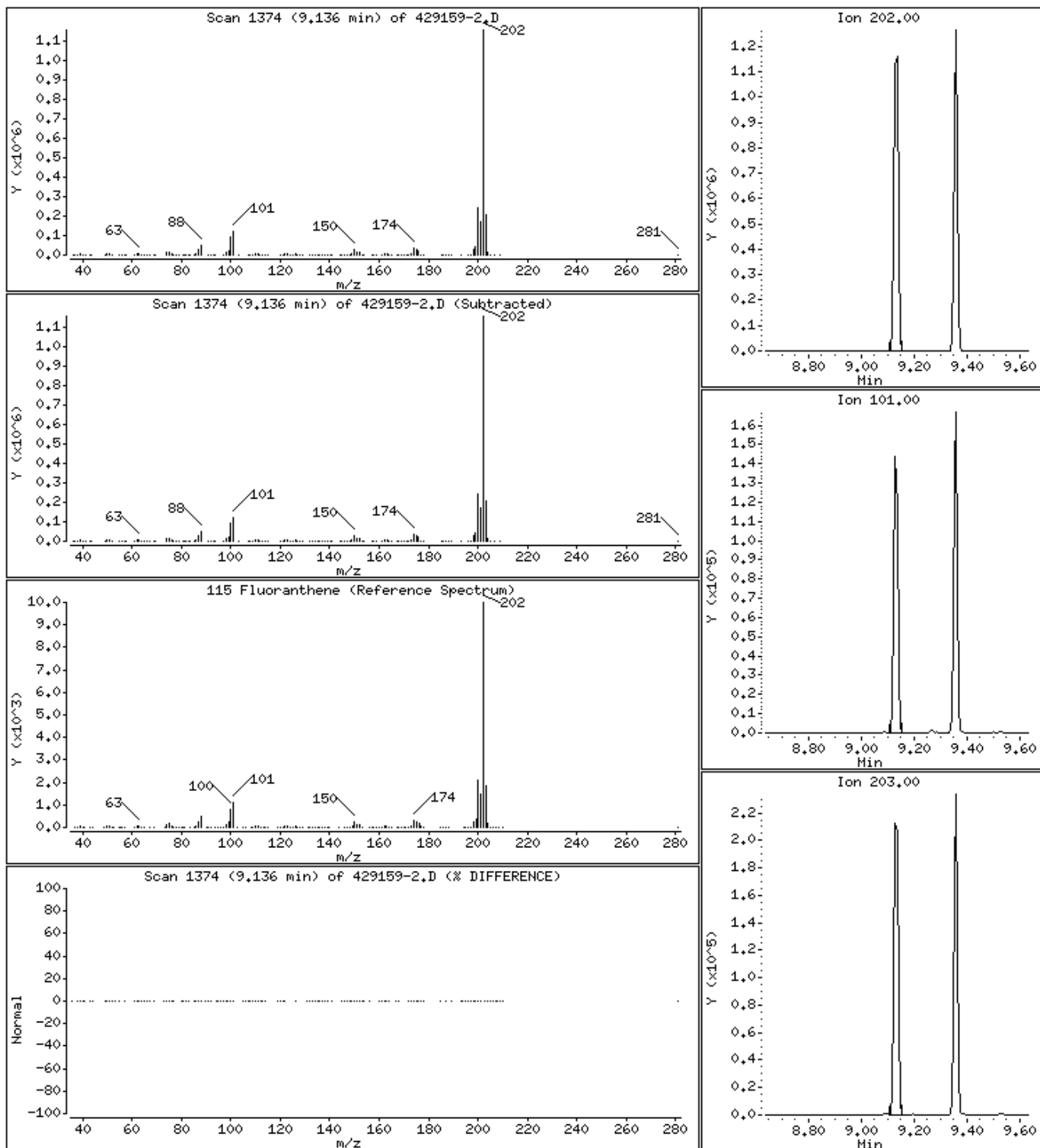
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

115 Fluoranthene

Concentration: 36.5 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

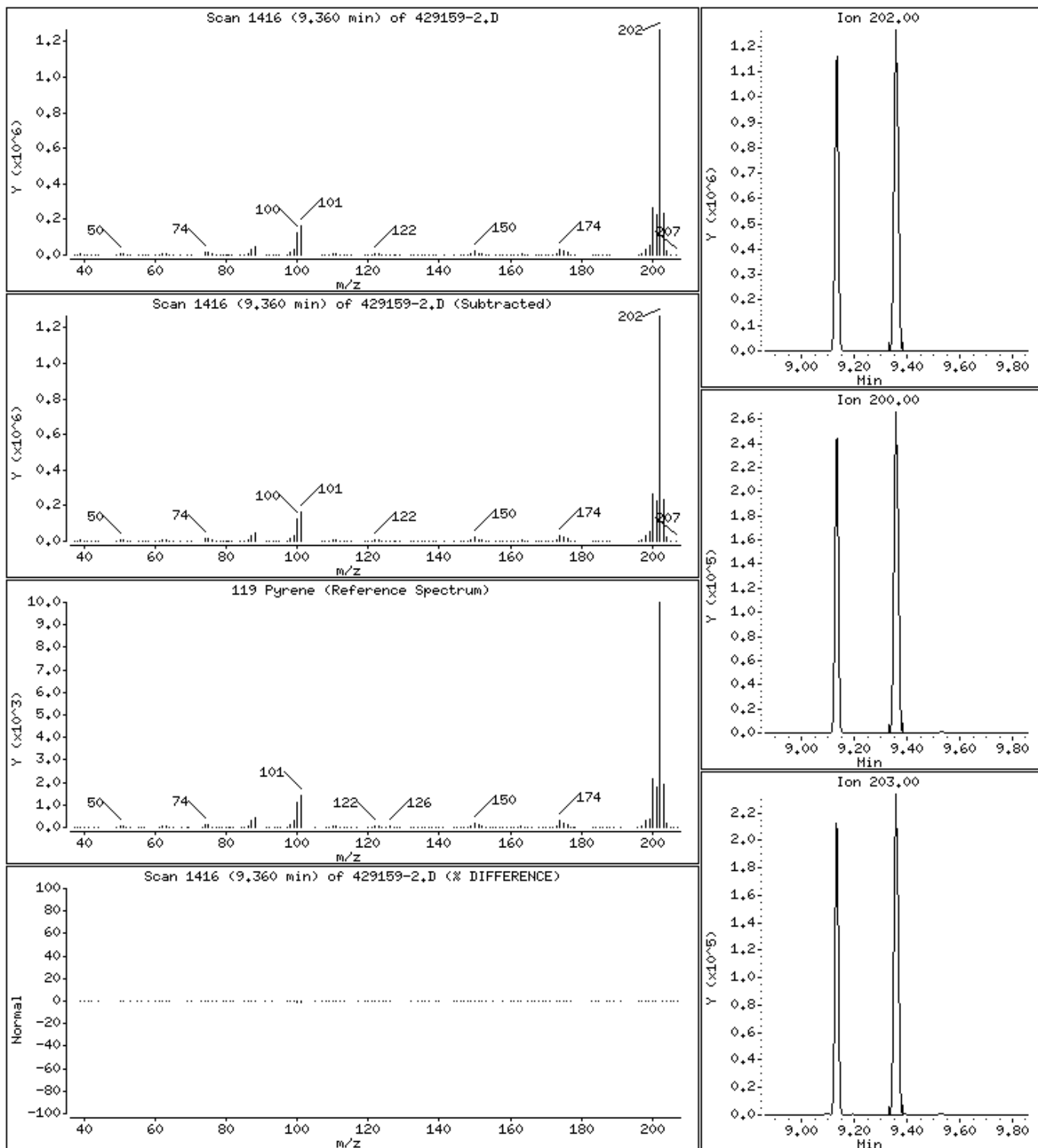
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

119 Pyrene

Concentration: 34.1 ug/L



Date : 25-AUG-2010 07:25

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-2,32,8270tol,jb

Purge Volume: 1000.0

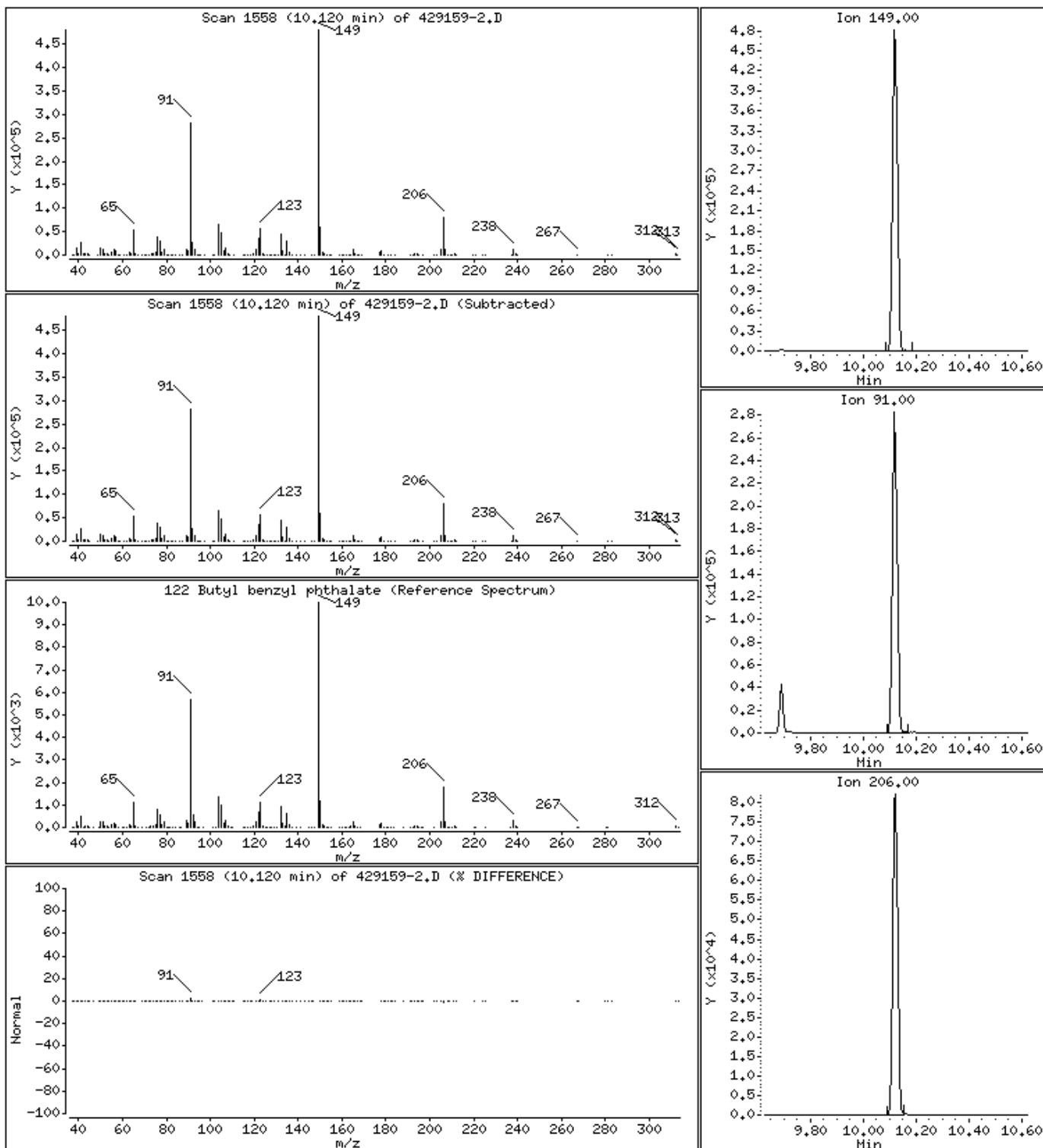
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

122 Butyl benzyl phthalate

Concentration: 36.9 ug/L



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825pa.b\429159-3.D
Lab Smp Id:
Inj Date : 25-AUG-2010 07:50
Operator : jb Inst ID: Juliet.i
Smp Info : wg429159-3p,32,8270tcl,jb
Misc Info : wg429508,wg429159,ICAL5274
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825pa.b\HP2ABNV2.m
Meth Date : 30-Aug-2010 14:11 Juliet.i Quant Type: ISTD
Cal Date : 23-AUG-2010 18:39 Cal File: ap9l5.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270tclspk.sub
Target Version: 4.12
Processing Host: EXT-3

Concentration Formula: Amt * DF * 1000 * 1/Vo*vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Sample Volume Extracted (mL)
vf	1.000	Extract Final Volume (mL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS		
QUANT SIG						ON-COLUMN	FINAL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 3 2-Fluorophenol	112	3.075	3.075	(0.744)	92921	15.9961	16.0	
\$ 7 Phenol-d6	99	3.862	3.862	(0.934)	73999	10.5111	10.5	
8 Phenol	94	Compound Not Detected.						
12 2-Chlorophenol	128	3.969	3.969	(0.960)	154375	23.4559	23.4	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	195454	40.0000		
16 1,4-Dichlorobenzene	146	4.145	4.145	(1.003)	136602	18.2020	18.2	
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	138778	19.6783	19.7	
24 n-Nitrosodi-n-propylamine	70	4.477	4.482	(1.083)	101185	25.9365	25.9	
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	95658	15.6191	15.6	
32 2-Nitrophenol	139	4.899	4.899	(1.185)	98007	26.2665	26.3	
38 1,2,4-Trichlorobenzene	180	5.177	5.183	(0.991)	136919	18.1721	18.2	
* 39 Naphthalene-d8	136	5.226	5.225	(1.000)	745482	40.0000		
50 p-Chloro-m-cresol	107	5.739	5.744	(1.098)	164837	28.4090	28.4	
\$ 58 2-Fluorobiphenyl	172	6.167	6.167	(1.180)	263243	15.4563	15.4	
60 2-Chloronaphthalene	162	6.269	6.269	(1.200)	413387	29.3634	29.4	
69 2,6-Dinitrotoluene	165	6.568	6.573	(1.257)	115541	29.7869	29.8	
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	478593	40.0000		
75 Acenaphthene	154	6.777	6.782	(1.004)	334654	27.0843	27.1	
76 2,4-Dinitrophenol	184	6.814	6.814	(1.010)	46378	23.2077	23.2	
77 4-Nitrophenol	65	Compound Not Detected.						
80 2,4-Dinitrotoluene	165	6.926	6.926	(1.026)	153534	33.2759	33.3	
84 4-Chlorophenyl phenyl ether	204	7.231	7.231	(1.071)	250559	30.0843	30.1	
\$ 91 2,4,6-Tribromophenol	330	Compound Not Detected.						

Compounds	QUANT SIG	CONCENTRATIONS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
100 Pentachlorophenol	266	7.900	7.900	(0.982)	109076	28.3175	28.3	
* 102 Phenanthrene-d10	188	8.044	8.050	(1.000)	856334	40.0000		
104 Anthracene	178	8.114	8.114	(1.009)	811603	34.4572	34.4	
115 Fluoranthene	202	9.130	9.135	(1.135)	1011046	37.5281	37.5	
119 Pyrene	202	9.360	9.360	(1.164)	1022225	33.2649	33.3	
\$ 120 4-Terphenyl-d14	244	9.531	9.531	(1.185)	497501	21.7119	21.7	
122 Butyl benzyl phthalate	149	10.120	10.125	(1.258)	456495	34.5928	34.6	
* 129 Chrysene-d12	240	10.868	10.863	(1.000)	1280214	40.0000		
* 143 Perylene-d12	264	13.195	13.195	(1.000)	1570997	40.0000		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: 429159-3.D

Calibration Date: 25-AUG-2010
Calibration Time: 06:36

Lab Smp Id:
Analysis Type: SV

Level: LOW
Sample Type: WATER

Quant Type: ISTD

Operator: jb

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825pa.b\HP2ABNv2.m

Misc Info: wg429508,wg429159,ICAL5274

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	189291	94646	378582	195454	3.26
39 Naphthalene-d8	726069	363035	1452138	745482	2.67
74 Acenaphthene-d10	475154	237577	950308	478593	0.72
102 Phenanthrene-d10	904238	452119	1808476	856334	-5.30
129 Chrysene-d12	1362412	681206	2724824	1280214	-6.03
143 Perylene-d12	1661748	830874	3323496	1570997	-5.46

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	0.00
102 Phenanthrene-d10	8.05	7.55	8.55	8.04	-0.07
129 Chrysene-d12	10.86	10.36	11.36	10.87	0.05
143 Perylene-d12	13.20	12.70	13.70	13.20	0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: 100825.b
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id:
Level: LOW Operator: jb
Data Type: MS DATA SampleType: LCS
SpikeList File: 8270tclspkag40.spk Quant Type: ISTD
Sublist File: 8270tclspk.sub
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825pa.b\HP2ABNv2.m
Misc Info: wg429508,wg429159,ICAL5274

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
8 Phenol	40.0	0.000	*	12-110
12 2-Chlorophenol	40.0	23.4	58.64	27-123
16 1,4-Dichlorobenzen	40.0	18.2	45.50	36-97
18 1,2-Dichlorobenzen	40.0	19.7	49.20	40-140
24 n-Nitrosodi-n-prop	40.0	25.9	64.84	41-116
32 2-Nitrophenol	40.0	26.3	65.67	40-140
38 1,2,4-Trichloroben	40.0	18.2	45.43	39-98
50 p-Chloro-m-cresol	40.0	28.4	71.02	23-97
60 2-Chloronaphthalen	40.0	29.4	73.41	40-140
69 2,6-Dinitrotoluene	40.0	29.8	74.47	40-140
75 Acenaphthene	40.0	27.1	67.71	46-118
76 2,4-Dinitrophenol	40.0	23.2	58.02	20-130
77 4-Nitrophenol	40.0	0.000	*	10-80
80 2,4-Dinitrotoluene	40.0	33.3	83.19	30-130
84 4-Chlorophenyl phe	40.0	30.1	75.21	40-140
100 Pentachlorophenol	40.0	28.3	70.79	9-103
104 Anthracene	40.0	34.4	86.14	40-140
115 Fluoranthene	40.0	37.5	93.82	40-140
119 Pyrene	40.0	33.3	83.16	26-127
122 Butyl benzyl phtha	40.0	34.6	86.48	40-140

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 3 2-Fluorophenol	50.0	16.0	31.99	21-120
\$ 7 Phenol-d6	50.0	10.5	21.02	10-120
\$ 28 Nitrobenzene-d5	25.0	15.6	62.48	23-120
\$ 58 2-Fluorobiphenyl	25.0	15.4	61.83	15-120
\$ 91 2,4,6-Tribromophe	50.0	0.000	*	10-120
\$ 120 4-Terphenyl-d14	25.0	21.7	86.85	33-120

Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

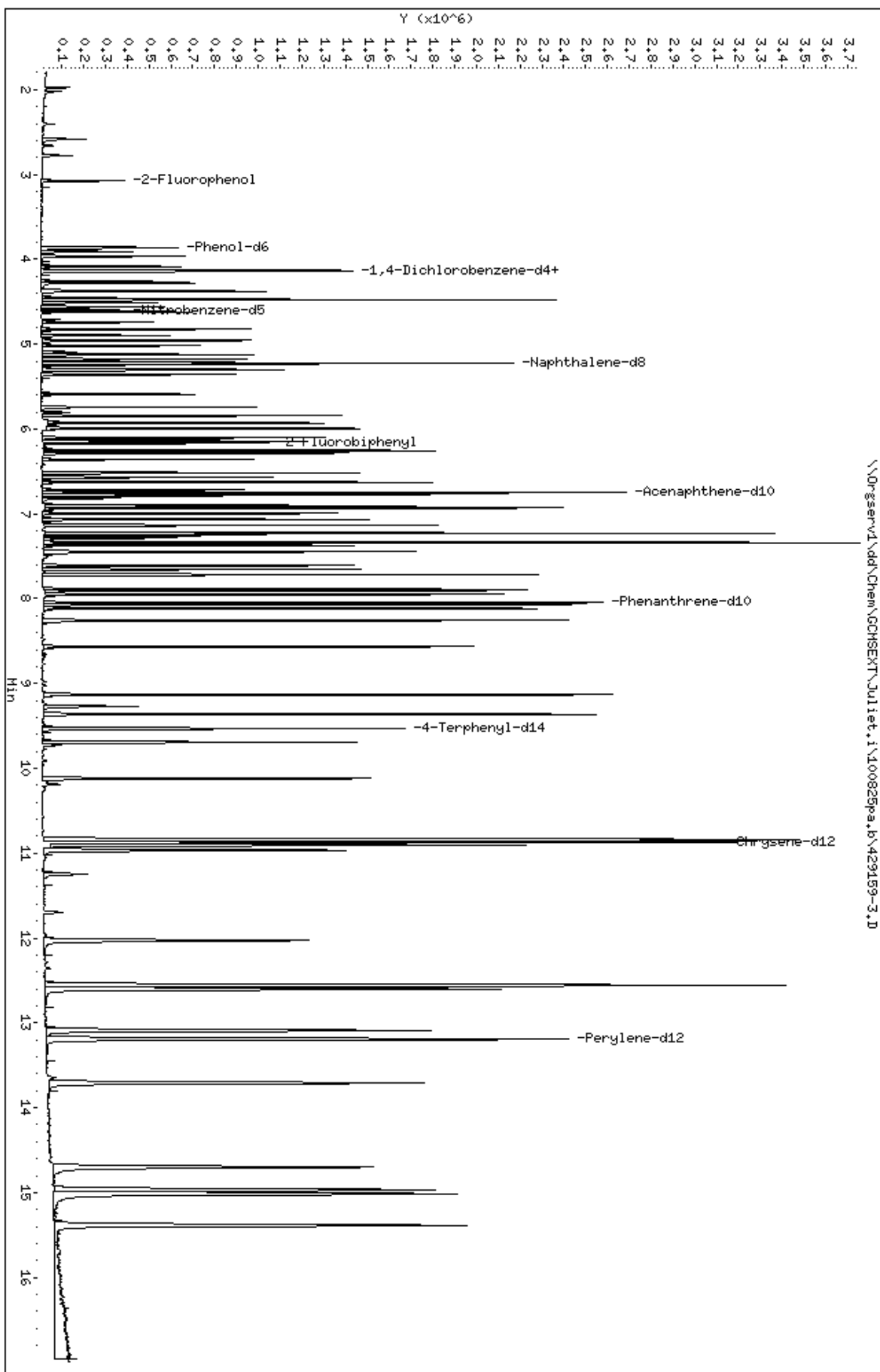
Sample Info: wg429159-3p,32,8270col.jib

Purge Volume: 1000.0

Operator: jib

Column phase: RTX-5

Column diameter: 0.32



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tcl,jb

Purge Volume: 1000.0

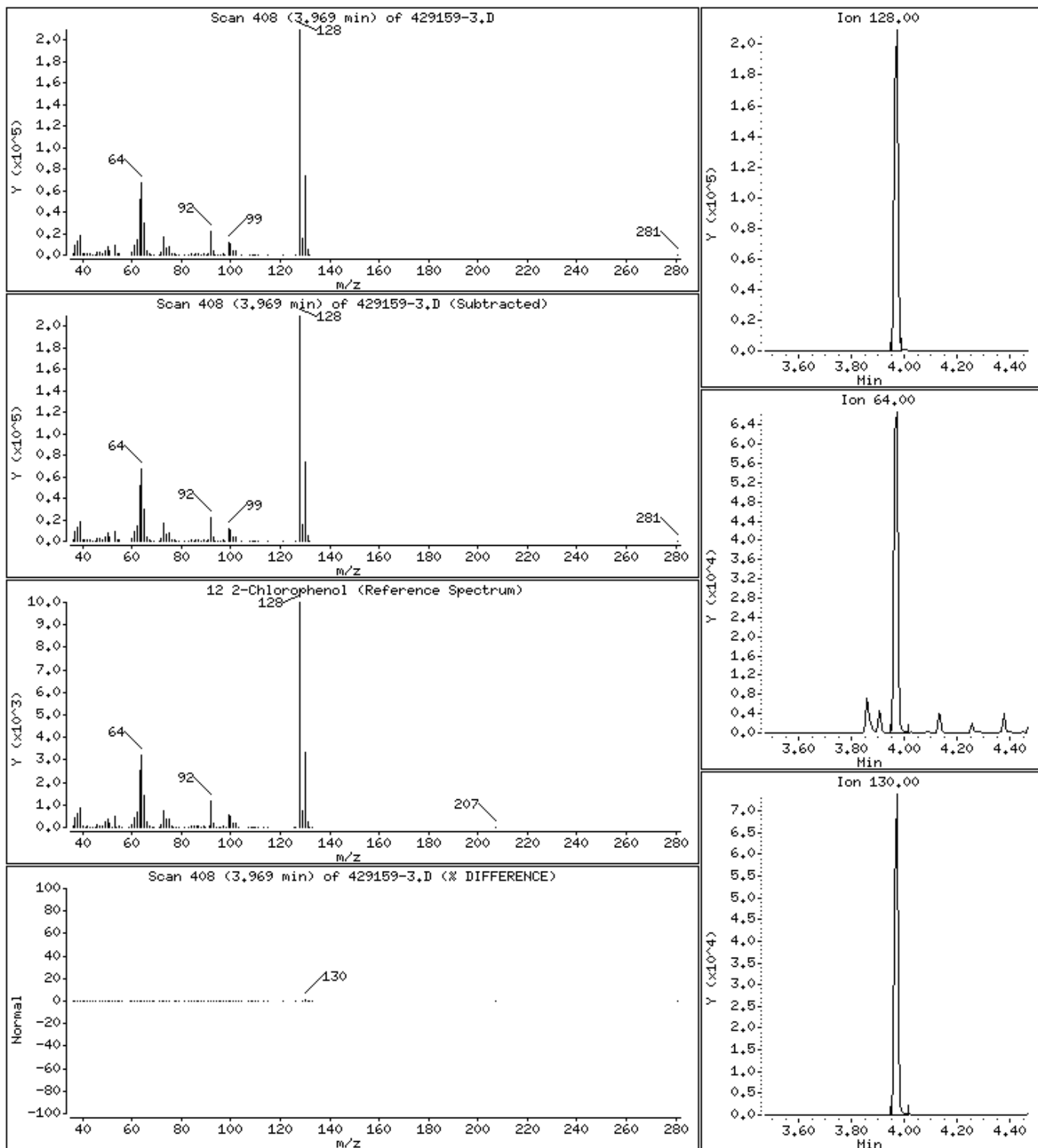
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

12 2-Chlorophenol

Concentration: 23.4 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tcl,jb

Purge Volume: 1000.0

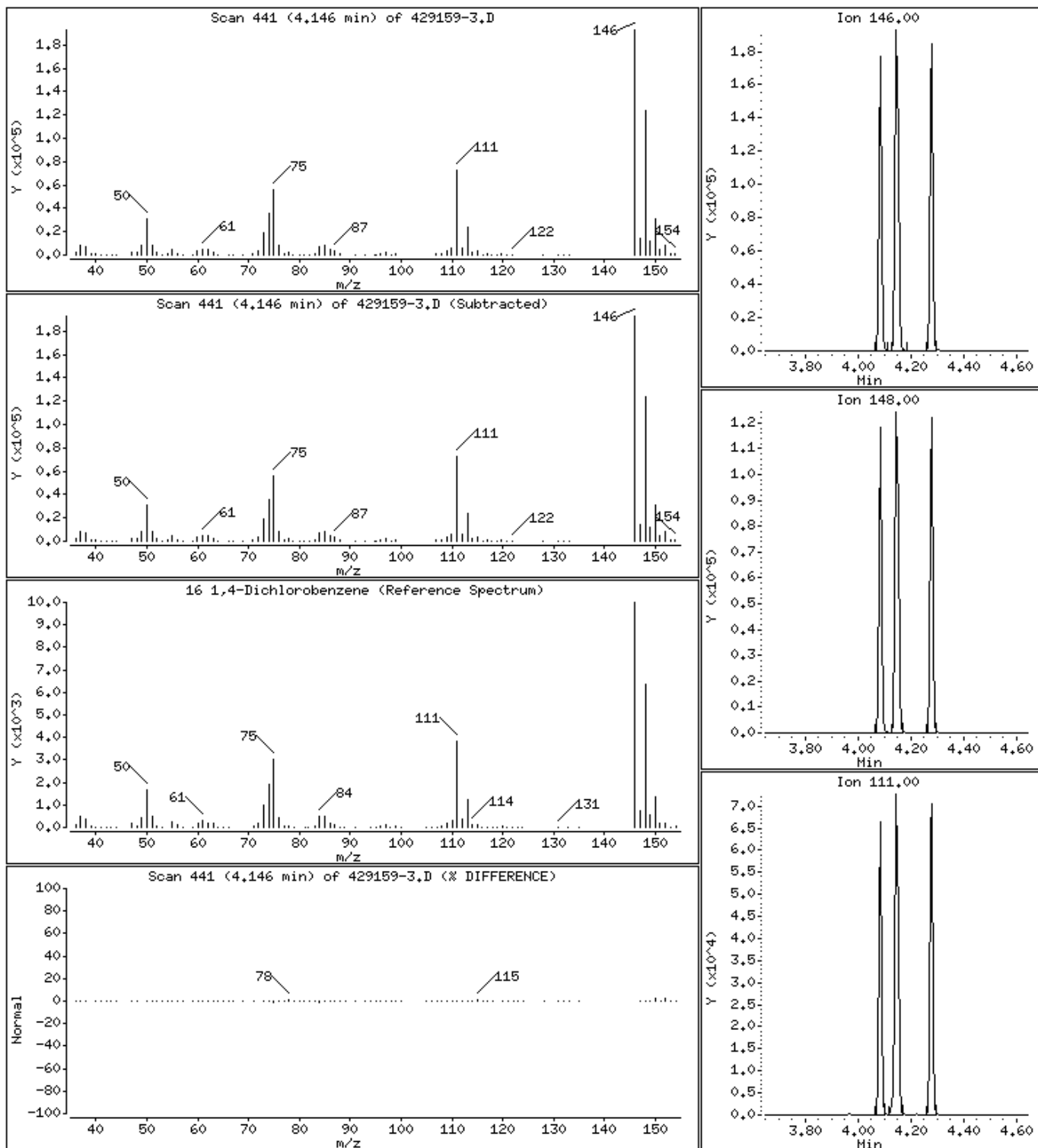
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

16 1,4-Dichlorobenzene

Concentration: 18.2 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tcl,jb

Purge Volume: 1000.0

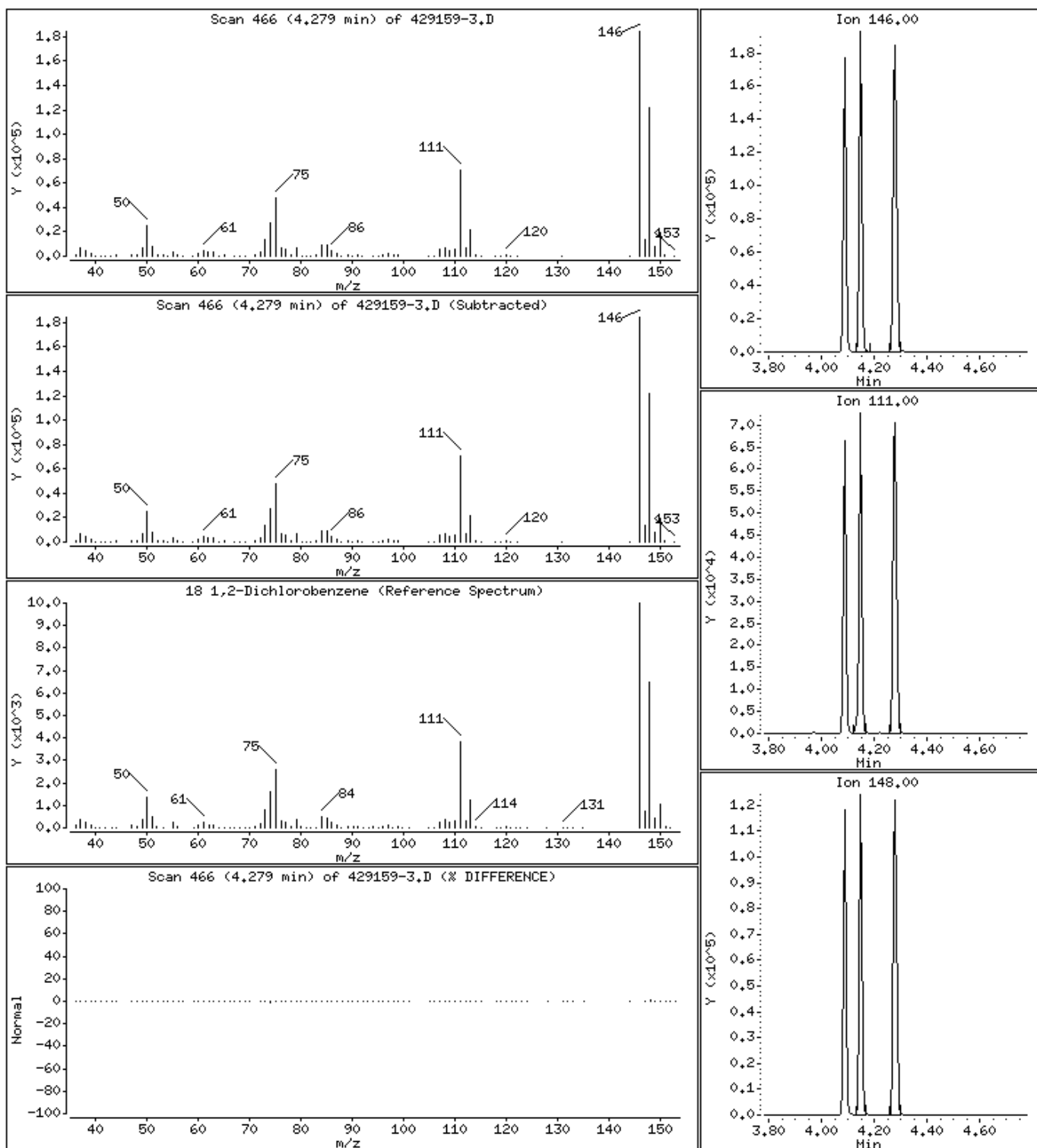
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

18 1,2-Dichlorobenzene

Concentration: 19.7 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tcl,jb

Purge Volume: 1000.0

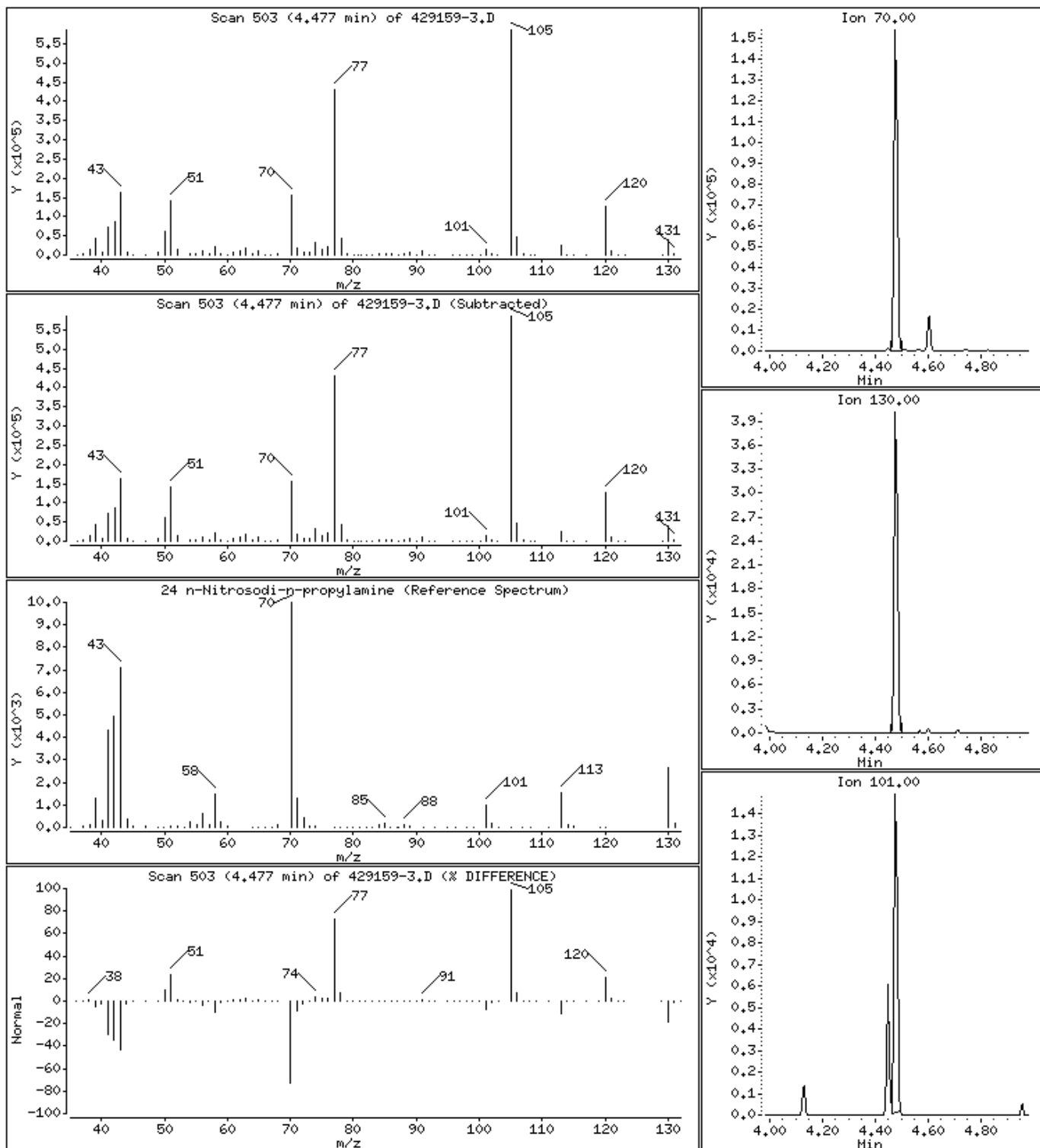
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

24 n-Nitrosodi-n-propylamine

Concentration: 25.9 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tcl,jb

Purge Volume: 1000.0

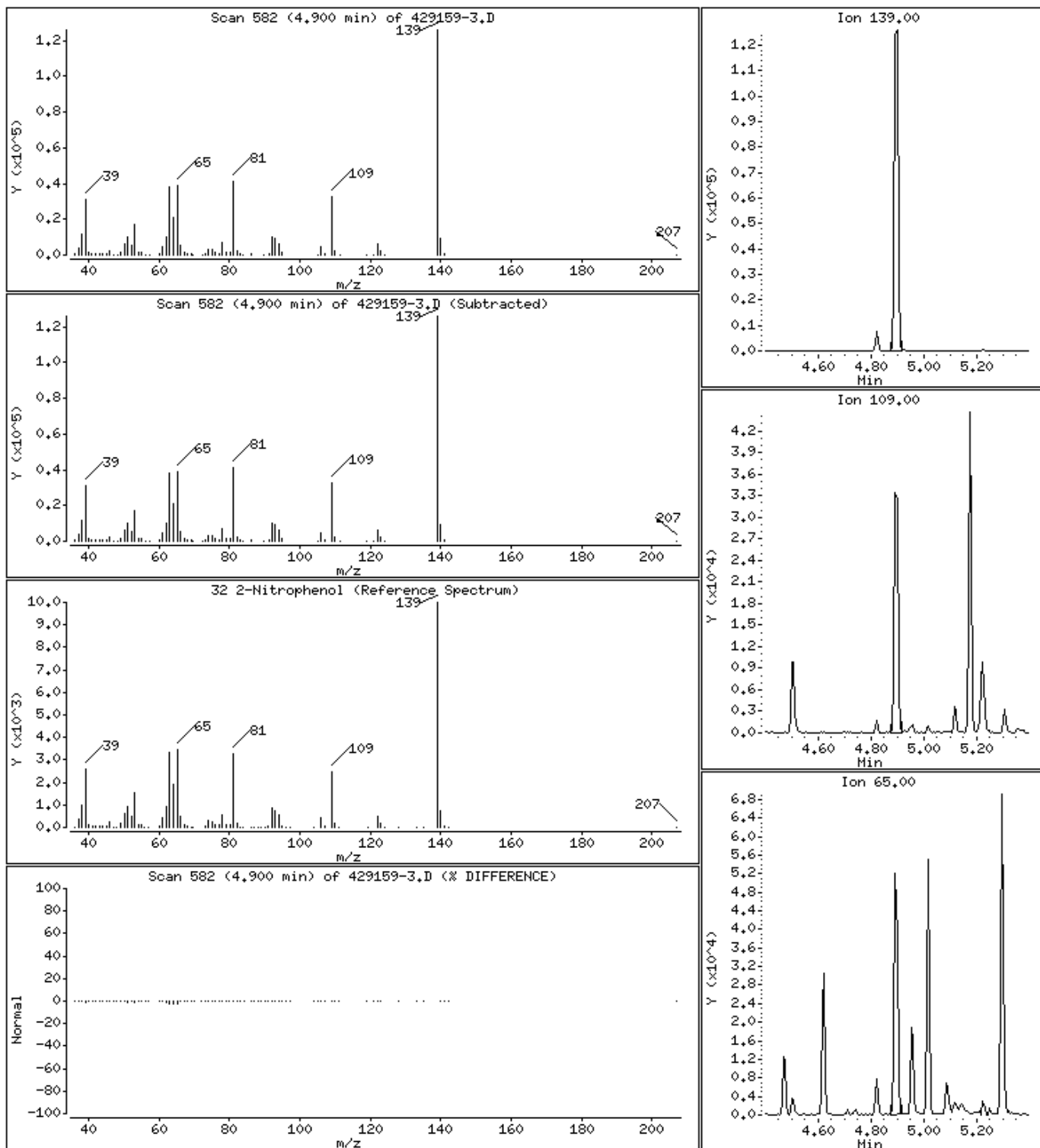
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

32 2-Nitrophenol

Concentration: 26.3 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tcl,jb

Purge Volume: 1000.0

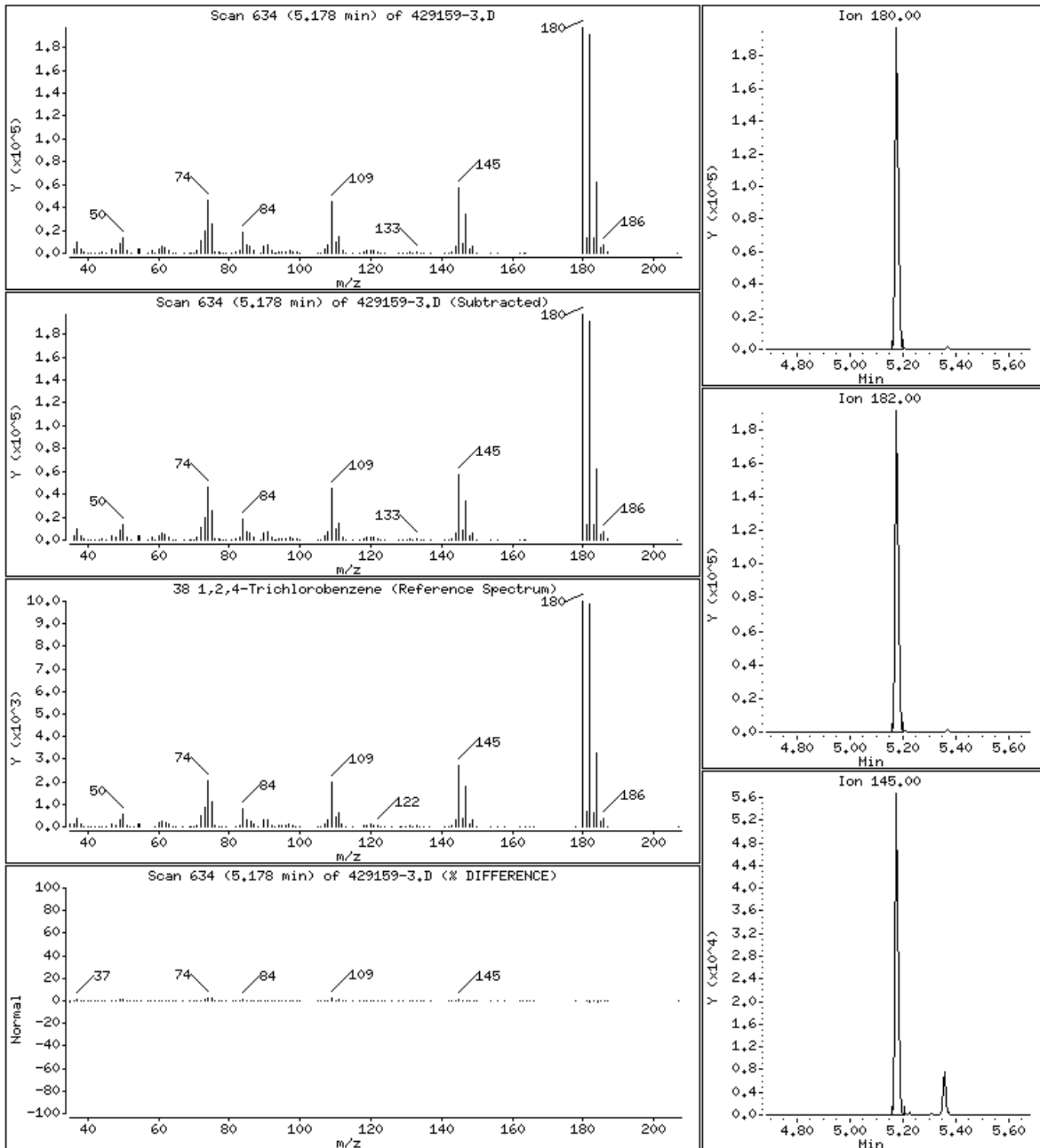
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

38 1,2,4-Trichlorobenzene

Concentration: 18.2 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tol,jb

Purge Volume: 1000.0

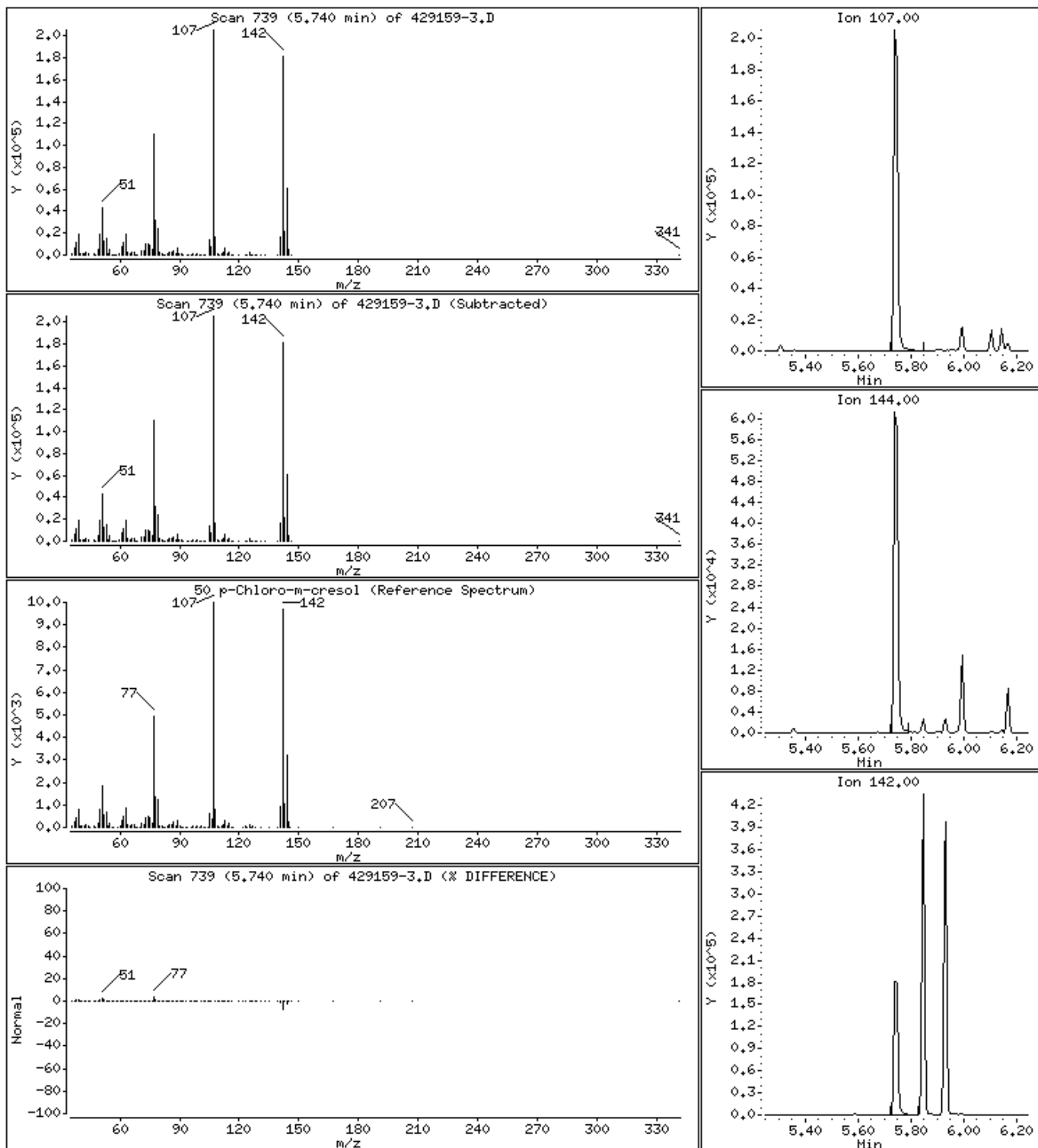
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

50 p-Chloro-m-cresol

Concentration: 28.4 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tol,jb

Purge Volume: 1000.0

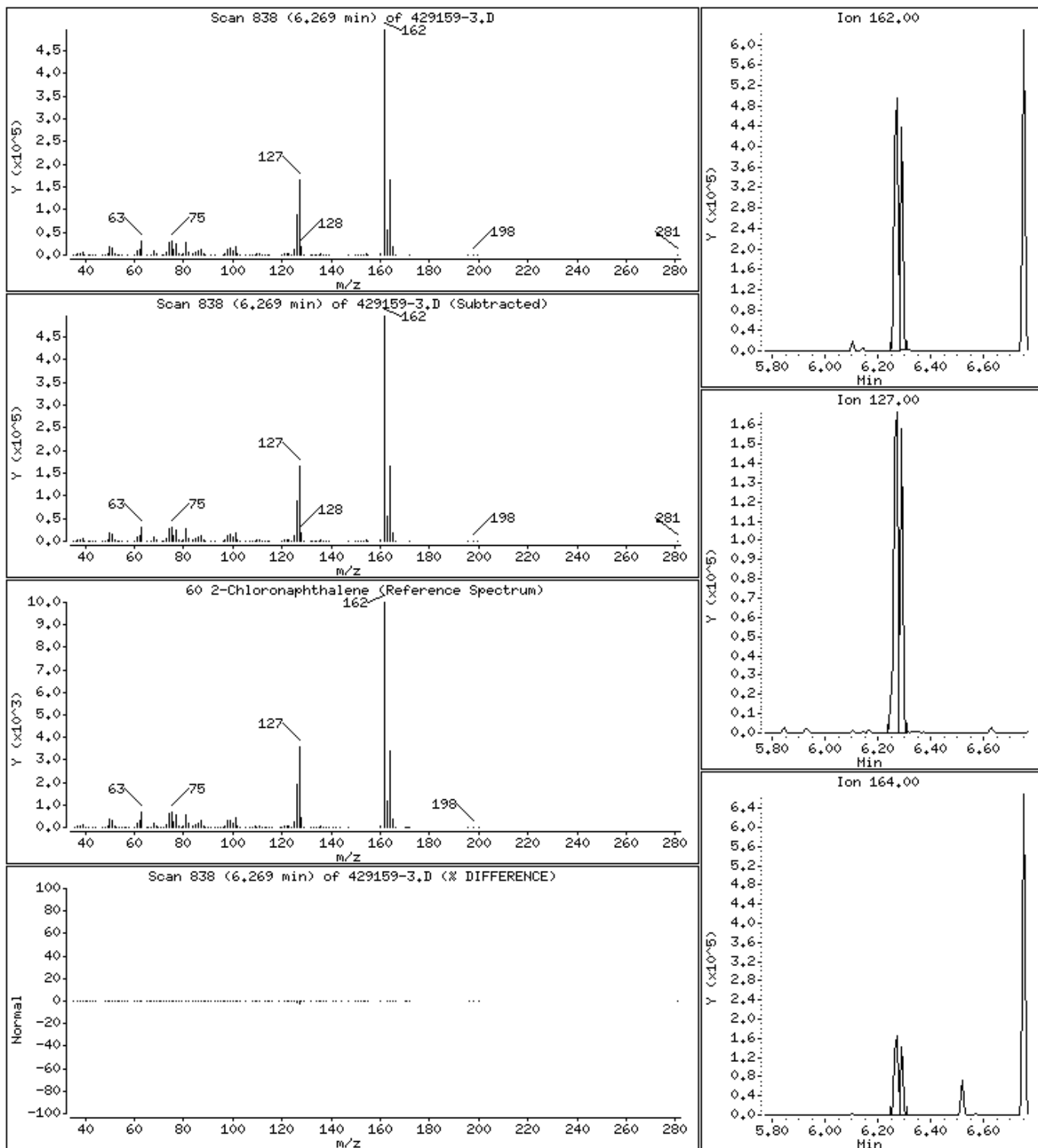
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

60 2-Chloronaphthalene

Concentration: 29.4 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tol,jb

Purge Volume: 1000.0

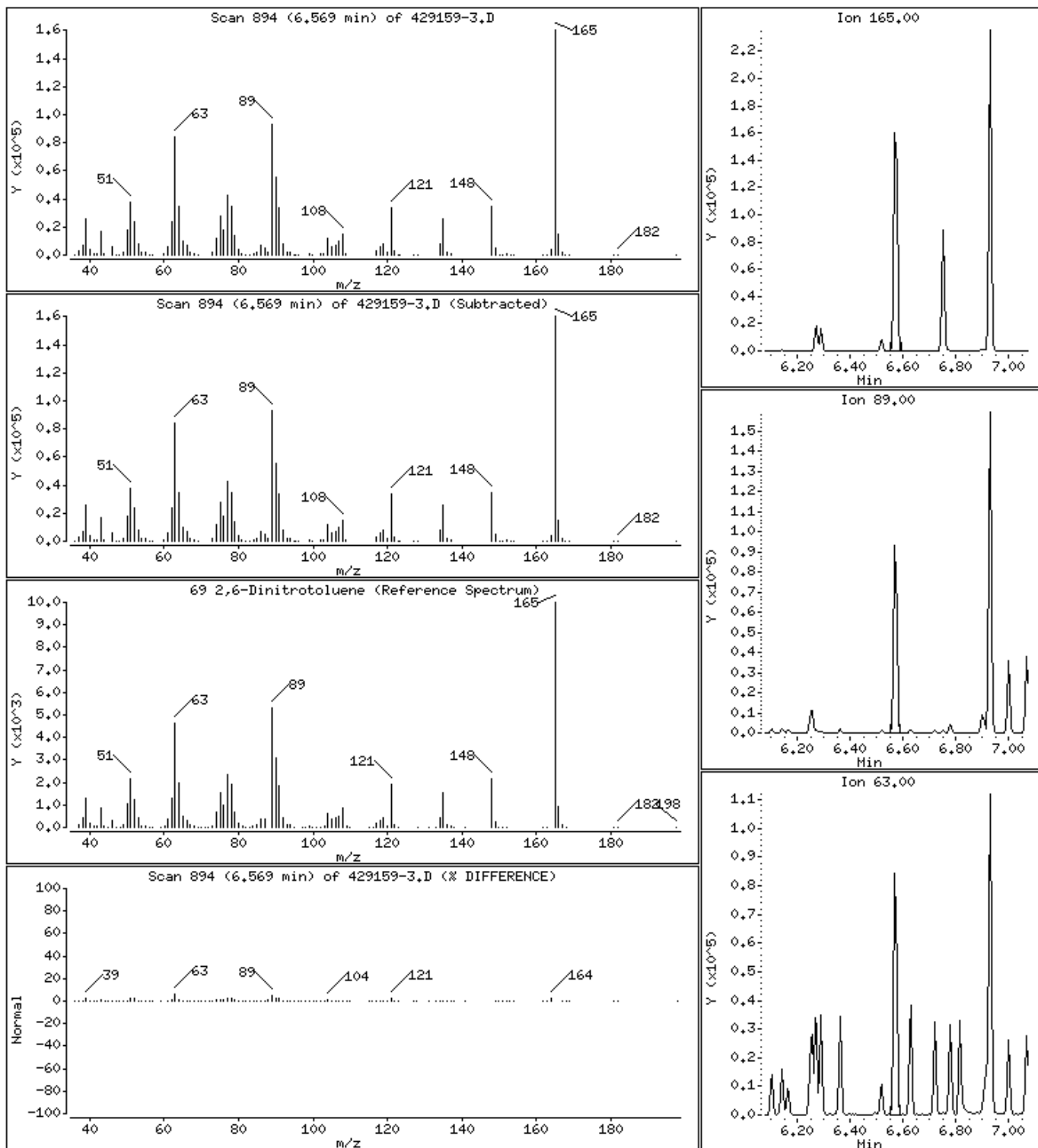
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

69 2,6-Dinitrotoluene

Concentration: 29.8 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tol,jb

Purge Volume: 1000.0

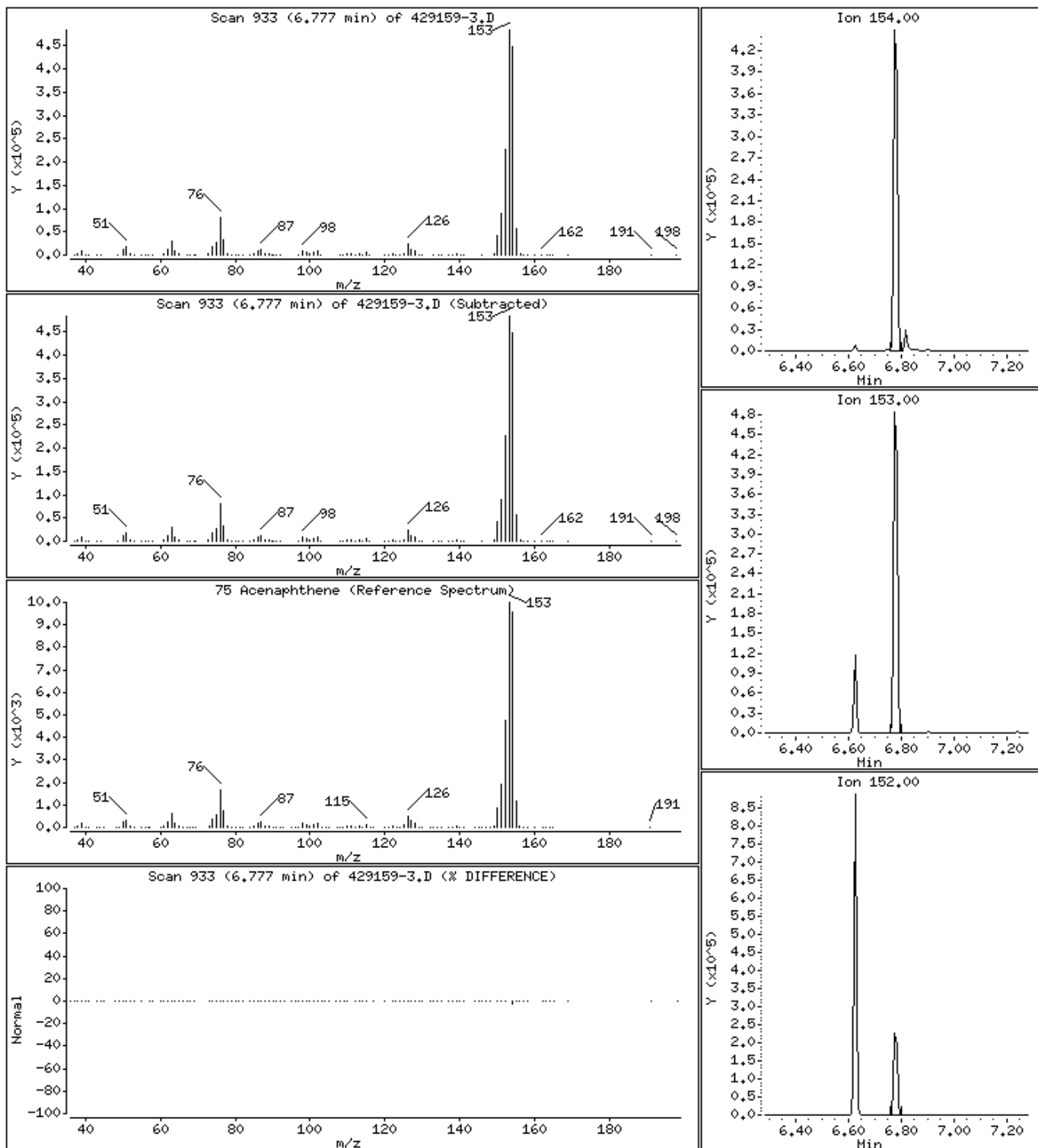
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

75 Acenaphthene

Concentration: 27.1 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tcl,jb

Purge Volume: 1000.0

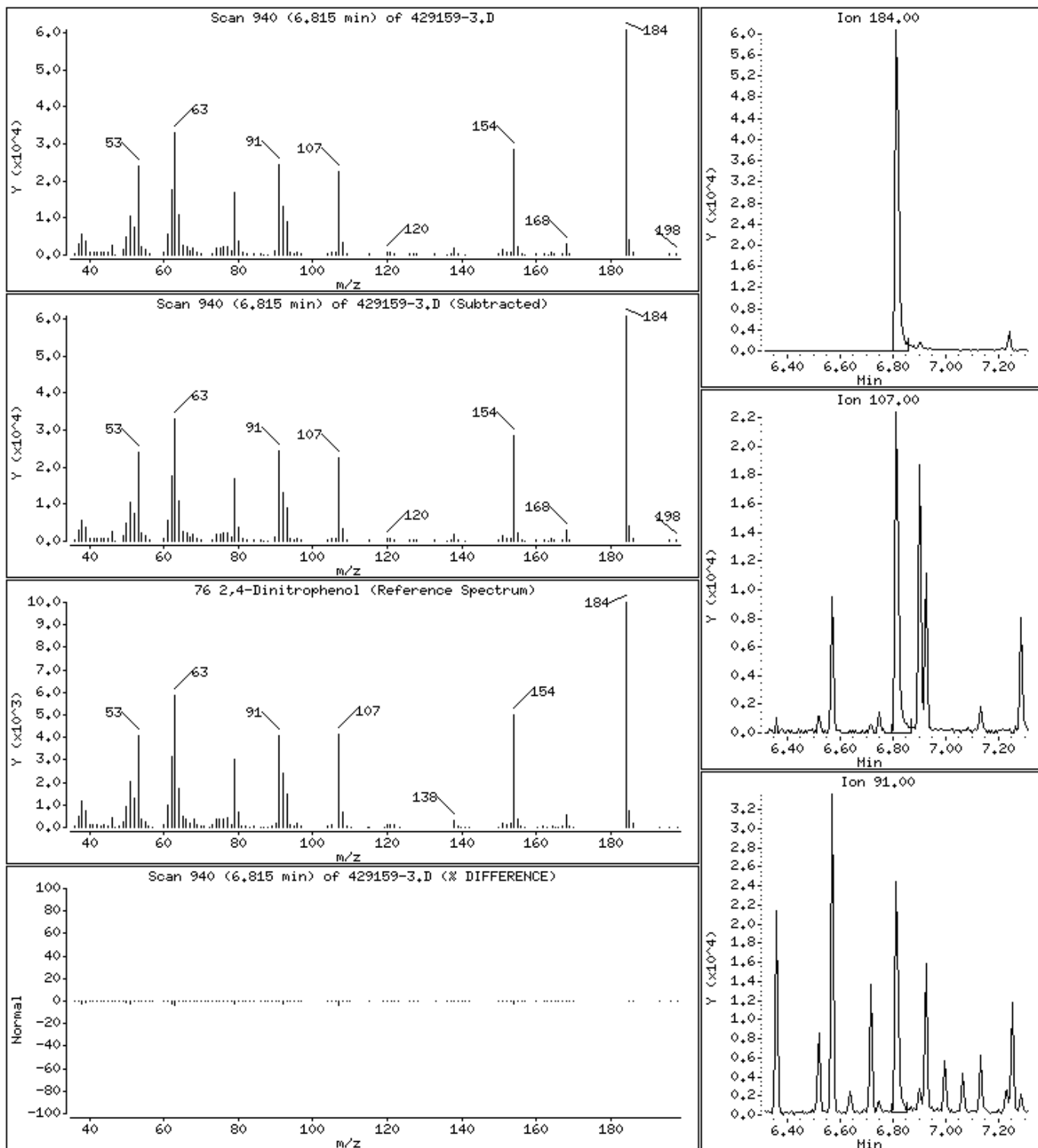
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

76 2,4-Dinitrophenol

Concentration: 23.2 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tol,jb

Purge Volume: 1000.0

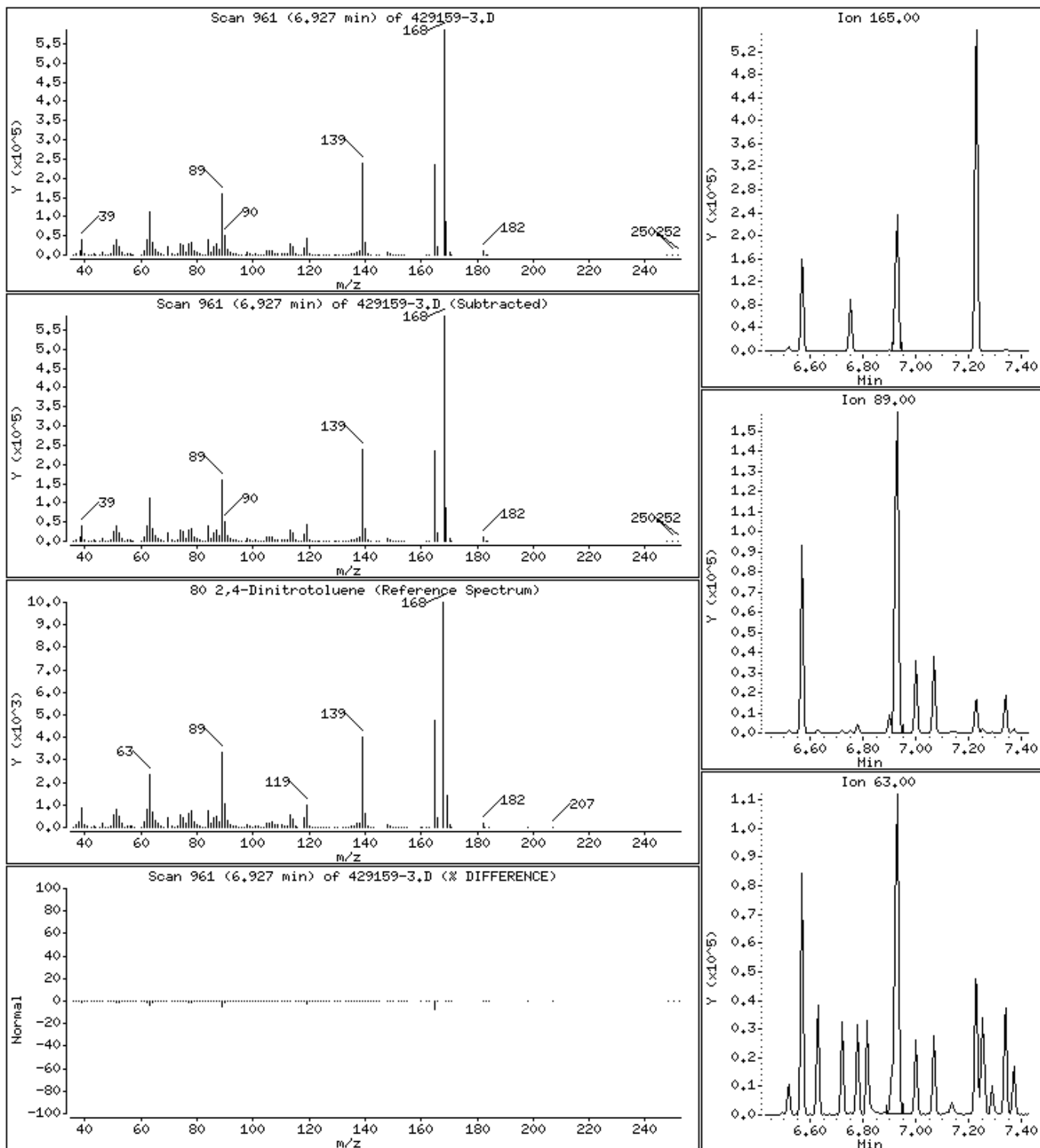
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

80 2,4-Dinitrotoluene

Concentration: 33.3 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tcl,jb

Purge Volume: 1000.0

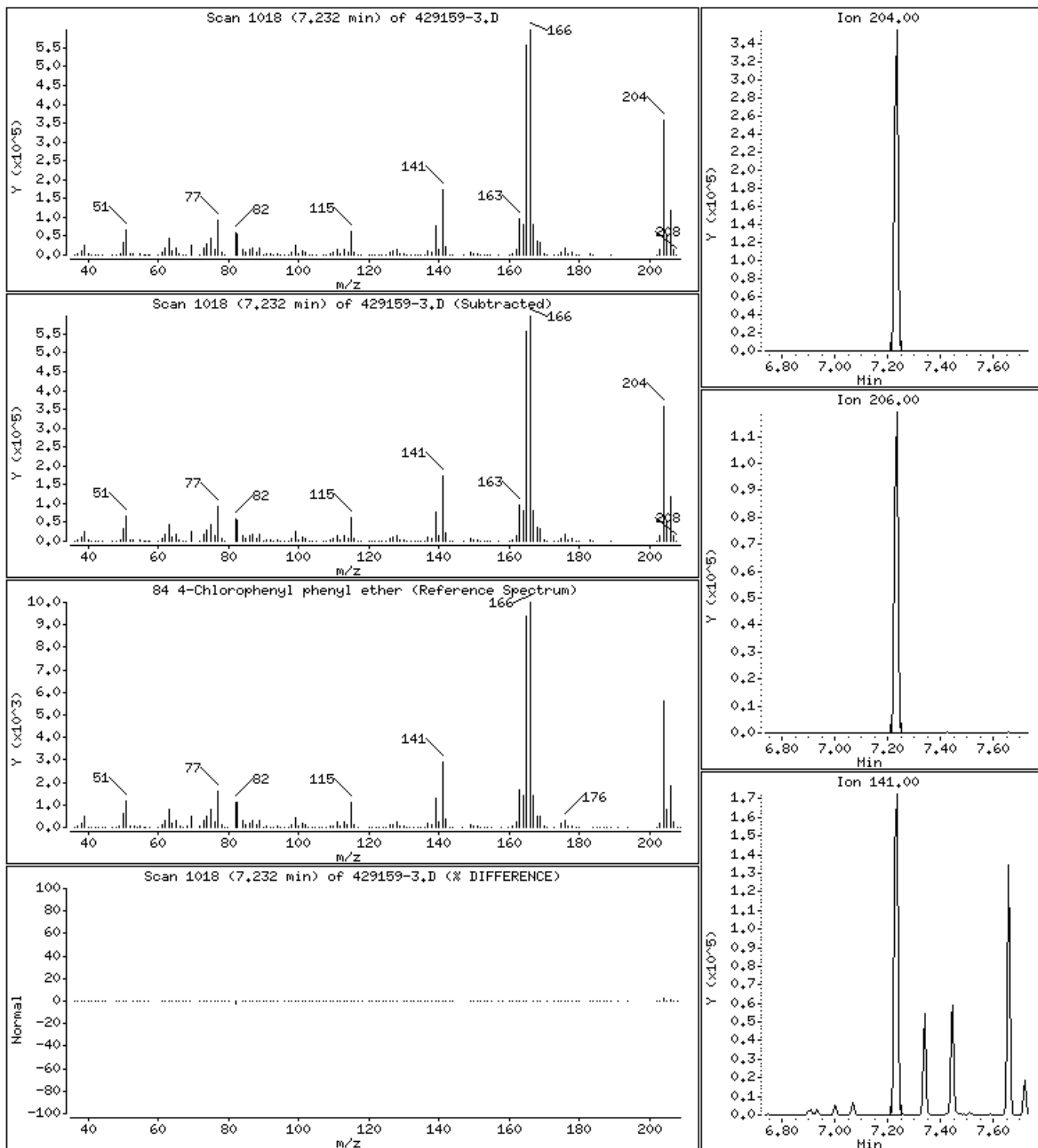
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

84 4-Chlorophenyl phenyl ether

Concentration: 30.1 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tcl,jb

Purge Volume: 1000.0

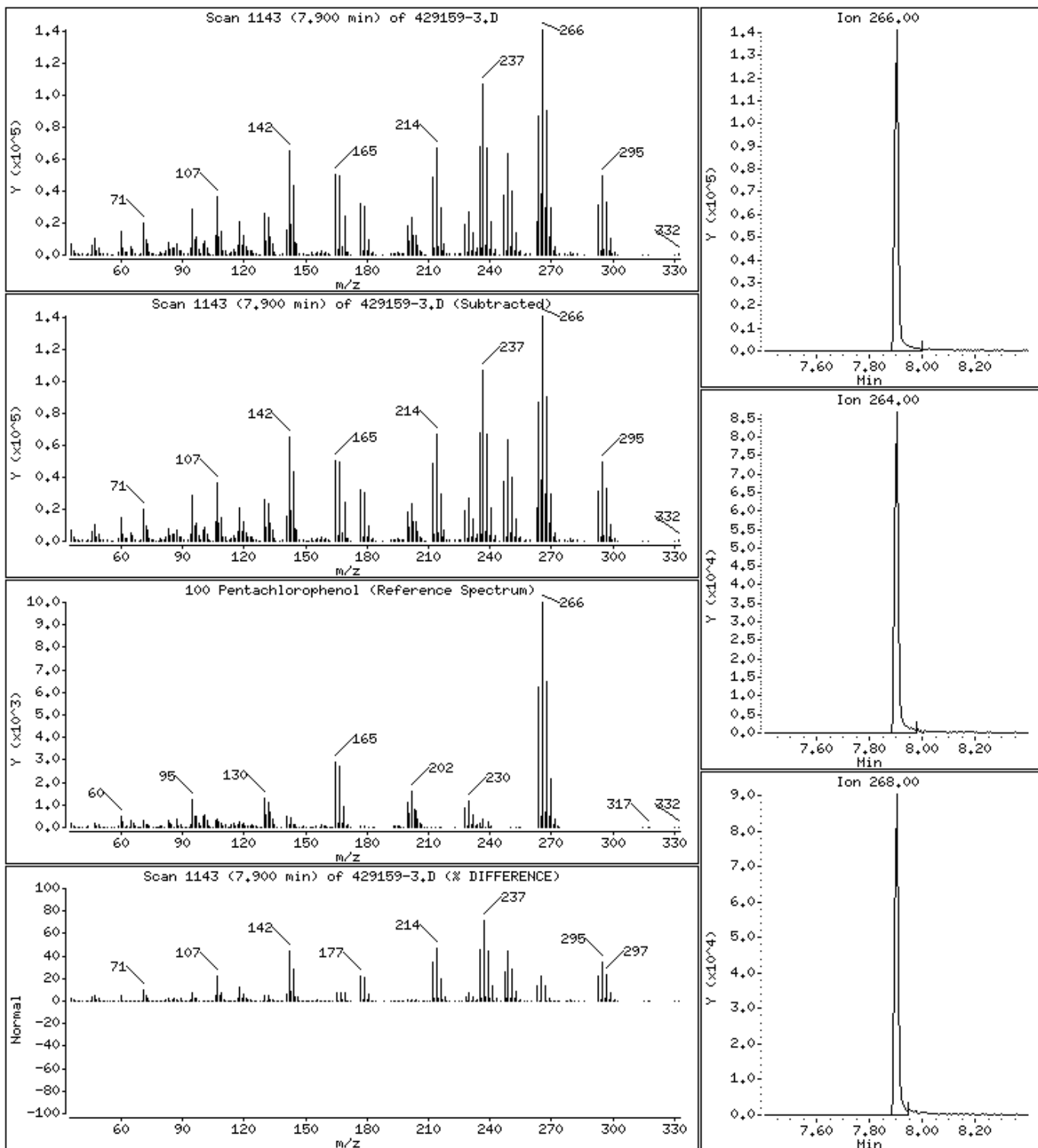
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

100 Pentachlorophenol

Concentration: 28.3 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tol,jb

Purge Volume: 1000.0

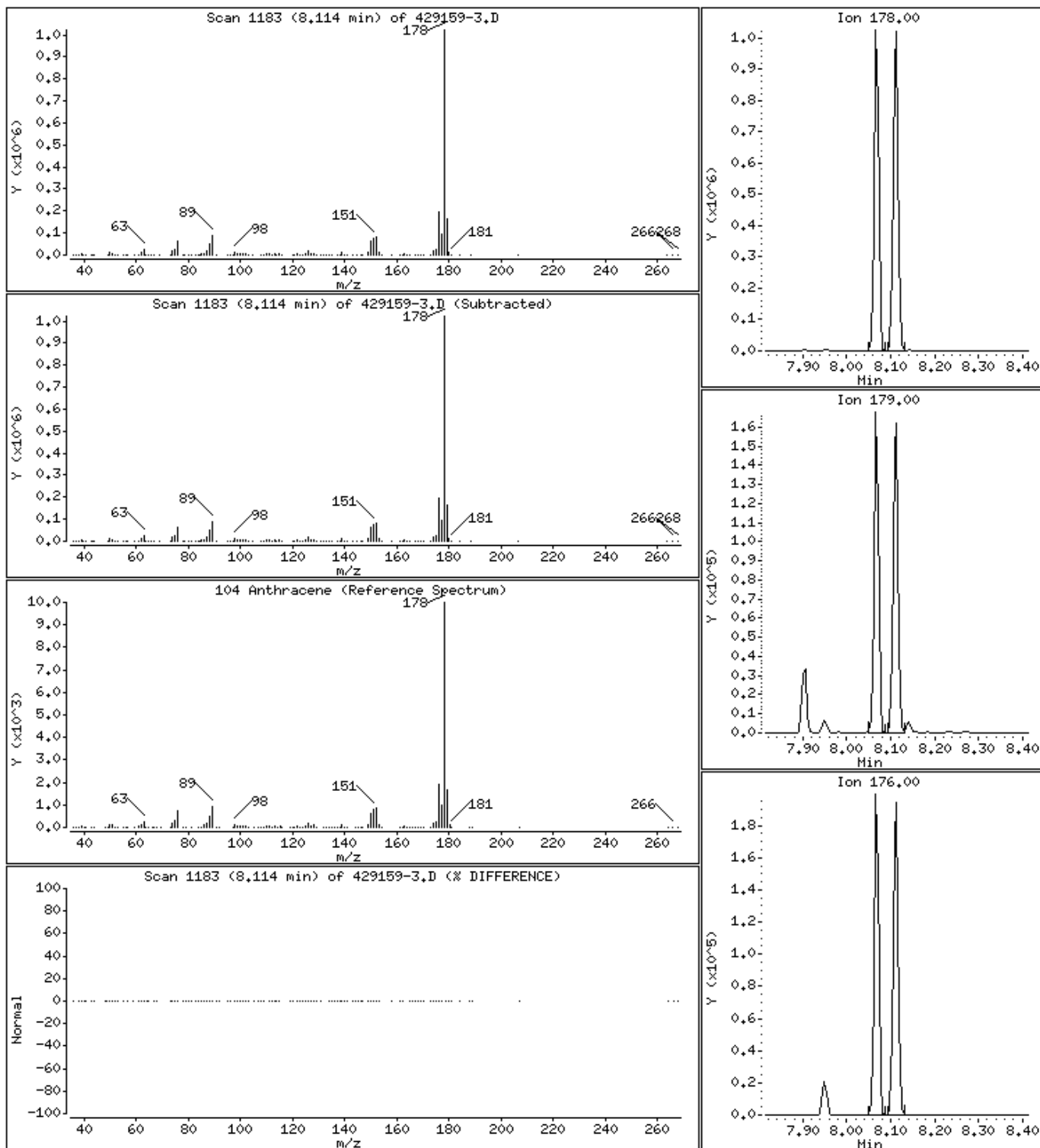
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

104 Anthracene

Concentration: 34.4 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tol,jb

Purge Volume: 1000.0

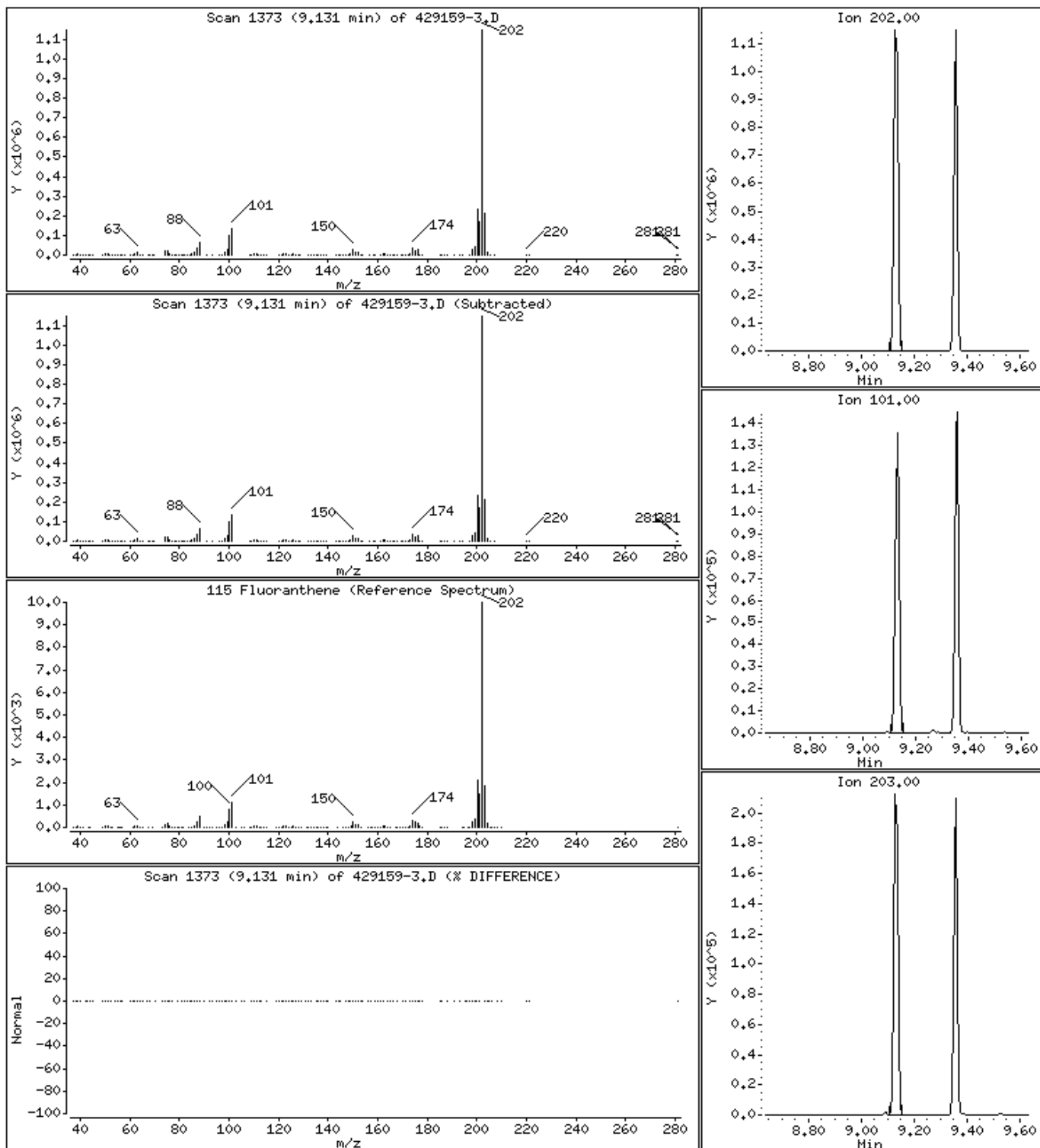
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

115 Fluoranthene

Concentration: 37.5 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tcl,jb

Purge Volume: 1000.0

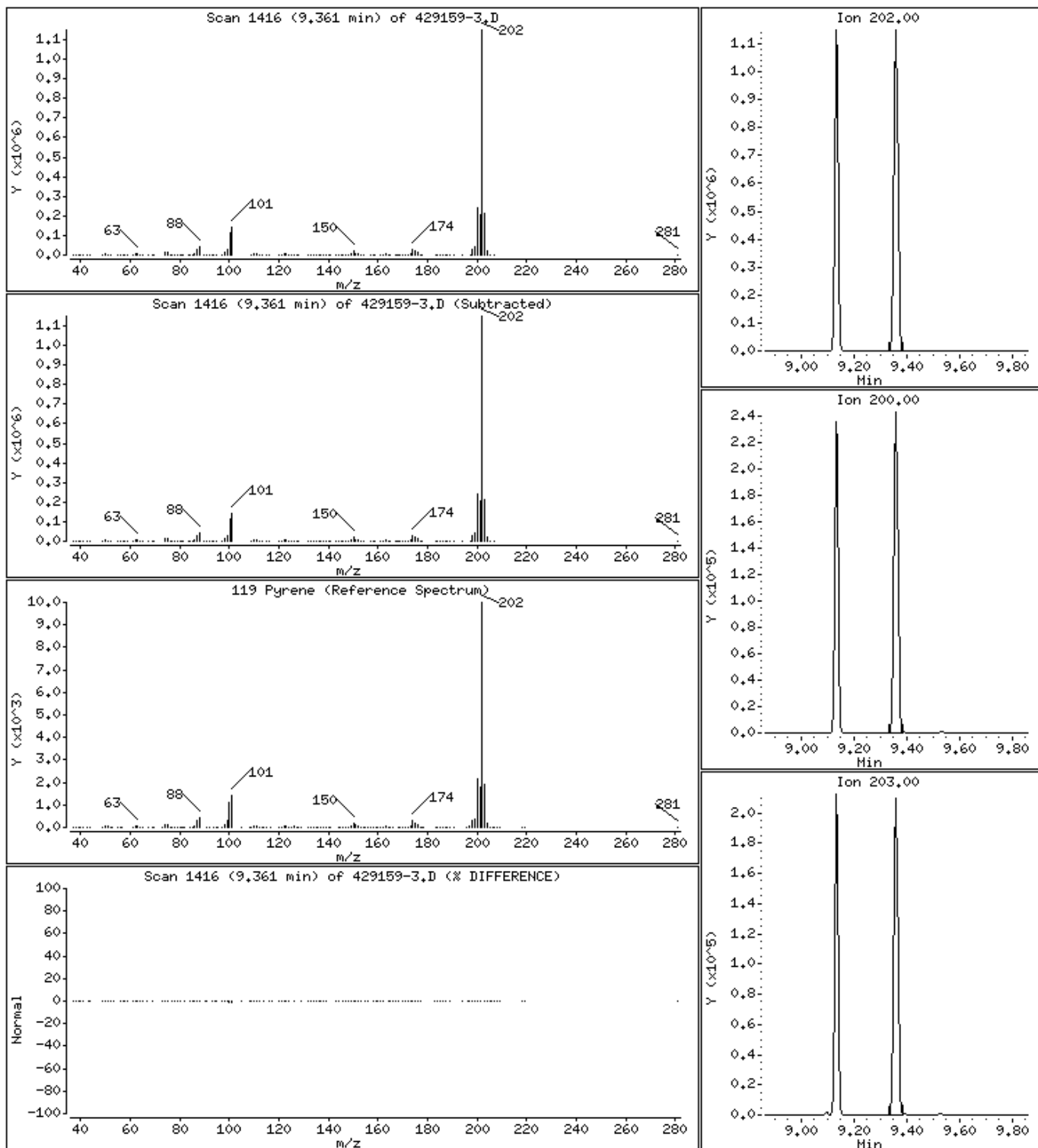
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

119 Pyrene

Concentration: 33.3 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3p,32,8270tol,jb

Purge Volume: 1000.0

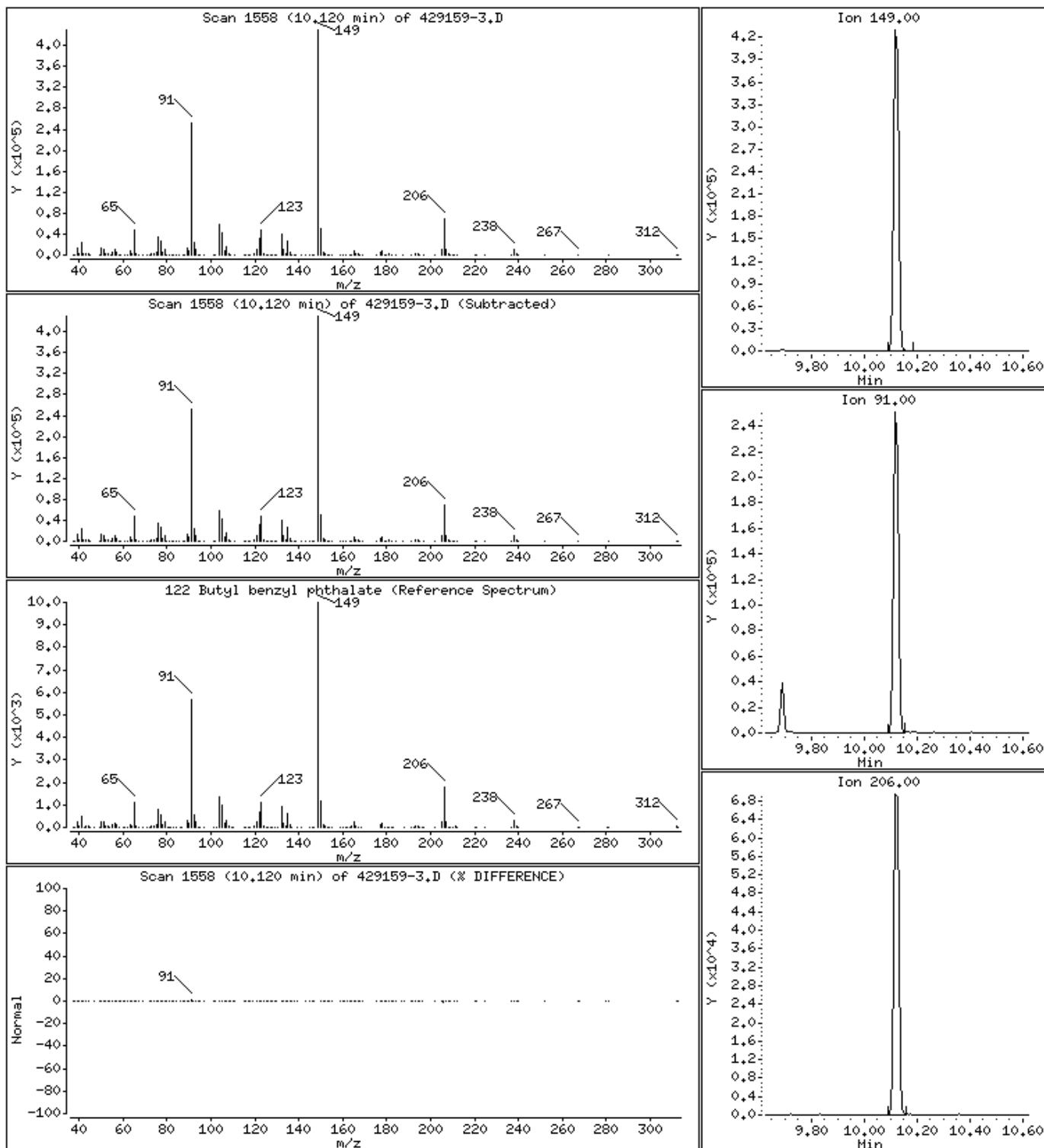
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

122 Butyl benzyl phthalate

Concentration: 34.6 ug/L



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825a.b\429159-3.D
Lab Smp Id:
Inj Date : 25-AUG-2010 07:50
Operator : jb Inst ID: Juliet.i
Smp Info : wg429159-3,32,8270tcl,jb
Misc Info : wg429508,wg429159,ICAL5274
Comment : Rev. 071219 (Megamix ICAL)
Method : \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825a.b\HP2ABNv2.m
Meth Date : 26-Aug-2010 06:22 jbenenson Quant Type: ISTD
Cal Date : 23-AUG-2010 18:39 Cal File: ap9l5.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270tclspk.sub
Target Version: 4.12
Processing Host: EXT-3

Concentration Formula: Amt * DF * 1000 * 1/Vo*vf * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	1000.000	Sample Volume Extracted (mL)
vf	1.000	Extract Final Volume (mL)
Cpnd Variable		Local Compound Variable

						CONCENTRATIONS		
QUANT SIG						ON-COLUMN	FINAL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ug/L)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 3 2-Fluorophenol	112	3.075	3.075	(0.744)	92921	15.9961	16.0	
\$ 7 Phenol-d6	99	3.862	3.862	(0.934)	73999	10.5111	10.5	
8 Phenol	94	3.872	3.872	(0.937)	63758	8.89625	8.90(M)	M2
12 2-Chlorophenol	128	3.969	3.969	(0.960)	154375	23.4559	23.4	
* 15 1,4-Dichlorobenzene-d4	152	4.134	4.134	(1.000)	195454	40.0000		
16 1,4-Dichlorobenzene	146	4.145	4.145	(1.003)	136602	18.2020	18.2	
18 1,2-Dichlorobenzene	146	4.279	4.279	(1.035)	138778	19.6783	19.7	
24 n-Nitrosodi-n-propylamine	70	4.477	4.482	(1.083)	101185	25.9365	25.9	
\$ 28 Nitrobenzene-d5	82	4.605	4.605	(1.114)	95658	15.6191	15.6	
32 2-Nitrophenol	139	4.899	4.899	(1.185)	98007	26.2665	26.3	
38 1,2,4-Trichlorobenzene	180	5.177	5.183	(0.991)	136919	18.1721	18.2	
* 39 Naphthalene-d8	136	5.226	5.225	(1.000)	745482	40.0000		
50 p-Chloro-m-cresol	107	5.739	5.744	(1.098)	164837	28.4090	28.4	
\$ 58 2-Fluorobiphenyl	172	6.167	6.167	(1.180)	263243	15.4563	15.4	
60 2-Chloronaphthalene	162	6.269	6.269	(1.200)	413387	29.3634	29.4	
69 2,6-Dinitrotoluene	165	6.568	6.573	(1.257)	115541	29.7869	29.8	
* 74 Acenaphthene-d10	164	6.750	6.750	(1.000)	478593	40.0000		
75 Acenaphthene	154	6.777	6.782	(1.004)	334654	27.0843	27.1	
76 2,4-Dinitrophenol	184	6.814	6.814	(1.010)	46378	23.2077	23.2	
77 4-Nitrophenol	65	6.910	6.910	(1.024)	31323	12.8652	12.9(M)	M2
80 2,4-Dinitrotoluene	165	6.926	6.926	(1.026)	153534	33.2759	33.3	
84 4-Chlorophenyl phenyl ether	204	7.231	7.231	(1.071)	250559	30.0843	30.1	

Compounds	QUANT SIG	CONCENTRATIONS						REVIEW CODE
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ug/L)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 91 2,4,6-Tribromophenol	330	7.445	7.445	(0.926)	227976	44.5479	44.5(M)	M2
100 Pentachlorophenol	266	7.900	7.900	(0.982)	109076	28.3175	28.3	
* 102 Phenanthrene-d10	188	8.044	8.050	(1.000)	856334	40.0000		
104 Anthracene	178	8.114	8.114	(1.009)	811603	34.4572	34.4	
115 Fluoranthene	202	9.130	9.135	(1.135)	1011046	37.5281	37.5	
119 Pyrene	202	9.360	9.360	(1.164)	1022225	33.2649	33.3	
\$ 120 4-Terphenyl-d14	244	9.531	9.531	(1.185)	497501	21.7119	21.7	
122 Butyl benzyl phthalate	149	10.120	10.125	(1.258)	456495	34.5928	34.6	
* 129 Chrysene-d12	240	10.868	10.863	(1.000)	1280214	40.0000		
* 143 Perylene-d12	264	13.195	13.195	(1.000)	1570997	40.0000		

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Juliet.i
Lab File ID: 429159-3.D

Calibration Date: 25-AUG-2010
Calibration Time: 06:36

Lab Smp Id:
Analysis Type: SV

Level: LOW
Sample Type: WATER

Quant Type: ISTD

Operator: jb

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825a.b\HP2ABNv2.m

Misc Info: wg429508,wg429159,ICAL5274

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	189291	94646	378582	195454	3.26
39 Naphthalene-d8	726069	363035	1452138	745482	2.67
74 Acenaphthene-d10	475154	237577	950308	478593	0.72
102 Phenanthrene-d10	904238	452119	1808476	856334	-5.30
129 Chrysene-d12	1362412	681206	2724824	1280214	-6.03
143 Perylene-d12	1661748	830874	3323496	1570997	-5.46

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
15 1,4-Dichlorobenze	4.13	3.63	4.63	4.13	0.00
39 Naphthalene-d8	5.23	4.73	5.73	5.23	0.00
74 Acenaphthene-d10	6.75	6.25	7.25	6.75	0.00
102 Phenanthrene-d10	8.05	7.55	8.55	8.04	-0.07
129 Chrysene-d12	10.86	10.36	11.36	10.87	0.05
143 Perylene-d12	13.20	12.70	13.70	13.20	0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: 100825.b
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id:
Level: LOW Operator: jb
Data Type: MS DATA SampleType: LCS
SpikeList File: 8270tclspkag40.spk Quant Type: ISTD
Sublist File: 8270tclspk.sub
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Juliet.i\100825a.b\HP2ABNv2.m
Misc Info: wg429508,wg429159,ICAL5274

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
8 Phenol	40.0	8.90	22.24	12-110
12 2-Chlorophenol	40.0	23.4	58.64	27-123
16 1,4-Dichlorobenzen	40.0	18.2	45.50	36-97
18 1,2-Dichlorobenzen	40.0	19.7	49.20	40-140
24 n-Nitrosodi-n-prop	40.0	25.9	64.84	41-116
32 2-Nitrophenol	40.0	26.3	65.67	40-140
38 1,2,4-Trichloroben	40.0	18.2	45.43	39-98
50 p-Chloro-m-cresol	40.0	28.4	71.02	23-97
60 2-Chloronaphthalen	40.0	29.4	73.41	40-140
69 2,6-Dinitrotoluene	40.0	29.8	74.47	40-140
75 Acenaphthene	40.0	27.1	67.71	46-118
76 2,4-Dinitrophenol	40.0	23.2	58.02	20-130
77 4-Nitrophenol	40.0	12.9	32.16	10-80
80 2,4-Dinitrotoluene	40.0	33.3	83.19	30-130
84 4-Chlorophenyl phe	40.0	30.1	75.21	40-140
100 Pentachlorophenol	40.0	28.3	70.79	9-103
104 Anthracene	40.0	34.4	86.14	40-140
115 Fluoranthene	40.0	37.5	93.82	40-140
119 Pyrene	40.0	33.3	83.16	26-127
122 Butyl benzyl phtha	40.0	34.6	86.48	40-140

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 3 2-Fluorophenol	50.0	16.0	31.99	21-120
\$ 7 Phenol-d6	50.0	10.5	21.02	10-120
\$ 28 Nitrobenzene-d5	25.0	15.6	62.48	23-120
\$ 58 2-Fluorobiphenyl	25.0	15.4	61.83	15-120
\$ 91 2,4,6-Tribromophen	50.0	44.5	89.10	10-120
\$ 120 4-Terphenyl-d14	25.0	21.7	86.85	33-120

Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

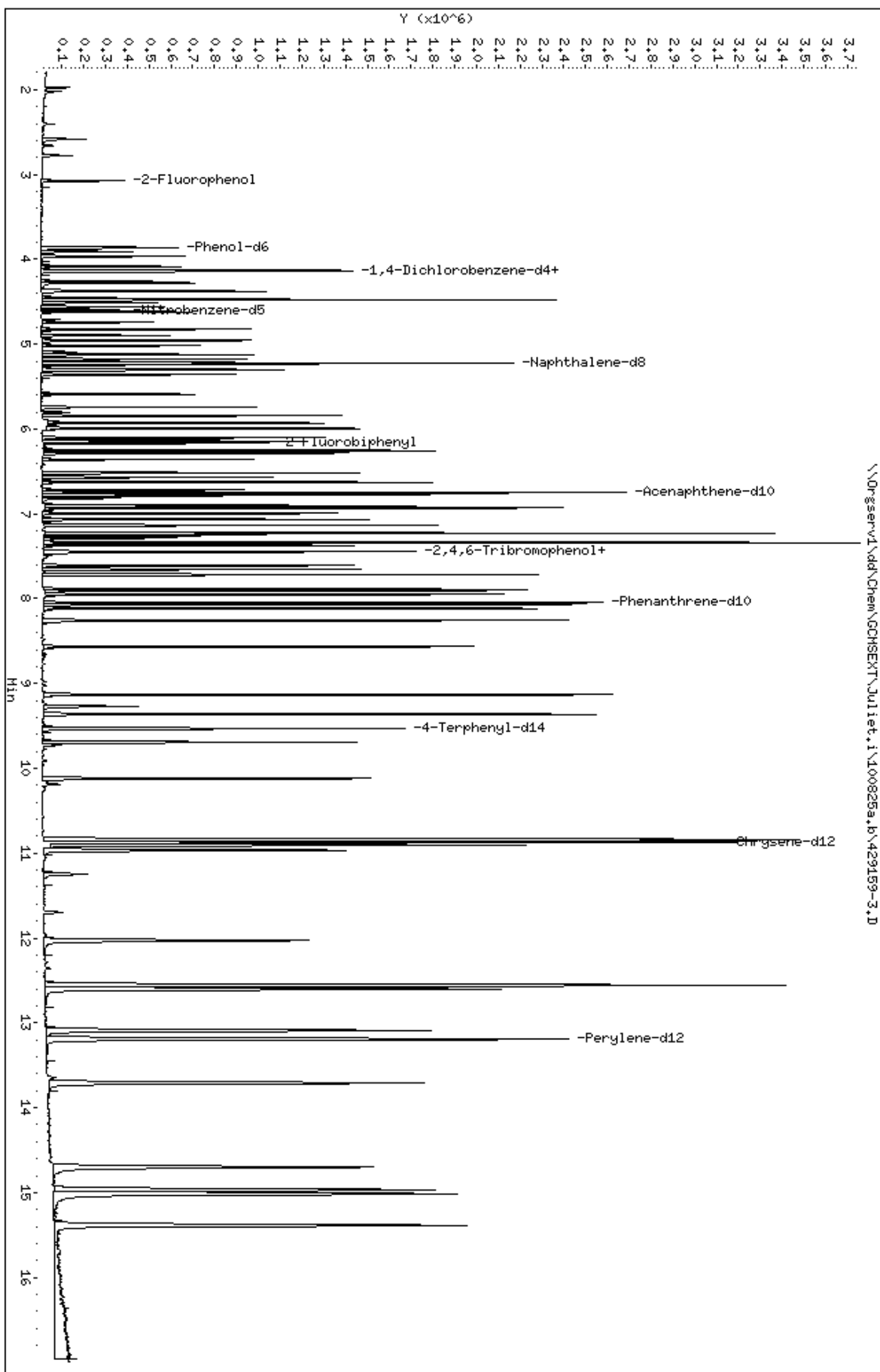
Sample Info: wg429159-3,32,8270bcl,jb

Purge Volume: 1000.0

Operator: jlb

Column phase: RTX-5

Column diameter: 0.32



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

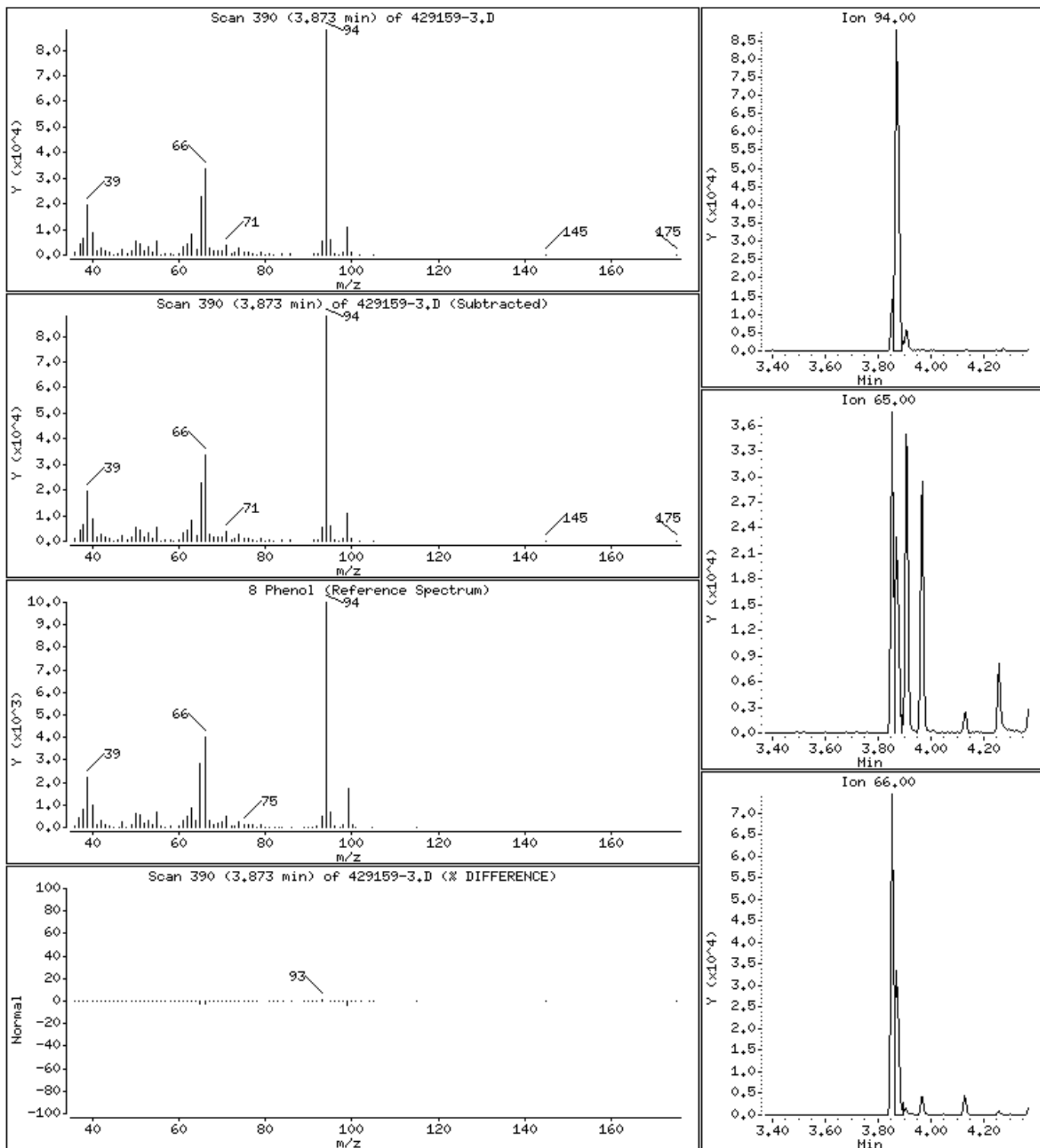
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

8 Phenol

Concentration: 8.90 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

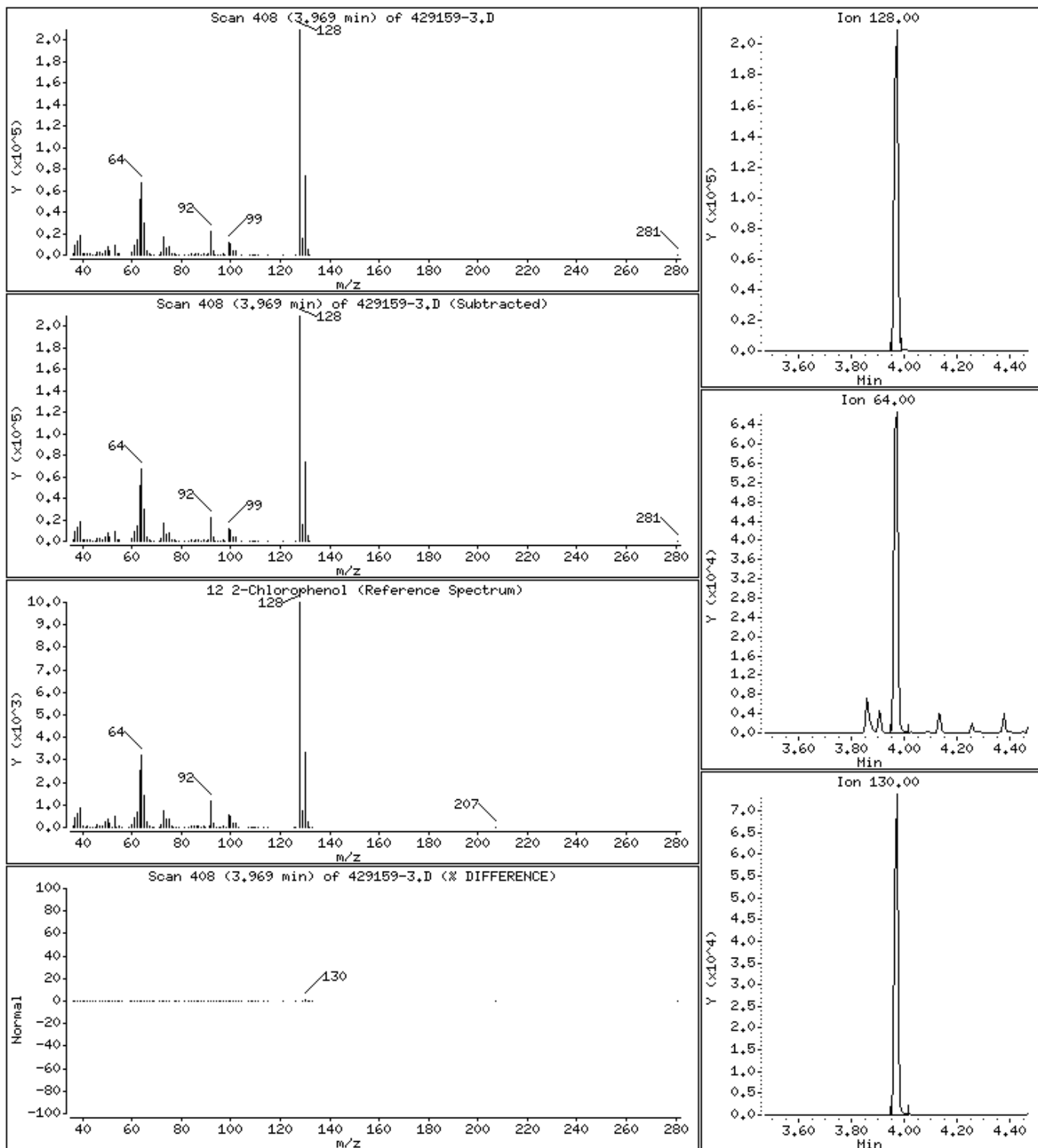
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

12 2-Chlorophenol

Concentration: 23.4 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

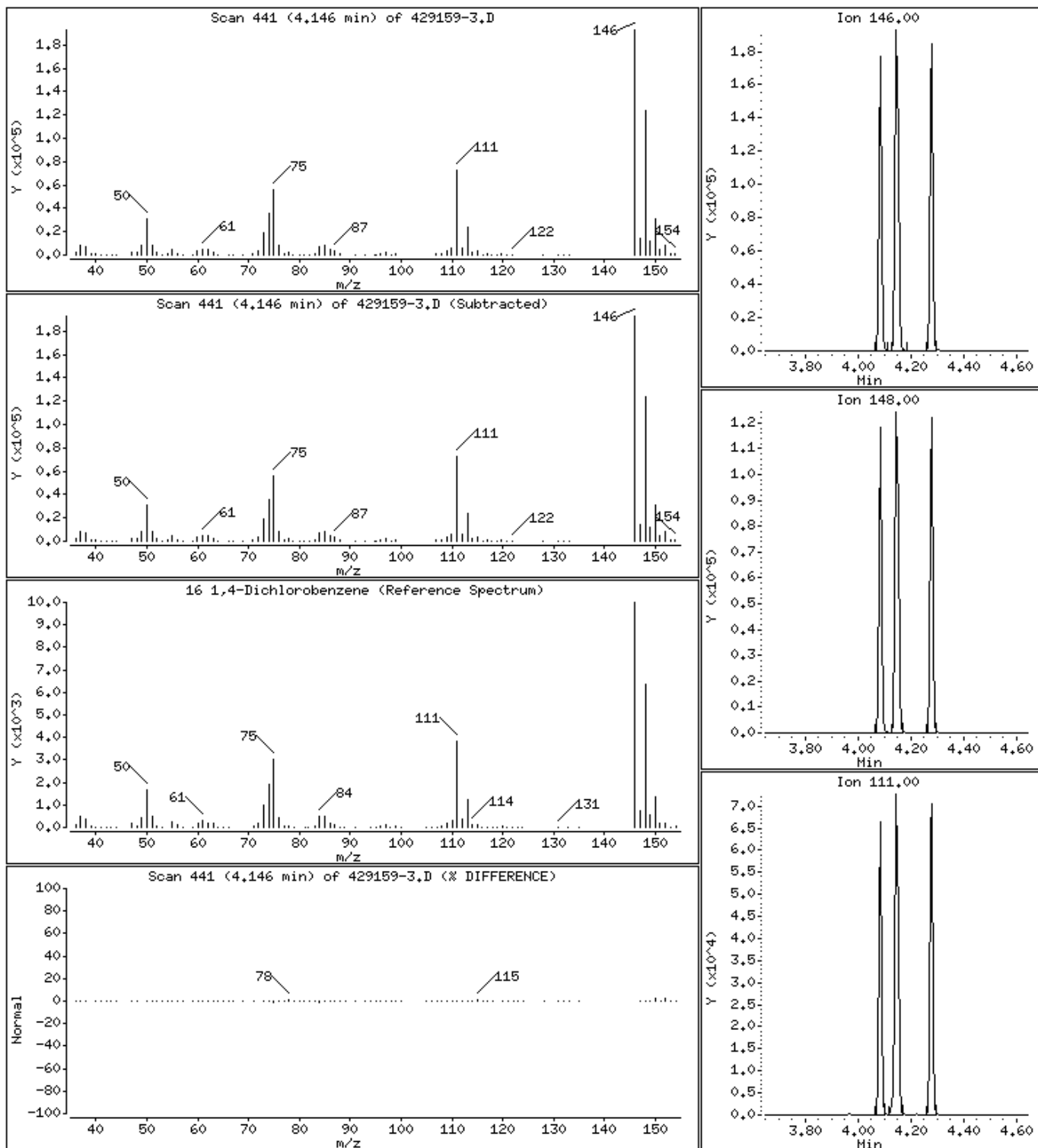
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

16 1,4-Dichlorobenzene

Concentration: 18.2 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

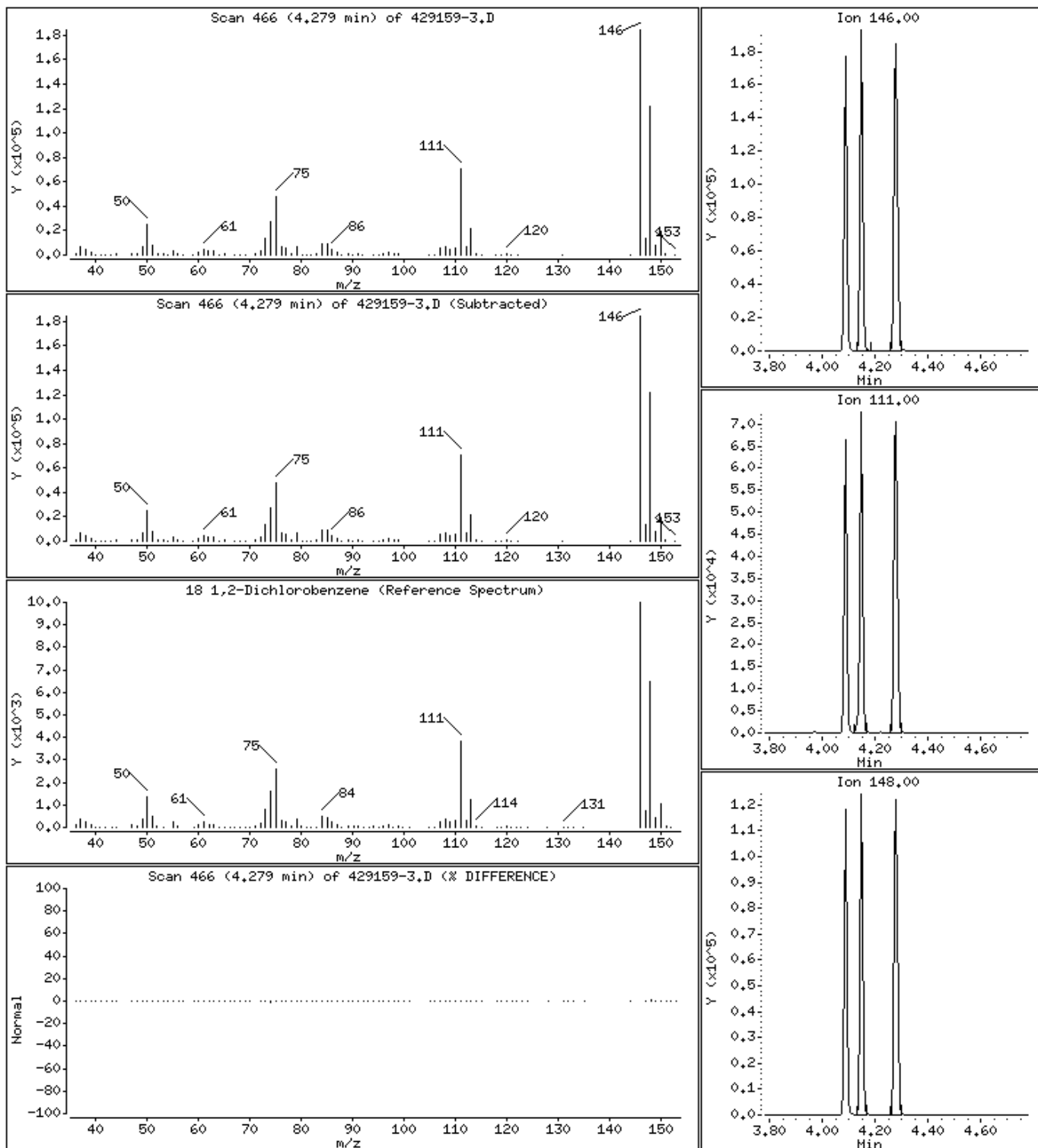
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

18 1,2-Dichlorobenzene

Concentration: 19.7 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

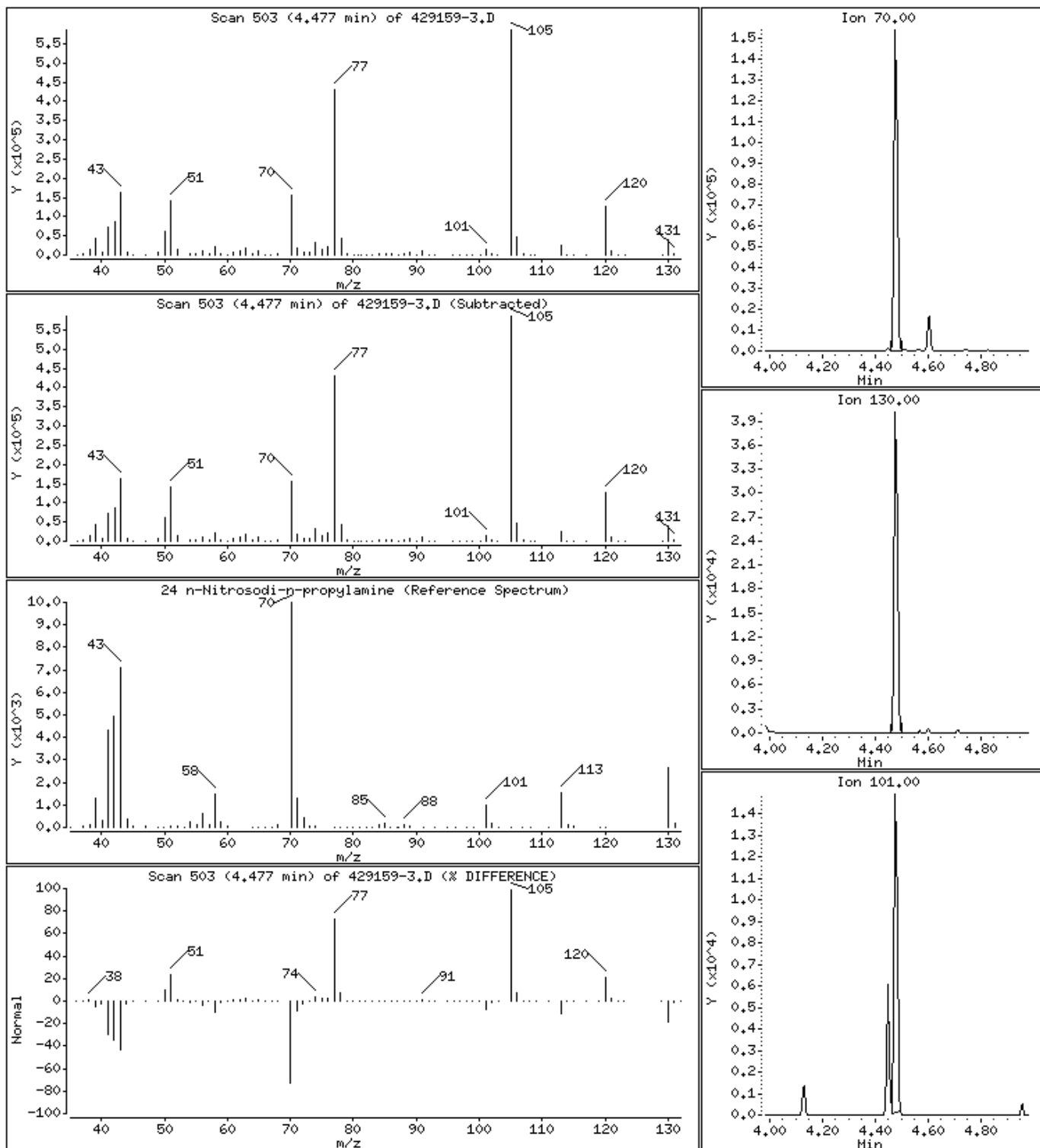
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

24 n-Nitrosodi-n-propylamine

Concentration: 25.9 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

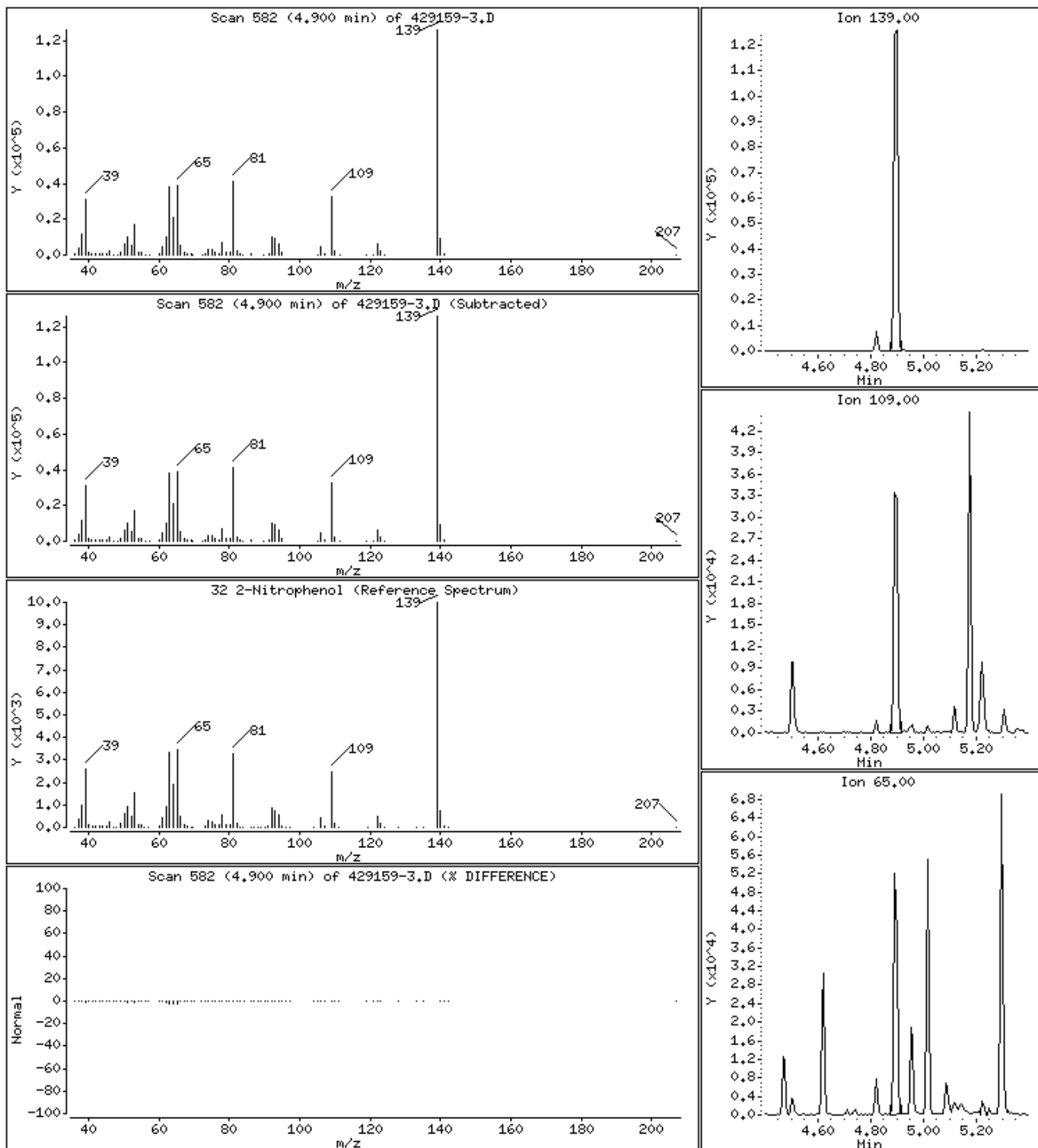
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

32 2-Nitrophenol

Concentration: 26.3 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

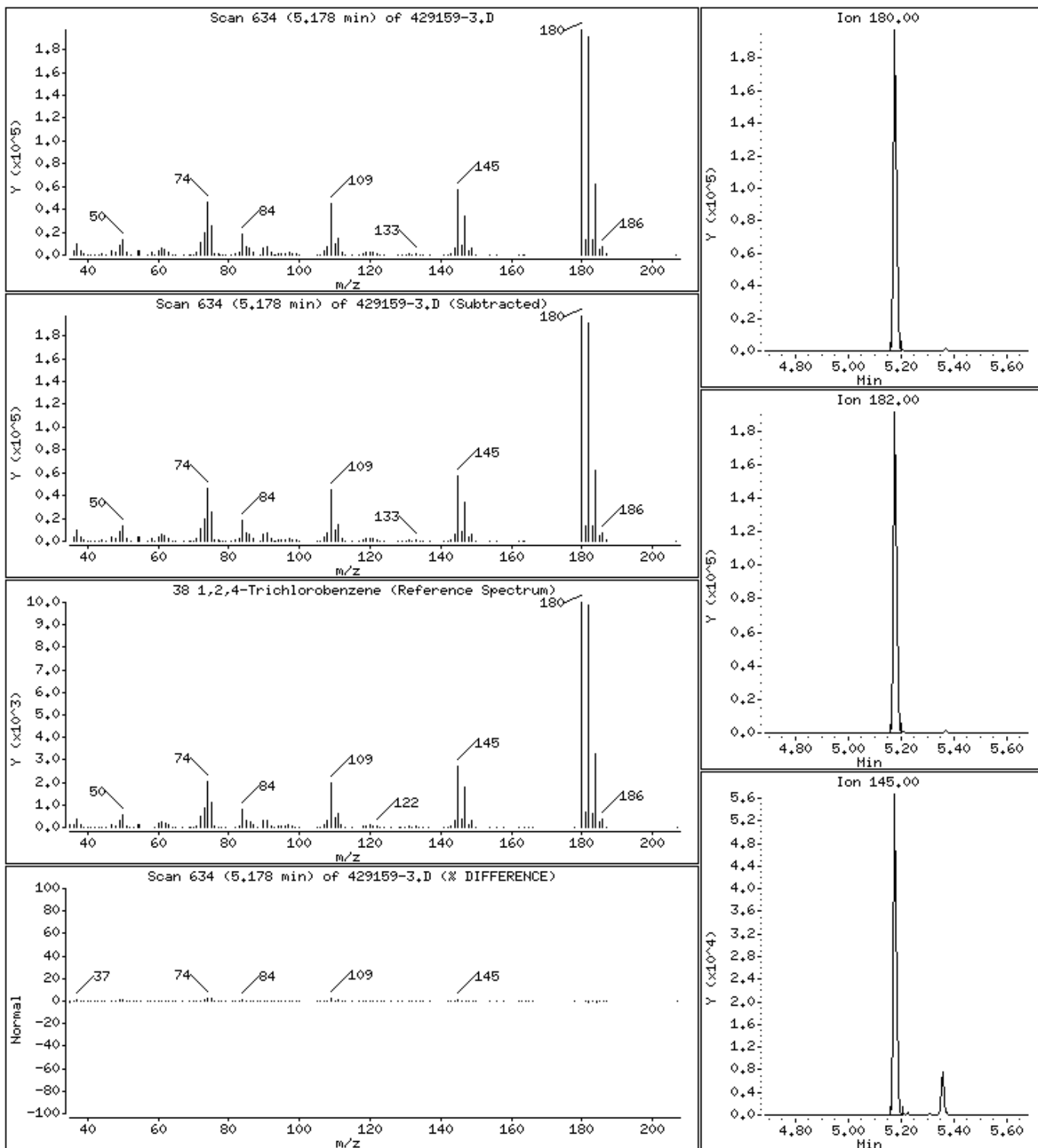
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

38 1,2,4-Trichlorobenzene

Concentration: 18.2 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

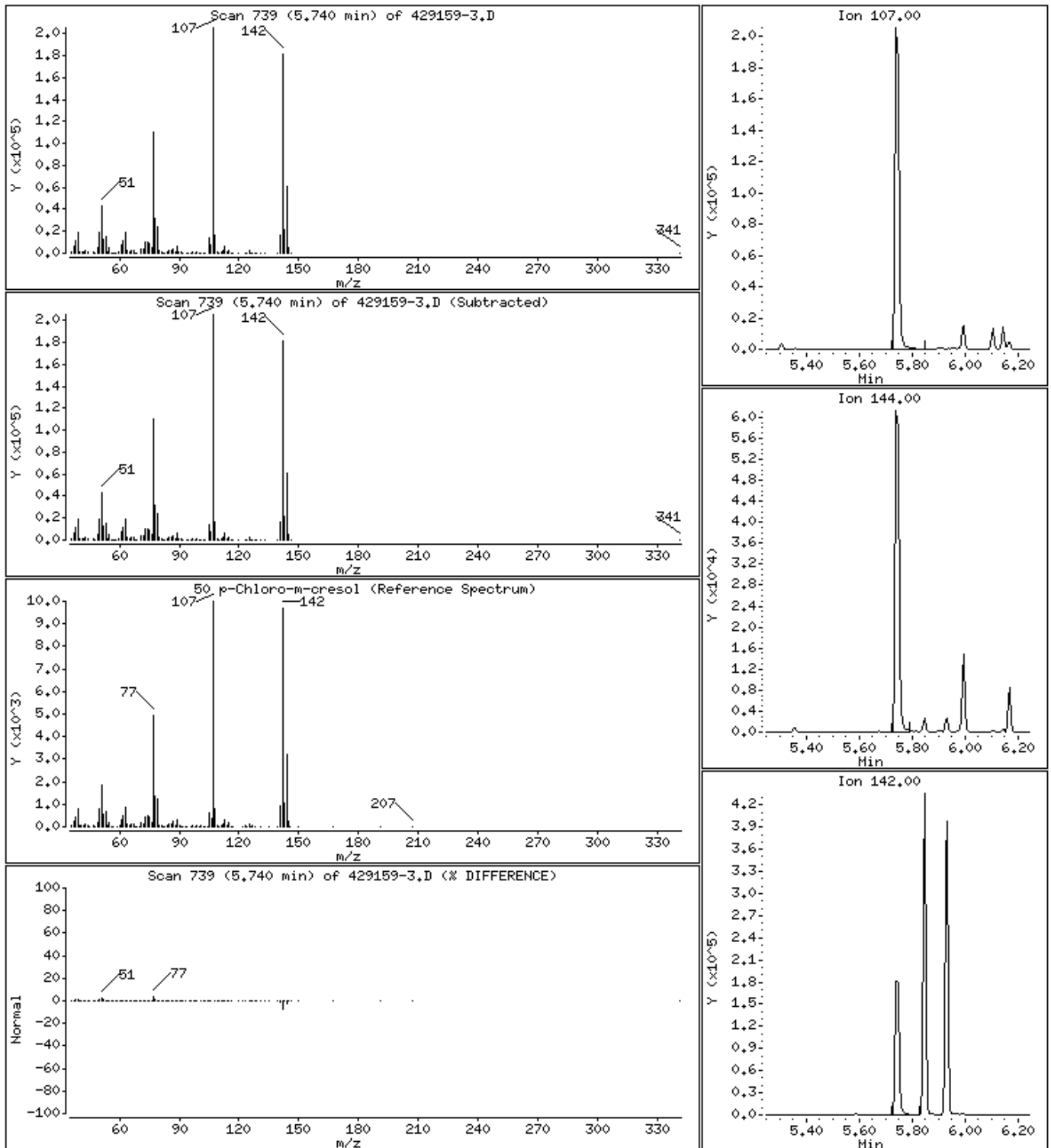
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

50 p-Chloro-m-cresol

Concentration: 28.4 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

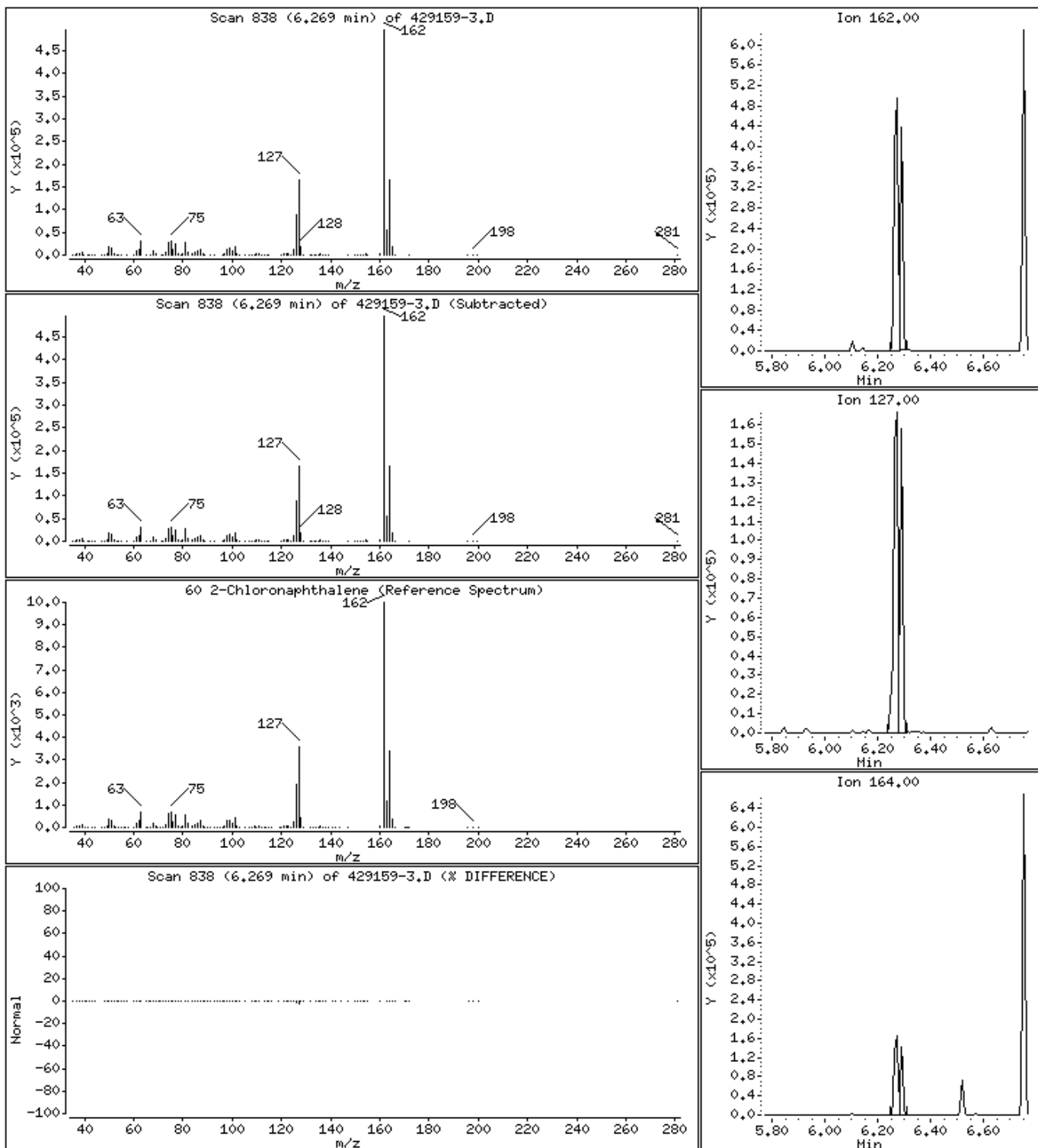
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

60 2-Chloronaphthalene

Concentration: 29.4 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

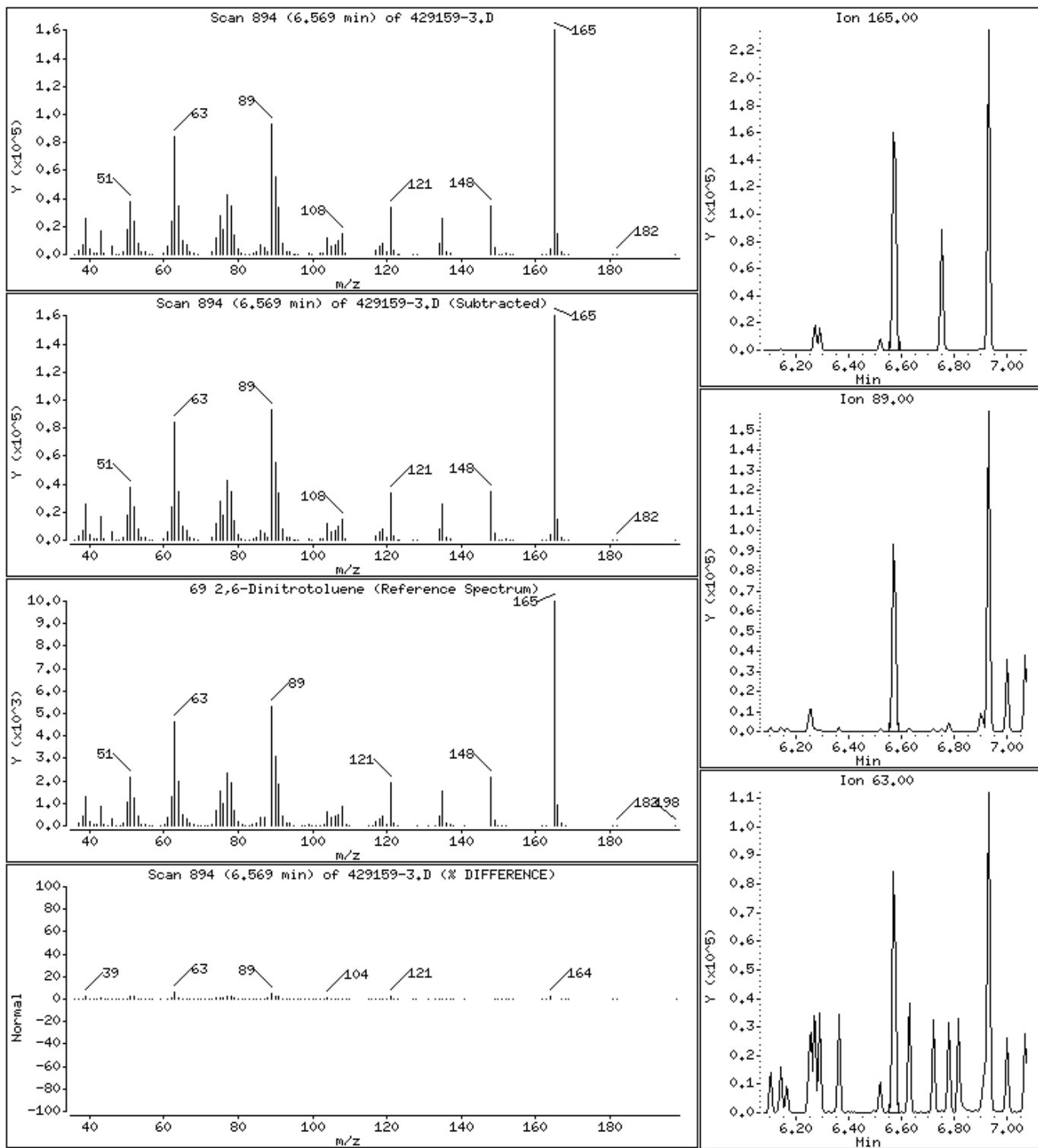
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

69 2,6-Dinitrotoluene

Concentration: 29.8 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

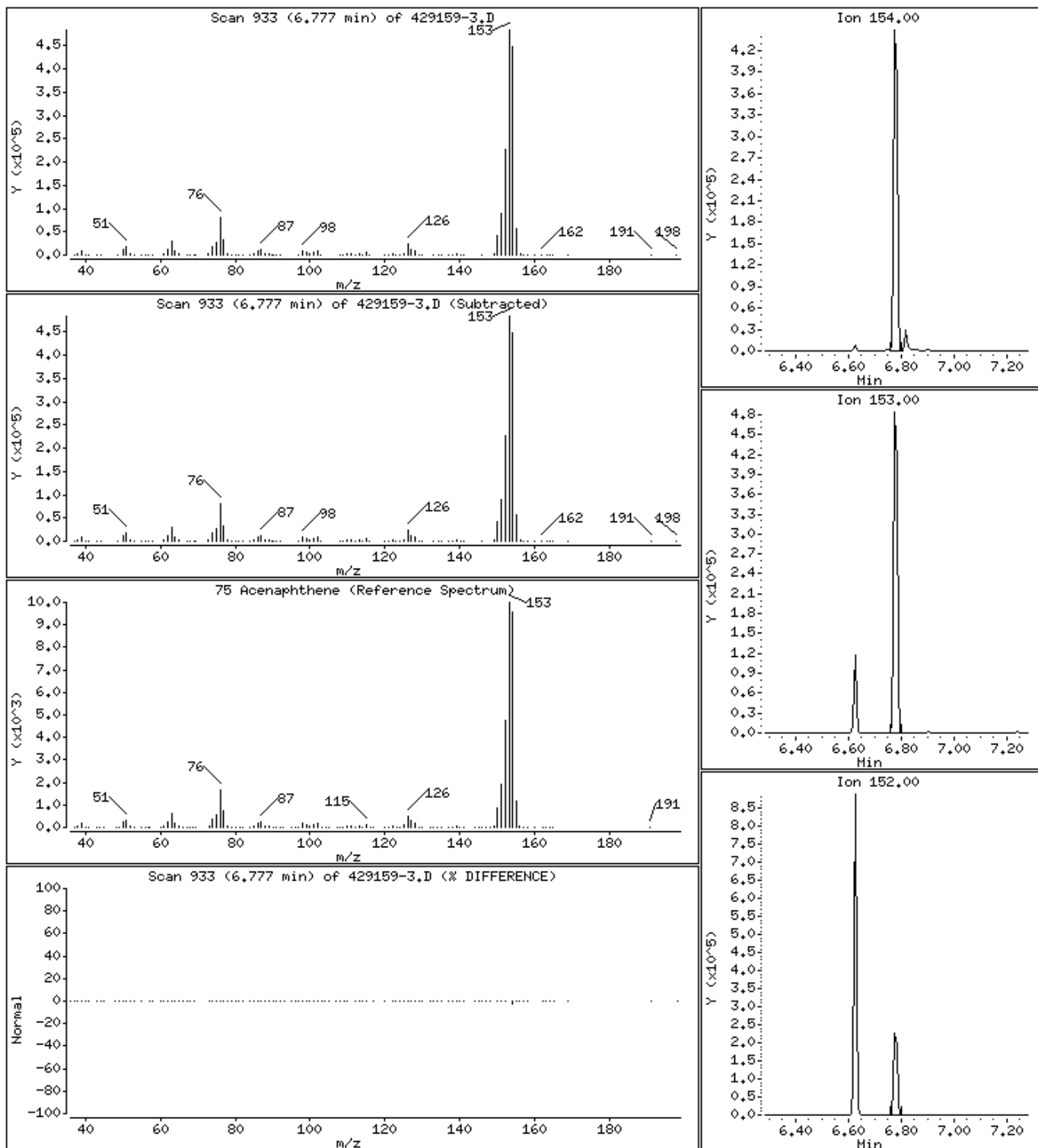
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

75 Acenaphthene

Concentration: 27.1 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

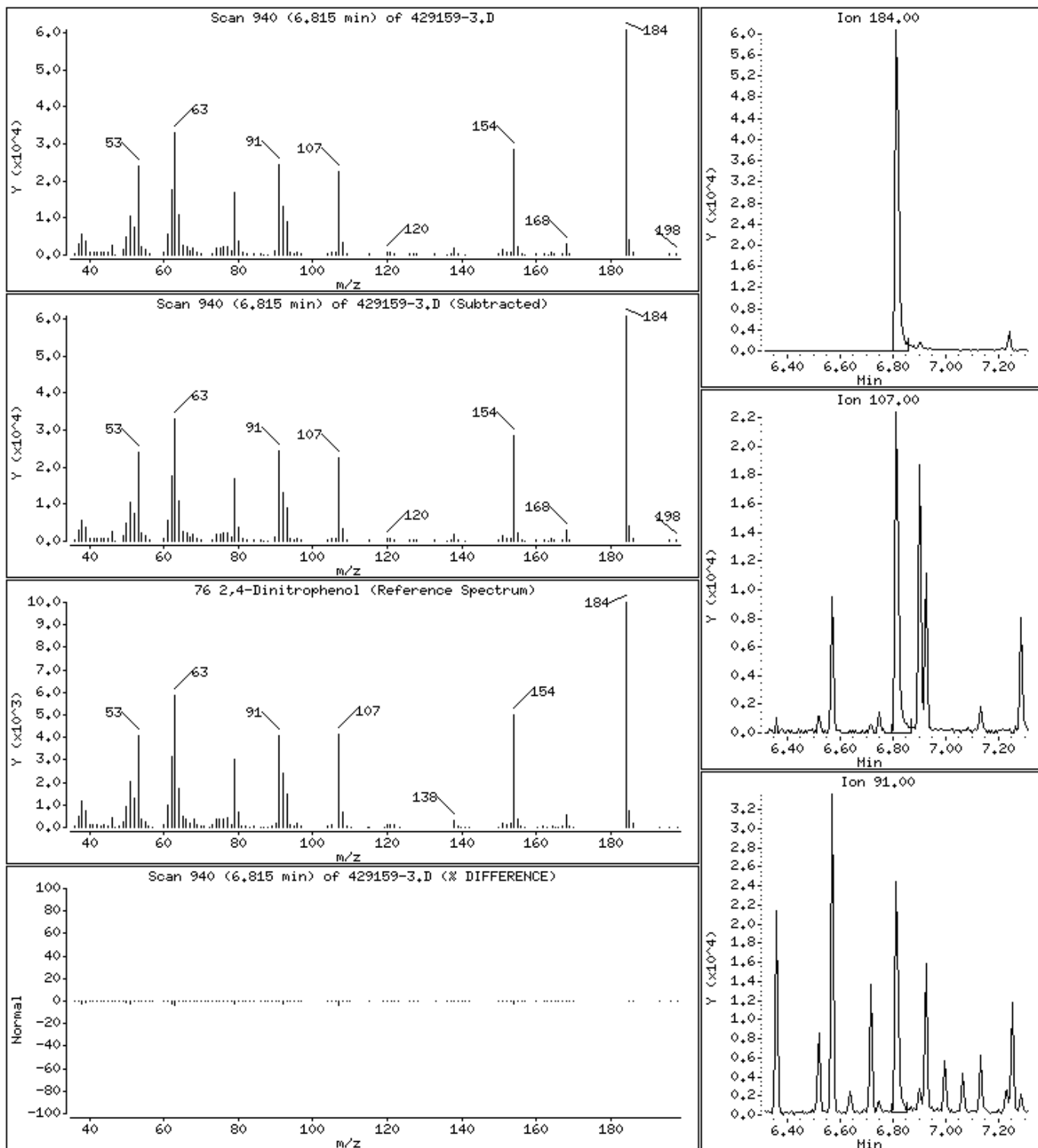
Operator: jb

Column phase: RTx-5

Column diameter: 0.32

76 2,4-Dinitrophenol

Concentration: 23.2 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

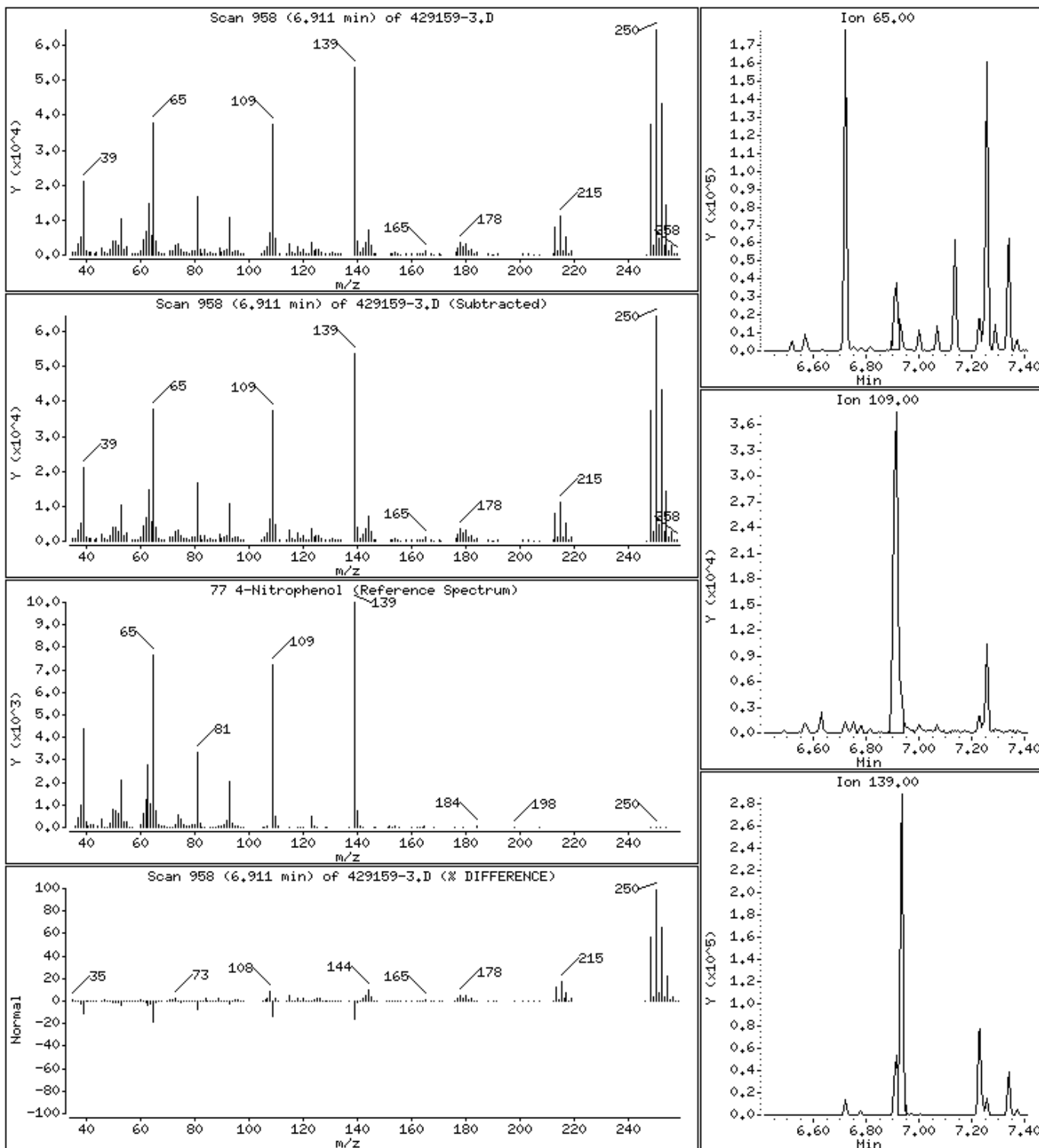
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

77 4-Nitrophenol

Concentration: 12.9 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

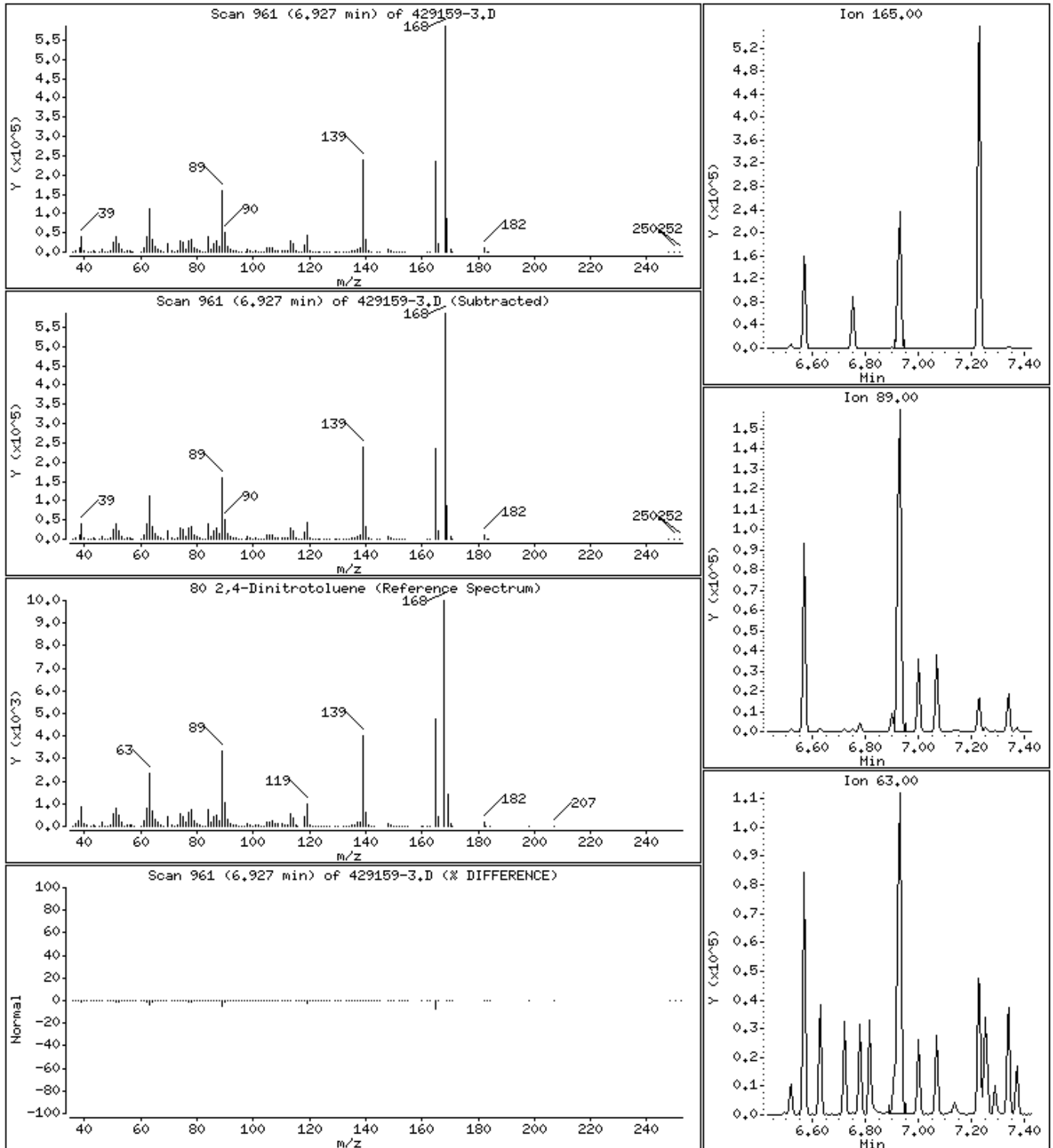
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

80 2,4-Dinitrotoluene

Concentration: 33.3 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

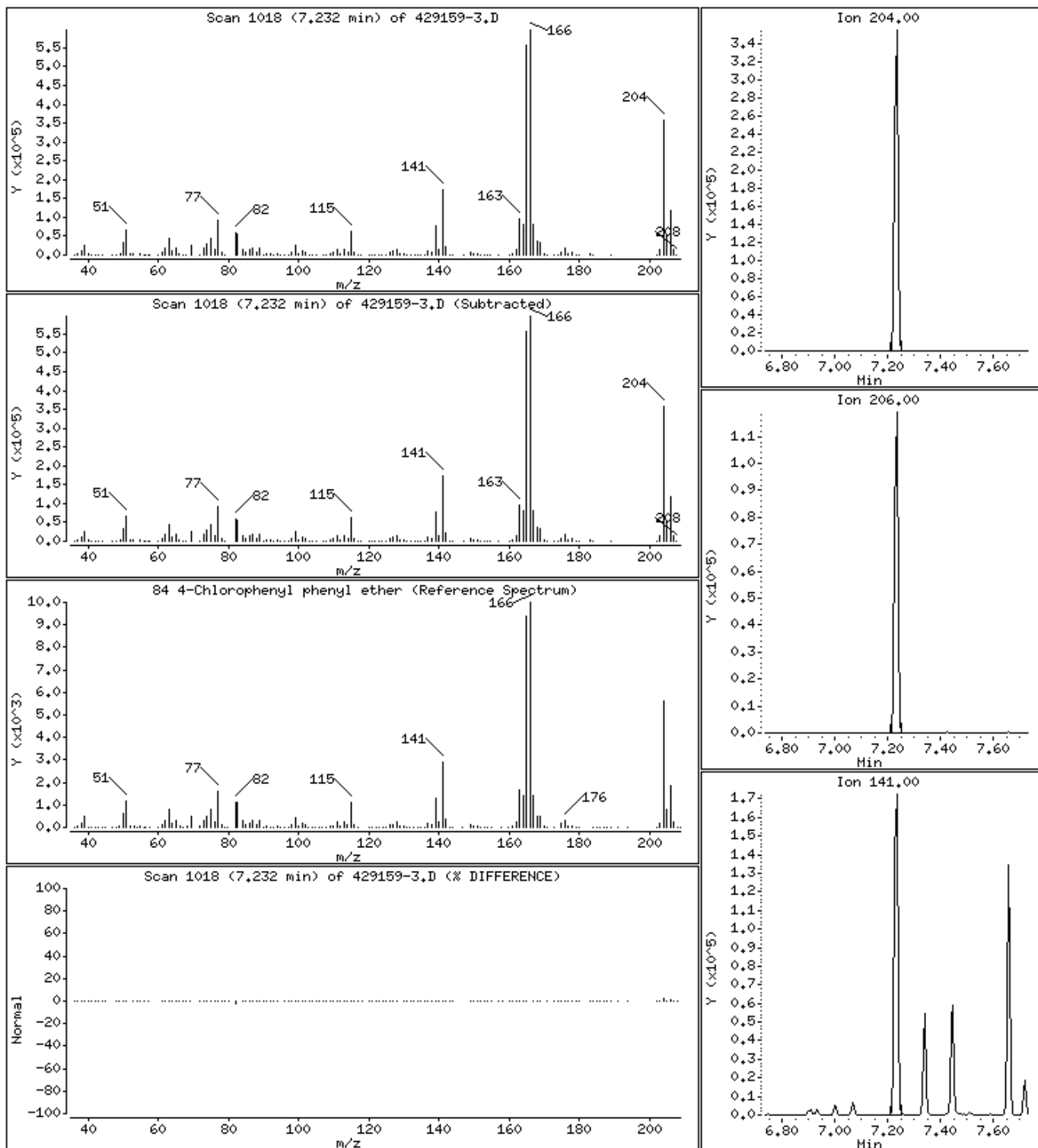
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

84 4-Chlorophenyl phenyl ether

Concentration: 30.1 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

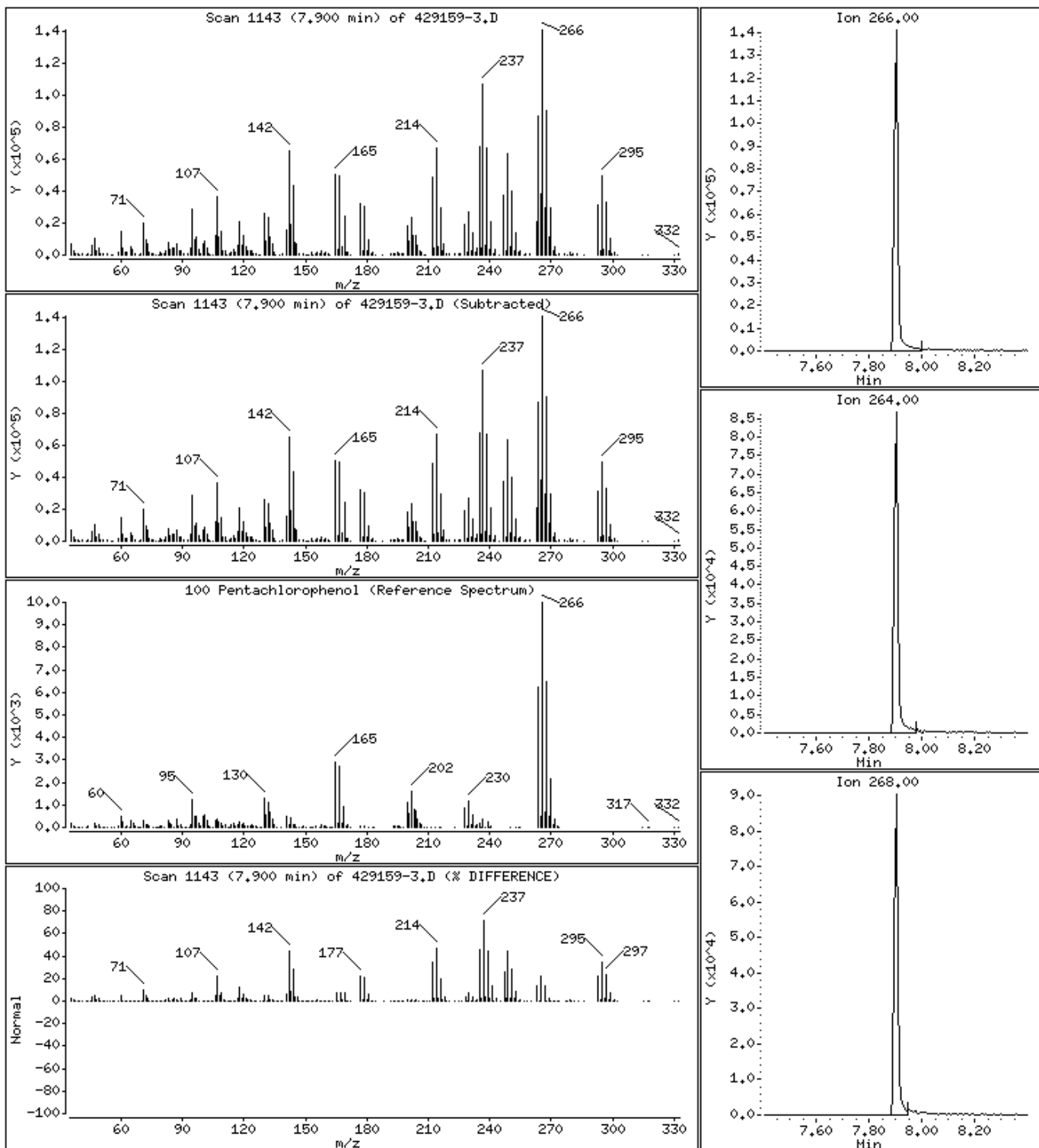
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

100 Pentachlorophenol

Concentration: 28.3 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

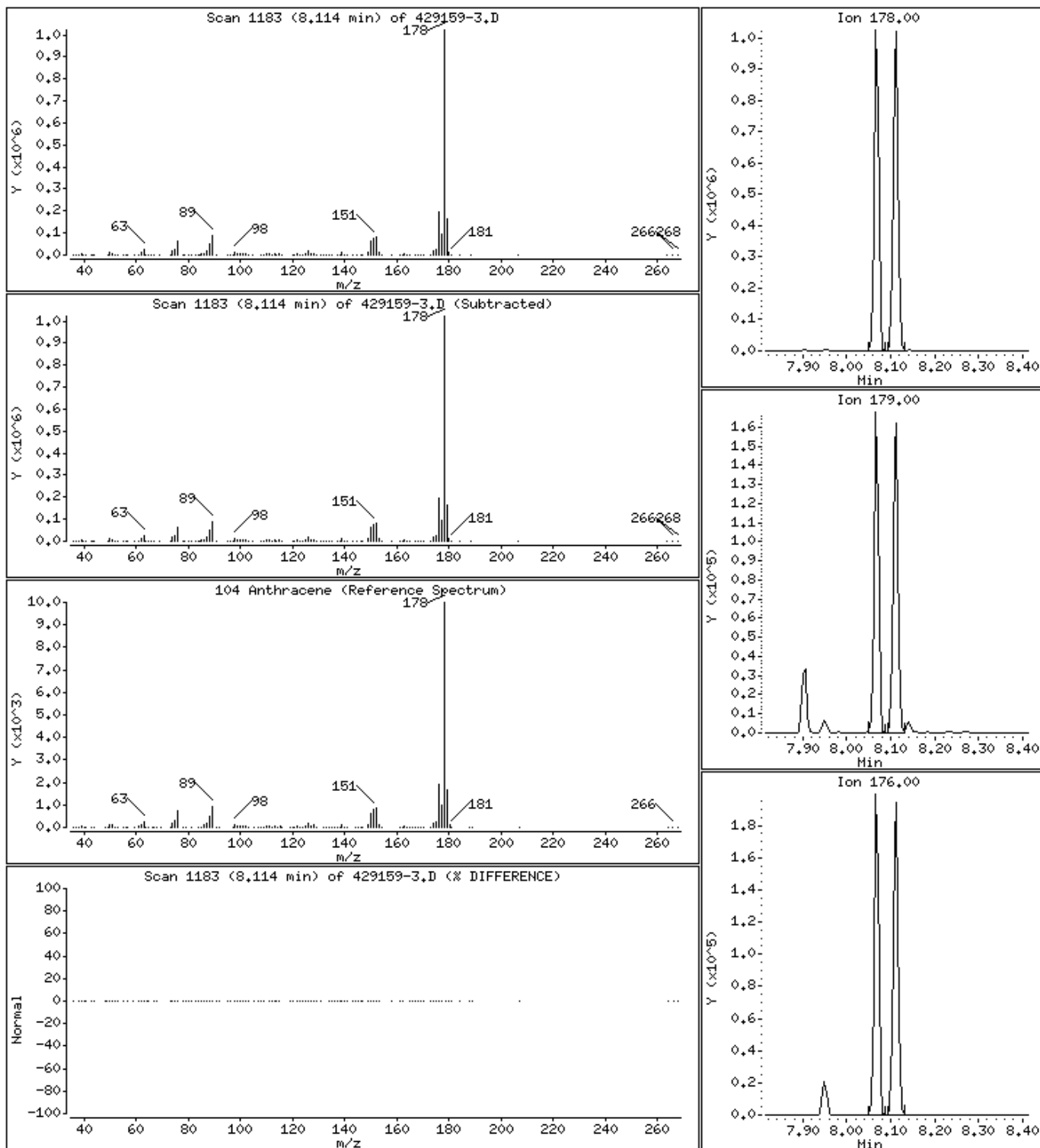
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

104 Anthracene

Concentration: 34.4 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

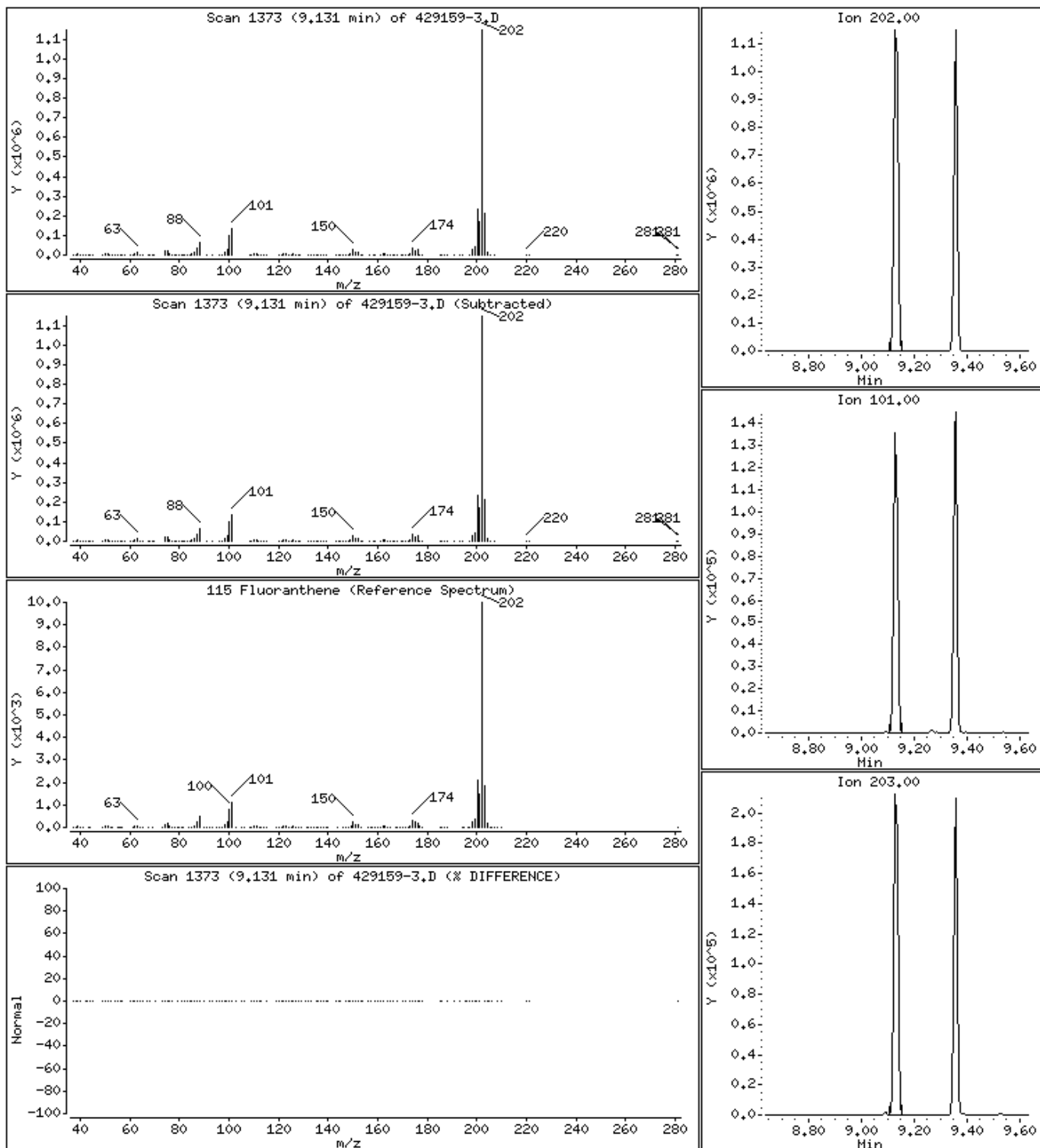
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

115 Fluoranthene

Concentration: 37.5 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

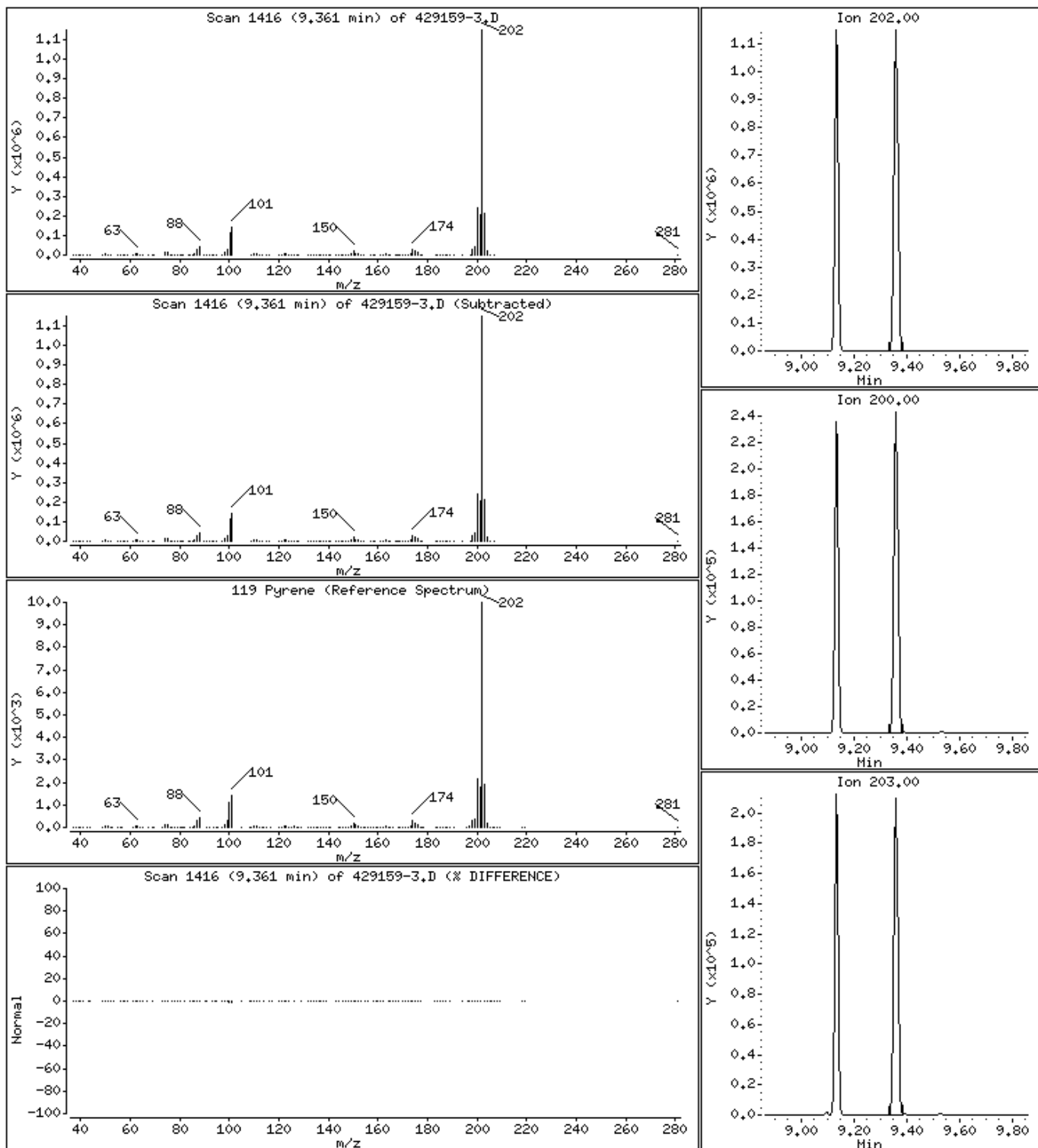
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

119 Pyrene

Concentration: 33.3 ug/L



Date : 25-AUG-2010 07:50

Client ID:

Instrument: Juliet.i

Sample Info: wg429159-3,32,8270tol,jb

Purge Volume: 1000.0

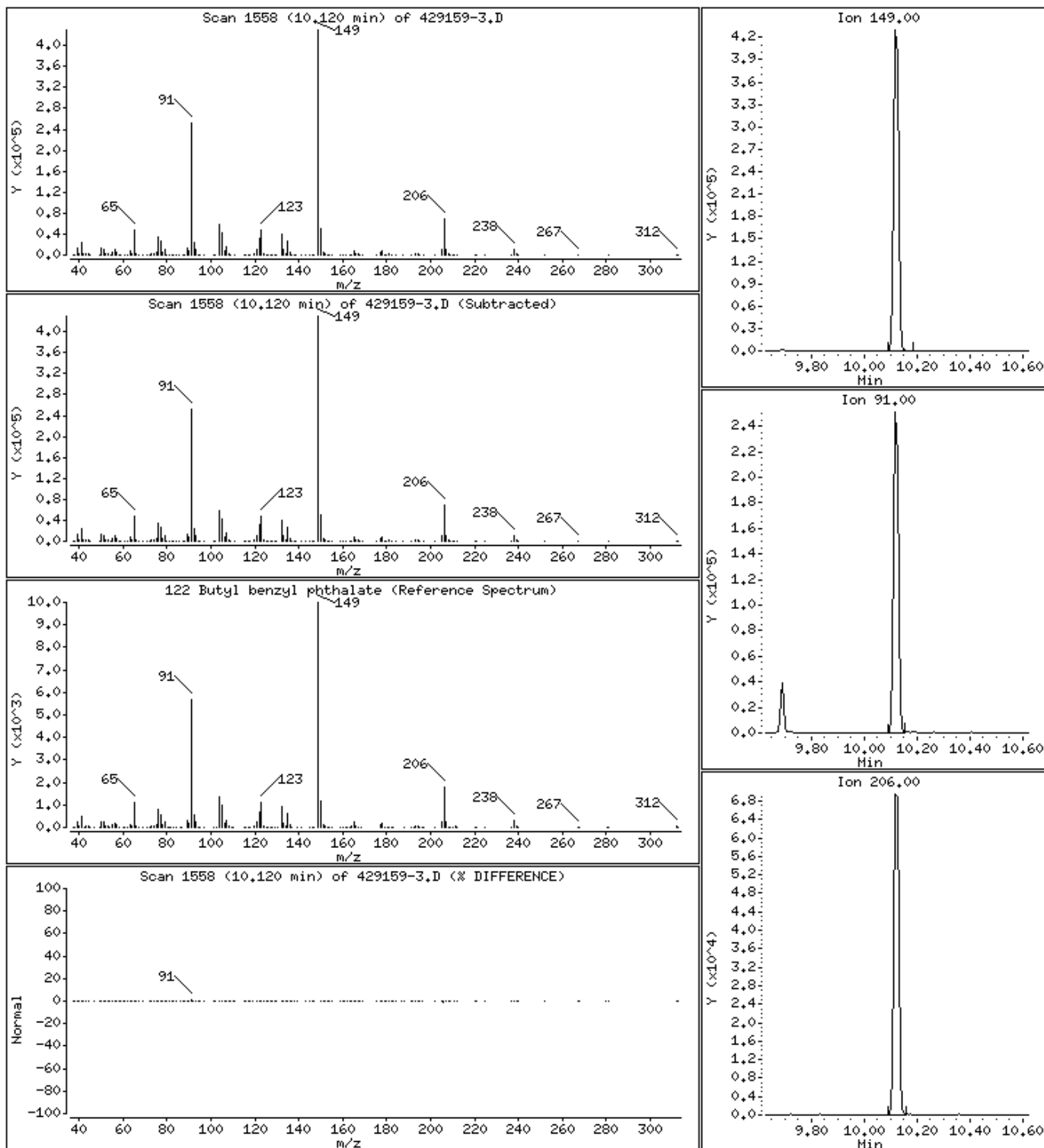
Operator: jb

Column phase: RTX-5

Column diameter: 0.32

122 Butyl benzyl phthalate

Concentration: 34.6 ug/L



Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * 1000 * (1/V_o) * V_f$

Where:

DF = Dilution Factor

V_o = Volume of Sample (mL)

V_f = Extraction Lab Final Volume (mL)

Soil Concentration Formula: $Amt * DF * 1000 * (1/W_t) * V_f$

Where:

DF = Dilution Factor

W_t = Weight of Sample (g)

V_f = Extraction Lab Final Volume (mL)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Sep 01 2010, 09:51 am

Work Group: WG429159 for Department: 2 Organic Preparation

Created: 24-AUG-10 Due: Operator: eh

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1012870-06	FIELD BLANKS	C NYTCL-8270	WATER	DONE	U	0824	0826	S0	Amber-A1
L1012962-19	FIELD BLANK	C NYTCL-8270	WATER	DONE	U	0826	0827	S0	Amber-A1
L1013017-01	WC-001 PZ-B	C NYTCL-8270	WATER	DONE	U	0830	0830	S0	Amber-A1
WG429159-1	Laboratory Method BL	S NYTCL-8270	WATER	DONE	U				
WG429159-2	Laboratory Control S	S NYTCL-8270	WATER	DONE	U				
WG429159-3	LCS Duplicate	S NYTCL-8270	WATER	DONE	U				
Comments:									
WG429159-3	WG429159-2								

Sequence Name: C:\msdchem\1\sequence\100823nical.s

Comment: Juliet mega mix

Operator: jlb

Data Path: C:\MSDCHEM\1\DATA\100823nICAL\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run

On A Barcode Mismatch

(X) Full Method

(X) Inject Anyway

() Reprocessing Only

() Don't Inject

Line	Sample Name/Misc Info
1) Sample	100 deg0823n DFTPP deg
2) Sample	100 dft0823n DFTPP dftpp
3) Sample	1 abn11 ABNFAST1 abn 2 lot#3556
4) Sample	2 abn12 ABNFAST1 abn 5 lot#3556
5) Sample	3 abn13 ABNFAST1 abn 10 lot#3556
6) Sample	4 abn14 ABNFAST1 abn 20 lot#3556
7) Sample	5 abn15 ABNFAST1 abn 50 lot#3556
8) Sample	6 abn16 ABNFAST1 abn 100 lot#3556
9) Sample	7 abn17 ABNFAST1 abn 150 lot#3556
10) Sample	8 abn18 ABNFAST1 abn 200 lot#3556
11) Sample	9 ap911 ABNFAST1 ap9 2 lot#3557
12) Sample	10 ap912 ABNFAST1 ap9 5lot#3557
13) Sample	11 ap913 ABNFAST1 ap9 10 lot#3557
14) Sample	12 ap914 ABNFAST1 ap9 20 lot#3557
15) Sample	13 ap915 ABNFAST1 ap9 50 lot#3557
16) Sample	14 ap916 ABNFAST1 ap9 100 lot#3557
17) Sample	15 ap917 ABNFAST1 ap9 150 lot#3557
18) Sample	16 ap918 ABNFAST1 ap9 200 lot#3557
19) Sample	17 abn1cv ABNFAST1 abn 1cv lot#3040
20) Sample	18 ap91cv ABNFAST1 ap9 1cv lot#2996

ICAL5274

verified
JB

Sequence Name: C:\msdchem\1\sequence\100827.s

Comment: Juliet mega mix

Operator: hl

Data Path: C:\MSDCHEM\1\DATA\100827\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run On A Barcode Mismatch

(X) Full Method (X) Inject Anyway

() Reprocessing Only () Don't Inject

Line	Sample Name/Misc Info
1) Sample	100 deg0827 DFTPP deg
2) Sample	100 dft0827 DFTPP dftpp
3) Sample	96 abn050 ABNFAST1 abn icv/ccv lot#3040
4) Sample	1 429564-2 ABNFAST1 wg429564-2,32,mcp8270,hl
5) Sample	2 429564-3 ABNFAST1 wg429564-3,32,mcp8270,hl
6) Sample	3 12962-14 ABNFAST1 l1012962-14,32,nytcl,hl
7) Sample	4 12968-01 ABNFAST1 l1012968-01d,32,2x,mcp8270,hl
8) Sample	5 12968-02 ABNFAST1 l1012968-02d,32,4x,mcp8270,hl
9) Sample	6 12963-01 ABNFAST1 l1012963-01d,32,nytcl,10x,rr,
10) Sample	7 12963-02 ABNFAST1 l1012963-02d,32,nytcl,2x,rr,h
11) Sample	8 12963-04 ABNFAST1 l1012963-04d,32,nytcl,8x,rr,h
12) Sample	9 429564-1 ABNFAST1 wg429564-1,32,mcp8270,hl
13) Sample	10 12688-03 ABNFAST1 l1012688-03d,32,mcp8270,2xhl
14) Sample	11 13017-01 ABNFAST1 l1013017-01,32,nytcl,8x,rr,hl
15) Sample	12 429661-1 ABNFAST1 wg429661-1,32,mcp-8270,rl
16) Sample	13 429661-2 ABNFAST1 wg429661-2,32,mcp-8270,rl
17) Sample	14 429661-3 ABNFAST1 wg429661-3,32,mcp-8270,rl
18) Sample	15 13072-01 ABNFAST1 l1013072-01,32,mcp-8270,rl
19) Sample	16 13072-03 ABNFAST1 l1013072-03,32,mcp-8270,rl
20) Sample	17 13072-05 ABNFAST1 l1013072-05,32,mcp-8270,rl
21) Sample	18 13072-07 ABNFAST1 l1013072-07,32,mcp-8270,rl
22) Sample	19 13072-09 ABNFAST1 l1013072-09,32,mcp-8270,rl
23) Sample	20 13072-11 ABNFAST1 l1013072-11,32,mcp-8270,rl
24) Sample	21 13072-12 ABNFAST1 l1013072-12,32,mcp-8270,rl
25) Sample	22 13072-13 ABNFAST1 l1013072-13,32,mcp-8270,rl
26) Sample	23 13072-17 ABNFAST1 l1013072-17,32,mcp-8270,rl
27) Sample	24 13152-02 ABNFAST1 l1013152-02,32,mcp-8270,rl
28) Sample	25 13152-04 ABNFAST1 l1013152-04,32,mcp-8270,rl

Sequence Name: C:\msdchem\1\sequence\100825.s

Comment: Juliet mega mix

Operator: jlb

Data Path: C:\MSDCHEM\1\DATA\100825\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run On A Barcode Mismatch

(X) Full Method (X) Inject Anyway

() Reprocessing Only () Don't Inject

Line	Sample Name/Misc Info
1) Sample	100 dft0825 DFTPP deg
2) Sample	100 deg0825 DFTPP dftpp
3) Sample	96 abn050 ABNFAST1 abn icv/ccv lot#3040
4) Sample	97 ap950 ABNFAST1 ap9 icv/cc lot#2996
5) Sample	1 429163-1 ABNFAST1 wg429163-1,32,8270tcl,jb
6) Sample	2 429163-2 ABNFAST1 wg429163-2,32,8270tcl,jb
7) Sample	3 429163-3 ABNFAST1 wg429163-3,32,8270tcl,jb
8) Sample	4 12870-06 ABNFAST1 l1012870-06,32,nytcl8270,jb
9) Sample	5 429274-1 ABNFAST1 wg429274-1,32,mcp8270,jb
10) Sample	6 429274-2 ABNFAST1 wg429274-2,32,mcp8270,jb
11) Sample	7 429274-3 ABNFAST1 wg429274-3,32,mcp8270,jb
12) Sample	8 429239-1 ABNFAST1 wg429239-1,32,mcp8270,jb
13) Sample	9 429239-2 ABNFAST1 wg429239-2,32,mcp8270,jb
14) Sample	10 429239-3 ABNFAST1 wg429239-3,32,mcp8270,jb
15) Sample	11 429163-4 ABNFAST1 wg429163-4,32,8270tcl,jb
16) Sample	12 429163-5 ABNFAST1 wg429163-5,32,8270tcl,jb
17) Sample	13 12969-01 ABNFAST1 l1012969-01,32,8270tcl,jb
18) Sample	14 12969-02 ABNFAST1 l1012969-02,32,8270tcl,jb
19) Sample	15 12969-03 ABNFAST1 l1012969-03,32,8270tcl,jb
20) Sample	16 12969-04 ABNFAST1 l1012969-04,32,8270tcl,jb
21) Sample	17 12969-05 ABNFAST1 l1012969-05,32,8270tcl,jb
22) Sample	18 12969-06 ABNFAST1 l1012969-06,32,8270tcl,jb
23) Sample	19 12969-07 ABNFAST1 l1012969-07,32,8270tcl,jb
24) Sample	20 12969-09 ABNFAST1 l1012969-09,32,8270tcl,jb
25) Sample	21 12969-10 ABNFAST1 l1012969-10,32,8270tcl,jb
26) Sample	22 12969-11 ABNFAST1 l1012969-11,32,8270tcl,jb
27) Sample	23 12969-12 ABNFAST1 l1012969-12,32,8270tcl,jb
28) Sample	100 dft0825n DFTPP deg
29) Sample	100 deg0825n DFTPP dftpp
30) Sample	96 abn050n ABNFAST1 abn icv/ccv lot#3040
31) Sample	97 ap950n ABNFAST1 ap9 icv/cc lot#2996
32) Sample	24 13007-02 ABNFAST1 l1013007-02,32,mcp8270,jb
33) Sample	25 13007-04 ABNFAST1 l1013007-04,32,mcp8270,jb
34) Sample	26 13007-06 ABNFAST1 l1013007-06,32,mcp8270,jb
35) Sample	27 13007-08 ABNFAST1 l1013007-08,32,mcp8270,jb
36) Sample	28 13007-10 ABNFAST1 l1013007-10,32,mcp8270,jb
37) Sample	29 13007-11 ABNFAST1 l1013007-11,32,mcp8270,jb
38) Sample	30 13007-13 ABNFAST1 l1013007-13,32,mcp8270,jb
39) Sample	31 13007-15 ABNFAST1 l1013007-15,32,mcp8270,jb
40) Sample	32 13007-17 ABNFAST1 l1013007-17,32,mcp8270,jb
41) Sample	33 13007-19 ABNFAST1 l1013007-19,32,mcp8270,jb
42) Sample	34 13007-21 ABNFAST1 l1013007-21,32,mcp8270,jb
43) Sample	35 13007-24 ABNFAST1 l1013007-24,32,mcp8270,jb

Line	Type	Vial	DataFile	Method	Sample Name
44)	Sample	36	13018-01	ABNFAST1	11013018-01,32,mcp8270,jb
45)	Sample	37	13020-01	ABNFAST1	11013020-01,32,mcp8270,jb
	Sample	38	13022-01	ABNFAST1	11013022-01,32,mcp8270,jb
47)	Sample	39	12919-01	ABNFAST1	11012919-01,32,8270tcl,jc
48)	Sample	40	12919-03	ABNFAST1	11012919-03,32,8270tcl,jc
49)	Sample	41	12919-04	ABNFAST1	11012919-04,32,8270tcl,jc
50)	Sample	42	12919-05	ABNFAST1	11012919-05,32,8270tcl,jc
51)	Sample	43	12919-06	ABNFAST1	11012919-06,32,8270tcl,jc



ORGANIC ELN REPORT

Workgroup: WG429159

Prep Method: EPA 3510C Solvent Type: DCM Surrogate Type: ABN Spike Type: ABN Spike Verify by: JB Lims Spikelot: 8270-USAC2 Additional Reagents/Std <table><tr><td>H2SO4</td><td>a081610</td></tr><tr><td>NaOH</td><td>na082310</td></tr></table>	H2SO4	a081610	NaOH	na082310	Conc.Method: KD Solvent Type: Lot #: dc232 Additional Reagents/Std	Cleanup 1 Cleanup Method 1: Cleanup Method 2: Solvent Type: Lot #: Additional Reagents/Std
H2SO4	a081610					
NaOH	na082310					

Sample/ Type	Extraction						Concentration		
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml
WG429159-1 BLANK	08/24/10 14:58	Eric Hunt	1000	A/B	1		08/24/10 19:26	George Nantwi	1
	same qc as wg429160, 429161, 429162, 429163, 429164								
WG429159-2 LCS	08/24/10 14:58	Eric Hunt	1000	A/B	1	1	08/24/10 19:26	George Nantwi	1
	same qc as wg429163, 429161								
WG429159-3 LCSD	08/24/10 14:58	Eric Hunt	1000	A/B	1	1	08/24/10 19:26	George Nantwi	1
	same qc as wg429163, 429161								
L1012870-06 WATER	08/24/10 14:58	Eric Hunt	1000	A/B	1		08/24/10 19:26	George Nantwi	1
	90 mLs added from E amber								
L1012962-19 WATER	08/24/10 14:58	Eric Hunt	975	A/B	1		08/24/10 19:26	George Nantwi	.95
L1013017-01 WATER	08/24/10 14:58	Eric Hunt	1000	A/B	1		08/24/10 19:26	George Nantwi	1

Semivolatiles Data- Method 8270C-SIM

Semivolatiles QC Summary

3C
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER SEMIVOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample - Client Sample No.: WG429160-2LCS

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
Acenaphthene	10	NA	7.1	71	37-111
2-Chloronaphthalene	10	NA	9.8	98	40-140
Fluoranthene	10	NA	9.4	94	40-140
Anthracene	10	NA	8.1	81	40-140
Pyrene	10	NA	9.1	91	26-127
Pentachlorophenol	10	NA	8.4	84	9-103

Lab Control Sample Duplicate: WG429160-3LCSD

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS RPD	REC.
=====	=====	=====	=====	=====	=====	=====
Acenaphthene	10	5.5	55	25	40	37-111
2-Chloronaphthalene	10	9.0	90	9	40	40-140

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8270-SIM

3C
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER SEMIVOLATILE ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample Duplicate - Client Sample No.: WG429160-2LCS WG429160-3LCSD

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS	
=====	=====	=====	=====	=====	RPD	REC.
Fluoranthene	10	7.4	74	24	40	40-140
Anthracene	10	5.7	57	35	40	40-140
Pyrene	10	7.0	70	26	40	26-127
Pentachlorophenol	10	6.3	63	29	40	9-103

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8270-SIM

4B

WG429160-1BLANK

Time Analyzed: 10:34

[illegible]

COMMENTS: _____

5B
SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Lab File ID: DFT0821_

DFTPP Injection Date: 08/21/10

Instrument ID: Mork.i

DFTPP Injection Time: 13:31

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
198	Base Peak, 100% relative abundance	100
51	30.0 - 60.0% of mass 198	36.2
68	Less than 2.0% of mass 69	0 (0.00)1
69	Mass 69 relative abundance	44.6
70	Less than 2.0% of mass 69	0.2 (0.50)1
127	40.0 - 60.0% of mass 198	45.8
197	Less than 1.0% of mass 198	0
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	27.8
365	Greater than 1.0% of mass 198	3.8
441	Present, but less than mass 443	79.3
442	40.0 - 100% of mass 198	76.9
443	17.0 - 23.0 of mass 442	15 (19.4)2

1-Value is % of mass 69 2-Value is % of mass 442

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

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	Tailing Factor	Tailing Factor	tailing	08/21/10	13:31
02	sim 0.05/0.5 lot	sim 0.05/0.5 l	siml1	08/21/10	13:51
03	sim 0.05/0.5 lot	sim 0.05/0.5 l	siml1	08/21/10	13:51
04	sim 0.10/1.0 lot	sim 0.10/1.0 l	siml2	08/21/10	14:21
05	sim 0.10/1.0 lot	sim 0.10/1.0 l	siml2	08/21/10	14:21
06	sim 0.20/2.0 lot	sim 0.20/2.0 l	siml3	08/21/10	14:51
07	sim 0.20/2.0 lot	sim 0.20/2.0 l	siml3	08/21/10	14:51
08	sim 0.5/5.0 lot	sim 0.5/5.0 lo	siml4	08/21/10	15:20
09	sim 0.5/5.0 lot	sim 0.5/5.0 lo	siml4	08/21/10	15:20
10	sim 1.0/10 lot 3	sim 1.0/10 lot	siml5	08/21/10	15:50
11	sim 2.0/20 lot 3	sim 2.0/20 lot	siml6	08/21/10	16:20
12	sim 2.0/20 lot 3	sim 2.0/20 lot	siml6	08/21/10	16:20
13	sim 5.0/40 lot 3	sim 5.0/40 lot	siml7	08/21/10	16:49
14	sim 5.0/40 lot 3	sim 5.0/40 lot	siml7	08/21/10	16:49
15	sim 10/50 lot 30	sim 10/50 lot	siml8	08/21/10	17:19
16	sim 10/50 lot 30	sim 10/50 lot	siml8	08/21/10	17:19
17	sim 20/60 lot 30	sim 20/60 lot	siml9	08/21/10	17:49
18	sim 20/60 lot 30	sim 20/60 lot	siml9	08/21/10	17:49
19	Sim ICV Summary	Sim ICV Summar	ccal	08/21/10	18:19
20	Sim ICV Pre Quan	Sim ICV Pre Qu	simicv	08/21/10	18:19
21	Sim ICV Quant Re	Sim ICV Quant	simicv	08/21/10	18:19

5B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Lab File ID: DFT0825

DFTPP Injection Date: 08/25/10

Instrument ID: Mork.i

DFTPP Injection Time: 09:29

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
198	Base Peak, 100% relative abundance	100
51	30.0 - 60.0% of mass 198	33.4
68	Less than 2.0% of mass 69	0 (0.00)1
69	Mass 69 relative abundance	41.6
70	Less than 2.0% of mass 69	0.2 (0.47)1
127	40.0 - 60.0% of mass 198	45.6
197	Less than 1.0% of mass 198	0
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	28.2
365	Greater than 1.0% of mass 198	3.6
441	Present, but less than mass 443	77.6
442	40.0 - 100% of mass 198	82
443	17.0 - 23.0 of mass 442	15.6 (19.0)2

1-Value is % of mass 69	2-Value is % of mass 442

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

[illegible]

5B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Lab File ID: DFT0827_

DFTPP Injection Date: 08/27/10

Instrument ID: Mork.i

DFTPP Injection Time: 07:11

m/e	ION ABUNDANCE CRITERIA	% Relative Abundance
198	Base Peak, 100% relative abundance	100
51	30.0 - 60.0% of mass 198	33.4
68	Less than 2.0% of mass 69	0 (0.00)1
69	Mass 69 relative abundance	40.6
70	Less than 2.0% of mass 69	0.1 (0.31)1
127	40.0 - 60.0% of mass 198	43.7
197	Less than 1.0% of mass 198	0
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	29
365	Greater than 1.0% of mass 198	4.3
441	Present, but less than mass 443	78.3
442	40.0 - 100% of mass 198	90.1
443	17.0 - 23.0 of mass 442	17.1 (18.9)2

1-Value is % of mass 69	2-Value is % of mass 442

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

[illegible]

8B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Lab File ID (Standard): cc0825_ccal

Date Analyzed: 25-AUG-2010

Instrument ID : Mork.i

Time Analyzed: 09:50

[illegible]

IS1{DCB} = 1,4-DICHLOROBEZENE-D4
IS2{NPT} = NAPHTHALENE-D8
IS3{ANT} = ACENAPHTHENE-D10

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50 % of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

* Values outside of QC limits.

8C

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Lab File ID (Standard): cc0825_ccal

Date Analyzed: 25-AUG-2010

Instrument ID : Mork.i

Time Analyzed: 09:50

[illegible]

IS4 (PHN) = PHENANTHRENE-D10
IS5 (CRY) = CHRYSENE-D12
IS6 (PRY) = PERYLENE-D12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50 % of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

* Values outside of QC limits.

8B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Lab File ID (Standard): cc0827_ccal

Date Analyzed: 27-AUG-2010

Instrument ID : Mork.i

Time Analyzed: 07:31

[illegible]

IS1{DCB} = 1,4-DICHLOROBENZENE-D4
IS2{NPT} = NAPHTHALENE-D8
IS3{ANT} = ACENAPHTHENE-D10

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50 % of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

* Values outside of QC limits.

8C

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Lab File ID (Standard): cc0827_ccal

Date Analyzed: 27-AUG-2010

Instrument ID : Mork.i

Time Analyzed: 07:31

[illegible]

IS4 (PHN) = PHENANTHRENE-D10
IS5 (CRY) = CHRYSENE-D12
IS6 (PRY) = PERYLENE-D12

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = - 50 % of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

* Values outside of QC limits.

Determination of Method Detection Limits

Alpha Analytical, Inc.
Westborough, MA

Method: EPA 8270C-SIM

2008

GCMS Semivolatile Organics(SIM)

Sep. Funnel

Liquid

Approved

Page 1 of 1	HL
Tech:	1/31/2008
Date:	Work
Instrument ID:	
Prep Method:	EPA 3510C
Prep Chemist:	JB, SR

Table (MDL)

Table (MDL)		T value used																
No.	Analytes	Data file							for calculating MDL: 3.14									
		Date Analy.	Target	Rep-1	Rep-2	Rep-3	Rep-4	Rep-5	Rep-6	Rep-7	Mean	Mean Accuracy	Standard Deviation	Calc.MDL (ug/L)	Current RL (ug/L)	Comment		
1	Acenaphthene		0.25	0.16	0.16	0.16	0.15	0.14	0.14	0.12	0.13	0.17	0.16	63%	0.020	0.064	0.200	
2	Acenaphthylene		0.25	0.15	0.15	0.14	0.14	0.14	0.12	0.13	0.13	0.17	0.14	57%	0.016	0.050	0.200	
3	Anthracene		0.25	0.19	0.19	0.18	0.18	0.18	0.15	0.16	0.16	0.21	0.18	72%	0.020	0.063	0.200	
4	Benzo(a)anthracene		0.25	0.23	0.23	0.21	0.18	0.23	0.21	0.22	0.21	0.22	0.22	86%	0.018	0.057	0.200	
5	Benzo(a)pyrene		0.25	0.23	0.22	0.19	0.18	0.21	0.18	0.22	0.21	0.20	0.21	82%	0.017	0.054	0.200	
6	Benzo(b)fluoranthene		0.25	0.22	0.23	0.19	0.19	0.18	0.22	0.21	0.21	0.20	0.21	83%	0.018	0.056	0.200	
7	Benzo(e)pyrene		0.25	0.21	0.22	0.19	0.17	0.20	0.17	0.20	0.20	0.20	0.20	79%	0.016	0.049	0.200	
8	Benzo(g,h,i)perylene		0.25	0.15	0.17	0.14	0.12	0.15	0.15	0.17	0.17	0.15	0.15	60%	0.017	0.054	0.200	
9	Benzo(k)fluoranthene		0.25	0.20	0.22	0.18	0.17	0.19	0.19	0.21	0.19	0.19	0.19	78%	0.017	0.054	0.200	
10	Biphenyl		0.25	0.14	0.15	0.14	0.14	0.14	0.12	0.12	0.12	0.17	0.14	56%	0.017	0.054	0.200	
11	Chrysene		0.25	0.23	0.23	0.23	0.20	0.22	0.21	0.23	0.23	0.22	0.22	89%	0.012	0.038	0.200	
12	Dibenz(a,h)anthracene		0.25	0.17	0.19	0.17	0.12	0.16	0.17	0.18	0.18	0.17	0.17	66%	0.022	0.070	0.200	
13	Fluoranthene		0.25	0.22	0.22	0.21	0.20	0.22	0.19	0.23	0.23	0.21	0.21	85%	0.014	0.043	0.200	
14	Fluorene		0.25	0.18	0.18	0.18	0.18	0.15	0.16	0.18	0.18	0.17	0.17	70%	0.014	0.044	0.200	
15	Hexachlorobenzene		0.25	0.15	0.16	0.14	0.15	0.12	0.12	0.17	0.17	0.14	0.14	58%	0.019	0.060	0.200	
16	Hexachlorobutadiene		0.25	0.10	0.10	0.09	0.10	0.07	0.07	0.12	0.12	0.09	0.09	37%	0.018	0.057	0.500	
17	Hexachloroethane		0.25	0.11	0.11	0.11	0.11	0.08	0.08	0.14	0.14	0.11	0.11	42%	0.021	0.065	0.800	
18	Indeno(1,2,3-cd)pyrene		0.25	0.16	0.17	0.16	0.12	0.15	0.15	0.17	0.17	0.17	0.16	63%	0.018	0.057	0.200	
19	Naphthalene		0.25	0.16	0.15	0.15	0.15	0.13	0.13	0.19	0.19	0.15	0.15	61%	0.020	0.064	0.200	
20	Pentachlorophenol		2.25	1.69	1.72	1.57	1.52	1.64	1.54	1.72	1.72	1.63	1.63	72%	0.085	0.268	0.800	
21	Perylene		0.25	0.21	0.20	0.18	0.17	0.19	0.20	0.19	0.19	0.19	0.19	77%	0.013	0.042	0.200	
22	Phenanthrene		0.25	0.19	0.19	0.18	0.18	0.16	0.17	0.22	0.22	0.18	0.18	74%	0.019	0.060	0.200	
23	Pyrene		0.25	0.23	0.23	0.23	0.20	0.22	0.19	0.24	0.24	0.22	0.22	88%	0.018	0.057	0.200	
24	1-methylnaphthalene		0.25	0.16	0.15	0.16	0.15	0.12	0.13	0.17	0.17	0.15	0.15	59%	0.018	0.056	0.200	
25	1-methylphenanthrene		0.25	0.18	0.20	0.19	0.19	0.17	0.17	0.22	0.22	0.19	0.19	75%	0.018	0.056	0.200	
26	2-Chloronaphthalene		0.25	0.15	0.14	0.14	0.14	0.12	0.12	0.17	0.17	0.14	0.14	56%	0.017	0.054	0.200	
27	2,6-Dimethylnaphthalene		0.25	0.13	0.15	0.13	0.14	0.12	0.11	0.16	0.16	0.13	0.13	54%	0.017	0.054	0.200	
28	2-Methylnaphthalene		0.25	0.17	0.16	0.16	0.16	0.14	0.14	0.14	0.16	0.16	0.16	63%	0.015	0.046	0.200	
Surrogates																		
1	2-Fluorophenol		200.00	86.90	82.88	86.09	78.26	74.63	76.09	100.85	83.67	42%						
2	Phenol-d6		200.00	77.13	76.65	78.63	71.05	68.31	67.40	89.42	75.37	38%						
3	Nitrobenzene-d5		100.00	93.09	90.95	92.72	84.64	80.04	79.66	108.21	89.90	90%						
4	2-Fluorobiphenyl		100.00	54.64	50.96	54.48	48.82	48.65	49.78	68.33	54.38	54%						
5	2,4,6-Trichlorophenol		200.00	123.67	134.81	133.03	142.47	106.62	118.17	156.75	130.79	65%						
6	4-Terphenyl-d14		100.00	88.71	71.21	70.06	64.01	68.07	64.71	67.27	67.72	68%						

Comments:

Semivolatile Sample Data

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RXI-5SilMS

Matrix: (soil/water) WATER

Lab Sample ID: L1013017-01

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: 13017-01

Level: (low/med) LOW

Date Received: 08/23/10

% Solids: N/A

Date Extracted: 24-AUG-10

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/27/10 15:48

Injection Volume: 1 (uL)

Dilution Factor: 1

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L		MDL	Q
		Result	RL		
83-32-9	Acenaphthene	0.20	0.20	0.20	U
91-58-7	2-Chloronaphthalene	0.20	0.20	0.20	U
206-44-0	Fluoranthene	0.64	0.64	0.64	
87-68-3	Hexachlorobutadiene	0.50	0.50	0.50	U
91-20-3	Naphthalene	0.20	0.20	0.20	U
56-55-3	Benzo(a)anthracene	0.38	0.38	0.38	
50-32-8	Benzo(a)pyrene	0.45	0.45	0.45	
205-99-2	Benzo(b)fluoranthene	0.62	0.62	0.62	
207-08-9	Benzo(k)fluoranthene	0.20	0.20	0.20	
218-01-9	Chrysene	0.33	0.33	0.33	
208-96-8	Acenaphthylene	0.20	0.20	0.20	U
120-12-7	Anthracene	0.20	0.20	0.20	U
191-24-2	Benzo(ghi)perylene	0.39	0.39	0.39	
86-73-7	Fluorene	0.20	0.20	0.20	U
85-01-8	Phenanthrene	0.42	0.42	0.42	
53-70-3	Dibenzo(a,h)anthracene	0.20	0.20	0.20	U
193-39-5	Indeno(1,2,3-cd)Pyrene	0.54	0.54	0.54	
129-00-0	Pyrene	0.58	0.58	0.58	
91-57-6	2-Methylnaphthalene	0.20	0.20	0.20	U
87-86-5	Pentachlorophenol	0.80	0.80	0.80	U
118-74-1	Hexachlorobenzene	0.80	0.80	0.80	U
67-72-1	Hexachloroethane	0.80	0.80	0.80	U

FORM I NYTCL-8270-SIM

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429160-1BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

GC Column: RXI-5SilMS

Matrix: (soil/water) WATER

Lab Sample ID: WG429160-1

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: 429160-1

Level: (low/med) LOW

Date Received:

% Solids: N/A

Date Extracted: 24-AUG-10

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 08/25/10 10:34

Injection Volume: 1 (uL)

Dilution Factor: 1

GPC Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L		MDL	Q
		Result	RL		
83-32-9	Acenaphthene	0.20	0.20	0.20	U
91-58-7	2-Chloronaphthalene	0.20	0.20	0.20	U
206-44-0	Fluoranthene	0.20	0.20	0.20	U
87-68-3	Hexachlorobutadiene	0.50	0.50	0.50	U
91-20-3	Naphthalene	0.20	0.20	0.20	U
56-55-3	Benzo(a)anthracene	0.20	0.20	0.20	U
50-32-8	Benzo(a)pyrene	0.20	0.20	0.20	U
205-99-2	Benzo(b)fluoranthene	0.20	0.20	0.20	U
207-08-9	Benzo(k)fluoranthene	0.20	0.20	0.20	U
218-01-9	Chrysene	0.20	0.20	0.20	U
208-96-8	Acenaphthylene	0.20	0.20	0.20	U
120-12-7	Anthracene	0.20	0.20	0.20	U
191-24-2	Benzo(ghi)perylene	0.20	0.20	0.20	U
86-73-7	Fluorene	0.20	0.20	0.20	U
85-01-8	Phenanthrene	0.20	0.20	0.20	U
53-70-3	Dibenzo(a,h)anthracene	0.20	0.20	0.20	U
193-39-5	Indeno(1,2,3-cd)Pyrene	0.20	0.20	0.20	U
129-00-0	Pyrene	0.20	0.20	0.20	U
90-12-0	1-Methylnaphthalene	0.20	0.20	0.20	U
91-57-6	2-Methylnaphthalene	0.20	0.20	0.20	U
87-86-5	Pentachlorophenol	0.80	0.80	0.80	U
118-74-1	Hexachlorobenzene	0.80	0.80	0.80	U
67-72-1	Hexachloroethane	0.80	0.80	0.80	U

FORM I NYTCL-8270-SIM

Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827p.b\13017-01.D

Lab Smp Id:

Inj Date : 27-AUG-2010 15:48

Operator : hl

Inst ID: Mork.i

Smp Info : l1013017-01p,32,nytcl,rr,hl

Misc Info : wg429559,wg429160,ICAL5275

Comment : Splitless Injection - Aug 24th 2009 edits.

Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827p.b\mcp30s2.m

Meth Date : 30-Aug-2010 15:31 BenW

Quant Type: ISTD

Cal Date : 21-AUG-2010 16:20

Cal File: siml6.D

Als bottle: 12

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: 8270nj-ny.sub

Target Version: 4.12

Processing Host: EXT-6

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112	3.867	3.853 (0.769)	430299	11.1423	11.1			
\$ 2 Phenol-d6	99	4.749	4.734 (0.944)	256845	6.60753	6.61			
* 3 1,4-Dichlorobenzene-d4	152	5.028	5.028 (1.000)	138793	4.00000				
4 Hexachloroethane	117	Compound Not Detected.							
\$ 5 Nitrobenzene-d5	82	5.546	5.560 (1.103)	557943	13.7030	13.7			
* 6 Naphthalene-d8	136	6.231	6.231 (1.000)	363461	4.00000				
7 Naphthalene	128	Compound Not Detected.							
8 Hexachlorobutadiene	225	6.380	6.380 (1.024)	332	0.01561	0.0156			
9 2-Methylnaphthalene	142	6.915	6.917 (1.110)	2511	0.04345	0.0434			
\$ 11 2-Fluorobiphenyl	172	7.293	7.295 (1.170)	1381494	18.4486	18.4			
12 2-Chloronaphthalene	162	7.405	7.393 (1.188)	402	0.00612	0.00612			
13 Acenaphthylene	152	Compound Not Detected.							
* 14 Acenaphthene-d10	164	7.936	7.938 (1.000)	216304	4.00000				
15 Acenaphthene	153	7.964	7.966 (1.004)	3032	0.04816	0.0482			
16 Fluorene	166	8.474	8.474 (1.068)	4806	0.07587	0.0759			
\$ 17 2,4,6-Tribromophenol	330	8.731	8.731 (1.100)	552566	42.0077	42.0			
18 Hexachlorobenzene	284	Compound Not Detected.							
19 Pentachlorophenol	266	9.291	9.246 (0.989)	4097	0.56578	0.566			
* 20 Phenanthrene-d10	188	9.397	9.397 (1.000)	408243	4.00000				
21 Phenanthrene	178	9.412	9.412 (1.002)	42659	0.42054	0.420			
22 Anthracene	178	9.473	9.472 (1.008)	14393	0.12173	0.122			
24 Fluoranthene	202	10.592	10.592 (1.127)	72882	0.64542	0.645			
25 Pyrene	202	10.837	10.837 (1.153)	71081	0.58177	0.582			
\$ 26 4-Terphenyl-d14	244	11.058	11.058 (1.177)	1009671	17.5491	17.5			
27 Benzo(a)anthracene	228	12.590	12.590 (0.998)	35914	0.37574	0.376			
* 28 Chrysene-d12	240	12.612	12.611 (1.000)	368874	4.00000				
29 Chrysene	228	12.655	12.644 (1.003)	36585	0.33051	0.330			
30 Benzo(b)fluoranthene	252	14.801	14.779 (0.946)	49086	0.62072	0.621			

Compounds	QUANT SIG	CONCENTRATIONS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
31 Benzo(k)fluoranthene	252	14.855	14.843	(0.949)	20584	0.19895	0.199	
33 Benzo(a)pyrene	252	15.513	15.501	(0.991)	32944	0.44961	0.450	
* 34 Perylene-d12	264	15.653	15.641	(1.000)	346584	4.00000		
36 Indeno(1,2,3-cd)pyrene	276	18.205	18.178	(1.163)	40128	0.53661	0.537	
37 Dibenzo(a,h)anthracene	278	18.289	18.270	(1.168)	7732	0.18292	0.183	
38 Benzo(ghi)perylene	276	18.849	18.822	(1.204)	40854	0.38753	0.388	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 27-AUG-2010
 Lab File ID: 13017-01.D Calibration Time: 07:31
 Lab Smp Id:
 Analysis Type: SV Level: LOW
 Quant Type: ISTD Sample Type: WATER
 Operator: hl
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827p.b\mcp30s2.m
 Misc Info: wg429559,wg429160,ICAL5275

Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	133654	66827	267308	138793	3.85
6 Naphthalene-d8	355237	177619	710474	363461	2.32
14 Acenaphthene-d10	195023	97512	390046	216304	10.91
20 Phenanthrene-d10	380823	190412	761646	408243	7.20
28 Chrysene-d12	378006	189003	756012	368874	-2.42
34 Perylene-d12	357322	178661	714644	346584	-3.01

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	0.01
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.01
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	-0.02
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.61	12.11	13.11	12.61	0.01
34 Perylene-d12	15.64	15.14	16.14	15.65	0.07

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa01132
 Sample Matrix: LIQUID Fraction: SV
 Lab Smp Id:
 Level: LOW Operator: hl
 Data Type: MS DATA SampleType: SAMPLE
 SpikeList File: pahtclspks10.spk Quant Type: ISTD
 Sublist File: 8270nj-ny.sub
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827p.b\mcp30s2.m
 Misc Info: wg429559,wg429160,ICAL5275

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2-Fluorophenol	50.0	11.1	22.28	21-120
\$ 2 Phenol-d6	50.0	6.61	13.22	10-120
\$ 5 Nitrobenzene-d5	25.0	13.7	54.81	23-120
\$ 11 2-Fluorobiphenyl	25.0	18.4	73.79	15-120
\$ 17 2,4,6-Tribromophen	50.0	42.0	84.02	10-120
\$ 26 4-Terphenyl-d14	25.0	17.5	70.20	33-120

Date : 27-AUG-2010 15:48

Client ID:

Sample Info: 11013017-01p,32,ngtol,rr,h1

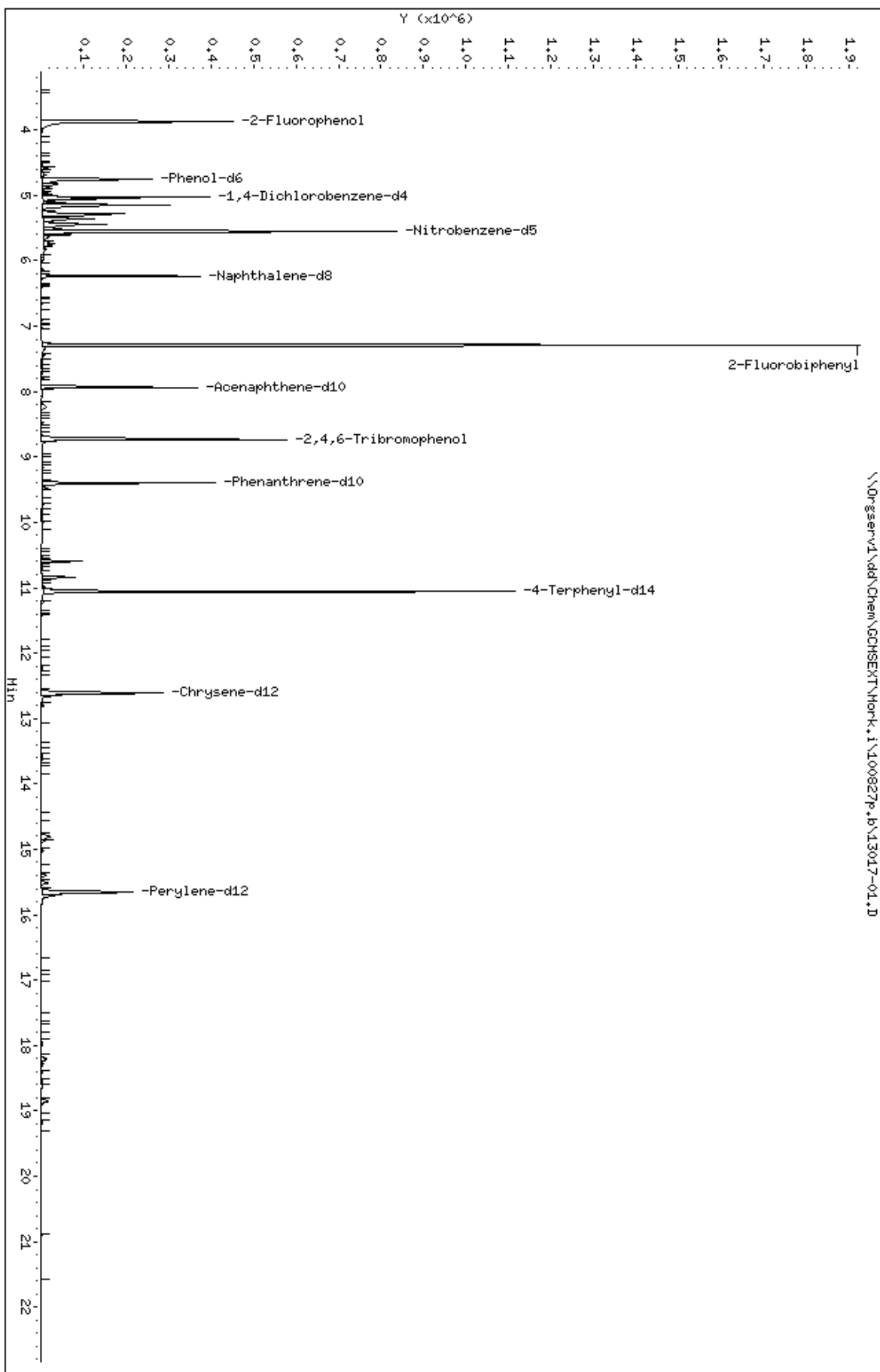
Purge Volume: 1000.0

Column phase: RTX-5

Instrument: Hork,i

Operator: h1

Column diameter: 0.32



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork.i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

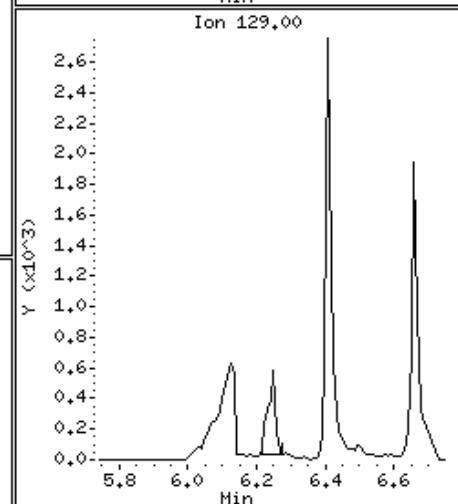
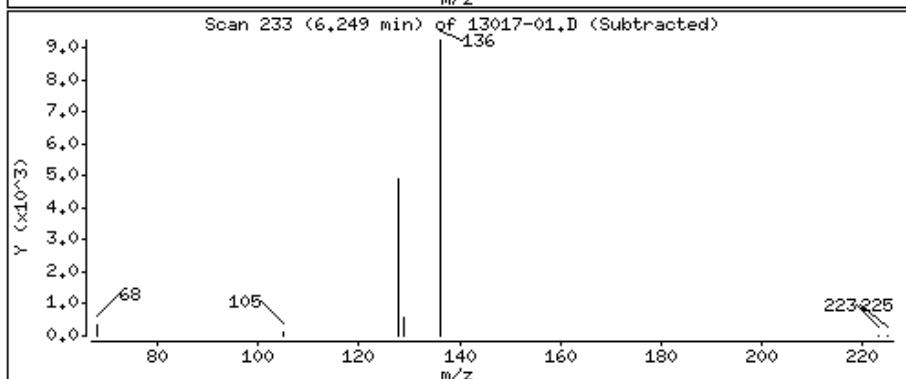
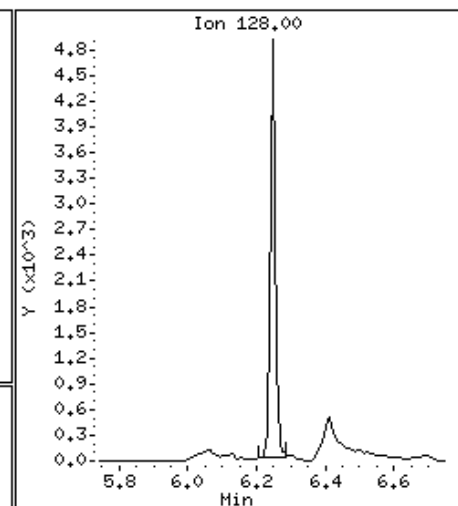
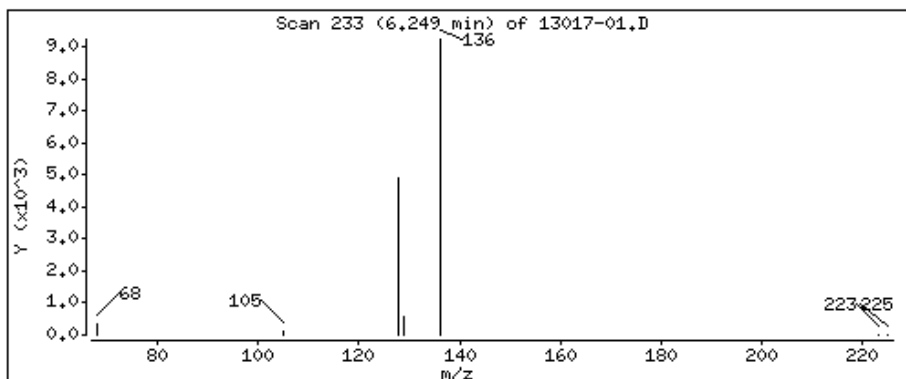
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

7 Naphthalene

Concentration: 0.0614 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

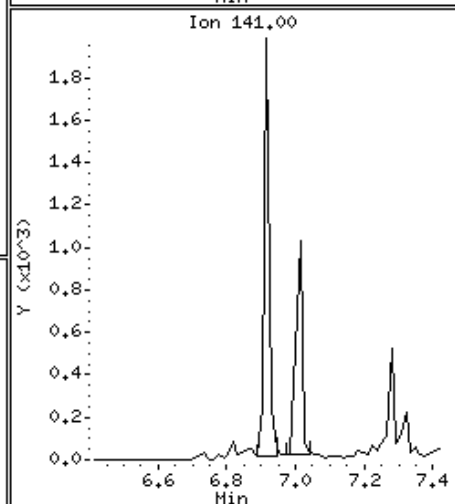
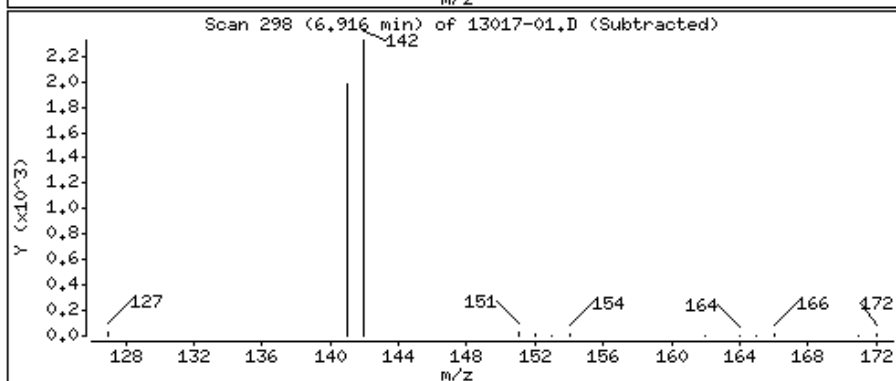
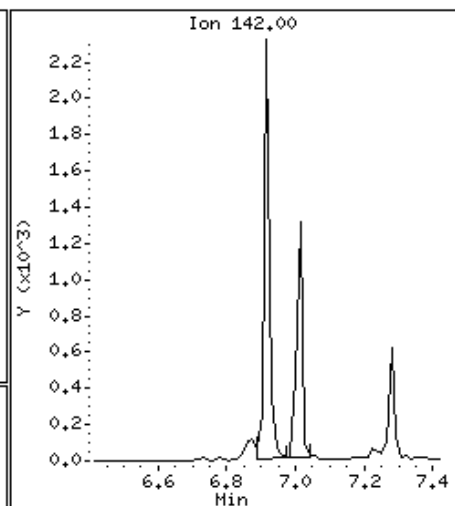
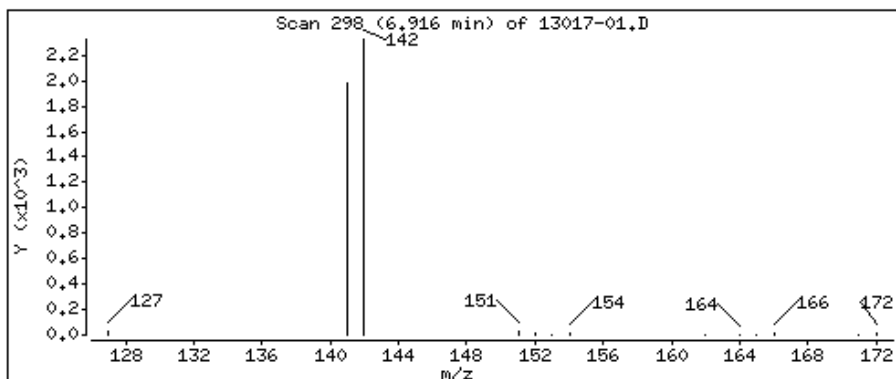
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

9 2-Methylnaphthalene

Concentration: 0.0434 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork.i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

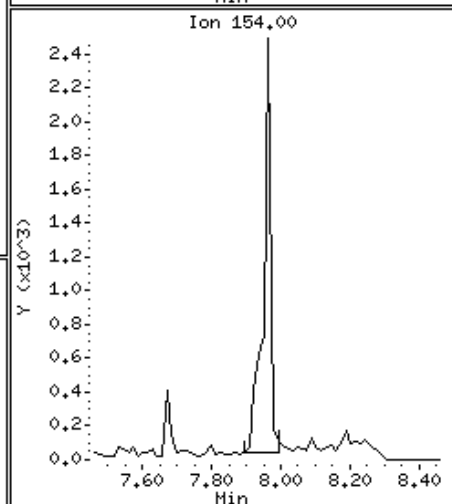
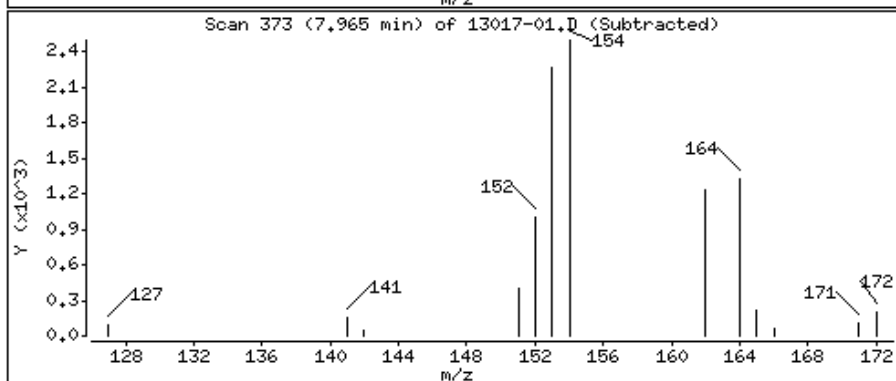
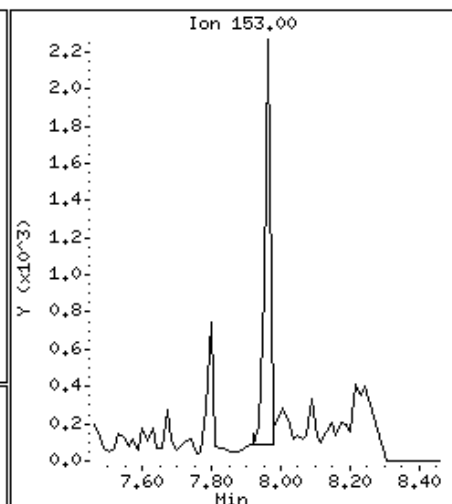
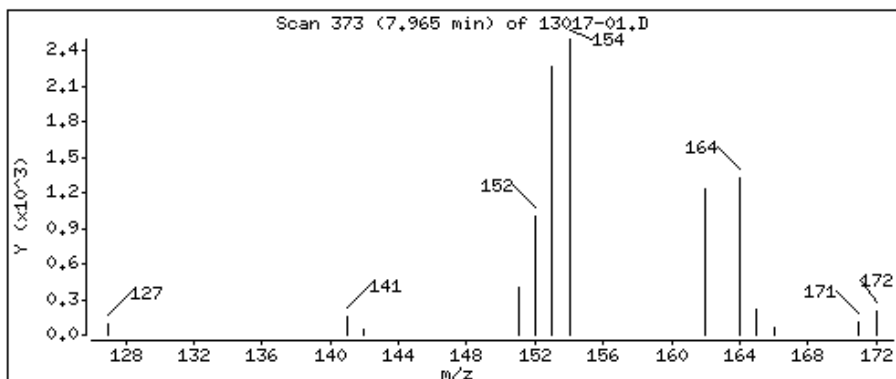
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

15 Acenaphthene

Concentration: 0.0454 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

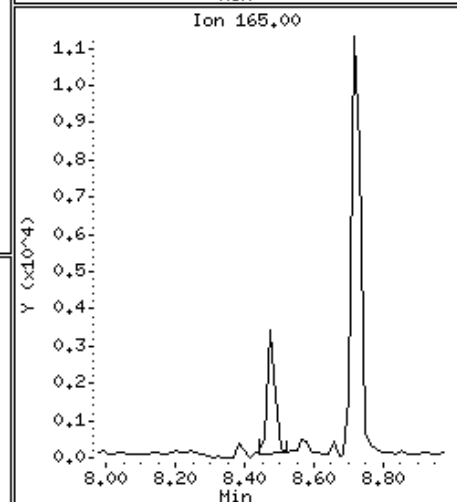
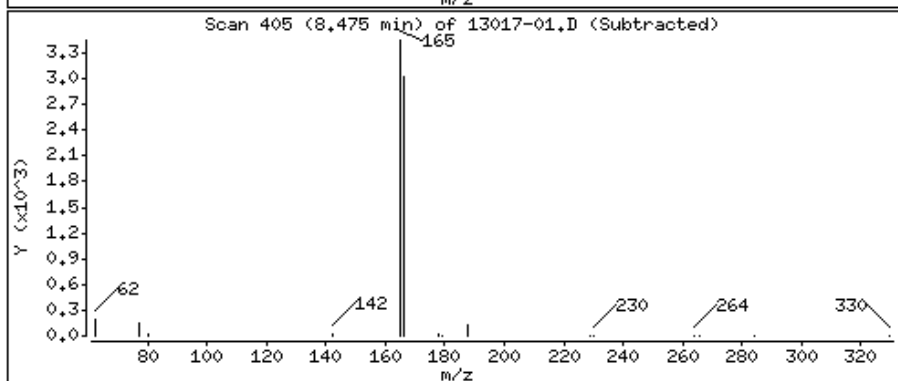
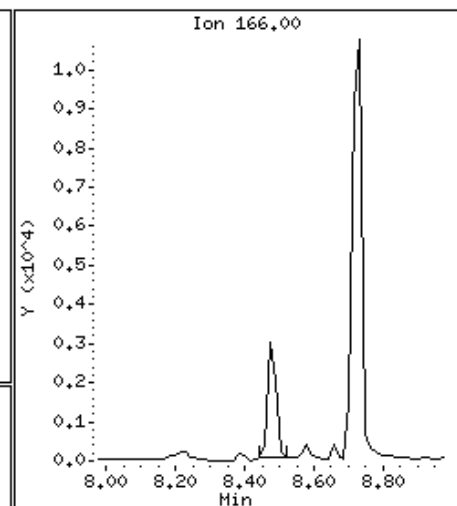
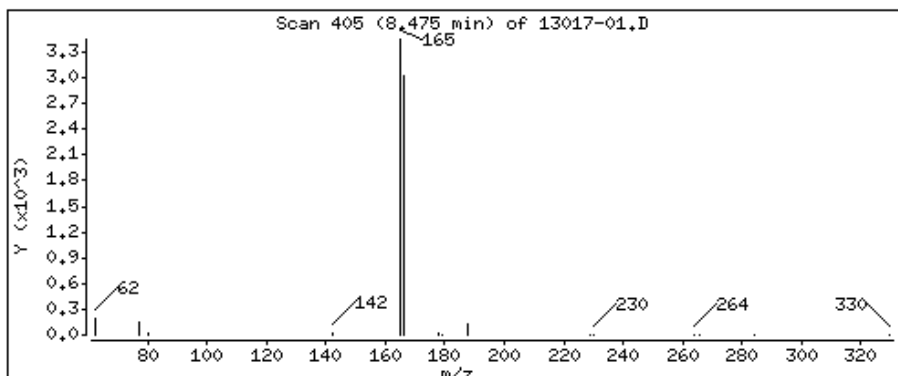
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

16 Fluorene

Concentration: 0.0759 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

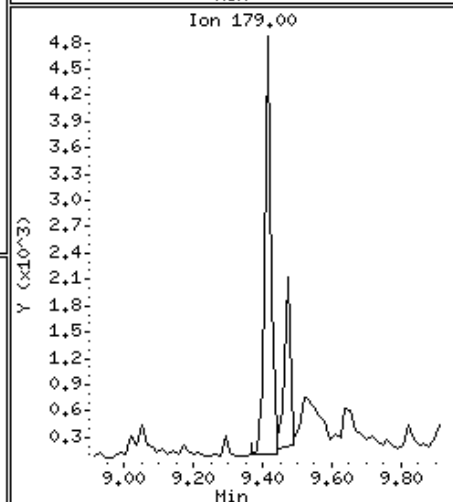
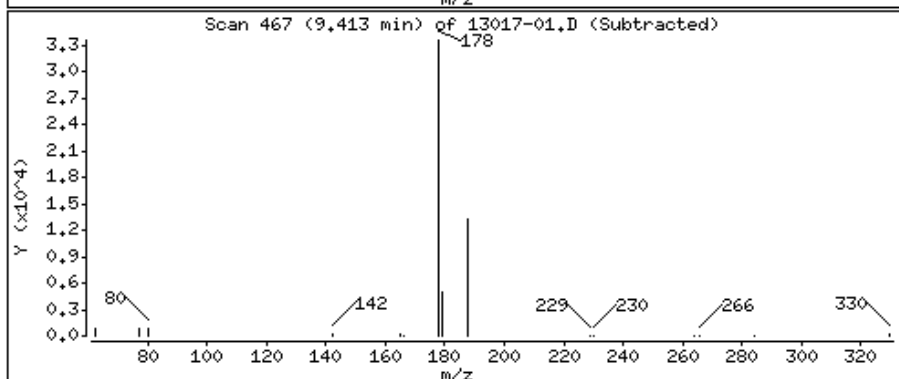
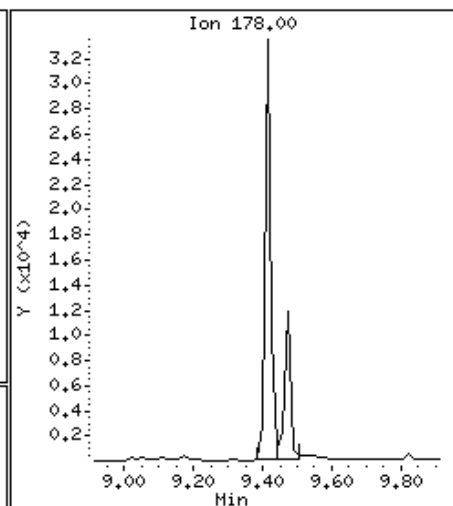
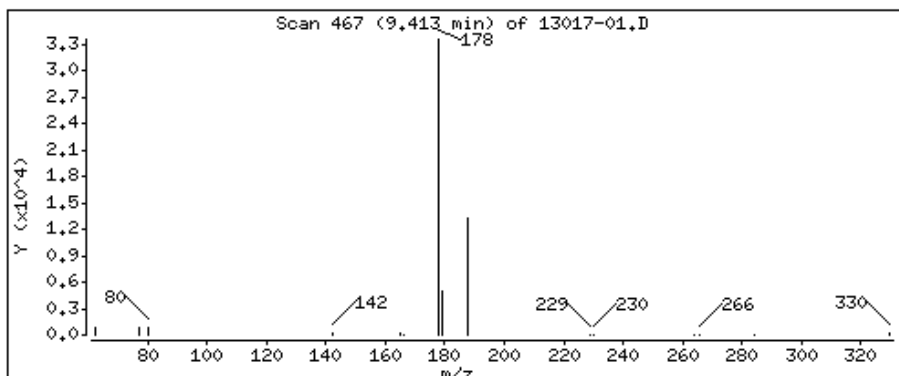
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

21 Phenanthrene

Concentration: 0.420 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

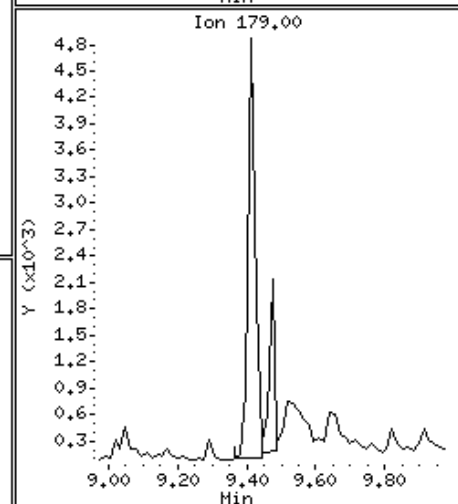
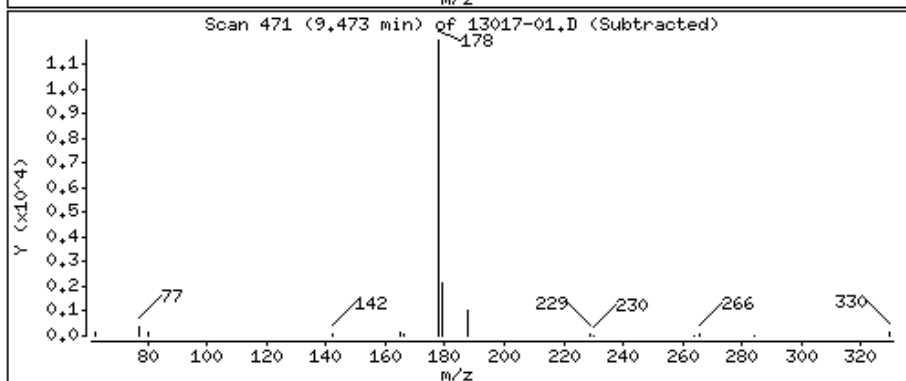
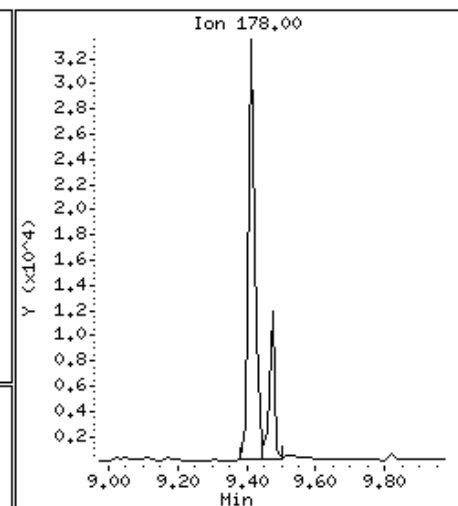
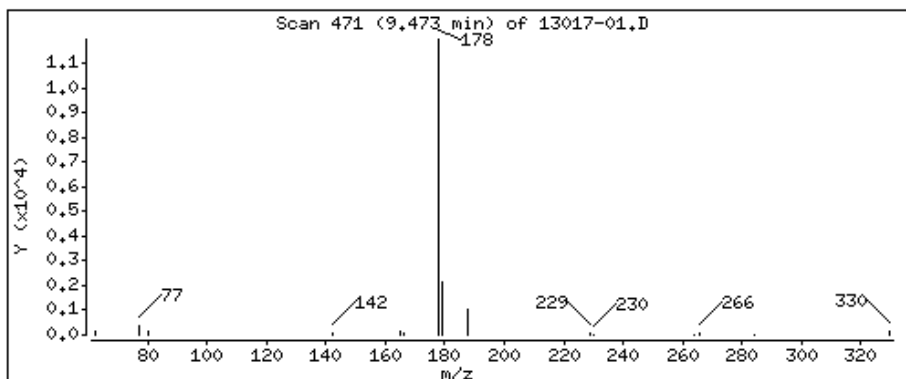
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

22 Anthracene

Concentration: 0.122 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork.i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

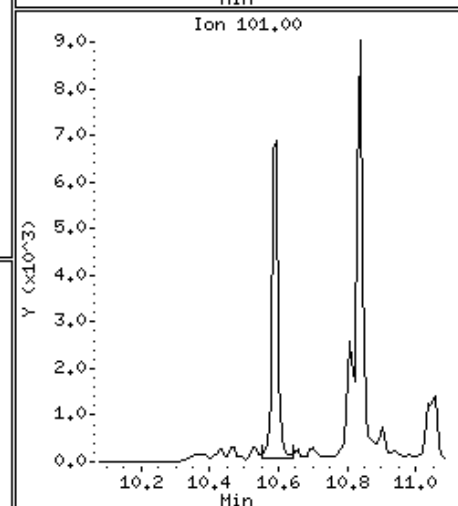
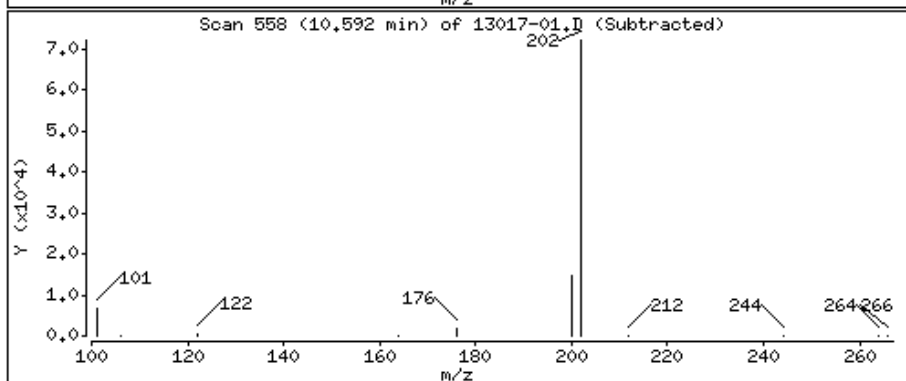
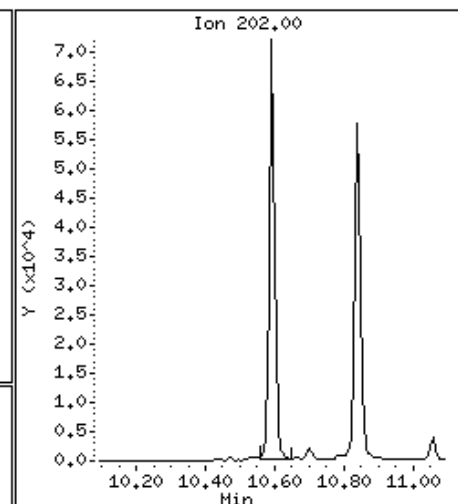
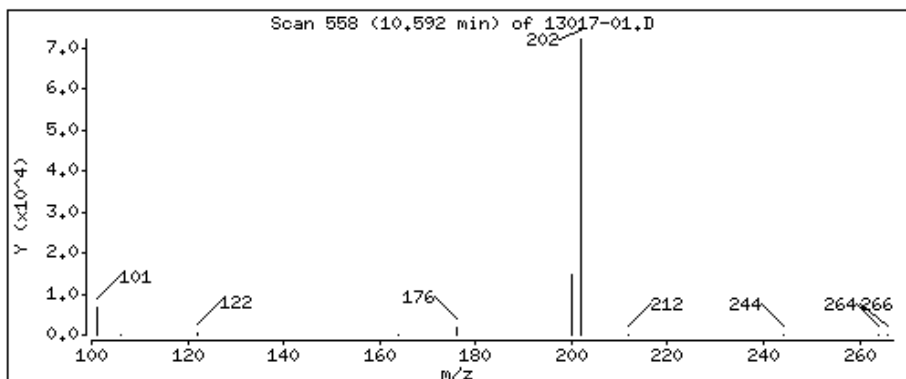
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

24 Fluoranthene

Concentration: 0.645 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork.i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

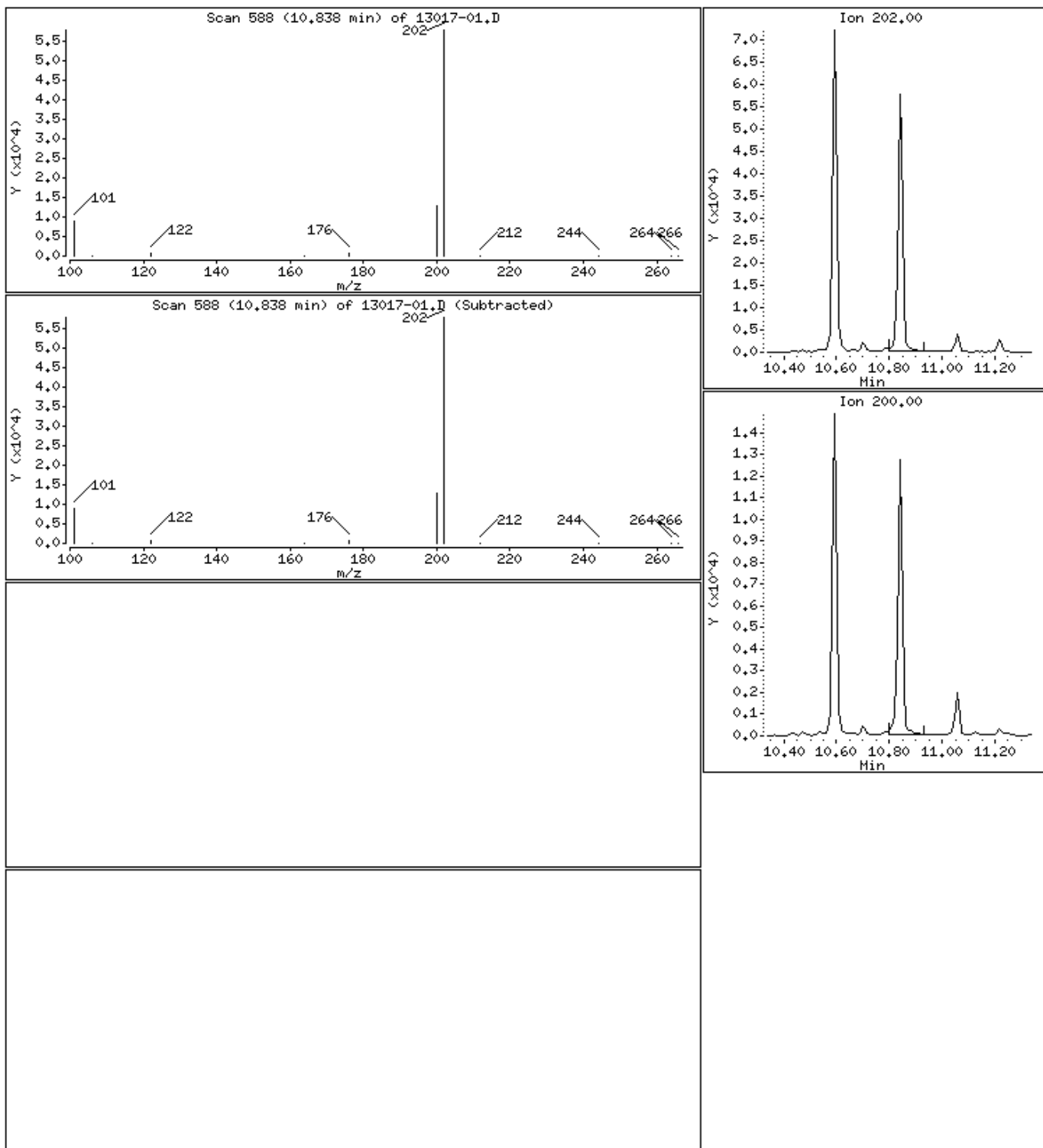
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

25 Pyrene

Concentration: 0.582 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork.i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

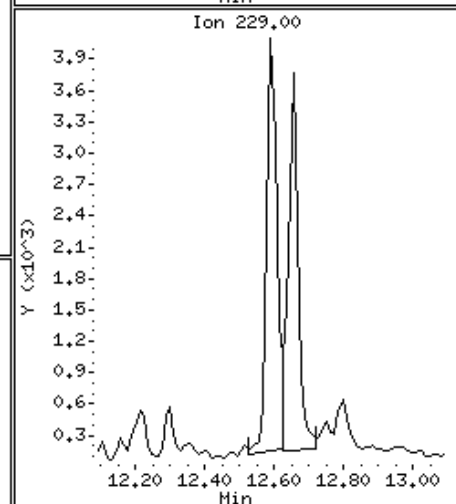
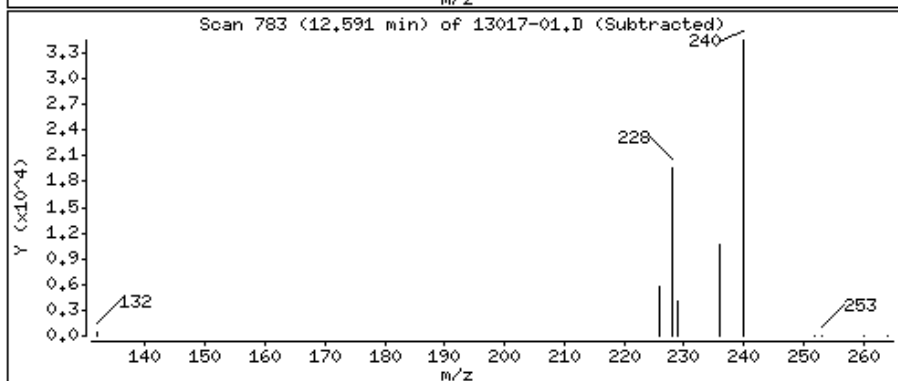
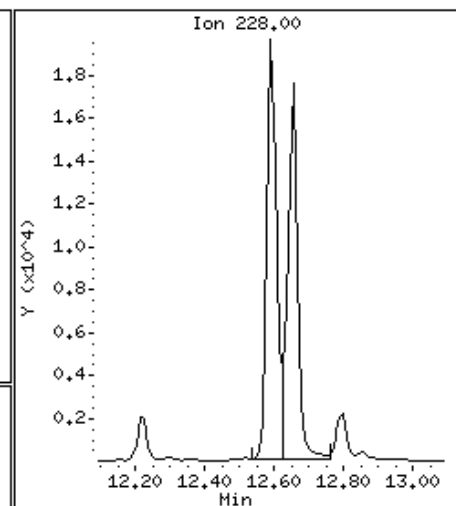
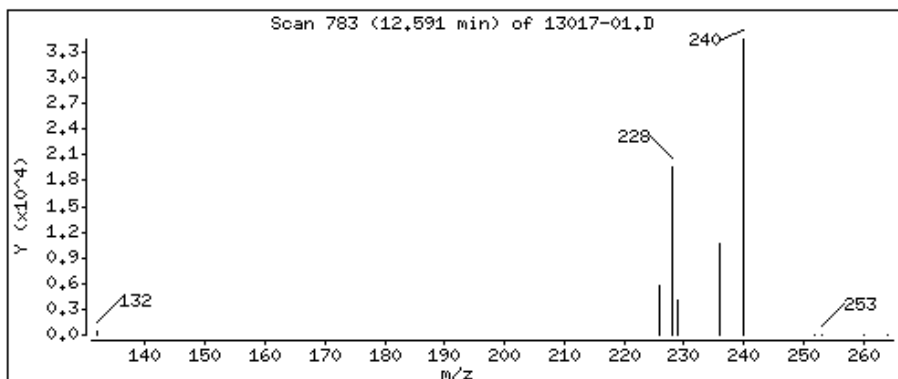
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

27 Benzo(a)anthracene

Concentration: 0.376 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork.i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

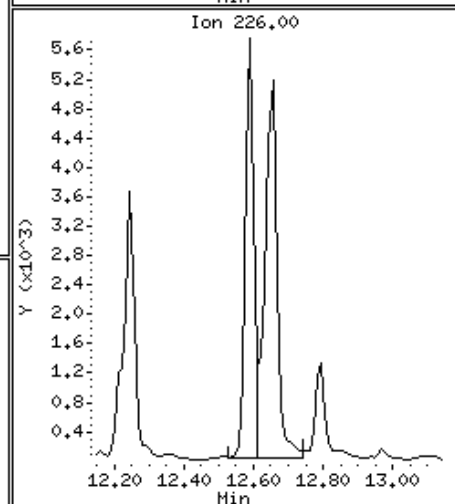
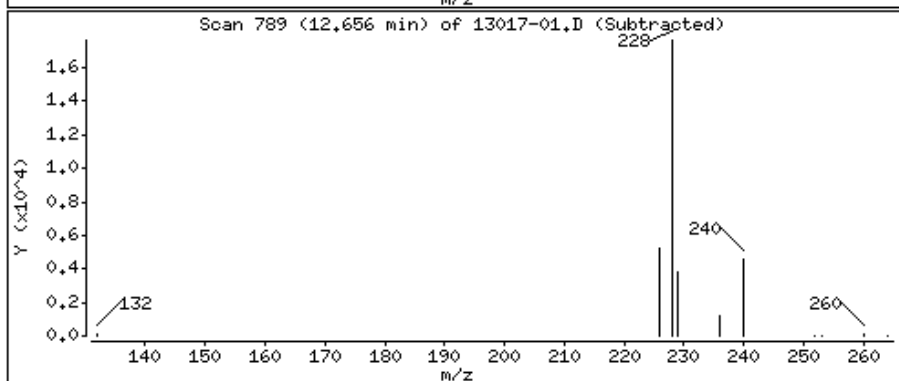
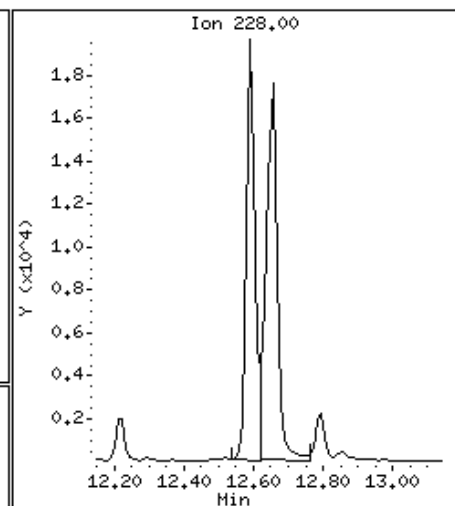
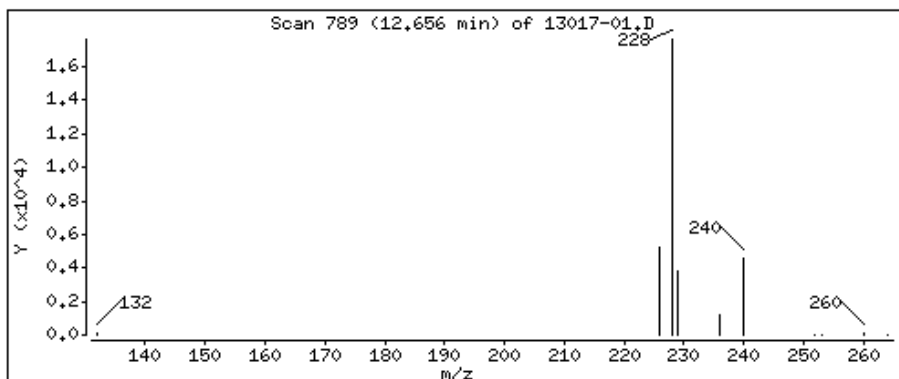
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

29 Chrysene

Concentration: 0.330 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork.i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

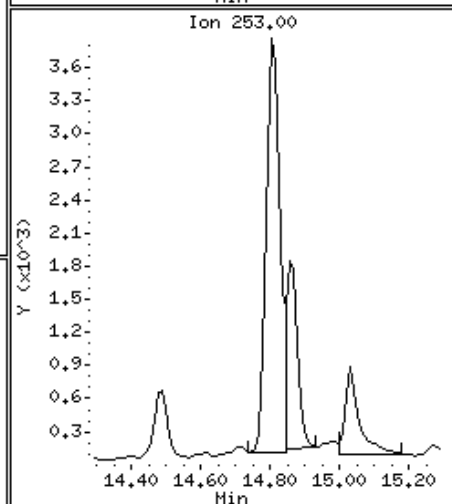
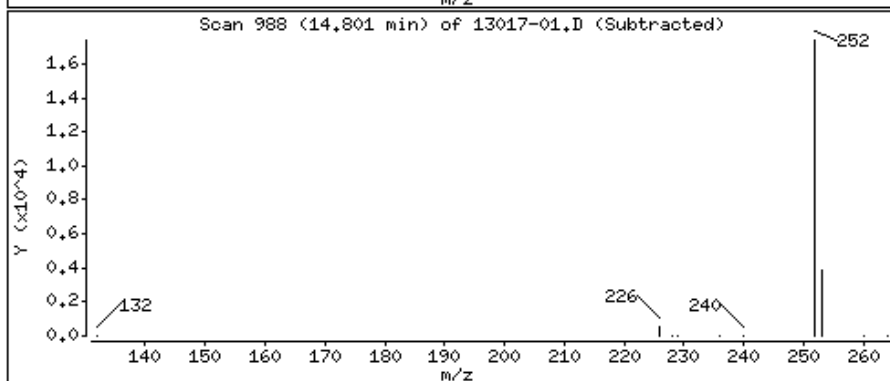
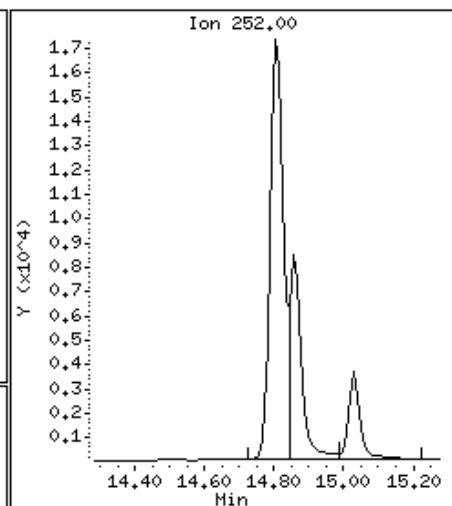
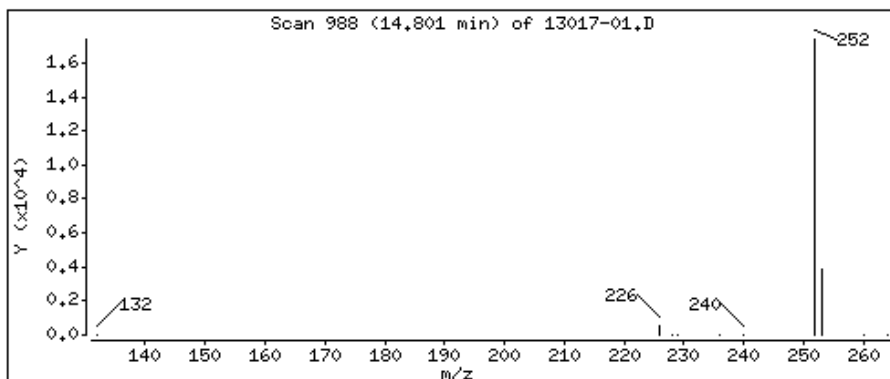
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

30 Benzo(b)fluoranthene

Concentration: 0.621 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork.i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

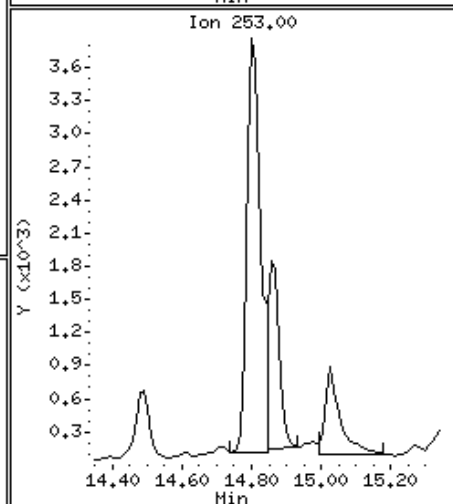
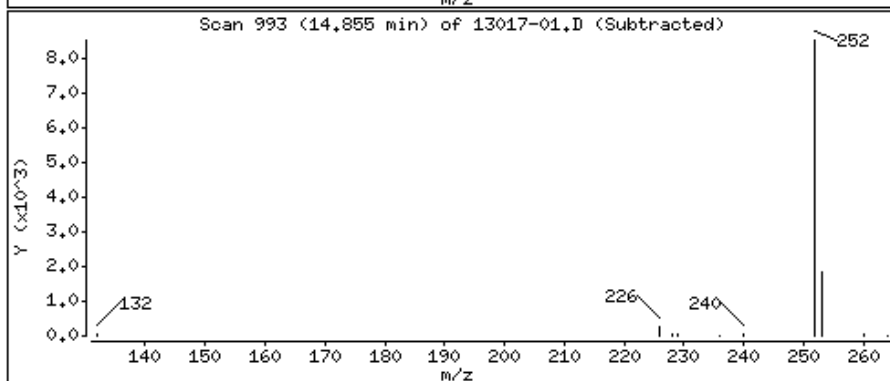
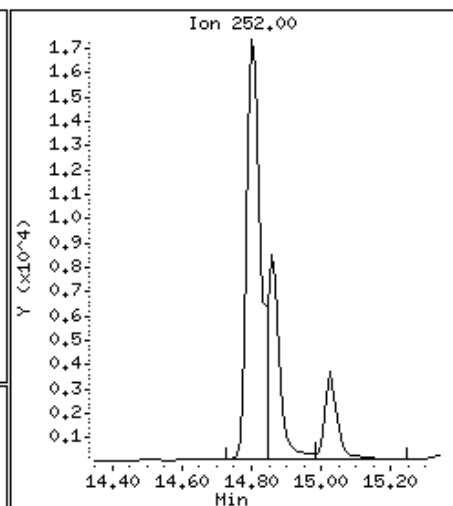
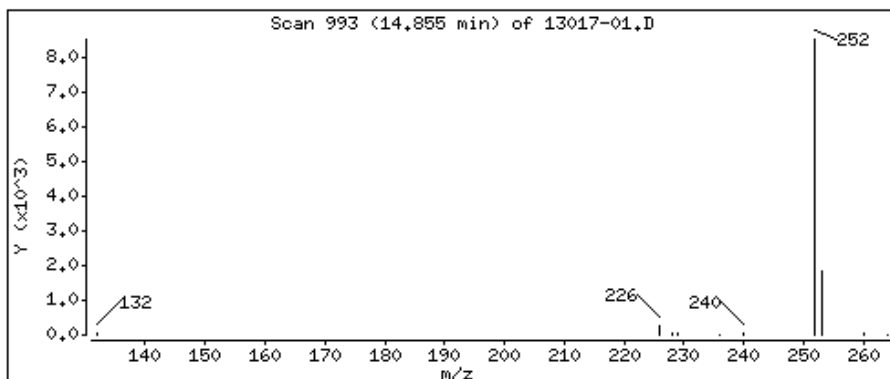
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

31 Benzo(k)fluoranthene

Concentration: 0.199 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

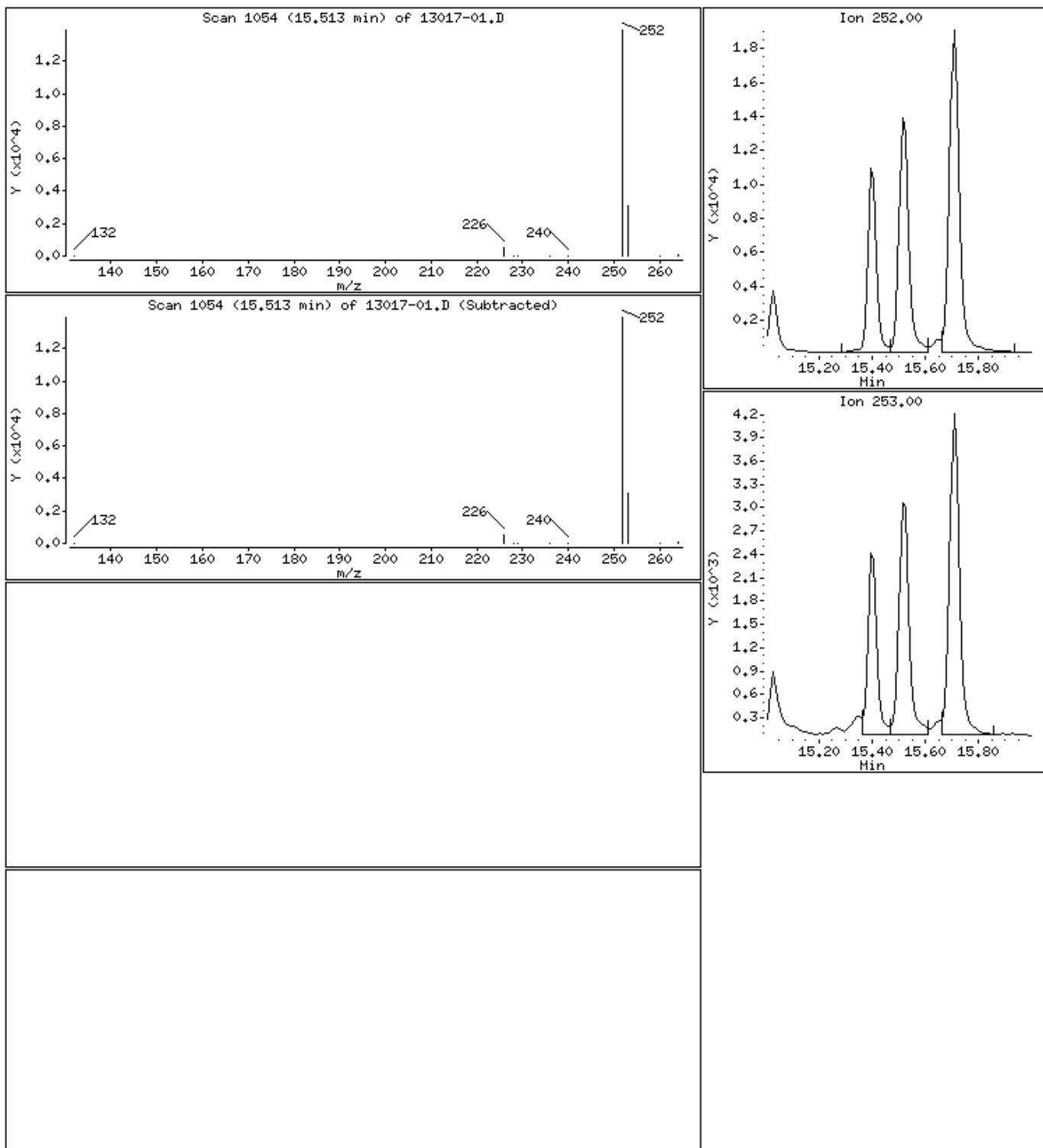
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

33 Benzo(a)pyrene

Concentration: 0.450 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

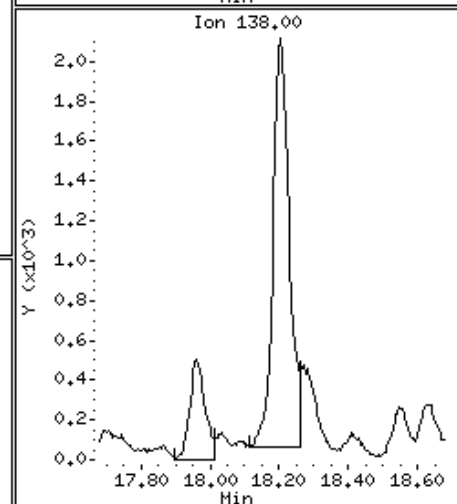
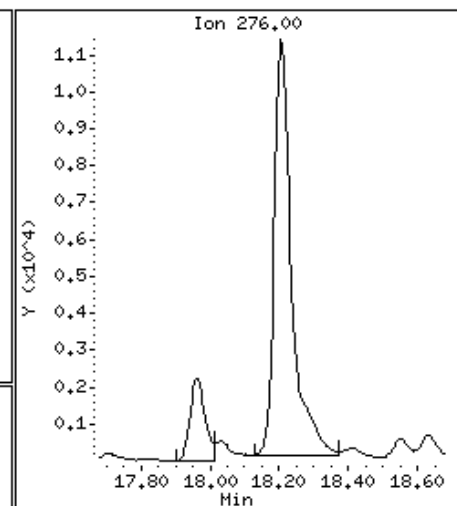
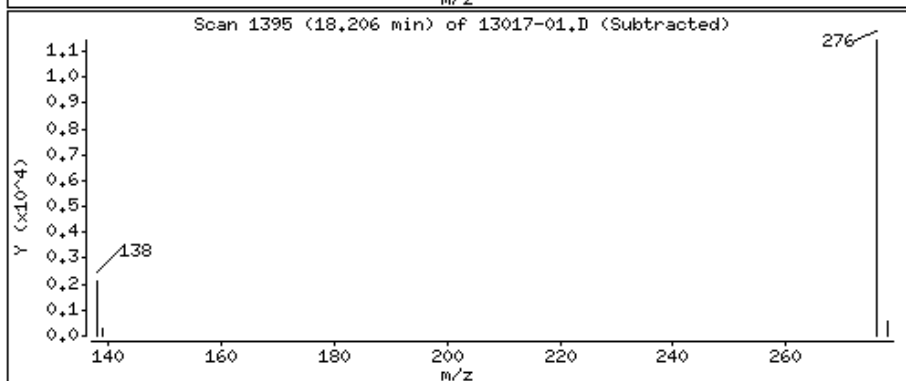
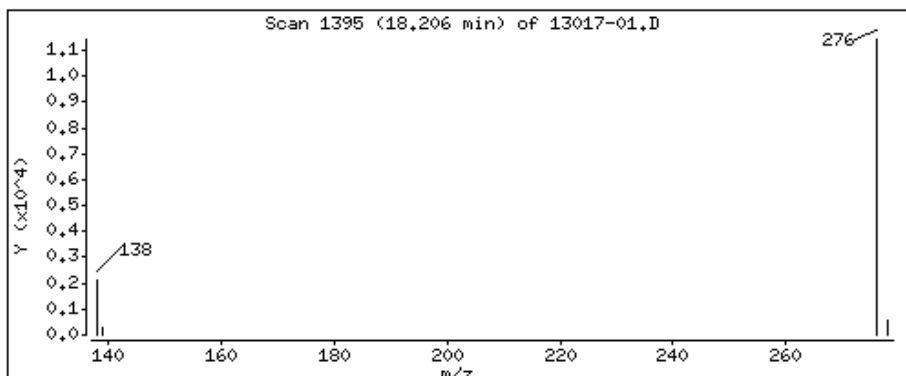
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

36 Indeno(1,2,3-cd)pyrene

Concentration: 0.537 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

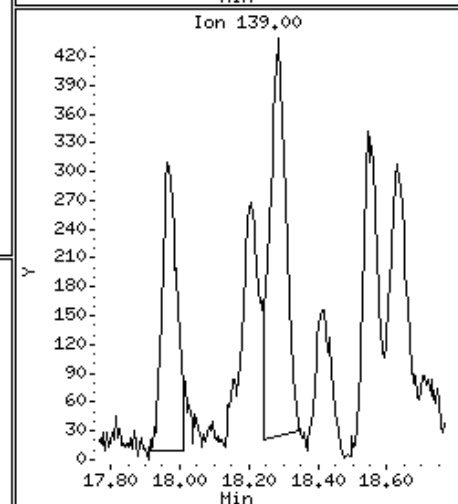
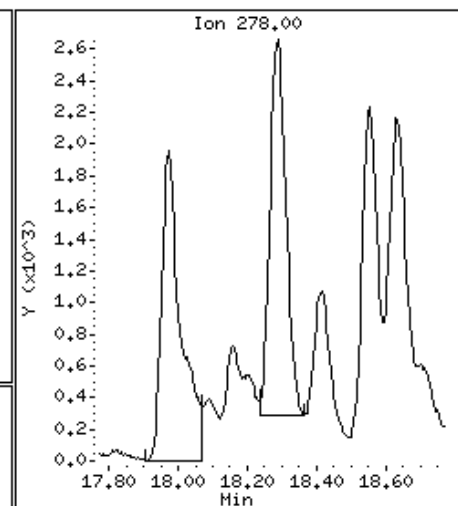
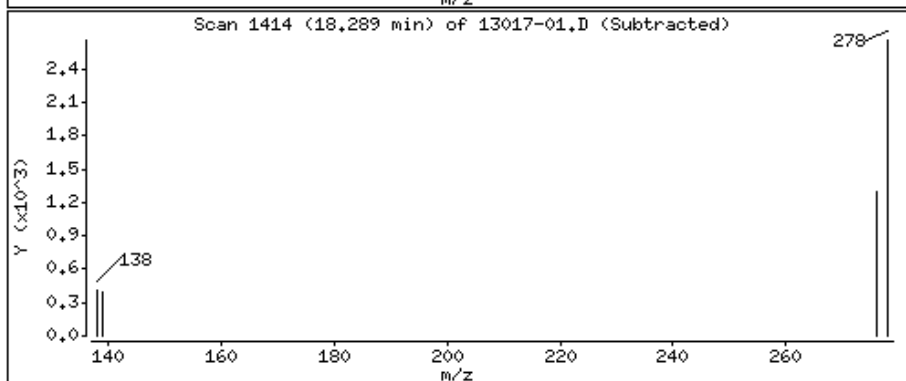
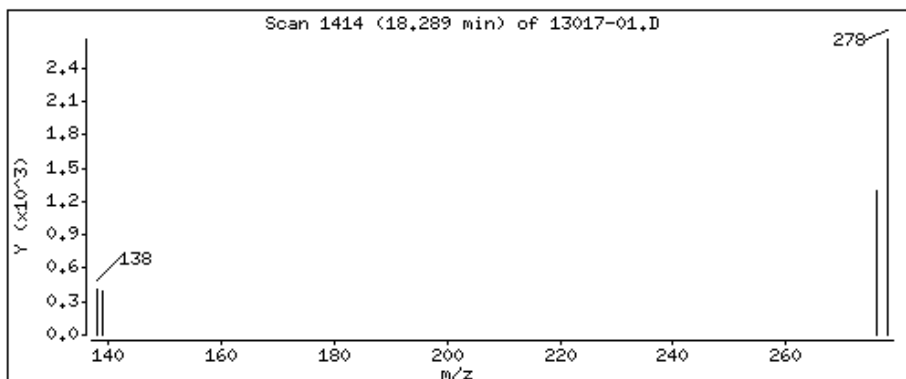
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

37 Dibenzo(a,h)anthracene

Concentration: 0.183 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01p,32,nytol,rr,h1

Purge Volume: 1000.0

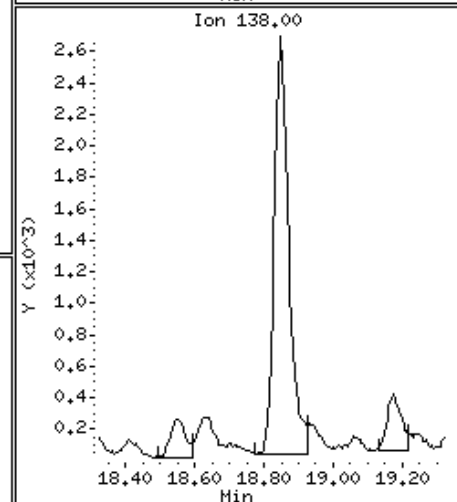
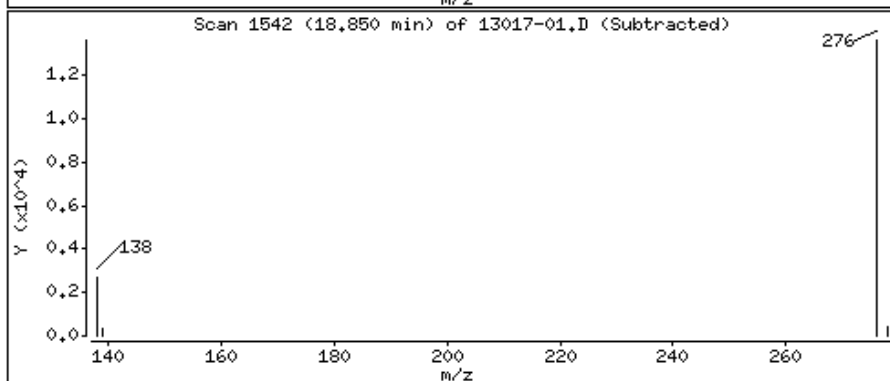
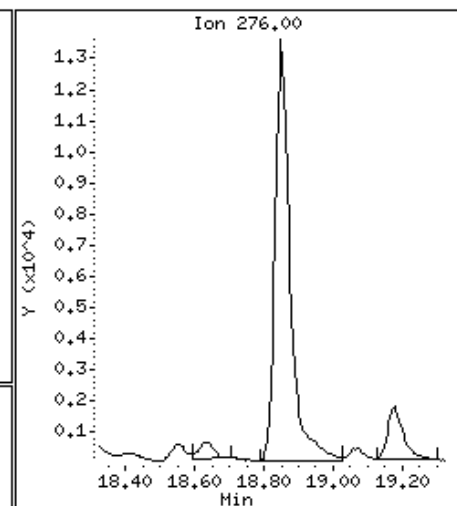
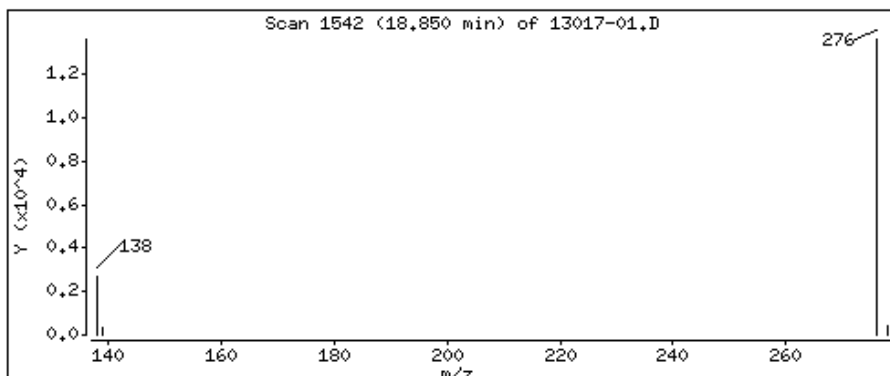
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

38 Benzo(ghi)perylene

Concentration: 0.388 ng



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827.b\13017-01.D

Lab Smp Id:

Inj Date : 27-AUG-2010 15:48

Operator : hl

Inst ID: Mork.i

Smp Info : l1013017-01,32,nytc1,rr,hl

Misc Info : wg429559,wg429160,ICAL5275

Comment : Splitless Injection - Aug 24th 2009 edits.

Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827.b\mcp30s2.m

Meth Date : 28-Aug-2010 08:17 hlac

Quant Type: ISTD

Cal Date : 21-AUG-2010 16:20

Cal File: siml6.D

Als bottle: 12

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: 8270nj-ny.sub

Target Version: 4.12

Processing Host: EXT-6

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

		QUANT SIG	CONCENTRATIONS						
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ng)	REVIEW CODE
=====		=====	=====	=====	=====	=====	=====	=====	=====
\$	1 2-Fluorophenol	112	3.867	3.853	(0.769)	430299	11.1199	11.1	
\$	2 Phenol-d6	99	4.749	4.734	(0.944)	256845	6.59423	6.59	
*	3 1,4-Dichlorobenzene-d4	152	5.028	5.028	(1.000)	139073	4.00000	(M)	M1
	4 Hexachloroethane	117	Compound Not Detected.						
\$	5 Nitrobenzene-d5	82	5.546	5.560	(1.103)	557943	13.6754	13.7	
*	6 Naphthalene-d8	136	6.231	6.231	(1.000)	363461	4.00000		
	7 Naphthalene	128	6.249	6.248	(1.003)	6027	0.06142	0.0614(M)	M2
	8 Hexachlorobutadiene	225	Compound Not Detected.						
	9 2-Methylnaphthalene	142	6.915	6.917	(1.110)	2511	0.04345	0.0434	
\$	11 2-Fluorobiphenyl	172	7.293	7.295	(1.170)	1381494	18.4486	18.4	
	12 2-Chloronaphthalene	162	Compound Not Detected.						
	13 Acenaphthylene	152	Compound Not Detected.						
*	14 Acenaphthene-d10	164	7.936	7.938	(1.000)	216304	4.00000		
	15 Acenaphthene	153	7.964	7.966	(1.004)	2858	0.04540	0.0454(M)	M1
	16 Fluorene	166	8.474	8.474	(1.068)	4806	0.07587	0.0759	
\$	17 2,4,6-Tribromophenol	330	8.731	8.731	(1.100)	601291	45.7119	45.7(M)	M1
	18 Hexachlorobenzene	284	Compound Not Detected.						
	19 Pentachlorophenol	266	Compound Not Detected.						
*	20 Phenanthrene-d10	188	9.397	9.397	(1.000)	408243	4.00000		
	21 Phenanthrene	178	9.412	9.412	(1.002)	42659	0.42054	0.420	
	22 Anthracene	178	9.473	9.472	(1.008)	14393	0.12173	0.122	
	24 Fluoranthene	202	10.592	10.592	(1.127)	72882	0.64542	0.645	
	25 Pyrene	202	10.837	10.837	(1.153)	71081	0.58177	0.582	
\$	26 4-Terphenyl-d14	244	11.058	11.058	(1.177)	1009671	17.5491	17.5	
	27 Benzo(a)anthracene	228	12.590	12.590	(0.998)	35914	0.37574	0.376	
*	28 Chrysene-d12	240	12.612	12.611	(1.000)	368874	4.00000		
	29 Chrysene	228	12.655	12.644	(1.003)	36585	0.33051	0.330	
	30 Benzo(b)fluoranthene	252	14.801	14.779	(0.946)	49086	0.62072	0.621	

Compounds	QUANT SIG	CONCENTRATIONS							REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
31 Benzo(k)fluoranthene	252	14.855	14.843	(0.949)	20584	0.19895	0.199		
33 Benzo(a)pyrene	252	15.513	15.501	(0.991)	32944	0.44961	0.450		
* 34 Perylene-d12	264	15.653	15.641	(1.000)	346584	4.00000			
36 Indeno(1,2,3-cd)pyrene	276	18.205	18.178	(1.163)	40128	0.53661	0.537		
37 Dibenzo(a,h)anthracene	278	18.289	18.270	(1.168)	7732	0.18292	0.183		
38 Benzo(ghi)perylene	276	18.849	18.822	(1.204)	40854	0.38753	0.388		

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 27-AUG-2010
 Lab File ID: 13017-01.D Calibration Time: 07:31
 Lab Smp Id:
 Analysis Type: SV Level: LOW
 Quant Type: ISTD Sample Type: WATER
 Operator: hl
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827.b\mcp30s2.m
 Misc Info: wg429559,wg429160,ICAL5275

Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	133654	66827	267308	139073	4.05
6 Naphthalene-d8	355237	177619	710474	363461	2.32
14 Acenaphthene-d10	195023	97512	390046	216304	10.91
20 Phenanthrene-d10	380823	190412	761646	408243	7.20
28 Chrysene-d12	378006	189003	756012	368874	-2.42
34 Perylene-d12	357340	178670	714680	346584	-3.01

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	0.01
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.01
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	-0.02
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.61	12.11	13.11	12.61	0.01
34 Perylene-d12	15.64	15.14	16.14	15.65	0.07

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa01132
 Sample Matrix: LIQUID Fraction: SV
 Lab Smp Id:
 Level: LOW Operator: hl
 Data Type: MS DATA SampleType: SAMPLE
 SpikeList File: pahtclspks10.spk Quant Type: ISTD
 Sublist File: 8270nj-ny.sub
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827.b\mcp30s2.m
 Misc Info: wg429559,wg429160,ICAL5275

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2-Fluorophenol	50.0	11.1	22.24	21-120
\$ 2 Phenol-d6	50.0	6.59	13.19	10-120
\$ 5 Nitrobenzene-d5	25.0	13.7	54.70	23-120
\$ 11 2-Fluorobiphenyl	25.0	18.4	73.79	15-120
\$ 17 2,4,6-Tribromophen	50.0	45.7	91.42	10-120
\$ 26 4-Terphenyl-d14	25.0	17.5	70.20	33-120

Date : 27-AUG-2010 15:48

Client ID:

Sample Info: 11013017-01,32,ngtol,rr,h1

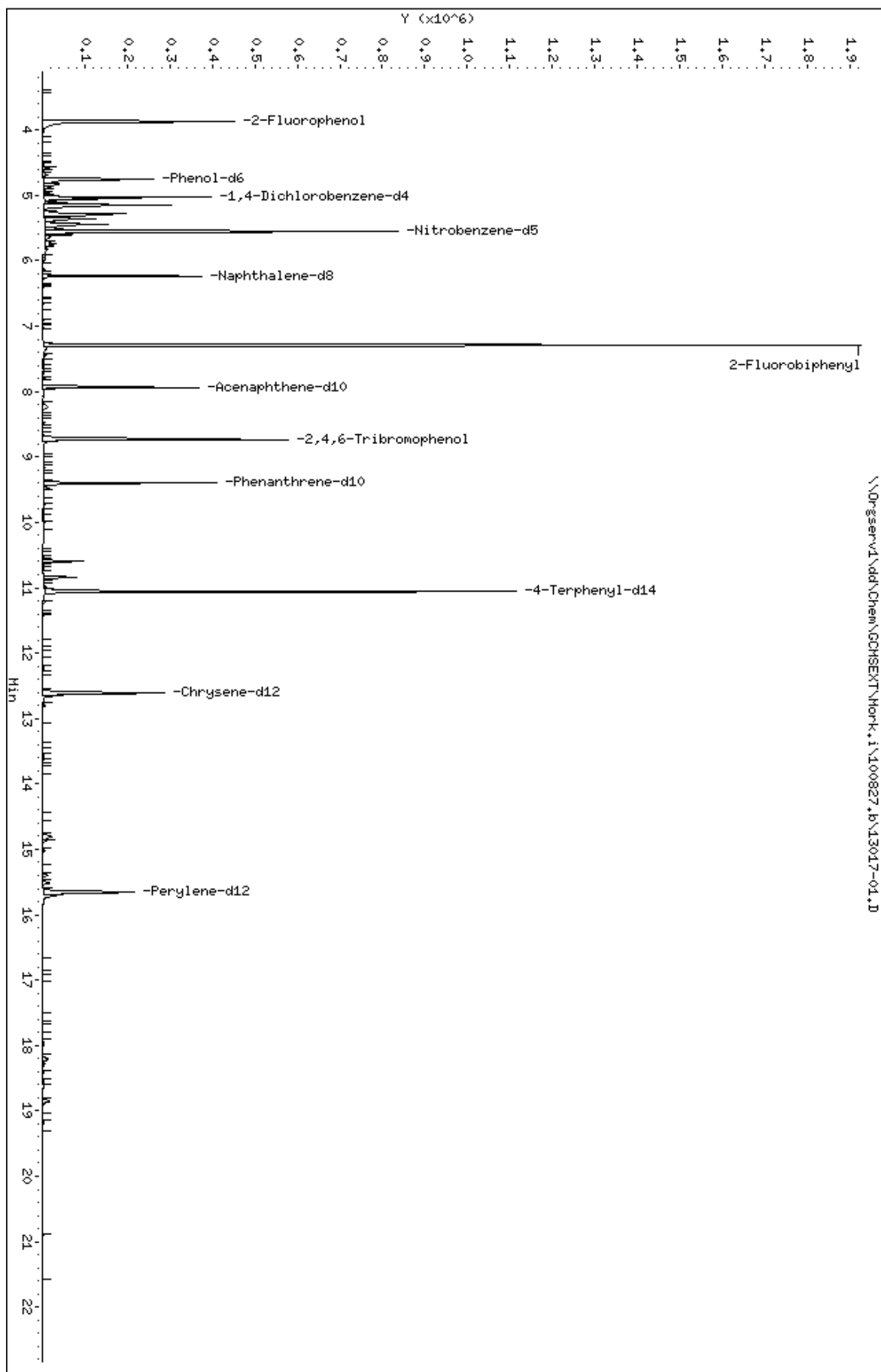
Purge Volume: 1000.0

Column phase: RTX-5

Instrument: Hork,i

Operator: h1

Column diameter: 0.32



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01,32,ngtol,rr,h1

Purge Volume: 1000.0

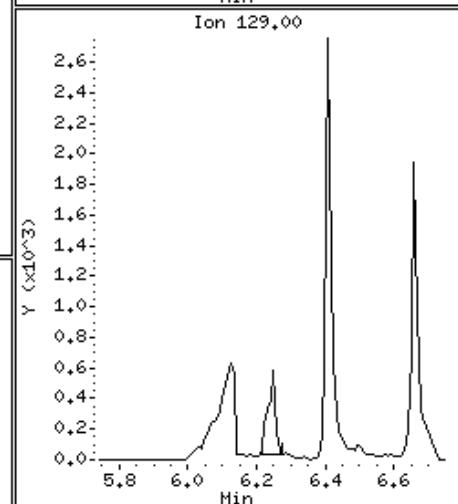
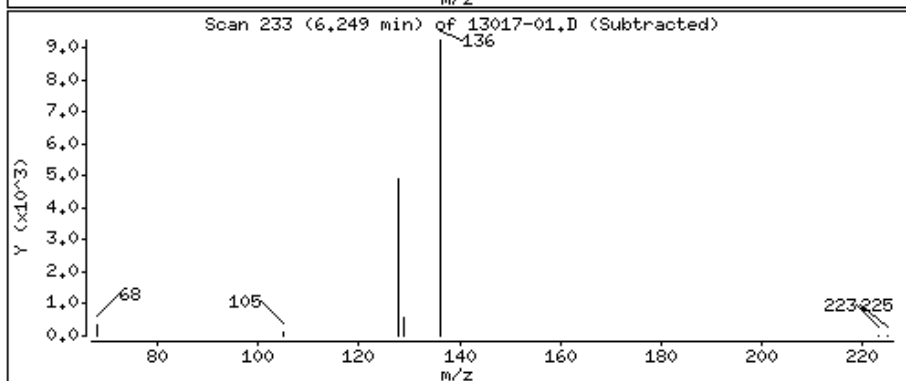
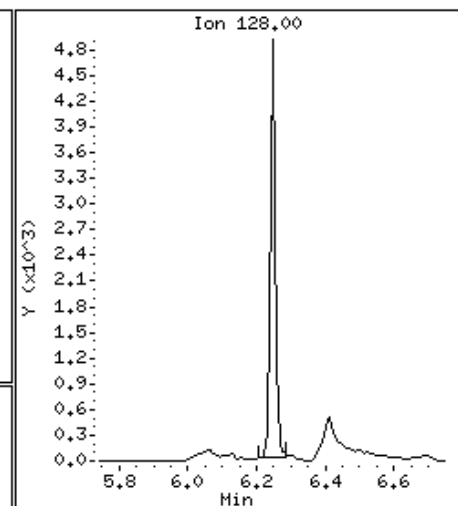
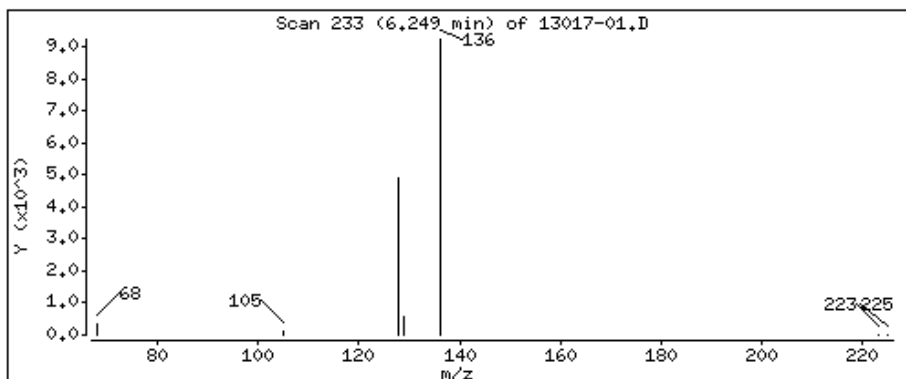
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

7 Naphthalene

Concentration: 0.0614 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01,32,nytol,rr,h1

Purge Volume: 1000.0

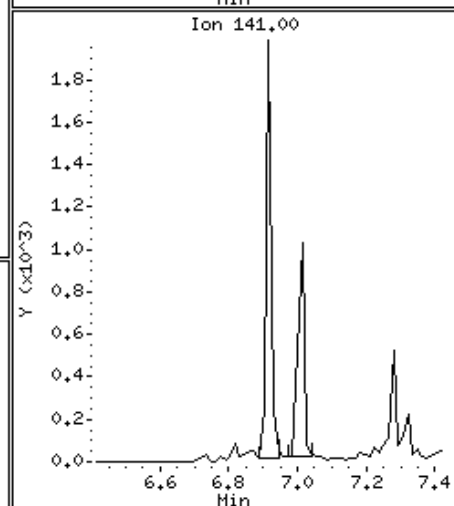
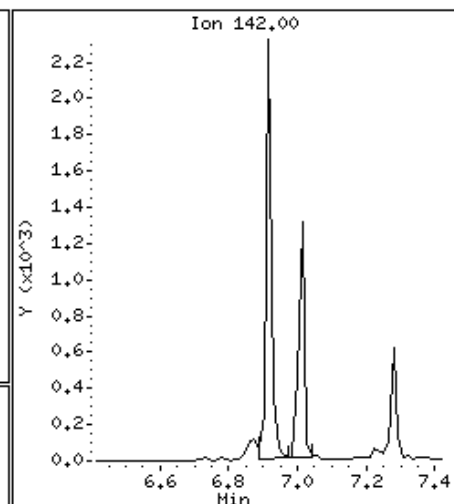
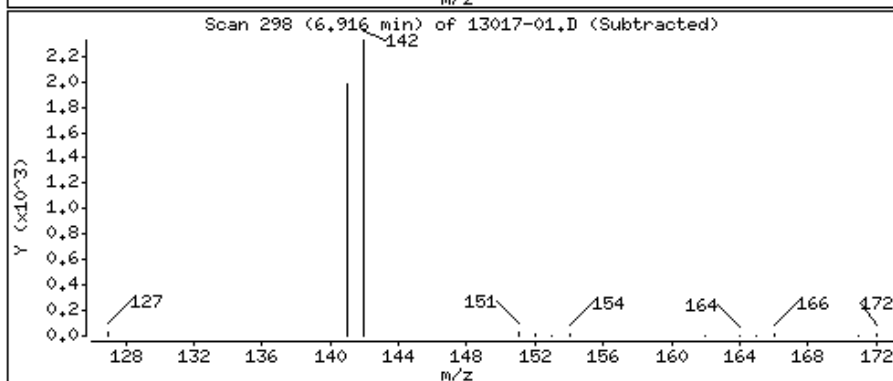
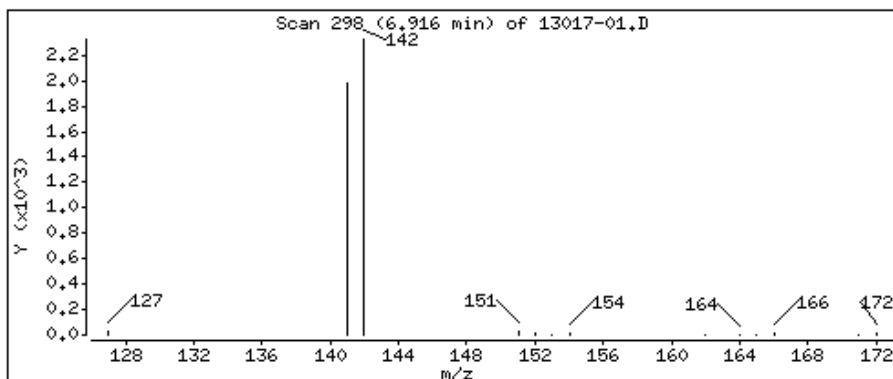
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

9 2-Methylnaphthalene

Concentration: 0.0434 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01,32,nytol,rr,h1

Purge Volume: 1000.0

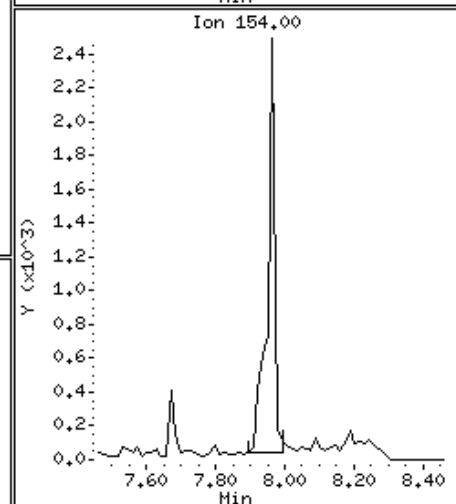
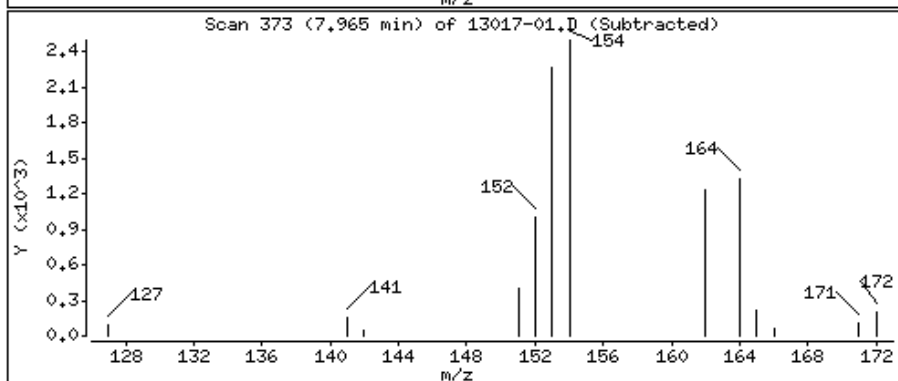
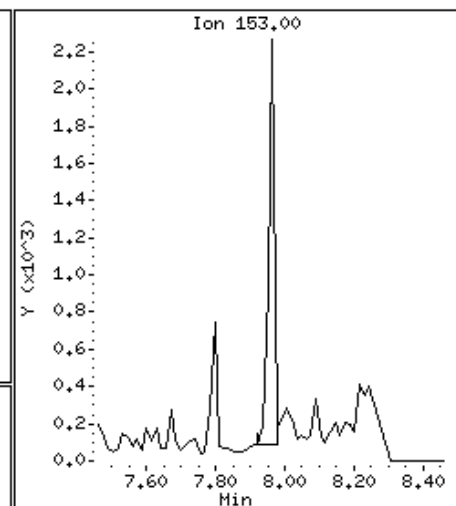
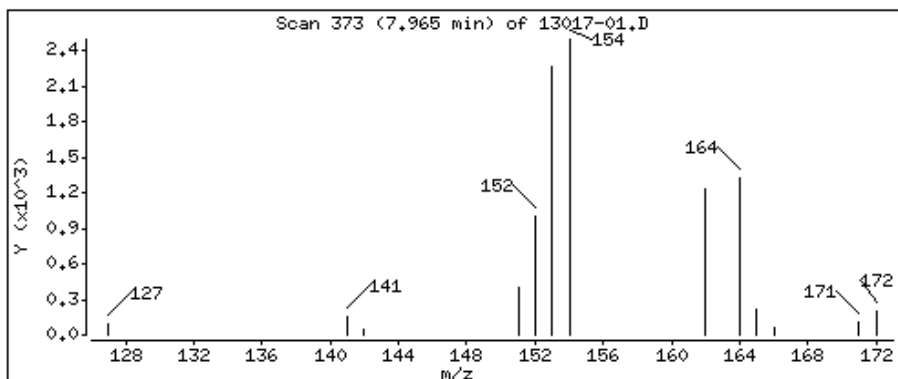
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

15 Acenaphthene

Concentration: 0.0454 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01,32,ngtol,rr,h1

Purge Volume: 1000.0

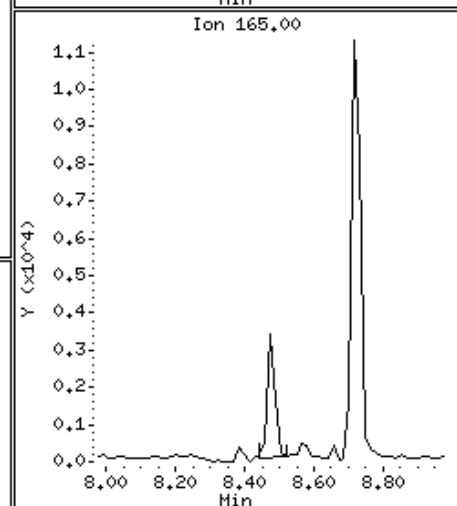
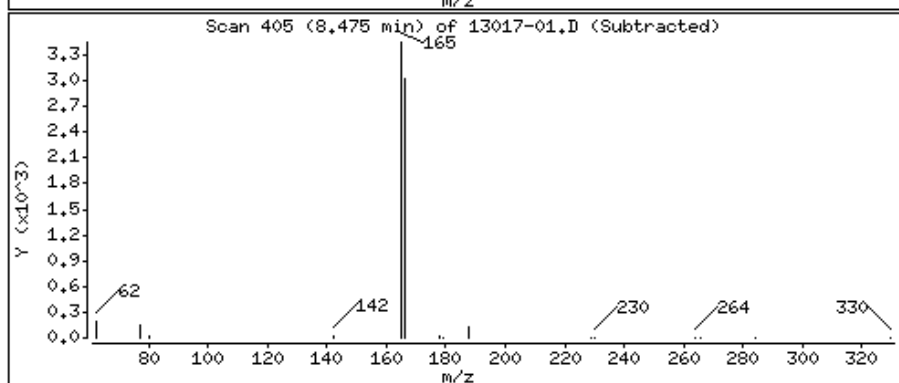
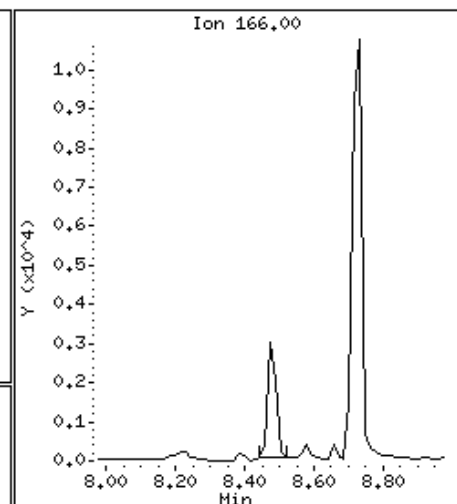
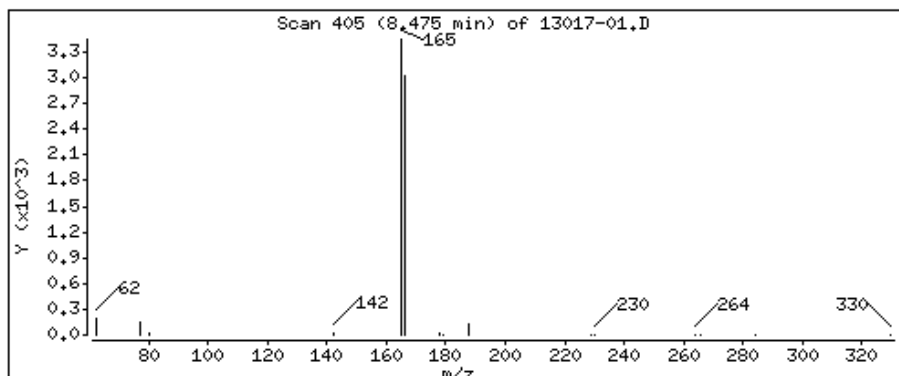
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

16 Fluorene

Concentration: 0.0759 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01,32,ngtol,rr,h1

Purge Volume: 1000.0

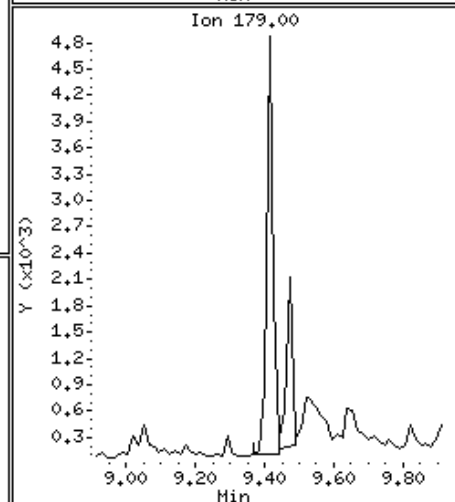
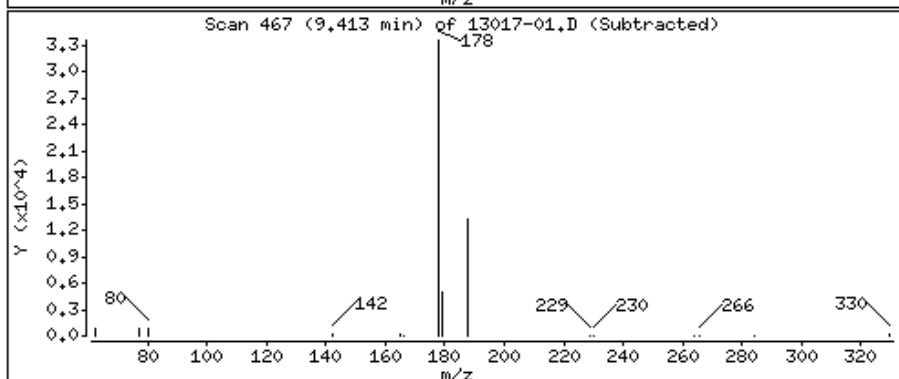
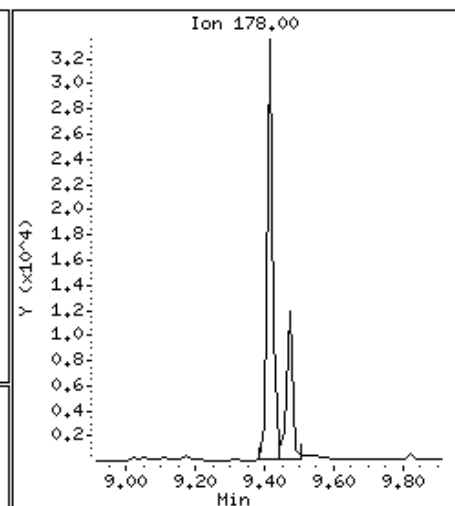
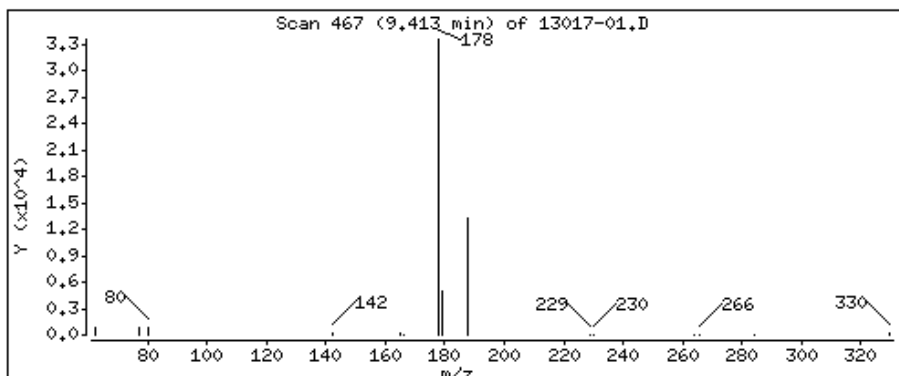
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

21 Phenanthrene

Concentration: 0.420 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01,32,ngtol,rr,h1

Purge Volume: 1000.0

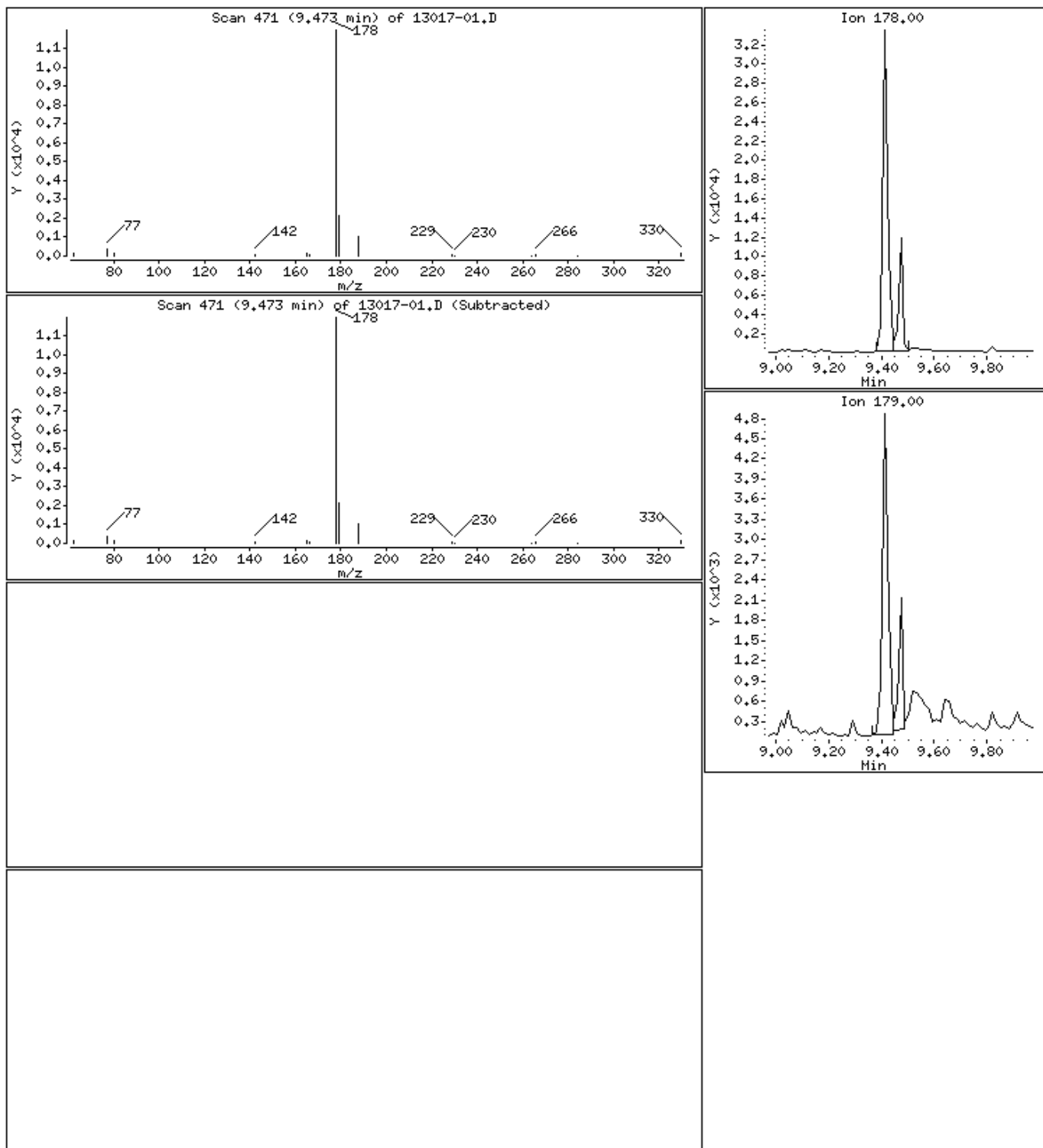
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

22 Anthracene

Concentration: 0.122 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork.i

Sample Info: 11013017-01,32,ngtol,rr,h1

Purge Volume: 1000.0

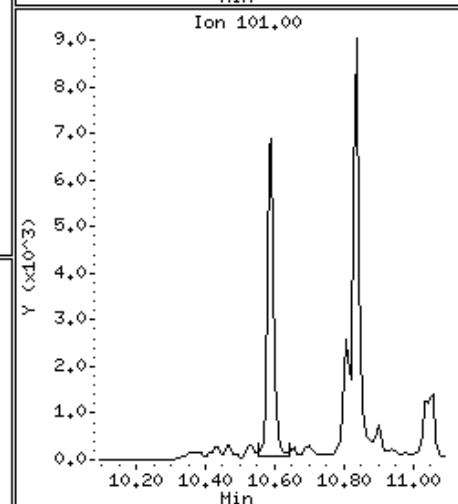
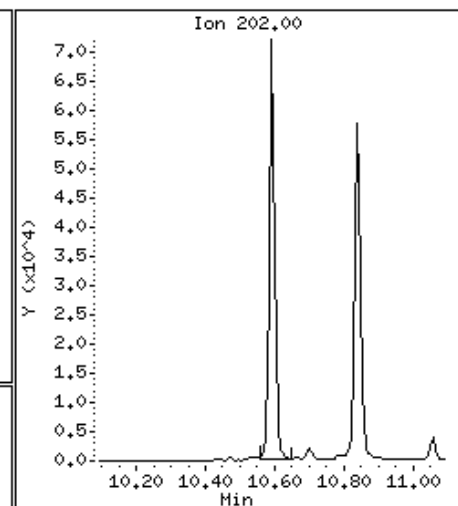
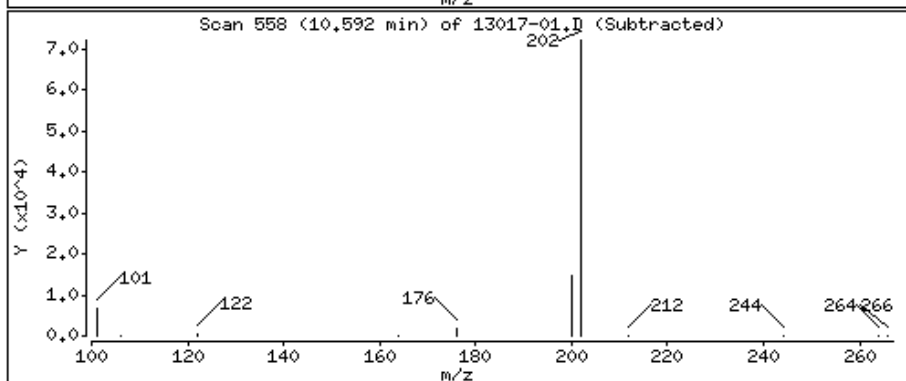
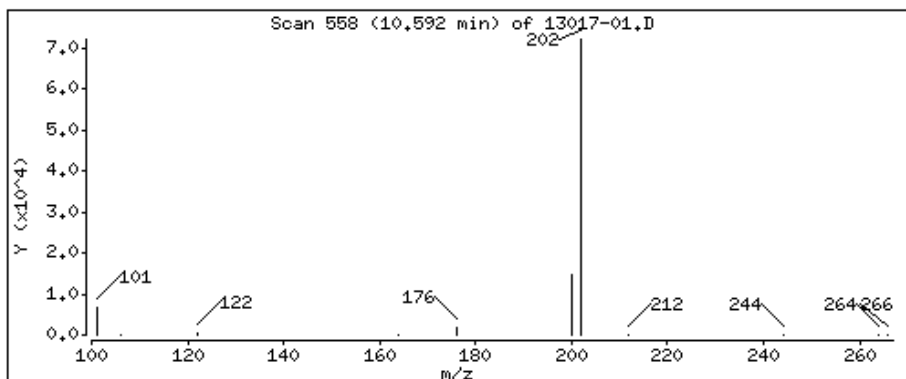
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

24 Fluoranthene

Concentration: 0.645 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork.i

Sample Info: 11013017-01,32,ngtol,rr,h1

Purge Volume: 1000.0

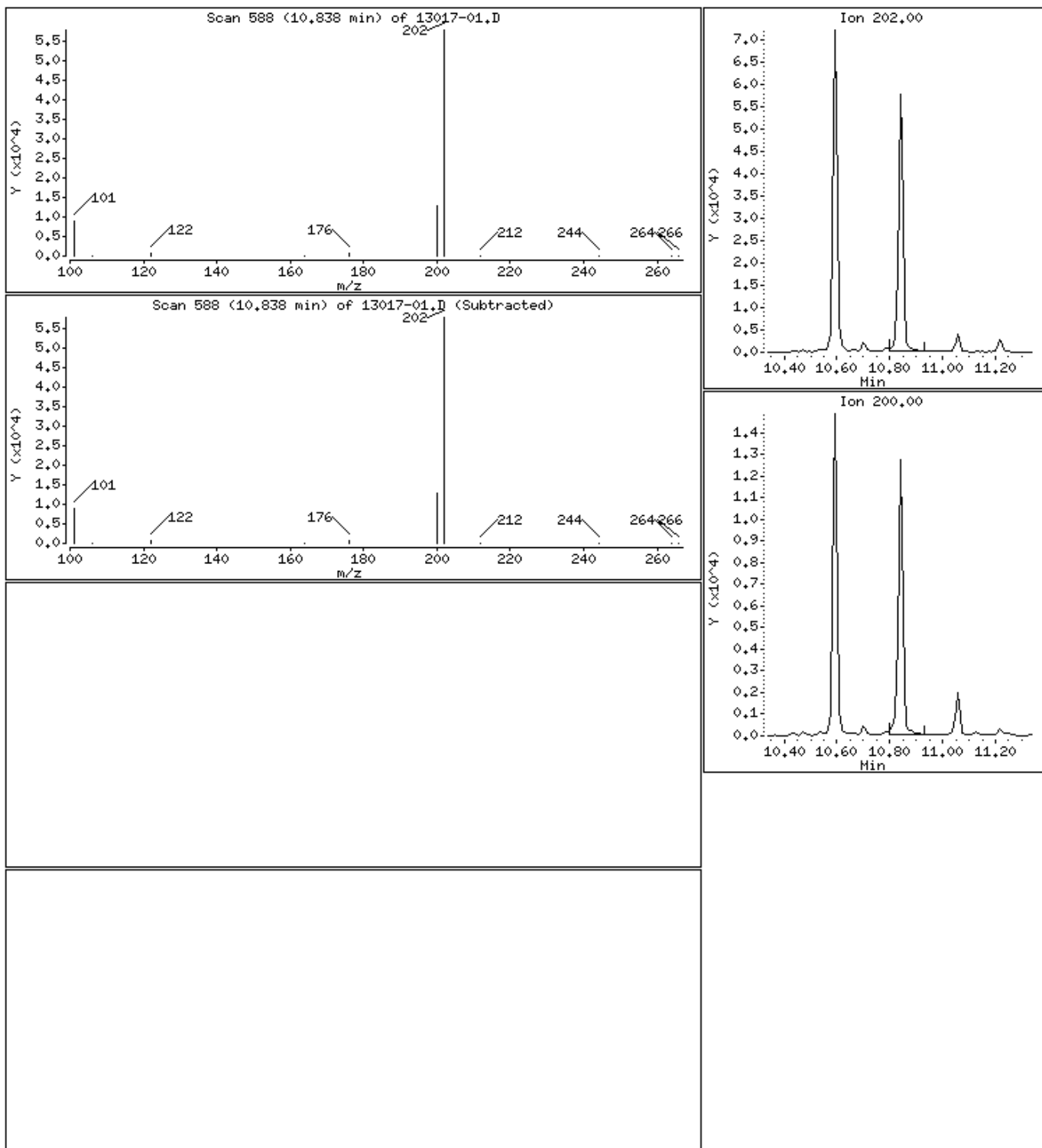
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

25 Pyrene

Concentration: 0.582 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork.i

Sample Info: 11013017-01,32,ngtol,rr,h1

Purge Volume: 1000.0

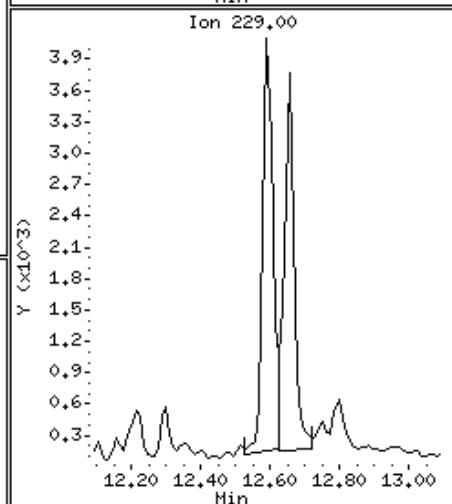
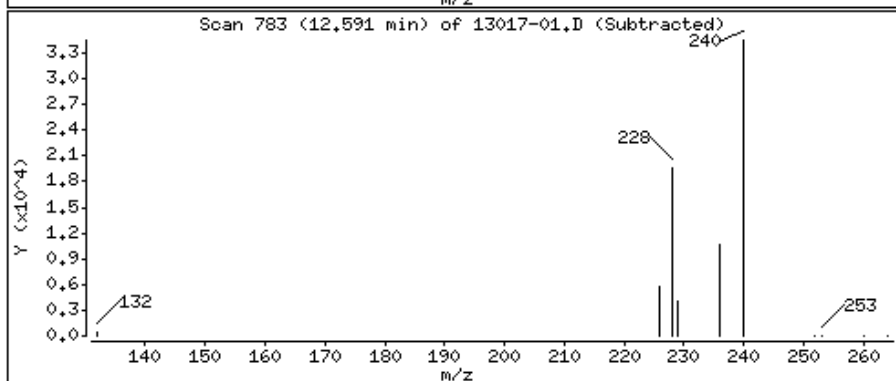
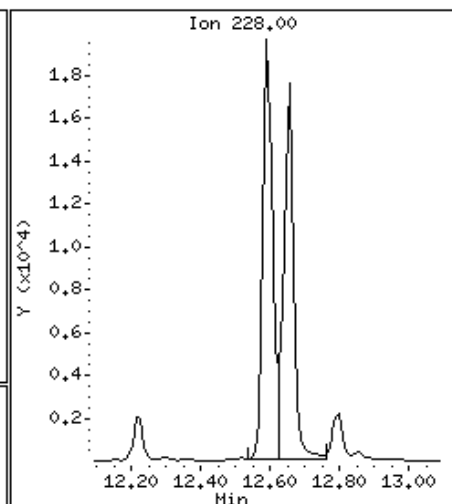
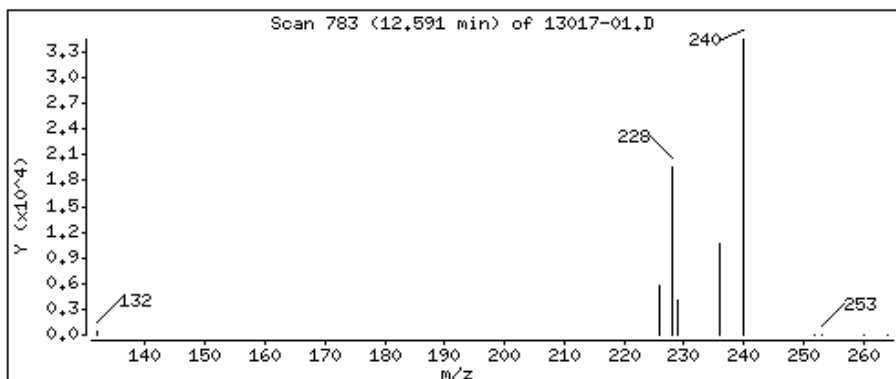
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

27 Benzo(a)anthracene

Concentration: 0.376 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01,32,ngtol,rr,h1

Purge Volume: 1000.0

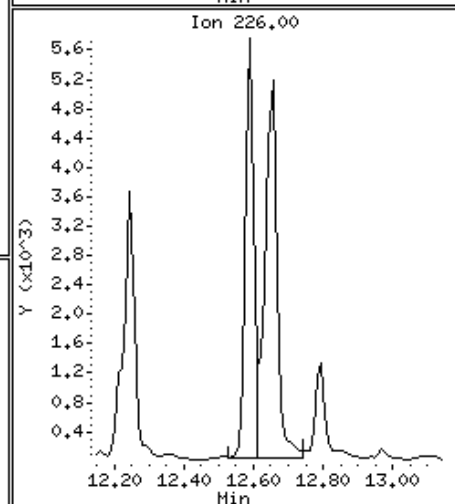
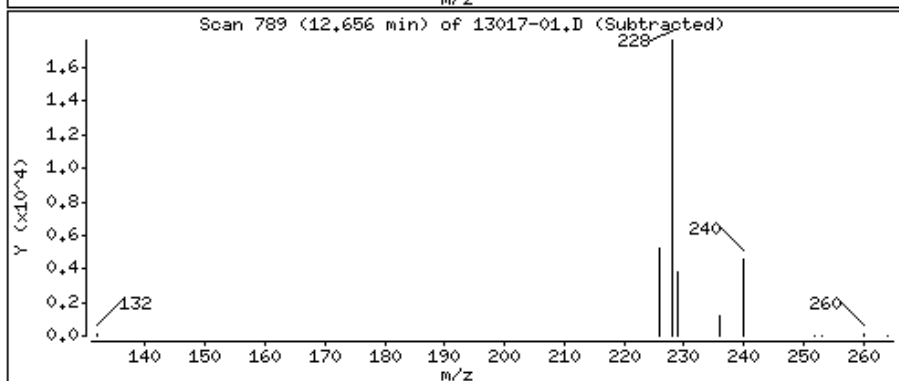
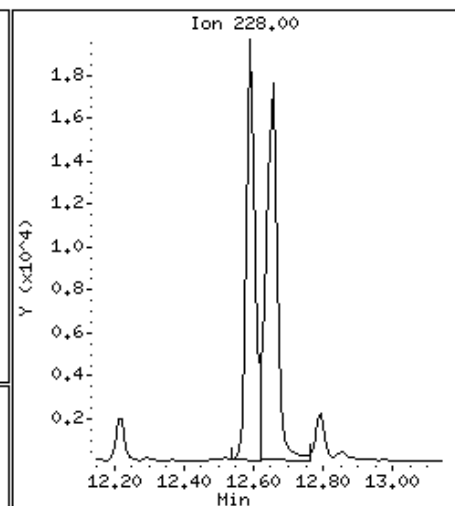
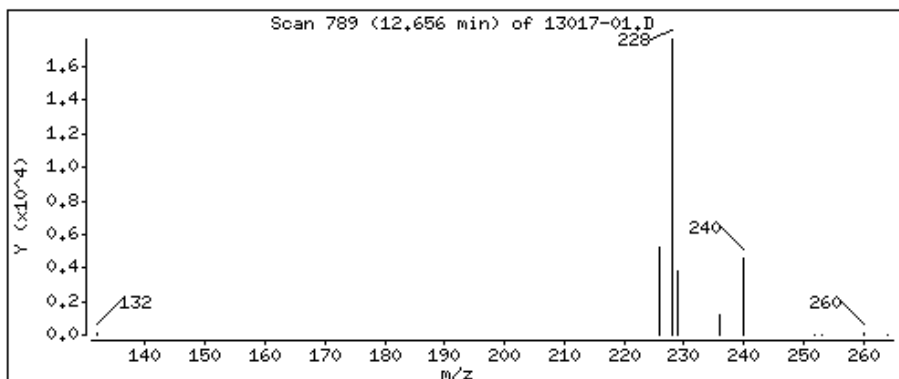
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

29 Chrysene

Concentration: 0.330 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork.i

Sample Info: 11013017-01,32,ngtol,rr,h1

Purge Volume: 1000.0

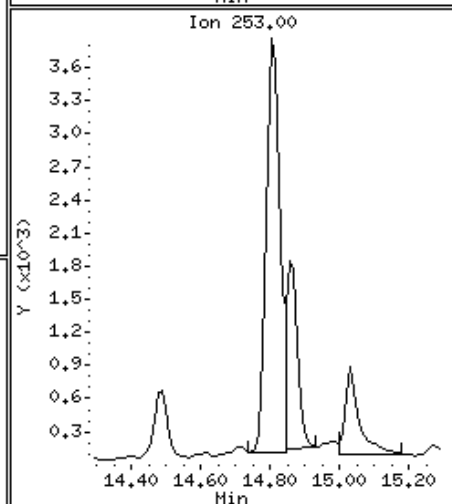
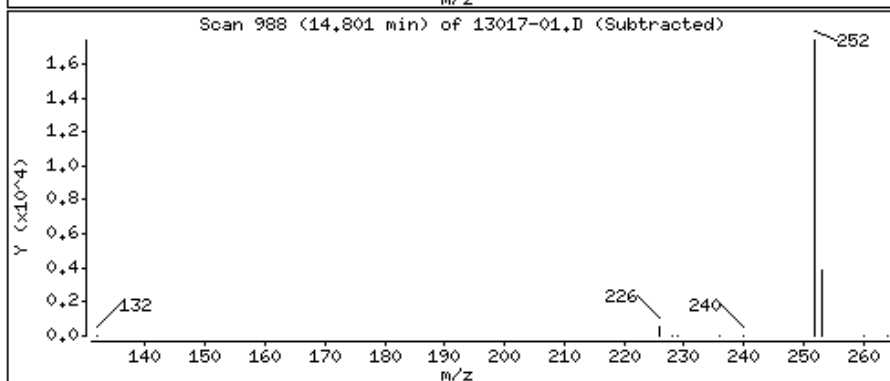
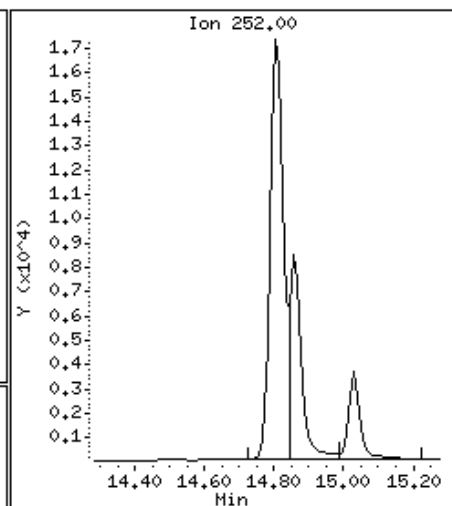
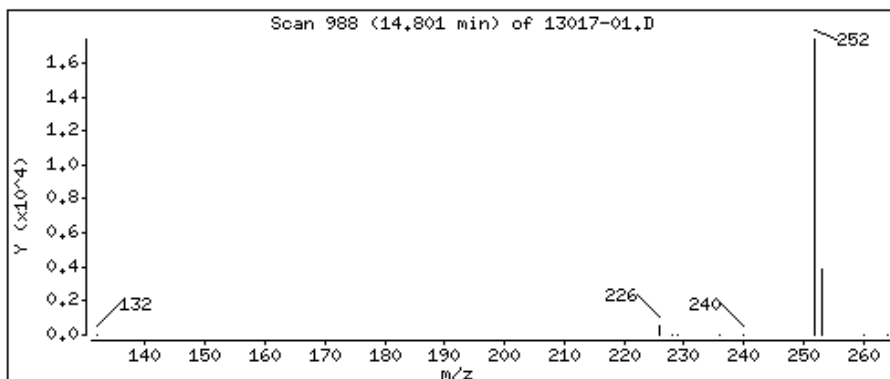
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

30 Benzo(b)fluoranthene

Concentration: 0.621 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork.i

Sample Info: 11013017-01,32,ngtol,rr,h1

Purge Volume: 1000.0

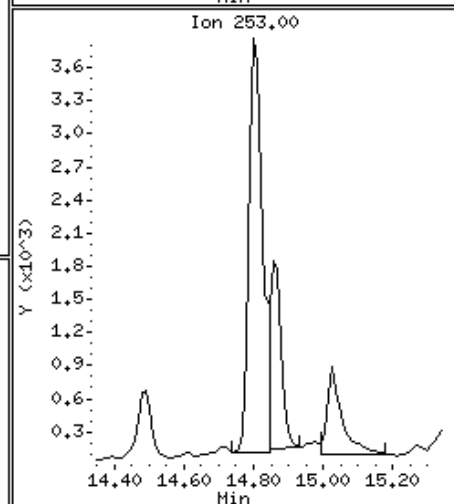
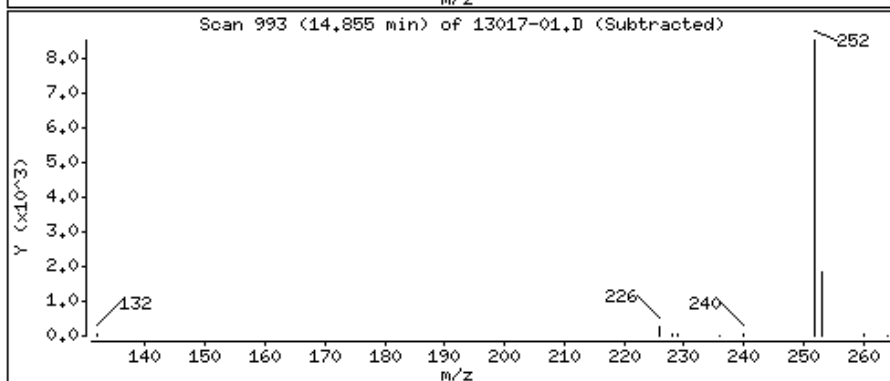
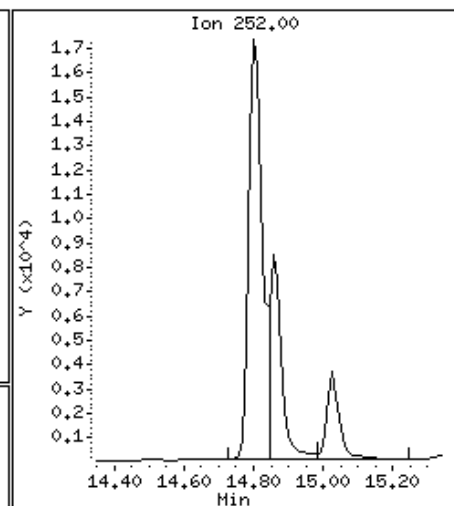
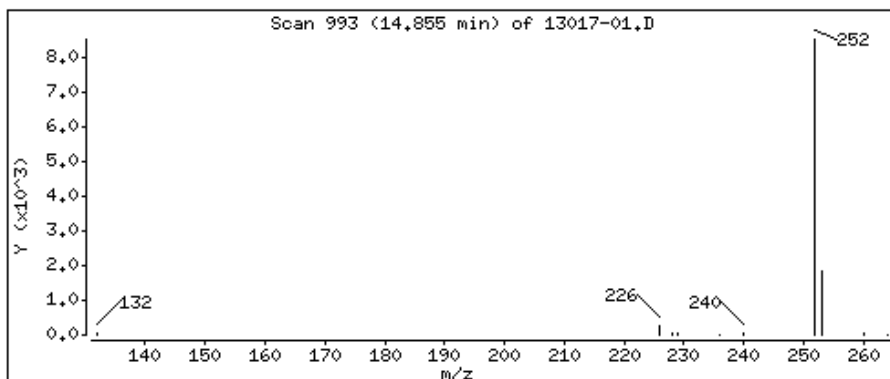
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

31 Benzo(k)fluoranthene

Concentration: 0.199 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01,32,ngtol,rr,h1

Purge Volume: 1000.0

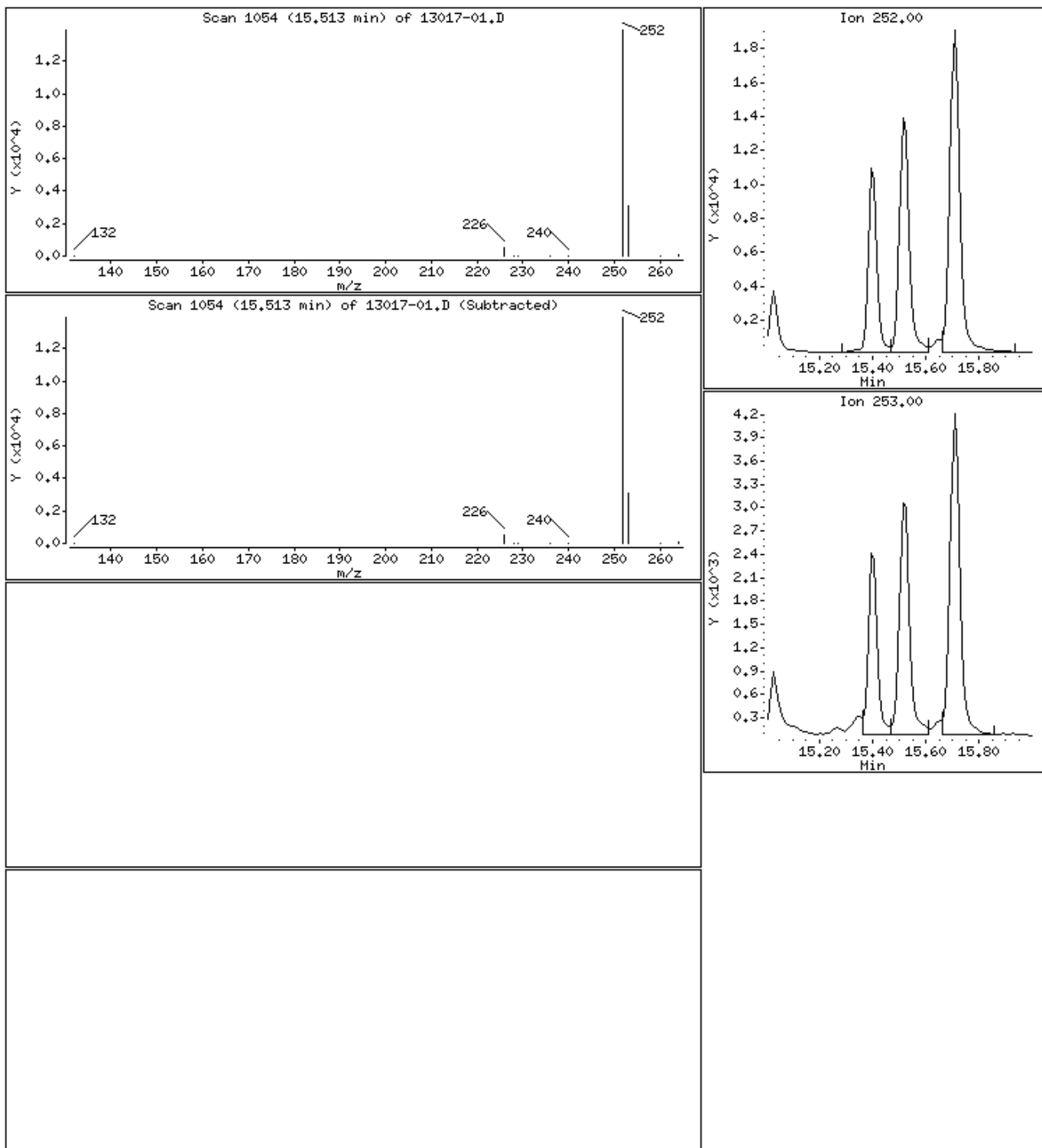
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

33 Benzo(a)pyrene

Concentration: 0.450 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01,32,ngtol,rr,h1

Purge Volume: 1000.0

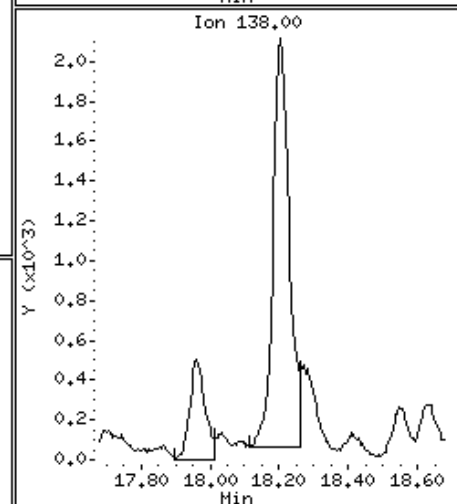
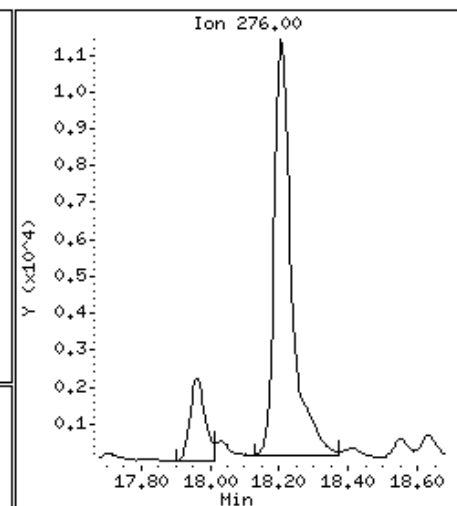
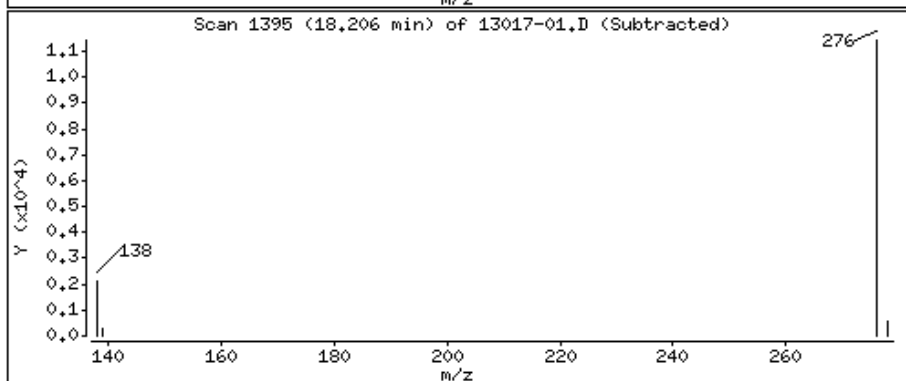
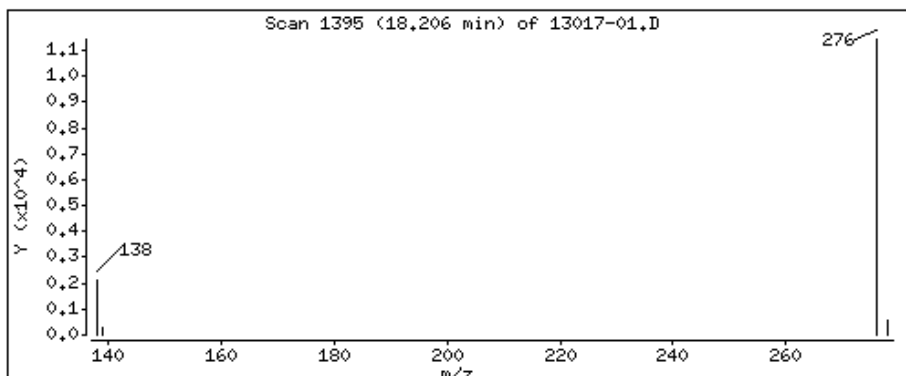
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

36 Indeno(1,2,3-cd)pyrene

Concentration: 0.537 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01,32,ngtol,rr,h1

Purge Volume: 1000.0

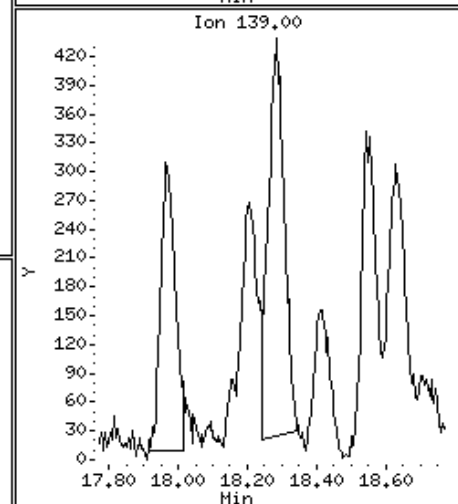
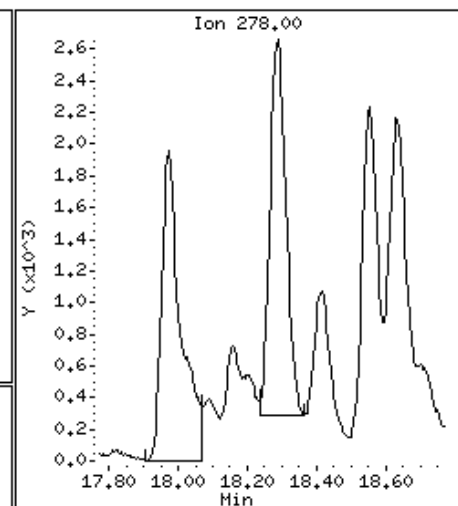
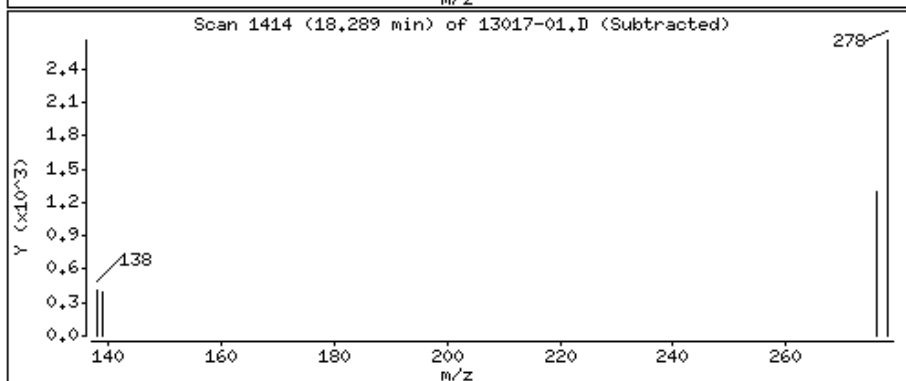
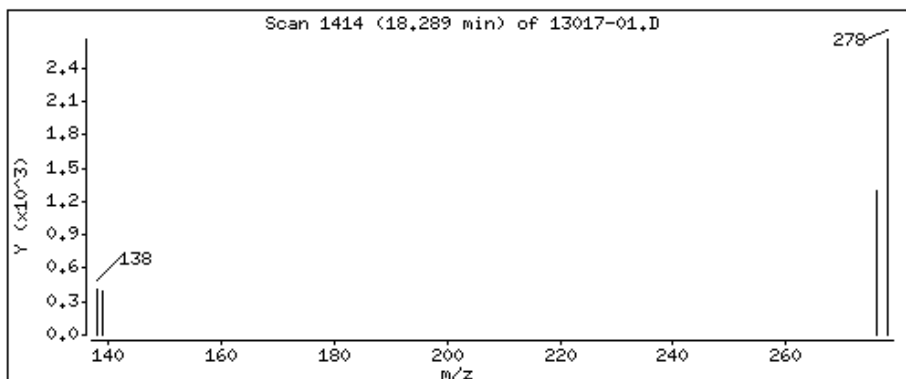
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

37 Dibenzo(a,h)anthracene

Concentration: 0.183 ng



Date : 27-AUG-2010 15:48

Client ID:

Instrument: Mork,i

Sample Info: 11013017-01,32,ngtol,rr,h1

Purge Volume: 1000.0

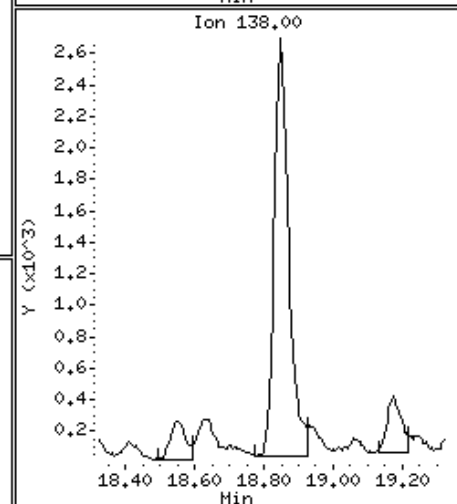
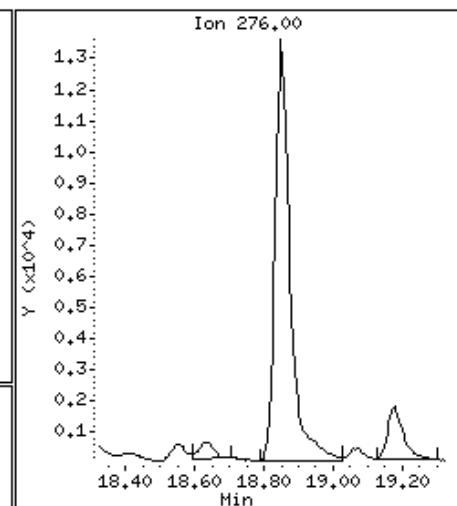
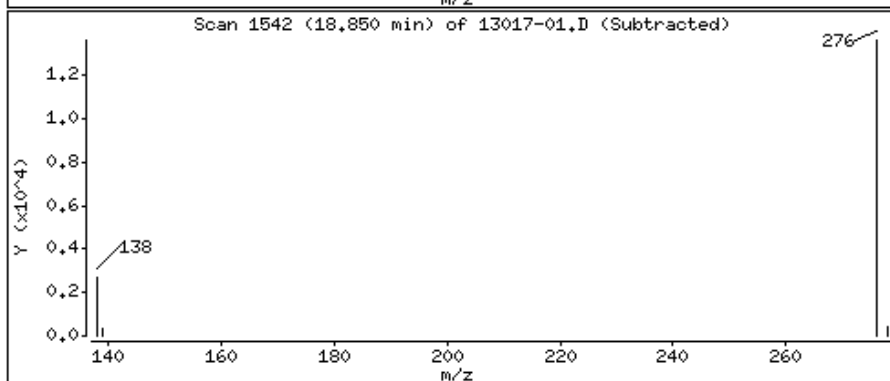
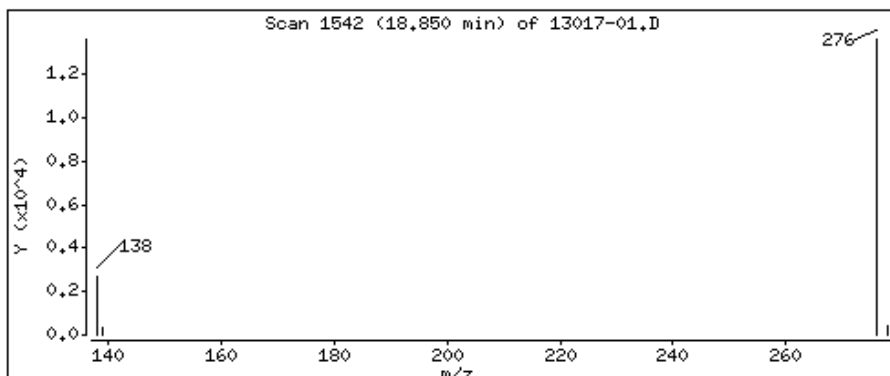
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

38 Benzo(ghi)perylene

Concentration: 0.388 ng



Semivolatiles Standards Data

Initial Calibration

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: MORK.I Calibration Date(s): 21-AUG-2010 21-AUG-2010

Calibration Times: 13:51 17:49

Calibration File Names:

Level 1: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml1.D
 Level 2: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml2.D
 Level 3: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml3.D
 Level 4: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml4.D
 Level 5: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml5.D
 Level 6: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml6.D
 Level 7: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml7.D
 Level 8: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml8.D
 Level 9: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml9.D

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	5.0000	10.0000	20.0000								
	Level 7	Level 8	Level 9								
4 Hexachloroethane	0.64809	0.60465	0.60234	0.55757	0.56880	0.62437					
	0.57917	0.58618	0.56018				AVRG		0.59237		5.13231
7 Naphthalene	1.08838	1.05701	1.04217	1.04697	1.08947	1.14798					
	1.11061	1.07737	1.05868				AVRG		1.07985		3.14547
8 Hexachlorobutadiene	0.22849	0.22888	0.22186	0.22467	0.23494	0.24307					
	0.24072	0.24528	0.23916				AVRG		0.23412		3.61535

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: MORK.I Calibration Date(s): 21-AUG-2010 21-AUG-2010

Calibration Times: 13:51 17:49

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	-----	-----	-----	-----	-----	-----					
	5.0000	10.0000	20.0000								
	Level 7	Level 8	Level 9								
=====											
9 2-Methylnaphthalene	0.57590	0.53776	0.53665	0.59617	0.60955	0.75517					
	0.75958	0.74500	0.60817				AVRG		0.63600		14.44809

10 1-Methylnaphthalene	0.74750	0.69584	0.70114	0.68930	0.74324	0.69642					
	0.66142	0.70040	0.67044				AVRG		0.70063		4.10924

12 2-Chloronaphthalene	0.70623	0.67925	0.65891	0.71056	0.72036	0.77976					
	0.74940	0.70738	0.79392				AVRG		0.72286		6.11992

13 Acenaphthylene	0.93892	0.89482	0.87399	0.87806	0.99850	0.96818					
	0.97268	1.03193	1.18237				AVRG		0.97105		9.90695

15 Acenaphthene	1.25144	1.13404	1.16162	1.12706	1.14254	1.16282					
	1.20881	1.24973	1.03936				AVRG		1.16416		5.70341

16 Fluorene	1.36810	1.26145	1.30708	1.23416	1.03212	1.03637					
	1.10090	1.03833	1.16462				AVRG		1.17146		10.86098

18 Hexachlorobenzene	0.30089	0.27333	0.28838	0.29547	0.30156	0.32102					
	0.34054	0.31244	0.24415				AVRG		0.29753		9.33774

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: MORK.I Calibration Date(s): 21-AUG-2010 21-AUG-2010

Calibration Times: 13:51 17:49

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	-----	-----	-----	-----	-----	-----					
	5.0000 Level 7	10.0000 Level 8	20.0000 Level 9								
19 Pentachlorophenol	1896	1283	1457	2958	6730	23688					
	57007	129903	292554				LINR	0.07853	0.15951		0.99642
21 Phenanthrene	0.99026	0.99079	0.89602	0.90858	0.99820	1.05836					
	1.13545	0.88614	1.08124				AVRG		0.99389		8.73767
22 Anthracene	1.35165	1.11616	1.23141	1.20670	1.24430	1.04375					
	1.00974	1.08004	1.14295				AVRG		1.15852		9.44545
24 Fluoranthene	1.07737	0.99978	0.99663	1.04264	1.18048	1.15925					
	1.20065	1.14141	1.15949				AVRG		1.10641		7.11202
25 Pyrene	1.14871	1.10316	1.10910	1.14342	1.26115	1.24435					
	1.31150	1.23483	1.21792				AVRG		1.19713		6.12946
27 Benzo(a)anthracene	1.16858	0.99125	0.93840	0.93826	1.00165	1.03467					
	1.07178	1.09468	1.08892				AVRG		1.03646		7.42373
29 Chrysene	1.31666	1.25673	1.20650	1.21261	1.23410	1.17754					
	1.16240	1.16274	1.07362				AVRG		1.20032		5.70166

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: MORK.I Calibration Date(s): 21-AUG-2010 21-AUG-2010

Calibration Times: 13:51 17:49

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	-----	-----	-----	-----	-----	-----					
	5.0000 Level 7	10.0000 Level 8	20.0000 Level 9								
30 Benzo(b)fluoranthene	3108	5719	12204	31505	75631	157846					
	437262	917863	1912139				LINR	0.03265	1.15584		0.99972
31 Benzo(k)fluoranthene	1.05915	1.10233	1.12294	1.19631	1.24855	1.29343					
	1.25882	1.25806	1.20706				AVRG		1.19407		6.81524
32 Benzo(e)pyrene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000
33 Benzo(a)pyrene	2896	5399	11821	33007	74306	163560					
	453151	933373	1952749				LINR	0.03184	1.17990		0.99983
35 Perylene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++	+++++				AVRG		0.000e+000		0.000e+000
36 Indeno(1,2,3-cd)pyrene	3079	4708	11534	36344	80546	193744					
	573834	1227132	2633775				LINR	0.06143	1.59218		0.99918
37 Dibenzo(a,h)anthracene	4513	8083	17673	47768	103915	229769					
	626607	1309439	2736822				LINR	0.03224	1.65329		0.99976

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: MORK.I

Calibration Date(s): 21-AUG-2010 21-AUG-2010

Calibration Times: 13:51 17:49

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	-----	-----	-----	-----	-----	-----					
	5.0000	10.0000	20.0000								
	Level 7	Level 8	Level 9								
=====											
38 Benzo(ghi)perylene	4776	8766	18114	48839	109910	237051					
	643100	1325085	2760230				LINR	0.02617	1.66708		0.99986
=====											
\$ 1 2-Fluorophenol	1.08249	1.05722	1.26087	1.13682	1.02691	1.38792					
	1.05484	1.04625	0.96350				AVRG		1.11298		11.87111

\$ 2 Phenol-d6	1.05775	1.07698	1.12725	1.00603	1.13410	1.20067					
	1.21226	1.18945	1.07799				AVRG		1.12027		6.35689

\$ 5 Nitrobenzene-d5	1.13456	1.23561	1.22807	1.04194	1.04152	1.28140					
	1.17235	1.25219	+++++				AVRG		1.17346		7.94949

\$ 11 2-Fluorobiphenyl	0.86018	0.86082	0.90757	0.86048	0.83052	0.84837					
	0.69814	0.72684	+++++				AVRG		0.82412		8.80951

\$ 17 2,4,6-Tribromophenol	+++++	+++++	0.19519	0.22897	0.23554	0.23798					
	0.29040	0.28978	0.22487				AVRG		0.24325		14.36660

\$ 23 0-Terphenyl-MS	0.58146	0.59574	0.58830	0.66248	0.73245	0.65561					
	+++++	+++++	+++++				AVRG		0.63601		9.23784

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: MORK.I Calibration Date(s): 21-AUG-2010 21-AUG-2010

Calibration Times: 13:51 17:49

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	-----	-----	-----	-----	-----	-----					
	5.0000	10.0000	20.0000								
	Level 7	Level 8	Level 9								
=====											
\$ 26 4-Terphenyl-d14	0.54325	0.56192	0.56291	0.56385	0.60647	0.56829					
	0.57826	0.54235	0.54621				AVRG		0.56372		3.57317
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

FORM VI-GC/MS SEMI

6B
SEMIVOLATILE ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: MORK.I Calibration Date(s): 21-AUG-2010 21-AUG-2010

Calibration Times: 13:51 17:49

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

FORM VI-GC/MS SEMI

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 21-AUG-2010 13:51
 End Cal Date : 21-AUG-2010 17:49
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
 Cal Date : 26-Aug-2010 17:47 aal

Calibration File Names:

Level 1: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml1.D
 Level 2: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml2.D
 Level 3: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml3.D
 Level 4: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml4.D
 Level 5: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml5.D
 Level 6: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml6.D
 Level 7: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml7.D
 Level 8: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml8.D
 Level 9: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml9.D

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	5.0000	10.0000	20.0000								
	Level 7	Level 8	Level 9								
=====											
4 Hexachloroethane	0.64809	0.60465	0.60234	0.55757	0.56880	0.62437					
	0.57917	0.58618	0.56018				AVRG		0.59237		5.13231

7 Naphthalene	1.08838	1.05701	1.04217	1.04697	1.08947	1.14798					
	1.11061	1.07737	1.05868				AVRG		1.07985		3.14547

8 Hexachlorobutadiene	0.22849	0.22888	0.22186	0.22467	0.23494	0.24307					
	0.24072	0.24528	0.23916				AVRG		0.23412		3.61535

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 21-AUG-2010 13:51
 End Cal Date : 21-AUG-2010 17:49
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821\cal.b\mcp30s2.m
 Cal Date : 26-Aug-2010 17:47 aal

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	5.0000	10.0000	20.0000							
	Level 7	Level 8	Level 9							
9 2-Methylnaphthalene	0.57590	0.53776	0.53665	0.59617	0.60955	0.75517				
	0.75958	0.74500	0.60817				AVRG		0.63600	14.44809
10 1-Methylnaphthalene	0.74750	0.69584	0.70114	0.68930	0.74324	0.69642				
	0.66142	0.70040	0.67044				AVRG		0.70063	4.10924
12 2-Chloronaphthalene	0.70623	0.67925	0.65891	0.71056	0.72036	0.77976				
	0.74940	0.70738	0.79392				AVRG		0.72286	6.11992
13 Acenaphthylene	0.93892	0.89482	0.87399	0.87806	0.99850	0.96818				
	0.97268	1.03193	1.18237				AVRG		0.97105	9.90695
15 Acenaphthene	1.25144	1.13404	1.16162	1.12706	1.14254	1.16282				
	1.20881	1.24973	1.03936				AVRG		1.16416	5.70341
16 Fluorene	1.36810	1.26145	1.30708	1.23416	1.03212	1.03637				
	1.10090	1.03833	1.16462				AVRG		1.17146	10.86098
18 Hexachlorobenzene	0.30089	0.27333	0.28838	0.29547	0.30156	0.32102				
	0.34054	0.31244	0.24415				AVRG		0.29753	9.33774

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 21-AUG-2010 13:51
 End Cal Date : 21-AUG-2010 17:49
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821\cal.b\mcp30s2.m
 Cal Date : 26-Aug-2010 17:47 aal

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	5.0000	10.0000	20.0000								
	Level 7	Level 8	Level 9								
19 Pentachlorophenol	1896	1283	1457	2958	6730	23688					
	57007	129903	292554				LINR	0.07853	0.15951		0.99642
21 Phenanthrene	0.99026	0.99079	0.89602	0.90858	0.99820	1.05836					
	1.13545	0.88614	1.08124				AVRG		0.99389		8.73767
22 Anthracene	1.35165	1.11616	1.23141	1.20670	1.24430	1.04375					
	1.00974	1.08004	1.14295				AVRG		1.15852		9.44545
24 Fluoranthene	1.07737	0.99978	0.99663	1.04264	1.18048	1.15925					
	1.20065	1.14141	1.15949				AVRG		1.10641		7.11202
25 Pyrene	1.14871	1.10316	1.10910	1.14342	1.26115	1.24435					
	1.31150	1.23483	1.21792				AVRG		1.19713		6.12946
27 Benzo(a)anthracene	1.16858	0.99125	0.93840	0.93826	1.00165	1.03467					
	1.07178	1.09468	1.08892				AVRG		1.03646		7.42373
29 Chrysene	1.31666	1.25673	1.20650	1.21261	1.23410	1.17754					
	1.16240	1.16274	1.07362				AVRG		1.20032		5.70166

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 21-AUG-2010 13:51
 End Cal Date : 21-AUG-2010 17:49
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821\cal.b\mcp30s2.m
 Cal Date : 26-Aug-2010 17:47 aal

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	5.0000 Level 7	10.0000 Level 8	20.0000 Level 9								
30 Benzo(b)fluoranthene	3108 437262	5719 917863	12204 1912139	31505	75631	157846	LINR	0.03265	1.15584		0.99972
31 Benzo(k)fluoranthene	1.05915 1.25882	1.10233 1.25806	1.12294 1.20706	1.19631	1.24855	1.29343	AVRG		1.19407		6.81524
32 Benzo(e)pyrene	++++ ++++	++++ ++++	++++ ++++	++++	++++	++++	AVRG		0.000e+000		0.000e+000
33 Benzo(a)pyrene	2896 453151	5399 933373	11821 1952749	33007	74306	163560	LINR	0.03184	1.17990		0.99983
35 Perylene	++++ ++++	++++ ++++	++++ ++++	++++	++++	++++	AVRG		0.000e+000		0.000e+000
36 Indeno(1,2,3-cd)pyrene	3079 573834	4708 1227132	11534 2633775	36344	80546	193744	LINR	0.06143	1.59218		0.99918
37 Dibenzo(a,h)anthracene	4513 626607	8083 1309439	17673 2736822	47768	103915	229769	LINR	0.03224	1.65329		0.99976

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 21-AUG-2010 13:51
 End Cal Date : 21-AUG-2010 17:49
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : HP RTE
 Method file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821\cal.b\mcp30s2.m
 Cal Date : 26-Aug-2010 17:47 aal

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	5.0000	10.0000	20.0000								
	Level 7	Level 8	Level 9								
38 Benzo(ghi)perylene	4776	8766	18114	48839	109910	237051					
	643100	1325085	2760230				LINR	0.02617	1.66708		0.99986
\$ 1 2-Fluorophenol	1.08249	1.05722	1.26087	1.13682	1.02691	1.38792					
	1.05484	1.04625	0.96350				AVRG		1.11298		11.87111
\$ 2 Phenol-d6	1.05775	1.07698	1.12725	1.00603	1.13410	1.20067					
	1.21226	1.18945	1.07799				AVRG		1.12027		6.35689
\$ 5 Nitrobenzene-d5	1.13456	1.23561	1.22807	1.04194	1.04152	1.28140					
	1.17235	1.25219	+++++				AVRG		1.17346		7.94949
\$ 11 2-Fluorobiphenyl	0.86018	0.86082	0.90757	0.86048	0.83052	0.84837					
	0.69814	0.72684	+++++				AVRG		0.82412		8.80951
\$ 17 2,4,6-Tribromophenol	+++++	+++++	0.19519	0.22897	0.23554	0.23798					
	0.29040	0.28978	0.22487				AVRG		0.24325		14.36660
\$ 23 0-Terphenyl-MS	0.58146	0.59574	0.58830	0.66248	0.73245	0.65561					
	+++++	+++++	+++++				AVRG		0.63601		9.23784

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 21-AUG-2010 13:51
End Cal Date : 21-AUG-2010 17:49
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
Cal Date : 26-Aug-2010 17:47 aal

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	5.0000	10.0000	20.0000								
	Level 7	Level 8	Level 9								
=====											
\$ 26 4-Terphenyl-d14	0.54325	0.56192	0.56291	0.56385	0.60647	0.56829					
	0.57826	0.54235	0.54621				AVRG		0.56372		3.57317
=====											

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 21-AUG-2010 13:51
End Cal Date : 21-AUG-2010 17:49
Quant Method : ISTD
Target Version : 4.12
Integrator : HP RTE
Method file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821\cal.b\mcp30s2.m
Cal Date : 26-Aug-2010 17:47 aal

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

Alpha Analytical Labs

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\DFT0821.D
Lab Smp Id:
Inj Date : 21-AUG-2010 13:31
Operator : nd Inst ID: Mork.i
Smp Info : dftpp
Misc Info :
Comment :
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\dftpp.m
Meth Date : 15-Apr-2010 09:21 hlac Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 100 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: ABN-6

CONCENTRATIONS									
				ON-COL		FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dftpp				CAS #: 5074-71-5					
6.087	6.198	-0.111	198	428672			0.00-	100.00	100.00
6.087	7.208	-1.121	51	154944			30.00-	60.00	36.15
6.087	7.208	-1.121	68	0	0.0	0.0	0.00-	2.00	0.00
6.087	7.208	-1.121	69	191296			0.00-	0.00	44.63
6.087	7.208	-1.121	70	953			0.00-	2.00	0.50
6.087	7.208	-1.121	127	196352			40.00-	60.00	45.80
6.087	7.208	-1.121	197	0	0.0	0.0	0.00-	1.00	0.00
6.087	7.208	-1.121	199	29200			5.00-	9.00	6.81
6.087	7.208	-1.121	275	119168			10.00-	30.00	27.80
6.087	7.208	-1.121	365	16416			1.00-	0.00	3.83
6.087	7.208	-1.121	441	50856			0.01-	99.99	79.34
6.087	7.208	-1.121	442	329600			40.00-	99.99	76.89
6.087	7.208	-1.121	443	64096			17.00-	23.00	19.45

Date : 21-AUG-2010 13:31

Client ID:

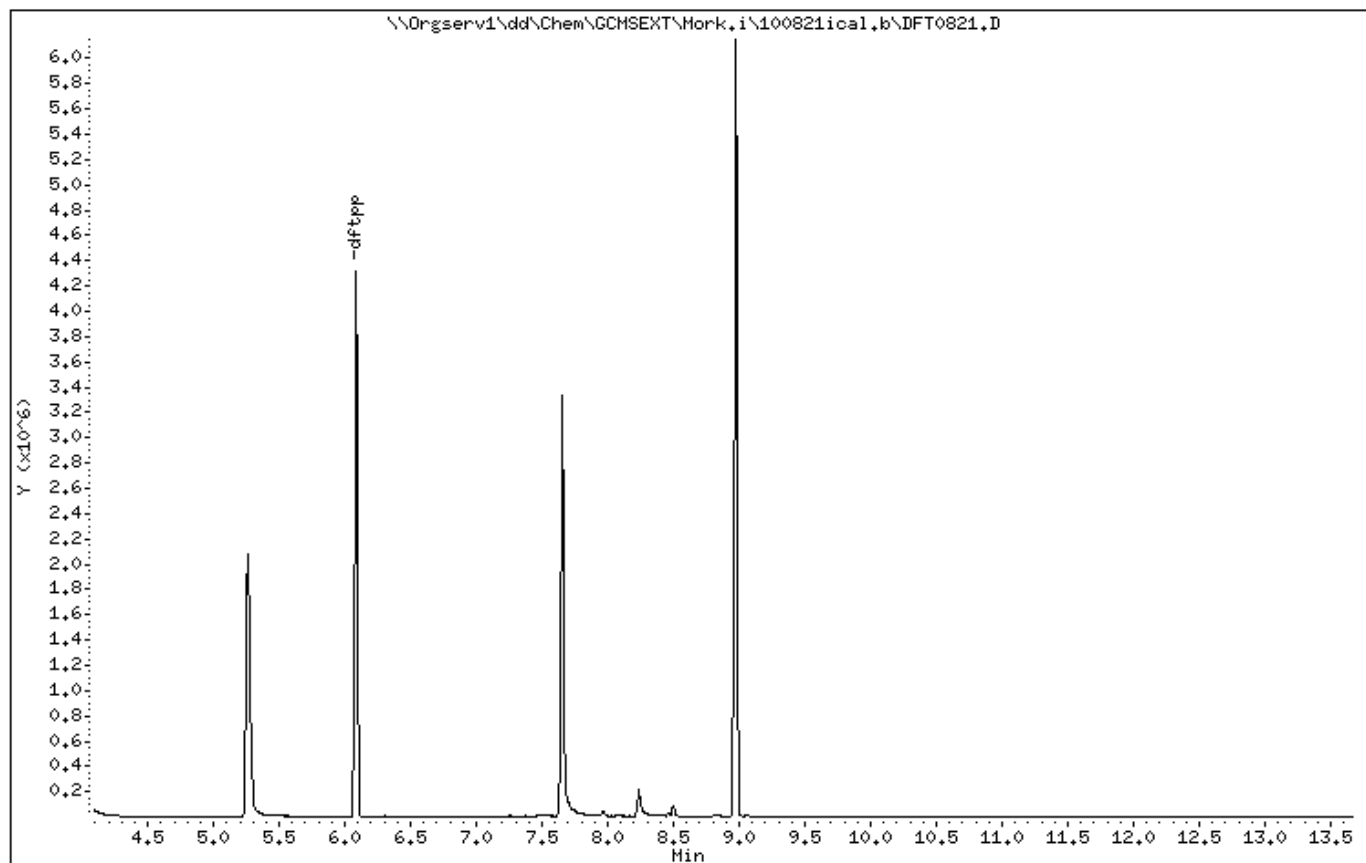
Instrument: Mork.i

Sample Info: dftpp

Operator: nd

Column phase:

Column diameter: 2.00



Date : 21-AUG-2010 13:31

Client ID:

Instrument: Mork.i

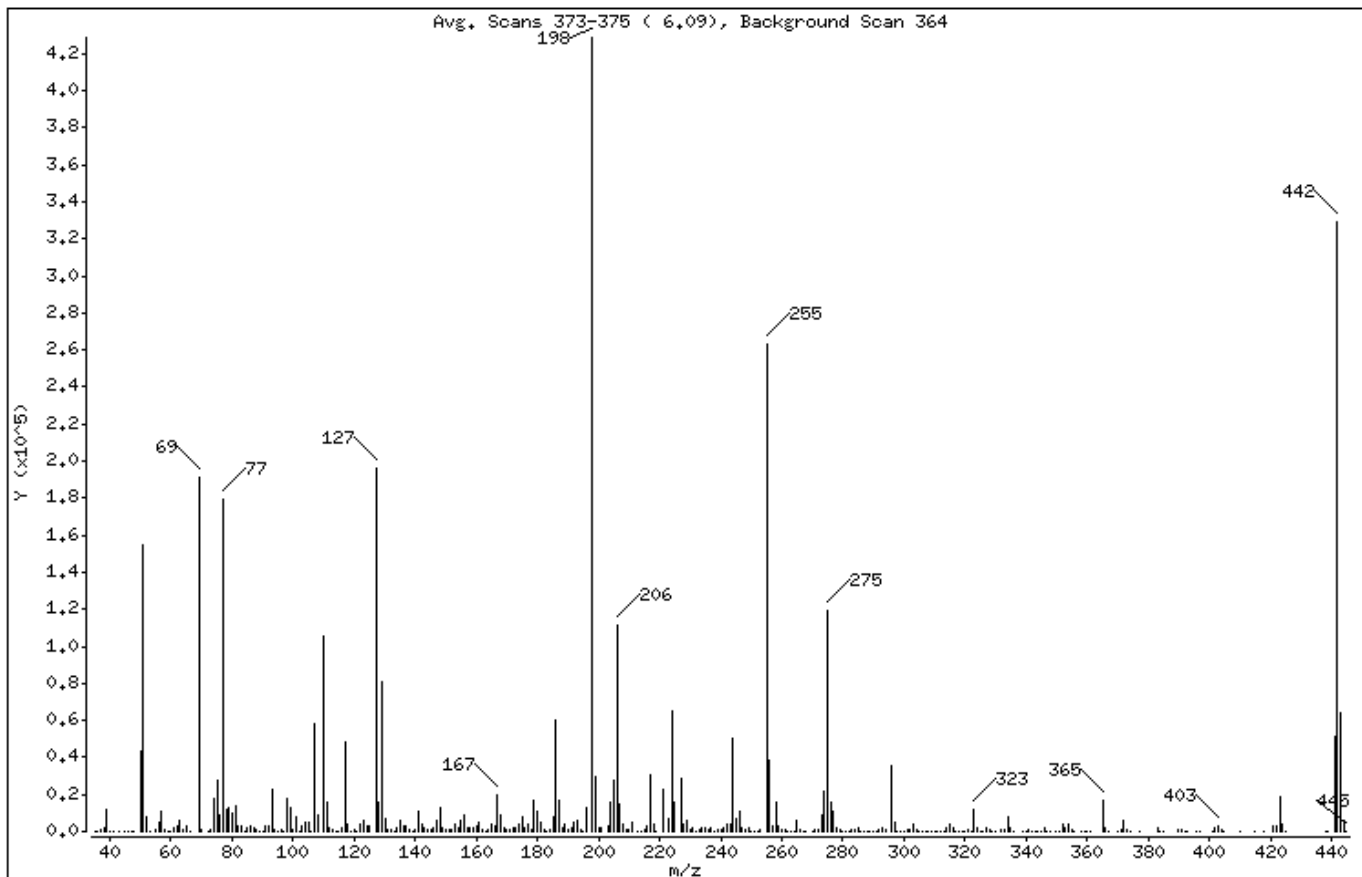
Sample Info: dftpp

Operator: nd

Column phase:

Column diameter: 2.00

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	36.15
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	44.63
70	Less than 2.00% of mass 69	0.22 (0.50)
127	40.00 - 60.00% of mass 198	45.80
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.81
275	10.00 - 30.00% of mass 198	27.80
365	Greater than 1.00% of mass 198	3.83
441	Present, but less than mass 443	11.86
442	40.00 - 99.99% of mass 198	76.89
443	17.00 - 23.00% of mass 442	14.95 (19.45)

Date : 21-AUG-2010 13:31

Client ID:

Instrument: Mork.i

Sample Info: dftpp

Operator: nd

Column phase:

Column diameter: 2.00

Data File: DFT0821.D

Spectrum: Avg. Scans 373-375 (6.09), Background Scan 364

Location of Maximum: 198.00

Number of points: 342

m/z	Y	m/z	Y	m/z	Y	m/z	Y
+-----+-----+-----+-----+-----+-----+-----+-----+							
35.00	109	130.00	6604	219.00	359	311.00	80
36.00	206	131.00	1177	221.00	22728	312.00	101
37.00	855	132.00	772	223.00	6562	313.00	468
38.00	2073	133.00	213	224.00	65328	314.00	2034
39.00	11867	134.00	2273	225.00	15722	315.00	4113
+-----+-----+-----+-----+-----+-----+-----+-----+							
40.00	295	135.00	6228	227.00	28440	316.00	2250
41.00	204	136.00	2471	228.00	3739	317.00	432
43.00	97	137.00	3057	229.00	5886	318.00	28
45.00	327	138.00	690	230.00	749	319.00	75
46.00	32	139.00	480	231.00	2385	320.00	220
+-----+-----+-----+-----+-----+-----+-----+-----+							
47.00	18	140.00	1086	232.00	473	321.00	1161
48.00	129	141.00	10817	233.00	556	322.00	312
50.00	43024	142.00	3592	234.00	1718	323.00	11421
51.00	154944	143.00	2243	235.00	2024	324.00	1931
52.00	7590	144.00	562	236.00	1196	325.00	195
+-----+-----+-----+-----+-----+-----+-----+-----+							
53.00	308	145.00	531	237.00	2178	326.00	217
55.00	926	146.00	2080	238.00	423	327.00	2121
56.00	4791	147.00	5462	239.00	1126	328.00	1235
57.00	10920	148.00	12368	240.00	746	329.00	158
58.00	576	149.00	2076	241.00	1586	330.00	30
+-----+-----+-----+-----+-----+-----+-----+-----+							
59.00	131	150.00	812	242.00	3506	332.00	790
60.00	170	151.00	1304	243.00	3456	333.00	1109
61.00	1919	152.00	1067	244.00	50608	334.00	7433
62.00	2478	153.00	3504	245.00	6676	335.00	2223
63.00	6184	154.00	2444	246.00	10695	336.00	172
+-----+-----+-----+-----+-----+-----+-----+-----+							
64.00	671	155.00	5657	247.00	2330	339.00	183
65.00	2787	156.00	8641	248.00	547	340.00	259
66.00	301	157.00	1691	249.00	1725	341.00	1367
69.00	191296	158.00	1729	250.00	331	342.00	349
70.00	953	159.00	1502	251.00	384	343.00	112
+-----+-----+-----+-----+-----+-----+-----+-----+							
72.00	58	160.00	3397	252.00	441	344.00	56
73.00	1478	161.00	4868	253.00	1018	345.00	27
74.00	17520	162.00	1442	255.00	262848	346.00	2449
75.00	27176	163.00	346	256.00	38312	347.00	437
76.00	9135	164.00	509	257.00	2792	348.00	38

Date : 21-AUG-2010 13:31

Client ID:

Instrument: Mork.i

Sample Info: dftpp

Operator: nd

Column phase:

Column diameter: 2.00

Data File: DFT0821.D

Spectrum: Avg. Scans 373-375 (6.09), Background Scan 364

Location of Maximum: 198.00

Number of points: 342

m/z	Y	m/z	Y	m/z	Y	m/z	Y

77.00	178880	165.00	3872	258.00	16185	350.00	47
78.00	12175	166.00	3200	259.00	2551	351.00	147
79.00	12389	167.00	20104	260.00	528	352.00	3491
80.00	9990	168.00	9205	261.00	539	353.00	2242
81.00	13754	169.00	1597	262.00	148	354.00	3546

82.00	3290	170.00	789	263.00	146	355.00	593
83.00	3059	171.00	941	264.00	385	356.00	30
84.00	297	172.00	1804	265.00	6335	358.00	27
85.00	2243	173.00	2277	266.00	1192	359.00	275
86.00	3448	174.00	4265	267.00	83	360.00	66

87.00	1708	175.00	8124	268.00	90	361.00	65
88.00	689	176.00	2427	270.00	155	365.00	16416
89.00	287	177.00	3905	271.00	696	366.00	2285
90.00	66	178.00	908	272.00	532	367.00	192
91.00	2966	179.00	16277	273.00	8483	370.00	376

92.00	3348	180.00	10440	274.00	21904	371.00	816
93.00	22848	181.00	4766	275.00	119168	372.00	5876
94.00	1426	182.00	890	276.00	16105	373.00	1353
95.00	391	183.00	271	277.00	10694	374.00	202
96.00	791	184.00	1330	278.00	1799	377.00	183

97.00	179	185.00	7560	279.00	497	383.00	1483
98.00	17488	186.00	59904	280.00	27	384.00	397
99.00	12443	187.00	16760	281.00	82	385.00	95
100.00	1138	188.00	1650	282.00	266	390.00	875
101.00	7419	189.00	3814	283.00	1210	391.00	592

102.00	288	190.00	675	284.00	855	392.00	329
103.00	2623	191.00	1847	285.00	1791	393.00	36
104.00	5127	192.00	4918	286.00	384	396.00	25
105.00	4796	193.00	5578	287.00	46	397.00	89
106.00	465	194.00	945	288.00	97	401.00	319

107.00	58072	195.00	215	289.00	426	402.00	2358
108.00	8651	196.00	12411	290.00	331	403.00	3339
110.00	105392	198.00	428672	291.00	300	404.00	1161
111.00	15762	199.00	29200	292.00	636	405.00	107
112.00	2029	200.00	2153	293.00	2446	410.00	60

Date : 21-AUG-2010 13:31

Client ID:

Instrument: Mork.i

Sample Info: dftpp

Operator: nd

Column phase:

Column diameter: 2.00

Data File: DFT0821.D

Spectrum: Avg. Scans 373-375 (6.09), Background Scan 364

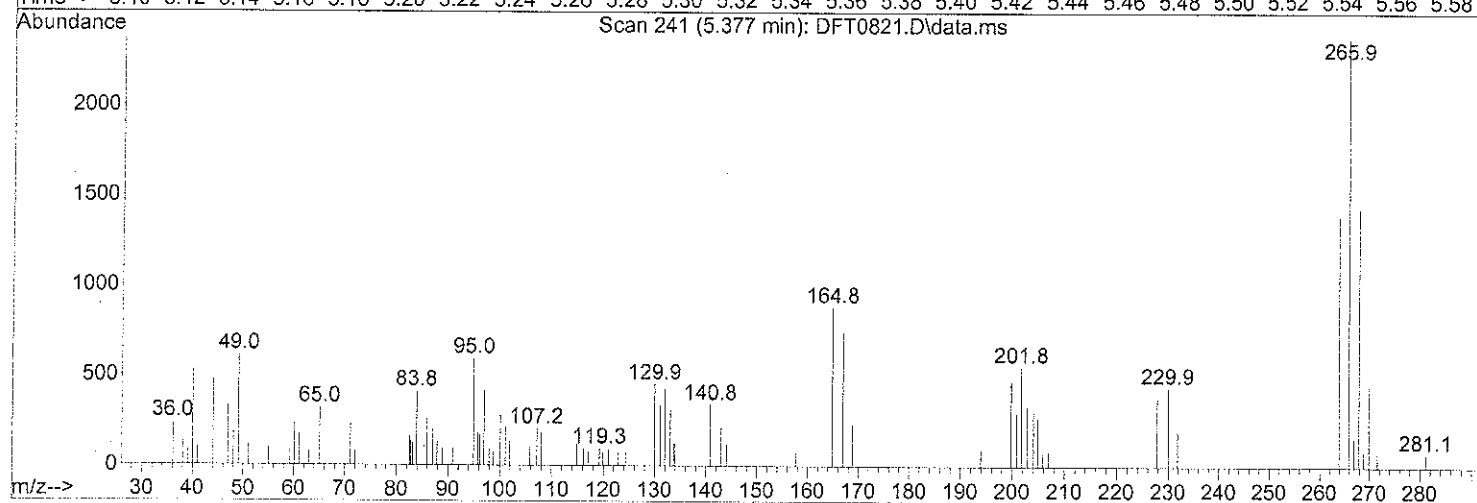
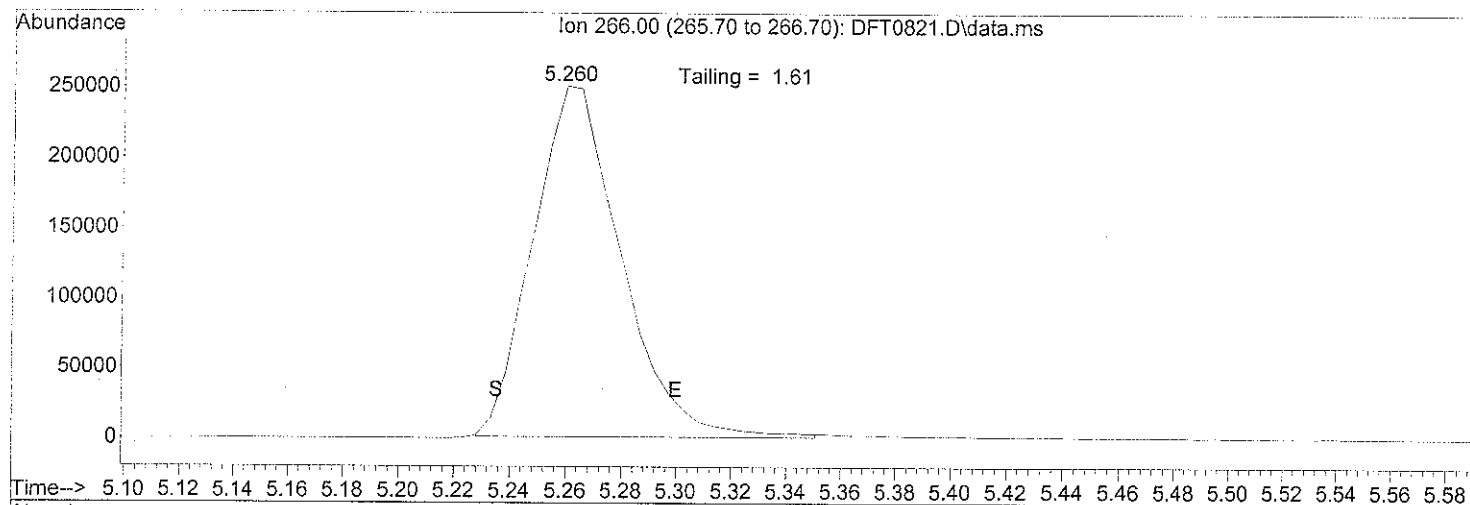
Location of Maximum: 198.00

Number of points: 342

m/z	Y	m/z	Y	m/z	Y	m/z	Y
+-----+-----+-----+-----+-----+-----+-----+-----+							
113.00	643	201.00	2410	294.00	523	415.00	66
114.00	220	203.00	3078	296.00	35520	418.00	25
115.00	248	204.00	16050	297.00	5322	421.00	2598
116.00	2159	205.00	27336	298.00	332	422.00	2541
117.00	48696	206.00	110920	299.00	75	423.00	19064
+-----+-----+-----+-----+-----+-----+-----+-----+							
118.00	3514	207.00	14659	300.00	30	424.00	3496
119.00	466	208.00	3821	301.00	585	425.00	352
120.00	800	209.00	1280	302.00	654	438.00	29
121.00	446	210.00	698	303.00	4158	439.00	151
122.00	4000	211.00	4454	304.00	1056	441.00	50856
+-----+-----+-----+-----+-----+-----+-----+-----+							
123.00	6273	213.00	321	305.00	129	442.00	329600
124.00	2587	214.00	140	306.00	31	443.00	64096
125.00	2590	215.00	1396	307.00	65	444.00	5995
127.00	196352	216.00	2524	308.00	434	445.00	431
128.00	15277	217.00	30088	309.00	369		
+-----+-----+-----+-----+-----+-----+-----+-----+							
129.00	80696	218.00	4084	310.00	477		
+-----+-----+-----+-----+-----+-----+-----+-----+							

Data Path : F:\Chem\GCMSEXT\Mork.i\100821\cal.b\
Data File : DFT0821.D
Acq On : 21 Aug 2010 1:31 pm
Operator : nd
Sample : dftpp
Misc :
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 24 15:35:41 2010
Quant Method : C:\msdchem\1\METHODS\tailing-mork.M
Quant Title :
QLast Update : Sat Jul 24 09:19:59 2010
Response via : Initial Calibration



TIC: DFT0821.D\data.ms

(1) pentachlorophenol

5.380min 0.00 d

response 0

Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\siml1.D
Lab Smp Id:
Inj Date : 21-AUG-2010 13:51
Operator : nd
Smp Info : sim 0.05/0.5 lot 3016
Misc Info : ,ICAL5275
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:56 aal
Cal Date : 21-AUG-2010 13:51
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: ABN-6

Inst ID: Mork.i
Quant Type: ISTD
Cal File: siml1.D
Calibration Sample, Level: 1
Compound Sublist: abncal.sub

						AMOUNTS		
QUANT SIG						CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112	3.868	3.868	(0.769)	14615	0.50000	0.486	
\$ 2 Phenol-d6	99	4.763	4.763	(0.947)	14281	0.50000	0.472	
* 3 1,4-Dichlorobenzene-d4	152	5.029	5.029	(1.000)	108010	4.00000		
4 Hexachloroethane	117	5.490	5.490	(1.092)	875	0.05000	0.0547	
\$ 5 Nitrobenzene-d5	82	5.574	5.574	(1.108)	15318	0.50000	0.483	
* 6 Naphthalene-d8	136	6.231	6.231	(1.000)	343117	4.00000		
7 Naphthalene	128	6.248	6.248	(1.003)	4668	0.05000	0.0504	
8 Hexachlorobutadiene	225	6.380	6.380	(1.024)	980	0.05000	0.0488	
9 2-Methylnaphthalene	142	6.930	6.930	(1.112)	2470	0.05000	0.0453	
10 1-Methylnaphthalene	142	7.014	7.014	(1.126)	3206	0.05000	0.0533	
\$ 11 2-Fluorobiphenyl	172	7.294	7.294	(1.171)	36893	0.50000	0.522	
12 2-Chloronaphthalene	162	7.406	7.406	(1.189)	3029	0.05000	0.0488	
13 Acenaphthylene	152	7.797	7.797	(1.251)	4027	0.05000	0.0483	
* 14 Acenaphthene-d10	164	7.937	7.937	(1.000)	185834	4.00000		
15 Acenaphthene	153	7.965	7.965	(1.004)	2907	0.05000	0.0537	
16 Fluorene	166	8.489	8.489	(1.070)	3178	0.05000	0.0584	
\$ 17 2,4,6-Tribromophenol	330	8.747	8.747	(1.102)	4311	0.50000	0.381	
18 Hexachlorobenzene	284	9.034	9.034	(0.961)	1278	0.05000	0.0506	
19 Pentachlorophenol	266	9.276	9.276	(0.987)	950	0.05000	0.395	
* 20 Phenanthrene-d10	188	9.397	9.397	(1.000)	339791	4.00000		
21 Phenanthrene	178	9.412	9.412	(1.002)	4206	0.05000	0.0498	
22 Anthracene	178	9.473	9.473	(1.008)	5741	0.05000	0.0583	
\$ 23 0-Terphenyl-MS	230	9.791	9.791	(1.042)	24697	0.50000	0.457	
24 Fluoranthene	202	10.600	10.600	(1.128)	4576	0.05000	0.0487	
25 Pyrene	202	10.845	10.845	(1.154)	4879	0.05000	0.0480	
\$ 26 4-Terphenyl-d14	244	11.058	11.058	(1.177)	23074	0.50000	0.482	
27 Benzo(a)anthracene	228	12.590	12.590	(0.999)	4735	0.05000	0.0564	
* 28 Chrysene-d12	240	12.601	12.601	(1.000)	324153	4.00000		
29 Chrysene	228	12.644	12.644	(1.003)	5335	0.05000	0.0548	
30 Benzo(b)fluoranthene	252	14.800	14.800	(0.947)	3108	0.05000	0.165	
31 Benzo(k)fluoranthene	252	14.854	14.854	(0.950)	4080	0.05000	0.0444	
33 Benzo(a)pyrene	252	15.512	15.512	(0.992)	2896	0.05000	0.159	
* 34 Perylene-d12	264	15.631	15.631	(1.000)	308172	4.00000		

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ng)	ON -COL (ng)
=====	=====	=====	=====	=====	=====	=====	=====	=====
36 Indeno(1,2,3-cd)pyrene	276	18.231	18.231	(1.166)	3079	0.05000	0.271	
37 Dibenzo(a,h)anthracene	278	18.315	18.315	(1.172)	1300	0.05000	0.143	
38 Benzo(ghi)perylene	276	18.862	18.862	(1.207)	4234	0.05000	0.138	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 21-AUG-2010
 Lab File ID: siml1.D Calibration Time: 18:19
 Lab Smp Id:
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: nd
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m
 Misc Info: ,ICAL5275

Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	106321	53161	212642	108010	1.59
6 Naphthalene-d8	316775	158388	633550	343117	8.32
14 Acenaphthene-d10	199609	99805	399218	185834	-6.90
20 Phenanthrene-d10	348986	174493	697972	339791	-2.63
28 Chrysene-d12	336425	168213	672850	324153	-3.65
34 Perylene-d12	315752	157876	631504	308172	-2.40

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	-0.04
6 Naphthalene-d8	6.23	5.73	6.73	6.23	-0.00
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.00
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.60	12.10	13.10	12.60	-0.00
34 Perylene-d12	15.63	15.13	16.13	15.63	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 21-AUG-2010 13:51

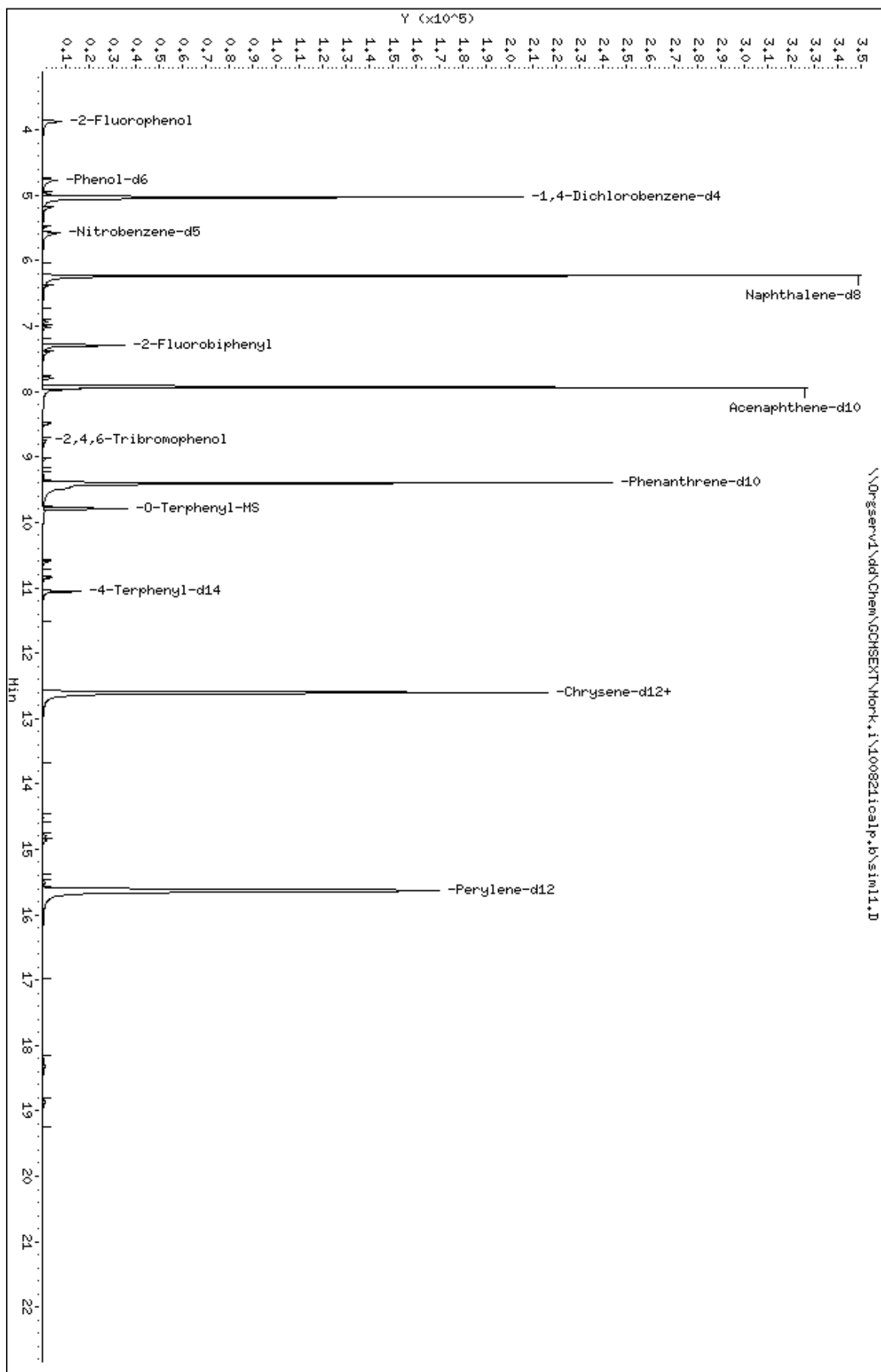
Client ID:

Sample Info: sim 0.05/0.5 lot 3016

Instrument: Hork,i

Column phase: RTX-5

Operator: nd
Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml1.D
Lab Smp Id:
Inj Date : 21-AUG-2010 13:51
Operator : nd Inst ID: Mork.i
Smp Info : sim 0.05/0.5 lot 3016
Misc Info :
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:54 Mork.i Quant Type: ISTD
Cal Date : 21-AUG-2010 16:20 Cal File: siml6.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS			
		QUANT SIG					CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====		=====	=====	=====	=====	=====	=====	=====	=====
\$	1	2-Fluorophenol	112	3.868	3.868 (0.769)	14615	0.50000	0.486	
\$	2	Phenol-d6	99	4.763	4.763 (0.947)	14281	0.50000	0.472	
*	3	1,4-Dichlorobenzene-d4	152	5.029	5.029 (1.000)	108010	4.00000		
	4	Hexachloroethane	117	5.490	5.490 (1.092)	875	0.05000	0.0547	
\$	5	Nitrobenzene-d5	82	5.574	5.574 (1.108)	15318	0.50000	0.483	
*	6	Naphthalene-d8	136	6.231	6.231 (1.000)	343117	4.00000		
	7	Naphthalene	128	6.248	6.248 (1.003)	4668	0.05000	0.0504	
	8	Hexachlorobutadiene	225	6.380	6.380 (1.024)	980	0.05000	0.0488	
	9	2-Methylnaphthalene	142	6.930	6.930 (1.112)	2470	0.05000	0.0453	
	10	1-Methylnaphthalene	142	7.014	7.014 (1.126)	3206	0.05000	0.0533	
\$	11	2-Fluorobiphenyl	172	7.294	7.294 (1.171)	36893	0.50000	0.522	
	12	2-Chloronaphthalene	162	7.406	7.406 (1.189)	3029	0.05000	0.0488	
	13	Acenaphthylene	152	7.797	7.797 (1.251)	4027	0.05000	0.0483	
*	14	Acenaphthene-d10	164	7.937	7.937 (1.000)	185834	4.00000		
	15	Acenaphthene	153	7.965	7.965 (1.004)	2907	0.05000	0.0537	
	16	Fluorene	166	8.489	8.489 (1.070)	3178	0.05000	0.0584	
\$	17	2,4,6-Tribromophenol	330	8.747	8.747 (1.102)	4311	0.50000	0.381	
	18	Hexachlorobenzene	284	9.034	9.034 (0.961)	1278	0.05000	0.0506	
	19	Pentachlorophenol	266	9.276	9.276 (0.987)	1896	0.05000	0.454(M)	M1
*	20	Phenanthrene-d10	188	9.397	9.397 (1.000)	339791	4.00000		
	21	Phenanthrene	178	9.412	9.412 (1.002)	4206	0.05000	0.0498	
	22	Anthracene	178	9.473	9.473 (1.008)	5741	0.05000	0.0583	
\$	23	0-Terphenyl-MS	230	9.791	9.791 (1.042)	24697	0.50000	0.457	
	24	Fluoranthene	202	10.600	10.600 (1.128)	4576	0.05000	0.0487	
	25	Pyrene	202	10.845	10.845 (1.154)	4879	0.05000	0.0480	
\$	26	4-Terphenyl-d14	244	11.058	11.058 (1.177)	23074	0.50000	0.482	
	27	Benzo(a)anthracene	228	12.590	12.590 (0.999)	4735	0.05000	0.0564	
*	28	Chrysene-d12	240	12.601	12.601 (1.000)	324153	4.00000		
	29	Chrysene	228	12.644	12.644 (1.003)	5335	0.05000	0.0548	
	30	Benzo(b)fluoranthene	252	14.800	14.800 (0.947)	3108	0.05000	0.165	
	31	Benzo(k)fluoranthene	252	14.854	14.854 (0.950)	4080	0.05000	0.0444	
	33	Benzo(a)pyrene	252	15.512	15.512 (0.992)	2896	0.05000	0.159	
*	34	Perylene-d12	264	15.631	15.631 (1.000)	308172	4.00000		

Compounds	QUANT SIG	AMOUNTS						
		CAL-AMT	ON-COL	REVIEW CODE				
=====	=====	(ng)	(ng)	=====				
36 Indeno(1,2,3-cd)pyrene	276	18.231	18.231 (1.166)	3079	0.05000	0.271(M)	M7	
37 Dibenzo(a,h)anthracene	278	18.315	18.315 (1.172)	4513	0.05000	0.164(M)	M1	
38 Benzo(ghi)perylene	276	18.862	18.862 (1.207)	4776	0.05000	0.142(M)	M1	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i

Lab File ID: siml1.D

Lab Smp Id:

Analysis Type: SV

Quant Type: ISTD

Operator: nd

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m

Misc Info:

Calibration Date: 21-AUG-2010

Calibration Time: 16:20

Level:

Sample Type:

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	106321	53161	212642	108010	1.59
6 Naphthalene-d8	316775	158388	633550	343117	8.32
14 Acenaphthene-d10	199609	99805	399218	185834	-6.90
20 Phenanthrene-d10	348986	174493	697972	339791	-2.63
28 Chrysene-d12	336425	168213	672850	324153	-3.65
34 Perylene-d12	315752	157876	631504	308172	-2.40

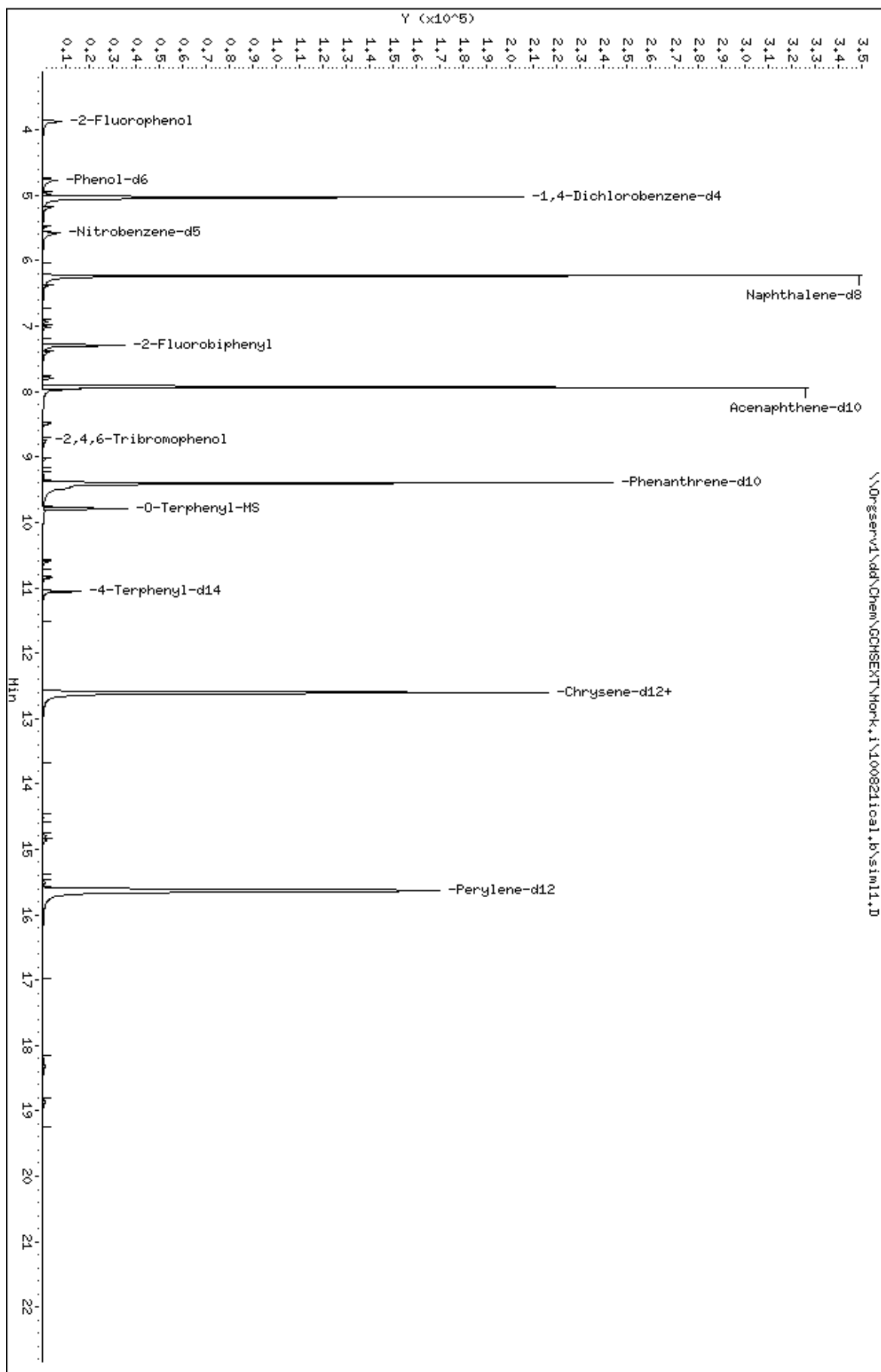
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	-0.04
6 Naphthalene-d8	6.23	5.73	6.73	6.23	-0.00
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.00
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.60	12.10	13.10	12.60	-0.00
34 Perylene-d12	15.63	15.13	16.13	15.63	-0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\siml2.D
Lab Smp Id:
Inj Date : 21-AUG-2010 14:21
Operator : nd Inst ID: Mork.i
Smp Info : sim 0.10/1.0 lot 3017
Misc Info : ,ICAL5275
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:56 aal Quant Type: ISTD
Cal Date : 21-AUG-2010 14:21 Cal File: siml2.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS		
QUANT SIG						CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112	3.868	3.868	(0.769)	28518	1.00000	0.950	
\$ 2 Phenol-d6	99	4.763	4.763	(0.947)	29051	1.00000	0.961	
* 3 1,4-Dichlorobenzene-d4	152	5.029	5.029	(1.000)	107898	4.00000		
4 Hexachloroethane	117	5.490	5.490	(1.092)	1631	0.10000	0.102	
\$ 5 Nitrobenzene-d5	82	5.560	5.560	(1.106)	33330	1.00000	1.05	
* 6 Naphthalene-d8	136	6.231	6.231	(1.000)	330480	4.00000		
7 Naphthalene	128	6.248	6.248	(1.003)	8733	0.10000	0.0979	
8 Hexachlorobutadiene	225	6.380	6.380	(1.024)	1891	0.10000	0.0978	
9 2-Methylnaphthalene	142	6.930	6.930	(1.112)	4443	0.10000	0.0846	
10 1-Methylnaphthalene	142	7.014	7.014	(1.126)	5749	0.10000	0.0993	
\$ 11 2-Fluorobiphenyl	172	7.293	7.293	(1.171)	71121	1.00000	1.04	
12 2-Chloronaphthalene	162	7.405	7.405	(1.188)	5612	0.10000	0.0940	
13 Acenaphthylene	152	7.797	7.797	(1.251)	7393	0.10000	0.0921	
* 14 Acenaphthene-d10	164	7.937	7.937	(1.000)	183979	4.00000		
15 Acenaphthene	153	7.965	7.965	(1.004)	5216	0.10000	0.0974	
16 Fluorene	166	8.489	8.489	(1.070)	5802	0.10000	0.108	
\$ 17 2,4,6-Tribromophenol	330	8.746	8.746	(1.102)	8423	1.00000	0.753	
18 Hexachlorobenzene	284	9.034	9.034	(0.961)	2250	0.10000	0.0919	
19 Pentachlorophenol	266	9.276	9.276	(0.987)	745	0.10000	0.387	
* 20 Phenanthrene-d10	188	9.397	9.397	(1.000)	329273	4.00000		
21 Phenanthrene	178	9.412	9.412	(1.002)	8156	0.10000	0.0997	
22 Anthracene	178	9.473	9.473	(1.008)	9188	0.10000	0.0963	
\$ 23 0-Terphenyl-MS	230	9.791	9.791	(1.042)	49040	1.00000	0.937	
24 Fluoranthene	202	10.600	10.600	(1.128)	8230	0.10000	0.0904	
25 Pyrene	202	10.845	10.845	(1.154)	9081	0.10000	0.0922	
\$ 26 4-Terphenyl-d14	244	11.050	11.050	(1.176)	46256	1.00000	0.997	
27 Benzo(a)anthracene	228	12.590	12.590	(0.999)	7826	0.10000	0.0956	
* 28 Chrysene-d12	240	12.601	12.601	(1.000)	315803	4.00000		
29 Chrysene	228	12.644	12.644	(1.003)	9922	0.10000	0.105	
30 Benzo(b)fluoranthene	252	14.800	14.800	(0.947)	5719	0.10000	0.196	
31 Benzo(k)fluoranthene	252	14.854	14.854	(0.950)	8375	0.10000	0.0923	
33 Benzo(a)pyrene	252	15.512	15.512	(0.992)	5399	0.10000	0.188	
* 34 Perylene-d12	264	15.631	15.631	(1.000)	303901	4.00000		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
36 Indeno(1,2,3-cd)pyrene	276	18.231	18.231	(1.166)	8915	0.10000	0.314	
37 Dibenzo(a,h)anthracene	278	18.332	18.332	(1.173)	7002	0.10000	0.190	
38 Benzo(ghi)perylene	276	18.862	18.862	(1.207)	8043	0.10000	0.170	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 21-AUG-2010
Lab File ID: siml2.D Calibration Time: 18:19
Lab Smp Id:
Analysis Type: SV Level:
Quant Type: ISTD Sample Type:
Operator: nd
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m
Misc Info: ,ICAL5275

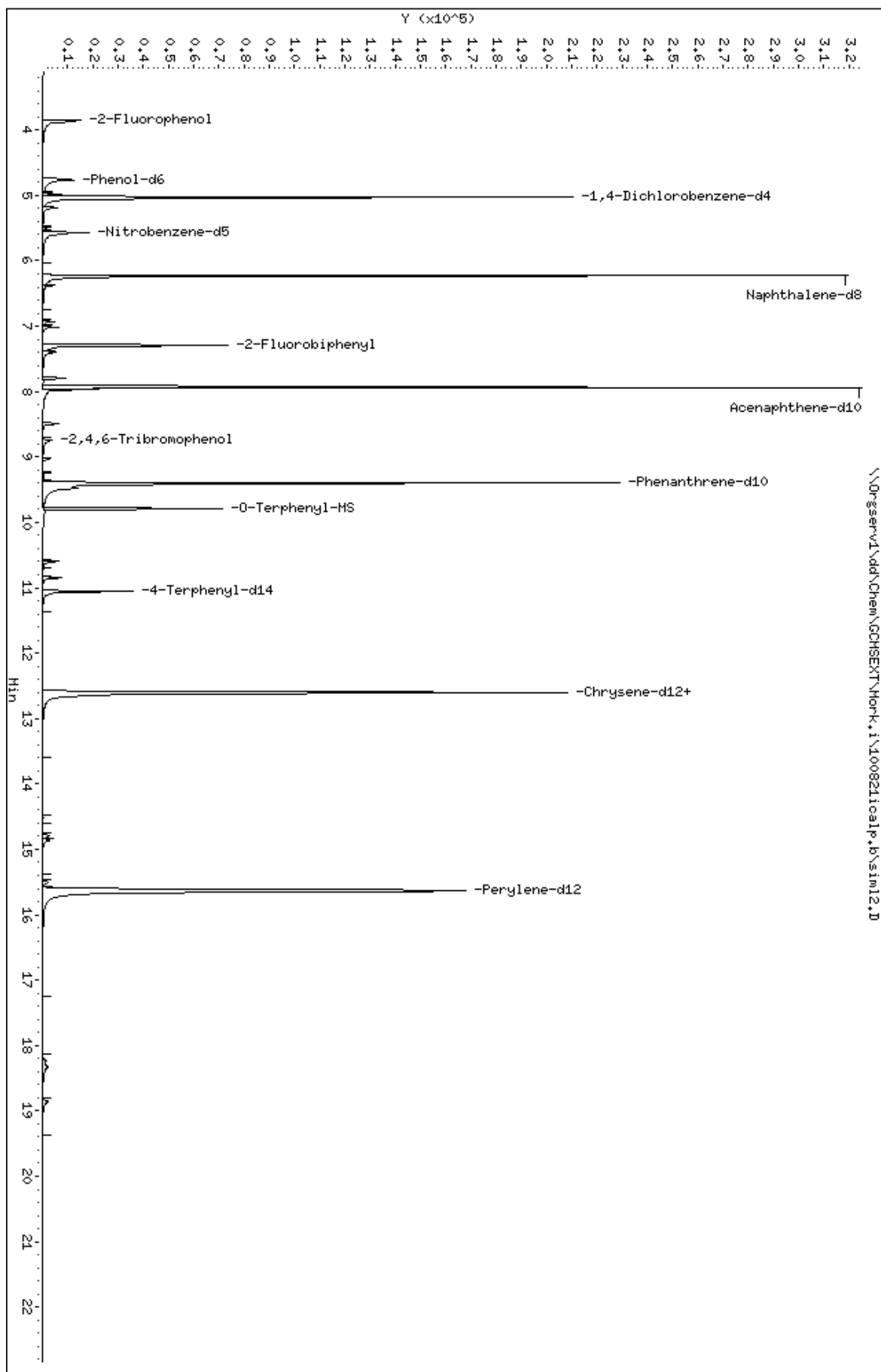
Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	106321	53161	212642	107898	1.48
6 Naphthalene-d8	316775	158388	633550	330480	4.33
14 Acenaphthene-d10	199609	99805	399218	183979	-7.83
20 Phenanthrene-d10	348986	174493	697972	329273	-5.65
28 Chrysene-d12	336425	168213	672850	315803	-6.13
34 Perylene-d12	315752	157876	631504	303901	-3.75

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	-0.04
6 Naphthalene-d8	6.23	5.73	6.73	6.23	-0.00
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	-0.00
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.60	12.10	13.10	12.60	-0.00
34 Perylene-d12	15.63	15.13	16.13	15.63	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml2.D
Lab Smp Id:
Inj Date : 21-AUG-2010 14:21
Operator : nd Inst ID: Mork.i
Smp Info : sim 0.10/1.0 lot 3017
Misc Info :
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:54 Mork.i Quant Type: ISTD
Cal Date : 21-AUG-2010 13:51 Cal File: siml1.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS			
		QUANT SIG					CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====		=====	=====	=====	=====	=====	=====	=====	=====
\$	1	2-Fluorophenol	112	3.868	3.868 (0.769)	28518	1.00000	0.950	
\$	2	Phenol-d6	99	4.763	4.763 (0.947)	29051	1.00000	0.961	
*	3	1,4-Dichlorobenzene-d4	152	5.029	5.029 (1.000)	107898	4.00000		
	4	Hexachloroethane	117	5.490	5.490 (1.092)	1631	0.10000	0.102	
\$	5	Nitrobenzene-d5	82	5.560	5.560 (1.106)	33330	1.00000	1.05	
*	6	Naphthalene-d8	136	6.231	6.231 (1.000)	330480	4.00000		
	7	Naphthalene	128	6.248	6.248 (1.003)	8733	0.10000	0.0979	
	8	Hexachlorobutadiene	225	6.380	6.380 (1.024)	1891	0.10000	0.0978	
	9	2-Methylnaphthalene	142	6.930	6.930 (1.112)	4443	0.10000	0.0846	
	10	1-Methylnaphthalene	142	7.014	7.014 (1.126)	5749	0.10000	0.0993	
\$	11	2-Fluorobiphenyl	172	7.293	7.293 (1.171)	71121	1.00000	1.04	
	12	2-Chloronaphthalene	162	7.405	7.405 (1.188)	5612	0.10000	0.0940	
	13	Acenaphthylene	152	7.797	7.797 (1.251)	7393	0.10000	0.0921	
*	14	Acenaphthene-d10	164	7.937	7.937 (1.000)	183979	4.00000		
	15	Acenaphthene	153	7.965	7.965 (1.004)	5216	0.10000	0.0974	
	16	Fluorene	166	8.489	8.489 (1.070)	5802	0.10000	0.108	
\$	17	2,4,6-Tribromophenol	330	8.746	8.746 (1.102)	8423	1.00000	0.753	
	18	Hexachlorobenzene	284	9.034	9.034 (0.961)	2250	0.10000	0.0919	
	19	Pentachlorophenol	266	9.276	9.276 (0.987)	1283	0.10000	0.412(M)	M1
*	20	Phenanthrene-d10	188	9.397	9.397 (1.000)	329273	4.00000		
	21	Phenanthrene	178	9.412	9.412 (1.002)	8156	0.10000	0.0997	
	22	Anthracene	178	9.473	9.473 (1.008)	9188	0.10000	0.0963	
\$	23	0-Terphenyl-MS	230	9.791	9.791 (1.042)	49040	1.00000	0.937	
	24	Fluoranthene	202	10.600	10.600 (1.128)	8230	0.10000	0.0904	
	25	Pyrene	202	10.845	10.845 (1.154)	9081	0.10000	0.0922	
\$	26	4-Terphenyl-d14	244	11.050	11.050 (1.176)	46256	1.00000	0.997	
	27	Benzo(a)anthracene	228	12.590	12.590 (0.999)	7826	0.10000	0.0956	
*	28	Chrysene-d12	240	12.601	12.601 (1.000)	315803	4.00000		
	29	Chrysene	228	12.644	12.644 (1.003)	9922	0.10000	0.105	
	30	Benzo(b)fluoranthene	252	14.800	14.800 (0.947)	5719	0.10000	0.196	
	31	Benzo(k)fluoranthene	252	14.854	14.854 (0.950)	8375	0.10000	0.0923	
	33	Benzo(a)pyrene	252	15.512	15.512 (0.992)	5399	0.10000	0.188	
*	34	Perylene-d12	264	15.631	15.631 (1.000)	303901	4.00000		

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
						CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
36 Indeno(1,2,3-cd)pyrene	276	18.231	18.231	(1.166)	4708	0.10000	0.285(M)	M1
37 Dibenzo(a,h)anthracene	278	18.332	18.332	(1.173)	8083	0.10000	0.193(M)	M1
38 Benzo(ghi)perylene	276	18.862	18.862	(1.207)	8766	0.10000	0.174(M)	M1

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Mork.i

Lab File ID: siml2.D

Lab Smp Id:

Analysis Type: SV

Quant Type: ISTD

Operator: nd

Method File: \\Orgserv1\\dd\\Chem\\GCMSEXT\\Mork.i\\100821ical.b\\mcp30s2.m

Misc Info:

Calibration Date: 21-AUG-2010

Calibration Time: 16:20

Level:

Sample Type:

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	106321	53161	212642	107898	1.48
6 Naphthalene-d8	316775	158388	633550	330480	4.33
14 Acenaphthene-d10	199609	99805	399218	183979	-7.83
20 Phenanthrene-d10	348986	174493	697972	329273	-5.65
28 Chrysene-d12	336425	168213	672850	315803	-6.13
34 Perylene-d12	315752	157876	631504	303901	-3.75

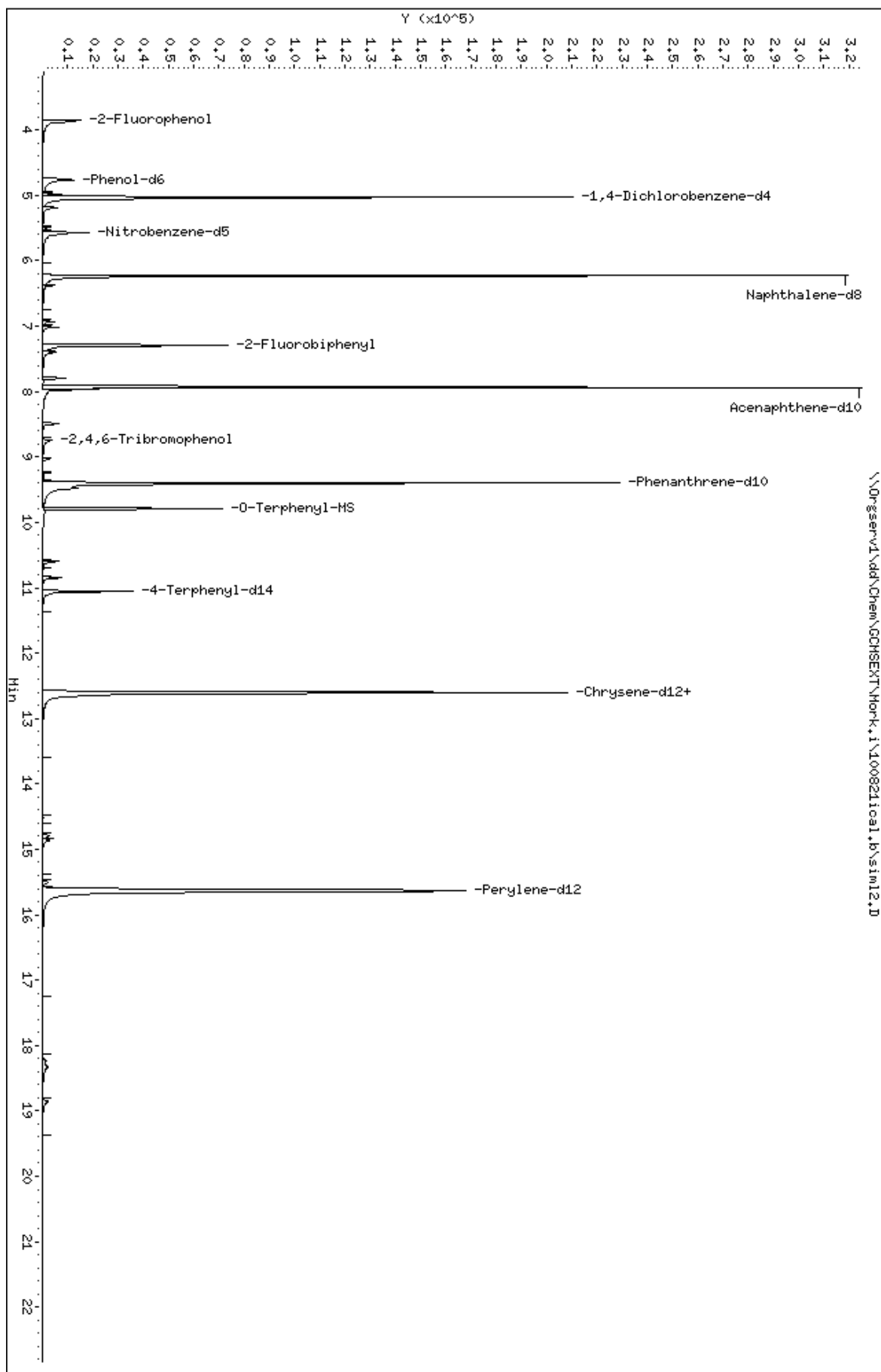
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	-0.04
6 Naphthalene-d8	6.23	5.73	6.73	6.23	-0.00
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	-0.00
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.60	12.10	13.10	12.60	-0.00
34 Perylene-d12	15.63	15.13	16.13	15.63	-0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\siml3.D
Lab Smp Id:
Inj Date : 21-AUG-2010 14:51
Operator : nd Inst ID: Mork.i
Smp Info : sim 0.20/2.0 lot 3018
Misc Info : ,ICAL5275
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:56 aal Quant Type: ISTD
Cal Date : 21-AUG-2010 14:51 Cal File: siml3.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS		
QUANT SIG						CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112	3.856	3.856	(0.766)	65666	2.00000	2.26	
\$ 2 Phenol-d6	99	4.751	4.751	(0.944)	58707	2.00000	2.01	
* 3 1,4-Dichlorobenzene-d4	152	5.031	5.031	(1.000)	104160	4.00000		
4 Hexachloroethane	117	5.493	5.493	(1.092)	3137	0.20000	0.203	
\$ 5 Nitrobenzene-d5	82	5.562	5.562	(1.106)	63958	2.00000	2.09	
* 6 Naphthalene-d8	136	6.231	6.231	(1.000)	330120	4.00000		
7 Naphthalene	128	6.248	6.248	(1.003)	17202	0.20000	0.193	
8 Hexachlorobutadiene	225	6.380	6.380	(1.024)	3662	0.20000	0.190	
9 2-Methylnaphthalene	142	6.930	6.930	(1.112)	8858	0.20000	0.169	
10 1-Methylnaphthalene	142	7.014	7.014	(1.126)	11573	0.20000	0.200	
\$ 11 2-Fluorobiphenyl	172	7.294	7.294	(1.171)	149803	2.00000	2.20	
12 2-Chloronaphthalene	162	7.406	7.406	(1.189)	10876	0.20000	0.182	
13 Acenaphthylene	152	7.797	7.797	(1.251)	14426	0.20000	0.180	
* 14 Acenaphthene-d10	164	7.937	7.937	(1.000)	176960	4.00000		
15 Acenaphthene	153	7.965	7.965	(1.004)	10278	0.20000	0.200	
16 Fluorene	166	8.489	8.489	(1.070)	11565	0.20000	0.223	
\$ 17 2,4,6-Tribromophenol	330	8.747	8.747	(1.102)	17270	2.00000	1.60	
18 Hexachlorobenzene	284	9.034	9.034	(0.961)	4864	0.20000	0.194	
19 Pentachlorophenol	266	9.276	9.276	(0.987)	1087	0.20000	0.416	
* 20 Phenanthrene-d10	188	9.397	9.397	(1.000)	337337	4.00000		
21 Phenanthrene	178	9.412	9.412	(1.002)	15113	0.20000	0.180	
22 Anthracene	178	9.473	9.473	(1.008)	20770	0.20000	0.212	
\$ 23 0-Terphenyl-MS	230	9.791	9.791	(1.042)	99227	2.00000	1.85	
24 Fluoranthene	202	10.600	10.600	(1.128)	16810	0.20000	0.180	
25 Pyrene	202	10.846	10.846	(1.154)	18707	0.20000	0.185	
\$ 26 4-Terphenyl-d14	244	11.050	11.050	(1.176)	94945	2.00000	2.00	
27 Benzo(a)anthracene	228	12.590	12.590	(0.999)	15026	0.20000	0.181	
* 28 Chrysene-d12	240	12.601	12.601	(1.000)	320248	4.00000		
29 Chrysene	228	12.644	12.644	(1.003)	19319	0.20000	0.201	
30 Benzo(b)fluoranthene	252	14.800	14.800	(0.946)	12204	0.20000	0.270	
31 Benzo(k)fluoranthene	252	14.854	14.854	(0.950)	17019	0.20000	0.188	
33 Benzo(a)pyrene	252	15.512	15.512	(0.992)	11821	0.20000	0.260	
* 34 Perylene-d12	264	15.642	15.642	(1.000)	303116	4.00000		

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT (ng)	ON -COL (ng)
=====	=====	=====	=====	=====	=====	=====	=====	=====
36 Indeno(1,2,3-cd)pyrene	276	18.226	18.226	(1.165)	20591	0.20000	0.400	
37 Dibenzo(a,h)anthracene	278	18.322	18.322	(1.171)	15760	0.20000	0.262	
38 Benzo(ghi)perylene	276	18.857	18.857	(1.206)	16938	0.20000	0.242	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 21-AUG-2010
 Lab File ID: siml3.D Calibration Time: 18:19
 Lab Smp Id:
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: nd
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m
 Misc Info: ,ICAL5275

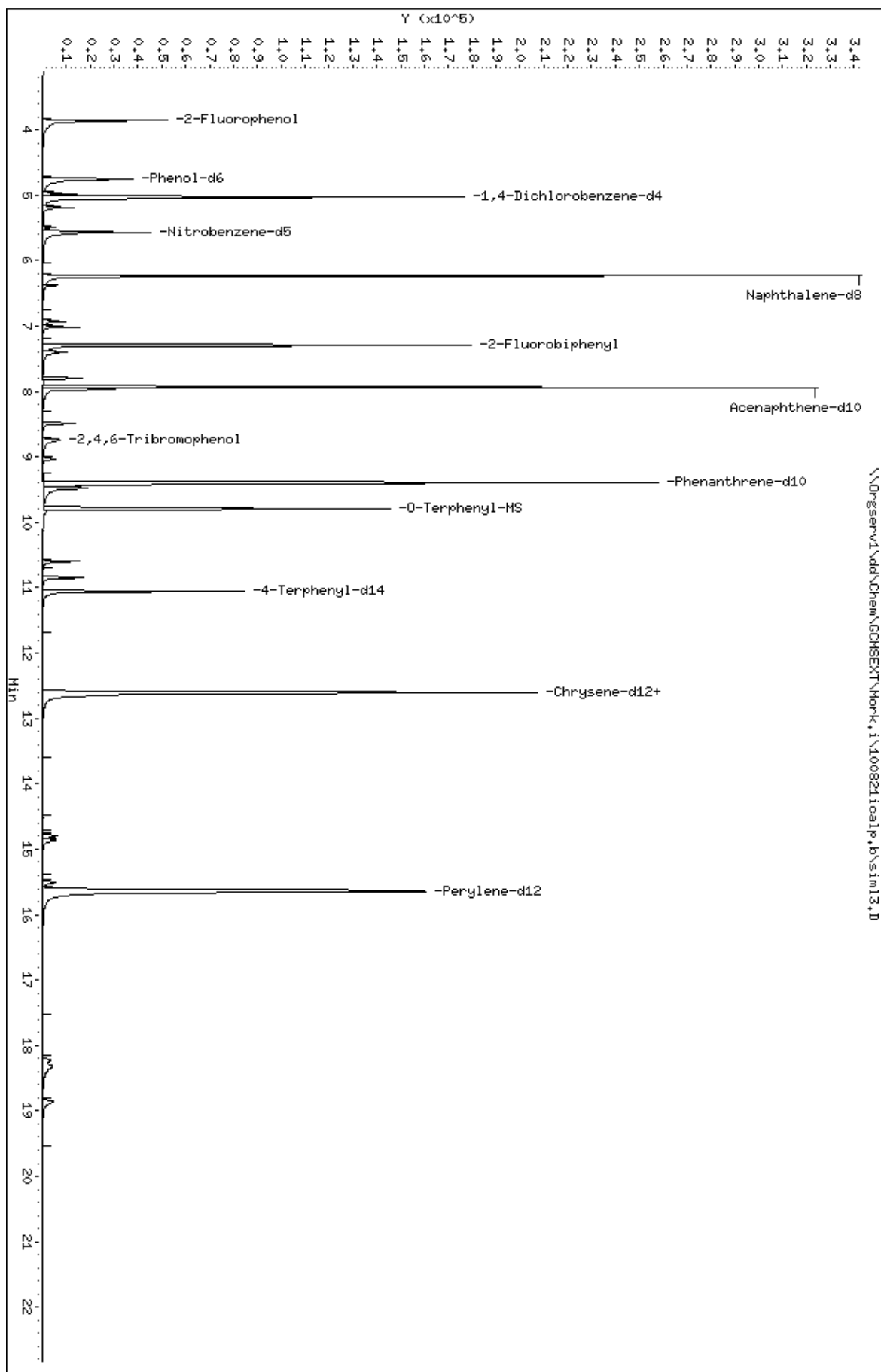
Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	106321	53161	212642	104160	-2.03
6 Naphthalene-d8	316775	158388	633550	330120	4.21
14 Acenaphthene-d10	199609	99805	399218	176960	-11.35
20 Phenanthrene-d10	348986	174493	697972	337337	-3.34
28 Chrysene-d12	336425	168213	672850	320248	-4.81
34 Perylene-d12	315752	157876	631504	303116	-4.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	0.00
6 Naphthalene-d8	6.23	5.73	6.73	6.23	-0.00
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.00
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.60	12.10	13.10	12.60	-0.00
34 Perylene-d12	15.63	15.13	16.13	15.64	0.07

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml3.D
Lab Smp Id:
Inj Date : 21-AUG-2010 14:51
Operator : nd Inst ID: Mork.i
Smp Info : sim 0.20/2.0 lot 3018
Misc Info :
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:54 Mork.i Quant Type: ISTD
Cal Date : 21-AUG-2010 14:21 Cal File: siml2.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS			
		QUANT SIG					CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====		=====	=====	=====	=====	=====	=====	=====	=====
\$	1	2-Fluorophenol	112	3.856	3.856 (0.766)	65666	2.00000	2.26	
\$	2	Phenol-d6	99	4.751	4.751 (0.944)	58707	2.00000	2.01	
*	3	1,4-Dichlorobenzene-d4	152	5.031	5.031 (1.000)	104160	4.00000		
	4	Hexachloroethane	117	5.493	5.493 (1.092)	3137	0.20000	0.203	
\$	5	Nitrobenzene-d5	82	5.562	5.562 (1.106)	63958	2.00000	2.09	
*	6	Naphthalene-d8	136	6.231	6.231 (1.000)	330120	4.00000		
	7	Naphthalene	128	6.248	6.248 (1.003)	17202	0.20000	0.193	
	8	Hexachlorobutadiene	225	6.380	6.380 (1.024)	3662	0.20000	0.190	
	9	2-Methylnaphthalene	142	6.930	6.930 (1.112)	8858	0.20000	0.169	
	10	1-Methylnaphthalene	142	7.014	7.014 (1.126)	11573	0.20000	0.200	
\$	11	2-Fluorobiphenyl	172	7.294	7.294 (1.171)	149803	2.00000	2.20	
	12	2-Chloronaphthalene	162	7.406	7.406 (1.189)	10876	0.20000	0.182	
	13	Acenaphthylene	152	7.797	7.797 (1.251)	14426	0.20000	0.180	
*	14	Acenaphthene-d10	164	7.937	7.937 (1.000)	176960	4.00000		
	15	Acenaphthene	153	7.965	7.965 (1.004)	10278	0.20000	0.200	
	16	Fluorene	166	8.489	8.489 (1.070)	11565	0.20000	0.223	
\$	17	2,4,6-Tribromophenol	330	8.747	8.747 (1.102)	17270	2.00000	1.60	
	18	Hexachlorobenzene	284	9.034	9.034 (0.961)	4864	0.20000	0.194	
	19	Pentachlorophenol	266	9.276	9.276 (0.987)	1457	0.20000	0.422(M)	M1
*	20	Phenanthrene-d10	188	9.397	9.397 (1.000)	337337	4.00000		
	21	Phenanthrene	178	9.412	9.412 (1.002)	15113	0.20000	0.180	
	22	Anthracene	178	9.473	9.473 (1.008)	20770	0.20000	0.212	
\$	23	0-Terphenyl-MS	230	9.791	9.791 (1.042)	99227	2.00000	1.85	
	24	Fluoranthene	202	10.600	10.600 (1.128)	16810	0.20000	0.180	
	25	Pyrene	202	10.846	10.846 (1.154)	18707	0.20000	0.185	
\$	26	4-Terphenyl-d14	244	11.050	11.050 (1.176)	94945	2.00000	2.00	
	27	Benzo(a)anthracene	228	12.590	12.590 (0.999)	15026	0.20000	0.181	
*	28	Chrysene-d12	240	12.601	12.601 (1.000)	320248	4.00000		
	29	Chrysene	228	12.644	12.644 (1.003)	19319	0.20000	0.201	
	30	Benzo(b)fluoranthene	252	14.800	14.800 (0.946)	12204	0.20000	0.270	
	31	Benzo(k)fluoranthene	252	14.854	14.854 (0.950)	17019	0.20000	0.188	
	33	Benzo(a)pyrene	252	15.512	15.512 (0.992)	11821	0.20000	0.260	
*	34	Perylene-d12	264	15.642	15.642 (1.000)	303116	4.00000		

Compounds	QUANT SIG	AMOUNTS						
		CAL-AMT	ON-COL	REVIEW CODE				
=====	=====	(ng)	(ng)	=====				
36 Indeno(1,2,3-cd)pyrene	276	18.226	18.226 (1.165)	11534	0.20000	0.341(M)	M1	
37 Dibenzo(a,h)anthracene	278	18.322	18.322 (1.171)	17673	0.20000	0.270(M)	M1	
38 Benzo(ghi)perylene	276	18.857	18.857 (1.206)	18114	0.20000	0.248(M)	M1	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i

Lab File ID: siml3.D

Lab Smp Id:

Analysis Type: SV

Quant Type: ISTD

Operator: nd

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m

Misc Info:

Calibration Date: 21-AUG-2010

Calibration Time: 16:20

Level:

Sample Type:

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	106321	53161	212642	104160	-2.03
6 Naphthalene-d8	316775	158388	633550	330120	4.21
14 Acenaphthene-d10	199609	99805	399218	176960	-11.35
20 Phenanthrene-d10	348986	174493	697972	337337	-3.34
28 Chrysene-d12	336425	168213	672850	320248	-4.81
34 Perylene-d12	315752	157876	631504	303116	-4.00

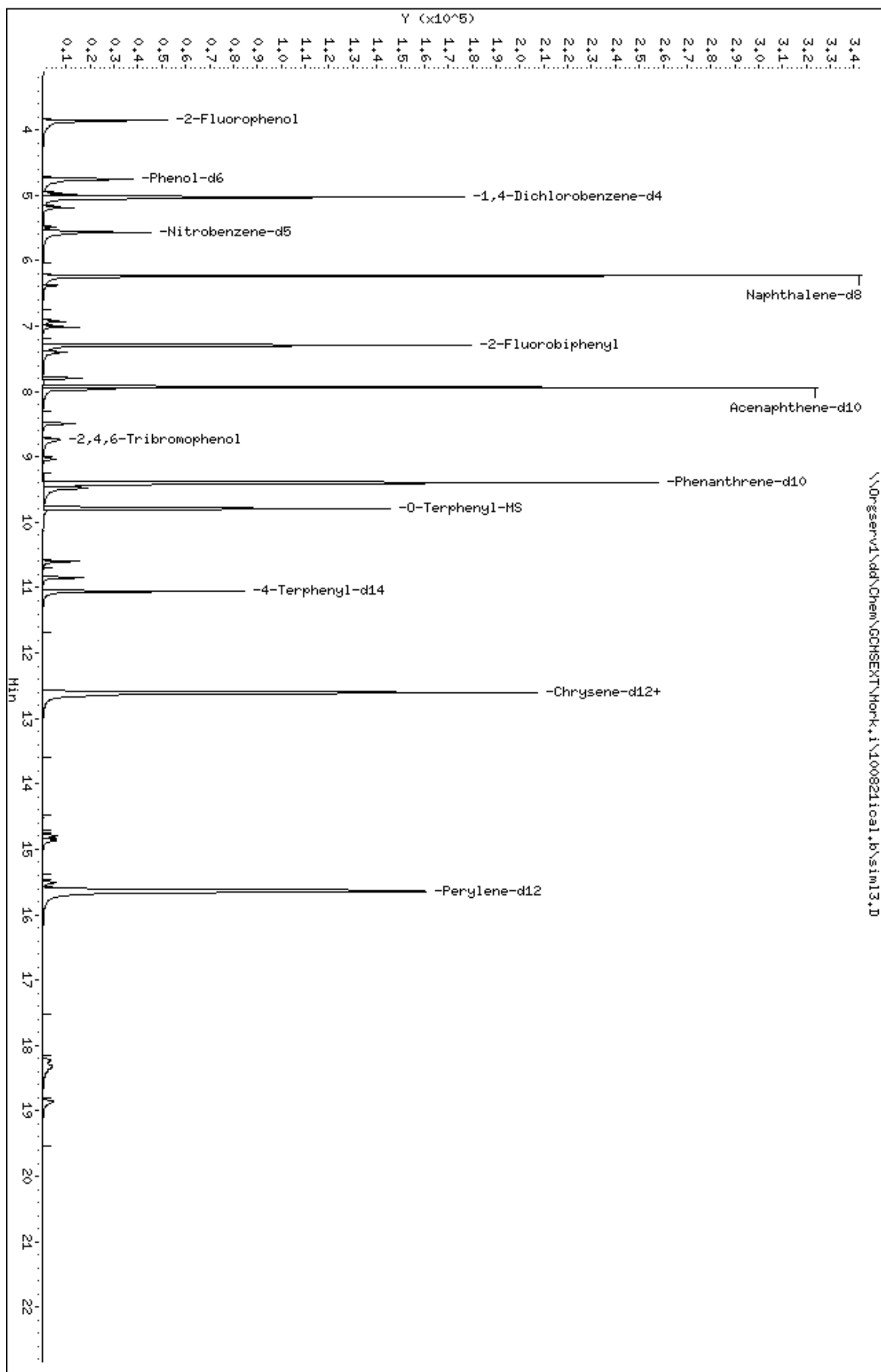
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	0.00
6 Naphthalene-d8	6.23	5.73	6.73	6.23	-0.00
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.00
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.60	12.10	13.10	12.60	-0.00
34 Perylene-d12	15.63	15.13	16.13	15.64	0.07

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\siml4.D
Lab Smp Id:
Inj Date : 21-AUG-2010 15:20
Operator : nd Inst ID: Mork.i
Smp Info : sim 0.5/5.0 lot 3019
Misc Info : ,ICAL5275
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:56 aal Quant Type: ISTD
Cal Date : 21-AUG-2010 15:20 Cal File: siml4.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS		
QUANT SIG						CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112	3.853	3.853	(0.766)	170981	5.00000	5.11	
\$ 2 Phenol-d6	99	4.748	4.748	(0.944)	151309	5.00000	4.49	
* 3 1,4-Dichlorobenzene-d4	152	5.028	5.028	(1.000)	120322	4.00000		
4 Hexachloroethane	117	5.489	5.489	(1.092)	8386	0.50000	0.471	
\$ 5 Nitrobenzene-d5	82	5.559	5.559	(1.106)	156711	5.00000	4.44	
* 6 Naphthalene-d8	136	6.230	6.230	(1.000)	329263	4.00000		
7 Naphthalene	128	6.248	6.248	(1.003)	43091	0.50000	0.485	
8 Hexachlorobutadiene	225	6.388	6.388	(1.025)	9247	0.50000	0.480	
9 2-Methylnaphthalene	142	6.917	6.917	(1.110)	24537	0.50000	0.469	
10 1-Methylnaphthalene	142	7.015	7.015	(1.126)	28370	0.50000	0.492	
\$ 11 2-Fluorobiphenyl	172	7.294	7.294	(1.171)	354155	5.00000	5.22	
12 2-Chloronaphthalene	162	7.392	7.392	(1.187)	29245	0.50000	0.491	
13 Acenaphthylene	152	7.798	7.798	(1.252)	36139	0.50000	0.452	
* 14 Acenaphthene-d10	164	7.938	7.938	(1.000)	178142	4.00000		
15 Acenaphthene	153	7.966	7.966	(1.004)	25097	0.50000	0.484	
16 Fluorene	166	8.489	8.489	(1.069)	27482	0.50000	0.527	
\$ 17 2,4,6-Tribromophenol	330	8.731	8.731	(1.100)	50987	5.00000	4.71	
18 Hexachlorobenzene	284	9.033	9.033	(0.961)	12587	0.50000	0.496	
19 Pentachlorophenol	266	9.260	9.260	(0.986)	2958	0.50000	0.552	
* 20 Phenanthrene-d10	188	9.397	9.397	(1.000)	340796	4.00000		
21 Phenanthrene	178	9.412	9.412	(1.002)	38705	0.50000	0.457	
22 Anthracene	178	9.472	9.472	(1.008)	51405	0.50000	0.521	
\$ 23 0-Terphenyl-MS	230	9.790	9.790	(1.042)	282214	5.00000	5.21	
24 Fluoranthene	202	10.591	10.591	(1.127)	44416	0.50000	0.471	
25 Pyrene	202	10.845	10.845	(1.154)	48709	0.50000	0.478	
\$ 26 4-Terphenyl-d14	244	11.050	11.050	(1.176)	240196	5.00000	5.00	
27 Benzo(a)anthracene	228	12.589	12.589	(0.999)	37599	0.50000	0.453	
* 28 Chrysene-d12	240	12.600	12.600	(1.000)	320585	4.00000		
29 Chrysene	228	12.643	12.643	(1.003)	48593	0.50000	0.505	
30 Benzo(b)fluoranthene	252	14.789	14.789	(0.946)	31505	0.50000	0.489	
31 Benzo(k)fluoranthene	252	14.854	14.854	(0.950)	45510	0.50000	0.501	
33 Benzo(a)pyrene	252	15.512	15.512	(0.992)	33007	0.50000	0.495	
* 34 Perylene-d12	264	15.641	15.641	(1.000)	304337	4.00000		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
36 Indeno(1,2,3-cd)pyrene	276	18.205	18.205	(1.164)	36344	0.50000	0.529	
37 Dibenzo(a,h)anthracene	278	18.301	18.301	(1.170)	44702	0.50000	0.496	
38 Benzo(ghi)perylene	276	18.840	18.840	(1.205)	46971	0.50000	0.480	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 21-AUG-2010
 Lab File ID: siml4.D Calibration Time: 18:19
 Lab Smp Id:
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: nd
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m
 Misc Info: ,ICAL5275

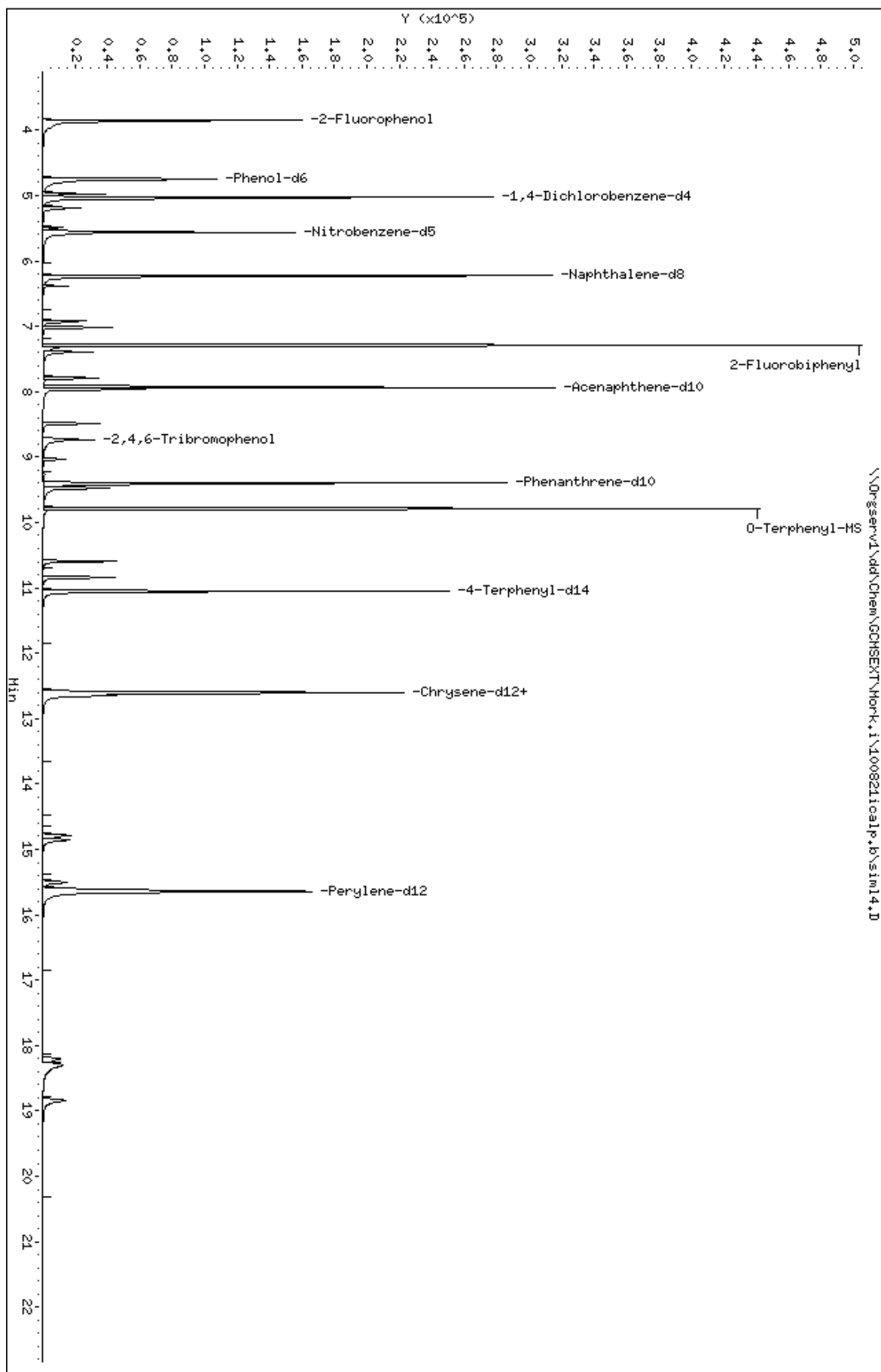
Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	106321	53161	212642	120322	13.17
6 Naphthalene-d8	316775	158388	633550	329263	3.94
14 Acenaphthene-d10	199609	99805	399218	178142	-10.75
20 Phenanthrene-d10	348986	174493	697972	340796	-2.35
28 Chrysene-d12	336425	168213	672850	320585	-4.71
34 Perylene-d12	315752	157876	631504	304337	-3.62

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	-0.06
6 Naphthalene-d8	6.23	5.73	6.73	6.23	-0.01
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.01
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	-0.01
28 Chrysene-d12	12.60	12.10	13.10	12.60	-0.00
34 Perylene-d12	15.63	15.13	16.13	15.64	0.07

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml4.D
Lab Smp Id:
Inj Date : 21-AUG-2010 15:20
Operator : nd Inst ID: Mork.i
Smp Info : sim 0.5/5.0 lot 3019
Misc Info :
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:54 Mork.i Quant Type: ISTD
Cal Date : 21-AUG-2010 14:51 Cal File: siml3.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS			
		QUANT SIG					CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====		=====	=====	=====	=====	=====	=====	=====	=====
\$	1 2-Fluorophenol	112	3.853	3.853	(0.766)	170981	5.00000	5.11	
	2 Phenol-d6	99	4.748	4.748	(0.944)	151309	5.00000	4.49	
*	3 1,4-Dichlorobenzene-d4	152	5.028	5.028	(1.000)	120322	4.00000		
	4 Hexachloroethane	117	5.489	5.489	(1.092)	8386	0.50000	0.471	
\$	5 Nitrobenzene-d5	82	5.559	5.559	(1.106)	156711	5.00000	4.44	
*	6 Naphthalene-d8	136	6.230	6.230	(1.000)	329263	4.00000		
	7 Naphthalene	128	6.248	6.248	(1.003)	43091	0.50000	0.485	
	8 Hexachlorobutadiene	225	6.388	6.388	(1.025)	9247	0.50000	0.480	
	9 2-Methylnaphthalene	142	6.917	6.917	(1.110)	24537	0.50000	0.469	
	10 1-Methylnaphthalene	142	7.015	7.015	(1.126)	28370	0.50000	0.492	
\$	11 2-Fluorobiphenyl	172	7.294	7.294	(1.171)	354155	5.00000	5.22	
	12 2-Chloronaphthalene	162	7.392	7.392	(1.187)	29245	0.50000	0.491	
	13 Acenaphthylene	152	7.798	7.798	(1.252)	36139	0.50000	0.452	
*	14 Acenaphthene-d10	164	7.938	7.938	(1.000)	178142	4.00000		
	15 Acenaphthene	153	7.966	7.966	(1.004)	25097	0.50000	0.484	
	16 Fluorene	166	8.489	8.489	(1.069)	27482	0.50000	0.527	
\$	17 2,4,6-Tribromophenol	330	8.731	8.731	(1.100)	50987	5.00000	4.71	
	18 Hexachlorobenzene	284	9.033	9.033	(0.961)	12587	0.50000	0.496	
	19 Pentachlorophenol	266	9.260	9.260	(0.986)	2958	0.50000	0.532	
*	20 Phenanthrene-d10	188	9.397	9.397	(1.000)	340796	4.00000		
	21 Phenanthrene	178	9.412	9.412	(1.002)	38705	0.50000	0.457	
	22 Anthracene	178	9.472	9.472	(1.008)	51405	0.50000	0.521	
\$	23 0-Terphenyl-MS	230	9.790	9.790	(1.042)	282214	5.00000	5.21	
	24 Fluoranthene	202	10.591	10.591	(1.127)	44416	0.50000	0.471	
	25 Pyrene	202	10.845	10.845	(1.154)	48709	0.50000	0.478	
\$	26 4-Terphenyl-d14	244	11.050	11.050	(1.176)	240196	5.00000	5.00	
	27 Benzo(a)anthracene	228	12.589	12.589	(0.999)	37599	0.50000	0.453	
*	28 Chrysene-d12	240	12.600	12.600	(1.000)	320585	4.00000		
	29 Chrysene	228	12.643	12.643	(1.003)	48593	0.50000	0.505	
	30 Benzo(b)fluoranthene	252	14.789	14.789	(0.946)	31505	0.50000	0.489	
	31 Benzo(k)fluoranthene	252	14.854	14.854	(0.950)	45510	0.50000	0.501	
	33 Benzo(a)pyrene	252	15.512	15.512	(0.992)	33007	0.50000	0.495	
*	34 Perylene-d12	264	15.641	15.641	(1.000)	304337	4.00000		

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
36 Indeno(1,2,3-cd)pyrene	276	18.205	18.205	(1.164)	36344	0.50000	0.546		
37 Dibenzo(a,h)anthracene	278	18.301	18.301	(1.170)	47768	0.50000	0.509(M)	M1	
38 Benzo(ghi)perylene	276	18.840	18.840	(1.205)	48839	0.50000	0.490(M)	M1	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 21-AUG-2010
 Lab File ID: siml4.D Calibration Time: 16:20
 Lab Smp Id:
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: nd
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
 Misc Info:

Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	106321	53161	212642	120322	13.17
6 Naphthalene-d8	316775	158388	633550	329263	3.94
14 Acenaphthene-d10	199609	99805	399218	178142	-10.75
20 Phenanthrene-d10	348986	174493	697972	340796	-2.35
28 Chrysene-d12	336425	168213	672850	320585	-4.71
34 Perylene-d12	315752	157876	631504	304337	-3.62

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	-0.06
6 Naphthalene-d8	6.23	5.73	6.73	6.23	-0.01
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.01
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	-0.01
28 Chrysene-d12	12.60	12.10	13.10	12.60	-0.00
34 Perylene-d12	15.63	15.13	16.13	15.64	0.07

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\dd\Chem\GCHSEXT\Hork,i\100821\cal,b\sim14.D

Date : 21-AUG-2010 15:20

Client ID:

Sample Info: sim 0.5/5.0 lot 3019

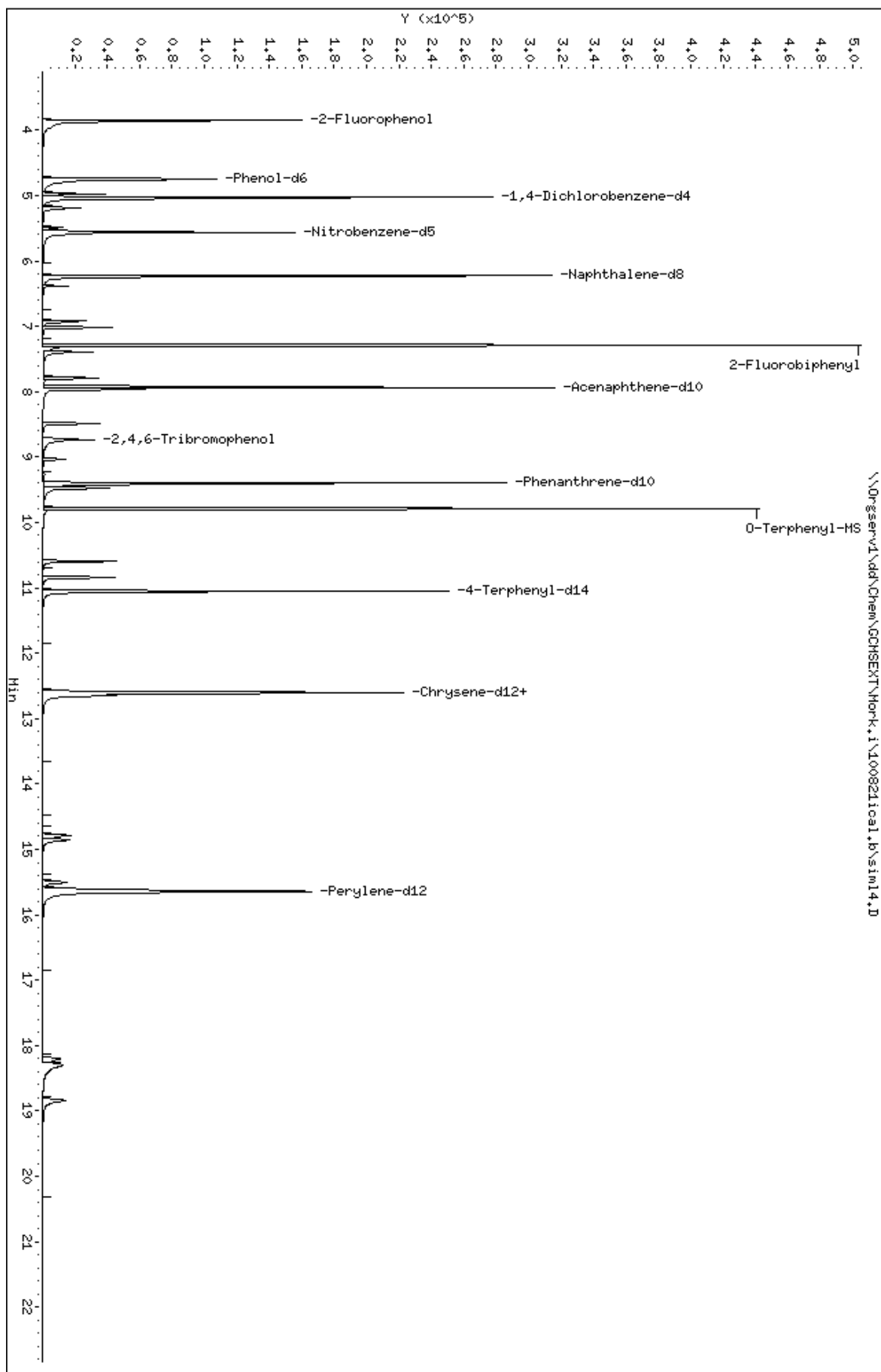
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Instrument: Hork,i

Operator: nd

Column diameter: 0.32

Page 4



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml5.D
Lab Smp Id:
Inj Date : 21-AUG-2010 15:50
Operator : nd Inst ID: Mork.i
Smp Info : sim 1.0/10 lot 3020
Misc Info :
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:54 Mork.i Quant Type: ISTD
Cal Date : 21-AUG-2010 15:20 Cal File: siml4.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS			
		QUANT SIG					CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====		=====	=====	=====	=====	=====	=====	=====	=====
\$	1	2-Fluorophenol	112	3.854	3.854 (0.766)	307948	10.0000	9.23	
\$	2	Phenol-d6	99	4.749	4.749 (0.944)	340090	10.0000	10.1	
*	3	1,4-Dichlorobenzene-d4	152	5.029	5.029 (1.000)	119951	4.00000		
	4	Hexachloroethane	117	5.490	5.490 (1.092)	17057	1.00000	0.960	
\$	5	Nitrobenzene-d5	82	5.560	5.560 (1.106)	312329	10.0000	8.88	
*	6	Naphthalene-d8	136	6.231	6.231 (1.000)	327204	4.00000		
	7	Naphthalene	128	6.249	6.249 (1.003)	89120	1.00000	1.01	
	8	Hexachlorobutadiene	225	6.389	6.389 (1.025)	19218	1.00000	1.00	
	9	2-Methylnaphthalene	142	6.916	6.916 (1.110)	49862	1.00000	0.958	
	10	1-Methylnaphthalene	142	7.014	7.014 (1.126)	60798	1.00000	1.06	
\$	11	2-Fluorobiphenyl	172	7.294	7.294 (1.171)	679376	10.0000	10.1	
	12	2-Chloronaphthalene	162	7.392	7.392 (1.186)	58926	1.00000	0.996	
	13	Acenaphthylene	152	7.797	7.797 (1.251)	81678	1.00000	1.03	
*	14	Acenaphthene-d10	164	7.937	7.937 (1.000)	203903	4.00000		
	15	Acenaphthene	153	7.965	7.965 (1.004)	58242	1.00000	0.981	
	16	Fluorene	166	8.489	8.489 (1.070)	52613	1.00000	0.881	
\$	17	2,4,6-Tribromophenol	330	8.731	8.731 (1.100)	120069	10.0000	9.68	
	18	Hexachlorobenzene	284	9.034	9.034 (0.961)	24635	1.00000	1.01	
	19	Pentachlorophenol	266	9.261	9.261 (0.986)	6730	1.00000	0.830	
*	20	Phenanthrene-d10	188	9.397	9.397 (1.000)	326771	4.00000		
	21	Phenanthrene	178	9.412	9.412 (1.002)	81546	1.00000	1.00	
	22	Anthracene	178	9.473	9.473 (1.008)	101650	1.00000	1.07	
\$	23	0-Terphenyl-MS	230	9.791	9.791 (1.042)	598359	10.0000	11.5	
	24	Fluoranthene	202	10.592	10.592 (1.127)	96437	1.00000	1.07	
	25	Pyrene	202	10.838	10.838 (1.153)	103027	1.00000	1.05	
\$	26	4-Terphenyl-d14	244	11.051	11.051 (1.176)	495442	10.0000	10.8	
	27	Benzo(a)anthracene	228	12.590	12.590 (0.999)	80123	1.00000	0.966	
*	28	Chrysene-d12	240	12.601	12.601 (1.000)	319964	4.00000		
	29	Chrysene	228	12.644	12.644 (1.003)	98717	1.00000	1.03	
	30	Benzo(b)fluoranthene	252	14.790	14.790 (0.946)	75631	1.00000	0.994	
	31	Benzo(k)fluoranthene	252	14.844	14.844 (0.949)	94670	1.00000	1.04	
	33	Benzo(a)pyrene	252	15.502	15.502 (0.991)	74306	1.00000	0.958	
*	34	Perylene-d12	264	15.642	15.642 (1.000)	303297	4.00000		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
36 Indeno(1,2,3-cd)pyrene	276	18.182	18.182	(1.162)	80546	1.00000	0.913	
37 Dibenzo(a,h)anthracene	278	18.279	18.279	(1.169)	103915	1.00000	0.958	
38 Benzo(ghi)perylene	276	18.826	18.826	(1.204)	109910	1.00000	0.974	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 21-AUG-2010
 Lab File ID: siml5.D Calibration Time: 16:20
 Lab Smp Id:
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: nd
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
 Misc Info:

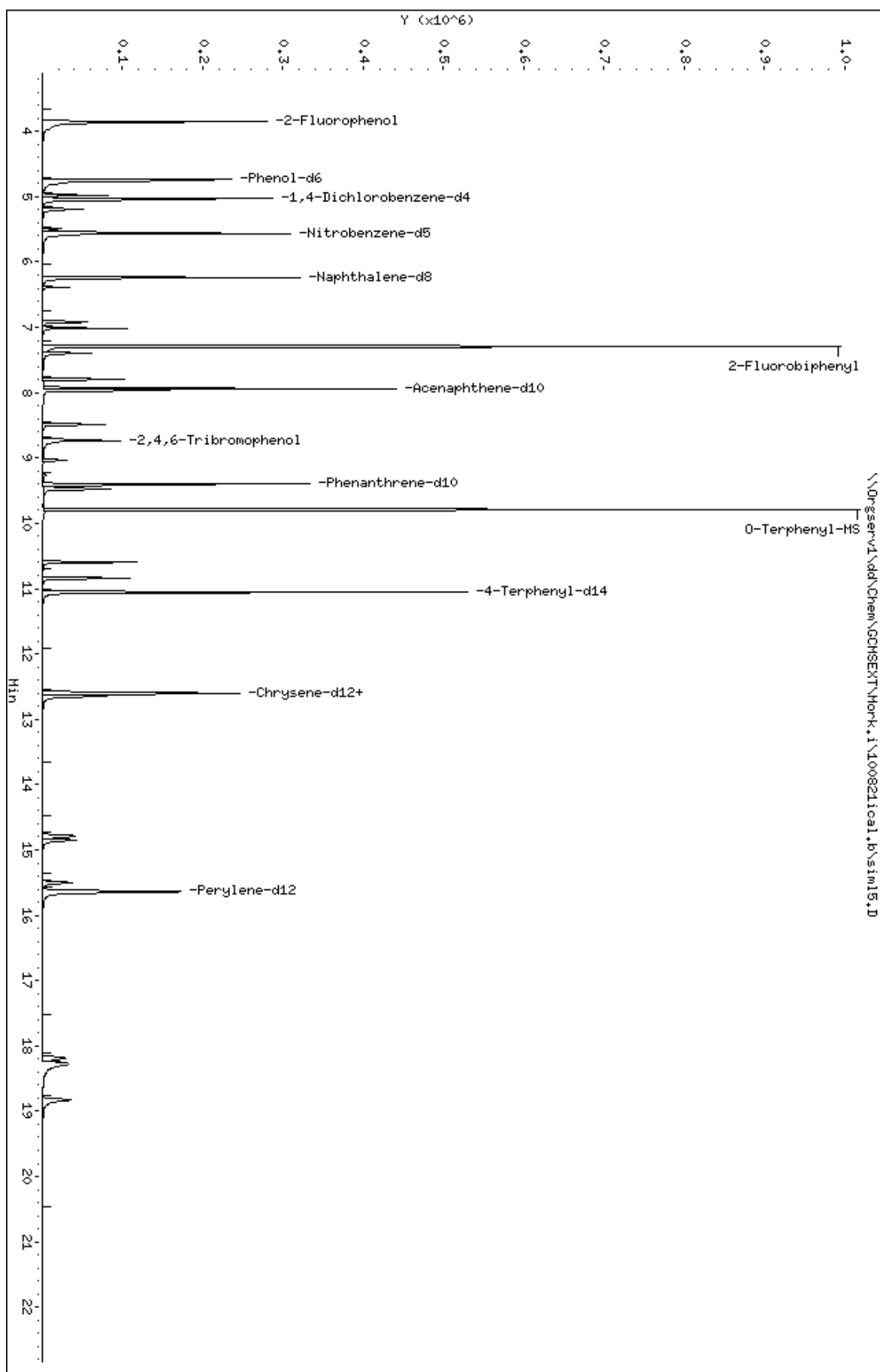
Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	106321	53161	212642	119951	12.82
6 Naphthalene-d8	316775	158388	633550	327204	3.29
14 Acenaphthene-d10	199609	99805	399218	203903	2.15
20 Phenanthrene-d10	348986	174493	697972	326771	-6.37
28 Chrysene-d12	336425	168213	672850	319964	-4.89
34 Perylene-d12	315752	157876	631504	303297	-3.94

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	-0.04
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.00
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.00
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.60	12.10	13.10	12.60	0.00
34 Perylene-d12	15.63	15.13	16.13	15.64	0.07

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\siml6.D
Lab Smp Id:
Inj Date : 21-AUG-2010 16:20
Operator : hl Inst ID: Mork.i
Smp Info : sim 2.0/20 lot 3021
Misc Info : ,ICAL5275
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:56 aal Quant Type: ISTD
Cal Date : 21-AUG-2010 16:20 Cal File: siml6.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112	3.842	3.842	(0.764)	738094	20.0000	24.9		
\$ 2 Phenol-d6	99	4.737	4.737	(0.942)	638283	20.0000	21.4		
* 3 1,4-Dichlorobenzene-d4	152	5.031	5.031	(1.000)	106321	4.00000			
4 Hexachloroethane	117	5.492	5.492	(1.092)	33192	2.00000	2.11		
\$ 5 Nitrobenzene-d5	82	5.548	5.548	(1.103)	681424	20.0000	21.8		
* 6 Naphthalene-d8	136	6.231	6.231	(1.000)	316775	4.00000			
7 Naphthalene	128	6.249	6.249	(1.003)	181825	2.00000	2.13		
8 Hexachlorobutadiene	225	6.389	6.389	(1.025)	38500	2.00000	2.08		
9 2-Methylnaphthalene	142	6.916	6.916	(1.110)	119610	2.00000	2.37		
10 1-Methylnaphthalene	142	7.014	7.014	(1.126)	110305	2.00000	1.99		
\$ 11 2-Fluorobiphenyl	172	7.294	7.294	(1.171)	1343718	20.0000	20.6		
12 2-Chloronaphthalene	162	7.392	7.392	(1.186)	123504	2.00000	2.16		
13 Acenaphthylene	152	7.797	7.797	(1.251)	153347	2.00000	1.99		
* 14 Acenaphthene-d10	164	7.937	7.937	(1.000)	199609	4.00000			
15 Acenaphthene	153	7.965	7.965	(1.004)	116055	2.00000	2.00		
16 Fluorene	166	8.489	8.489	(1.070)	103434	2.00000	1.77		
\$ 17 2,4,6-Tribromophenol	330	8.731	8.731	(1.100)	237516	20.0000	19.6		
18 Hexachlorobenzene	284	9.034	9.034	(0.961)	56015	2.00000	2.16		
19 Pentachlorophenol	266	9.246	9.246	(0.984)	23737	2.00000	2.04		
* 20 Phenanthrene-d10	188	9.397	9.397	(1.000)	348986	4.00000			
21 Phenanthrene	178	9.412	9.412	(1.002)	184677	2.00000	2.13		
22 Anthracene	178	9.473	9.473	(1.008)	155901	2.00000	1.56		
\$ 23 0-Terphenyl-MS	230	9.791	9.791	(1.042)	1144000	20.0000	20.6		
24 Fluoranthene	202	10.592	10.592	(1.127)	202281	2.00000	2.10		
25 Pyrene	202	10.837	10.837	(1.153)	217130	2.00000	2.08		
\$ 26 4-Terphenyl-d14	244	11.058	11.058	(1.177)	991621	20.0000	20.2		
27 Benzo(a)anthracene	228	12.590	12.590	(0.999)	174044	2.00000	2.00		
* 28 Chrysene-d12	240	12.601	12.601	(1.000)	336425	4.00000			
29 Chrysene	228	12.644	12.644	(1.003)	198077	2.00000	1.96		
30 Benzo(b)fluoranthene	252	14.779	14.779	(0.946)	157846	2.00000	1.86		
31 Benzo(k)fluoranthene	252	14.844	14.844	(0.950)	204202	2.00000	2.17		
33 Benzo(a)pyrene	252	15.501	15.501	(0.992)	163560	2.00000	1.88		
* 34 Perylene-d12	264	15.631	15.631	(1.000)	315752	4.00000			

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
36 Indeno(1,2,3-cd)pyrene	276	18.173	18.173	(1.163)	193744	2.00000	1.77	
37 Dibenzo(a,h)anthracene	278	18.265	18.265	(1.169)	229769	2.00000	1.90	
38 Benzo(ghi)perylene	276	18.817	18.817	(1.204)	237159	2.00000	1.91	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i

Lab File ID: siml6.D

Lab Smp Id:

Analysis Type: SV

Quant Type: ISTD

Operator: hl

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m

Misc Info: ,ICAL5275

Calibration Date: 21-AUG-2010

Calibration Time: 16:20

Level:

Sample Type:

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	121644	60822	243288	106321	-12.60
6 Naphthalene-d8	322090	161045	644180	316775	-1.65
14 Acenaphthene-d10	204410	102205	408820	199609	-2.35
20 Phenanthrene-d10	352303	176152	704606	348986	-0.94
28 Chrysene-d12	328248	164124	656496	336425	2.49
34 Perylene-d12	314530	157265	629060	315752	0.39

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	0.04
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.00
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	-0.00
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	-0.00
28 Chrysene-d12	12.60	12.10	13.10	12.60	0.00
34 Perylene-d12	15.64	15.14	16.14	15.63	-0.07

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 21-AUG-2010 16:20

Client ID:

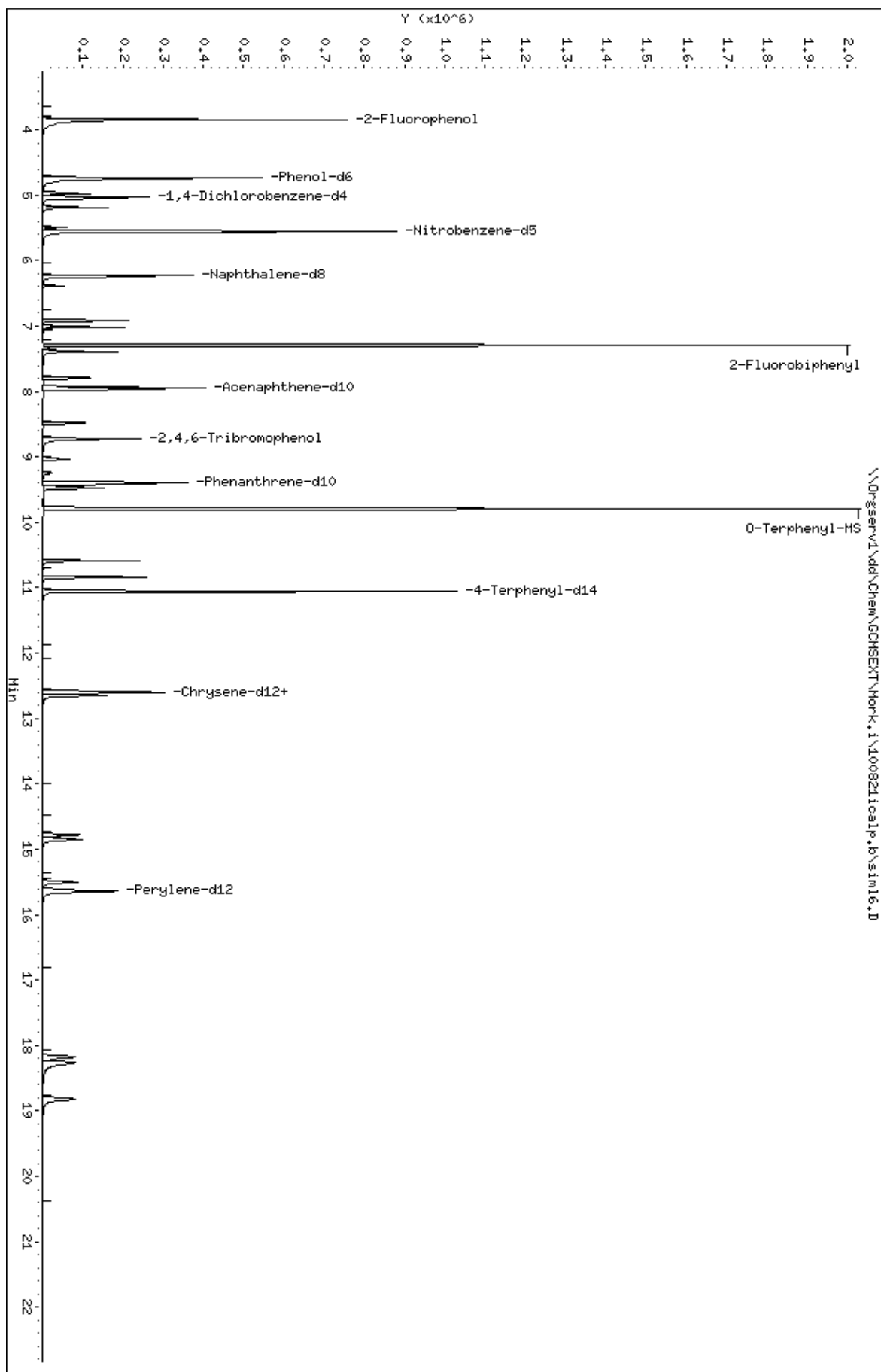
Sample Info: sim 2.0/20 lot 3021

Instrument: Hork,i

Operator: hl

Column diameter: 0.32

Column phase: RTX-5



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml6.D
Lab Smp Id:
Inj Date : 21-AUG-2010 16:20
Operator : hl Inst ID: Mork.i
Smp Info : sim 2.0/20 lot 3021
Misc Info :
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:54 Mork.i Quant Type: ISTD
Cal Date : 21-AUG-2010 15:50 Cal File: siml5.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS			
		QUANT SIG					CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====		=====	=====	=====	=====	=====	=====	=====	=====
\$	1	2-Fluorophenol	112	3.842	3.842 (0.764)	737823	20.0000	24.9	
\$	2	Phenol-d6	99	4.737	4.737 (0.942)	638283	20.0000	21.4	
*	3	1,4-Dichlorobenzene-d4	152	5.031	5.031 (1.000)	106321	4.00000		
	4	Hexachloroethane	117	5.492	5.492 (1.092)	33192	2.00000	2.11	
\$	5	Nitrobenzene-d5	82	5.548	5.548 (1.103)	681200	20.0000	21.8	
*	6	Naphthalene-d8	136	6.231	6.231 (1.000)	316775	4.00000		
	7	Naphthalene	128	6.249	6.249 (1.003)	181825	2.00000	2.13	
	8	Hexachlorobutadiene	225	6.389	6.389 (1.025)	38500	2.00000	2.08	
	9	2-Methylnaphthalene	142	6.916	6.916 (1.110)	119610	2.00000	2.37	
	10	1-Methylnaphthalene	142	7.014	7.014 (1.126)	110305	2.00000	1.99	
\$	11	2-Fluorobiphenyl	172	7.294	7.294 (1.171)	1343718	20.0000	20.6	
	12	2-Chloronaphthalene	162	7.392	7.392 (1.186)	123504	2.00000	2.16	
	13	Acenaphthylene	152	7.797	7.797 (1.251)	153347	2.00000	1.99	
*	14	Acenaphthene-d10	164	7.937	7.937 (1.000)	199609	4.00000		
	15	Acenaphthene	153	7.965	7.965 (1.004)	116055	2.00000	2.00	
	16	Fluorene	166	8.489	8.489 (1.070)	103434	2.00000	1.77	
\$	17	2,4,6-Tribromophenol	330	8.731	8.731 (1.100)	237516	20.0000	19.6	
	18	Hexachlorobenzene	284	9.034	9.034 (0.961)	56015	2.00000	2.16	
	19	Pentachlorophenol	266	9.246	9.246 (0.984)	23688	2.00000	2.02	
*	20	Phenanthrene-d10	188	9.397	9.397 (1.000)	348986	4.00000		
	21	Phenanthrene	178	9.412	9.412 (1.002)	184677	2.00000	2.13	
	22	Anthracene	178	9.473	9.473 (1.008)	182127	2.00000	1.80(M)	M1
\$	23	0-Terphenyl-MS	230	9.791	9.791 (1.042)	1144000	20.0000	20.6	
	24	Fluoranthene	202	10.592	10.592 (1.127)	202281	2.00000	2.10	
	25	Pyrene	202	10.837	10.837 (1.153)	217130	2.00000	2.08	
\$	26	4-Terphenyl-d14	244	11.058	11.058 (1.177)	991621	20.0000	20.2	
	27	Benzo(a)anthracene	228	12.590	12.590 (0.999)	174044	2.00000	2.00	
*	28	Chrysene-d12	240	12.601	12.601 (1.000)	336425	4.00000		
	29	Chrysene	228	12.644	12.644 (1.003)	198077	2.00000	1.96	
	30	Benzo(b)fluoranthene	252	14.779	14.779 (0.946)	157846	2.00000	1.86	
	31	Benzo(k)fluoranthene	252	14.844	14.844 (0.950)	204202	2.00000	2.17	
	33	Benzo(a)pyrene	252	15.501	15.501 (0.992)	163560	2.00000	1.88	
*	34	Perylene-d12	264	15.631	15.631 (1.000)	315752	4.00000		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL	RT	EXP RT	REL RT	RESPONSE	
=====	=====	(ng)	(ng)	=====	=====	=====	=====	=====
36 Indeno(1,2,3-cd)pyrene	276	18.173	18.173 (1.163)	193744	2.00000	1.79		
37 Dibenzo(a,h)anthracene	278	18.265	18.265 (1.169)	229769	2.00000	1.89		
38 Benzo(ghi)perylene	276	18.817	18.817 (1.204)	237051	2.00000	1.91		

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 21-AUG-2010
 Lab File ID: siml6.D Calibration Time: 16:20
 Lab Smp Id:
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: hl
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
 Misc Info:

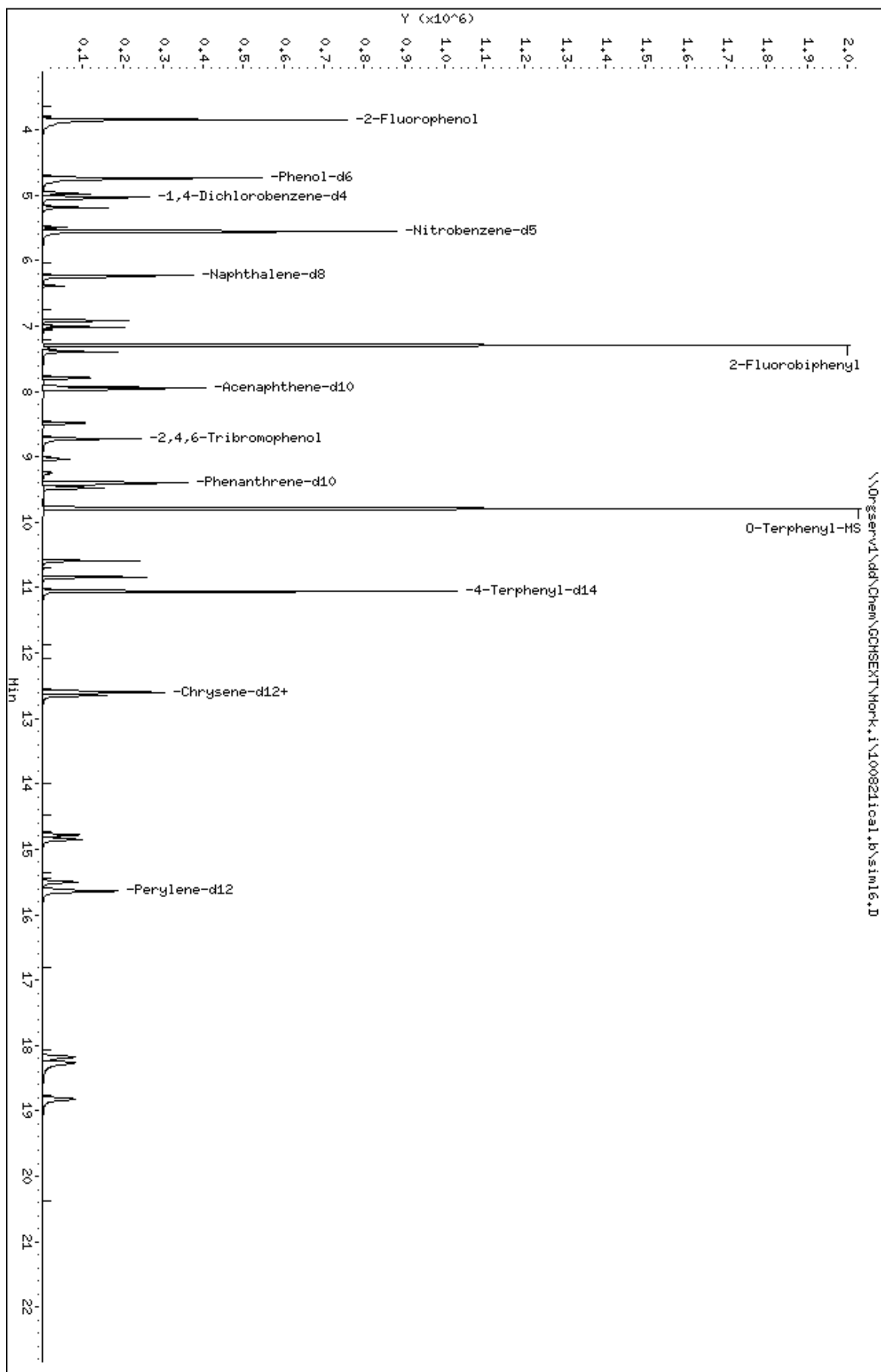
Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	106321	53161	212642	106321	0.00
6 Naphthalene-d8	316775	158388	633550	316775	0.00
14 Acenaphthene-d10	199609	99805	399218	199609	0.00
20 Phenanthrene-d10	348986	174493	697972	348986	0.00
28 Chrysene-d12	336425	168213	672850	336425	0.00
34 Perylene-d12	315752	157876	631504	315752	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	0.00
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.00
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.00
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.60	12.10	13.10	12.60	0.00
34 Perylene-d12	15.63	15.13	16.13	15.63	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\siml7.D
Lab Smp Id:
Inj Date : 21-AUG-2010 16:49
Operator : hl
Smp Info : sim 5.0/40 lot 3022
Misc Info : ,ICAL5275
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:56 aal
Cal Date : 21-AUG-2010 16:49
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: ABN-6

Inst ID: Mork.i

Quant Type: ISTD
Cal File: siml7.D
Calibration Sample, Level: 7

Compound Sublist: abncal.sub

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112	3.840	3.840	(0.764)	1303525	40.0000	37.9		
\$ 2 Phenol-d6	99	4.736	4.736	(0.942)	1498495	40.0000	43.3		
* 3 1,4-Dichlorobenzene-d4	152	5.029	5.029	(1.000)	123612	4.00000			
4 Hexachloroethane	117	5.491	5.491	(1.092)	89491	5.00000	4.89		
\$ 5 Nitrobenzene-d5	82	5.561	5.561	(1.106)	1449161	40.0000	40.0		
* 6 Naphthalene-d8	136	6.231	6.231	(1.000)	327239	4.00000			
7 Naphthalene	128	6.249	6.249	(1.003)	454292	5.00000	5.14		
8 Hexachlorobutadiene	225	6.389	6.389	(1.025)	98466	5.00000	5.14		
9 2-Methylnaphthalene	142	6.916	6.916	(1.110)	310704	5.00000	5.97		
10 1-Methylnaphthalene	142	7.014	7.014	(1.126)	270552	5.00000	4.72		
\$ 11 2-Fluorobiphenyl	172	7.294	7.294	(1.171)	2284586	40.0000	33.9		
12 2-Chloronaphthalene	162	7.392	7.392	(1.186)	306541	5.00000	5.18		
13 Acenaphthylene	152	7.797	7.797	(1.251)	397872	5.00000	5.01		
* 14 Acenaphthene-d10	164	7.937	7.937	(1.000)	198995	4.00000			
15 Acenaphthene	153	7.965	7.965	(1.004)	300683	5.00000	5.19		
16 Fluorene	166	8.474	8.474	(1.068)	273842	5.00000	4.70		
\$ 17 2,4,6-Tribromophenol	330	8.732	8.732	(1.100)	577886	40.0000	47.8		
18 Hexachlorobenzene	284	9.034	9.034	(0.961)	146610	5.00000	5.72		
19 Pentachlorophenol	266	9.246	9.246	(0.984)	56573	5.00000	4.45		
* 20 Phenanthrene-d10	188	9.397	9.397	(1.000)	344413	4.00000			
21 Phenanthrene	178	9.413	9.413	(1.002)	488831	5.00000	5.71		
22 Anthracene	178	9.473	9.473	(1.008)	398895	5.00000	4.09		
\$ 23 0-Terphenyl-MS	230	9.791	9.791	(1.042)	1697581	40.0000	31.0		
24 Fluoranthene	202	10.592	10.592	(1.127)	516900	5.00000	5.42		
25 Pyrene	202	10.838	10.838	(1.153)	564624	5.00000	5.48		
\$ 26 4-Terphenyl-d14	244	11.059	11.059	(1.177)	1991613	40.0000	41.0		
27 Benzo(a)anthracene	228	12.590	12.590	(0.999)	464632	5.00000	5.17		
* 28 Chrysene-d12	240	12.601	12.601	(1.000)	346813	4.00000			

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
29 Chrysene	228	12.644	12.644	(1.003)	503919	5.00000	4.84	
30 Benzo(b)fluoranthene	252	14.779	14.779	(0.945)	437262	5.00000	4.78	
31 Benzo(k)fluoranthene	252	14.844	14.844	(0.949)	511989	5.00000	5.27	
33 Benzo(a)pyrene	252	15.502	15.502	(0.991)	453151	5.00000	4.85	
* 34 Perylene-d12	264	15.642	15.642	(1.000)	325378	4.00000		
36 Indeno(1,2,3-cd)pyrene	276	18.169	18.169	(1.162)	573834	5.00000	4.66	
37 Dibenzo(a,h)anthracene	278	18.261	18.261	(1.167)	626607	5.00000	4.80	
38 Benzo(ghi)perylene	276	18.818	18.818	(1.203)	642887	5.00000	4.85	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i

Lab File ID: siml7.D

Lab Smp Id:

Analysis Type: SV

Quant Type: ISTD

Operator: hl

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m

Misc Info: ,ICAL5275

Calibration Date: 21-AUG-2010

Calibration Time: 16:20

Level: LOW

Sample Type: WATER

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	121644	60822	243288	123612	1.62
6 Naphthalene-d8	322090	161045	644180	327239	1.60
14 Acenaphthene-d10	204410	102205	408820	198995	-2.65
20 Phenanthrene-d10	352303	176152	704606	344413	-2.24
28 Chrysene-d12	328248	164124	656496	346813	5.66
34 Perylene-d12	314530	157265	629060	325378	3.45

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	0.01
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.01
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.00
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.60	12.10	13.10	12.60	0.01
34 Perylene-d12	15.64	15.14	16.14	15.64	0.01

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 21-AUG-2010 16:49

Client ID:

Sample Info: sim 5.0/40 lot 3022

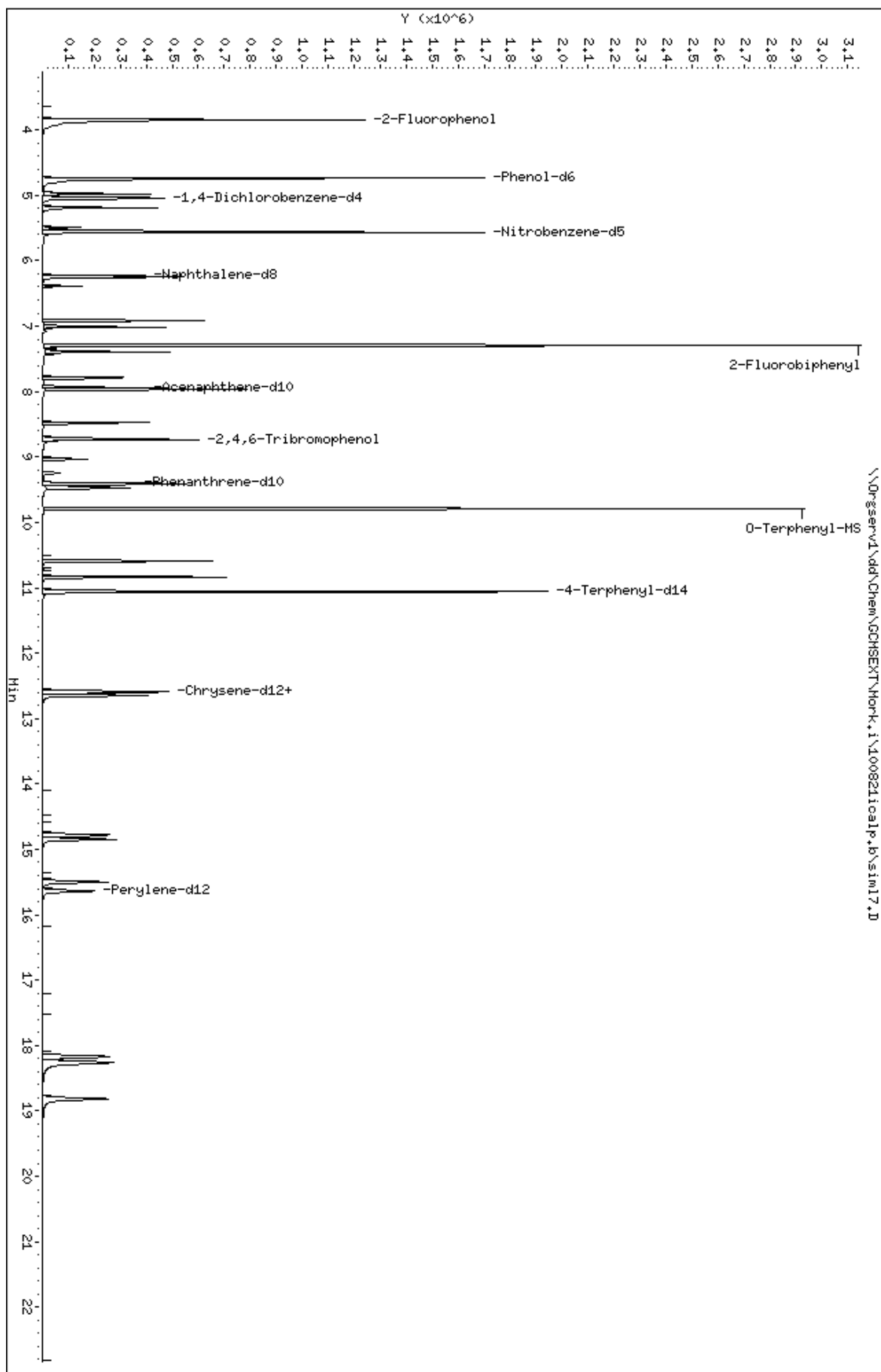
Purge Volume: 1000.0

Column phase: RTX-5

Instrument: Hork,i

Operator: hl

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml7.D
Lab Smp Id:
Inj Date : 21-AUG-2010 16:49
Operator : hl Inst ID: Mork.i
Smp Info : sim 5.0/40 lot 3022
Misc Info :
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:54 Mork.i Quant Type: ISTD
Cal Date : 21-AUG-2010 16:20 Cal File: siml6.D
Als bottle: 7 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112	3.840	3.840	(0.764)	1303913	40.0000	37.9		
\$ 2 Phenol-d6	99	4.736	4.736	(0.942)	1498495	40.0000	43.3		
* 3 1,4-Dichlorobenzene-d4	152	5.029	5.029	(1.000)	123612	4.00000			
4 Hexachloroethane	117	5.491	5.491	(1.092)	89491	5.00000	4.89		
\$ 5 Nitrobenzene-d5	82	5.561	5.561	(1.106)	1449161	40.0000	40.0		
* 6 Naphthalene-d8	136	6.231	6.231	(1.000)	327239	4.00000			
7 Naphthalene	128	6.249	6.249	(1.003)	454292	5.00000	5.14		
8 Hexachlorobutadiene	225	6.389	6.389	(1.025)	98466	5.00000	5.14		
9 2-Methylnaphthalene	142	6.916	6.916	(1.110)	310704	5.00000	5.97		
10 1-Methylnaphthalene	142	7.014	7.014	(1.126)	270552	5.00000	4.72		
\$ 11 2-Fluorobiphenyl	172	7.294	7.294	(1.171)	2284586	40.0000	33.9		
12 2-Chloronaphthalene	162	7.392	7.392	(1.186)	306541	5.00000	5.18		
13 Acenaphthylene	152	7.797	7.797	(1.251)	397872	5.00000	5.01		
* 14 Acenaphthene-d10	164	7.937	7.937	(1.000)	198995	4.00000			
15 Acenaphthene	153	7.965	7.965	(1.004)	300683	5.00000	5.19		
16 Fluorene	166	8.474	8.474	(1.068)	273842	5.00000	4.70		
\$ 17 2,4,6-Tribromophenol	330	8.732	8.732	(1.100)	577886	40.0000	47.8		
18 Hexachlorobenzene	284	9.034	9.034	(0.961)	146610	5.00000	5.72		
19 Pentachlorophenol	266	9.246	9.246	(0.984)	57007	5.00000	4.46		
* 20 Phenanthrene-d10	188	9.397	9.397	(1.000)	344413	4.00000			
21 Phenanthrene	178	9.413	9.413	(1.002)	488831	5.00000	5.71		
22 Anthracene	178	9.473	9.473	(1.008)	434711	5.00000	4.36(M)		M1
\$ 23 0-Terphenyl-MS	230	9.791	9.791	(1.042)	1697581	40.0000	31.0		
24 Fluoranthene	202	10.592	10.592	(1.127)	516900	5.00000	5.42		
25 Pyrene	202	10.838	10.838	(1.153)	564624	5.00000	5.48		
\$ 26 4-Terphenyl-d14	244	11.059	11.059	(1.177)	1991613	40.0000	41.0		
27 Benzo(a)anthracene	228	12.590	12.590	(0.999)	464632	5.00000	5.17		
* 28 Chrysene-d12	240	12.601	12.601	(1.000)	346813	4.00000			

Compounds	QUANT SIG MASS						AMOUNTS		REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE		CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====		=====	=====	=====
29 Chrysene	228	12.644	12.644	(1.003)	503919		5.00000	4.84	
30 Benzo(b)fluoranthene	252	14.779	14.779	(0.945)	437262		5.00000	4.78	
31 Benzo(k)fluoranthene	252	14.844	14.844	(0.949)	511989		5.00000	5.27	
33 Benzo(a)pyrene	252	15.502	15.502	(0.991)	453151		5.00000	4.85	
* 34 Perylene-d12	264	15.642	15.642	(1.000)	325378		4.00000		
36 Indeno(1,2,3-cd)pyrene	276	18.169	18.169	(1.162)	573834		5.00000	4.68	
37 Dibenzo(a,h)anthracene	278	18.261	18.261	(1.167)	626607		5.00000	4.79	
38 Benzo(ghi)perylene	276	18.818	18.818	(1.203)	643100		5.00000	4.85	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i

Lab File ID: siml7.D

Lab Smp Id:

Analysis Type: SV

Quant Type: ISTD

Operator: hl

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m

Misc Info:

Calibration Date: 21-AUG-2010

Calibration Time: 16:20

Level: LOW

Sample Type: WATER

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	106321	53161	212642	123612	16.26
6 Naphthalene-d8	316775	158388	633550	327239	3.30
14 Acenaphthene-d10	199609	99805	399218	198995	-0.31
20 Phenanthrene-d10	348986	174493	697972	344413	-1.31
28 Chrysene-d12	336425	168213	672850	346813	3.09
34 Perylene-d12	315752	157876	631504	325378	3.05

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	-0.03
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.00
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.00
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.60	12.10	13.10	12.60	0.00
34 Perylene-d12	15.63	15.13	16.13	15.64	0.07

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 21-AUG-2010 16:49

Client ID:

Sample Info: sim 5.0/40 lot 3022

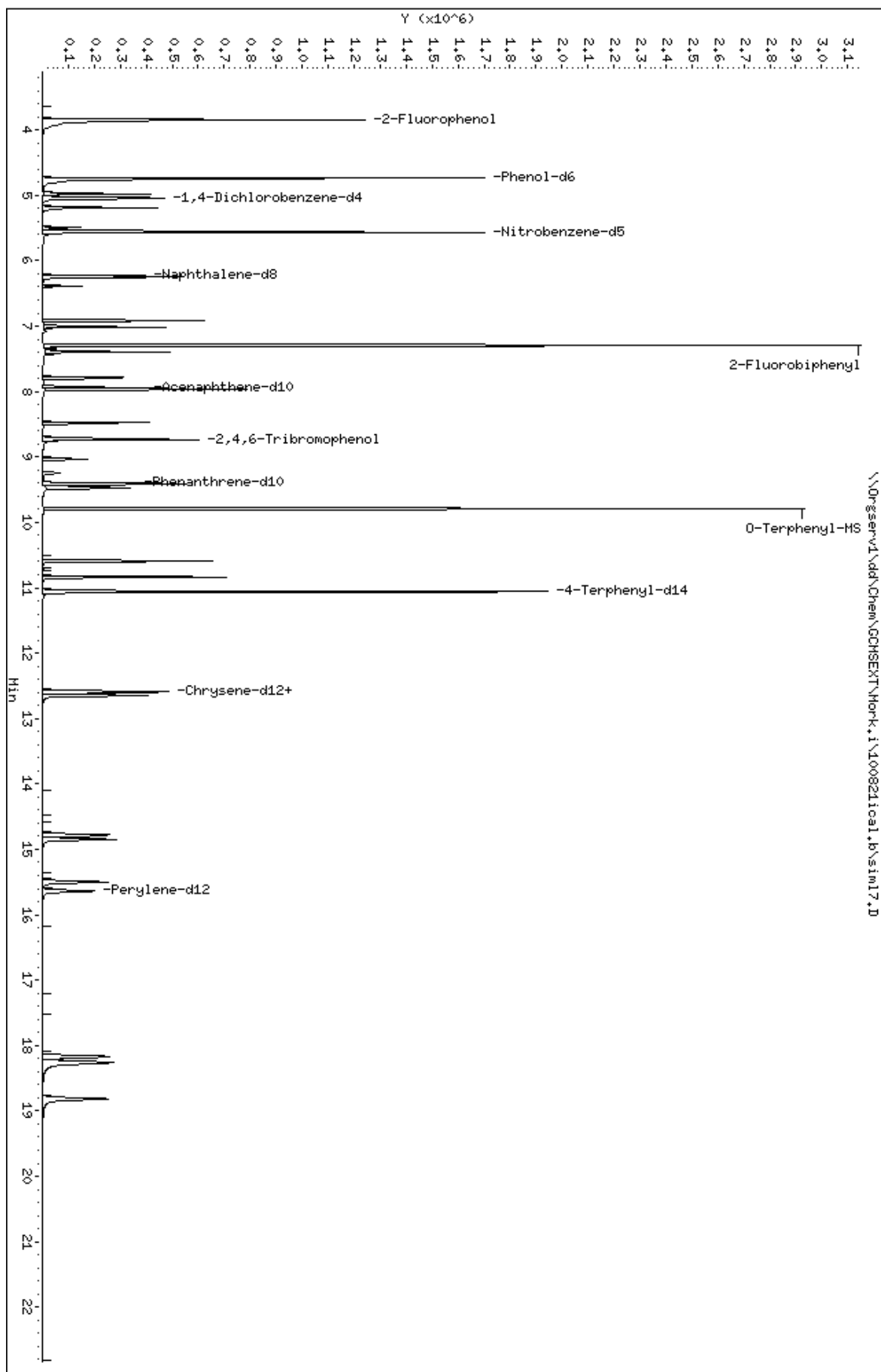
Purge Volume: 1000.0

Column phase: RTX-5

Instrument: Hork,i

Operator: hl

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\siml8.D
Lab Smp Id:
Inj Date : 21-AUG-2010 17:19
Operator : hl Inst ID: Mork.i
Smp Info : sim 10/50 lot 3023
Misc Info : ,ICAL5275
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:56 aal Quant Type: ISTD
Cal Date : 21-AUG-2010 17:19 Cal File: siml8.D
Als bottle: 8 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						AMOUNTS		
QUANT SIG						CAL-AMT	ON-COL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112	3.842	3.842	(0.764)	1567006	50.0000	47.0	
\$ 2 Phenol-d6	99	4.737	4.737	(0.942)	1781478	50.0000	53.1	
* 3 1,4-Dichlorobenzene-d4	152	5.031	5.031	(1.000)	119819	4.00000		
4 Hexachloroethane	117	5.493	5.493	(1.092)	175588	10.0000	9.90	
\$ 5 Nitrobenzene-d5	82	5.563	5.563	(1.106)	1875445	50.0000	53.4	
* 6 Naphthalene-d8	136	6.230	6.230	(1.000)	327687	4.00000		
7 Naphthalene	128	6.247	6.247	(1.003)	882603	10.0000	9.98	
8 Hexachlorobutadiene	225	6.387	6.387	(1.025)	200940	10.0000	10.5	
9 2-Methylnaphthalene	142	6.917	6.917	(1.110)	610321	10.0000	11.7	
10 1-Methylnaphthalene	142	7.015	7.015	(1.126)	573782	10.0000	10.0	
\$ 11 2-Fluorobiphenyl	172	7.294	7.294	(1.171)	2977214	50.0000	44.1	
12 2-Chloronaphthalene	162	7.392	7.392	(1.187)	579494	10.0000	9.78	
13 Acenaphthylene	152	7.798	7.798	(1.252)	845375	10.0000	10.6	
* 14 Acenaphthene-d10	164	7.937	7.937	(1.000)	201401	4.00000		
15 Acenaphthene	153	7.965	7.965	(1.004)	629244	10.0000	10.7	
16 Fluorene	166	8.474	8.474	(1.068)	522804	10.0000	8.86	
\$ 17 2,4,6-Tribromophenol	330	8.732	8.732	(1.100)	729533	50.0000	59.6	
18 Hexachlorobenzene	284	9.034	9.034	(0.961)	283282	10.0000	10.5	
19 Pentachlorophenol	266	9.246	9.246	(0.984)	129903	10.0000	9.31	
* 20 Phenanthrene-d10	188	9.397	9.397	(1.000)	362669	4.00000		
21 Phenanthrene	178	9.412	9.412	(1.002)	803442	10.0000	8.92	
22 Anthracene	178	9.473	9.473	(1.008)	930259	10.0000	9.11	
\$ 23 0-Terphenyl-MS	230	9.791	9.791	(1.042)	2205997	50.0000	38.2	
24 Fluoranthene	202	10.591	10.591	(1.127)	1034887	10.0000	10.3	
25 Pyrene	202	10.836	10.836	(1.153)	1119590	10.0000	10.3	
\$ 26 4-Terphenyl-d14	244	11.066	11.066	(1.178)	2458675	50.0000	48.1	
27 Benzo(a)anthracene	228	12.590	12.590	(0.998)	933370	10.0000	10.6	
* 28 Chrysene-d12	240	12.611	12.611	(1.000)	341058	4.00000		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
29 Chrysene	228	12.655	12.655	(1.003)	991403	10.0000	9.69	
30 Benzo(b)fluoranthene	252	14.790	14.790	(0.946)	917863	10.0000	10.1	
31 Benzo(k)fluoranthene	252	14.854	14.854	(0.950)	1005759	10.0000	10.5	
33 Benzo(a)pyrene	252	15.512	15.512	(0.992)	933373	10.0000	10.0	
* 34 Perylene-d12	264	15.642	15.642	(1.000)	319782	4.00000		
36 Indeno(1,2,3-cd)pyrene	276	18.186	18.186	(1.163)	1227132	10.0000	9.88	
37 Dibenzo(a,h)anthracene	278	18.274	18.274	(1.168)	1309439	10.0000	10.0	
38 Benzo(ghi)perylene	276	18.835	18.835	(1.204)	1325085	10.0000	10.0	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i

Lab File ID: siml8.D

Lab Smp Id:

Analysis Type: SV

Quant Type: ISTD

Operator: hl

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m

Misc Info: ,ICAL5275

Calibration Date: 21-AUG-2010

Calibration Time: 16:20

Level: LOW

Sample Type: WATER

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	121644	60822	243288	119819	-1.50
6 Naphthalene-d8	322090	161045	644180	327687	1.74
14 Acenaphthene-d10	204410	102205	408820	201401	-1.47
20 Phenanthrene-d10	352303	176152	704606	362669	2.94
28 Chrysene-d12	328248	164124	656496	341058	3.90
34 Perylene-d12	314530	157265	629060	319782	1.67

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	0.04
6 Naphthalene-d8	6.23	5.73	6.73	6.23	-0.02
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.01
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.60	12.10	13.10	12.61	0.09
34 Perylene-d12	15.64	15.14	16.14	15.64	0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 21-AUG-2010 17:19

Client ID:

Sample Info: sim 10/50 lot 3023

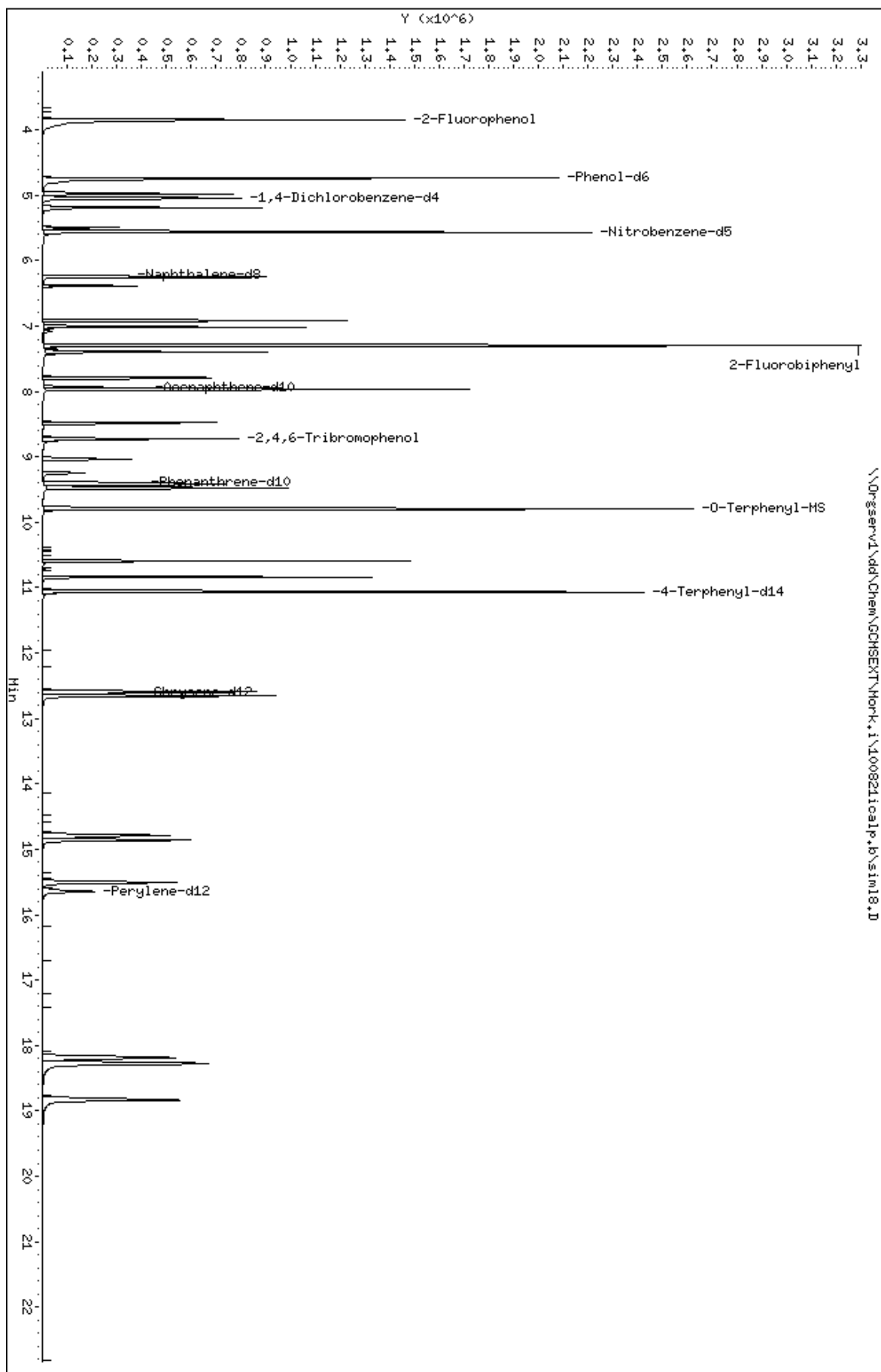
Purge Volume: 1000.0

Column phase: RTX-5

Instrument: Hork,i

Operator: hl

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml8.D
Lab Smp Id:
Inj Date : 21-AUG-2010 17:19
Operator : hl Inst ID: Mork.i
Smp Info : sim 10/50 lot 3023
Misc Info :
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:54 Mork.i Quant Type: ISTD
Cal Date : 21-AUG-2010 16:49 Cal File: siml7.D
Als bottle: 8 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112	3.842	3.842	(0.764)	1567006	50.0000	47.0		
\$ 2 Phenol-d6	99	4.737	4.737	(0.942)	1781478	50.0000	53.1		
* 3 1,4-Dichlorobenzene-d4	152	5.031	5.031	(1.000)	119819	4.00000			
4 Hexachloroethane	117	5.493	5.493	(1.092)	175588	10.0000	9.90		
\$ 5 Nitrobenzene-d5	82	5.563	5.563	(1.106)	1875445	50.0000	53.4		
* 6 Naphthalene-d8	136	6.230	6.230	(1.000)	327687	4.00000			
7 Naphthalene	128	6.247	6.247	(1.003)	882603	10.0000	9.98		
8 Hexachlorobutadiene	225	6.387	6.387	(1.025)	200940	10.0000	10.5		
9 2-Methylnaphthalene	142	6.917	6.917	(1.110)	610321	10.0000	11.7		
10 1-Methylnaphthalene	142	7.015	7.015	(1.126)	573782	10.0000	10.0		
\$ 11 2-Fluorobiphenyl	172	7.294	7.294	(1.171)	2977214	50.0000	44.1		
12 2-Chloronaphthalene	162	7.392	7.392	(1.187)	579494	10.0000	9.78		
13 Acenaphthylene	152	7.798	7.798	(1.252)	845375	10.0000	10.6		
* 14 Acenaphthene-d10	164	7.937	7.937	(1.000)	201401	4.00000			
15 Acenaphthene	153	7.965	7.965	(1.004)	629244	10.0000	10.7		
16 Fluorene	166	8.474	8.474	(1.068)	522804	10.0000	8.86		
\$ 17 2,4,6-Tribromophenol	330	8.732	8.732	(1.100)	729533	50.0000	59.6		
18 Hexachlorobenzene	284	9.034	9.034	(0.961)	283282	10.0000	10.5		
19 Pentachlorophenol	266	9.246	9.246	(0.984)	129903	10.0000	9.30		
* 20 Phenanthrene-d10	188	9.397	9.397	(1.000)	362669	4.00000			
21 Phenanthrene	178	9.412	9.412	(1.002)	803442	10.0000	8.92		
22 Anthracene	178	9.473	9.473	(1.008)	979246	10.0000	9.32(M)		M1
\$ 23 0-Terphenyl-MS	230	9.791	9.791	(1.042)	2205997	50.0000	38.2		
24 Fluoranthene	202	10.591	10.591	(1.127)	1034887	10.0000	10.3		
25 Pyrene	202	10.836	10.836	(1.153)	1119590	10.0000	10.3		
\$ 26 4-Terphenyl-d14	244	11.066	11.066	(1.178)	2458675	50.0000	48.1		
27 Benzo(a)anthracene	228	12.590	12.590	(0.998)	933370	10.0000	10.6		
* 28 Chrysene-d12	240	12.611	12.611	(1.000)	341058	4.00000			

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
29 Chrysene	228	12.655	12.655	(1.003)	991403	10.0000	9.69	
30 Benzo(b)fluoranthene	252	14.790	14.790	(0.946)	917863	10.0000	10.1	
31 Benzo(k)fluoranthene	252	14.854	14.854	(0.950)	1005759	10.0000	10.5	
33 Benzo(a)pyrene	252	15.512	15.512	(0.992)	933373	10.0000	10.0	
* 34 Perylene-d12	264	15.642	15.642	(1.000)	319782	4.00000		
36 Indeno(1,2,3-cd)pyrene	276	18.186	18.186	(1.163)	1227132	10.0000	9.89	
37 Dibenzo(a,h)anthracene	278	18.274	18.274	(1.168)	1309439	10.0000	10.0	
38 Benzo(ghi)perylene	276	18.835	18.835	(1.204)	1325085	10.0000	10.0	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i

Lab File ID: siml8.D

Lab Smp Id:

Analysis Type: SV

Quant Type: ISTD

Operator: hl

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m

Misc Info:

Calibration Date: 21-AUG-2010

Calibration Time: 16:20

Level: LOW

Sample Type: WATER

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	106321	53161	212642	119819	12.70
6 Naphthalene-d8	316775	158388	633550	327687	3.44
14 Acenaphthene-d10	199609	99805	399218	201401	0.90
20 Phenanthrene-d10	348986	174493	697972	362669	3.92
28 Chrysene-d12	336425	168213	672850	341058	1.38
34 Perylene-d12	315752	157876	631504	319782	1.28

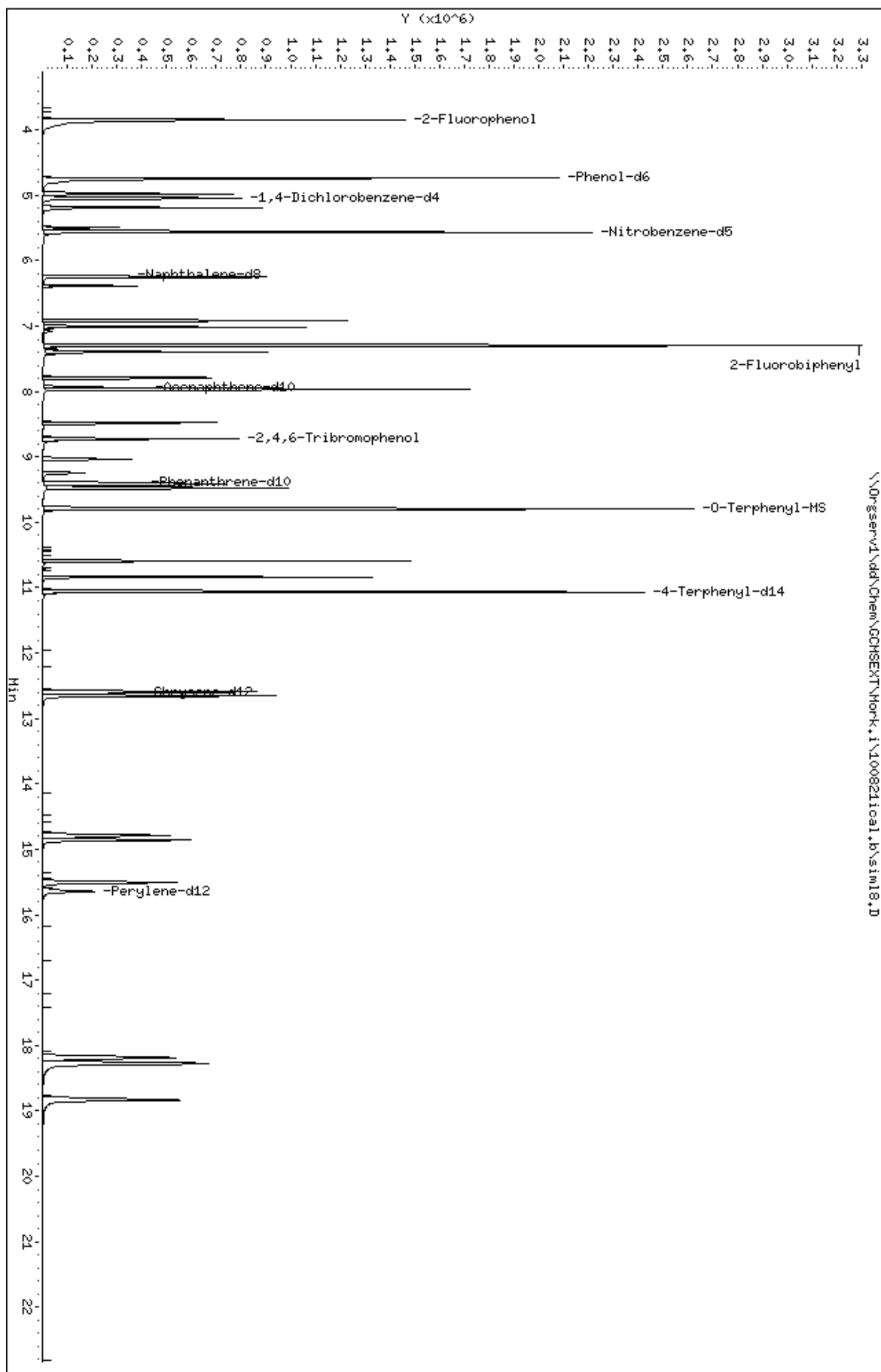
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	0.00
6 Naphthalene-d8	6.23	5.73	6.73	6.23	-0.02
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.01
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.60	12.10	13.10	12.61	0.08
34 Perylene-d12	15.63	15.13	16.13	15.64	0.07

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\siml9.D
Lab Smp Id:
Inj Date : 21-AUG-2010 17:49
Operator : hl Inst ID: Mork.i
Smp Info : sim 20/60 lot 3024
Misc Info : ,ICAL5275
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:56 aal Quant Type: ISTD
Cal Date : 21-AUG-2010 17:49 Cal File: siml9.D
Als bottle: 9 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112	3.854	3.854	(0.766)	1831523	60.0000	51.9		
\$ 2 Phenol-d6	99	4.749	4.749	(0.944)	2049163	60.0000	57.7		
* 3 1,4-Dichlorobenzene-d4	152	5.029	5.029	(1.000)	126727	4.00000			
4 Hexachloroethane	117	5.491	5.491	(1.092)	354947	20.0000	18.9		
\$ 5 Nitrobenzene-d5	82	5.561	5.561	(1.106)	1765249	60.0000	47.5		
* 6 Naphthalene-d8	136	6.231	6.231	(1.000)	334378	4.00000			
7 Naphthalene	128	6.257	6.257	(1.004)	1769994	20.0000	19.6		
8 Hexachlorobutadiene	225	6.388	6.388	(1.025)	399848	20.0000	20.4		
9 2-Methylnaphthalene	142	6.916	6.916	(1.110)	1016788	20.0000	19.1		
10 1-Methylnaphthalene	142	7.014	7.014	(1.126)	1120899	20.0000	19.1		
\$ 11 2-Fluorobiphenyl	172	7.308	7.308	(1.173)	4616730	60.0000	67.0		
12 2-Chloronaphthalene	162	7.406	7.406	(1.189)	1327352	20.0000	22.0		
13 Acenaphthylene	152	7.797	7.797	(1.251)	1976786	20.0000	24.4		
* 14 Acenaphthene-d10	164	7.937	7.937	(1.000)	218253	4.00000			
15 Acenaphthene	153	7.965	7.965	(1.004)	1134217	20.0000	17.8		
16 Fluorene	166	8.489	8.489	(1.070)	1270908	20.0000	19.9		
\$ 17 2,4,6-Tribromophenol	330	8.732	8.732	(1.100)	736194	60.0000	55.5		
18 Hexachlorobenzene	284	9.034	9.034	(0.961)	445391	20.0000	16.4		
19 Pentachlorophenol	266	9.246	9.246	(0.984)	292554	20.0000	20.4		
* 20 Phenanthrene-d10	188	9.397	9.397	(1.000)	364853	4.00000			
21 Phenanthrene	178	9.428	9.428	(1.003)	1972460	20.0000	21.8		
22 Anthracene	178	9.473	9.473	(1.008)	2017482	20.0000	19.7		
\$ 23 0-Terphenyl-MS	230	9.806	9.806	(1.043)	3212184	60.0000	55.4		
24 Fluoranthene	202	10.601	10.601	(1.128)	2115209	20.0000	21.0		
25 Pyrene	202	10.846	10.846	(1.154)	2221803	20.0000	20.3		
\$ 26 4-Terphenyl-d14	244	11.067	11.067	(1.178)	2989321	60.0000	58.1		
27 Benzo(a)anthracene	228	12.601	12.601	(0.998)	1891743	20.0000	21.0		
* 28 Chrysene-d12	240	12.623	12.623	(1.000)	347453	4.00000			

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
29 Chrysene	228	12.666	12.666	(1.003)	1865163	20.0000	17.9	
30 Benzo(b)fluoranthene	252	14.801	14.801	(0.946)	1912139	20.0000	20.0	
31 Benzo(k)fluoranthene	252	14.876	14.876	(0.951)	1922488	20.0000	19.4	
33 Benzo(a)pyrene	252	15.523	15.523	(0.992)	1952749	20.0000	20.0	
* 34 Perylene-d12	264	15.642	15.642	(1.000)	332522	4.00000		
36 Indeno(1,2,3-cd)pyrene	276	18.208	18.208	(1.164)	2633775	20.0000	20.2	
37 Dibenzo(a,h)anthracene	278	18.304	18.304	(1.170)	2736822	20.0000	20.0	
38 Benzo(ghi)perylene	276	18.861	18.861	(1.206)	2760230	20.0000	20.0	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Mork.i

Lab File ID: siml9.D

Lab Smp Id:

Analysis Type: SV

Quant Type: ISTD

Operator: hl

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m

Misc Info: ,ICAL5275

Calibration Date: 21-AUG-2010

Calibration Time: 16:20

Level: LOW

Sample Type: WATER

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	121644	60822	243288	126727	4.18
6 Naphthalene-d8	322090	161045	644180	334378	3.82
14 Acenaphthene-d10	204410	102205	408820	218253	6.77
20 Phenanthrene-d10	352303	176152	704606	364853	3.56
28 Chrysene-d12	328248	164124	656496	347453	5.85
34 Perylene-d12	314530	157265	629060	332522	5.72

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	0.00
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.00
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.00
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.60	12.10	13.10	12.62	0.18
34 Perylene-d12	15.64	15.14	16.14	15.64	0.01

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 21-AUG-2010 17:49

Client ID:

Sample Info: sim 20/60 lot 3024

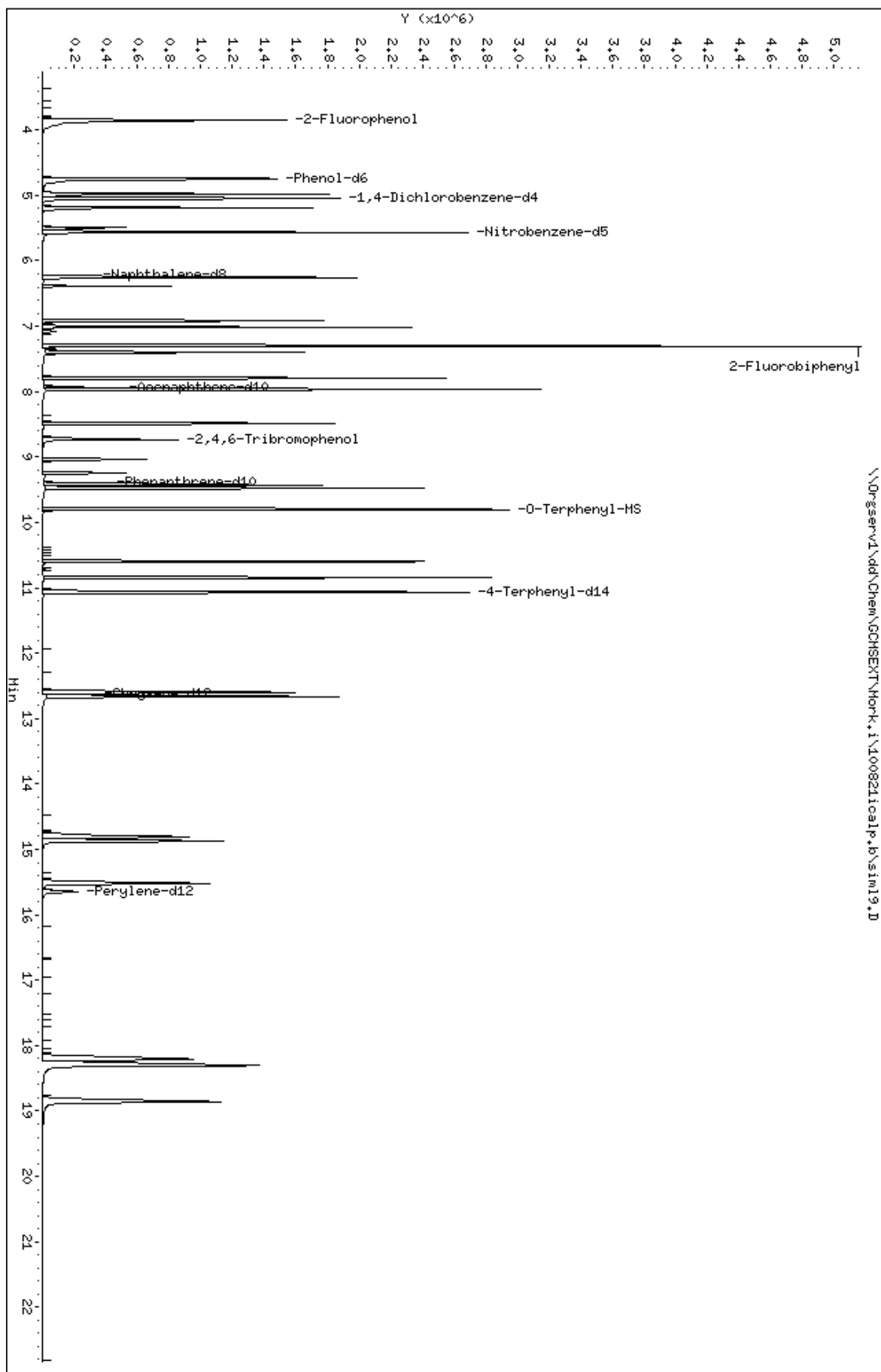
Purge Volume: 1000.0

Column phase: RTX-5

Instrument: Hork,i

Operator: hl

Column diameter: 0.32



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\siml9.D
Lab Smp Id:
Inj Date : 21-AUG-2010 17:49
Operator : hl Inst ID: Mork.i
Smp Info : sim 20/60 lot 3024
Misc Info :
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:54 Mork.i Quant Type: ISTD
Cal Date : 21-AUG-2010 17:19 Cal File: siml8.D
Als bottle: 9 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112	3.854	3.854	(0.766)	1831523	60.0000	51.9		
\$ 2 Phenol-d6	99	4.749	4.749	(0.944)	2049163	60.0000	57.7		
* 3 1,4-Dichlorobenzene-d4	152	5.029	5.029	(1.000)	126727	4.00000			
4 Hexachloroethane	117	5.491	5.491	(1.092)	354947	20.0000	18.9		
\$ 5 Nitrobenzene-d5	82	5.561	5.561	(1.106)	1765249	60.0000	47.5		
* 6 Naphthalene-d8	136	6.231	6.231	(1.000)	334378	4.00000			
7 Naphthalene	128	6.257	6.257	(1.004)	1769994	20.0000	19.6		
8 Hexachlorobutadiene	225	6.388	6.388	(1.025)	399848	20.0000	20.4		
9 2-Methylnaphthalene	142	6.916	6.916	(1.110)	1016788	20.0000	19.1		
10 1-Methylnaphthalene	142	7.014	7.014	(1.126)	1120899	20.0000	19.1		
\$ 11 2-Fluorobiphenyl	172	7.308	7.308	(1.173)	4616730	60.0000	67.0		
12 2-Chloronaphthalene	162	7.406	7.406	(1.189)	1327352	20.0000	22.0		
13 Acenaphthylene	152	7.797	7.797	(1.251)	1976786	20.0000	24.4		
* 14 Acenaphthene-d10	164	7.937	7.937	(1.000)	218253	4.00000			
15 Acenaphthene	153	7.965	7.965	(1.004)	1134217	20.0000	17.8		
16 Fluorene	166	8.489	8.489	(1.070)	1270908	20.0000	19.9		
\$ 17 2,4,6-Tribromophenol	330	8.732	8.732	(1.100)	736194	60.0000	55.5		
18 Hexachlorobenzene	284	9.034	9.034	(0.961)	445391	20.0000	16.4		
19 Pentachlorophenol	266	9.246	9.246	(0.984)	292554	20.0000	20.4		
* 20 Phenanthrene-d10	188	9.397	9.397	(1.000)	364853	4.00000			
21 Phenanthrene	178	9.428	9.428	(1.003)	1972460	20.0000	21.8		
22 Anthracene	178	9.473	9.473	(1.008)	2085043	20.0000	19.7(M)		M1
\$ 23 0-Terphenyl-MS	230	9.806	9.806	(1.043)	3212184	60.0000	55.4		
24 Fluoranthene	202	10.601	10.601	(1.128)	2115209	20.0000	21.0		
25 Pyrene	202	10.846	10.846	(1.154)	2221803	20.0000	20.3		
\$ 26 4-Terphenyl-d14	244	11.067	11.067	(1.178)	2989321	60.0000	58.1		
27 Benzo(a)anthracene	228	12.601	12.601	(0.998)	1891743	20.0000	21.0		
* 28 Chrysene-d12	240	12.623	12.623	(1.000)	347453	4.00000			

						AMOUNTS				
		QUANT	SIG					CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE	
=====		=====	=====	=====	=====	=====	=====	=====	=====	
29 Chrysene		228	12.666	12.666	(1.003)	1865163	20.0000	17.9		
30 Benzo(b)fluoranthene		252	14.801	14.801	(0.946)	1912139	20.0000	20.0		
31 Benzo(k)fluoranthene		252	14.876	14.876	(0.951)	2006878	20.0000	20.2(M)	M1	
33 Benzo(a)pyrene		252	15.523	15.523	(0.992)	1952749	20.0000	20.0		
* 34 Perylene-d12		264	15.642	15.642	(1.000)	332522	4.00000			
36 Indeno(1,2,3-cd)pyrene		276	18.208	18.208	(1.164)	2633775	20.0000	20.1		
37 Dibenzo(a,h)anthracene		278	18.304	18.304	(1.170)	2736822	20.0000	20.0		
38 Benzo(ghi)perylene		276	18.861	18.861	(1.206)	2760230	20.0000	20.0		

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i

Lab File ID: siml9.D

Lab Smp Id:

Analysis Type: SV

Quant Type: ISTD

Operator: hl

Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m

Misc Info:

Calibration Date: 21-AUG-2010

Calibration Time: 16:20

Level: LOW

Sample Type: WATER

Test Mode:

Use Last Continuing Calibrator.

If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	106321	53161	212642	126727	19.19
6 Naphthalene-d8	316775	158388	633550	334378	5.56
14 Acenaphthene-d10	199609	99805	399218	218253	9.34
20 Phenanthrene-d10	348986	174493	697972	364853	4.55
28 Chrysene-d12	336425	168213	672850	347453	3.28
34 Perylene-d12	315752	157876	631504	332522	5.31

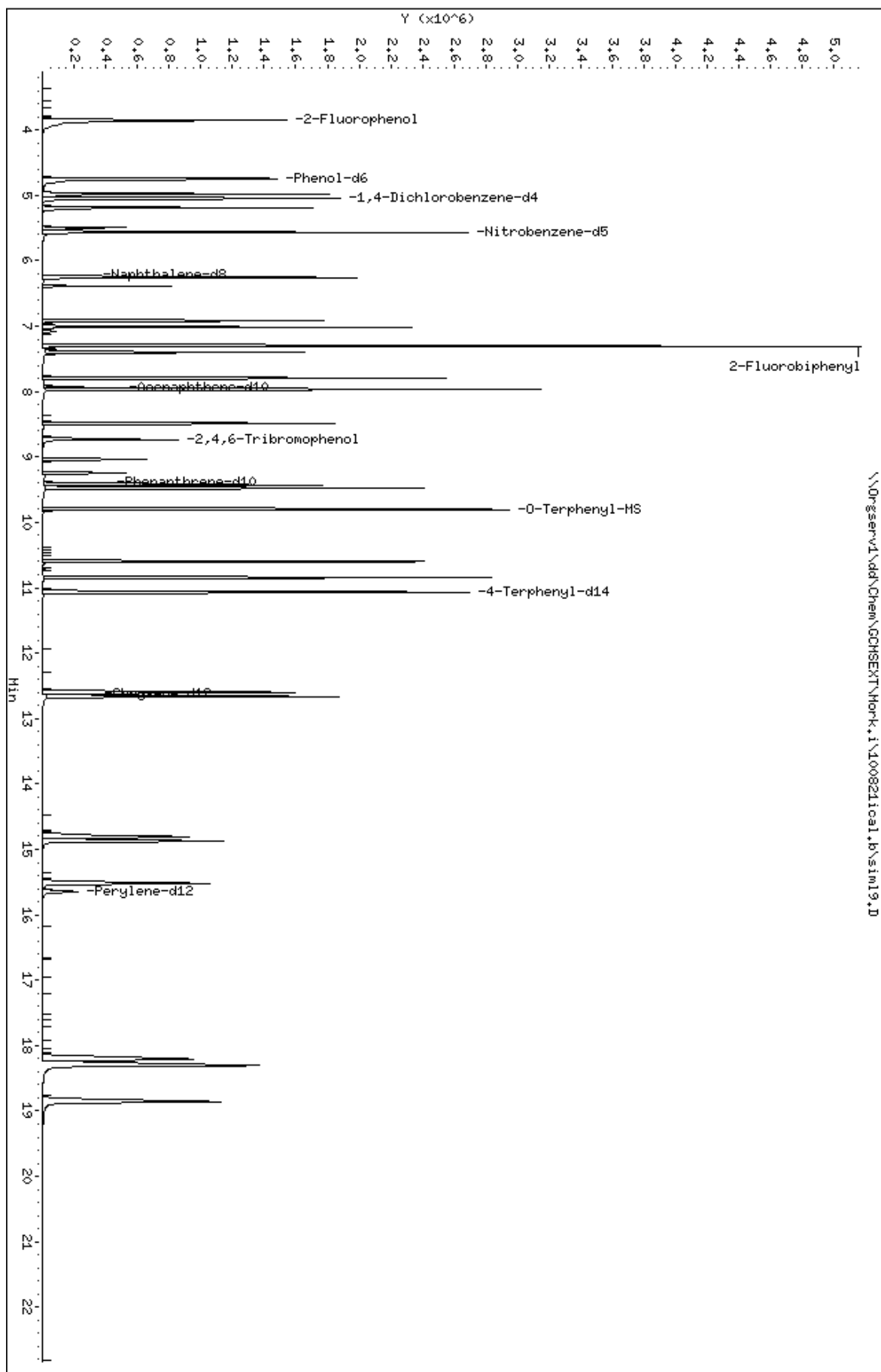
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	-0.04
6 Naphthalene-d8	6.23	5.73	6.73	6.23	-0.00
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.00
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.00
28 Chrysene-d12	12.60	12.10	13.10	12.62	0.17
34 Perylene-d12	15.63	15.13	16.13	15.64	0.07

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Initial Calibration Verification

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Mork.i Injection Date: 21-AUG-2010 18:19
Lab File ID: simicv.D Init. Cal. Date(s): 21-AUG-2010 21-AUG-2010
Analysis Type: Init. Cal. Times: 13:51 17:49
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m

COMPOUND	RRF / AMOUNT	RF2	CCAL RRF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
4 Hexachloroethane	0.59237	0.59612	0.59612	0.050	0.63217	20.00000	Averaged
7 Naphthalene	1.07985	1.12074	1.12074	0.050	3.78658	20.00000	Averaged
8 Hexachlorobutadiene	0.23412	0.24963	0.24963	0.050	6.62594	20.00000	Averaged
9 2-Methylnaphthalene	0.63600	0.73304	0.73304	0.050	15.25932	20.00000	Averaged
10 1-Methylnaphthalene	0.70063	0.77531	0.77531	0.050	10.65866	20.00000	Averaged
12 2-Chloronaphthalene	0.72286	0.78666	0.78666	0.050	8.82501	20.00000	Averaged
13 Acenaphthylene	0.97105	1.03215	1.03215	0.050	6.29267	20.00000	Averaged
15 Acenaphthene	1.16416	1.20179	1.20179	0.050	3.23259	20.00000	Averaged
16 Fluorene	1.17146	1.06990	1.06990	0.050	-8.66951	20.00000	Averaged
18 Hexachlorobenzene	0.29753	0.32062	0.32062	0.050	7.75899	20.00000	Averaged
19 Pentachlorophenol	2.00000	1.75487	0.11491	0.050	-12.25637	20.00000	Linear
21 Phenanthrene	0.99389	1.05670	1.05670	0.050	6.31966	20.00000	Averaged
22 Anthracene	1.15852	1.06254	1.06254	0.050	-8.28495	20.00000	Averaged
24 Fluoranthene	1.10641	1.16785	1.16785	0.050	5.55322	20.00000	Averaged
25 Pyrene	1.19713	1.26664	1.26664	0.050	5.80695	20.00000	Averaged
27 Benzo(a)anthracene	1.03646	1.14711	1.14711	0.050	10.67510	20.00000	Averaged
29 Chrysene	1.20032	1.25310	1.25310	0.050	4.39703	20.00000	Averaged
30 Benzo(b)fluoranthene	2.00000	2.02590	1.09534	0.050	1.29522	20.00000	Linear
31 Benzo(k)fluoranthene	1.19407	1.36896	1.36896	0.050	14.64672	20.00000	Averaged
33 Benzo(a)pyrene	2.00000	1.97056	1.08739	0.050	-1.47222	20.00000	Linear
36 Indeno(1,2,3-cd)pyrene	2.00000	1.86995	1.29302	0.050	-6.50238	20.00000	Linear
37 Dibenzo(a,h)anthracene	2.00000	1.92726	1.48656	0.050	-3.63717	20.00000	Linear
38 Benzo(ghi)perylene	2.00000	2.01329	1.59089	0.050	0.66448	20.00000	Linear

Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\simicv.D
Lab Smp Id:
Inj Date : 21-AUG-2010 18:19
Operator : hl
Smp Info : 2.0 icv lot 3025
Misc Info : ,ICAL5275
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m
Meth Date : 28-Aug-2010 10:07 jclements
Cal Date : 21-AUG-2010 17:49
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE
Target Version: 4.12
Processing Host: ABN-3

Inst ID: Mork.i
Quant Type: ISTD
Cal File: siml9.D
Continuing Calibration Sample
Compound Sublist: abnicv.sub

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1,4-Dichlorobenzene-d4	152	5.029	5.029	(1.000)	121644	4.00000			
4 Hexachloroethane	117	5.490	5.490	(1.092)	36257	2.00000		2.01	
* 6 Naphthalene-d8	136	6.231	6.231	(1.000)	322090	4.00000			
7 Naphthalene	128	6.248	6.248	(1.003)	180489	2.00000		2.08	
8 Hexachlorobutadiene	225	6.388	6.388	(1.025)	40202	2.00000		2.13	
9 2-Methylnaphthalene	142	6.916	6.916	(1.110)	118053	2.00000		2.30	
10 1-Methylnaphthalene	142	7.014	7.014	(1.126)	124860	2.00000		2.21	
12 2-Chloronaphthalene	162	7.392	7.392	(1.186)	126687	2.00000		2.18	
13 Acenaphthylene	152	7.797	7.797	(1.251)	166223	2.00000		2.12	
* 14 Acenaphthene-d10	164	7.937	7.937	(1.000)	204410	4.00000			
15 Acenaphthene	153	7.965	7.965	(1.004)	122829	2.00000		2.06	
16 Fluorene	166	8.474	8.474	(1.068)	109349	2.00000		1.83	
18 Hexachlorobenzene	284	9.034	9.034	(0.961)	56477	2.00000		2.16	
19 Pentachlorophenol	266	9.246	9.246	(0.984)	20241	2.00000		1.78	
* 20 Phenanthrene-d10	188	9.397	9.397	(1.000)	352303	4.00000			
21 Phenanthrene	178	9.412	9.412	(1.002)	186140	2.00000		2.13	
22 Anthracene	178	9.473	9.473	(1.008)	168304	2.00000		1.70	
24 Fluoranthene	202	10.592	10.592	(1.127)	205719	2.00000		2.11	
25 Pyrene	202	10.837	10.837	(1.153)	223121	2.00000		2.12	
27 Benzo(a)anthracene	228	12.589	12.589	(0.999)	188268	2.00000		2.21	
* 28 Chrysene-d12	240	12.600	12.600	(1.000)	328248	4.00000			
29 Chrysene	228	12.654	12.654	(1.004)	205664	2.00000		2.09	
30 Benzo(b)fluoranthene	252	14.778	14.778	(0.945)	172259	2.00000		2.02	
31 Benzo(k)fluoranthene	252	14.843	14.843	(0.949)	215290	2.00000		2.30	
33 Benzo(a)pyrene	252	15.501	15.501	(0.991)	171008	2.00000		1.97	
* 34 Perylene-d12	264	15.641	15.641	(1.000)	314530	4.00000			
36 Indeno(1,2,3-cd)pyrene	276	18.170	18.170	(1.162)	203347	2.00000		1.85	
37 Dibenzo(a,h)anthracene	278	18.262	18.262	(1.168)	233784	2.00000		1.94	
38 Benzo(ghi)perylene	276	18.814	18.814	(1.203)	250191	2.00000		2.02	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Mork.i
Lab File ID: simicv.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821icalp.b\mcp30s2.m
Misc Info: ,ICAL5275

Calibration Date: 21-AUG-2010
Calibration Time: 16:20

Level:
Sample Type:

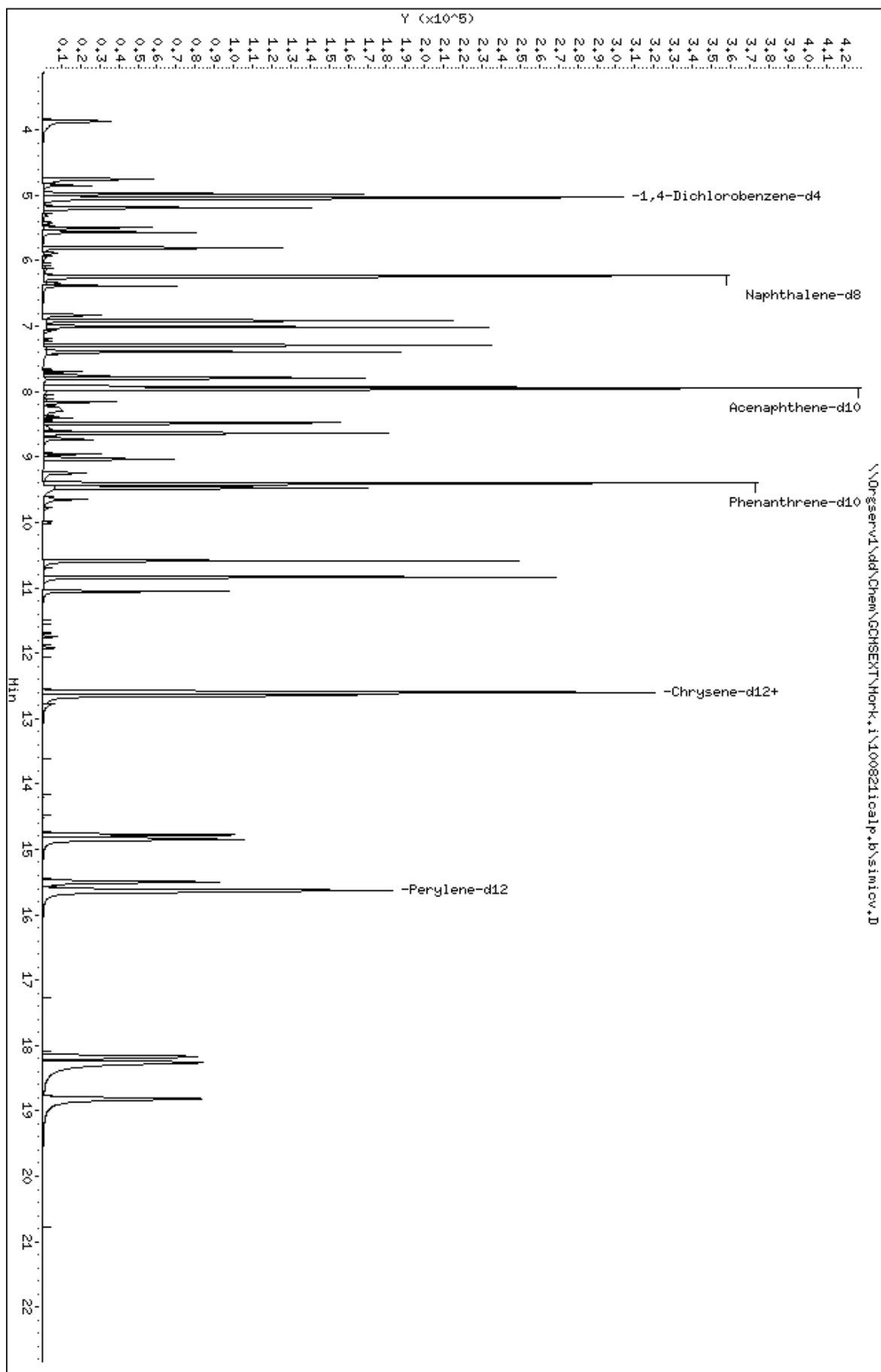
Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	119819	59910	239638	121644	1.52
6 Naphthalene-d8	327687	163844	655374	322090	-1.71
14 Acenaphthene-d10	201401	100701	402802	204410	1.49
20 Phenanthrene-d10	362669	181335	725338	352303	-2.86
28 Chrysene-d12	341058	170529	682116	328248	-3.76
34 Perylene-d12	319782	159891	639564	314530	-1.64

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	-0.04
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.02
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	-0.01
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	-0.00
28 Chrysene-d12	12.61	12.11	13.11	12.60	-0.09
34 Perylene-d12	15.64	15.14	16.14	15.64	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\simicv.D
Lab Smp Id:
Inj Date : 21-AUG-2010 18:19
Operator : hl Inst ID: Mork.i
Smp Info : 2.0 icv lot 3025
Misc Info :
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:54 Mork.i Quant Type: ISTD
Cal Date : 21-AUG-2010 16:20 Cal File: siml6.D
Als bottle: 10 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abnicv.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1,4-Dichlorobenzene-d4	152	5.029	5.029	(1.000)	121644	4.00000			
4 Hexachloroethane	117	5.490	5.490	(1.092)	36257	2.00000	2.01		
* 6 Naphthalene-d8	136	6.231	6.231	(1.000)	322090	4.00000			
7 Naphthalene	128	6.248	6.248	(1.003)	180489	2.00000	2.08		
8 Hexachlorobutadiene	225	6.388	6.388	(1.025)	40202	2.00000	2.13		
9 2-Methylnaphthalene	142	6.916	6.916	(1.110)	118053	2.00000	2.30		
10 1-Methylnaphthalene	142	7.014	7.014	(1.126)	124860	2.00000	2.21		
12 2-Chloronaphthalene	162	7.392	7.392	(1.186)	126687	2.00000	2.18		
13 Acenaphthylene	152	7.797	7.797	(1.251)	166223	2.00000	2.12		
* 14 Acenaphthene-d10	164	7.937	7.937	(1.000)	204410	4.00000			
15 Acenaphthene	153	7.965	7.965	(1.004)	122829	2.00000	2.06		
16 Fluorene	166	8.474	8.474	(1.068)	109349	2.00000	1.83		
18 Hexachlorobenzene	284	9.034	9.034	(0.961)	56477	2.00000	2.16		
19 Pentachlorophenol	266	9.246	9.246	(0.984)	20241	2.00000	1.75		
* 20 Phenanthrene-d10	188	9.397	9.397	(1.000)	352303	4.00000			
21 Phenanthrene	178	9.412	9.412	(1.002)	186140	2.00000	2.13		
22 Anthracene	178	9.473	9.473	(1.008)	187168	2.00000	1.83(M)		M1
24 Fluoranthene	202	10.592	10.592	(1.127)	205719	2.00000	2.11		
25 Pyrene	202	10.837	10.837	(1.153)	223121	2.00000	2.12		
27 Benzo(a)anthracene	228	12.589	12.589	(0.999)	188268	2.00000	2.21		
* 28 Chrysene-d12	240	12.600	12.600	(1.000)	328248	4.00000			
29 Chrysene	228	12.654	12.654	(1.004)	205664	2.00000	2.09		
30 Benzo(b)fluoranthene	252	14.778	14.778	(0.945)	172259	2.00000	2.02		
31 Benzo(k)fluoranthene	252	14.843	14.843	(0.949)	215290	2.00000	2.29		
33 Benzo(a)pyrene	252	15.501	15.501	(0.991)	171008	2.00000	1.97		
* 34 Perylene-d12	264	15.641	15.641	(1.000)	314530	4.00000			
36 Indeno(1,2,3-cd)pyrene	276	18.170	18.170	(1.162)	203347	2.00000	1.87		
37 Dibenzo(a,h)anthracene	278	18.262	18.262	(1.168)	233784	2.00000	1.93		
38 Benzo(ghi)perylene	276	18.814	18.814	(1.203)	250191	2.00000	2.01		

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 21-AUG-2010
 Lab File ID: simicv.D Calibration Time: 16:20
 Lab Smp Id:
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: hl
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100821ical.b\mcp30s2.m
 Misc Info:

Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
3 1,4-Dichlorobenze	119819	59910	239638	121644	1.52
6 Naphthalene-d8	327687	163844	655374	322090	-1.71
14 Acenaphthene-d10	201401	100701	402802	204410	1.49
20 Phenanthrene-d10	362669	181335	725338	352303	-2.86
28 Chrysene-d12	341058	170529	682116	328248	-3.76
34 Perylene-d12	319782	159891	639564	314530	-1.64

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	-0.04
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.02
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	-0.01
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	-0.00
28 Chrysene-d12	12.61	12.11	13.11	12.60	-0.09
34 Perylene-d12	15.64	15.14	16.14	15.64	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 21-AUG-2010 18:19

Client ID:

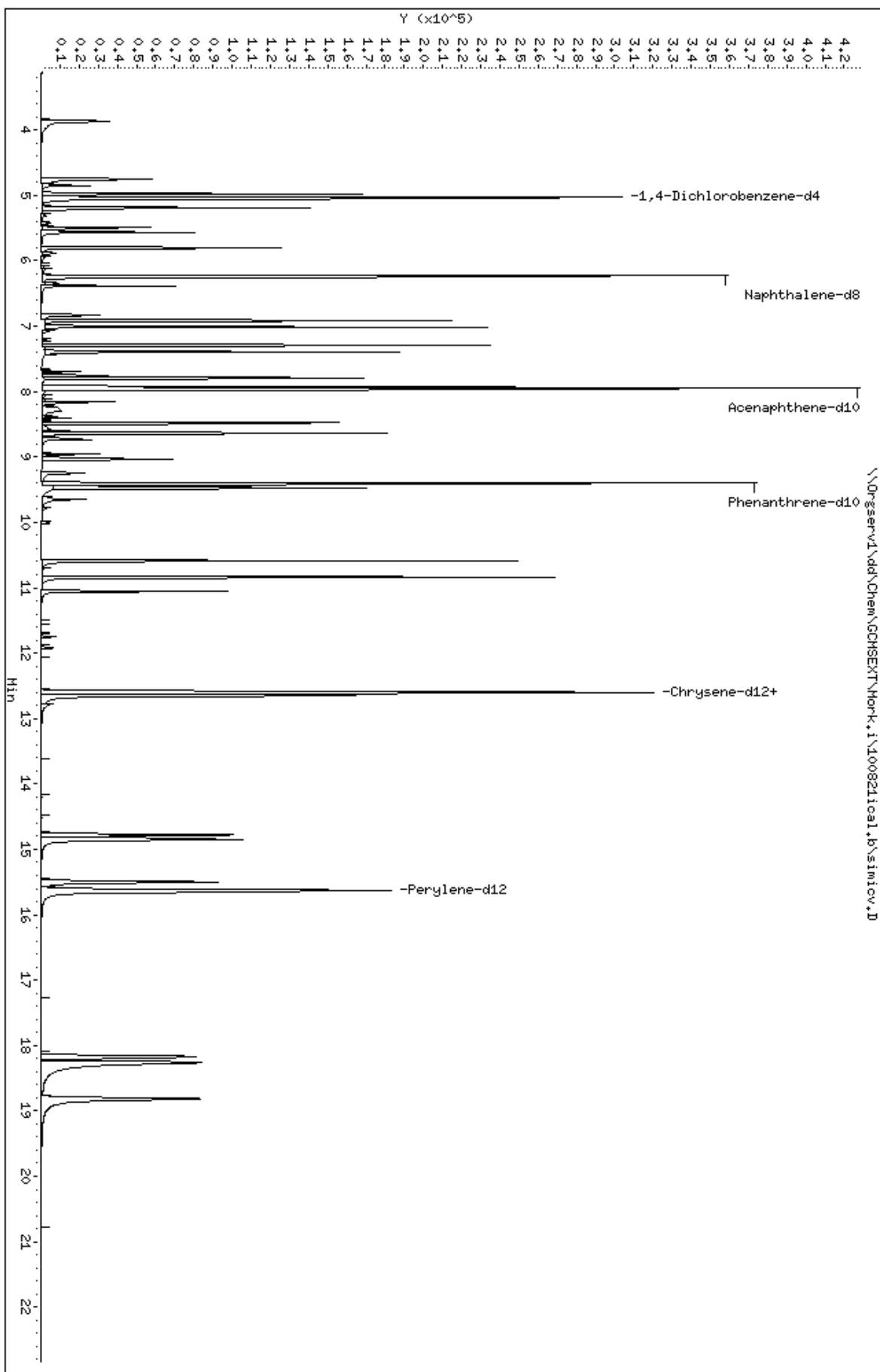
Sample Info: 2.0 iov lot 3025

Instrument: Hork,i

Operator: hl

Column diameter: 0.32

Column phase: RTX-5



Continuing Calibration

7B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: Mork.i Calibration Date: 27-AUG-2010 Time: 07:31

Lab File ID: cc0827.D Init. Calib. Date(s): 21-AUG-2010 21-AUG-2010

Sample No: ccsim 2.0 lot 3 Init. Calib. Times : 13:51 17:49

[illegible]

FORM VII NYTCL-8270-SIM

7B
SEMIVOLATILE ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: Mork.i Calibration Date: 25-AUG-2010 Time: 09:50

Lab File ID: cc0825.D Init. Calib. Date(s): 21-AUG-2010 21-AUG-2010

Sample No: ccsim 2.0 lot 3 Init. Calib. Times : 13:51 17:49

Compound	RRF	RRF	MIN RRF	%D	MAX %D
Hexachloroethane	.59237	.56396	.05	-5	20
Naphthalene	1.0798	.96855	.05	-10	20
Hexachlorobutadiene	.23412	.22734	.05	-3	20
2-Methylnaphthalene	.636	.69815	.05	10	20
1-Methylnaphthalene	.70063	.56063	.05	-20	20
2-Chloronaphthalene	.72286	.80212	.05	11	20
Acenaphthylene	.97105	.94093	.05	-3	20
Acenaphthene	1.1641	1.2681	.05	9	20
Fluorene	1.1714	1.1718	.05	0	20
Hexachlorobenzene	.29753	.35066	.05	18	20
Pentachlorophenol	2	2.3241	.05	16	20
Phenanthrene	.99389	1.0517	.05	6	20
Anthracene	1.1585	1.1149	.05	-4	20
Fluoranthene	1.1064	1.2532	.05	13	20
Pyrene	1.1971	1.3543	.05	13	20
Benzo(a)anthracene	1.0364	1.1586	.05	12	20
Chrysene	1.2003	1.2361	.05	3	20
Benzo(b)fluoranthene	2	2.1114	.05	6	20
Benzo(k)fluoranthene	1.1940	1.3241	.05	11	20
Benzo(a)pyrene	2	2.0645	.05	3	20
Indeno(1,2,3-cd)pyrene	2	2.1363	.05	7	20
Dibenzo(a,h)anthracene	2	2.109	.05	5	20
Benzo(ghi)perylene	2	2.1105	.05	6	20
2-Fluorophenol	1.1129	1.2544	.05	13	20
Phenol-d6	1.1202	1.2870	.05	15	20
Nitrobenzene-d5	1.1734	1.0879	.05	-7	20
2-Fluorobiphenyl	.82412	.81394	.05	-1	20
2,4,6-Tribromophenol	.24325	.33619	.05	38	20
0-Terphenyl-MS	.63601	.58787	.05	-8	20
4-Terphenyl-d14	.56372	.60896	.05	8	20

F

FORM VII NYTCL-8270-SIM

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Mork.i Injection Date: 25-AUG-2010 09:50
 Lab File ID: cc0825.D Init. Cal. Date(s): 21-AUG-2010 21-AUG-2010
 Analysis Type: Init. Cal. Times: 13:51 17:49
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825.b\mcp30s2.m

COMPOUND	RRF / AMOUNT	RF2	CCAL RRF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 1 2-Fluorophenol	1.11298	1.25443	1.25443	0.050	12.70935	20.00000	Averaged
\$ 2 Phenol-d6	1.12027	1.28709	1.28709	0.050	14.89021	20.00000	Averaged
4 Hexachloroethane	0.59237	0.56396	0.56396	0.050	-4.79597	20.00000	Averaged
\$ 5 Nitrobenzene-d5	1.17346	1.08790	1.08790	0.050	-7.29094	20.00000	Averaged
7 Naphthalene	1.07985	0.96855	0.96855	0.050	-10.30706	20.00000	Averaged
8 Hexachlorobutadiene	0.23412	0.22734	0.22734	0.050	-2.89650	20.00000	Averaged
9 2-Methylnaphthalene	0.63600	0.69815	0.69815	0.050	9.77271	20.00000	Averaged
10 1-Methylnaphthalene	0.70063	0.56063	0.56063	0.050	-19.98193	20.00000	Averaged
\$ 11 2-Fluorobiphenyl	0.82412	0.81394	0.81394	0.050	-1.23539	20.00000	Averaged
12 2-Chloronaphthalene	0.72286	0.80212	0.80212	0.050	10.96398	20.00000	Averaged
13 Acenaphthylene	0.97105	0.94093	0.94093	0.050	-3.10198	20.00000	Averaged
15 Acenaphthene	1.16416	1.26818	1.26818	0.050	8.93552	20.00000	Averaged
16 Fluorene	1.17146	1.17188	1.17188	0.050	0.03560	20.00000	Averaged
\$ 17 2,4,6-Tribromophenol	0.24325	0.33619	0.33619	0.050	38.20959	20.00000	Averaged <-
18 Hexachlorobenzene	0.29753	0.35066	0.35066	0.050	17.85714	20.00000	Averaged
19 Pentachlorophenol	2.00000	2.32418	0.16031	0.050	16.20914	20.00000	Linear
21 Phenanthrene	0.99389	1.05177	1.05177	0.050	5.82307	20.00000	Averaged
22 Anthracene	1.15852	1.11498	1.11498	0.050	-3.75850	20.00000	Averaged
\$ 23 O-Terphenyl-MS	0.63601	0.58787	0.58787	0.050	-7.56787	20.00000	Averaged
24 Fluoranthene	1.10641	1.25323	1.25323	0.050	13.26945	20.00000	Averaged
25 Pyrene	1.19713	1.35433	1.35433	0.050	13.13153	20.00000	Averaged
\$ 26 4-Terphenyl-d14	0.56372	0.60896	0.60896	0.050	8.02548	20.00000	Averaged
27 Benzo(a)anthracene	1.03646	1.15863	1.15863	0.050	11.78648	20.00000	Averaged
29 Chrysene	1.20032	1.23615	1.23615	0.050	2.98503	20.00000	Averaged
30 Benzo(b)fluoranthene	2.00000	2.11149	1.14480	0.050	5.57429	20.00000	Linear
31 Benzo(k)fluoranthene	1.19407	1.32410	1.32410	0.050	10.88918	20.00000	Averaged
33 Benzo(a)pyrene	2.00000	2.06458	1.14286	0.050	3.22901	20.00000	Linear
36 Indeno(1,2,3-cd)pyrene	2.00000	2.13630	1.50506	0.050	6.81502	20.00000	Linear
37 Dibenzo(a,h)anthracene	2.00000	2.10900	1.63680	0.050	5.45011	20.00000	Linear
38 Benzo(ghi)perylene	2.00000	2.11051	1.67192	0.050	5.52544	20.00000	Linear

Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825p.b\cc0825.D
Lab Smp Id:
Inj Date : 25-AUG-2010 09:50
Operator : hl Inst ID: Mork.i
Smp Info : ccsim 2.0 lot 3059
Misc Info : ICAL5275
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825p.b\mcp30s2.m
Meth Date : 26-Aug-2010 17:59 aal Quant Type: ISTD
Cal Date : 21-AUG-2010 16:20 Cal File: siml6.D
Als bottle: 96 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

						AMOUNTS			
		QUANT SIG					CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====		=====	=====	=====	=====	=====	=====	=====	=====
\$	1 2-Fluorophenol	112	3.853	3.853	(0.766)	886506	20.0000	22.5	
\$	2 Phenol-d6	99	4.734	4.734	(0.942)	909397	20.0000	23.0	
*	3 1,4-Dichlorobenzene-d4	152	5.028	5.028	(1.000)	141311	4.00000		
	4 Hexachloroethane	117	5.490	5.490	(1.092)	39847	2.00000	1.90	
\$	5 Nitrobenzene-d5	82	5.559	5.559	(1.106)	768661	20.0000	18.5	
*	6 Naphthalene-d8	136	6.230	6.230	(1.000)	367711	4.00000		
	7 Naphthalene	128	6.248	6.248	(1.003)	206083	2.00000	2.08	
	8 Hexachlorobutadiene	225	6.379	6.379	(1.024)	48372	2.00000	2.25	
	9 2-Methylnaphthalene	142	6.917	6.917	(1.110)	148549	2.00000	2.54	
	10 1-Methylnaphthalene	142	7.015	7.015	(1.126)	119289	2.00000	1.85	
\$	11 2-Fluorobiphenyl	172	7.294	7.294	(1.171)	1731855	20.0000	22.9	
	12 2-Chloronaphthalene	162	7.392	7.392	(1.187)	170671	2.00000	2.57	
	13 Acenaphthylene	152	7.784	7.784	(1.249)	200206	2.00000	2.24	
*	14 Acenaphthene-d10	164	7.938	7.938	(1.000)	210350	4.00000		
	15 Acenaphthene	153	7.966	7.966	(1.004)	133381	2.00000	2.18	
	16 Fluorene	166	8.473	8.473	(1.067)	123252	2.00000	2.00	
\$	17 2,4,6-Tribromophenol	330	8.730	8.730	(1.100)	353591	20.0000	27.6	
	18 Hexachlorobenzene	284	9.033	9.033	(0.961)	70114	2.00000	2.36	
	19 Pentachlorophenol	266	9.245	9.245	(0.984)	32054	2.00000	2.32	
*	20 Phenanthrene-d10	188	9.396	9.396	(1.000)	399896	4.00000		
	21 Phenanthrene	178	9.411	9.411	(1.002)	210299	2.00000	2.12	
	22 Anthracene	178	9.472	9.472	(1.008)	200743	2.00000	1.73	
\$	23 0-Terphenyl-MS	230	9.790	9.790	(1.042)	1175444	20.0000	18.5	
	24 Fluoranthene	202	10.591	10.591	(1.127)	250580	2.00000	2.26	
	25 Pyrene	202	10.837	10.837	(1.153)	270795	2.00000	2.26	
\$	26 4-Terphenyl-d14	244	11.058	11.058	(1.177)	1217613	20.0000	21.6	
	27 Benzo(a)anthracene	228	12.591	12.591	(0.999)	224849	2.00000	2.24	
*	28 Chrysene-d12	240	12.602	12.602	(1.000)	388130	4.00000		
	29 Chrysene	228	12.645	12.645	(1.003)	239894	2.00000	2.06	
	30 Benzo(b)fluoranthene	252	14.780	14.780	(0.945)	211952	2.00000	2.11	
	31 Benzo(k)fluoranthene	252	14.845	14.845	(0.949)	245147	2.00000	2.22	
	33 Benzo(a)pyrene	252	15.502	15.502	(0.991)	211592	2.00000	2.06	
*	34 Perylene-d12	264	15.642	15.642	(1.000)	370286	4.00000		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
36 Indeno(1,2,3-cd)pyrene	276	18.175	18.175	(1.162)	278651	2.00000	2.14	
37 Dibenzo(a,h)anthracene	278	18.266	18.266	(1.168)	303125	2.00000	2.11	
38 Benzo(ghi)perylene	276	18.818	18.818	(1.203)	309545	2.00000	2.11	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 25-AUG-2010
 Lab File ID: cc0825.D Calibration Time: 09:50
 Lab Smp Id:
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: hl
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825p.b\mcp30s2.m
 Misc Info: ICAL5275

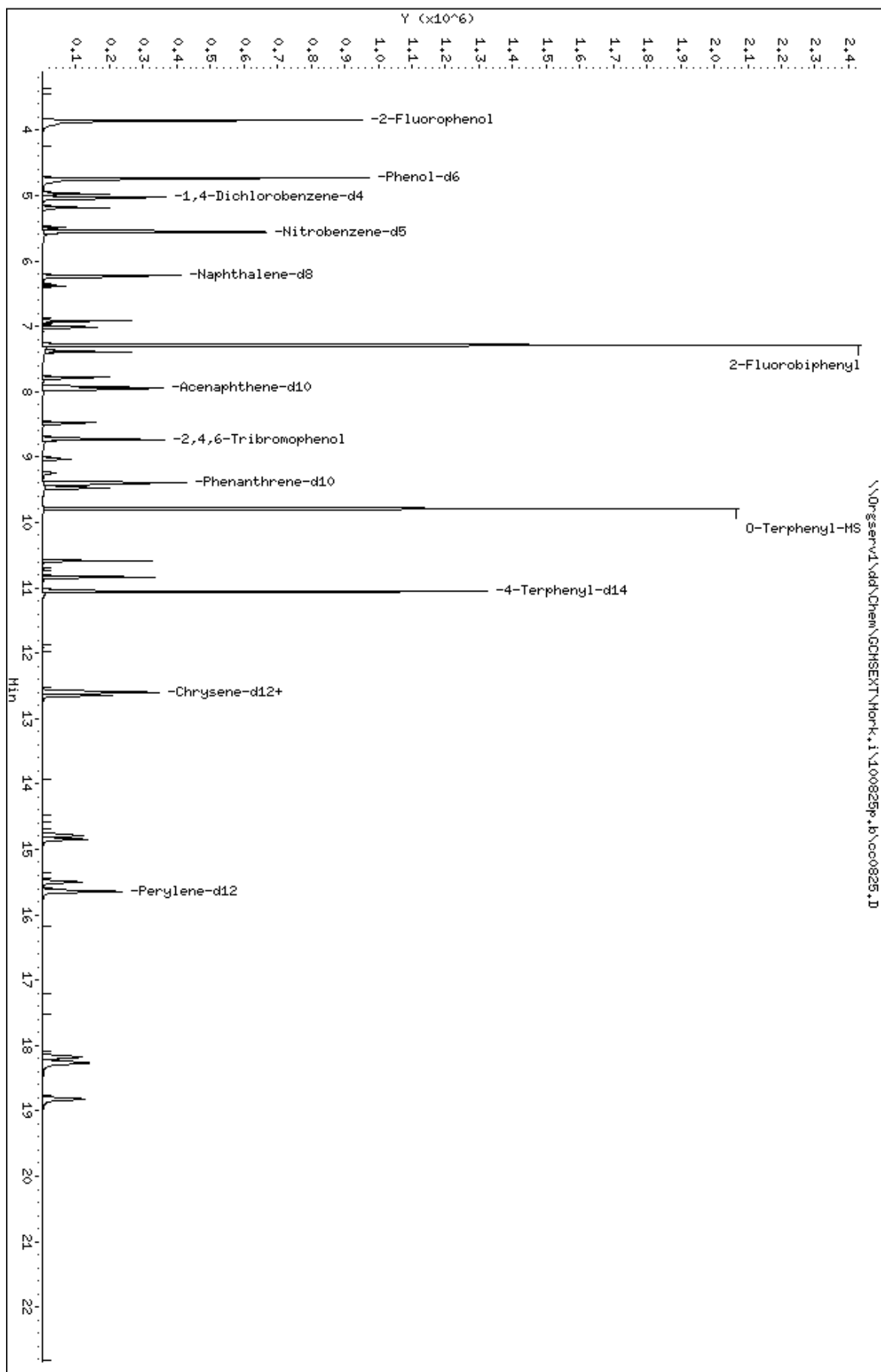
Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
3 1,4-Dichlorobenze	119819	59910	239638	141311	17.94
6 Naphthalene-d8	327687	163844	655374	367711	12.21
14 Acenaphthene-d10	201401	100701	402802	210350	4.44
20 Phenanthrene-d10	362669	181335	725338	399896	10.26
28 Chrysene-d12	341058	170529	682116	388130	13.80
34 Perylene-d12	319782	159891	639564	370286	15.79

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	-0.06
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.01
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.00
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	-0.01
28 Chrysene-d12	12.61	12.11	13.11	12.60	-0.08
34 Perylene-d12	15.64	15.14	16.14	15.64	0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825.b\cc0825.D
Lab Smp Id:
Inj Date : 25-AUG-2010 09:50
Operator : hl Inst ID: Mork.i
Smp Info : ccsim 2.0 lot 3059
Misc Info : ICAL5275
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825.b\mcp30s2.m
Meth Date : 27-Aug-2010 08:38 Mork.i Quant Type: ISTD
Cal Date : 21-AUG-2010 16:20 Cal File: siml6.D
Als bottle: 96 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-3

						AMOUNTS			
		QUANT SIG					CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====		=====	=====	=====	=====	=====	=====	=====	=====
\$	1	2-Fluorophenol	112	3.853	3.853 (0.766)	886326	20.0000	22.5	
\$	2	Phenol-d6	99	4.734	4.734 (0.942)	909397	20.0000	23.0	
*	3	1,4-Dichlorobenzene-d4	152	5.028	5.028 (1.000)	141311	4.00000		
	4	Hexachloroethane	117	5.490	5.490 (1.092)	39847	2.00000	1.90	
\$	5	Nitrobenzene-d5	82	5.559	5.559 (1.106)	768661	20.0000	18.5	
*	6	Naphthalene-d8	136	6.230	6.230 (1.000)	425551	4.00000	(M)	M1
	7	Naphthalene	128	6.248	6.248 (1.003)	206083	2.00000	1.79	
	8	Hexachlorobutadiene	225	6.379	6.379 (1.024)	48372	2.00000	1.94	
	9	2-Methylnaphthalene	142	6.917	6.917 (1.110)	148549	2.00000	2.20	
	10	1-Methylnaphthalene	142	7.015	7.015 (1.126)	119289	2.00000	1.60	
\$	11	2-Fluorobiphenyl	172	7.294	7.294 (1.171)	1731855	20.0000	19.8	
	12	2-Chloronaphthalene	162	7.392	7.392 (1.187)	170671	2.00000	2.22	
	13	Acenaphthylene	152	7.784	7.784 (1.249)	200206	2.00000	1.94	
*	14	Acenaphthene-d10	164	7.938	7.938 (1.000)	210350	4.00000		
	15	Acenaphthene	153	7.966	7.966 (1.004)	133381	2.00000	2.18	
	16	Fluorene	166	8.473	8.473 (1.067)	123252	2.00000	2.00	
\$	17	2,4,6-Tribromophenol	330	8.730	8.730 (1.100)	353591	20.0000	27.6	
	18	Hexachlorobenzene	284	9.033	9.033 (0.961)	70114	2.00000	2.36	
	19	Pentachlorophenol	266	9.245	9.245 (0.984)	32054	2.00000	2.32	
*	20	Phenanthrene-d10	188	9.396	9.396 (1.000)	399896	4.00000		
	21	Phenanthrene	178	9.411	9.411 (1.002)	210299	2.00000	2.12	
	22	Anthracene	178	9.472	9.472 (1.008)	222938	2.00000	1.92(M)	M1
\$	23	0-Terphenyl-MS	230	9.790	9.790 (1.042)	1175444	20.0000	18.5	
	24	Fluoranthene	202	10.591	10.591 (1.127)	250580	2.00000	2.26	
	25	Pyrene	202	10.837	10.837 (1.153)	270795	2.00000	2.26	
\$	26	4-Terphenyl-d14	244	11.058	11.058 (1.177)	1217613	20.0000	21.6	
	27	Benzo(a)anthracene	228	12.591	12.591 (0.999)	224849	2.00000	2.24	
*	28	Chrysene-d12	240	12.602	12.602 (1.000)	388130	4.00000		
	29	Chrysene	228	12.645	12.645 (1.003)	239894	2.00000	2.06	
	30	Benzo(b)fluoranthene	252	14.780	14.780 (0.945)	211952	2.00000	2.11	
	31	Benzo(k)fluoranthene	252	14.845	14.845 (0.949)	245147	2.00000	2.22	
	33	Benzo(a)pyrene	252	15.502	15.502 (0.991)	211592	2.00000	2.06	
*	34	Perylene-d12	264	15.642	15.642 (1.000)	370286	4.00000		

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL	RT	EXP RT	REL RT	RESPONSE	
=====	=====	(ng)	(ng)	=====	=====	=====	=====	=====
36 Indeno(1,2,3-cd)pyrene	276	18.175	18.175 (1.162)	278651	2.00000	2.14		
37 Dibenzo(a,h)anthracene	278	18.266	18.266 (1.168)	303042	2.00000	2.11		
38 Benzo(ghi)perylene	276	18.818	18.818 (1.203)	309545	2.00000	2.11		

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 24-AUG-2010
 Lab File ID: cc0825.D Calibration Time: 09:09
 Lab Smp Id:
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: hl
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825.b\mcp30s2.m
 Misc Info: ICAL5275

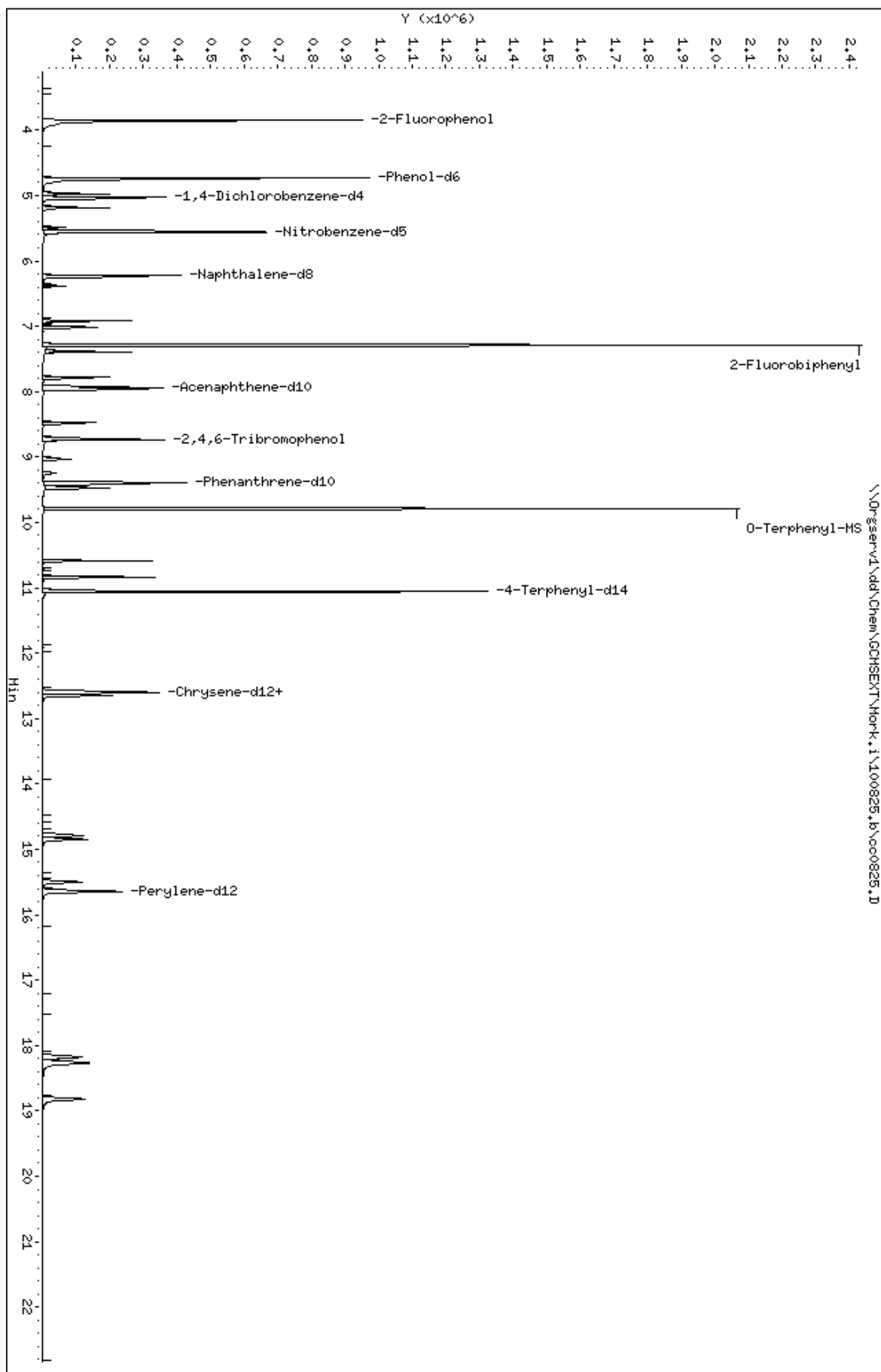
Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.00
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AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825.b\DFT0825.D
 Lab Smp Id:
 Inj Date : 25-AUG-2010 09:29
 Operator : hl Inst ID: Mork.i
 Smp Info : dftpp
 Misc Info :
 Comment :
 Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825.b\dftpp.m
 Meth Date : 15-Apr-2010 09:21 hlac Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 100 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: ABN-6

CONCENTRATIONS									
RT	EXP RT	DLT RT	MASS	RESPONSE	ON-COL		TARGET	RANGE	RATIO
					(ug/L)	FINAL (ug/L)			
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dftpp					CAS #: 5074-71-5				
6.064	6.198	-0.134	198	439040			0.00-	100.00	100.00
6.064	7.208	-1.144	51	146624			30.00-	60.00	33.40
6.064	7.208	-1.144	68	0	0.0	0.0	0.00-	2.00	0.00
6.064	7.208	-1.144	69	182720			0.00-	0.00	41.62
6.064	7.208	-1.144	70	863			0.00-	2.00	0.47
6.064	7.208	-1.144	127	200128			40.00-	60.00	45.58
6.064	7.208	-1.144	197	0	0.0	0.0	0.00-	1.00	0.00
6.064	7.208	-1.144	199	30264			5.00-	9.00	6.89
6.064	7.208	-1.144	275	123856			10.00-	30.00	28.21
6.064	7.208	-1.144	365	15905			1.00-	0.00	3.62
6.064	7.208	-1.144	441	53256			0.01-	99.99	77.61
6.064	7.208	-1.144	442	359808			40.00-	99.99	81.95
6.064	7.208	-1.144	443	68624			17.00-	23.00	19.07

Date : 25-AUG-2010 09:29

Client ID:

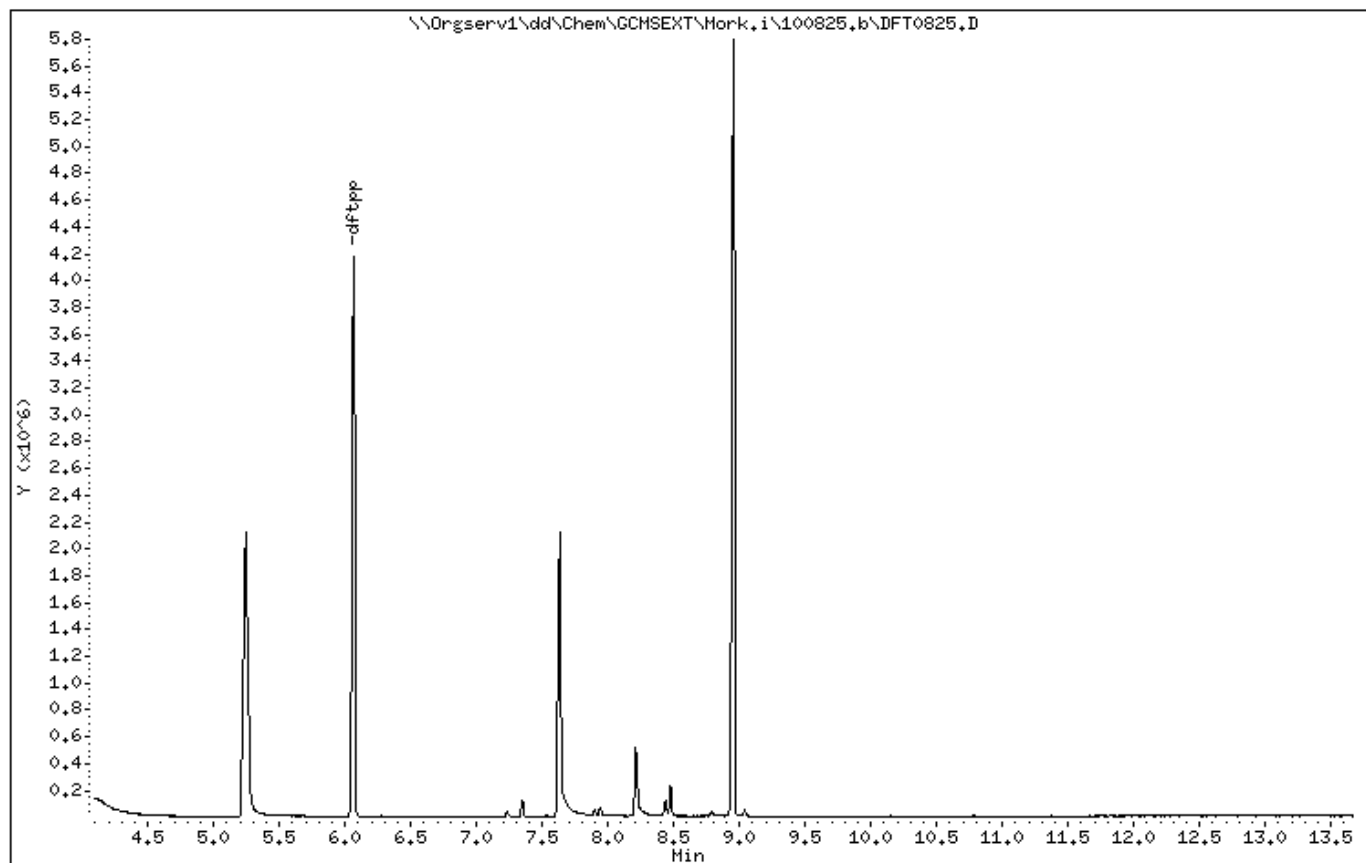
Instrument: Mork,i

Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2,00



Date : 25-AUG-2010 09:29

Client ID:

Instrument: Mork.i

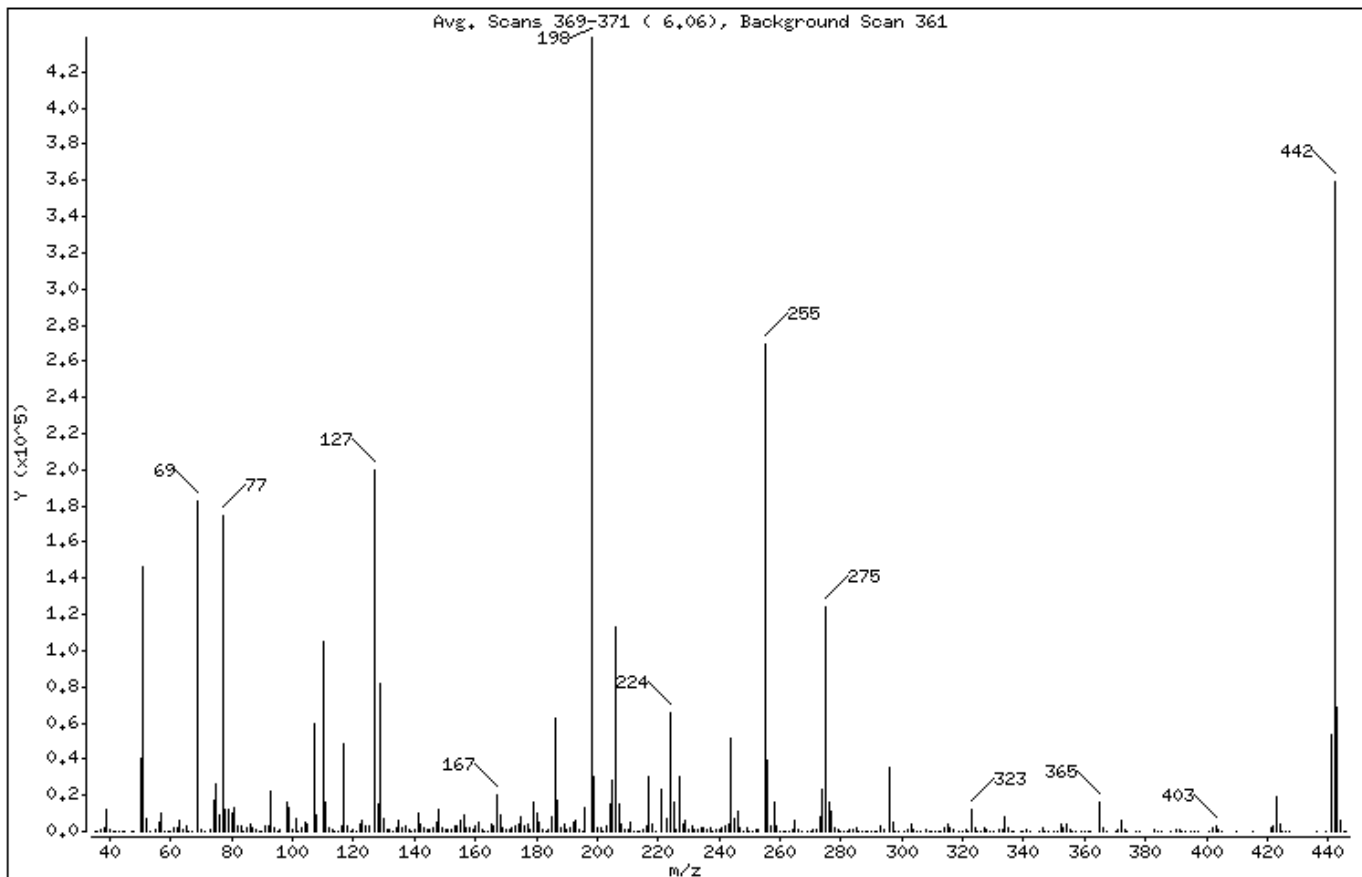
Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00

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	33.40
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	41.62
70	Less than 2.00% of mass 69	0.20 (0.47)
127	40.00 - 60.00% of mass 198	45.58
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.89
275	10.00 - 30.00% of mass 198	28.21
365	Greater than 1.00% of mass 198	3.62
441	Present, but less than mass 443	12.13
442	40.00 - 99.99% of mass 198	81.95
443	17.00 - 23.00% of mass 442	15.63 (19.07)

Date : 25-AUG-2010 09:29

Client ID:

Instrument: Mork.i

Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00

Data File: DFT0825.D

Spectrum: Avg. Scans 369-371 (6.06), Background Scan 361

Location of Maximum: 198.00

Number of points: 347

m/z	Y	m/z	Y	m/z	Y	m/z	Y

35.00	60	131.00	1244	219.00	452	313.00	267
36.00	164	132.00	691	221.00	22888	314.00	1765
37.00	728	133.00	8	223.00	7284	315.00	4307
38.00	2100	134.00	2427	224.00	65552	316.00	2395
39.00	11760	135.00	6258	225.00	16640	317.00	570

40.00	547	136.00	2195	226.00	1358	319.00	96
41.00	330	137.00	2818	227.00	29776	320.00	164
42.00	10	138.00	642	228.00	4231	321.00	1114
43.00	77	139.00	430	229.00	5620	322.00	354
44.00	219	140.00	1080	230.00	734	323.00	11995

45.00	351	141.00	10431	231.00	2532	324.00	2113
47.00	97	142.00	3802	232.00	524	325.00	292
48.00	144	143.00	2391	233.00	527	326.00	323
50.00	40552	144.00	647	234.00	1646	327.00	2405
51.00	146624	145.00	599	235.00	1994	328.00	1282

52.00	7499	146.00	2270	236.00	1319	329.00	258
53.00	141	147.00	5003	237.00	2185	330.00	125
55.00	949	148.00	11751	238.00	304	332.00	894
56.00	4668	149.00	2473	239.00	1240	333.00	920
57.00	10411	150.00	781	240.00	716	334.00	7776

58.00	457	151.00	1329	241.00	1748	335.00	2012
59.00	147	152.00	873	242.00	3418	336.00	244
60.00	162	153.00	3461	243.00	3665	337.00	33
61.00	2109	154.00	2644	244.00	51344	339.00	218
62.00	2247	155.00	5813	245.00	7388	340.00	104

63.00	6117	156.00	8793	246.00	10737	341.00	1356
64.00	870	157.00	1903	247.00	2128	342.00	419
65.00	2940	158.00	1982	248.00	495	345.00	40
66.00	234	159.00	1390	249.00	1961	346.00	2483
67.00	100	160.00	3240	250.00	405	347.00	494

69.00	182720	161.00	4687	251.00	424	348.00	33
70.00	863	162.00	1442	252.00	515	350.00	198
71.00	100	163.00	494	253.00	1074	351.00	151
73.00	584	164.00	501	255.00	269184	352.00	3796
74.00	16736	165.00	3759	256.00	38984	353.00	2177

Date : 25-AUG-2010 09:29

Client ID:

Instrument: Mork.i

Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00

Data File: DFT0825.D

Spectrum: Avg. Scans 369-371 (6.06), Background Scan 361

Location of Maximum: 198.00

Number of points: 347

m/z	Y	m/z	Y	m/z	Y	m/z	Y

75.00	26368	166.00	2958	257.00	3516	354.00	3725
76.00	9159	167.00	20408	258.00	16132	355.00	637
77.00	174272	168.00	8861	259.00	2596	356.00	54
78.00	12178	169.00	1701	260.00	464	357.00	118
79.00	12429	170.00	732	261.00	370	359.00	305

80.00	9945	171.00	841	262.00	41	360.00	56
81.00	13467	172.00	1886	263.00	150	361.00	32
82.00	3256	173.00	2736	264.00	523	362.00	32
83.00	2949	174.00	4509	265.00	6465	365.00	15905
84.00	214	175.00	7943	266.00	931	366.00	2129

85.00	2334	176.00	2588	267.00	268	367.00	193
86.00	3570	177.00	3979	269.00	105	370.00	406
87.00	1783	178.00	1504	270.00	239	371.00	970
88.00	668	179.00	16520	271.00	549	372.00	6005
89.00	385	180.00	10110	272.00	763	373.00	1492

90.00	25	181.00	4965	273.00	8248	374.00	154
91.00	3042	182.00	709	274.00	22824	377.00	135
92.00	3281	183.00	454	275.00	123856	378.00	26
93.00	21800	184.00	1231	276.00	16063	383.00	1490
94.00	1578	185.00	7894	277.00	10792	384.00	466

95.00	439	186.00	62296	278.00	1531	385.00	142
96.00	939	187.00	17184	279.00	507	388.00	56
98.00	16038	188.00	1903	280.00	53	390.00	802
99.00	12650	189.00	4267	281.00	101	391.00	576
100.00	1169	190.00	586	282.00	334	392.00	382

101.00	7344	191.00	1833	283.00	1189	393.00	28
102.00	463	192.00	5097	284.00	813	395.00	63
103.00	2354	193.00	5602	285.00	1914	396.00	56
104.00	4727	194.00	1121	286.00	359	397.00	71
105.00	4452	195.00	370	287.00	75	401.00	415

107.00	59392	196.00	12697	288.00	132	402.00	2416
108.00	8791	198.00	439040	289.00	384	403.00	3527
110.00	104904	199.00	30264	290.00	327	404.00	1055
111.00	16352	200.00	2415	291.00	211	405.00	172
112.00	1939	201.00	1683	292.00	440	410.00	90

Date : 25-AUG-2010 09:29

Client ID:

Instrument: Mork.i

Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00

Data File: DFT0825.D

Spectrum: Avg. Scans 369-371 (6.06), Background Scan 361

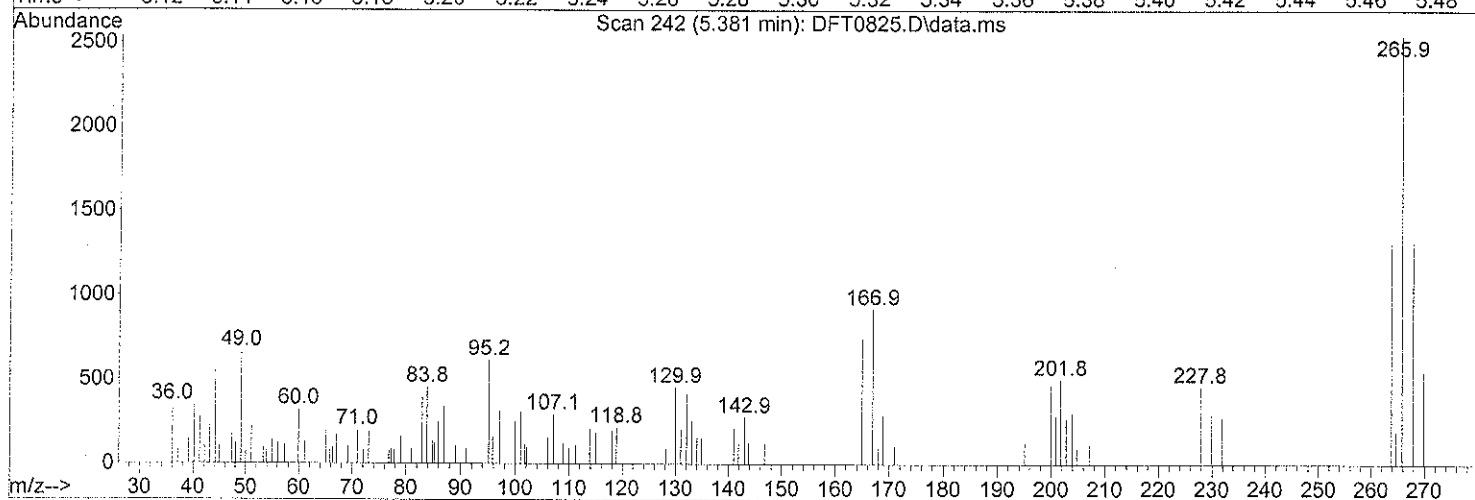
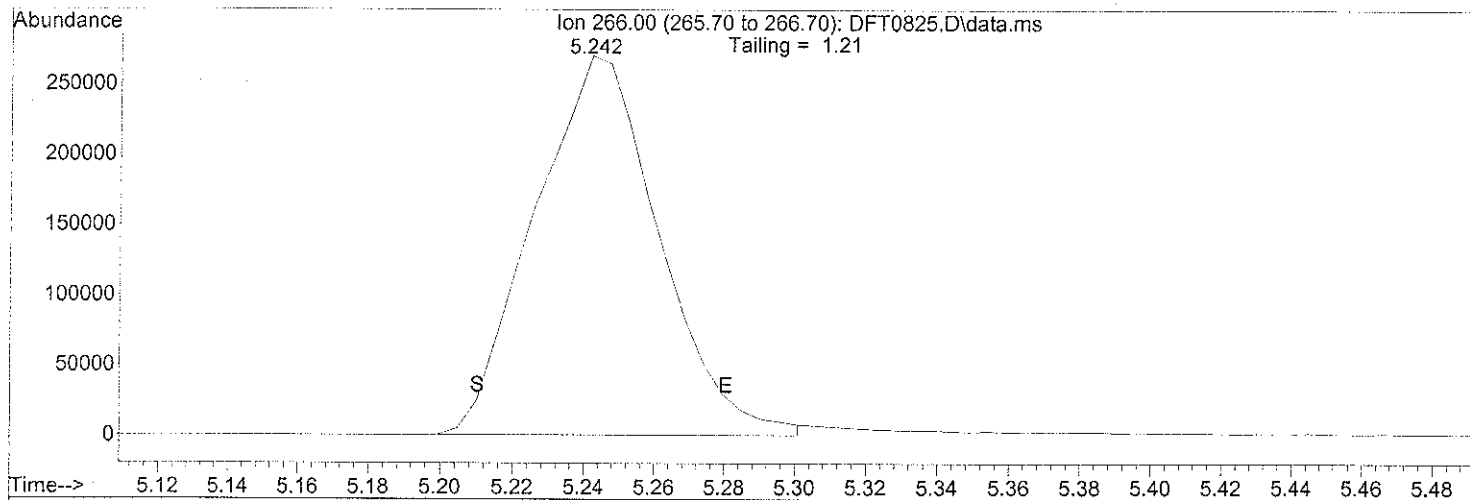
Location of Maximum: 198.00

Number of points: 347

m/z	Y	m/z	Y	m/z	Y	m/z	Y
+-----+-----+-----+-----+-----+-----+-----+-----+							
113.00	698	202.00	337	293.00	2582	415.00	103
114.00	213	203.00	3377	294.00	536	421.00	2513
115.00	141	204.00	15595	296.00	35576	422.00	2607
116.00	3506	205.00	28032	297.00	4939	423.00	19128
117.00	48288	206.00	112736	298.00	383	424.00	3757
+-----+-----+-----+-----+-----+-----+-----+-----+							
118.00	3370	207.00	15034	299.00	94	425.00	421
119.00	395	208.00	4039	301.00	483	426.00	27
120.00	773	209.00	1122	302.00	718	427.00	26
121.00	229	210.00	1483	303.00	4360	436.00	28
122.00	3710	211.00	4686	304.00	1285	439.00	261
+-----+-----+-----+-----+-----+-----+-----+-----+							
123.00	5903	212.00	340	305.00	179	441.00	53256
124.00	2591	213.00	410	306.00	29	442.00	359808
125.00	2707	214.00	165	308.00	645	443.00	68624
127.00	200128	215.00	1375	309.00	339	444.00	6304
128.00	15300	216.00	2715	310.00	504	445.00	249
+-----+-----+-----+-----+-----+-----+-----+-----+							
129.00	81760	217.00	30232	311.00	95	446.00	31
130.00	7140	218.00	3910	312.00	213		
+-----+-----+-----+-----+-----+-----+-----+-----+							

Data Path : F:\Chem\GCMSEXT\Mork.i\100825.b\
Data File : DFT0825.D
Acq On : 25 Aug 2010 9:29 am
Operator : hl
Sample : dftpp
Misc :
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 26 07:56:31 2010
Quant Method : C:\msdchem\1\METHODS\tailing-mork.M
Quant Title :
QLast Update : Sat Jul 24 09:19:59 2010
Response via : Initial Calibration



TIC: DFT0825.D\data.ms

(1) pentachlorophenol

5.380min 0.00 d

response 0

Ion	Exp%	Act%
266.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Mork.i Injection Date: 27-AUG-2010 07:31
Lab File ID: cc0827.D Init. Cal. Date(s): 21-AUG-2010 21-AUG-2010
Analysis Type: Init. Cal. Times: 13:51 17:49
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827.b\mcp30s2.m

COMPOUND	RRF / AMOUNT	RF2	CCAL RRF2	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 1 2-Fluorophenol	1.11298	0.97400	0.97400	0.050	-12.48737	20.00000	Averaged
\$ 2 Phenol-d6	1.12027	1.22162	1.22162	0.050	9.04620	20.00000	Averaged
4 Hexachloroethane	0.59237	0.58505	0.58505	0.050	-1.23635	20.00000	Averaged
\$ 5 Nitrobenzene-d5	1.17346	1.06750	1.06750	0.050	-9.02953	20.00000	Averaged
7 Naphthalene	1.07985	1.12484	1.12484	0.050	4.16691	20.00000	Averaged
8 Hexachlorobutadiene	0.23412	0.26628	0.26628	0.050	13.73619	20.00000	Averaged
9 2-Methylnaphthalene	0.63600	0.75296	0.75296	0.050	18.39030	20.00000	Averaged
10 1-Methylnaphthalene	0.70063	0.60318	0.60318	0.050	-13.90924	20.00000	Averaged
\$ 11 2-Fluorobiphenyl	0.82412	0.96249	0.96249	0.050	16.79113	20.00000	Averaged
12 2-Chloronaphthalene	0.72286	0.86043	0.86043	0.050	19.03138	20.00000	Averaged
13 Acenaphthylene	0.97105	1.09019	1.09019	0.050	12.26951	20.00000	Averaged
15 Acenaphthene	1.16416	1.19096	1.19096	0.050	2.30200	20.00000	Averaged
16 Fluorene	1.17146	1.35920	1.35920	0.050	16.02664	20.00000	Averaged
\$ 17 2,4,6-Tribromophenol	0.24325	0.34604	0.34604	0.050	42.25948	20.00000	Averaged<-
18 Hexachlorobenzene	0.29753	0.35124	0.35124	0.050	18.05321	20.00000	Averaged
19 Pentachlorophenol	2.00000	2.09152	0.14176	0.050	4.57620	20.00000	Linear
21 Phenanthrene	0.99389	1.17009	1.17009	0.050	17.72814	20.00000	Averaged
22 Anthracene	1.15852	1.06583	1.06583	0.050	-8.00064	20.00000	Averaged
\$ 23 O-Terphenyl-MS	0.63601	0.71264	0.71264	0.050	12.04895	20.00000	Averaged
24 Fluoranthene	1.10641	1.24533	1.24533	0.050	12.55621	20.00000	Averaged
25 Pyrene	1.19713	1.33717	1.33717	0.050	11.69854	20.00000	Averaged
\$ 26 4-Terphenyl-d14	0.56372	0.60557	0.60557	0.050	7.42336	20.00000	Averaged
27 Benzo(a)anthracene	1.03646	1.09009	1.09009	0.050	5.17424	20.00000	Averaged
29 Chrysene	1.20032	1.20523	1.20523	0.050	0.40878	20.00000	Averaged
30 Benzo(b)fluoranthene	2.00000	1.98443	1.07137	0.050	-0.77863	20.00000	Linear
31 Benzo(k)fluoranthene	1.19407	1.31455	1.31455	0.050	10.08947	20.00000	Averaged
33 Benzo(a)pyrene	2.00000	1.99046	1.09913	0.050	-0.47679	20.00000	Linear
36 Indeno(1,2,3-cd)pyrene	2.00000	1.95688	1.36222	0.050	-2.15617	20.00000	Linear
37 Dibenzo(a,h)anthracene	2.00000	1.98523	1.53449	0.050	-0.73826	20.00000	Linear
38 Benzo(ghi)perylene	2.00000	2.03434	1.60843	0.050	1.71702	20.00000	Linear

Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827p.b\cc0827.D
Lab Smp Id:
Inj Date : 27-AUG-2010 07:31
Operator : hl Inst ID: Mork.i
Smp Info : ccsim 2.0 lot 3059
Misc Info : ,ICAL5275
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827p.b\mcp30s2.m
Meth Date : 31-Aug-2010 14:13 jclements Quant Type: ISTD
Cal Date : 21-AUG-2010 16:20 Cal File: siml6.D
Als bottle: 96 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: EXT-6

						AMOUNTS				
		QUANT SIG						CAL-AMT	ON-COL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE	
=====		=====	=====	=====	=====	=====	=====	=====	=====	
\$	1	2-Fluorophenol	112	3.853	3.853 (0.766)	650894	20.0000	17.5		
\$	2	Phenol-d6	99	4.734	4.734 (0.942)	816370	20.0000	21.8		
*	3	1,4-Dichlorobenzene-d4	152	5.028	5.028 (1.000)	133654	4.00000			
	4	Hexachloroethane	117	5.490	5.490 (1.092)	39097	2.00000	1.98		
\$	5	Nitrobenzene-d5	82	5.560	5.560 (1.106)	713377	20.0000	18.2		
*	6	Naphthalene-d8	136	6.231	6.231 (1.000)	355237	4.00000			
	7	Naphthalene	128	6.248	6.248 (1.003)	199793	2.00000	2.08		
	8	Hexachlorobutadiene	225	6.380	6.380 (1.024)	47296	2.00000	2.27		
	9	2-Methylnaphthalene	142	6.917	6.917 (1.110)	133739	2.00000	2.37		
	10	1-Methylnaphthalene	142	7.015	7.015 (1.126)	107136	2.00000	1.72		
\$	11	2-Fluorobiphenyl	172	7.295	7.295 (1.171)	1709569	20.0000	23.4		
	12	2-Chloronaphthalene	162	7.393	7.393 (1.186)	152829	2.00000	2.38		
	13	Acenaphthylene	152	7.784	7.784 (1.249)	193638	2.00000	2.24		
*	14	Acenaphthene-d10	164	7.938	7.938 (1.000)	195023	4.00000			
	15	Acenaphthene	153	7.966	7.966 (1.004)	116132	2.00000	2.05		
	16	Fluorene	166	8.474	8.474 (1.068)	132538	2.00000	2.32		
\$	17	2,4,6-Tribromophenol	330	8.731	8.731 (1.100)	299831	20.0000	25.3		
	18	Hexachlorobenzene	284	9.034	9.034 (0.961)	66881	2.00000	2.36		
	19	Pentachlorophenol	266	9.246	9.246 (0.984)	26992	2.00000	2.09		
*	20	Phenanthrene-d10	188	9.397	9.397 (1.000)	380823	4.00000			
	21	Phenanthrene	178	9.412	9.412 (1.002)	222799	2.00000	2.35		
	22	Anthracene	178	9.472	9.472 (1.008)	173727	2.00000	1.58		
\$	23	0-Terphenyl-MS	230	9.790	9.790 (1.042)	1356947	20.0000	22.4		
	24	Fluoranthene	202	10.592	10.592 (1.127)	237126	2.00000	2.25		
	25	Pyrene	202	10.837	10.837 (1.153)	254613	2.00000	2.23		
\$	26	4-Terphenyl-d14	244	11.058	11.058 (1.177)	1153076	20.0000	21.5		
	27	Benzo(a)anthracene	228	12.590	12.590 (0.998)	206031	2.00000	2.10		
*	28	Chrysene-d12	240	12.611	12.611 (1.000)	378006	4.00000			
	29	Chrysene	228	12.644	12.644 (1.003)	227676	2.00000	2.01		
	30	Benzo(b)fluoranthene	252	14.779	14.779 (0.945)	191422	2.00000	1.98		
	31	Benzo(k)fluoranthene	252	14.843	14.843 (0.949)	234672	2.00000	2.20		
	33	Benzo(a)pyrene	252	15.501	15.501 (0.991)	196382	2.00000	1.99		
*	34	Perylene-d12	264	15.641	15.641 (1.000)	357322	4.00000			

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====
36 Indeno(1,2,3-cd)pyrene	276	18.178	18.178	(1.162)	243388	2.00000	1.96	
37 Dibenzo(a,h)anthracene	278	18.270	18.270	(1.168)	274182	2.00000	1.98	
38 Benzo(ghi)perylene	276	18.822	18.822	(1.203)	287379	2.00000	2.03	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 27-AUG-2010
 Lab File ID: cc0827.D Calibration Time: 07:31
 Lab Smp Id:
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: hl
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827p.b\mcp30s2.m
 Misc Info: ,ICAL5275

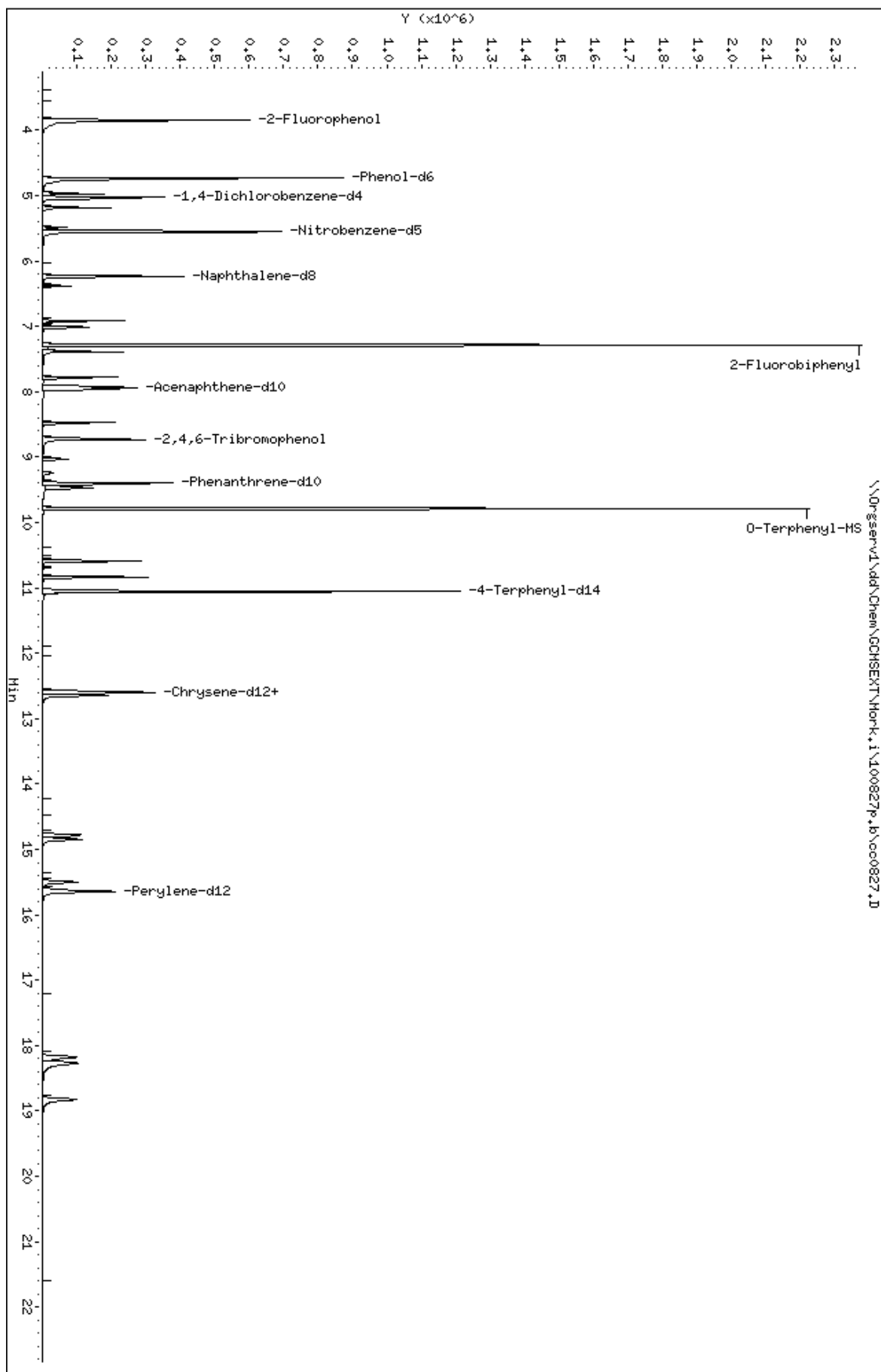
Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
3 1,4-Dichlorobenze	119819	59910	239638	133654	11.55
6 Naphthalene-d8	327687	163844	655374	355237	8.41
14 Acenaphthene-d10	201401	100701	402802	195023	-3.17
20 Phenanthrene-d10	362669	181335	725338	380823	5.01
28 Chrysene-d12	341058	170529	682116	378006	10.83
34 Perylene-d12	319782	159891	639564	357322	11.74

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	-0.06
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.02
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.01
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	-0.01
28 Chrysene-d12	12.61	12.11	13.11	12.61	-0.00
34 Perylene-d12	15.64	15.14	16.14	15.64	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827.b\cc0827.D
Lab Smp Id:
Inj Date : 27-AUG-2010 07:31
Operator : hl Inst ID: Mork.i
Smp Info : ccsim 2.0 lot 3059
Misc Info : ,ICAL5275
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827.b\mcp30s2.m
Meth Date : 27-Aug-2010 08:25 Mork.i Quant Type: ISTD
Cal Date : 21-AUG-2010 16:20 Cal File: siml6.D
Als bottle: 96 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: abncal.sub
Target Version: 4.12
Processing Host: ABN-6

Compounds	QUANT SIG						AMOUNTS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112	3.853	3.853	(0.766)	650894	20.0000	17.5		
\$ 2 Phenol-d6	99	4.734	4.734	(0.942)	816370	20.0000	21.8		
* 3 1,4-Dichlorobenzene-d4	152	5.028	5.028	(1.000)	133654	4.00000			
4 Hexachloroethane	117	5.490	5.490	(1.092)	39097	2.00000	1.98		
\$ 5 Nitrobenzene-d5	82	5.560	5.560	(1.106)	713377	20.0000	18.2		
* 6 Naphthalene-d8	136	6.231	6.231	(1.000)	355237	4.00000			
7 Naphthalene	128	6.248	6.248	(1.003)	199793	2.00000	2.08		
8 Hexachlorobutadiene	225	6.380	6.380	(1.024)	47296	2.00000	2.27		
9 2-Methylnaphthalene	142	6.917	6.917	(1.110)	133739	2.00000	2.37		
10 1-Methylnaphthalene	142	7.015	7.015	(1.126)	107136	2.00000	1.72		
\$ 11 2-Fluorobiphenyl	172	7.295	7.295	(1.171)	1709569	20.0000	23.4		
12 2-Chloronaphthalene	162	7.393	7.393	(1.186)	152829	2.00000	2.38		
13 Acenaphthylene	152	7.784	7.784	(1.249)	193638	2.00000	2.24		
* 14 Acenaphthene-d10	164	7.938	7.938	(1.000)	195023	4.00000			
15 Acenaphthene	153	7.966	7.966	(1.004)	116132	2.00000	2.05		
16 Fluorene	166	8.474	8.474	(1.068)	132538	2.00000	2.32		
\$ 17 2,4,6-Tribromophenol	330	8.731	8.731	(1.100)	337433	20.0000	28.4(M)		M1
18 Hexachlorobenzene	284	9.034	9.034	(0.961)	66881	2.00000	2.36		
19 Pentachlorophenol	266	9.246	9.246	(0.984)	26992	2.00000	2.09		
* 20 Phenanthrene-d10	188	9.397	9.397	(1.000)	380823	4.00000			
21 Phenanthrene	178	9.412	9.412	(1.002)	222799	2.00000	2.35		
22 Anthracene	178	9.472	9.472	(1.008)	202947	2.00000	1.84(M)		M1
\$ 23 0-Terphenyl-MS	230	9.790	9.790	(1.042)	1356947	20.0000	22.4		
24 Fluoranthene	202	10.592	10.592	(1.127)	237126	2.00000	2.25		
25 Pyrene	202	10.837	10.837	(1.153)	254613	2.00000	2.23		
\$ 26 4-Terphenyl-d14	244	11.058	11.058	(1.177)	1153076	20.0000	21.5		
27 Benzo(a)anthracene	228	12.590	12.590	(0.998)	206031	2.00000	2.10		
* 28 Chrysene-d12	240	12.611	12.611	(1.000)	378006	4.00000			
29 Chrysene	228	12.644	12.644	(1.003)	227792	2.00000	2.01		
30 Benzo(b)fluoranthene	252	14.779	14.779	(0.945)	191422	2.00000	1.98		
31 Benzo(k)fluoranthene	252	14.843	14.843	(0.949)	234870	2.00000	2.20		
33 Benzo(a)pyrene	252	15.501	15.501	(0.991)	196382	2.00000	1.99		
* 34 Perylene-d12	264	15.641	15.641	(1.000)	357340	4.00000			

Compounds	QUANT SIG	AMOUNTS						REVIEW CODE
		CAL-AMT	ON-COL	RT	EXP RT	REL RT	RESPONSE	
=====	=====	(ng)	(ng)	=====	=====	=====	=====	=====
36 Indeno(1,2,3-cd)pyrene	276	18.178	18.178 (1.162)	243388	2.00000	1.96		
37 Dibenzo(a,h)anthracene	278	18.270	18.270 (1.168)	274167	2.00000	1.98		
38 Benzo(ghi)perylene	276	18.822	18.822 (1.203)	287379	2.00000	2.03		

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 26-AUG-2010
 Lab File ID: cc0827.D Calibration Time: 08:06
 Lab Smp Id:
 Analysis Type: SV Level:
 Quant Type: ISTD Sample Type:
 Operator: hl
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827.b\mcp30s2.m
 Misc Info: ,ICAL5275

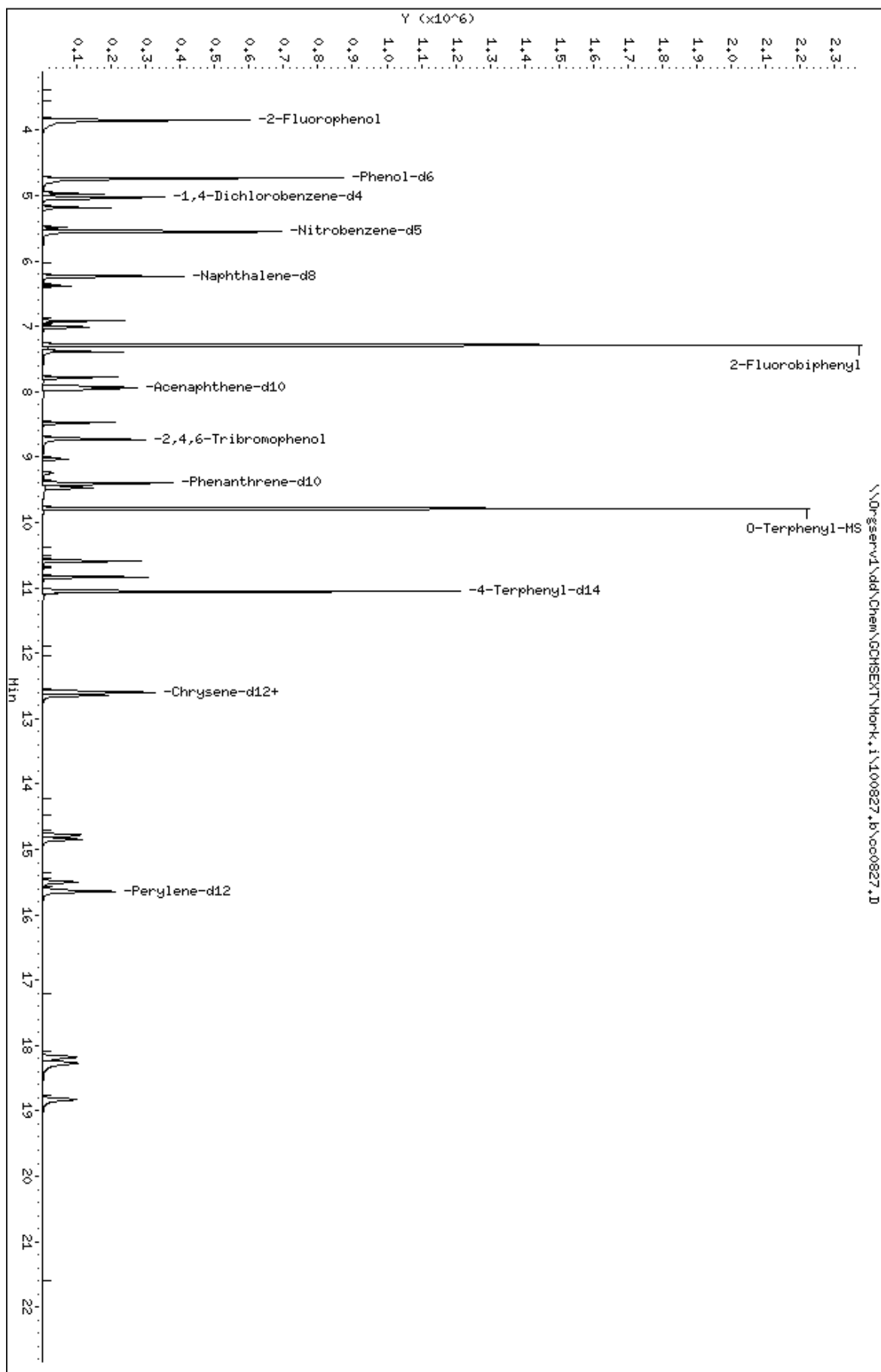
Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
3 1,4-Dichlorobenze	119819	59910	239638	133654	11.55
6 Naphthalene-d8	327687	163844	655374	355237	8.41
14 Acenaphthene-d10	201401	100701	402802	195023	-3.17
20 Phenanthrene-d10	362669	181335	725338	380823	5.01
28 Chrysene-d12	341058	170529	682116	378006	10.83
34 Perylene-d12	319782	159891	639564	357340	11.74

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	-0.06
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.02
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	0.01
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	-0.01
28 Chrysene-d12	12.61	12.11	13.11	12.61	-0.00
34 Perylene-d12	15.64	15.14	16.14	15.64	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827.b\DFT0827.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 07:11
 Operator : hl Inst ID: Mork.i
 Smp Info : dftpp
 Misc Info :
 Comment :
 Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100827.b\dftpp.m
 Meth Date : 15-Apr-2010 09:21 hlac Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 100 QC Sample: DFTPP
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: ABN-6

CONCENTRATIONS									
				ON-COL		FINAL			
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1 dftpp				CAS #: 5074-71-5					
6.061	6.198	-0.137	198	370688			0.00-	100.00	100.00
6.061	7.208	-1.147	51	123824			30.00-	60.00	33.40
6.061	7.208	-1.147	68	0	0.0	0.0	0.00-	2.00	0.00
6.061	7.208	-1.147	69	150336			0.00-	0.00	40.56
6.061	7.208	-1.147	70	461			0.00-	2.00	0.31
6.061	7.208	-1.147	127	162112			40.00-	60.00	43.73
6.061	7.208	-1.147	197	0	0.0	0.0	0.00-	1.00	0.00
6.061	7.208	-1.147	199	25056			5.00-	9.00	6.76
6.061	7.208	-1.147	275	107504			10.00-	30.00	29.00
6.061	7.208	-1.147	365	15983			1.00-	0.00	4.31
6.061	7.208	-1.147	441	49568			0.01-	99.99	78.26
6.061	7.208	-1.147	442	333888			40.00-	99.99	90.07
6.061	7.208	-1.147	443	63336			17.00-	23.00	18.97

Date : 27-AUG-2010 07:11

Client ID:

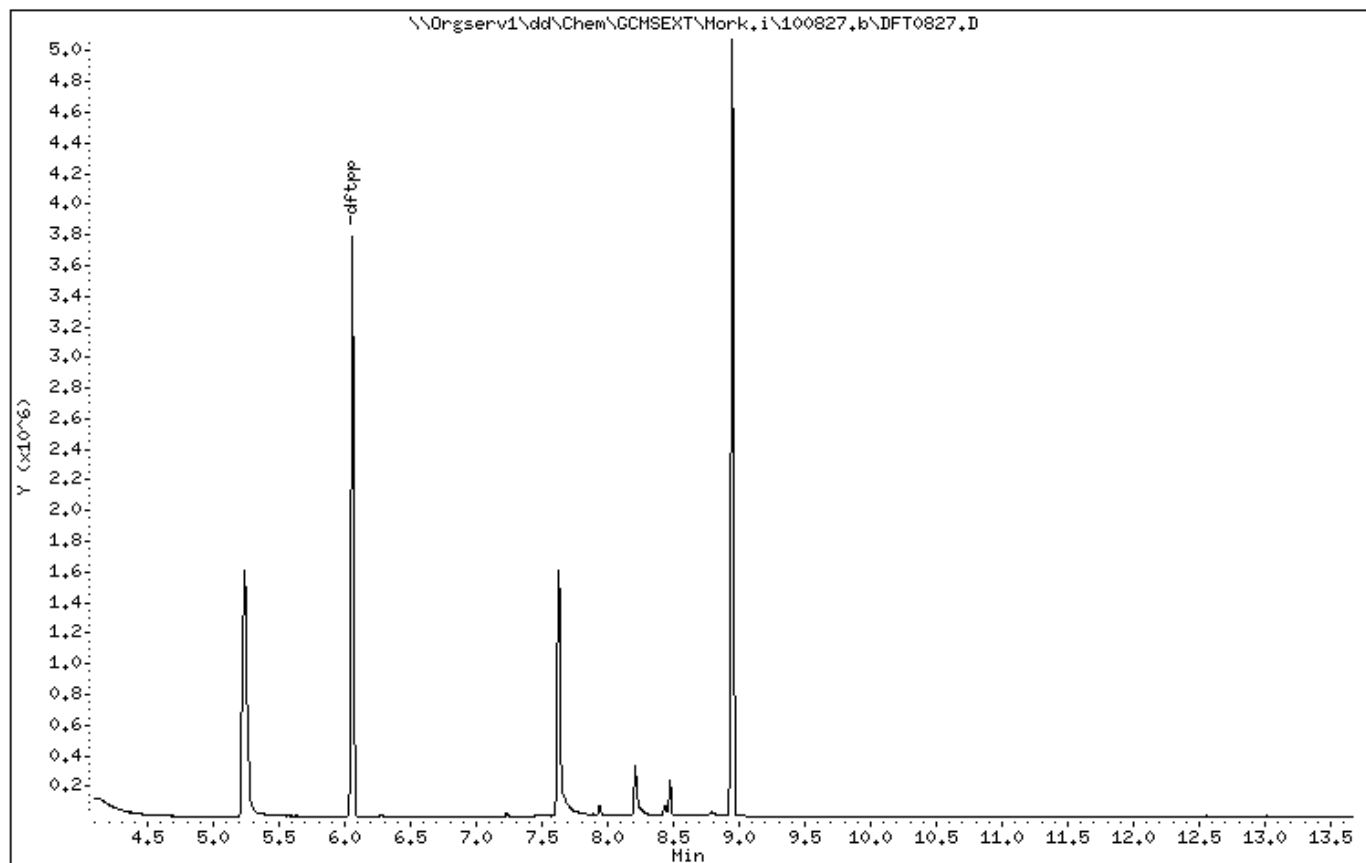
Instrument: Hork,i

Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2,00



Date : 27-AUG-2010 07:11

Client ID:

Instrument: Mork.i

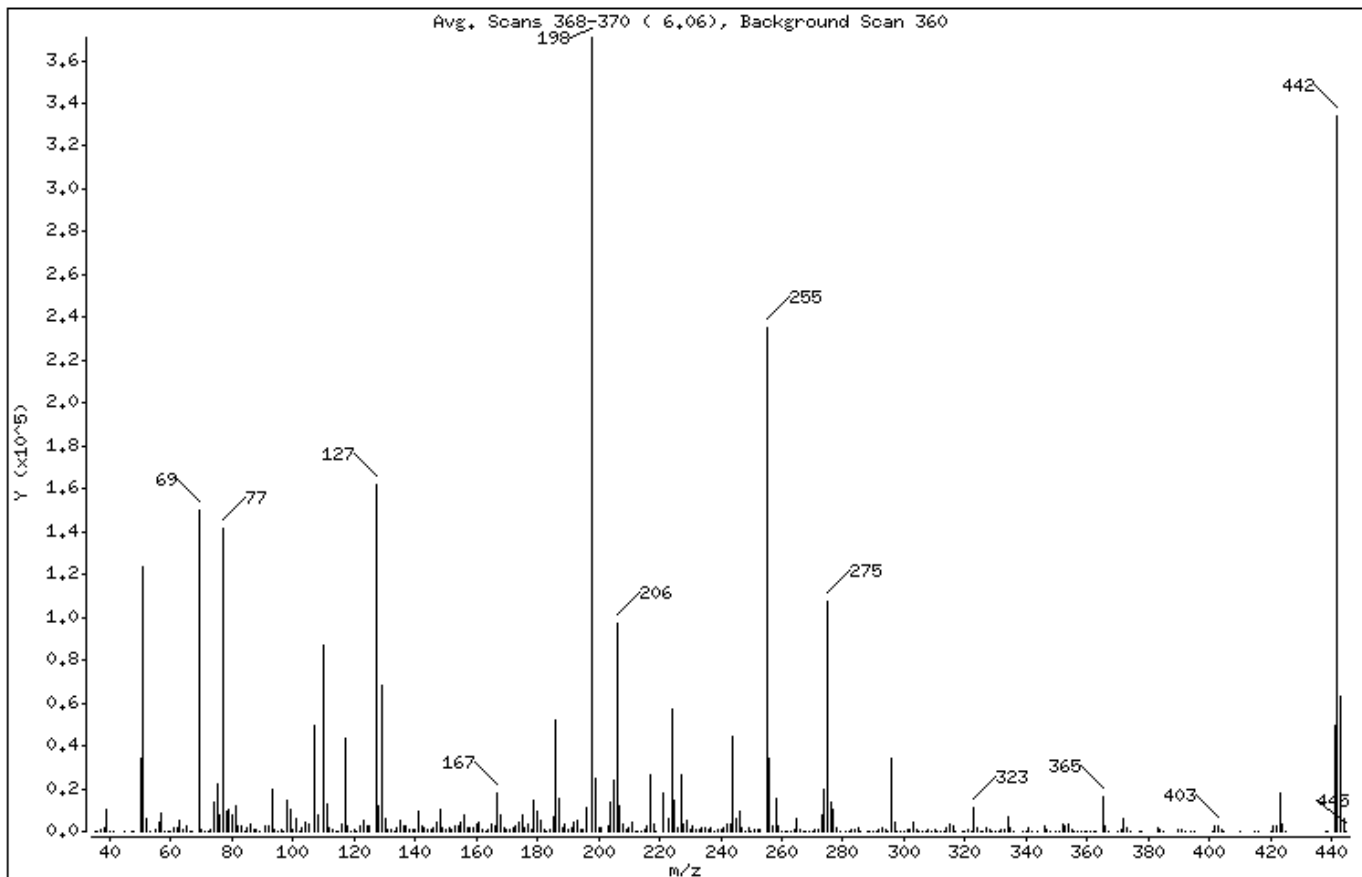
Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00

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	33.40
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	40.56
70	Less than 2.00% of mass 69	0.12 (0.31)
127	40.00 - 60.00% of mass 198	43.73
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.76
275	10.00 - 30.00% of mass 198	29.00
365	Greater than 1.00% of mass 198	4.31
441	Present, but less than mass 443	13.37
442	40.00 - 99.99% of mass 198	90.07
443	17.00 - 23.00% of mass 442	17.09 (18.97)

Date : 27-AUG-2010 07:11

Client ID:

Instrument: Mork.i

Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00

Data File: DFT0827.D

Spectrum: Avg. Scans 368-370 (6.06), Background Scan 360

Location of Maximum: 198.00

Number of points: 344

m/z	Y	m/z	Y	m/z	Y	m/z	Y
+-----+-----+-----+-----+-----+-----+-----+-----+							
35.00	31	133.00	149	224.00	57512	314.00	1510
36.00	69	134.00	1856	225.00	14151	315.00	3806
37.00	573	135.00	5041	226.00	1487	316.00	2311
38.00	1793	136.00	2142	227.00	26288	317.00	360
39.00	10086	137.00	2468	228.00	3471	319.00	105
+-----+-----+-----+-----+-----+-----+-----+-----+							
40.00	310	138.00	778	229.00	5238	320.00	99
41.00	267	139.00	433	230.00	710	321.00	1273
45.00	269	140.00	793	231.00	2163	322.00	260
47.00	136	141.00	9331	232.00	431	323.00	11046
48.00	47	142.00	2716	233.00	531	324.00	1856
+-----+-----+-----+-----+-----+-----+-----+-----+							
50.00	34240	143.00	1951	234.00	1694	325.00	152
51.00	123824	144.00	500	235.00	1739	326.00	273
52.00	6221	145.00	468	236.00	1220	327.00	1897
53.00	310	146.00	1727	237.00	1871	328.00	1132
55.00	757	147.00	4568	238.00	284	329.00	230
+-----+-----+-----+-----+-----+-----+-----+-----+							
56.00	3991	148.00	10201	239.00	965	330.00	36
57.00	8689	149.00	2092	240.00	856	331.00	42
58.00	402	150.00	629	241.00	1291	332.00	711
59.00	100	151.00	1300	242.00	3230	333.00	1086
60.00	128	152.00	877	243.00	3389	334.00	7145
+-----+-----+-----+-----+-----+-----+-----+-----+							
61.00	1462	153.00	2833	244.00	44640	335.00	1744
62.00	1808	154.00	2249	245.00	5906	336.00	184
63.00	4786	155.00	4683	246.00	9462	339.00	151
64.00	744	156.00	7636	247.00	1827	340.00	211
65.00	2599	157.00	1504	248.00	391	341.00	1328
+-----+-----+-----+-----+-----+-----+-----+-----+							
66.00	203	158.00	1634	249.00	1790	342.00	295
67.00	141	159.00	1281	250.00	336	344.00	29
69.00	150336	160.00	3071	251.00	444	346.00	2323
70.00	461	161.00	4350	252.00	449	347.00	562
71.00	162	162.00	1217	253.00	932	348.00	67
+-----+-----+-----+-----+-----+-----+-----+-----+							
72.00	109	163.00	351	255.00	235328	350.00	86
73.00	1139	164.00	494	256.00	34280	351.00	218
74.00	13714	165.00	3569	257.00	2442	352.00	3114
75.00	22496	166.00	2864	258.00	15145	353.00	2162
76.00	7411	167.00	18112	259.00	2393	354.00	3460

Date : 27-AUG-2010 07:11

Client ID:

Instrument: Mork.i

Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00

Data File: DFT0827.D

Spectrum: Avg. Scans 368-370 (6.06), Background Scan 360

Location of Maximum: 198.00

Number of points: 344

m/z	Y	m/z	Y	m/z	Y	m/z	Y

77.00	141376	168.00	7737	260.00	403	355.00	603
78.00	9468	169.00	1408	261.00	384	356.00	26
79.00	10300	170.00	676	262.00	36	357.00	48
80.00	7953	171.00	755	263.00	196	358.00	108
81.00	11645	172.00	1798	264.00	433	359.00	285

82.00	2712	173.00	2376	265.00	6160	360.00	27
83.00	2309	174.00	4015	266.00	1006	361.00	27
84.00	238	175.00	7480	267.00	120	362.00	26
85.00	1794	176.00	2028	268.00	95	363.00	27
86.00	3088	177.00	3366	269.00	52	365.00	15983

87.00	1256	178.00	938	270.00	334	366.00	2407
88.00	548	179.00	14577	271.00	487	367.00	115
89.00	322	180.00	9045	272.00	782	370.00	375
91.00	2521	181.00	4778	273.00	7258	371.00	870
92.00	2634	182.00	727	274.00	19560	372.00	5708

93.00	19192	183.00	419	275.00	107504	373.00	1308
94.00	1239	184.00	1154	276.00	14009	374.00	216
95.00	288	185.00	6781	277.00	9930	377.00	161
96.00	910	186.00	51904	278.00	1566	378.00	29
97.00	13	187.00	15357	279.00	320	383.00	1586

98.00	14858	188.00	1412	281.00	192	384.00	450
99.00	10100	189.00	3188	282.00	256	385.00	123
100.00	961	190.00	622	283.00	1123	390.00	694
101.00	5988	191.00	1364	284.00	739	391.00	626
102.00	297	192.00	4453	285.00	1845	392.00	385

103.00	2098	193.00	4879	286.00	367	394.00	29
104.00	4074	194.00	945	288.00	103	395.00	76
105.00	3702	195.00	504	289.00	416	401.00	408
107.00	49328	196.00	10690	290.00	376	402.00	2209
108.00	7320	198.00	370688	291.00	364	403.00	2858

110.00	87088	199.00	25056	292.00	524	404.00	1076
111.00	12687	200.00	2035	293.00	1926	405.00	158
112.00	1523	201.00	1623	294.00	574	410.00	107
113.00	564	203.00	2654	295.00	236	415.00	190
114.00	150	204.00	13542	296.00	33936	416.00	26

Date : 27-AUG-2010 07:11

Client ID:

Instrument: Mork.i

Sample Info: dftpp

Operator: hl

Column phase:

Column diameter: 2.00

Data File: DFT0827.D

Spectrum: Avg. Scans 368-370 (6.06), Background Scan 360

Location of Maximum: 198.00

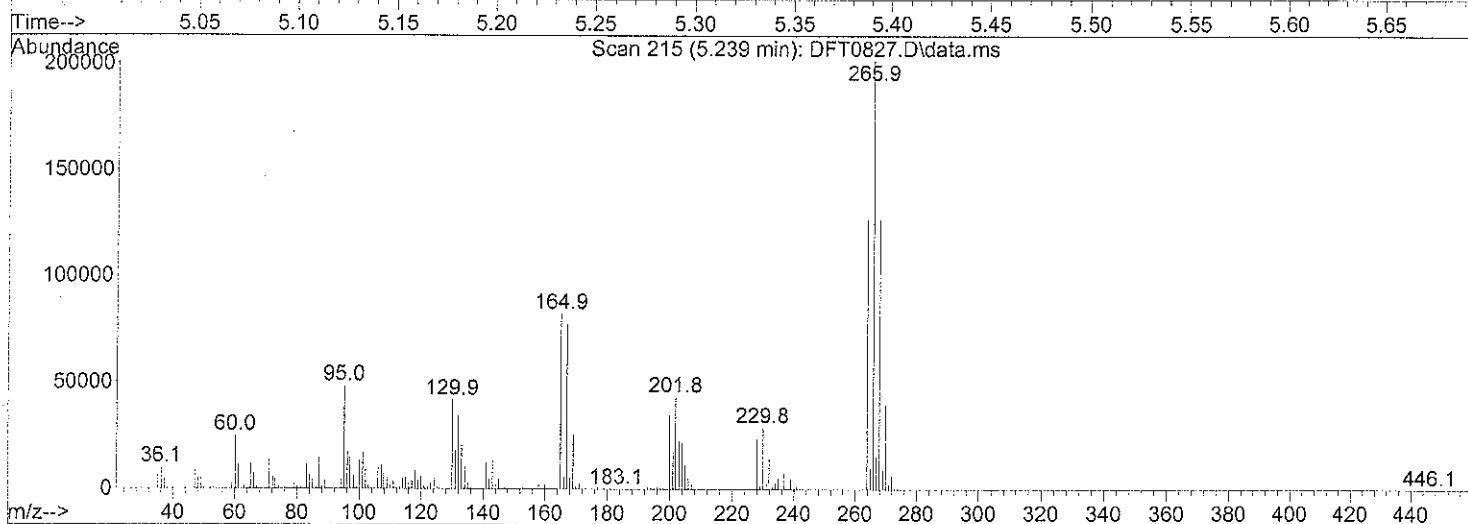
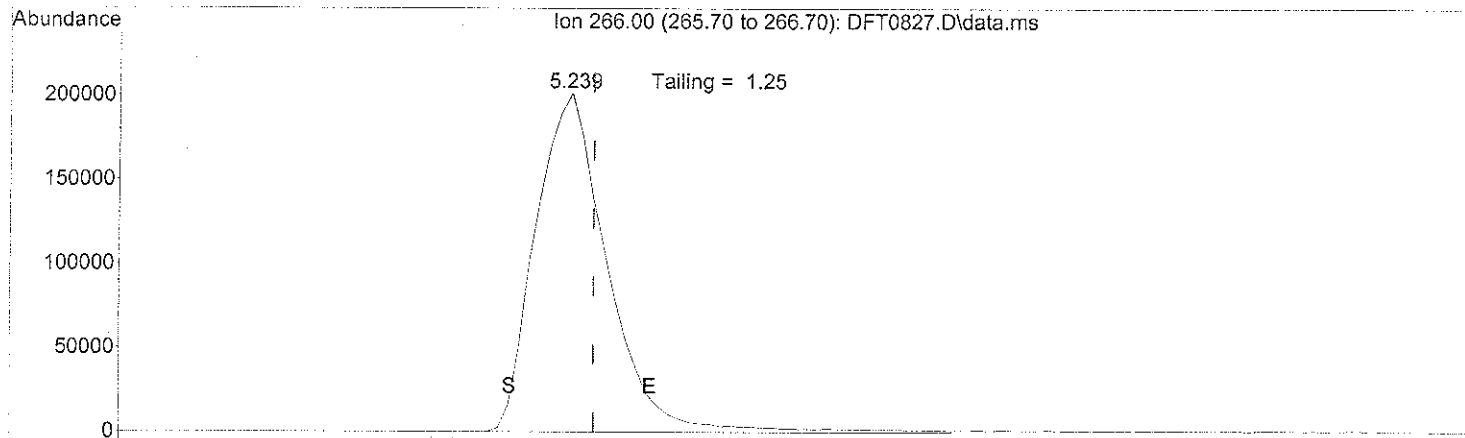
Number of points: 344

m/z	Y	m/z	Y	m/z	Y	m/z	Y
115.00	278	205.00	23664	297.00	4626	420.00	32
116.00	3090	206.00	97392	298.00	281	421.00	2521
117.00	43360	207.00	12251	299.00	53	422.00	2454
118.00	2929	208.00	3595	300.00	26	423.00	18232
119.00	384	209.00	1216	301.00	458	424.00	3614
120.00	620	210.00	1637	302.00	580	425.00	293
121.00	89	211.00	4020	303.00	3983	438.00	35
122.00	2982	212.00	322	304.00	1155	439.00	157
123.00	5306	213.00	387	305.00	146	441.00	49568
124.00	2205	214.00	99	306.00	28	442.00	333888
125.00	2134	215.00	1113	307.00	80	443.00	63336
127.00	162112	216.00	2263	308.00	477	444.00	6022
128.00	12134	217.00	26104	309.00	344	445.00	378
129.00	67976	218.00	3376	310.00	513		
130.00	5997	219.00	305	311.00	108		
131.00	1049	221.00	17776	312.00	92		
132.00	720	223.00	5792	313.00	277		

Quantitation Report (Qedit)

Data Path : F:\Chem\GCMSEXT\Mork.i\100827.b\
 Data File : DFT0827.D
 Acq On : 27 Aug 2010 7:11 am
 Operator : hl
 Sample : dftpp
 Misc :
 ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 28 10:41:53 2010
 Quant Method : C:\msdchem\1\METHODS\tailing-mork.M
 Quant Title :
 QLast Update : Sat Aug 28 10:32:02 2010
 Response via : Initial Calibration



TIC: DFT0827.D\data.ms

(1) pentachlorophenol

5.240min (-0.010) 0.00

response 4940691

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825a.b\429160-1.D

Lab Smp Id:

Inj Date : 25-AUG-2010 10:34

Operator : hl

Inst ID: Mork.i

Smp Info : wg429160-1,32,8270tcl,hl

Misc Info : wg429559,wg429160,ICAL5275

Comment : Splitless Injection - Aug 24th 2009 edits.

Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825a.b\mcp30s2.m

Meth Date : 26-Aug-2010 15:29 Mork.i

Quant Type: ISTD

Cal Date : 21-AUG-2010 17:49

Cal File: siml9.D

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: 8270tcl.sub

Target Version: 4.12

Processing Host: ABN-3

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						CONCENTRATIONS				
		QUANT	SIG					ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE	
=====		=====	=====	=====	=====	=====	=====	=====	=====	
\$	1 2-Fluorophenol	112	3.854	3.853	(0.766)	590391	21.3859	21.4		
\$	2 Phenol-d6	99	4.735	4.734	(0.942)	342632	12.4793	12.5		
*	3 1,4-Dichlorobenzene-d4	152	5.029	5.028	(1.000)	97573	4.00000			
	4 Hexachloroethane	117	Compound Not Detected.							
\$	5 Nitrobenzene-d5	82	5.546	5.559	(1.103)	477880	16.5985	16.6		
*	6 Naphthalene-d8	136	6.231	6.230	(1.000)	262705	4.00000			
	7 Naphthalene	128	Compound Not Detected.							
	8 Hexachlorobutadiene	225	Compound Not Detected.							
	9 2-Methylnaphthalene	142	Compound Not Detected.							
	10 1-Methylnaphthalene	142	Compound Not Detected.							
\$	11 2-Fluorobiphenyl	172	7.293	7.294	(1.171)	991819	18.3246	18.3		
	12 2-Chloronaphthalene	162	Compound Not Detected.							
	13 Acenaphthylene	152	Compound Not Detected.							
*	14 Acenaphthene-d10	164	7.937	7.938	(1.000)	166606	4.00000			
	15 Acenaphthene	153	Compound Not Detected.							
	16 Fluorene	166	Compound Not Detected.							
\$	17 2,4,6-Tribromophenol	330	8.731	8.730	(1.100)	432970	42.7343	42.7		
	18 Hexachlorobenzene	284	Compound Not Detected.							
	19 Pentachlorophenol	266	Compound Not Detected.							
*	20 Phenanthrene-d10	188	9.397	9.396	(1.000)	296897	4.00000			
	21 Phenanthrene	178	Compound Not Detected.							
	22 Anthracene	178	Compound Not Detected.							
	24 Fluoranthene	202	Compound Not Detected.							
	25 Pyrene	202	Compound Not Detected.							
\$	26 4-Terphenyl-d14	244	11.059	11.058	(1.177)	985324	23.5487	23.5		
	27 Benzo(a)anthracene	228	Compound Not Detected.							
*	28 Chrysene-d12	240	12.612	12.602	(1.000)	276100	4.00000			
	29 Chrysene	228	Compound Not Detected.							

Compounds	QUANT SIG						CONCENTRATIONS		REVIEW CODE
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng)	FINAL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
30 Benzo(b)fluoranthene	252	Compound Not Detected.							
31 Benzo(k)fluoranthene	252	Compound Not Detected.							
33 Benzo(a)pyrene	252	Compound Not Detected.							
* 34 Perylene-d12	264	15.653	15.642	(1.000)		265734	4.00000		
36 Indeno(1,2,3-cd)pyrene	276	Compound Not Detected.							
37 Dibenzo(a,h)anthracene	278	Compound Not Detected.							
38 Benzo(ghi)perylene	276	Compound Not Detected.							

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Mork.i
Lab File ID: 429160-1.D
Lab Smp Id:
Analysis Type: SV
Quant Type: ISTD
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825a.b\mcp30s2.m
Misc Info: wg429559,wg429160,ICAL5275

Calibration Date: 25-AUG-2010
Calibration Time: 09:50
Level: LOW
Sample Type: SOIL

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	141311	70656	282622	97573	-30.95
6 Naphthalene-d8	425551	212776	851102	262705	-38.27
14 Acenaphthene-d10	210350	105175	420700	166606	-20.80
20 Phenanthrene-d10	399896	199948	799792	296897	-25.76
28 Chrysene-d12	388130	194065	776260	276100	-28.86
34 Perylene-d12	370286	185143	740572	265734	-28.24

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	0.02
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.01
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	-0.01
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.01
28 Chrysene-d12	12.60	12.10	13.10	12.61	0.08
34 Perylene-d12	15.64	15.14	16.14	15.65	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa01132
 Sample Matrix: SOLID Fraction: SV
 Lab Smp Id:
 Level: LOW Operator: hl
 Data Type: MS DATA SampleType: SAMPLE
 SpikeList File: 8270tclspk10.spk Quant Type: ISTD
 Sublist File: 8270tcl.sub
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825a.b\mcp30s2.m
 Misc Info: wg429559,wg429160,ICAL5275

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2-Fluorophenol	50.0	21.4	42.77	25-120
\$ 2 Phenol-d6	50.0	12.5	24.96	10-120
\$ 5 Nitrobenzene-d5	25.0	16.6	66.39	23-120
\$ 11 2-Fluorobiphenyl	25.0	18.3	73.30	30-120
\$ 17 2,4,6-Tribromophen	50.0	42.7	85.47	19-120
\$ 26 4-Terphenyl-d14	25.0	23.5	94.19	18-120

Data File: \\Drger\1\dd\Chem\GCHSEXT\Hork,i\100825a,b\429160-1.D

Date : 25-AUG-2010 10:34

Client ID:

Sample Info: wg429160-1,32,8270bcl,h1

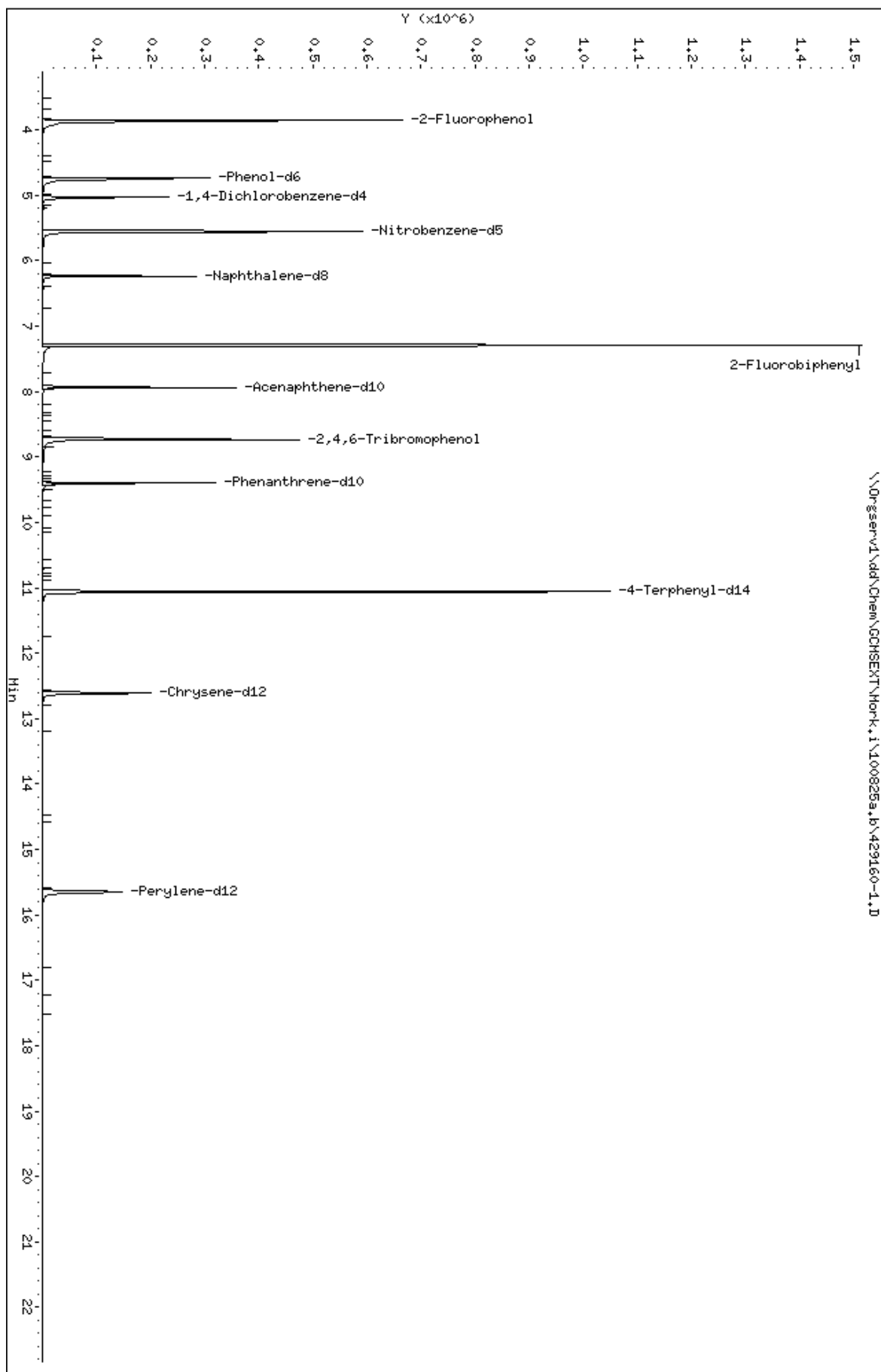
Column phase: RTX-5

Instrument: Hork,i

Operator: h1

Column diameter: 0.32

Page 5



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825p.b\429160-2.D

Lab Smp Id:

Inj Date : 25-AUG-2010 11:04

Operator : hl

Inst ID: Mork.i

Smp Info : wg429160-2p,32,8270tcl,hl

Misc Info : wg429559,wg429160,ICAL5275

Comment : Splitless Injection - Aug 24th 2009 edits.

Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825p.b\mcp30s2.m

Meth Date : 26-Aug-2010 15:35 jclements Quant Type: ISTD

Cal Date : 21-AUG-2010 17:49 Cal File: siml9.D

Als bottle: 2

QC Sample: LCS

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: 8270tclspk.sub

Target Version: 4.12

Processing Host: ABN-3

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

						CONCENTRATIONS				
		QUANT	SIG					ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE	
=====		=====	=====	=====	=====	=====	=====	=====	=====	
\$	1 2-Fluorophenol	112	3.868	3.853	(0.769)	488716	13.3612	13.4		
\$	2 Phenol-d6	99	4.735	4.734	(0.942)	376998	10.3634	10.4		
*	3 1,4-Dichlorobenzene-d4	152	5.029	5.028	(1.000)	129279	4.00000			
\$	5 Nitrobenzene-d5	82	5.560	5.559	(1.106)	504451	13.2242	13.2		
*	6 Naphthalene-d8	136	6.231	6.230	(1.000)	343192	4.00000			
\$	11 2-Fluorobiphenyl	172	7.293	7.294	(1.171)	1181574	16.7107	16.7		
	12 2-Chloronaphthalene	162	7.391	7.392	(1.186)	842420	13.5830	13.6		
*	14 Acenaphthene-d10	164	7.937	7.938	(1.000)	205165	4.00000			
	15 Acenaphthene	153	7.965	7.966	(1.004)	425304	7.12269	7.12		
\$	17 2,4,6-Tribromophenol	330	8.731	8.730	(1.100)	535029	42.8828	42.9		
	19 Pentachlorophenol	266	9.246	9.245	(0.984)	119375	8.05526	8.06		
*	20 Phenanthrene-d10	188	9.397	9.396	(1.000)	386709	4.00000			
	22 Anthracene	178	9.473	9.472	(1.008)	908993	8.11431	8.11		
	24 Fluoranthene	202	10.592	10.591	(1.127)	1005501	9.40030	9.40		
	25 Pyrene	202	10.837	10.837	(1.153)	1048593	9.06030	9.06		
\$	26 4-Terphenyl-d14	244	11.058	11.058	(1.177)	1233933	22.6413	22.6		
*	28 Chrysene-d12	240	12.611	12.602	(1.000)	356041	4.00000			
*	34 Perylene-d12	264	15.641	15.642	(1.000)	351795	4.00000			

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 25-AUG-2010
 Lab File ID: 429160-2.D Calibration Time: 09:50
 Lab Smp Id:
 Analysis Type: SV Level: LOW
 Quant Type: ISTD Sample Type: SOIL
 Operator: hl
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825p.b\mcp30s2.m
 Misc Info: wg429559,wg429160,ICAL5275

Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	141311	70656	282622	129279	-8.51
6 Naphthalene-d8	367711	183856	735422	343192	-6.67
14 Acenaphthene-d10	210350	105175	420700	205165	-2.46
20 Phenanthrene-d10	399896	199948	799792	386709	-3.30
28 Chrysene-d12	388130	194065	776260	356041	-8.27
34 Perylene-d12	370286	185143	740572	351795	-4.99

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	0.02
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.01
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	-0.01
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.01
28 Chrysene-d12	12.60	12.10	13.10	12.61	0.08
34 Perylene-d12	15.64	15.14	16.14	15.64	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

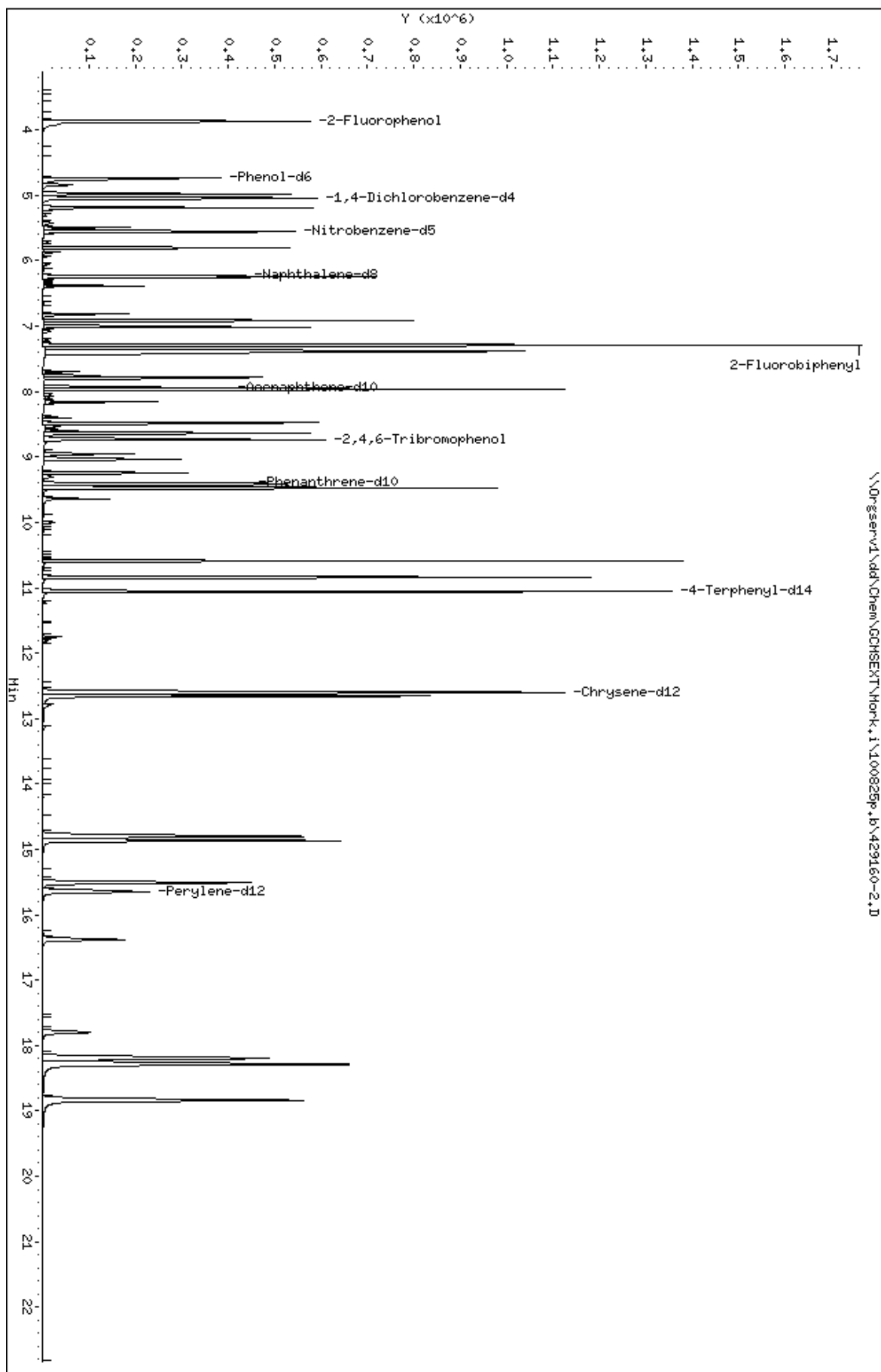
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa01132
 Sample Matrix: SOLID Fraction: SV
 Lab Smp Id:
 Level: LOW Operator: hl
 Data Type: MS DATA SampleType: LCS
 SpikeList File: 8270tclspk10.spk Quant Type: ISTD
 Sublist File: 8270tclspk.sub
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825p.b\mcp30s2.m
 Misc Info: wg429559,wg429160,ICAL5275

SPIKE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
15 Acenaphthene	10.0	7.12	71.23	37-111
19 Pentachlorophenol	10.0	8.06	80.55	9-103
25 Pyrene	10.0	9.06	90.60	26-127
12 2-Chloronaphthalen	10.0	13.6	135.83	40-140
24 Fluoranthene	10.0	9.40	94.00	40-140
22 Anthracene	10.0	8.11	81.14	40-140

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2-Fluorophenol	50.0	13.4	26.72	25-120
\$ 2 Phenol-d6	50.0	10.4	20.73	10-120
\$ 5 Nitrobenzene-d5	25.0	13.2	52.90	23-120
\$ 11 2-Fluorobiphenyl	25.0	16.7	66.84	30-120
\$ 17 2,4,6-Tribromophen	50.0	42.9	85.77	19-120
\$ 26 4-Terphenyl-d14	25.0	22.6	90.57	18-120



Date : 25-AUG-2010 11:04

Client ID:

Instrument: Mork.i

Sample Info: wg429160-2p,32,8270tol,h1

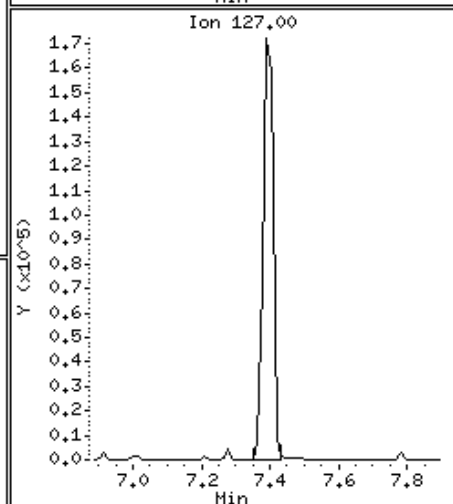
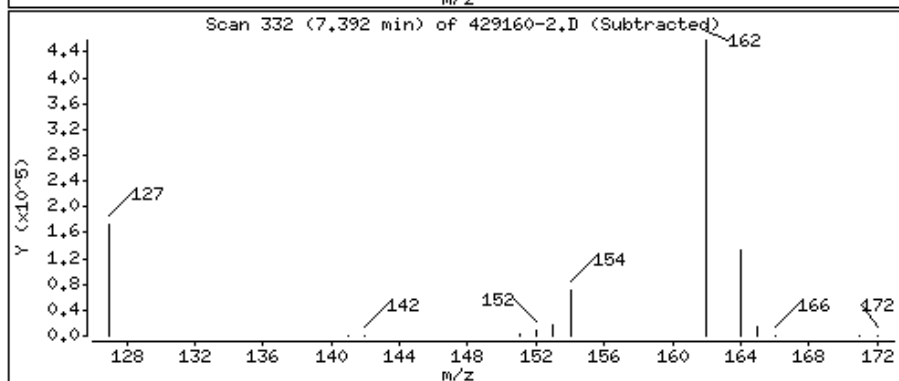
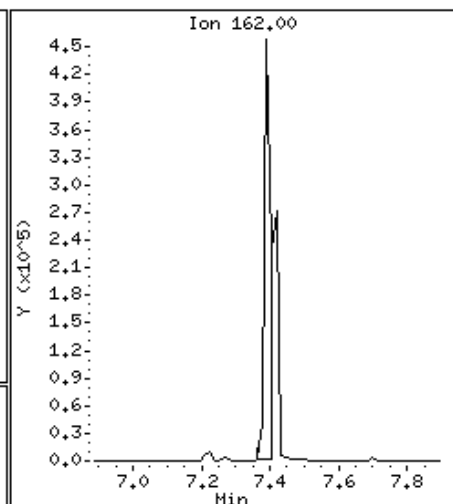
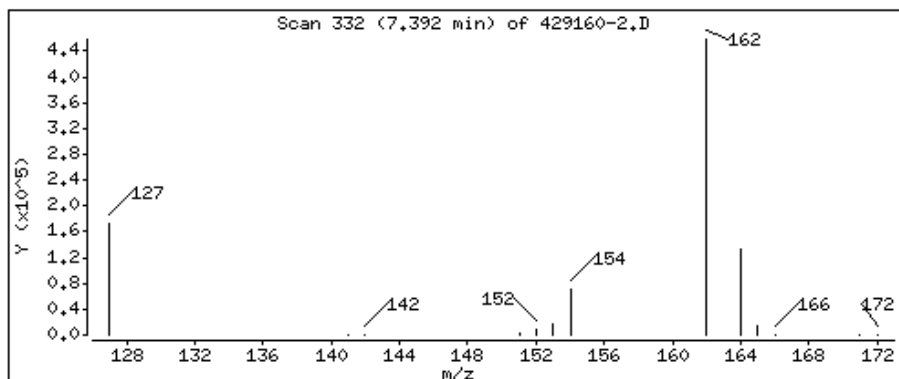
Operator: hl

Column phase: RTX-5

Column diameter: 0.32

12 2-Chloronaphthalene

Concentration: 9.82 ng



Date : 25-AUG-2010 11:04

Client ID:

Instrument: Mork,i

Sample Info: wg429160-2p,32,8270tcl,h1

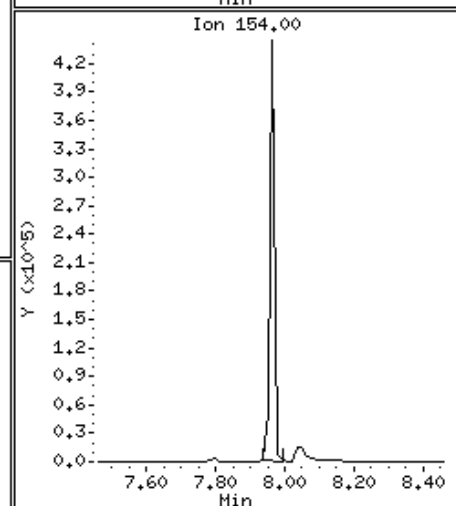
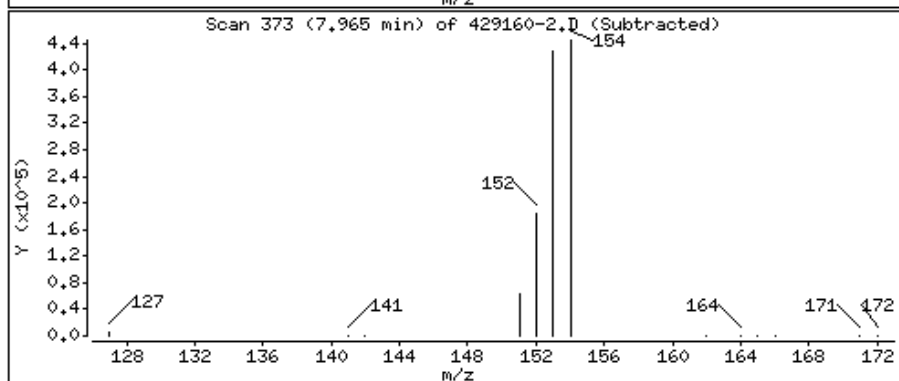
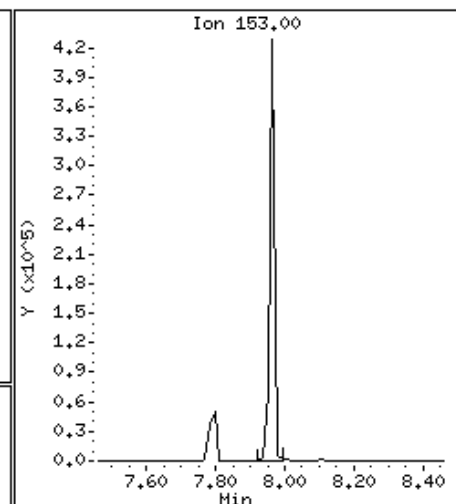
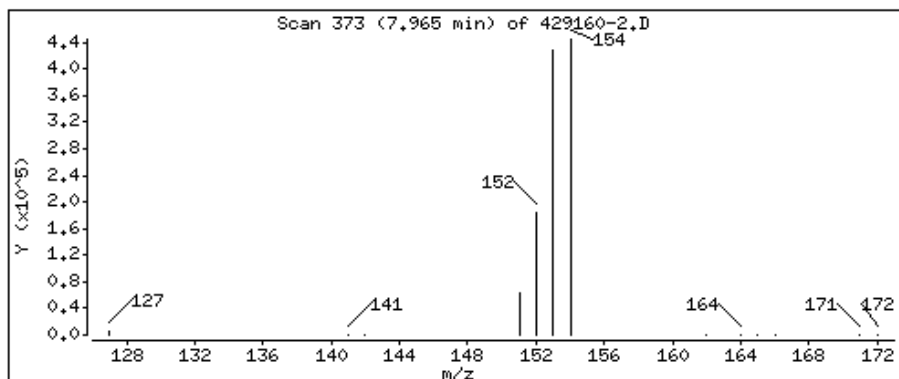
Operator: hl

Column phase: RTX-5

Column diameter: 0.32

15 Acenaphthene

Concentration: 7.12 ng



Date : 25-AUG-2010 11:04

Client ID:

Instrument: Mork.i

Sample Info: wg429160-2p,32,8270tcl,h1

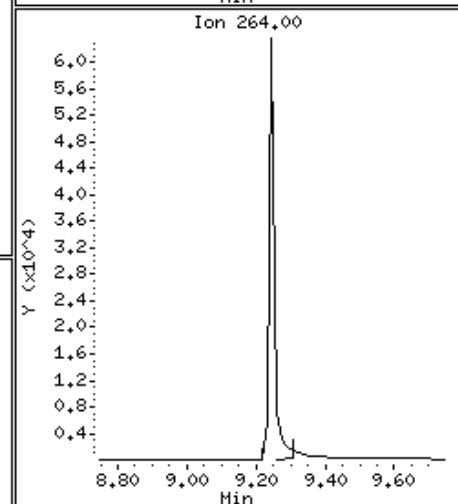
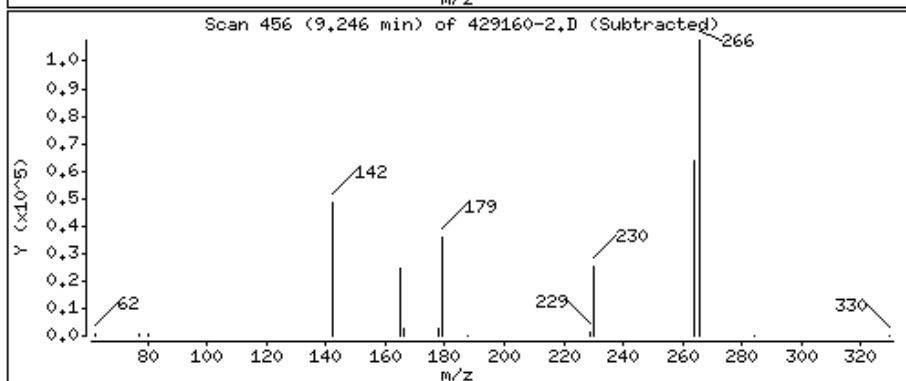
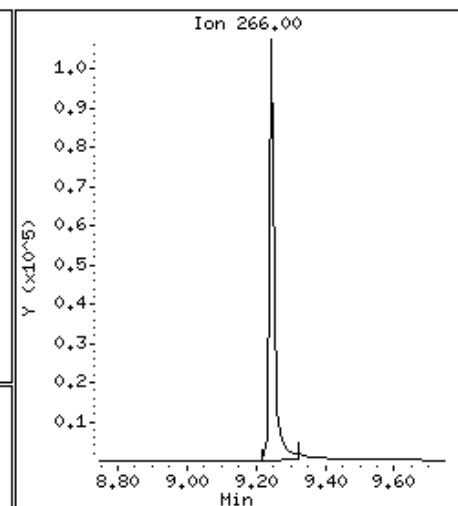
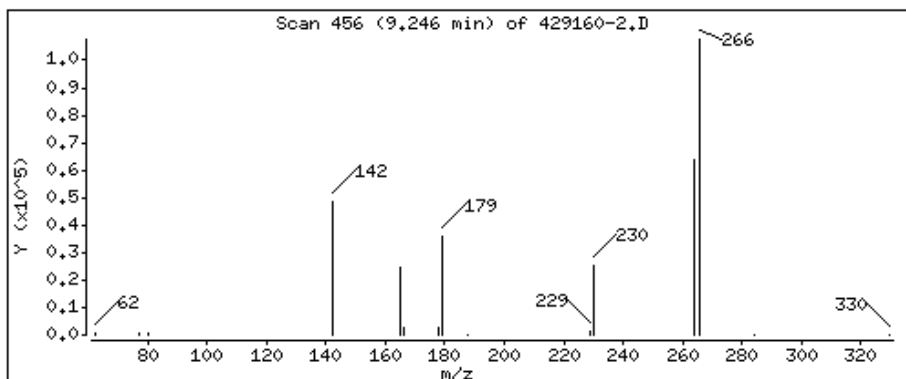
Operator: hl

Column phase: RTX-5

Column diameter: 0.32

19 Pentachlorophenol

Concentration: 8.37 ng



Date : 25-AUG-2010 11:04

Client ID:

Instrument: Mork,i

Sample Info: wg429160-2p,32,8270tcl,h1

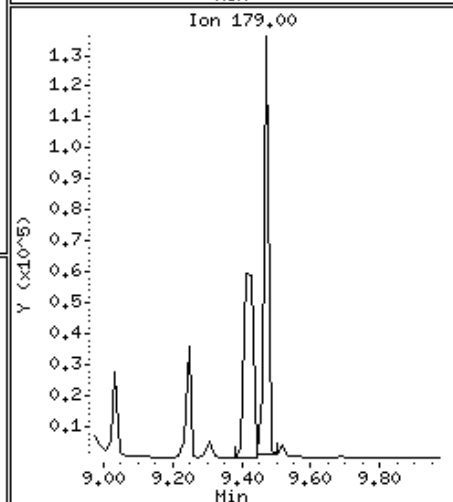
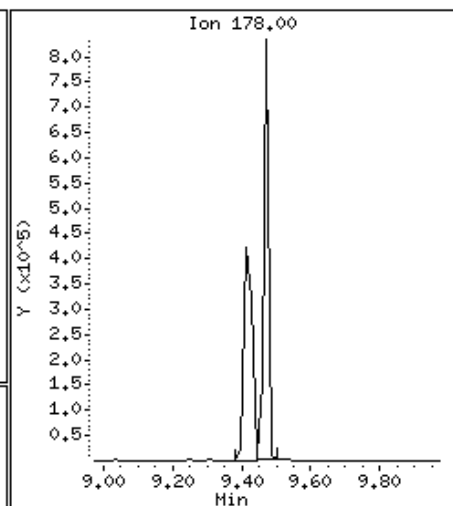
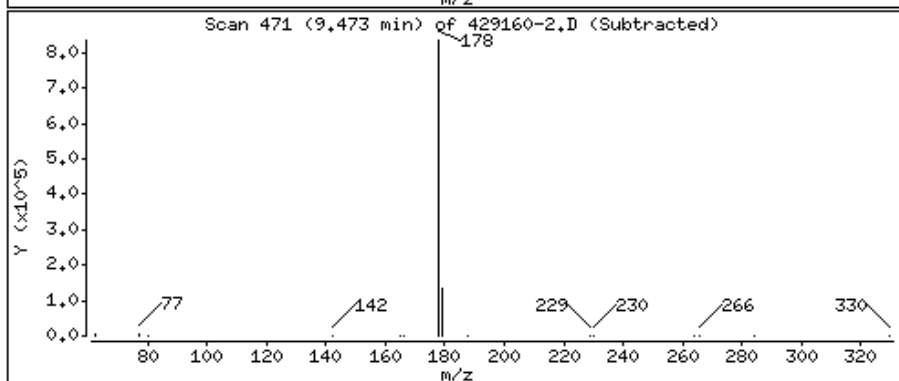
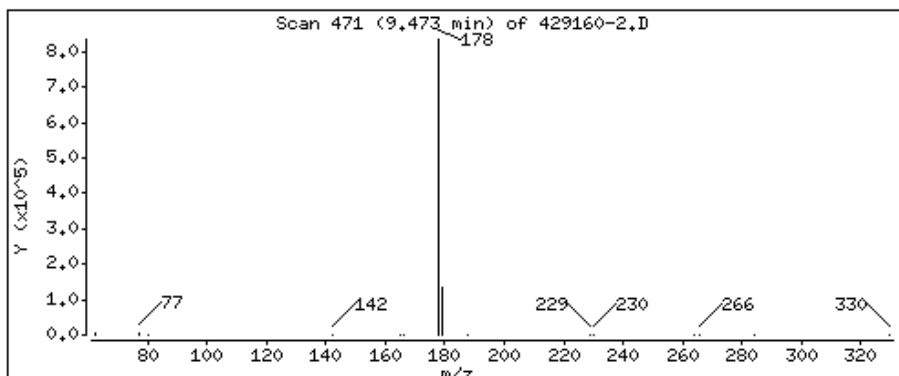
Operator: hl

Column phase: RTX-5

Column diameter: 0.32

22 Anthracene

Concentration: 8.11 ng



Date : 25-AUG-2010 11:04

Client ID:

Instrument: Mork.i

Sample Info: wg429160-2p,32,8270tcl,h1

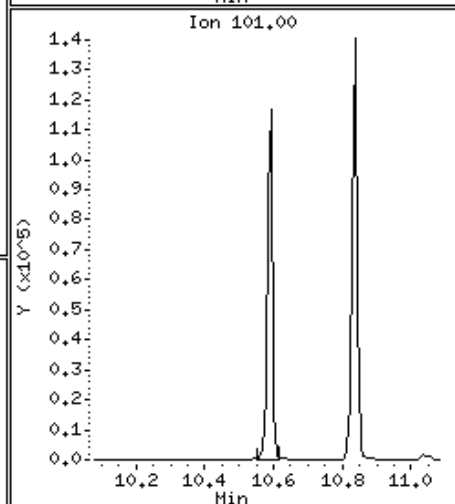
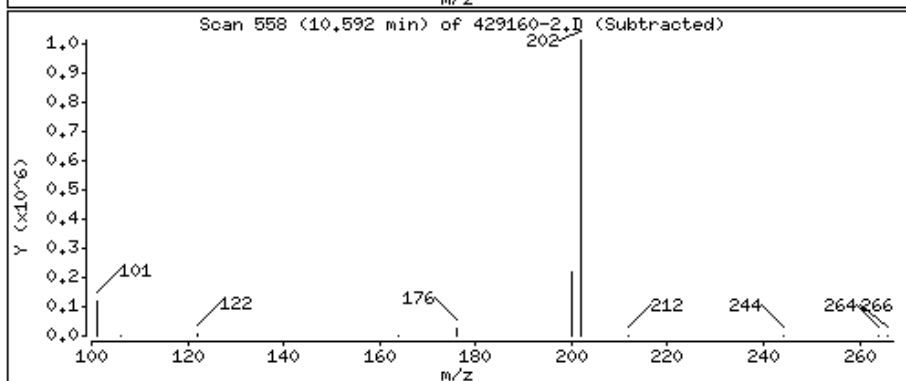
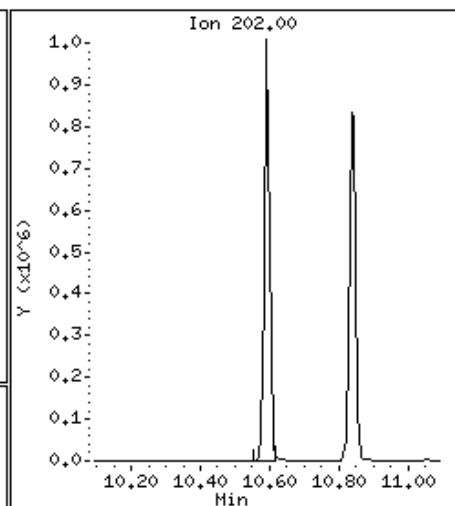
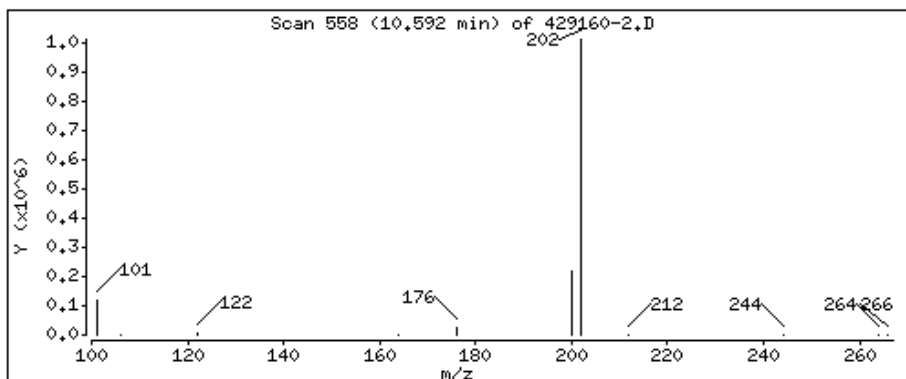
Operator: hl

Column phase: RTX-5

Column diameter: 0.32

24 Fluoranthene

Concentration: 9.40 ng



Date : 25-AUG-2010 11:04

Client ID:

Instrument: Mork.i

Sample Info: wg429160-2p,32,8270tcl,h1

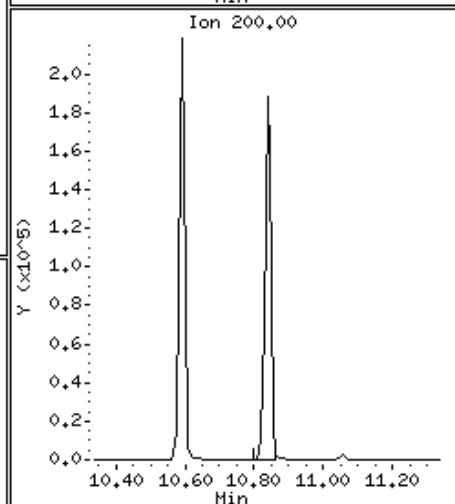
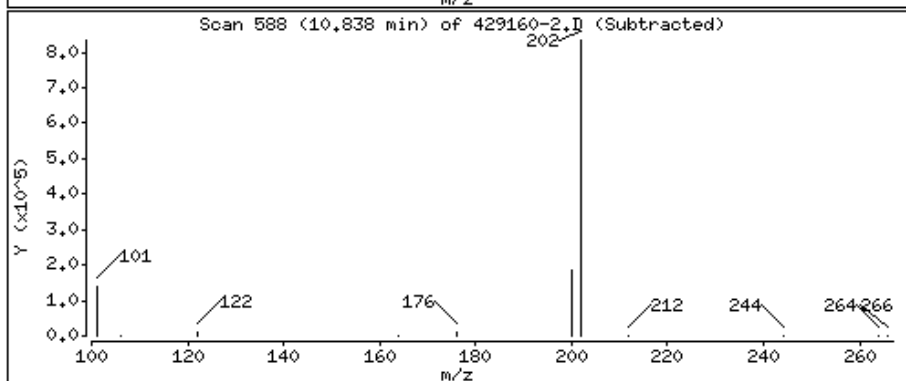
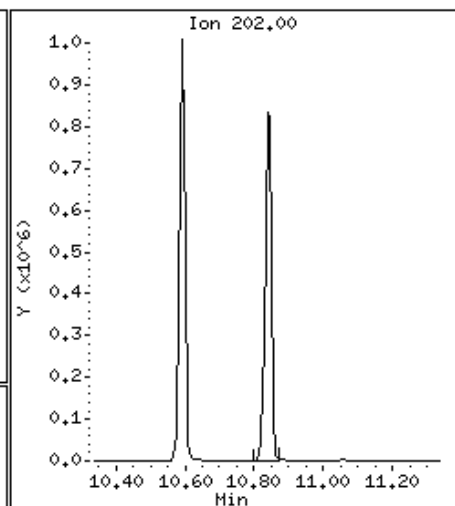
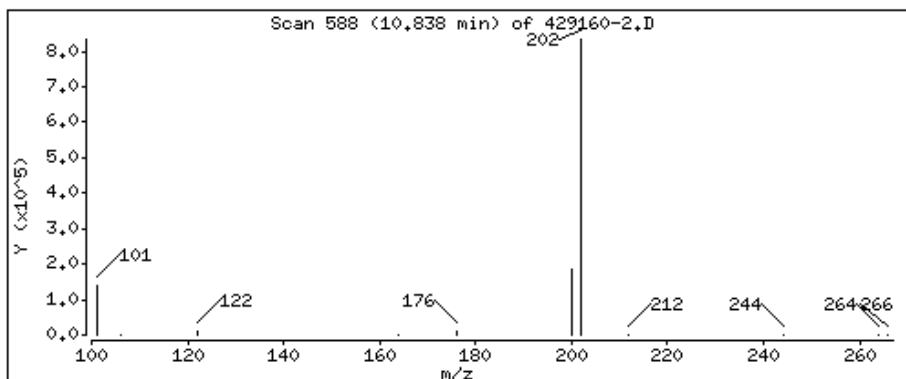
Operator: hl

Column phase: RTX-5

Column diameter: 0.32

25 Pyrene

Concentration: 9.06 ng



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825a.b\429160-2.D
Lab Smp Id:
Inj Date : 25-AUG-2010 11:04
Operator : hl Inst ID: Mork.i
Smp Info : wg429160-2,32,8270tcl,hl
Misc Info : wg429559,wg429160,ICAL5275
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825a.b\mcp30s2.m
Meth Date : 26-Aug-2010 15:29 Mork.i Quant Type: ISTD
Cal Date : 21-AUG-2010 17:49 Cal File: siml9.D
Als bottle: 2 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270tclspk.sub
Target Version: 4.12
Processing Host: ABN-3

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						CONCENTRATIONS		
QUANT SIG						ON-COLUMN	FINAL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112	3.868	3.853	(0.769)	534917	14.6243	14.6(M)	M1
\$ 2 Phenol-d6	99	4.735	4.734	(0.942)	376998	10.3634	10.4	
* 3 1,4-Dichlorobenzene-d4	152	5.029	5.028	(1.000)	129279	4.00000		
\$ 5 Nitrobenzene-d5	82	5.560	5.559	(1.106)	504451	13.2242	13.2	
* 6 Naphthalene-d8	136	6.231	6.230	(1.000)	343192	4.00000		
\$ 11 2-Fluorobiphenyl	172	7.293	7.294	(1.171)	1181574	16.7107	16.7	
12 2-Chloronaphthalene	162	7.391	7.392	(1.186)	609214	9.82283	9.82(M)	M1
* 14 Acenaphthene-d10	164	7.937	7.938	(1.000)	205165	4.00000		
15 Acenaphthene	153	7.965	7.966	(1.004)	425304	7.12269	7.12	
\$ 17 2,4,6-Tribromophenol	330	8.731	8.730	(1.100)	535029	42.8828	42.9	
19 Pentachlorophenol	266	9.246	9.245	(0.984)	124264	8.37230	8.37(M)	M1
* 20 Phenanthrene-d10	188	9.397	9.396	(1.000)	386709	4.00000		
22 Anthracene	178	9.473	9.472	(1.008)	908993	8.11431	8.11	
24 Fluoranthene	202	10.592	10.591	(1.127)	1005501	9.40030	9.40	
25 Pyrene	202	10.837	10.837	(1.153)	1048593	9.06030	9.06	
\$ 26 4-Terphenyl-d14	244	11.058	11.058	(1.177)	1233933	22.6413	22.6	
* 28 Chrysene-d12	240	12.611	12.602	(1.000)	356040	4.00000		
* 34 Perylene-d12	264	15.641	15.642	(1.000)	351795	4.00000		

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 25-AUG-2010
 Lab File ID: 429160-2.D Calibration Time: 09:50
 Lab Smp Id:
 Analysis Type: SV Level: LOW
 Quant Type: ISTD Sample Type: SOIL
 Operator: hl
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825a.b\mcp30s2.m
 Misc Info: wg429559,wg429160,ICAL5275

Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	141311	70656	282622	129279	-8.51
6 Naphthalene-d8	425551	212776	851102	343192	-19.35
14 Acenaphthene-d10	210350	105175	420700	205165	-2.46
20 Phenanthrene-d10	399896	199948	799792	386709	-3.30
28 Chrysene-d12	388130	194065	776260	356040	-8.27
34 Perylene-d12	370286	185143	740572	351795	-4.99

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	0.02
6 Naphthalene-d8	6.23	5.73	6.73	6.23	0.01
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	-0.01
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.01
28 Chrysene-d12	12.60	12.10	13.10	12.61	0.08
34 Perylene-d12	15.64	15.14	16.14	15.64	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa01132
 Sample Matrix: SOLID Fraction: SV
 Lab Smp Id:
 Level: LOW Operator: hl
 Data Type: MS DATA SampleType: LCS
 SpikeList File: 8270tclspk10.spk Quant Type: ISTD
 Sublist File: 8270tclspk.sub
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825a.b\mcp30s2.m
 Misc Info: wg429559,wg429160,ICAL5275

SPIKE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
15 Acenaphthene	10.0	7.12	71.23	37-111
19 Pentachlorophenol	10.0	8.37	83.72	9-103
25 Pyrene	10.0	9.06	90.60	26-127
12 2-Chloronaphthalen	10.0	9.82	98.23	40-140
24 Fluoranthene	10.0	9.40	94.00	40-140
22 Anthracene	10.0	8.11	81.14	40-140

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2-Fluorophenol	50.0	14.6	29.25	25-120
\$ 2 Phenol-d6	50.0	10.4	20.73	10-120
\$ 5 Nitrobenzene-d5	25.0	13.2	52.90	23-120
\$ 11 2-Fluorobiphenyl	25.0	16.7	66.84	30-120
\$ 17 2,4,6-Tribromophen	50.0	42.9	85.77	19-120
\$ 26 4-Terphenyl-d14	25.0	22.6	90.57	18-120

Data File: \\Drger\1\dd\Chem\GCHEXT\Hork,i\100825a,b\429160-2.D

Date : 25-AUG-2010 11:04

Client ID:

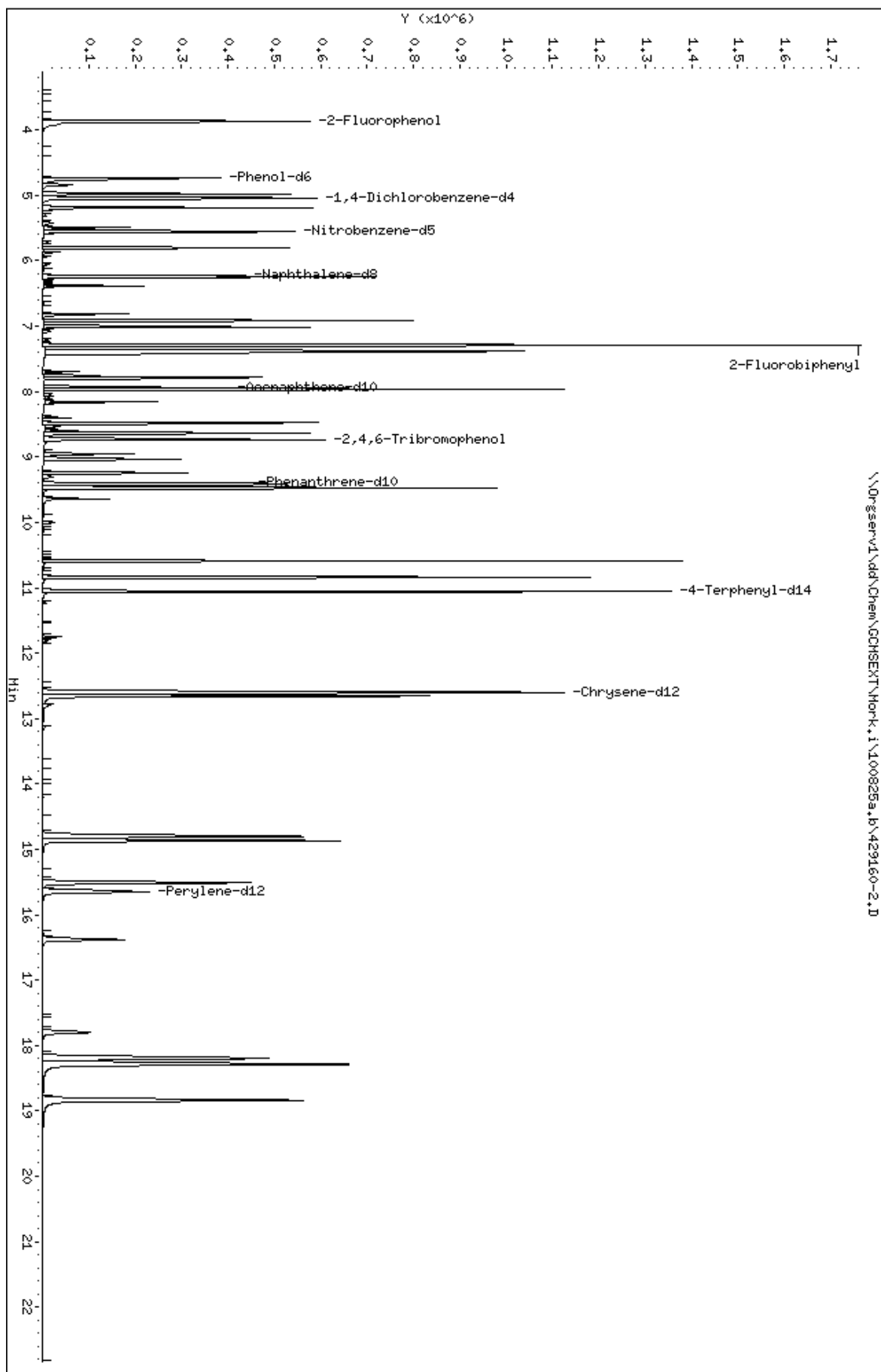
Sample Info: wg429160-2,32,8270b1,h1

Column phase: RTX-5

Instrument: Hork,i

Operator: h1

Column diameter: 0.32



Date : 25-AUG-2010 11:04

Client ID:

Instrument: Mork,i

Sample Info: wg429160-2,32,8270tol,h1

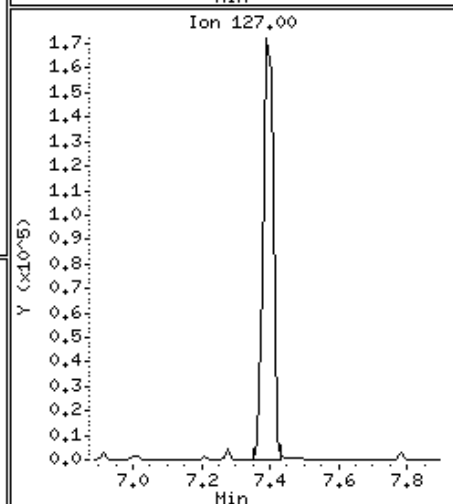
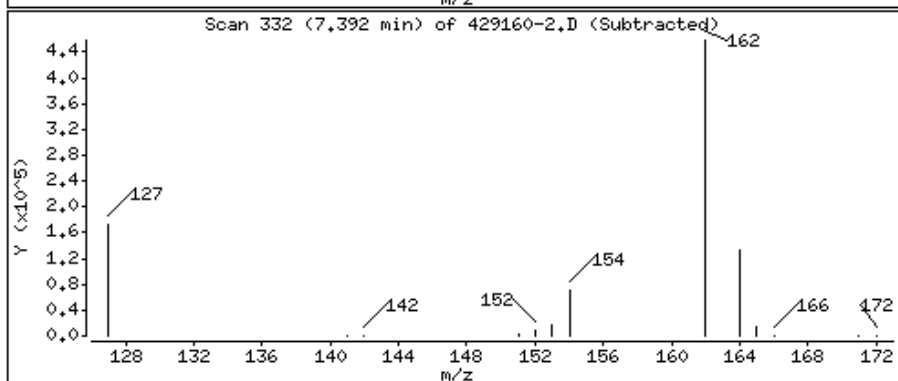
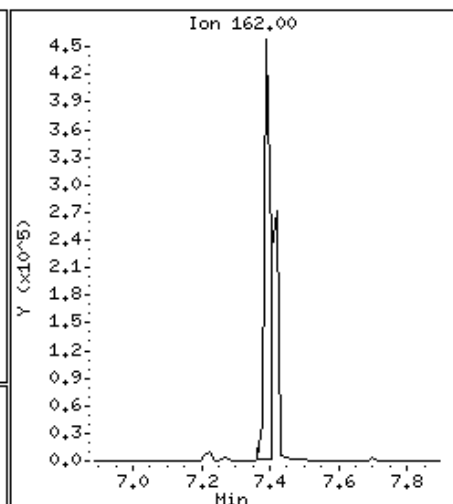
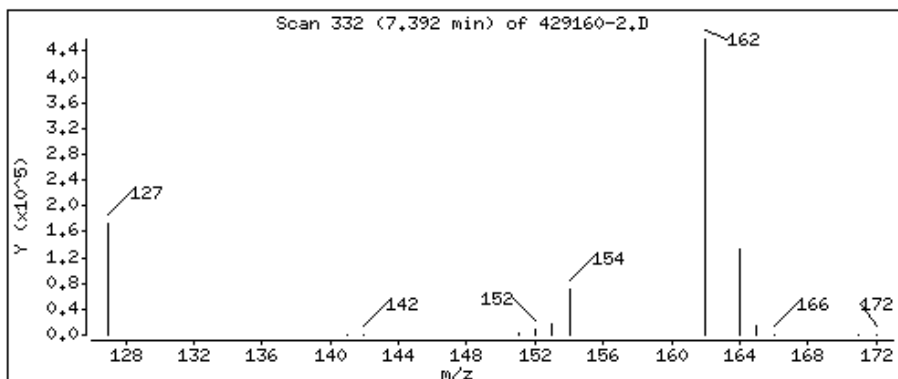
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

12 2-Chloronaphthalene

Concentration: 9.82 ng



Date : 25-AUG-2010 11:04

Client ID:

Instrument: Mork,i

Sample Info: wg429160-2,32,8270tol,h1

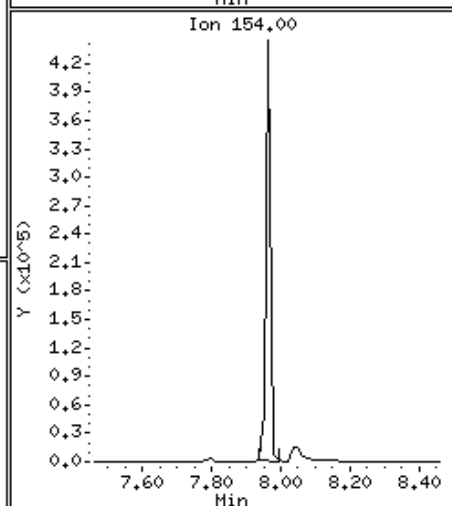
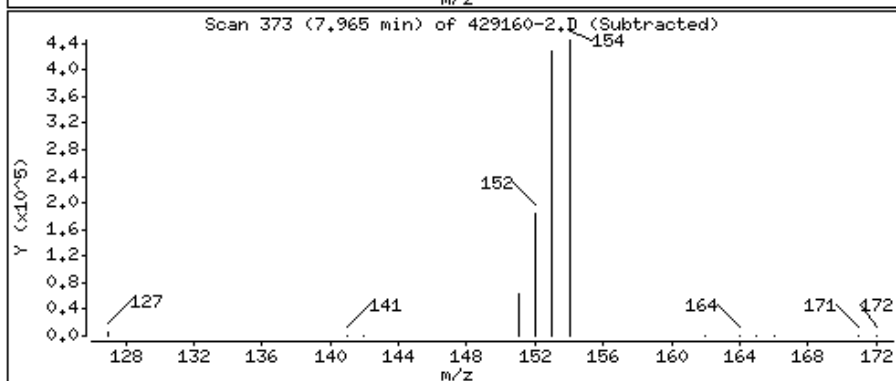
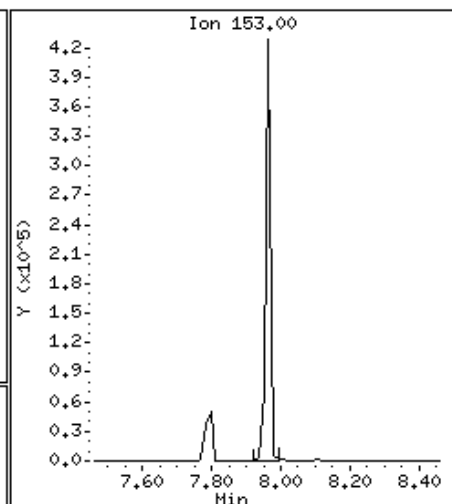
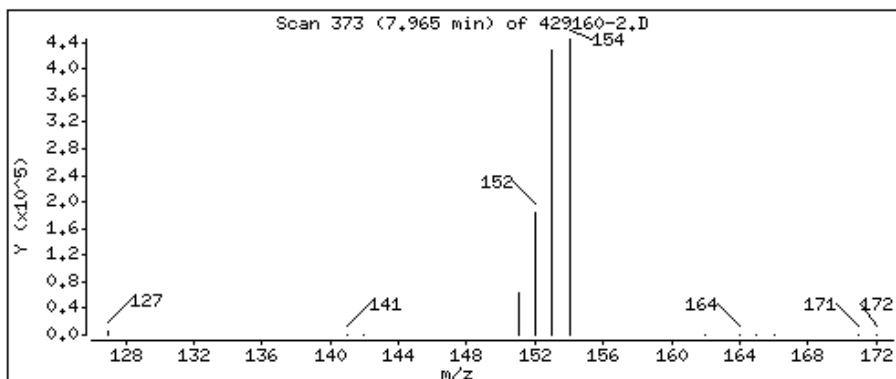
Operator: hl

Column phase: RTX-5

Column diameter: 0.32

15 Acenaphthene

Concentration: 7.12 ng



Date : 25-AUG-2010 11:04

Client ID:

Instrument: Mork,i

Sample Info: wg429160-2,32,8270tol,h1

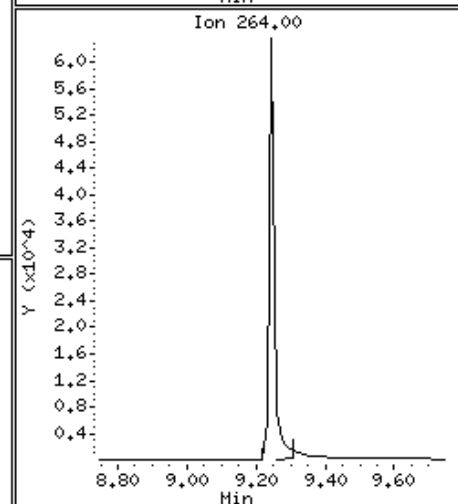
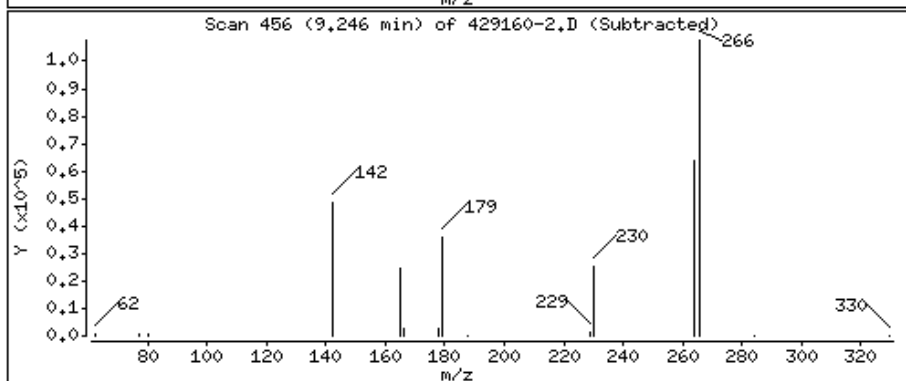
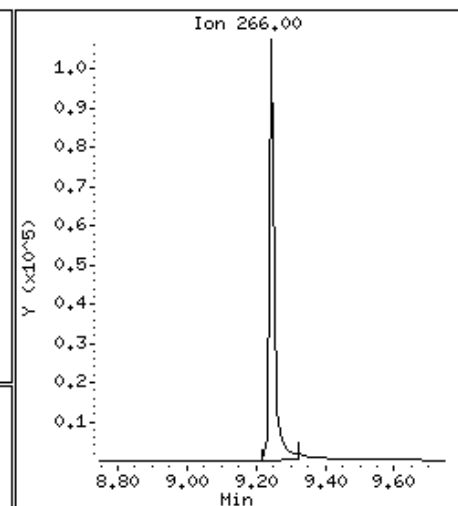
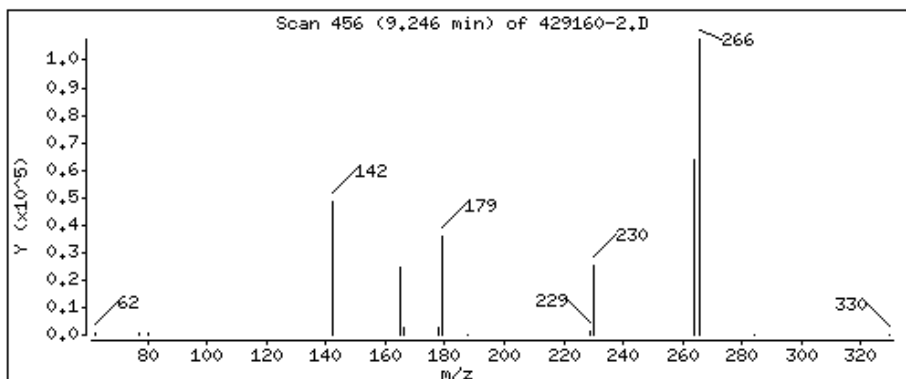
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

19 Pentachlorophenol

Concentration: 8.37 ng



Date : 25-AUG-2010 11:04

Client ID:

Instrument: Mork,i

Sample Info: wg429160-2,32,8270tol,h1

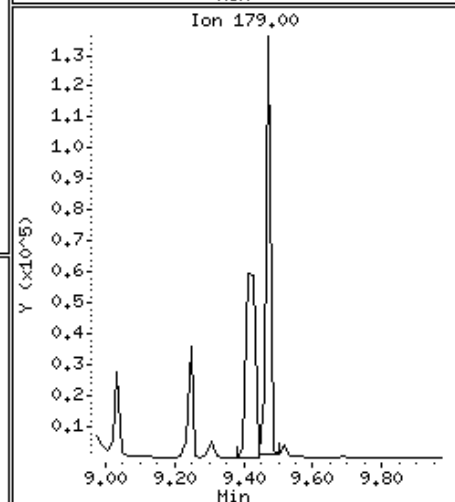
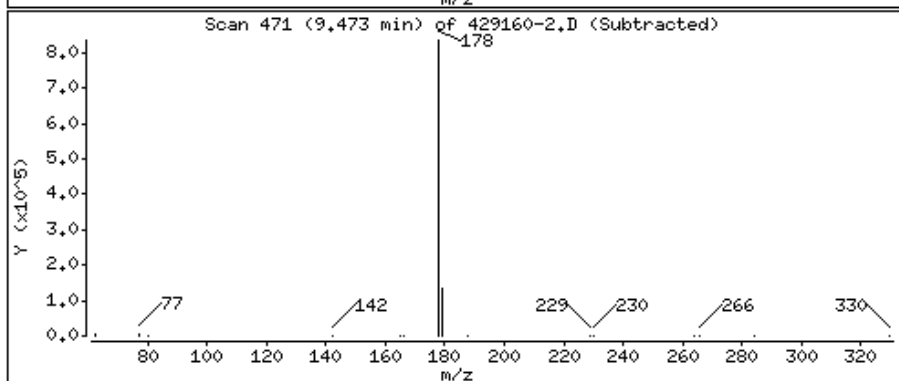
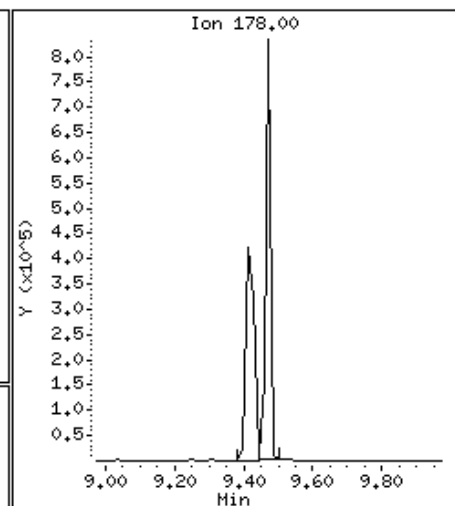
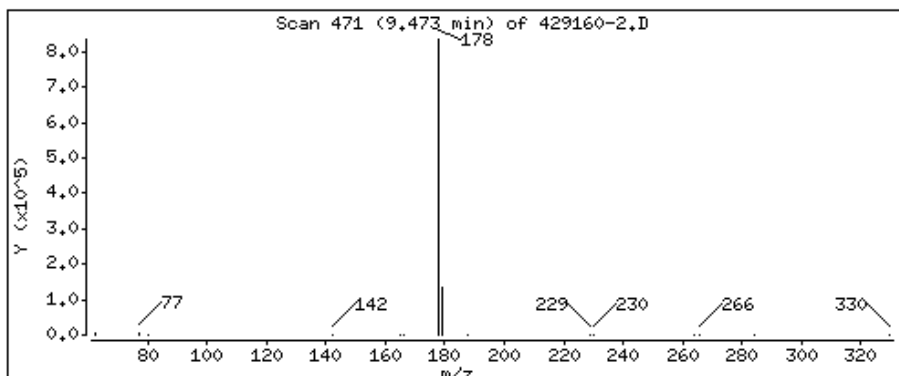
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

22 Anthracene

Concentration: 8.11 ng



Date : 25-AUG-2010 11:04

Client ID:

Instrument: Mork,i

Sample Info: wg429160-2,32,8270tol,h1

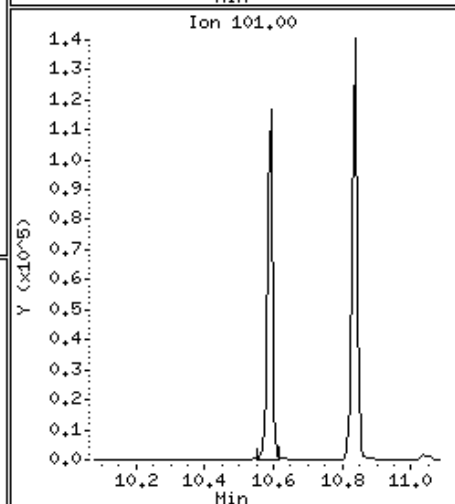
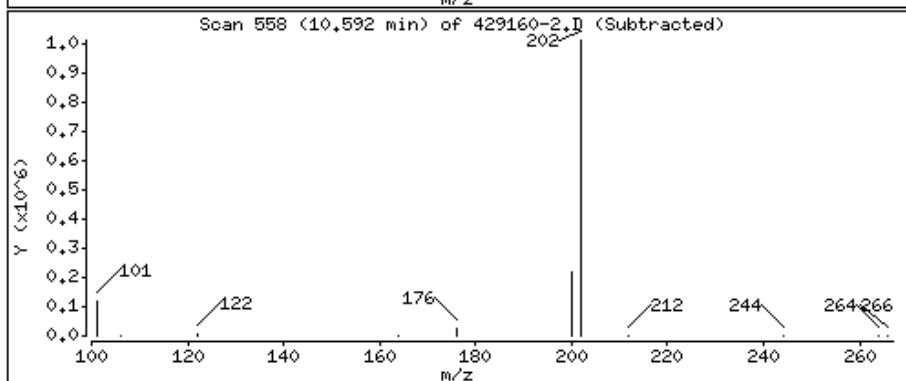
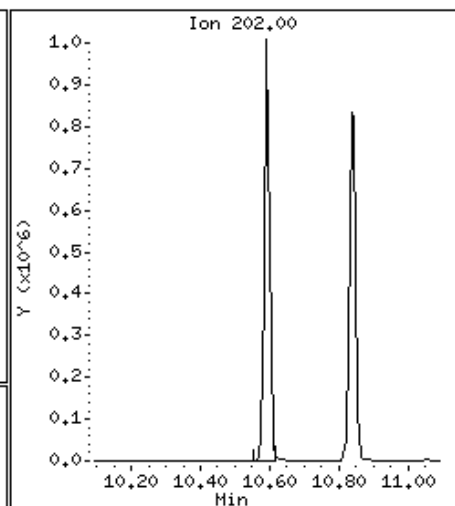
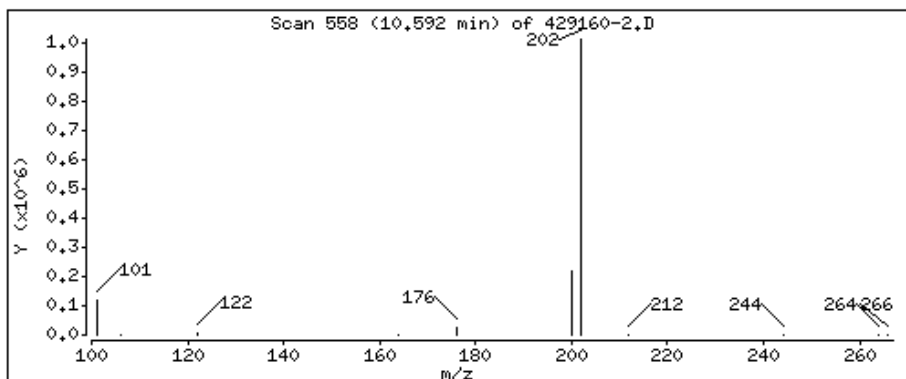
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

24 Fluoranthene

Concentration: 9.40 ng



Date : 25-AUG-2010 11:04

Client ID:

Instrument: Mork.i

Sample Info: wg429160-2,32,8270tol,h1

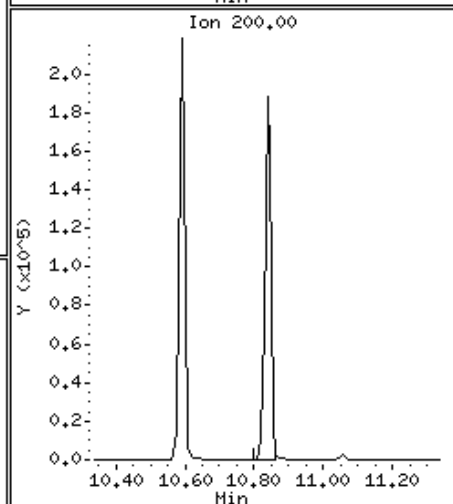
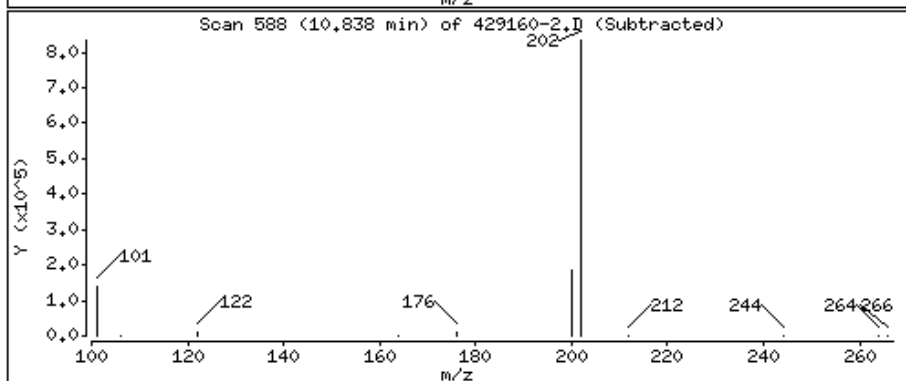
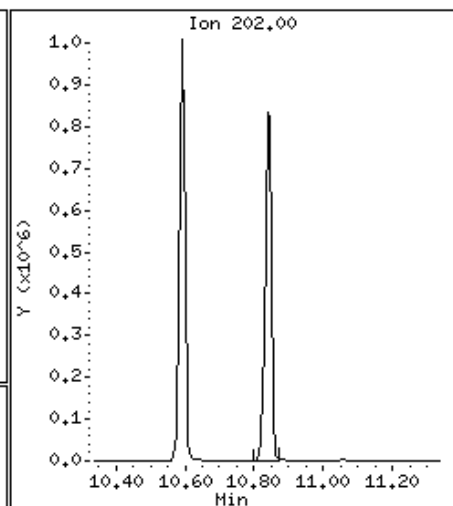
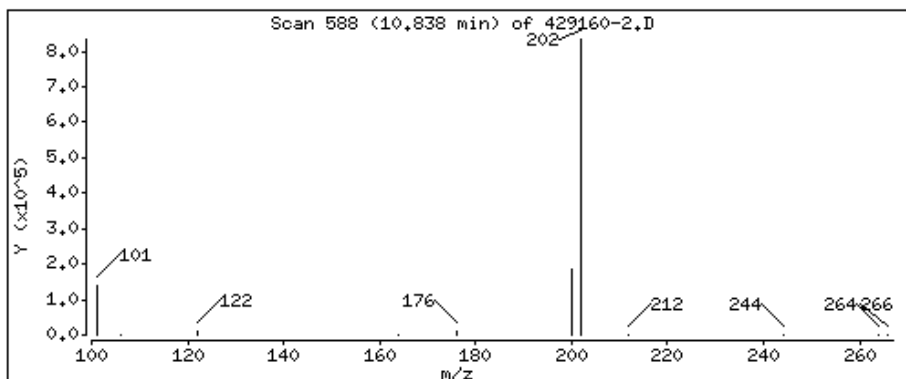
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

25 Pyrene

Concentration: 9.06 ng



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825p.b\429160-3.D
Lab Smp Id:
Inj Date : 25-AUG-2010 11:33
Operator : hl Inst ID: Mork.i
Smp Info : wg429160-3p,32,8270tcl,hl
Misc Info : wg429559,wg429160,ICAL5275
Comment : Splitless Injection - Aug 24th 2009 edits.
Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825p.b\mcp30s2.m
Meth Date : 26-Aug-2010 15:35 jclements Quant Type: ISTD
Cal Date : 21-AUG-2010 17:49 Cal File: siml9.D
Als bottle: 3 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270tclspk.sub
Target Version: 4.12
Processing Host: ABN-3

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						CONCENTRATIONS		
QUANT SIG						ON-COLUMN	FINAL	
Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2-Fluorophenol	112	3.868	3.853	(0.769)	462910	12.8077	12.8	
\$ 2 Phenol-d6	99	4.749	4.734	(0.944)	294116	8.18213	8.18	
* 3 1,4-Dichlorobenzene-d4	152	5.029	5.028	(1.000)	127745	4.00000		
\$ 5 Nitrobenzene-d5	82	5.561	5.559	(1.106)	382270	10.1416	10.1	
* 6 Naphthalene-d8	136	6.230	6.230	(1.000)	332111	4.00000		
\$ 11 2-Fluorobiphenyl	172	7.294	7.294	(1.171)	1009850	14.7586	14.8	
12 2-Chloronaphthalene	162	7.392	7.392	(1.186)	704134	11.7321	11.7	
* 14 Acenaphthene-d10	164	7.937	7.938	(1.000)	198154	4.00000		
15 Acenaphthene	153	7.965	7.966	(1.004)	317447	5.50448	5.50	
\$ 17 2,4,6-Tribromophenol	330	8.732	8.730	(1.100)	482156	40.0124	40.0	
19 Pentachlorophenol	266	9.246	9.245	(0.984)	84221	6.00397	6.00	
* 20 Phenanthrene-d10	188	9.398	9.396	(1.000)	371189	4.00000		
22 Anthracene	178	9.473	9.472	(1.008)	615780	5.72672	5.73	
24 Fluoranthene	202	10.591	10.591	(1.127)	762806	7.42955	7.43	
25 Pyrene	202	10.836	10.837	(1.153)	783561	7.05339	7.05	
\$ 26 4-Terphenyl-d14	244	11.057	11.058	(1.177)	951429	18.1876	18.2	
* 28 Chrysene-d12	240	12.612	12.602	(1.000)	342674	4.00000		
* 34 Perylene-d12	264	15.642	15.642	(1.000)	334770	4.00000		

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 25-AUG-2010
Lab File ID: 429160-3.D Calibration Time: 09:50
Lab Smp Id:
Analysis Type: SV Level: LOW
Quant Type: ISTD Sample Type: SOIL
Operator: hl
Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825p.b\mcp30s2.m
Misc Info: wg429559,wg429160,ICAL5275

Test Mode:

Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	141311	70656	282622	127745	-9.60
6 Naphthalene-d8	367711	183856	735422	332111	-9.68
14 Acenaphthene-d10	210350	105175	420700	198154	-5.80
20 Phenanthrene-d10	399896	199948	799792	371189	-7.18
28 Chrysene-d12	388130	194065	776260	342674	-11.71
34 Perylene-d12	370286	185143	740572	334770	-9.59

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	0.02
6 Naphthalene-d8	6.23	5.73	6.73	6.23	-0.00
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	-0.01
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.01
28 Chrysene-d12	12.60	12.10	13.10	12.61	0.08
34 Perylene-d12	15.64	15.14	16.14	15.64	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

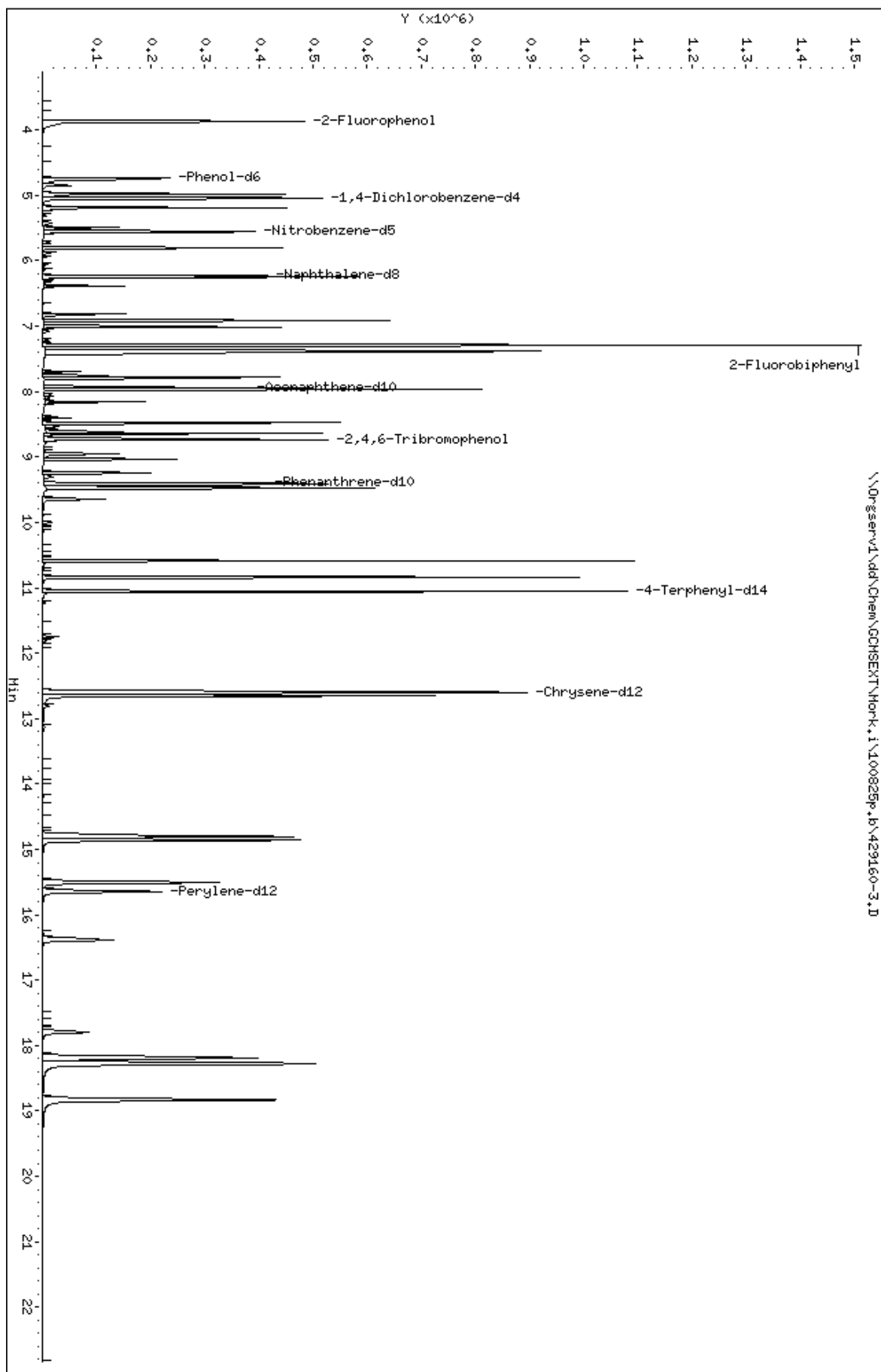
Client Name: Client SDG: SDGa01132
 Sample Matrix: SOLID Fraction: SV
 Lab Smp Id:
 Level: LOW Operator: hl
 Data Type: MS DATA SampleType: LCSD
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 Sublist File: 8270tclspk.sub
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825p.b\mcp30s2.m
 Misc Info: wg429559,wg429160,ICAL5275

SPIKE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
15 Acenaphthene	10.0	5.50	55.04	37-111
19 Pentachlorophenol	10.0	6.00	60.04	9-103
25 Pyrene	10.0	7.05	70.53	26-127
12 2-Chloronaphthalen	10.0	11.7	117.32	40-140
24 Fluoranthene	10.0	7.43	74.30	40-140
22 Anthracene	10.0	5.73	57.27	40-140

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2-Fluorophenol	50.0	12.8	25.62	25-120
\$ 2 Phenol-d6	50.0	8.18	16.36	10-120
\$ 5 Nitrobenzene-d5	25.0	10.1	40.57	23-120
\$ 11 2-Fluorobiphenyl	25.0	14.8	59.03	30-120
\$ 17 2,4,6-Tribromophen	50.0	40.0	80.02	19-120
\$ 26 4-Terphenyl-d14	25.0	18.2	72.75	18-120

Data File: \\Drgerw1\dd\Chem\GCHEXT\Hork,i\100825p,b\429160-3.D
Date : 25-AUG-2010 11:33
Client ID:
Sample Info: wg429160-3p,32,8270col,h1
Column phase: RTX-5

Instrument: Hork,i
Operator: h1
Column diameter: 0.32



Date : 25-AUG-2010 11:33

Client ID:

Instrument: Mork,i

Sample Info: wg429160-3p,32,8270tol,h1

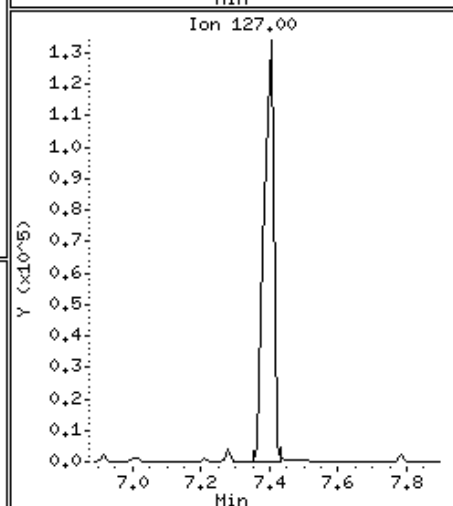
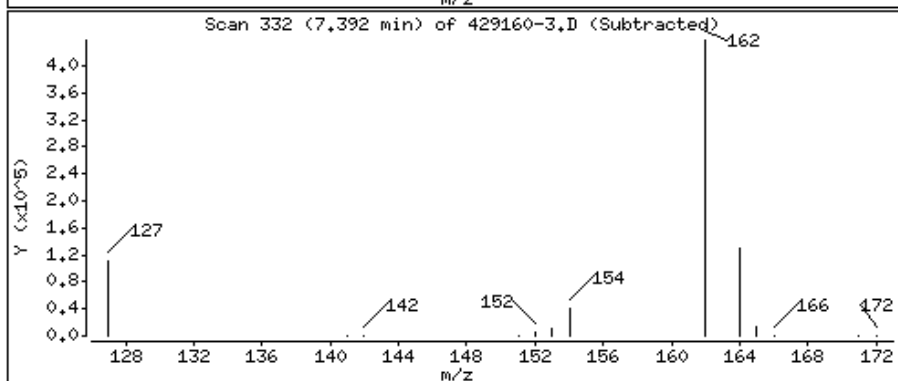
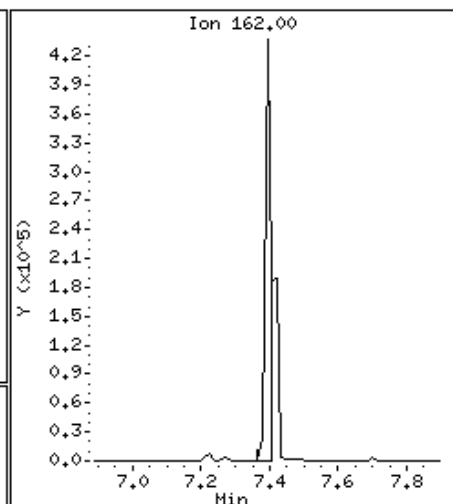
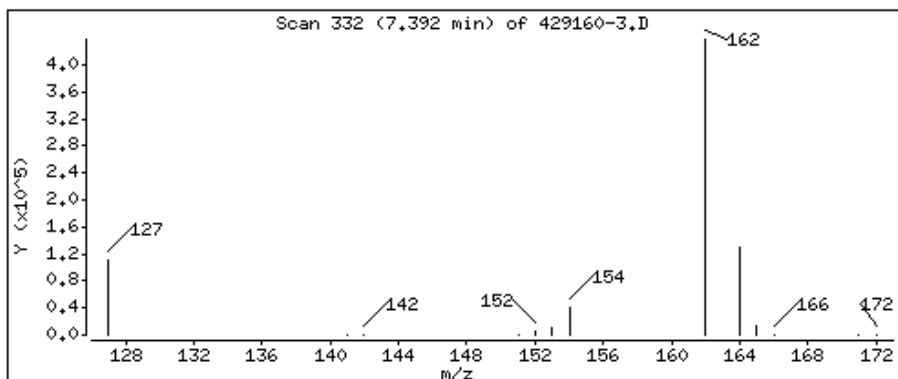
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

12 2-Chloronaphthalene

Concentration: 9.02 ng



Date : 25-AUG-2010 11:33

Client ID:

Instrument: Mork.i

Sample Info: wg429160-3p,32,8270tol,h1

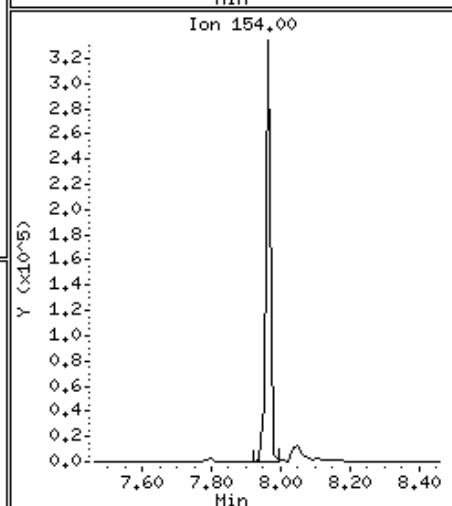
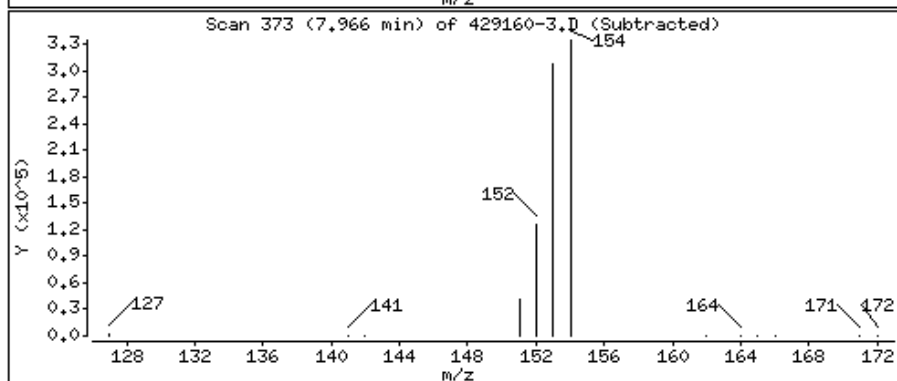
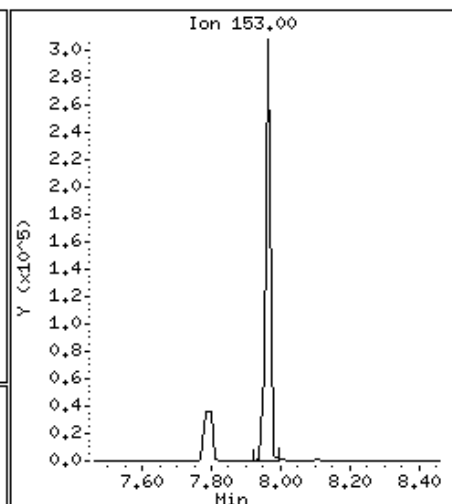
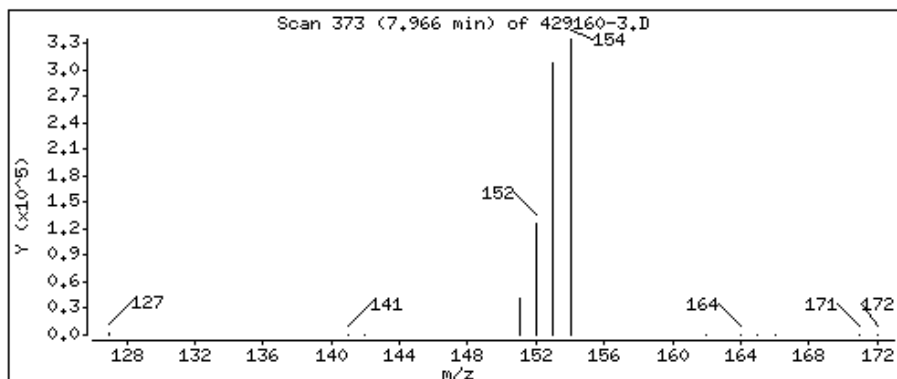
Operator: hl

Column phase: RTX-5

Column diameter: 0.32

15 Acenaphthene

Concentration: 5.50 ng



Date : 25-AUG-2010 11:33

Client ID:

Instrument: Mork.i

Sample Info: wg429160-3p,32,8270tcl,h1

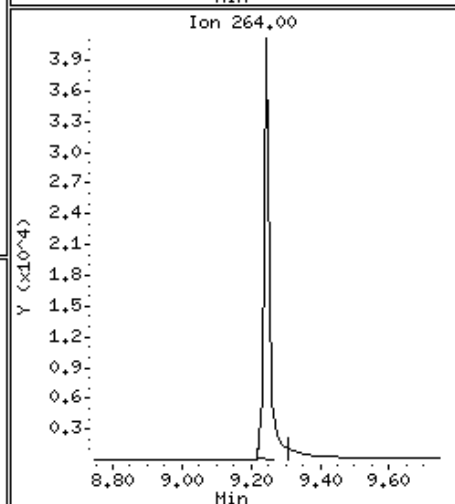
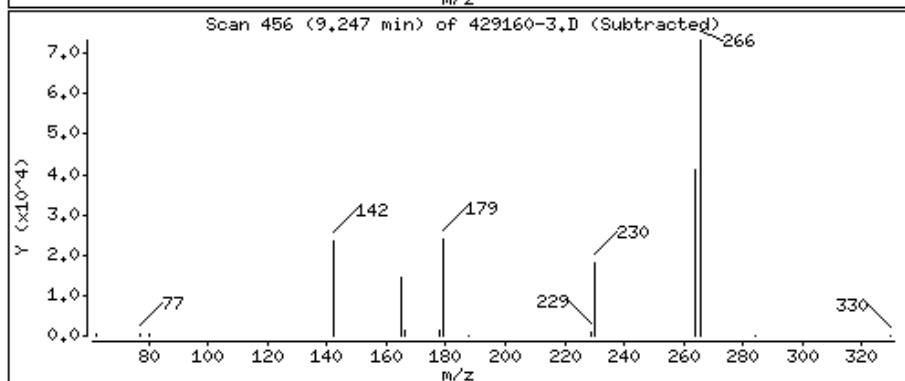
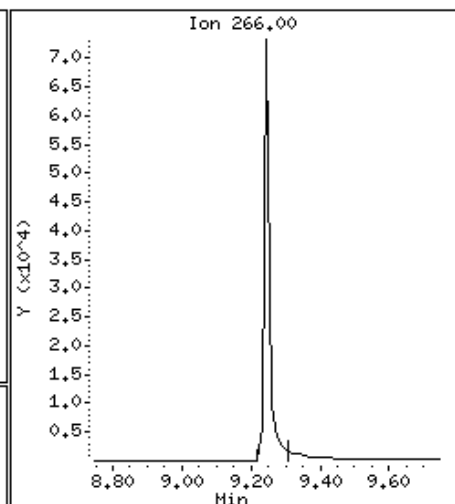
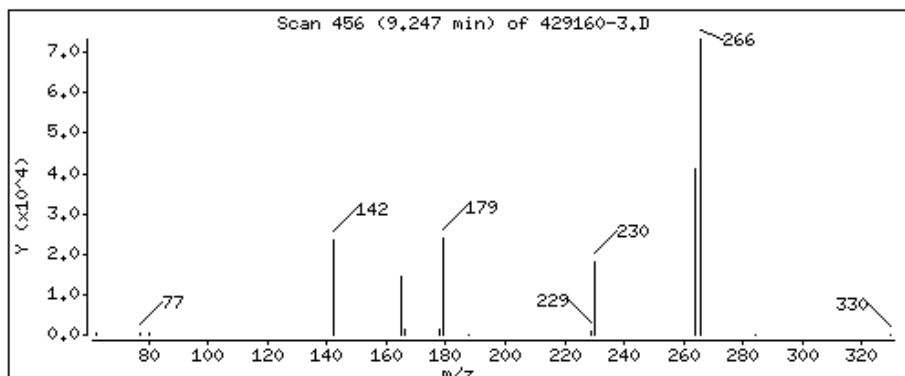
Operator: hl

Column phase: RTX-5

Column diameter: 0.32

19 Pentachlorophenol

Concentration: 6.35 ng



Date : 25-AUG-2010 11:33

Client ID:

Instrument: Mork,i

Sample Info: wg429160-3p,32,8270tcl,h1

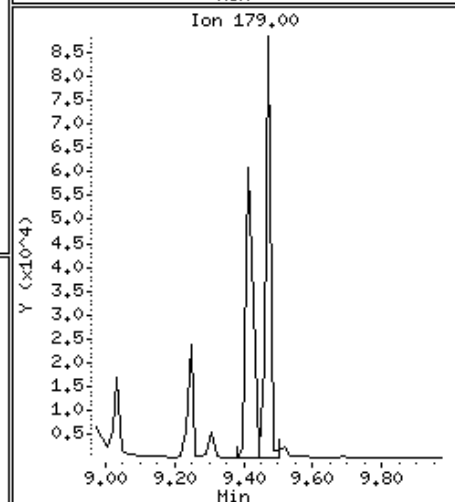
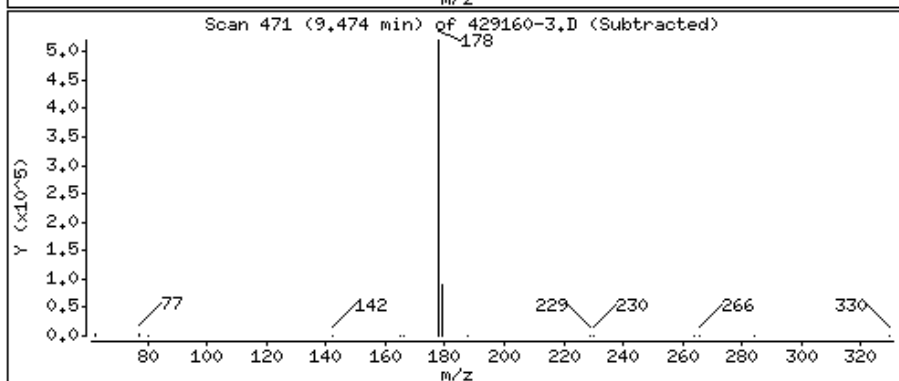
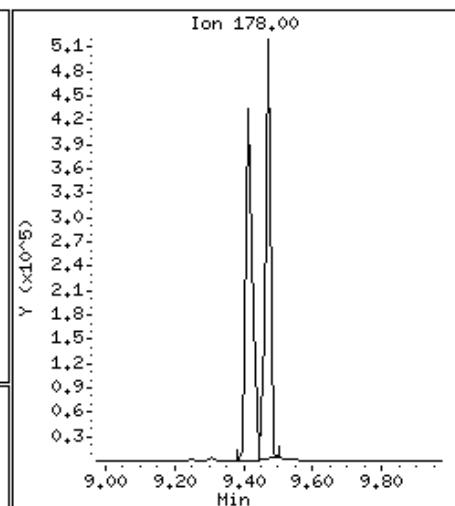
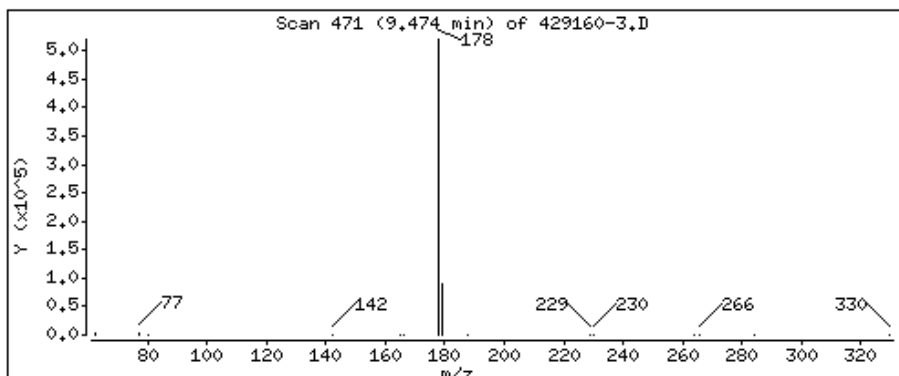
Operator: hl

Column phase: RTX-5

Column diameter: 0.32

22 Anthracene

Concentration: 5.73 ng



Date : 25-AUG-2010 11:33

Client ID:

Instrument: Mork.i

Sample Info: wg429160-3p,32,8270tcl,h1

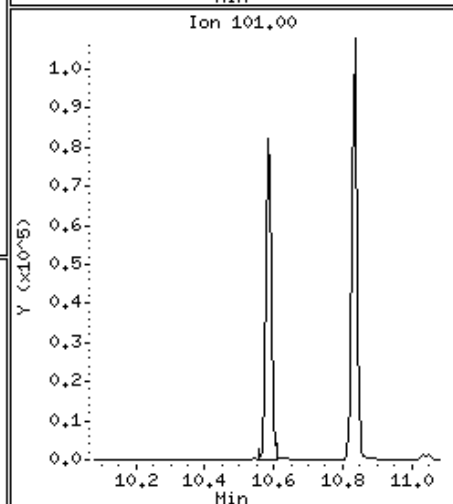
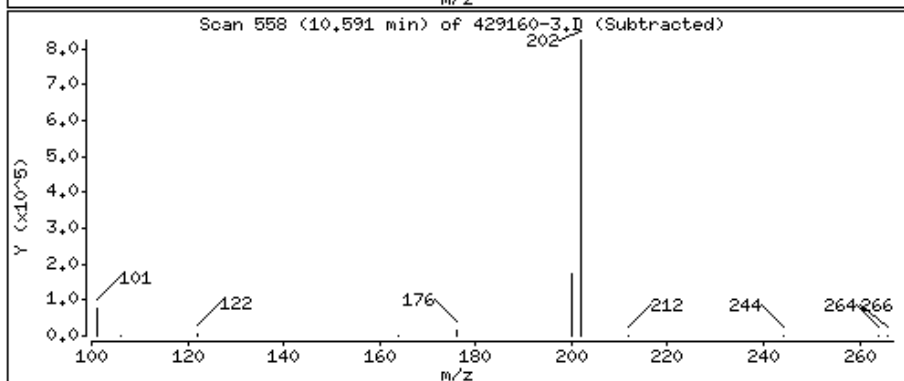
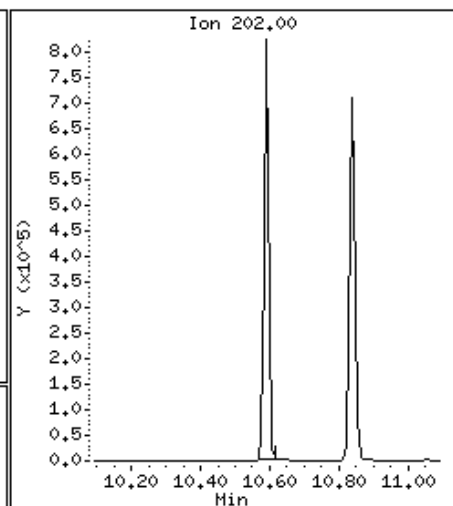
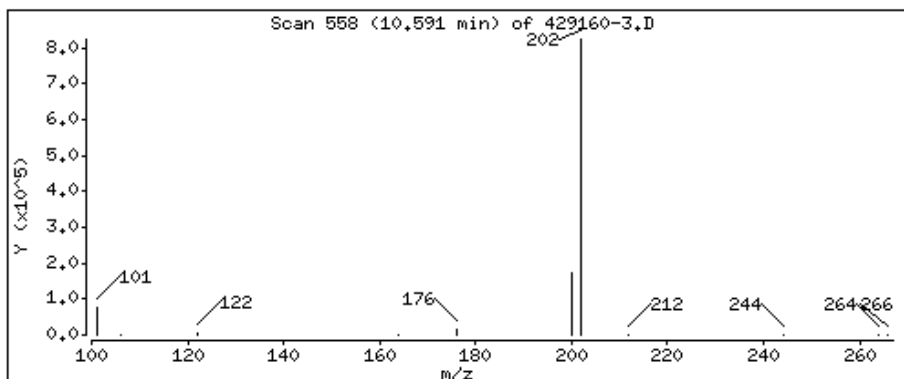
Operator: hl

Column phase: RTX-5

Column diameter: 0.32

24 Fluoranthene

Concentration: 7.43 ng



Date : 25-AUG-2010 11:33

Client ID:

Instrument: Mork.i

Sample Info: wg429160-3p,32,8270tcl,h1

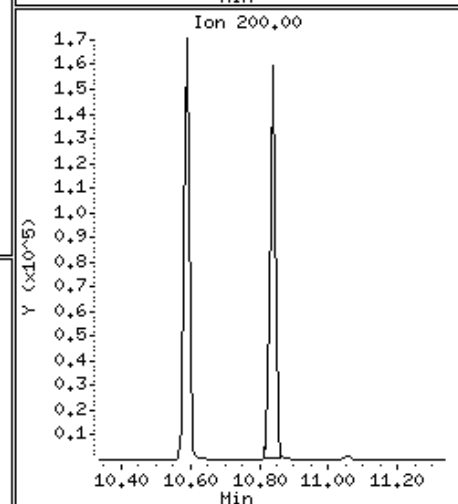
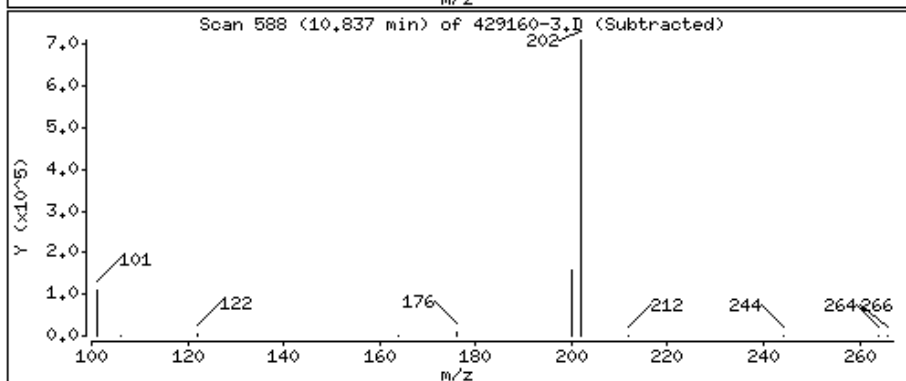
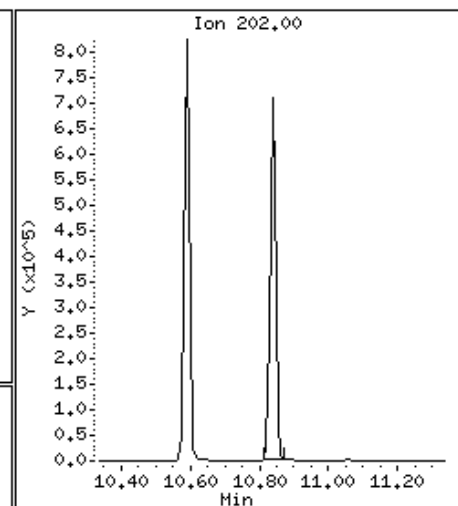
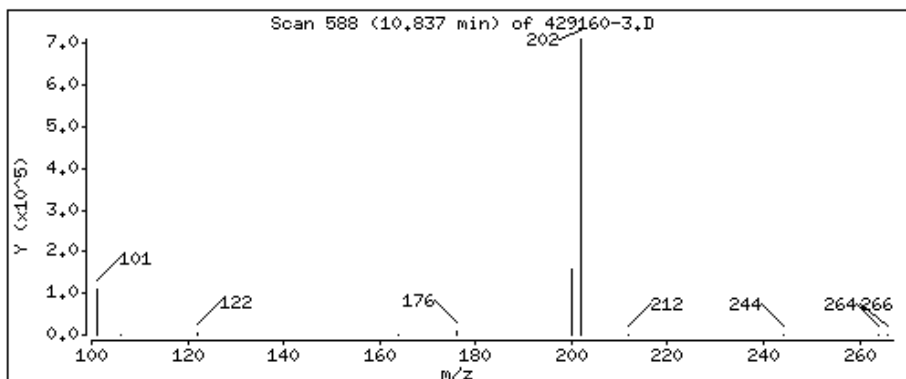
Operator: hl

Column phase: RTX-5

Column diameter: 0.32

25 Pyrene

Concentration: 7.05 ng



Alpha Analytical Labs

GC/MS Semi - Quantitation Report

Data file : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825a.b\429160-3.D

Lab Smp Id:

Inj Date : 25-AUG-2010 11:33

Operator : hl

Inst ID: Mork.i

Smp Info : wg429160-3,32,8270tcl,hl

Misc Info : wg429559,wg429160,ICAL5275

Comment : Splitless Injection - Aug 24th 2009 edits.

Method : \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825a.b\mcp30s2.m

Meth Date : 26-Aug-2010 15:29 Mork.i

Quant Type: ISTD

Cal Date : 21-AUG-2010 17:49

Cal File: siml9.D

Als bottle: 3

QC Sample: LCSD

Dil Factor: 1.00000

Integrator: HP RTE

Compound Sublist: 8270tclspk.sub

Target Version: 4.12

Processing Host: ABN-3

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

						CONCENTRATIONS				
		QUANT	SIG					ON-COLUMN	FINAL	
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	REVIEW CODE	
=====		=====	=====	=====	=====	=====	=====	=====	=====	
\$	1 2-Fluorophenol	112	3.868	3.853	(0.769)	462910	12.8077	12.8		
\$	2 Phenol-d6	99	4.749	4.734	(0.944)	294116	8.18213	8.18		
*	3 1,4-Dichlorobenzene-d4	152	5.029	5.028	(1.000)	127745	4.00000			
\$	5 Nitrobenzene-d5	82	5.561	5.559	(1.106)	382270	10.1416	10.1		
*	6 Naphthalene-d8	136	6.230	6.230	(1.000)	332111	4.00000			
\$	11 2-Fluorobiphenyl	172	7.294	7.294	(1.171)	1009850	14.7586	14.8		
	12 2-Chloronaphthalene	162	7.392	7.392	(1.186)	541271	9.01852	9.02(M)	M1	
*	14 Acenaphthene-d10	164	7.937	7.938	(1.000)	198154	4.00000			
	15 Acenaphthene	153	7.965	7.966	(1.004)	317447	5.50448	5.50		
\$	17 2,4,6-Tribromophenol	330	8.732	8.730	(1.100)	482156	40.0124	40.0		
	19 Pentachlorophenol	266	9.246	9.245	(0.984)	89296	6.34683	6.35(M)	M1	
*	20 Phenanthrene-d10	188	9.398	9.396	(1.000)	371189	4.00000			
	22 Anthracene	178	9.473	9.472	(1.008)	615780	5.72672	5.73		
	24 Fluoranthene	202	10.591	10.591	(1.127)	762806	7.42955	7.43		
	25 Pyrene	202	10.836	10.837	(1.153)	783561	7.05339	7.05		
\$	26 4-Terphenyl-d14	244	11.057	11.058	(1.177)	951429	18.1876	18.2		
*	28 Chrysene-d12	240	12.612	12.602	(1.000)	342673	4.00000			
*	34 Perylene-d12	264	15.642	15.642	(1.000)	334770	4.00000			

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Mork.i Calibration Date: 25-AUG-2010
 Lab File ID: 429160-3.D Calibration Time: 09:50
 Lab Smp Id:
 Analysis Type: SV Level: LOW
 Quant Type: ISTD Sample Type: SOIL
 Operator: hl
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825a.b\mcp30s2.m
 Misc Info: wg429559,wg429160,ICAL5275

Test Mode:

Use Last Continuing Calibrator.
 If Continuing Cal. use Initial Cal. Level 8

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	141311	70656	282622	127745	-9.60
6 Naphthalene-d8	425551	212776	851102	332111	-21.96
14 Acenaphthene-d10	210350	105175	420700	198154	-5.80
20 Phenanthrene-d10	399896	199948	799792	371189	-7.18
28 Chrysene-d12	388130	194065	776260	342673	-11.71
34 Perylene-d12	370286	185143	740572	334770	-9.59

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1,4-Dichlorobenze	5.03	4.53	5.53	5.03	0.02
6 Naphthalene-d8	6.23	5.73	6.73	6.23	-0.00
14 Acenaphthene-d10	7.94	7.44	8.44	7.94	-0.01
20 Phenanthrene-d10	9.40	8.90	9.90	9.40	0.01
28 Chrysene-d12	12.60	12.10	13.10	12.61	0.08
34 Perylene-d12	15.64	15.14	16.14	15.64	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

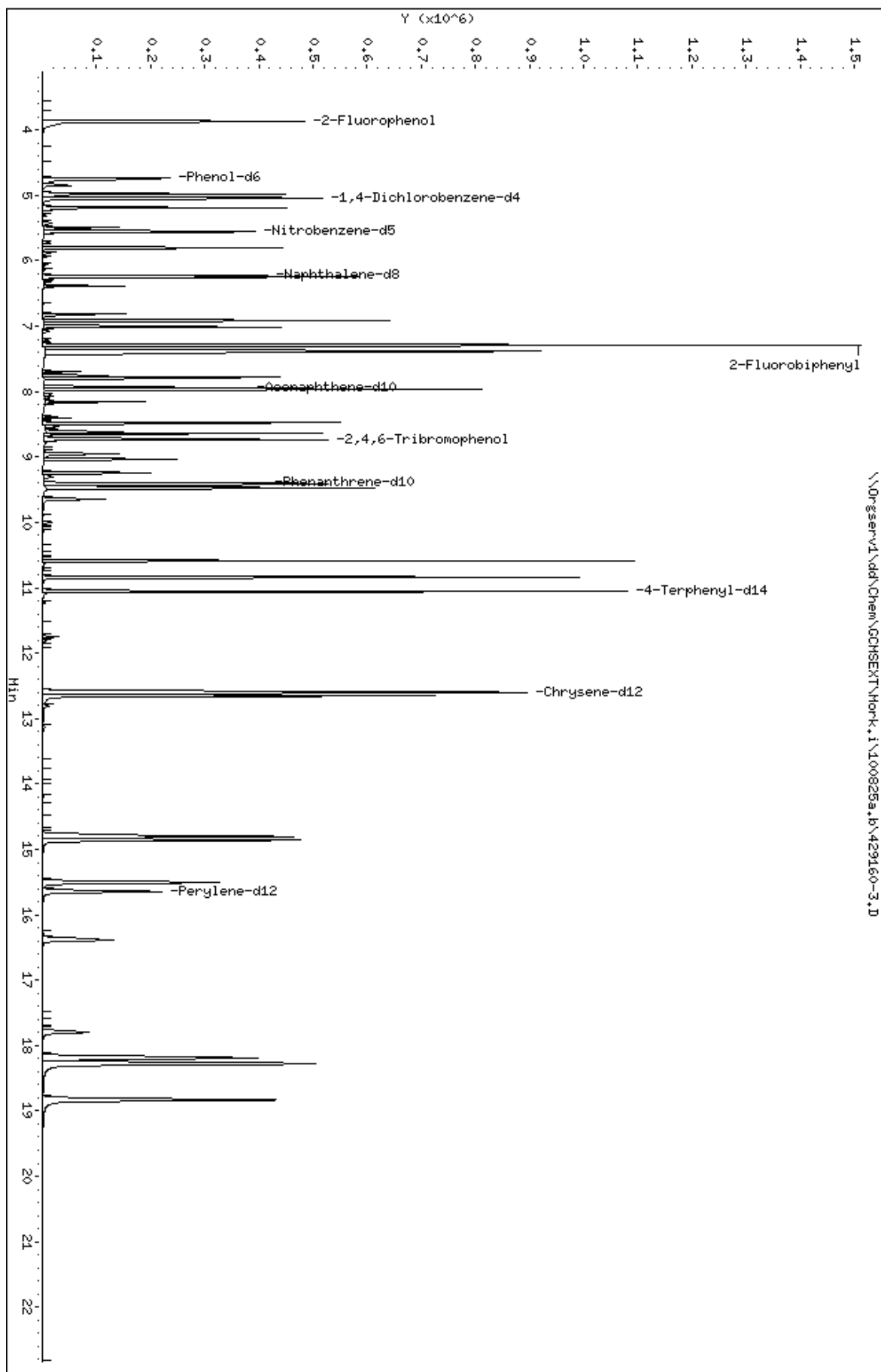
RECOVERY REPORT

Client Name: Client SDG: SDGa01132
 Sample Matrix: SOLID Fraction: SV
 Lab Smp Id:
 Level: LOW Operator: hl
 Data Type: MS DATA SampleType: LCSD
 SpikeList File: 8270tclspk10.spk Quant Type: ISTD
 Sublist File: 8270tclspk.sub
 Method File: \\Orgserv1\dd\Chem\GCMSEXT\Mork.i\100825a.b\mcp30s2.m
 Misc Info: wg429559,wg429160,ICAL5275

SPIKE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
15 Acenaphthene	10.0	5.50	55.04	37-111
19 Pentachlorophenol	10.0	6.35	63.47	9-103
25 Pyrene	10.0	7.05	70.53	26-127
12 2-Chloronaphthalen	10.0	9.02	90.19	40-140
24 Fluoranthene	10.0	7.43	74.30	40-140
22 Anthracene	10.0	5.73	57.27	40-140

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2-Fluorophenol	50.0	12.8	25.62	25-120
\$ 2 Phenol-d6	50.0	8.18	16.36	10-120
\$ 5 Nitrobenzene-d5	25.0	10.1	40.57	23-120
\$ 11 2-Fluorobiphenyl	25.0	14.8	59.03	30-120
\$ 17 2,4,6-Tribromophen	50.0	40.0	80.02	19-120
\$ 26 4-Terphenyl-d14	25.0	18.2	72.75	18-120

Data File: \\Drgerw1\dd\Chem\GCHEXT\Hork,i\100825a,b\429160-3.D
Date : 25-AUG-2010 11:33
Client ID:
Sample Info: wg429160-3,32,8270bcl,h1
Column phase: RTX-5
Instrument: Hork,i
Operator: h1
Column diameter: 0.32



Date : 25-AUG-2010 11:33

Client ID:

Instrument: Mork,i

Sample Info: wg429160-3,32,8270tol,h1

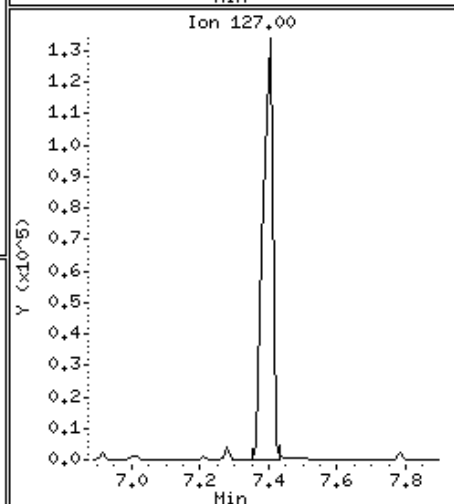
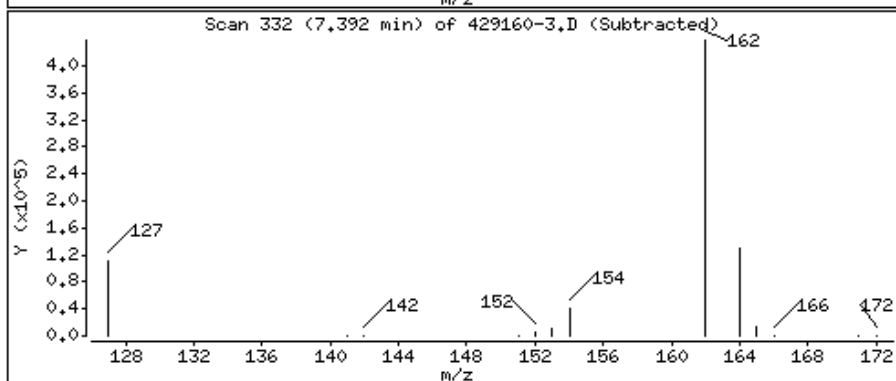
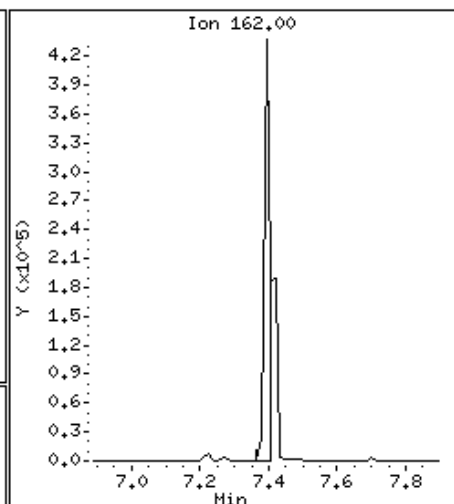
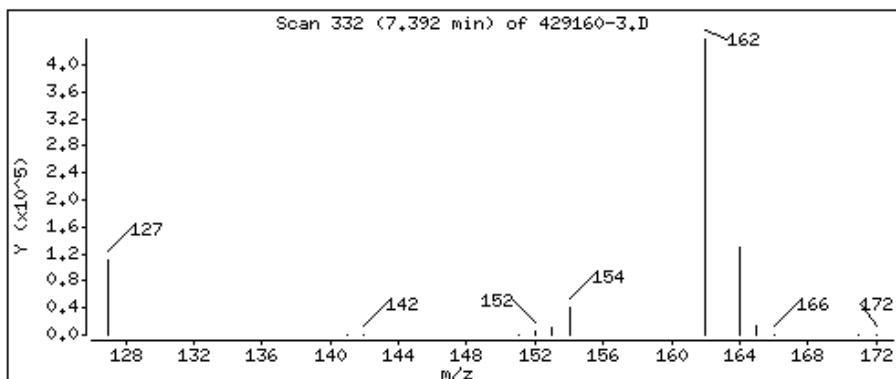
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

12 2-Chloronaphthalene

Concentration: 9.02 ng



Date : 25-AUG-2010 11:33

Client ID:

Instrument: Mork,i

Sample Info: wg429160-3,32,8270tol,h1

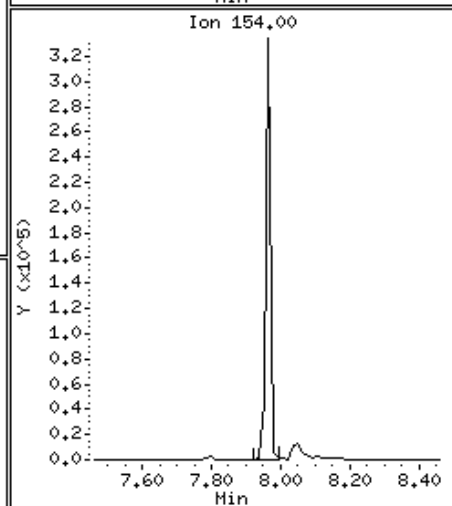
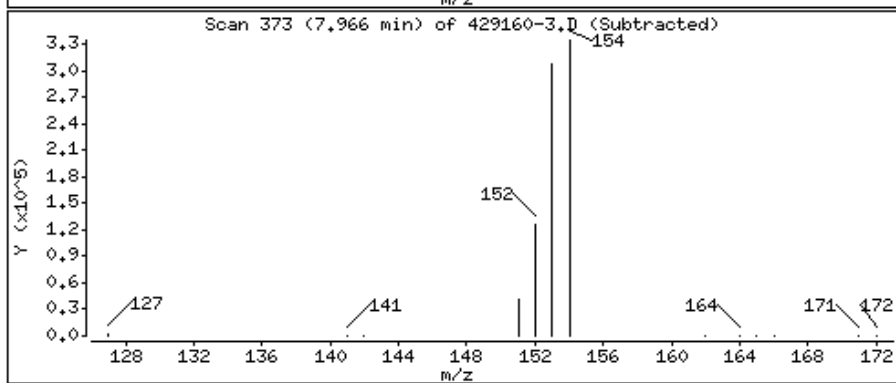
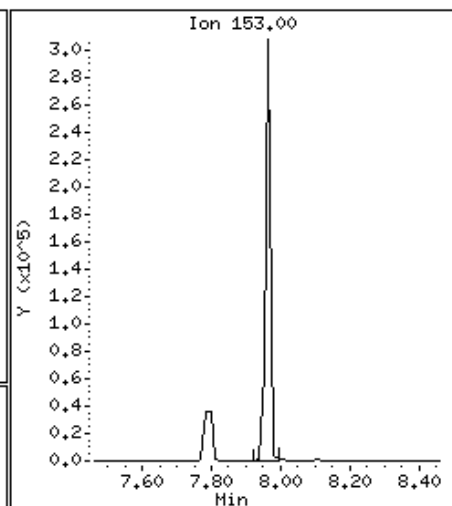
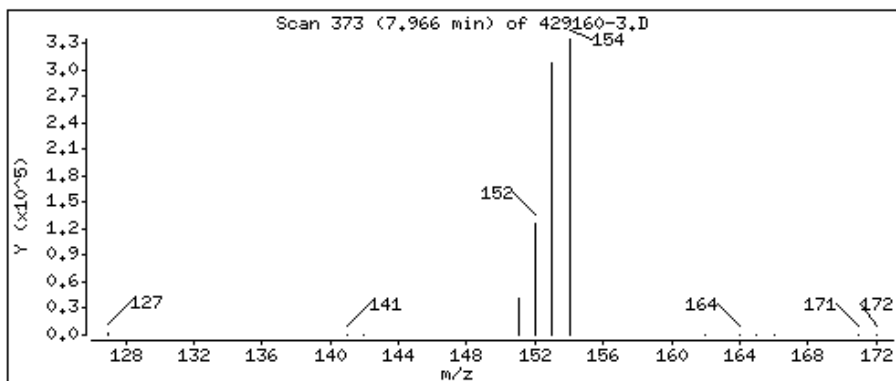
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

15 Acenaphthene

Concentration: 5.50 ng



Date : 25-AUG-2010 11:33

Client ID:

Instrument: Mork,i

Sample Info: wg429160-3,32,8270tol,h1

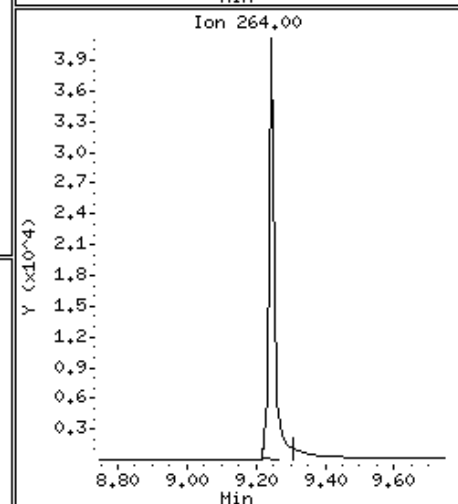
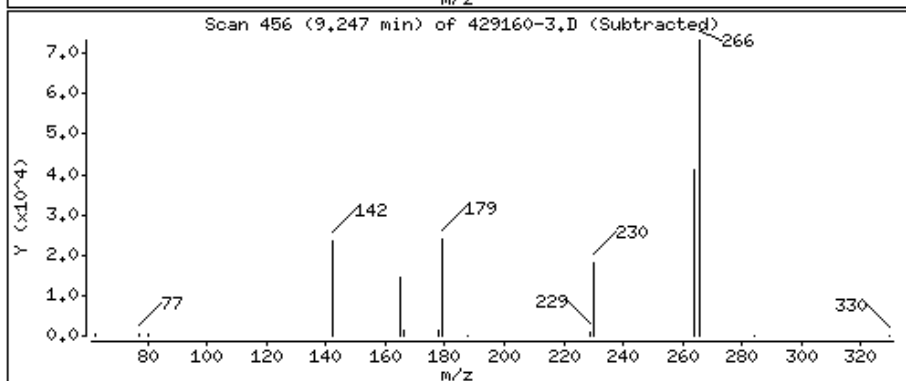
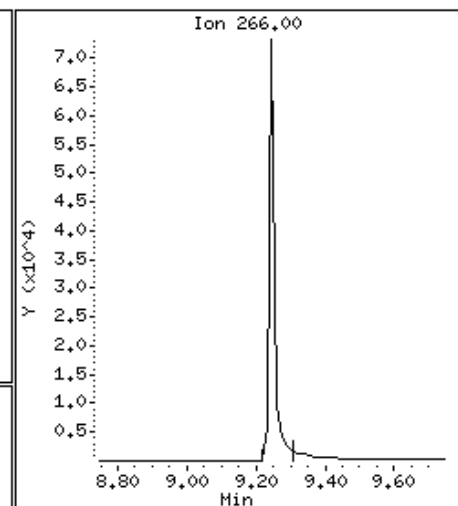
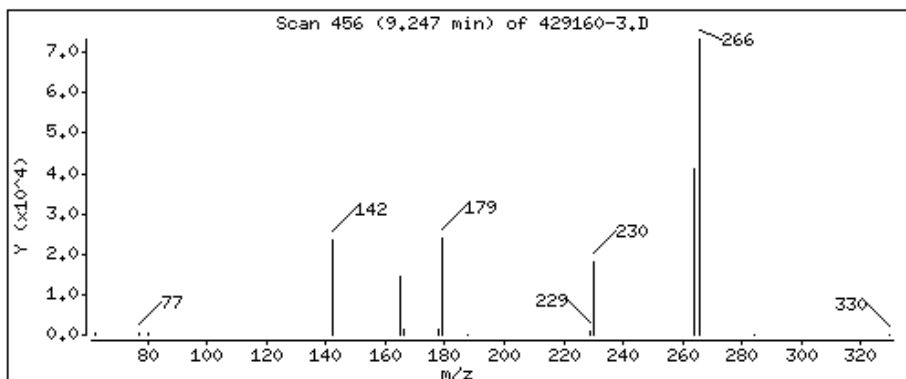
Operator: h1

Column phase: RTX-5

Column diameter: 0,32

19 Pentachlorophenol

Concentration: 6,35 ng



Date : 25-AUG-2010 11:33

Client ID:

Instrument: Mork,i

Sample Info: wg429160-3,32,8270tol,h1

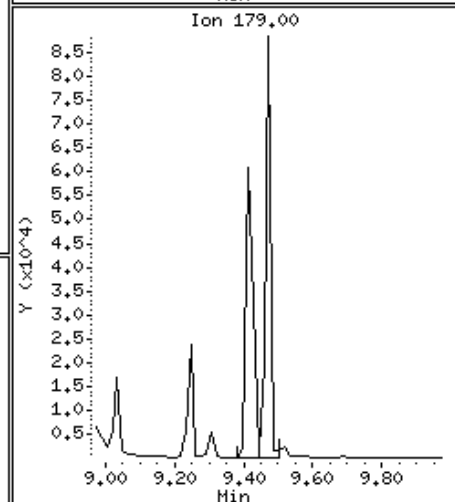
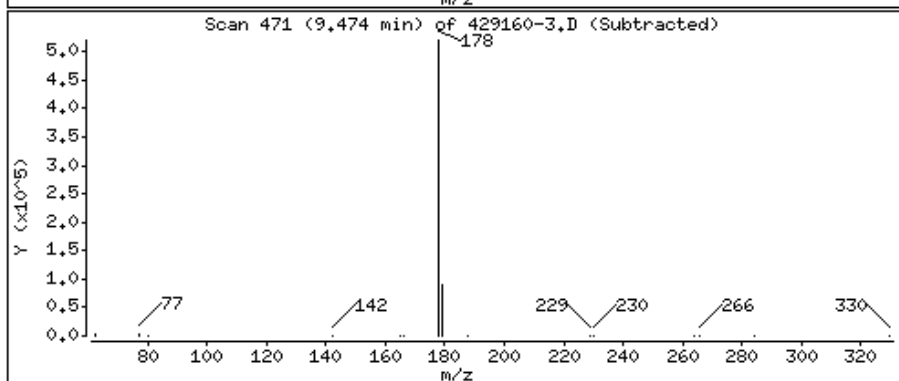
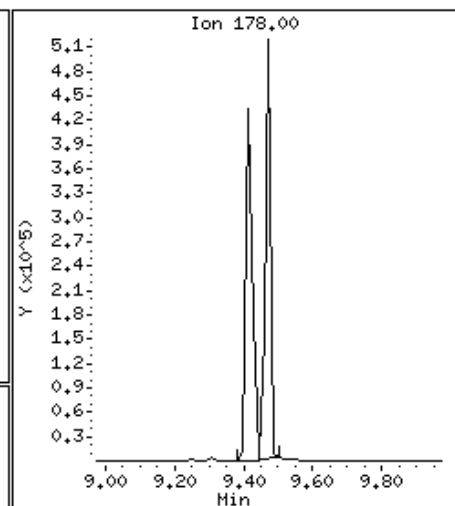
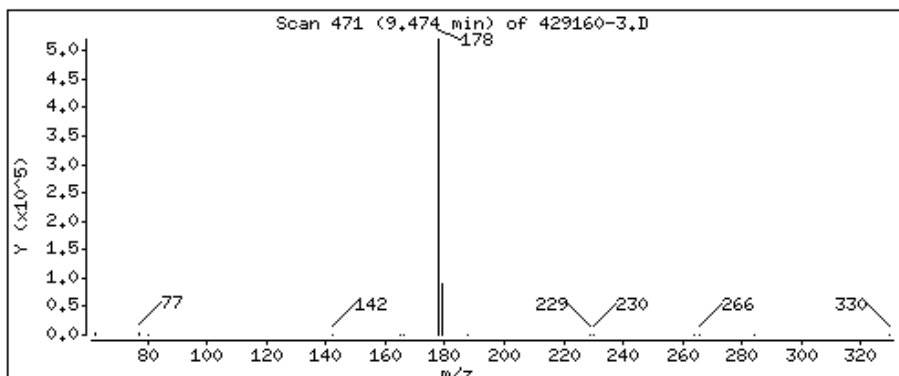
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

22 Anthracene

Concentration: 5.73 ng



Date : 25-AUG-2010 11:33

Client ID:

Instrument: Mork.i

Sample Info: wg429160-3,32,8270tol,h1

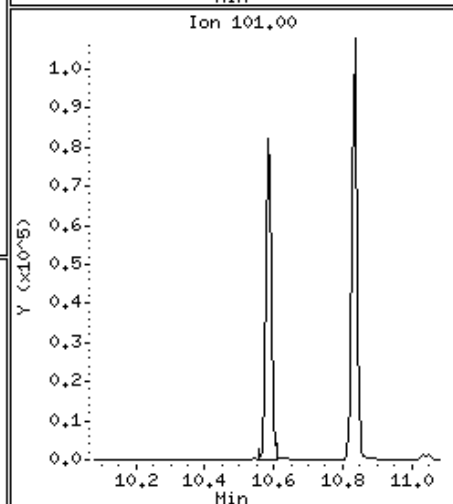
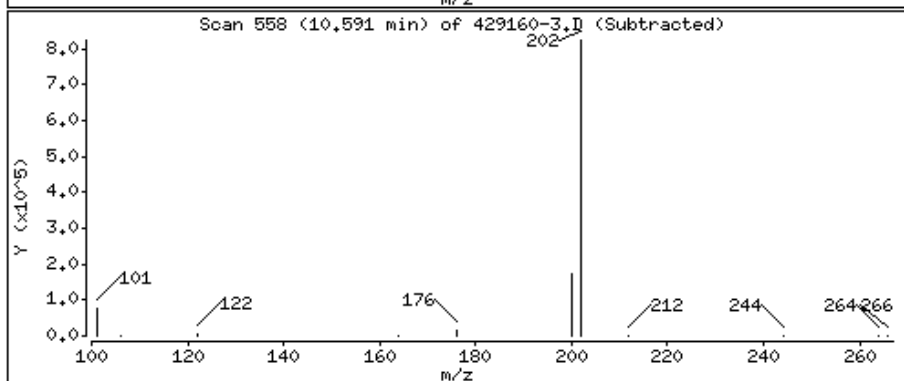
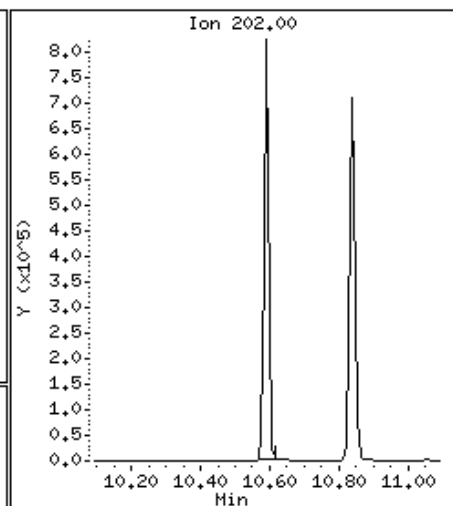
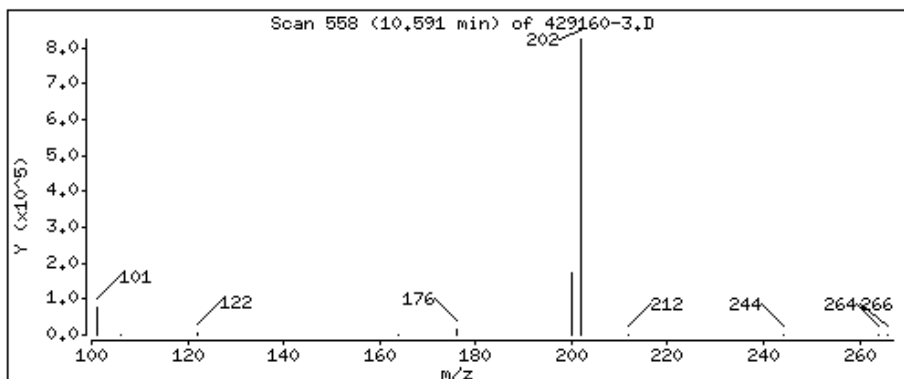
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

24 Fluoranthene

Concentration: 7.43 ng



Date : 25-AUG-2010 11:33

Client ID:

Instrument: Mork,i

Sample Info: wg429160-3,32,8270tol,h1

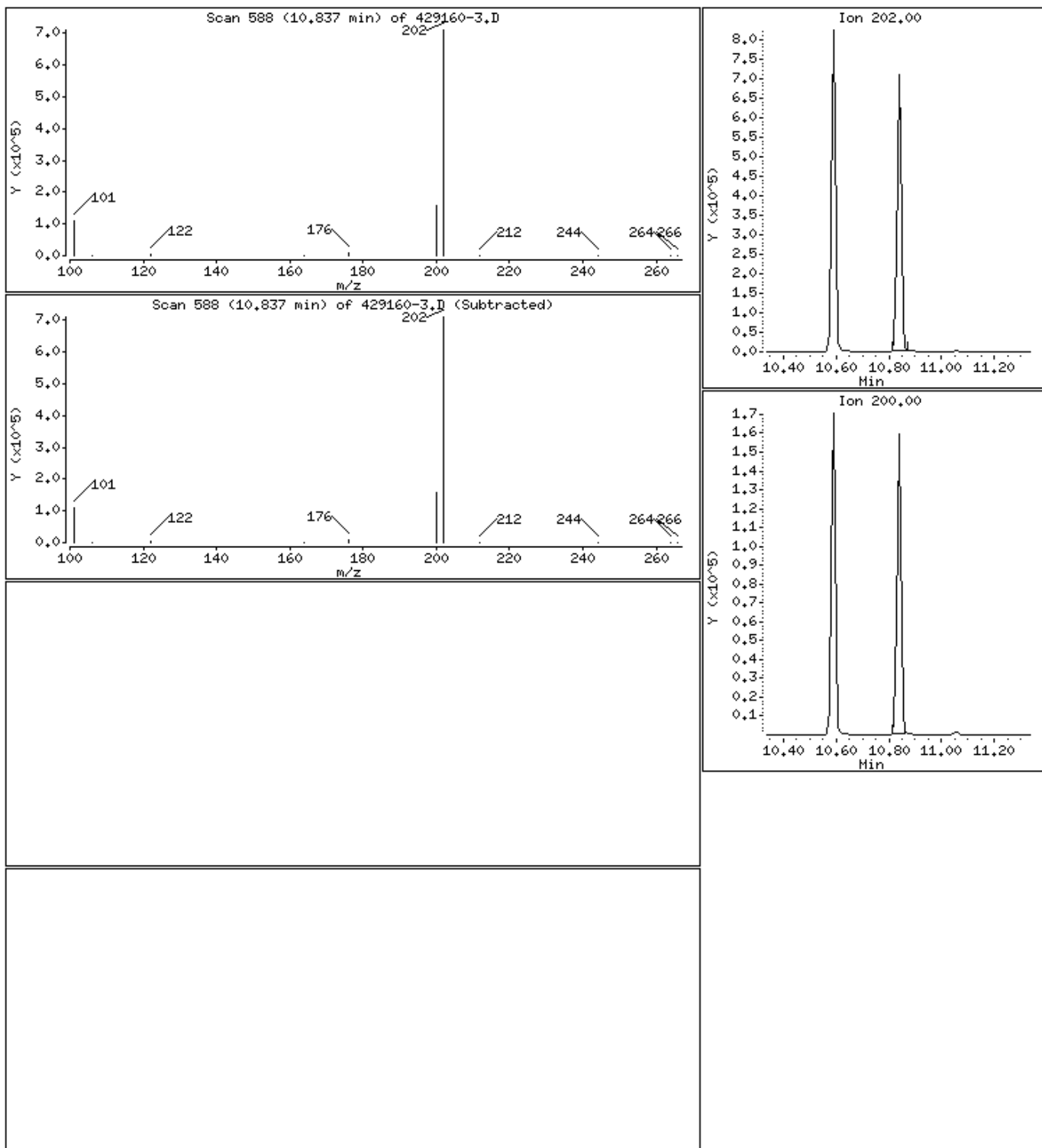
Operator: h1

Column phase: RTX-5

Column diameter: 0.32

25 Pyrene

Concentration: 7.05 ng



Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * 1000 * (1/V_o) * V_f$

Where:

DF = Dilution Factor

V_o = Volume of Sample (mL)

V_f = Extraction Lab Final Volume (mL)

Soil Concentration Formula: $Amt * DF * 1000 * (1/W_t) * V_f$

Where:

DF = Dilution Factor

W_t = Weight of Sample (g)

V_f = Extraction Lab Final Volume (mL)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 31 2010, 11:57 am

Work Group: WG429559 for Department: 32 GC/MS - Semivolatiles

Created: 26-AUG-10 Due: Operator: jc

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1012870-06	FIELD BLANKS	C NYTCL-8270-SIM	WATER	DONE	U	0824	0826	S0	Amber-A1
L1012962-19	FIELD BLANK	C NYTCL-8270-SIM	WATER	DONE	U	0826	0827	S0	Amber-A1
L1013017-01	WC-001 PZ-B	C NYTCL-8270-SIM	WATER	DONE	U	0830	0830	S0	Amber-A1
WG429160-1	Laboratory Method Bl	S NYTCL-8270-SIM	WATER	DONE	U				
WG429160-2	Laboratory Control S	S NYTCL-8270-SIM	WATER	DONE	U				
WG429160-3	LCS Duplicate	S NYTCL-8270-SIM	WATER	DONE	U				
Comments:									
WG429160-3	WG429160-2								

Sequence Name: C:\msdchem\1\sequence\1008211cal.S

Comment: mork

Operator: nd

Data Path: C:\MSDCHEM\1\DATA\1008211cal\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run On A Barcode Mismatch

(X) Full Method (X) Inject Anyway

() Reprocessing Only () Don't Inject

Line	Sample Name/Misc Info
1) Sample	100 DFT0821 DFTPP2 dftpp
2) Sample	1 siml1 SIMFAST2 sim 0.05/0.5 lot 3016
3) Sample	2 siml2 SIMFAST2 sim 0.10/1.0 lot 3017
4) Sample	3 siml3 SIMFAST2 sim 0.20/2.0 lot 3018
5) Sample	4 siml4 SIMFAST2 sim 0.5/5.0 lot 3019
6) Sample	5 siml5 SIMFAST2 sim 1.0/10 lot 3020
7) Sample	6 siml6 SIMFAST2 sim 2.0/20 lot 3021
8) Sample	7 siml7 SIMFAST2 sim 5.0/40 lot 3022
9) Sample	8 siml8 SIMFAST2 sim 10/50 lot 3023
10) Sample	9 siml9 SIMFAST2 sim 20/60 lot 3024
11) Sample	10 simicv SIMFAST2 2.0 icv lot 3025

ICAL 5275

✓ by (P)

Sequence Name: C:\msdchem\1\sequence\100825.S

Comment: mork

Operator: hl

Data Path: C:\MSDCHEM\1\DATA\100825\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run On A Barcode Mismatch

(X) Full Method (X) Inject Anyway

() Reprocessing Only () Don't Inject

Line	Sample Name/Misc Info
1) Sample	100 DFT0825 DFTPP2 dftpp
2) Sample	96 cc0825 SIMFAST2 ccsim 2.0 lot 3059
3) Sample	1 429162-1 SIMFAST2 wg429162-1,32,8270tcl,hl
4) Sample	2 429162-2 SIMFAST2 wg429162-2,32,8270tcl,hl
5) Sample	3 429162-3 SIMFAST2 wg429162-3,32,8270tcl,hl
6) Sample	4 429162-4 SIMFAST2 wg429162-4,32,8270tcl,hl
7) Sample	5 429162-5 SIMFAST2 wg429162-5,32,8270tcl,hl
8) Sample	6 12870-06 SIMFAST2 l1012870-06,32,8270tcl,hl
9) Sample	7 12969-01 SIMFAST2 l1012969-01,32,8270tcl,hl
10) Sample	8 12969-2 SIMFAST2 l1012969-02,32,8270tcl,hl
11) Sample	9 12969-03 SIMFAST2 l1012969-03,32,8270tcl,hl
12) Sample	10 12969-04 SIMFAST2 l1012969-04,32,8270tcl,hl
13) Sample	11 12969-05 SIMFAST2 l1012969-05,32,8270tcl,hl
14) Sample	12 12969-06 SIMFAST2 l1012969-06,32,8270tcl,hl
15) Sample	13 12969-07 SIMFAST2 l1012969-07,32,8270tcl,hl
16) Sample	14 12969-09 SIMFAST2 l1012969-09,32,8270tcl,hl
17) Sample	15 12969-10 SIMFAST2 l1012969-10,32,8270tcl,hl
18) Sample	16 12969-11 SIMFAST2 l1012969-11,32,8270tcl,hl
19) Sample	17 12969-12 SIMFAST2 l1012969-12,32,8270tcl,hl
20) Sample	18 12962-19 SIMFAST2 l1012962-19,32,8270tcl,hl
21) Sample	19 13009-01 SIMFAST2 L1013009-01,32,8270TCL,HL
22) Sample	20 12962-02 SIMFAST2 L1012962-02,32,NYTCL
23) Sample	96 cc0825N SIMFAST2 ccsim 2.0 lot 3059
24) Sample	97 TEST SIMFAST2 TEST
25) Sample	21 12962-09 SIMFAST2 L1012962-09,32,NYTCL
26) Sample	22 12962-10 SIMFAST2 L1012962-10,32,NYTCL
27) Sample	23 12962-14 SIMFAST2 L1012962-14,32,NYTCL
28) Sample	24 12962-16 SIMFAST2 L1012962-16,32,NYTCL
29) Sample	25 12962-17 SIMFAST2 L1012962-17,32,NYTCL
30) Sample	26 12962-03 SIMFAST2 L1012962-03D,32,4X,NYTCL
31) Sample	27 12962-05 SIMFAST2 L1012962-05D,32,4X,NYTCL
32) Sample	28 12962-06 SIMFAST2 L1012962-06D,32,4X,NYTCL
33) Sample	29 12962-12 SIMFAST2 L1012962-12D,32,4X,NYTCL
34) Sample	30 12963-01 SIMFAST2 L1012963-01D,32,40X,NYTCL
35) Sample	31 12963-02 SIMFAST2 L1012963-02D,32,4X,NYTCL
36) Sample	32 12963-03 SIMFAST2 L1012963-03D,32,4X,NYTCL
37) Sample	33 12963-04 SIMFAST2 L1012963-04D,32,40X,NYTCL
38) Sample	34 13017-01 SIMFAST2 L1013017-01,32,NYTCL

, SpikeT, rean, (H)
SpikeT, rean, (H)

No DFTPP

Run all
Samples

(H)

Sequence Name: C:\msdchem\1\sequence\100827.S

Comment: mork

Operator: hl

Data Path: C:\MSDCHEM\1\DATA\100827\

Instrument Control Pre-Seq Cmd:

Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:

Data Analysis Post-Seq Cmd:

Method Sections To Run On A Barcode Mismatch
(X) Full Method (X) Inject Anyway
() Reprocessing Only () Don't Inject

Line	Sample Name/Misc Info
1) Sample	100 DFT0827 DFTPP2 dftpp
2) Sample	96 cc0827 SIMFAST2 ccsim 2.0 lot 3059
3) Sample	1 429691-1 SIMFAST2 wg429691-1,32,eph,hl
4) Sample	2 429691-2 SIMFAST2 wg429691-2,32,eph,hl
5) Sample	3 429691-3 SIMFAST2 wg429691-3,32,eph,hl
6) Sample	4 13056-01 SIMFAST2 11013056-01,32,eph,hl
7) Sample	5 13056-02 SIMFAST2 11013056-02,32,eph,hl
8) Sample	6 13056-03 SIMFAST2 11013056-03,32,eph,hl
9) Sample	7 429694-1 SIMFAST2 wg429694-1,32,pahtcl,hl
10) Sample	8 429694-2 SIMFAST2 wg429694-2,32,pahtcl,hl
11) Sample	9 429694-3 SIMFAST2 wg429694-3,32,pahtcl,hl
12) Sample	10 13070-01 SIMFAST2 11013070-01,32,pahtcl,hl
13) Sample	11 13070-02 SIMFAST2 11013070-01,32,pahtcl,hl
14) Sample	12 13017-01 SIMFAST2 11013017-01,32,ny8270,hl
15) Sample	13 13070-03 SIMFAST2 11013070-01,32,pahtcl,hl

ucc, Renun



50x
100x
100x



ORGANIC ELN REPORT

Workgroup: WG429160

Prep Method: EPA 3510C Solvent Type: DCM Surrogate Type: ABN Spike Type: ABN-SIM Spike Verify by: JB Lims Spikelot: 8270-USAC1 Additional Reagents/Std H2SO4 a081610	Conc.Method: KD Solvent Type: Additional Reagents/Std	Lot #: dc232 Lot #: dc232 Additional Reagents/Std	Cleanup 1 Cleanup Method 1: Cleanup Method 2: Solvent Type: Lot #: Additional Reagents/Std

Sample/ Type	Extraction						Concentration		
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml
WG429160-1 BLANK	08/24/10 14:58	Eric Hunt	1000	A/B	1		08/24/10 19:27	George Nantwi	1
	same qc as wg429159, 429161, 429162, 429163, 429164								
WG429160-2 LCS	08/24/10 14:58	Eric Hunt	1000	A	1	1	08/24/10 19:27	George Nantwi	1
	same qc as wg426162, 429164								
WG429160-3 LCSD	08/24/10 14:58	Eric Hunt	1000	A	1	1	08/24/10 19:27	George Nantwi	1
	same qc as wg426162, 429164								
L1012870-06 WATER	08/24/10 14:58	Eric Hunt	1000	A/B	1		08/24/10 19:27	George Nantwi	1
	90 mLs added from E amber								
L1012962-19 WATER	08/24/10 14:58	Eric Hunt	975	A/B	1		08/24/10 19:27	George Nantwi	.95
L1013017-01 WATER	08/24/10 14:58	Eric Hunt	1000	A/B	1		08/24/10 19:27	George Nantwi	1

GC Extractable Analysis Herbicides

Semivolatiles QC Summary

2E

SDG No.: L1013017

Matrix: Water

GC Column 2: RTX-5

01
02
03
04

QC LIMITS
(30-150)

page 1 of 1

Page 860 of 2052

3E
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER GC ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample - Client Sample No.: WG429737-2LCS

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
2,4-D	10	NA	10.0	100	30-150
2,4,5-T	10	NA	11.0	110	30-150
2,4,5-TP (Silvex)	10	NA	12.8	128	30-150

Lab Control Sample Duplicate: WG429737-3LCSD

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS RPD	REC.
2,4-D	10	12.6	126	23	25	30-150
2,4,5-T	10	13.1	131	17	25	30-150
2,4,5-TP (Silvex)	10	13.8	138	8	25	30-150

* Values outside of QC limits.

COMMENTS: _____

FORM III HERB-APA

SAMPLE NO.

WG429737-1BLANK

Instrument ID (2): PEST8.I

8D

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Init. Calib. Date(s): 26-AUG-2010 30-AUG-2010

Instrument ID : PEST8.I

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

[illegible]

8D

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Init. Calib. Date(s): 09-AUG-2010 30-AUG-2010

Instrument ID : PEST8.I

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

[illegible]

Determination of Method Detection Limits

Lab Name: Alpha Woods Hole Labs

Approved

Page 1 of 2
Tech: JB
Date: 2/27/2007
Instrument ID: Pest 8
Prep Method: 3510C
Prepared By: CA, SR

Method: EPA 8151A Liquid 2007

GC Sep. Funnel Herbicides Channels A & B

Table (MDL)		T value used for calculating MDL: 3.143													
	Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07							
No.	Analytes Channel A	Target Conc. (ug/L)	Rep-1	Rep-2	Rep-3	Rep-4	Rep-5	Rep-6	Rep-7	Mean (ug/L)	Mean Accuracy	Standard Deviation	Calc.MDL (ug/L)	Current RL (ug/L)	Comment
			(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)					
1	Dalapon	1.00	0.78	0.77	1.02	0.78	0.81	0.97	0.81	0.85	85%	0.102	0.321	1.00	
2	Dicamba	1.00	1.17	1.26	1.26	1.17	1.17	1.07	1.34	1.21	121%	0.088	0.276	1.00	
3	MCP	100.00	123.97	117.92	103.18	108.23	118.30	102.69	124.89	114.17	114%	9.398	29.538	100.00	
4	MCPA	100.00	98.37	101.30	112.39	92.52	100.15	96.57	117.22	102.65	103%	8.880	27.910	100.00	
5	Dichloroprop	1.00	1.26	1.31	1.36	1.27	1.34	1.28	1.37	1.31	131%	0.045	0.140	1.00	
6	2,4-D	2.00	1.58	1.92	1.92	1.91	1.80	1.68	2.10	1.84	92%	0.173	0.544	2.00	*
7	Pentachlorophenol	2.00	1.58	1.92	1.92	1.91	1.80	1.68	2.10	1.84	92%	0.173	0.544	2.00	*
8	2,4,5-TP (Silvex)	1.00	1.01	1.18	1.17	1.20	1.13	1.10	1.34	1.16	116%	0.101	0.318	1.00	
9	2,4,5-T	1.00	0.86	1.03	1.01	1.06	0.98	0.99	1.17	1.01	101%	0.093	0.293	1.00	
10	2,4-DB	1.00	0.80	0.85	0.81	0.92	0.84	0.95	1.01	0.88	88%	0.079	0.247	1.00	
11	Dinoseb	1.00	0.72	0.92	0.86	0.88	0.82	0.82	0.97	0.86	86%	0.080	0.253	1.00	
12	DCA	1.00	0.90	1.15	1.01	1.14	1.03	1.04	1.19	1.07	107%	0.100	0.316	1.00	
13	IDCAA Surrogate	10.00	8.03	8.81	8.51	8.81	7.59	9.44	9.66	8.69	87%				

Comments: * Co-elution between 2,4-D and Pentachlorophenol on Channel A, Report from Channel B

Approved

Determination of Method Detection Limits

Lab Name: Alpha Woods Hole Labs

Page 2 of 2
Tech: JB
Date: 2/27/2007
Instrument ID: Pest 8
Prep Method: 3510C
Prepared By: CA, SR

Method: EPA 8151A Liquid 2007

GC Sep. Funnel Herbicides Channels A & B

Table (MDL)		Data File	T value used for calculating MDL: 3.143													
No.	Analytes Channel B	Date Analy	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	Mean (ug/L)	Mean Accuracy	Standard Deviation	Calc.MDL (ug/L)	Current RL (ug/L)	Comment	
		Target Conc. (ug/L)	Rep-1 (ug/L)	Rep-2 (ug/L)	Rep-3 (ug/L)	Rep-4 (ug/L)	Rep-5 (ug/L)	Rep-6 (ug/L)	Rep-7 (ug/L)							
1	Dalapon	1.00	1.32	1.31	1.32	1.11	1.21	1.24	1.09	1.23	123%	0.098	0.307	1.00		
2	Dicamba	1.00	0.95	1.06	1.08	1.06	1.04	0.94	1.04	1.02	102%	0.056	0.176	1.00		
3	MCPB	100.00	71.50	79.13	93.21	87.38	85.55	102.38	87.62	86.68	87%	9.825	30.881	100.00		
4	MCPA	100.00	90.35	96.40	109.44	97.26	113.88	90.66	103.24	100.18	100%	9.063	28.486	100.00		
5	Dichloroprop	1.00	1.28	1.47	1.19	1.25	1.27	1.41	1.28	1.31	131%	0.097	0.306	1.00		
6	2,4-D	1.00	0.95	1.06	1.05	1.13	1.15	0.95	0.99	1.04	104%	0.081	0.255	1.00		
7	Pentachlorophenol	1.00	0.73	0.87	0.89	0.84	0.84	0.71	0.94	0.83	83%	0.084	0.263	1.00		
8	2,4,5-TP (Silvex)	1.00	1.02	1.21	1.21	1.17	1.09	1.04	1.28	1.15	115%	0.097	0.306	1.00		
9	2,4,5-T	1.00	1.15	1.21	1.18	1.27	1.28	1.30	1.45	1.26	126%	0.099	0.312	1.00		
10	2,4-DB	2.00	1.60	1.84	1.83	2.08	1.80	1.60	1.96	1.82	91%	0.175	0.552	2.00	*	
11	Dinoseb	2.00	1.60	1.84	1.83	2.08	1.80	1.60	1.96	1.82	91%	0.175	0.552	2.00	*	
12	DCCA	1.00	1.01	1.21	1.13	1.24	1.12	1.00	1.24	1.14	114%	0.101	0.319	1.00		
13	DCAA Surrogate	10.00	8.11	8.81	8.94	8.96	8.61	7.78	9.34	8.65	87%					

Comments: * Co-elution on Channel B between 2,4-DB and Dinoseb, Report from Channel A

Herbicide Sample Data

1D
GC ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Sample wt/vol: 1000 (g/mL) ml

% Solids: N/A

Extraction: (Type) EPA 8151A

Concentrated Extract Volume: 10000(uL)

Injection Volume: 1 (uL)

GPC Cleanup: (Y/N) N

Conc. Units: ug/L

CAS NO.

COMPOUND

GC Column: RTX-5

Lab Sample ID: L1013017-01

Lab File ID: 0831B006

Date Received: 08/23/10

Date Extracted: 27-AUG-10

Date Analyzed: 08/31/10 08:18

Dilution Factor: 1

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	Result	RL	MDL	Q
94-75-7-----	2,4-D	ND	10.0	--	U
93-76-5-----	2,4,5-T	ND	2.00	--	U
93-72-1-----	2,4,5-TP (Silvex)	ND	2.00	--	U

FORM I HERB-APA

1D
GC ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429737-1BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Sample wt/vol: 1000 (g/mL) ml

% Solids: N/A

Extraction: (Type) EPA 8151A

Concentrated Extract Volume: 10000(uL)

Injection Volume: 1 (uL)

GPC Cleanup: (Y/N) N

Conc. Units: ug/L

CAS NO.

COMPOUND

GC Column: RTX-5

Lab Sample ID: WG429737-1

Lab File ID: 0831B003

Date Received:

Date Extracted: 27-AUG-10

Date Analyzed: 08/31/10 07:19

Dilution Factor: 1

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	Result	RL	MDL	Q
94-75-7-----	2,4-D	ND	10.0	--	U
93-76-5-----	2,4,5-T	ND	2.00	--	U
93-72-1-----	2,4,5-TP (Silvex)	ND	2.00	--	U

FORM I HERB-APA

Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\0831A006.D
 Lab Smp Id:
 Inj Date : 31-AUG-2010 08:18
 Operator : sh Inst ID: Pest8.i
 Smp Info : l1013017-01,42
 Misc Info : wg430105, wg429737, ICAL5298
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
 Meth Date : 31-Aug-2010 06:59 shaggart Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NA006.D
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151APA.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

Compounds					CONCENTRATIONS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng/mL)	FINAL (ng)	
=====	====	=====	=====	=====	=====	=====	=====
\$ 4 DCAA	9.766	9.775	(0.928)	1024048	0.76955	0.770	
* 10 DBOB	10.524	10.533	(1.000)	3005507	0.25000		
9 2,4-D				Compound Not Detected.			
12 2,4,5-TP (Silvex)				Compound Not Detected.			
14 2,4,5-T				Compound Not Detected.			

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i
 Lab File ID: 0831A006.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
 Misc Info: wg430105, wg429737, ICAL5298

Calibration Date: 31-AUG-2010
 Calibration Time: 06:34
 Level: LOW
 Sample Type: SOIL

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2877136	1438568	5754272	3005507	4.46

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.52	-0.08

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa24827
Sample Matrix: SOLID Fraction: OTHER
Lab Smp Id:
Level: LOW Operator: sh
Data Type: GC DATA SampleType: SAMPLE
SpikeList File: 8151APALCS.spk Quant Type: ISTD
Sublist File: 8151APA.sub
Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
Misc Info: wg430105, wg429737, ICAL5298

SURROGATE COMPOUND	AMOUNT ADDED ng/mL	AMOUNT RECOVERED ng/mL	% RECOVERED	LIMITS
\$ 4 DCAA	1.00	0.770	76.95	30-150

Data File: \\Drgera1\ee\chem\GCEXT\Pest8.i\100831a,b\0831A006.D

Date : 31-AUG-2010 08:18

Client ID:

Sample Info: 11013017-01,42

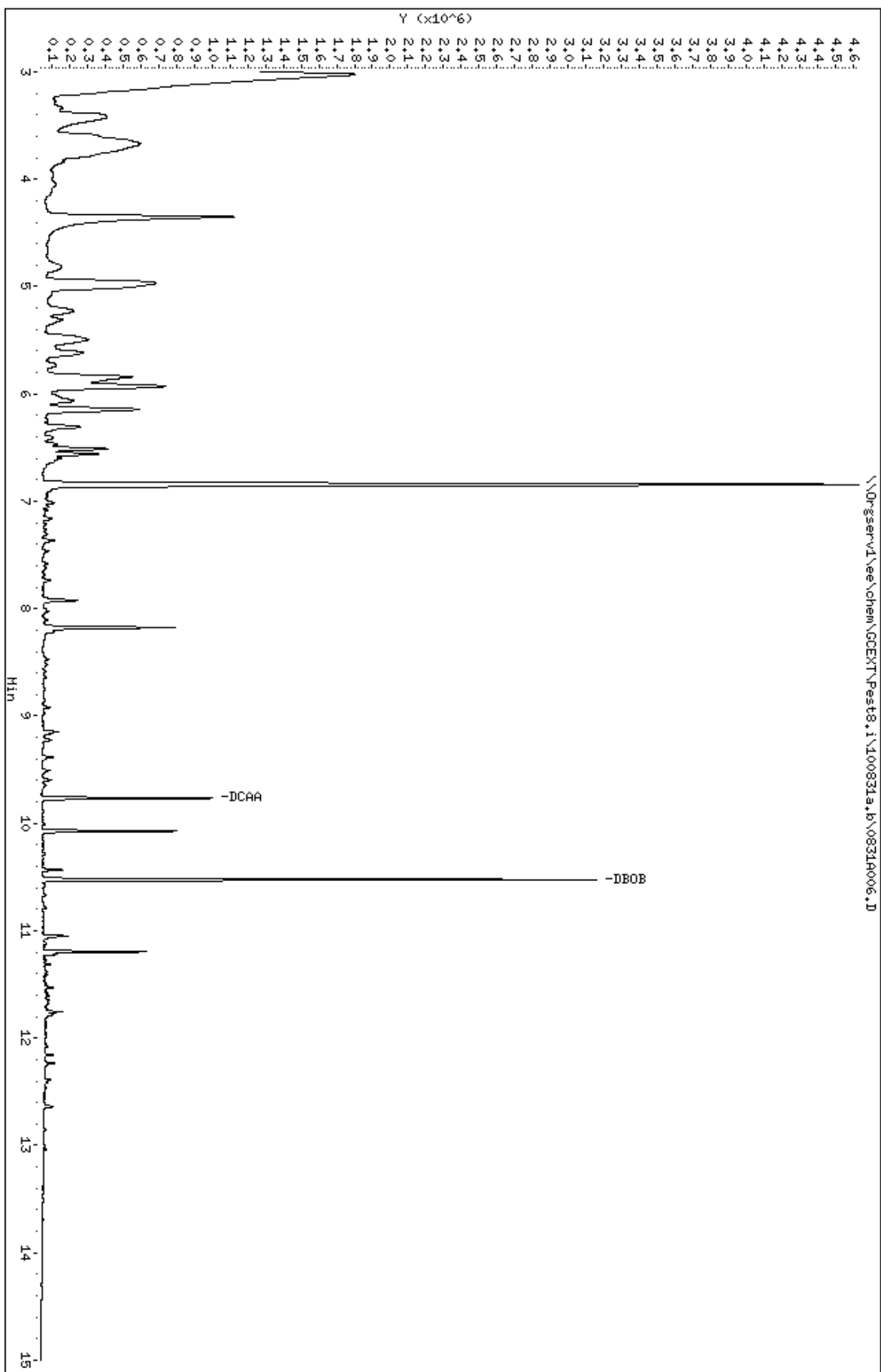
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

Page 4



Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\0831B006.D
 Lab Smp Id:
 Inj Date : 31-AUG-2010 08:18
 Operator : sh Inst ID: Pest8.i
 Smp Info : l1013017-01,42
 Misc Info : wg430105, wg429737, ICAL5299
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
 Meth Date : 31-Aug-2010 06:53 shaggart Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NB06.D
 Als bottle: 56
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151APA.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

Compounds					CONCENTRATIONS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng/mL)	FINAL (ng)	
=====	====	=====	=====	=====	=====	=====	=====
\$ 4 DCAA	9.193	9.198	(0.905)	923056	0.76965	0.770	
* 10 DBOB	10.162	10.166	(1.000)	3370031	0.25000		
9 2,4-D	Compound Not Detected.						
12 2,4,5-TP (Silvex)	Compound Not Detected.						
14 2,4,5-T	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest8.i
Lab File ID: 0831B006.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
Misc Info: wg430105, wg429737, ICAL5299

Calibration Date: 31-AUG-2010
Calibration Time: 06:34
Level: LOW
Sample Type: SOIL

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3690673	1845337	7381346	3370031	-8.69

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.17	9.67	10.67	10.16	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa24827
Sample Matrix: SOLID Fraction: OTHER
Lab Smp Id:
Level: LOW Operator: sh
Data Type: GC DATA SampleType: SAMPLE
SpikeList File: 8151APALCS.spk Quant Type: ISTD
Sublist File: 8151APA.sub
Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
Misc Info: wg430105, wg429737, ICAL5299

SURROGATE COMPOUND	AMOUNT ADDED ng/mL	AMOUNT RECOVERED ng/mL	% RECOVERED	LIMITS
\$ 4 DCAA	1.00	0.770	76.97	30-150

Data File: \\Drger\serv1\ee\chem\GCEXT\Fest8.i\100831b,b\0831B006.D

Date : 31-AUG-2010 08:18

Client ID:

Sample Info: 11013017-01.42

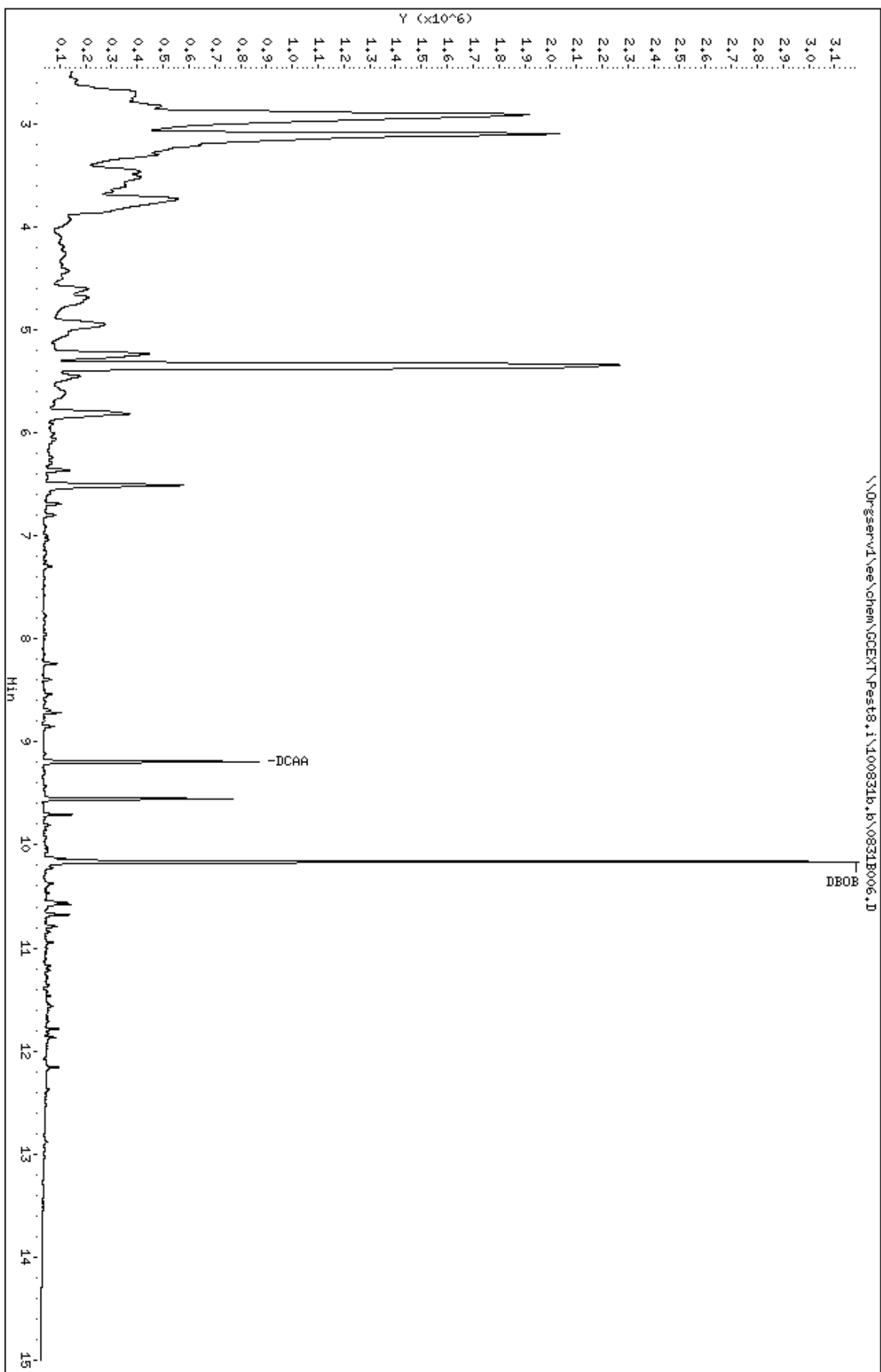
Column phase:

Instrument: Fest8.i

Operator: sh

Column diameter: 2.00

Page 4



Herbicides Standards Data

Initial Calibration

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST8.I Calibration Date(s): 26-AUG-2010 30-AUG-2010

Calibration Times: 16:03 12:55

Calibration File Names:

Level 1: \\Orgserv1\ee\chem\GCEXT\PEst8.i\100830na.b\0830NA01.D
 Level 2: \\Orgserv1\ee\chem\GCEXT\PEst8.i\100830na.b\0830NA02.D
 Level 3: \\Orgserv1\ee\chem\GCEXT\PEst8.i\100830na.b\0830NA03.D
 Level 4: \\Orgserv1\ee\chem\GCEXT\PEst8.i\100830na.b\0830NA04.D
 Level 5: \\Orgserv1\ee\chem\GCEXT\PEst8.i\100830na.b\0830NA05.D
 Level 6: \\Orgserv1\ee\chem\GCEXT\PEst8.i\100830na.b\0830NA06.D

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
1 Dalapon	0.21221	0.20319	0.19808	0.18759	0.17892	0.18662	AVRG		0.19444		6.31665
2 3,5-Dichlorobenzoic acid	0.19177	0.18676	0.18238	0.17146	0.15832	0.15110	AVRG		0.17363		9.37380
3 4-Nitrophenol	0.07980	0.06957	0.06807	0.06497	0.06206	0.06207	AVRG		0.06776		9.81131
5 Dicamba	0.43167	0.41417	0.42436	0.41029	0.37575	0.34566	AVRG		0.40032		8.24195
6 MCPP	0.00053	0.00043	0.00042	0.00040	0.00039	0.00040	AVRG		0.00043		12.06298
7 MCPA	0.00058	0.00049	0.00049	0.00048	0.00048	0.00051	AVRG		0.00051		7.73955
8 Dichloroprop	+++++	0.08515	0.09296	0.09541	0.09447	0.09686	AVRG		0.09297		4.94512
9 2,4-D	0.07021	0.06098	0.07787	0.08984	0.09503	0.10222	AVRG		0.08269		19.00766
11 Pentachlorophenol	1.49999	1.47541	1.42091	1.21195	0.98900	+++++	AVRG		1.31945		16.42921
12 2,4,5-TP (Silvex)	0.43986	0.39425	0.45768	0.46646	0.43827	0.40732	AVRG		0.43397		6.48394
14 2,4,5-T	119414	197146	572692	1769885	3762088	+++++	LINR	0.15567	0.32117		0.99898
13 Chloramben	98846	161293	439485	1329940	2956639	6040065	LINR	0.19971	0.25989		0.99929
15 2,4-DB	+++++	29147	73602	222817	535727	1244243	LINR	0.45641	0.05459		0.99420
16 Dinoseb	45107	90966	267524	945631	2339519	5122577	LINR	0.36028	0.22287		0.99639

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST8.I Calibration Date(s): 26-AUG-2010 30-AUG-2010

Calibration Times: 16:03 12:55

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
17 Bentazon	0.04279	0.02979	0.03295	0.03659	0.04029	0.04598	AVRG		0.03807		16.06017
19 DCPA	69334	86799	269129	1042618	2977239	7194233	LINR	0.50680	0.31551		0.98826
18 Picloram	26733	35282	111804	475152	1552466	4540894	LINR	0.69815	0.20167		0.96959
20 Acifluorfen	13470	21055	21661	64486	266768	1146143	LINR	0.92422	0.05228		0.91919
\$ 4 DCAA	0.09538	0.12099	0.12030	0.11261	0.10760	0.10726	AVRG		0.11069		8.64360

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST8.I Calibration Date(s): 26-AUG-2010 30-AUG-2010

Calibration Times: 16:03 12:55

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST8.I Calibration Date(s): 09-AUG-2010 30-AUG-2010

Calibration Times: 16:31 12:55

Calibration File Names:

Level 1: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB01.D
 Level 2: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB02.D
 Level 3: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB03.D
 Level 4: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB04.D
 Level 5: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB05.D
 Level 6: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB06.D

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
1 Dalapon	0.15565	0.14574	0.14720	0.14529	0.14075	0.14958	AVRG		0.14737		3.38180
2 3,5-Dichlorobenzoic acid	0.15196	0.14941	0.14693	0.13890	0.12920	0.12308	AVRG		0.13991		8.35964
3 4-Nitrophenol	0.05173	0.05602	0.05383	0.04999	0.04809	0.04794	AVRG		0.05127		6.30404
5 Dicamba	0.41742	0.33954	0.35332	0.34321	0.32128	0.29990	AVRG		0.34578		11.52465
6 MCPP	0.00037	0.00025	0.00028	0.00030	0.00030	0.00032	AVRG		0.00030		13.19655
7 MCPA	0.00040	0.00031	0.00035	0.00036	0.00036	0.00037	AVRG		0.00036		7.66795
8 Dichloroprop	0.07287	0.07007	0.07845	0.07892	0.07701	0.07860	AVRG		0.07599		4.82620
9 2,4-D	47870	81460	230278	671483	1328225	2711761	LINR	0.13957	0.09075		0.99972
11 Pentachlorophenol	1.40189	1.41371	1.43335	1.25547	1.05995	+++++	AVRG		1.31287		12.03563
12 2,4,5-TP (Silvex)	0.35791	0.32951	0.40821	0.41848	0.38963	0.36184	AVRG		0.37760		8.94247
13 Chlорamben	108431	177867	495099	1504194	3019570	6252987	LINR	0.17102	0.20960		0.99947
14 2,4,5-T	162631	287726	856918	2616560	5152005	10233782	LINR	0.12838	0.34394		0.99979
15 2,4-DB	+++++	24070	69935	270789	627562	1446149	LINR	0.49413	0.05003		0.99605
16 Dinoseb	64452	137709	390270	1280827	2858797	6159555	LINR	0.29451	0.20846		0.99797

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST8.I Calibration Date(s): 09-AUG-2010 30-AUG-2010

Calibration Times: 16:31 12:55

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
17 Bentazon	0.02676	0.02119	0.02802	0.03042	0.03124	0.03690	AVRG		0.02909		17.95985
18 Picloram	25180	38202	137273	678572	2015847	+++++	LINR	0.42531	0.14118		0.97545
19 DCPA	0.07678	0.05582	0.08891	0.14412	0.19269	+++++	AVRG		0.11166		50.00600
20 Acifluorfen	0.00467	0.00325	0.00468	0.01116	0.02084	0.05044	AVRG		0.01584		115
\$ 4 DCAA	0.07500	0.09806	0.09832	0.09066	0.08626	0.08551	AVRG		0.08897		9.89400

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST8.I Calibration Date(s): 09-AUG-2010 30-AUG-2010

Calibration Times: 16:31 12:55

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

FORM VI-GC SEMI

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 26-AUG-2010 16:03
 End Cal Date : 30-AUG-2010 12:55
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
 Cal Date : 30-Aug-2010 16:58 shaggart

Calibration File Names:

Level 1: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NA01.D
 Level 2: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NA02.D
 Level 3: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NA03.D
 Level 4: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NA04.D
 Level 5: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NA05.D
 Level 6: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NA06.D

	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000		Coefficients			%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
1 Dalapon	0.21221	0.20319	0.19808	0.18759	0.17892	0.18662	AVRG		0.19444		6.31665
2 3,5-Dichlorobenzoic acid	0.19177	0.18676	0.18238	0.17146	0.15832	0.15110	AVRG		0.17363		9.37380
3 4-Nitrophenol	0.07980	0.06957	0.06807	0.06497	0.06206	0.06207	AVRG		0.06776		9.81131
5 Dicamba	0.43167	0.41417	0.42436	0.41029	0.37575	0.34566	AVRG		0.40032		8.24195
6 MCPP	0.00053	0.00043	0.00042	0.00040	0.00039	0.00040	AVRG		0.00043		12.06298
7 MCPA	0.00058	0.00049	0.00049	0.00048	0.00048	0.00051	AVRG		0.00051		7.73955
8 Dichloroprop	+++++	0.08515	0.09296	0.09541	0.09447	0.09686	AVRG		0.09297		4.94512
9 2,4-D	0.07021	0.06098	0.07787	0.08984	0.09503	0.10222	AVRG		0.08269		19.00766
11 Pentachlorophenol	1.49999	1.47541	1.42091	1.21195	0.98900	+++++	AVRG		1.31945		16.42921
12 2,4,5-TP (Silvex)	0.43986	0.39425	0.45768	0.46646	0.43827	0.40732	AVRG		0.43397		6.48394
14 2,4,5-T	119414	197146	572692	1769885	3762088	+++++	LINR	0.15567	0.32117		0.99898
13 Chloramfen	98846	161293	439485	1329940	2956639	6040065	LINR	0.19971	0.25989		0.99929
15 2,4-DB	+++++	29147	73602	222817	535727	1244243	LINR	0.45641	0.05459		0.99420
16 Dinoseb	45107	90966	267524	945631	2339519	5122577	LINR	0.36028	0.22287		0.99639

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 26-AUG-2010 16:03
End Cal Date : 30-AUG-2010 12:55
Quant Method : ISTD
Target Version : 4.12
Integrator : Falcon
Method file : \\Orgserv1\\ee\\chem\\GCEXT\\Pest8.i\\100830na.b\\8151Aherb8a.m
Cal Date : 30-Aug-2010 16:58 shaggart

	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000		Coefficients			%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
17 Bentazon	0.04279	0.02979	0.03295	0.03659	0.04029	0.04598	AVRG		0.03807		16.06017
19 DCPA	69334	86799	269129	1042618	2977239	7194233	LINR	0.50680	0.31551		0.98826 <-
18 Picloram	26733	35282	111804	475152	1552466	4540894	LINR	0.69815	0.20167		0.96959 <-
20 Acifluorfen	13470	21055	21661	64486	266768	1146143	LINR	0.92422	0.05228		0.91919 <-
\$ 4 DCAA	0.09538	0.12099	0.12030	0.11261	0.10760	0.10726	AVRG		0.11069		8.64360

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 26-AUG-2010 16:03
End Cal Date : 30-AUG-2010 12:55
Quant Method : ISTD
Target Version : 4.12
Integrator : Falcon
Method file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
Cal Date : 30-Aug-2010 16:58 shaggart

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\0830NA01.D
Lab Smp Id:
Inj Date : 30-AUG-2010 11:15
Operator : sh Inst ID: Pest8.i
Smp Info : herb l1
Misc Info : wg429750, wg428877, ICAL5292
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\8151Aherb8a.m
Meth Date : 30-Aug-2010 13:44 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 12:55 Cal File: 0830NA06.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.226	4.226	(0.401)	126439	0.05000	0.0701	
2 3,5-Dichlorobenzoic acid	8.874	8.874	(0.843)	114259	0.05000	0.0552	
3 4-Nitrophenol	9.603	9.603	(0.912)	47546	0.05000	0.0589	
\$ 4 DCAA	9.773	9.773	(0.928)	4546253	4.00000	3.45	
5 Dicamba	9.942	9.942	(0.944)	257198	0.05000	0.0539	
6 MCPP	10.047	10.047	(0.954)	31515	5.00000	6.19	
7 MCPA	10.233	10.233	(0.972)	34851	5.00000	5.77	
8 Dichloroprop	10.442	10.442	(0.992)	93198	0.05000	0.0841	
* 10 DBOB	10.532	10.532	(1.000)	2979078	0.25000		
9 2,4-D	10.670	10.670	(1.013)	41832	0.05000	0.0424	
11 Pentachlorophenol	10.776	10.776	(1.023)	893717	0.05000	0.0568	
12 2,4,5-TP (Silvex)	11.083	11.083	(1.052)	262074	0.05000	0.0507	
14 2,4,5-T	11.320	11.320	(1.075)	119414	0.05000	0.0701	
15 2,4-DB	11.536	11.536	(1.095)	17898	0.05000	0.146	
13 Chloramben	11.572	11.572	(1.099)	99265	0.05000	0.0868	
16 Dinoseb	11.859	11.859	(1.126)	45107	0.05000	0.107	
17 Bentazon	12.000	12.000	(1.139)	25497	0.05000	0.0562	
19 DCPA	12.093	12.093	(1.148)	69334	0.05000	0.145	
18 Picloram	12.427	12.427	(1.180)	26733	0.05000	0.186	
20 Acifluorfen	13.530	13.530	(1.285)	13470	0.05000	0.253	

Alpha Analytical Labs

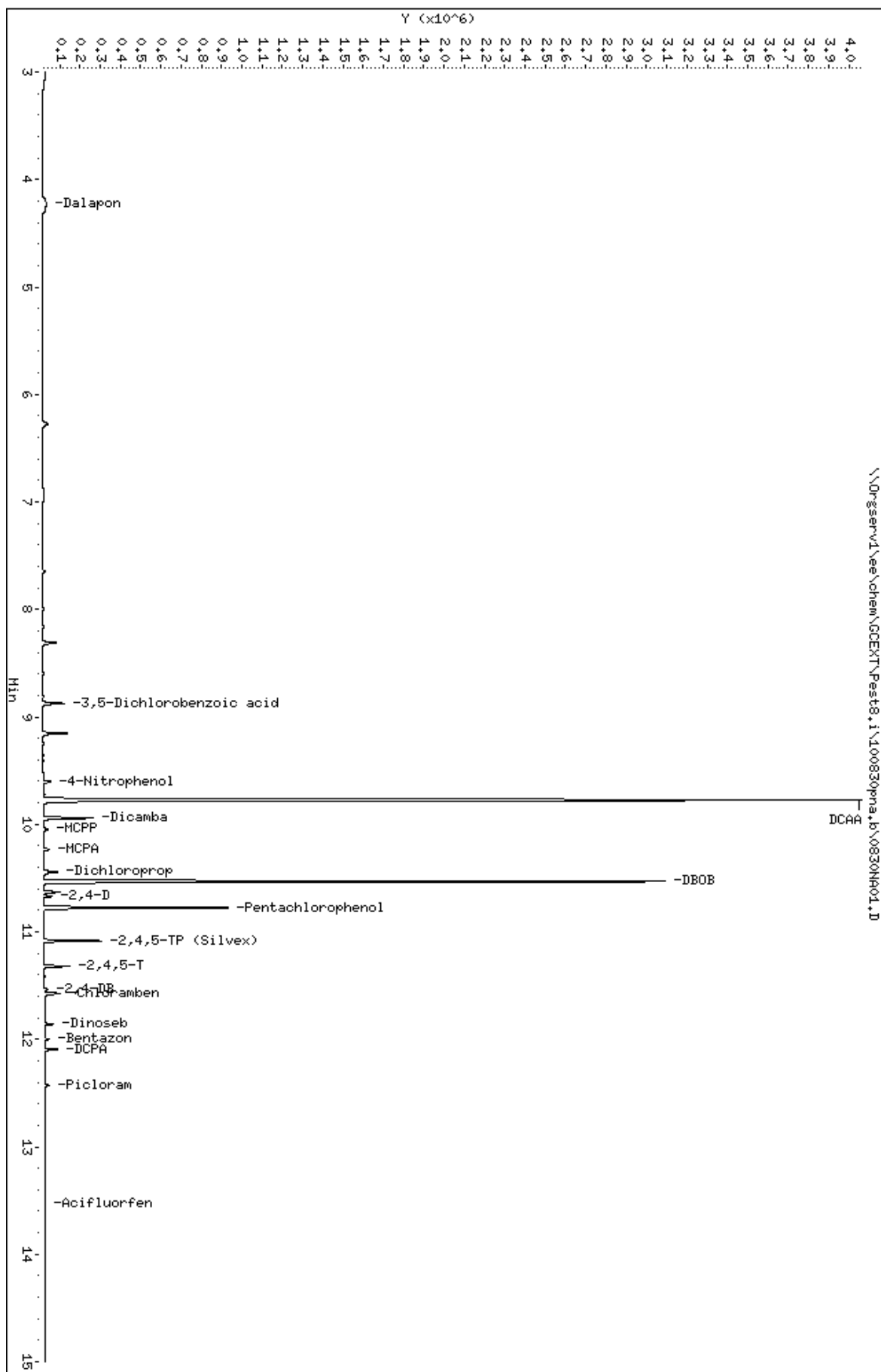
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NA01.D Calibration Time: 13:15
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\8151Aherb8a.m
 Misc Info: wg429750, wg428877, ICAL5292

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2670025	1335013	5340050	2979078	11.57

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	0.06

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NA01.D
Lab Smp Id:
Inj Date : 30-AUG-2010 11:15
Operator : sh Inst ID: Pest8.i
Smp Info : herb l1
Misc Info : wg429750, wg428877, ICAL5292
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
Meth Date : 30-Aug-2010 13:42 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 12:55 Cal File: 0830NA06.D
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.226	4.226	(0.401)	126439	0.05000	0.0546	
2 3,5-Dichlorobenzoic acid	8.874	8.874	(0.843)	114259	0.05000	0.0552	
3 4-Nitrophenol	9.603	9.603	(0.912)	47546	0.05000	0.0589	
\$ 4 DCAA	9.773	9.773	(0.928)	4546253	4.00000	3.45	
5 Dicamba	9.942	9.942	(0.944)	257198	0.05000	0.0539	
6 MCPP	10.047	10.047	(0.954)	31515	5.00000	6.19	
7 MCPA	10.233	10.233	(0.972)	34851	5.00000	5.77	
8 Dichloroprop	10.442	10.442	(0.992)	93198	0.05000	0.0841	
* 10 DBOB	10.532	10.532	(1.000)	2979078	0.25000		
9 2,4-D	10.670	10.670	(1.013)	41832	0.05000	0.0424	
11 Pentachlorophenol	10.776	10.776	(1.023)	893717	0.05000	0.0568	
12 2,4,5-TP (Silvex)	11.083	11.083	(1.052)	262074	0.05000	0.0507	
14 2,4,5-T	11.320	11.320	(1.075)	119414	0.05000	0.0701	
15 2,4-DB	11.536	11.536	(1.095)	17805	0.05000	0.141(M)	M4
13 Chloramben	11.572	11.572	(1.099)	98846	0.05000	0.0818(M)	M4
16 Dinoseb	11.859	11.859	(1.126)	45107	0.05000	0.107	
17 Bentazon	12.000	12.000	(1.139)	25497	0.05000	0.0562	
19 DCPA	12.093	12.093	(1.148)	69334	0.05000	0.145	
18 Picloram	12.427	12.427	(1.180)	26733	0.05000	0.186	
20 Acifluorfen	13.530	13.530	(1.285)	13470	0.05000	0.253	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NA01.D Calibration Time: 13:15
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
 Misc Info: wg429750, wg428877, ICAL5292

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2670025	1335013	5340050	2979078	11.57

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	0.06

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest8.i\100830na,b\0830NP01.D

Date : 30-AUG-2010 11:15

Client ID:

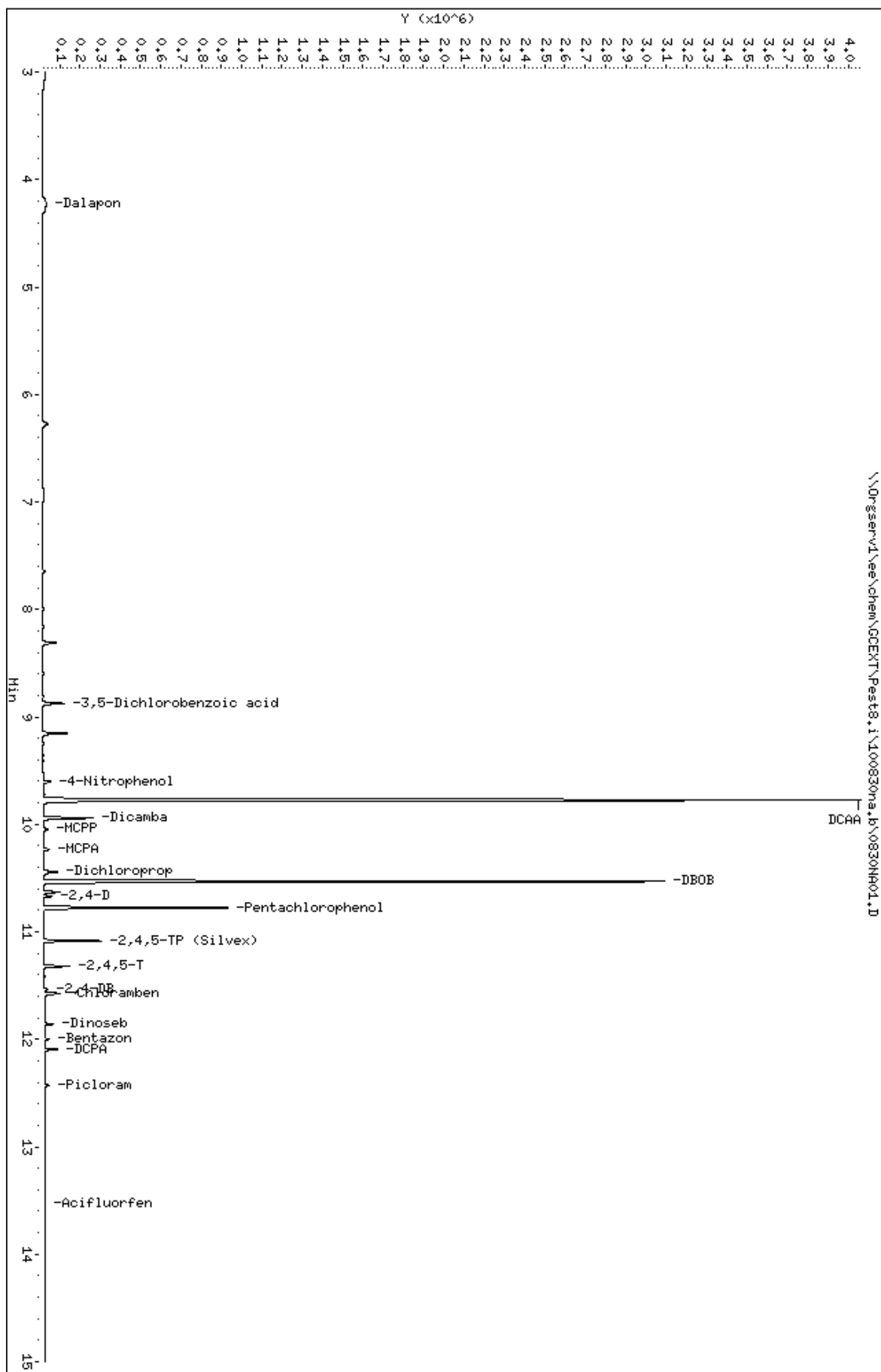
Sample Info: herb 11

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

Column phase:



Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\0830NA02.D
Lab Smp Id:
Inj Date : 30-AUG-2010 11:35
Operator : sh Inst ID: Pest8.i
Smp Info : herb l2
Misc Info : wg429750, wg428877, ICAL5292
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\8151Aherb8a.m
Meth Date : 30-Aug-2010 13:44 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 11:15 Cal File: 0830NA01.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.207	4.207	(0.400)	240723	0.10000	0.134	
2 3,5-Dichlorobenzoic acid	8.868	8.868	(0.843)	221268	0.10000	0.108	
3 4-Nitrophenol	9.598	9.598	(0.912)	82422	0.10000	0.103	
\$ 4 DCAA	9.767	9.767	(0.928)	143337	0.10000	0.109	
5 Dicamba	9.936	9.936	(0.944)	490686	0.10000	0.103	
6 MCPP	10.041	10.041	(0.954)	50502	10.0000	9.97	
7 MCPA	10.228	10.228	(0.972)	58472	10.0000	9.74	
8 Dichloroprop	10.438	10.438	(0.992)	100876	0.10000	0.0916	
* 10 DBOB	10.526	10.526	(1.000)	2961867	0.25000		
9 2,4-D	10.663	10.663	(1.013)	72241	0.10000	0.0737	
11 Pentachlorophenol	10.770	10.770	(1.023)	1747982	0.10000	0.112	
12 2,4,5-TP (Silvex)	11.076	11.076	(1.052)	467084	0.10000	0.0908	
14 2,4,5-T	11.311	11.311	(1.075)	197146	0.10000	0.0907	
15 2,4-DB	11.526	11.526	(1.095)	29200	0.10000	0.164	
13 Chloramben	11.562	11.562	(1.098)	162064	0.10000	0.107	
16 Dinoseb	11.848	11.848	(1.126)	90966	0.10000	0.124	
17 Bentazon	11.988	11.988	(1.139)	35292	0.10000	0.0782	
19 DCPA	12.081	12.081	(1.148)	86799	0.10000	0.150	
18 Picloram	12.415	12.415	(1.179)	35282	0.10000	0.189	
20 Acifluorfen	13.512	13.512	(1.284)	21055	0.10000	0.265	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NA02.D Calibration Time: 13:15
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\8151Aherb8a.m
 Misc Info: wg429750, wg428877, ICAL5292

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2670025	1335013	5340050	2961867	10.93

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\rd\ee\chem\GCEXT\Pest8.i\100830pna,b\0830H402.D

Date : 30-AUG-2010 11:35

Client ID:

Sample Info: herb 12

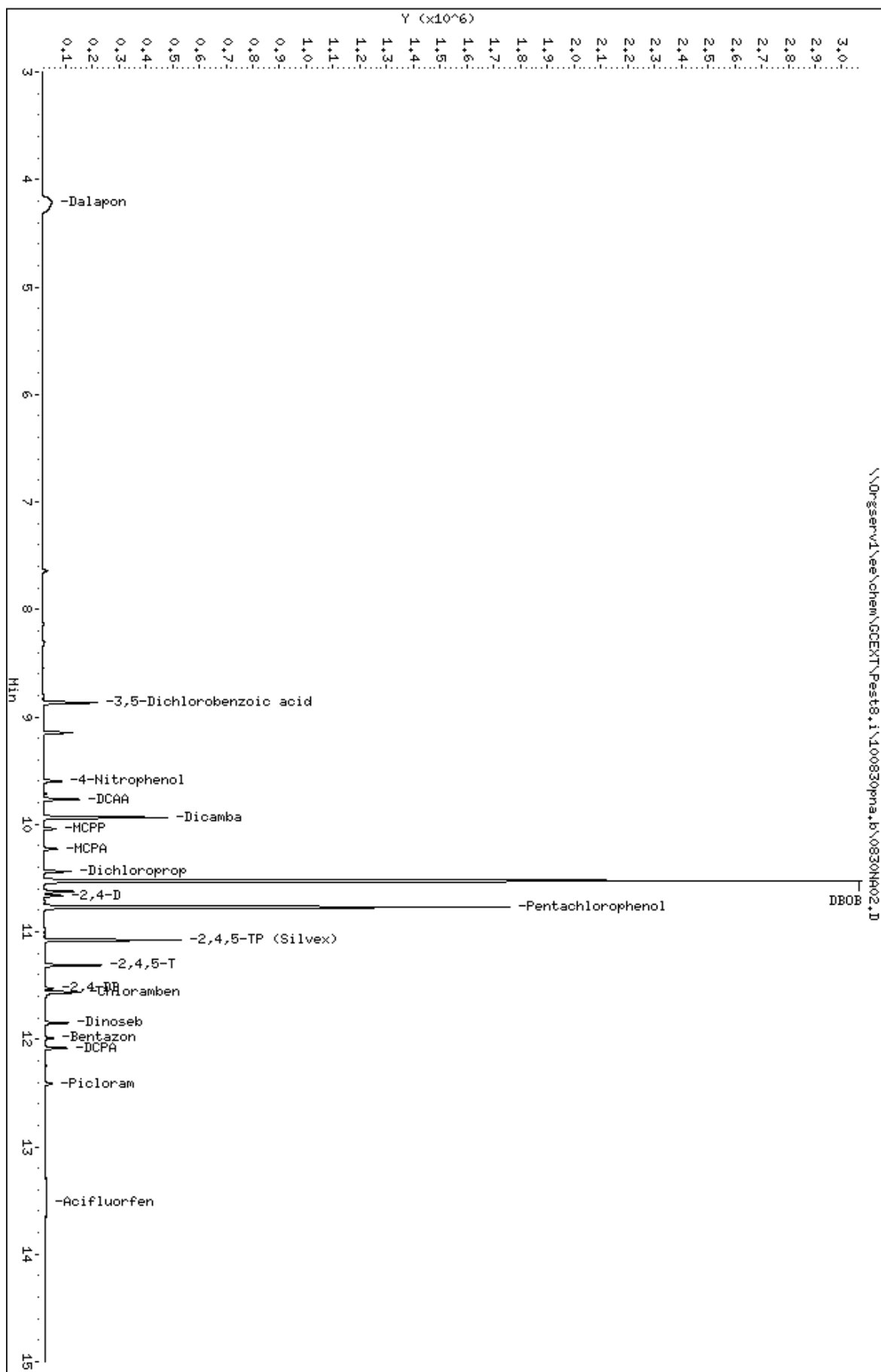
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NA02.D
Lab Smp Id:
Inj Date : 30-AUG-2010 11:35
Operator : sh Inst ID: Pest8.i
Smp Info : herb l2
Misc Info : wg429750, wg428877, ICAL5292
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
Meth Date : 30-Aug-2010 13:42 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 11:15 Cal File: 0830NA01.D
Als bottle: 2 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.207	4.207	(0.400)	240723	0.10000	0.104	
2 3,5-Dichlorobenzoic acid	8.868	8.868	(0.843)	221268	0.10000	0.108	
3 4-Nitrophenol	9.598	9.598	(0.912)	82422	0.10000	0.103	
\$ 4 DCAA	9.767	9.767	(0.928)	143337	0.10000	0.109	
5 Dicamba	9.936	9.936	(0.944)	490686	0.10000	0.103	
6 MCPP	10.041	10.041	(0.954)	50502	10.0000	9.97	
7 MCPA	10.228	10.228	(0.972)	58472	10.0000	9.74	
8 Dichloroprop	10.438	10.438	(0.992)	100876	0.10000	0.0916	
* 10 DBOB	10.526	10.526	(1.000)	2961867	0.25000		
9 2,4-D	10.663	10.663	(1.013)	72241	0.10000	0.0737	
11 Pentachlorophenol	10.770	10.770	(1.023)	1747982	0.10000	0.112	
12 2,4,5-TP (Silvex)	11.076	11.076	(1.052)	467084	0.10000	0.0908	
14 2,4,5-T	11.311	11.311	(1.075)	197146	0.10000	0.0907	
15 2,4-DB	11.526	11.526	(1.095)	29147	0.10000	0.159(M)	M4
13 Chloramben	11.562	11.562	(1.098)	161293	0.10000	0.102(M)	M4
16 Dinoseb	11.848	11.848	(1.126)	90966	0.10000	0.124	
17 Bentazon	11.988	11.988	(1.139)	35292	0.10000	0.0782	
19 DCPA	12.081	12.081	(1.148)	86799	0.10000	0.150	
18 Picloram	12.415	12.415	(1.179)	35282	0.10000	0.189	
20 Acifluorfen	13.512	13.512	(1.284)	21055	0.10000	0.265	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NA02.D Calibration Time: 13:15
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
 Misc Info: wg429750, wg428877, ICAL5292

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2670025	1335013	5340050	2961867	10.93

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NP02.D

Date : 30-AUG-2010 11:35

Client ID:

Sample Info: herb 12

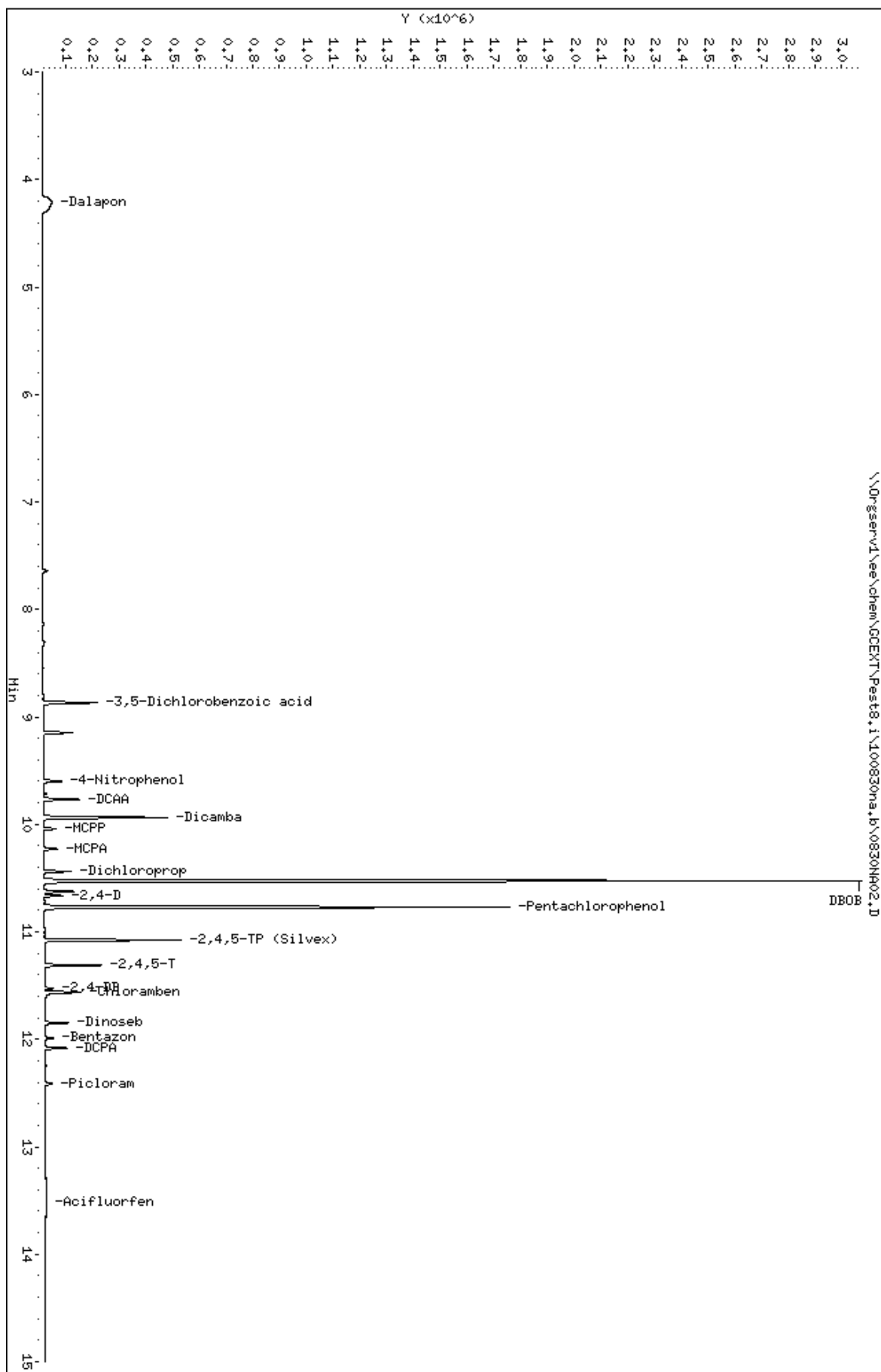
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\0830NA03.D
Lab Smp Id:
Inj Date : 30-AUG-2010 11:55
Operator : sh Inst ID: Pest8.i
Smp Info : herb l3
Misc Info : wg429750, wg428877, ICAL5292
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\8151Aherb8a.m
Meth Date : 30-Aug-2010 13:44 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 11:35 Cal File: 0830NA02.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.210	4.210	(0.400)	88975	0.20000	0.0494	
2 3,5-Dichlorobenzoic acid	8.868	8.868	(0.843)	433942	0.20000	0.210	
3 4-Nitrophenol	9.598	9.598	(0.912)	161963	0.20000	0.201	
\$ 4 DCAA	9.767	9.767	(0.928)	286232	0.20000	0.217	
5 Dicamba	9.936	9.936	(0.944)	1009700	0.20000	0.212	
6 MCPP	10.042	10.042	(0.954)	99560	20.0000	19.6	
7 MCPA	10.229	10.229	(0.972)	117076	20.0000	19.4	
8 Dichloroprop	10.439	10.439	(0.992)	221181	0.20000	0.200	
* 10 DBOB	10.525	10.525	(1.000)	2974209	0.25000		
9 2,4-D	10.663	10.663	(1.013)	185289	0.20000	0.188	
11 Pentachlorophenol	10.769	10.769	(1.023)	3380860	0.20000	0.215	
12 2,4,5-TP (Silvex)	11.074	11.074	(1.052)	1088989	0.20000	0.211	
14 2,4,5-T	11.309	11.309	(1.074)	572692	0.20000	0.189	
15 2,4-DB	11.524	11.524	(1.095)	73357	0.20000	0.230	
13 Chloramben	11.560	11.560	(1.098)	439609	0.20000	0.194	
16 Dinoseb	11.844	11.844	(1.125)	267524	0.20000	0.191	
17 Bentazon	11.985	11.985	(1.139)	78400	0.20000	0.173	
19 DCPA	12.078	12.078	(1.147)	269129	0.20000	0.198	
18 Picloram	12.410	12.410	(1.179)	111804	0.20000	0.221	
20 Acifluorfen	13.509	13.509	(1.283)	21661	0.20000	0.266	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NA03.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\8151Aherb8a.m
 Misc Info: wg429750, wg428877, ICAL5292

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2974209	1487105	5948418	2974209	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\serv1\ee\chem\GC\EXT\Pest8.i\100830pna,b\0830H403.D

Date : 30-AUG-2010 11:55

Client ID:

Sample Info: herb 13

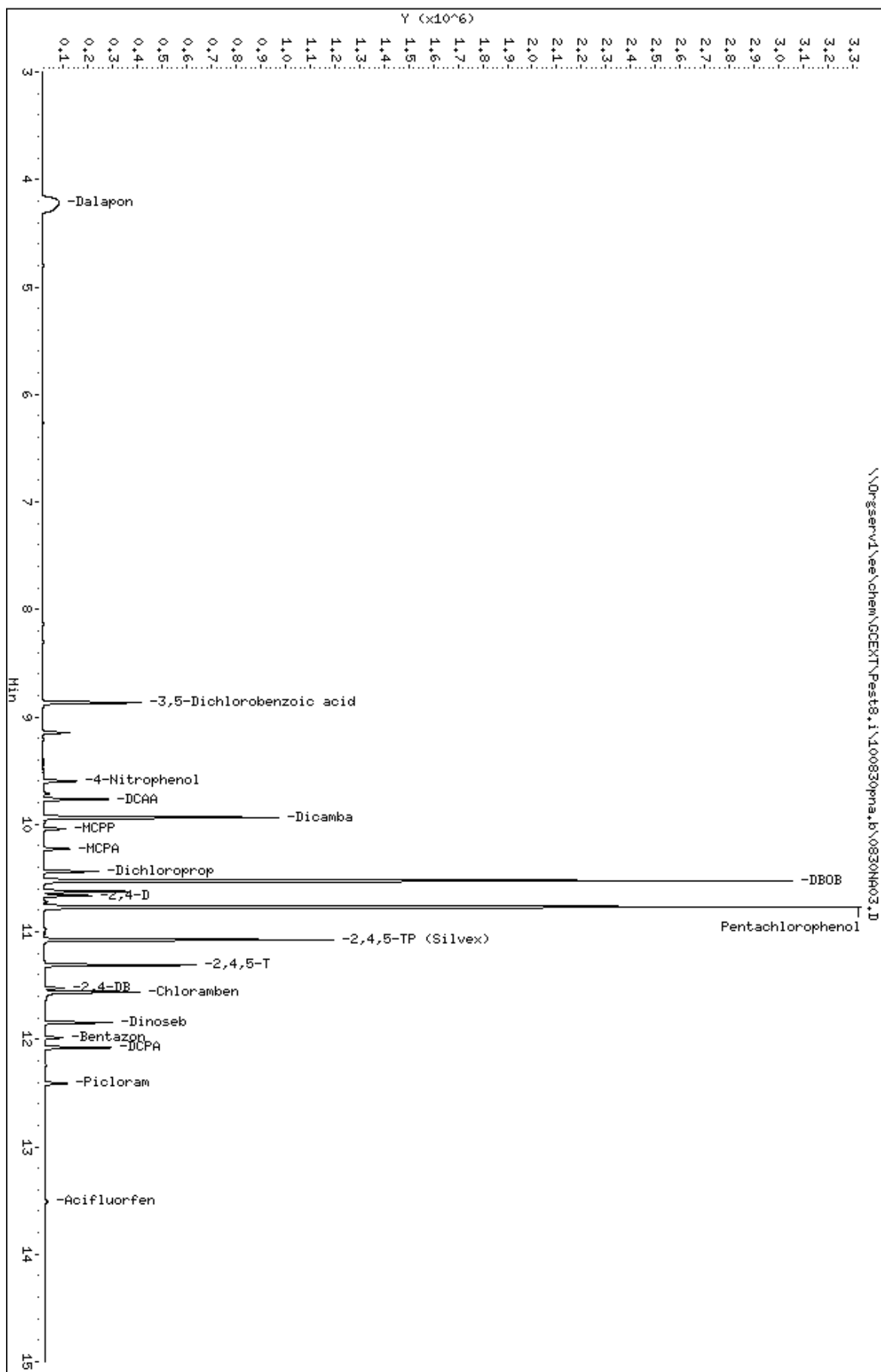
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NA03.D
Lab Smp Id:
Inj Date : 30-AUG-2010 11:55
Operator : sh Inst ID: Pest8.i
Smp Info : herb l3
Misc Info : wg429750, wg428877, ICAL5292
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
Meth Date : 30-Aug-2010 13:42 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 11:35 Cal File: 0830NA02.D
Als bottle: 3 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.210	4.210	(0.400)	471300	0.20000	0.204(M)	M3
2 3,5-Dichlorobenzoic acid	8.868	8.868	(0.843)	433942	0.20000	0.210	
3 4-Nitrophenol	9.598	9.598	(0.912)	161963	0.20000	0.201	
\$ 4 DCAA	9.767	9.767	(0.928)	286232	0.20000	0.217	
5 Dicamba	9.936	9.936	(0.944)	1009700	0.20000	0.212	
6 MCPP	10.042	10.042	(0.954)	99560	20.0000	19.6	
7 MCPA	10.229	10.229	(0.972)	117076	20.0000	19.4	
8 Dichloroprop	10.439	10.439	(0.992)	221181	0.20000	0.200	
* 10 DBOB	10.525	10.525	(1.000)	2974209	0.25000		
9 2,4-D	10.663	10.663	(1.013)	185289	0.20000	0.188	
11 Pentachlorophenol	10.769	10.769	(1.023)	3380860	0.20000	0.215	
12 2,4,5-TP (Silvex)	11.074	11.074	(1.052)	1088989	0.20000	0.211	
14 2,4,5-T	11.309	11.309	(1.074)	572692	0.20000	0.189	
15 2,4-DB	11.524	11.524	(1.095)	73602	0.20000	0.227(M)	M4
13 Chloramben	11.560	11.560	(1.098)	439485	0.20000	0.192(M)	M4
16 Dinoseb	11.844	11.844	(1.125)	267524	0.20000	0.191	
17 Bentazon	11.985	11.985	(1.139)	78400	0.20000	0.173	
19 DCPA	12.078	12.078	(1.147)	269129	0.20000	0.198	
18 Picloram	12.410	12.410	(1.179)	111804	0.20000	0.221	
20 Acifluorfen	13.509	13.509	(1.283)	21661	0.20000	0.266	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

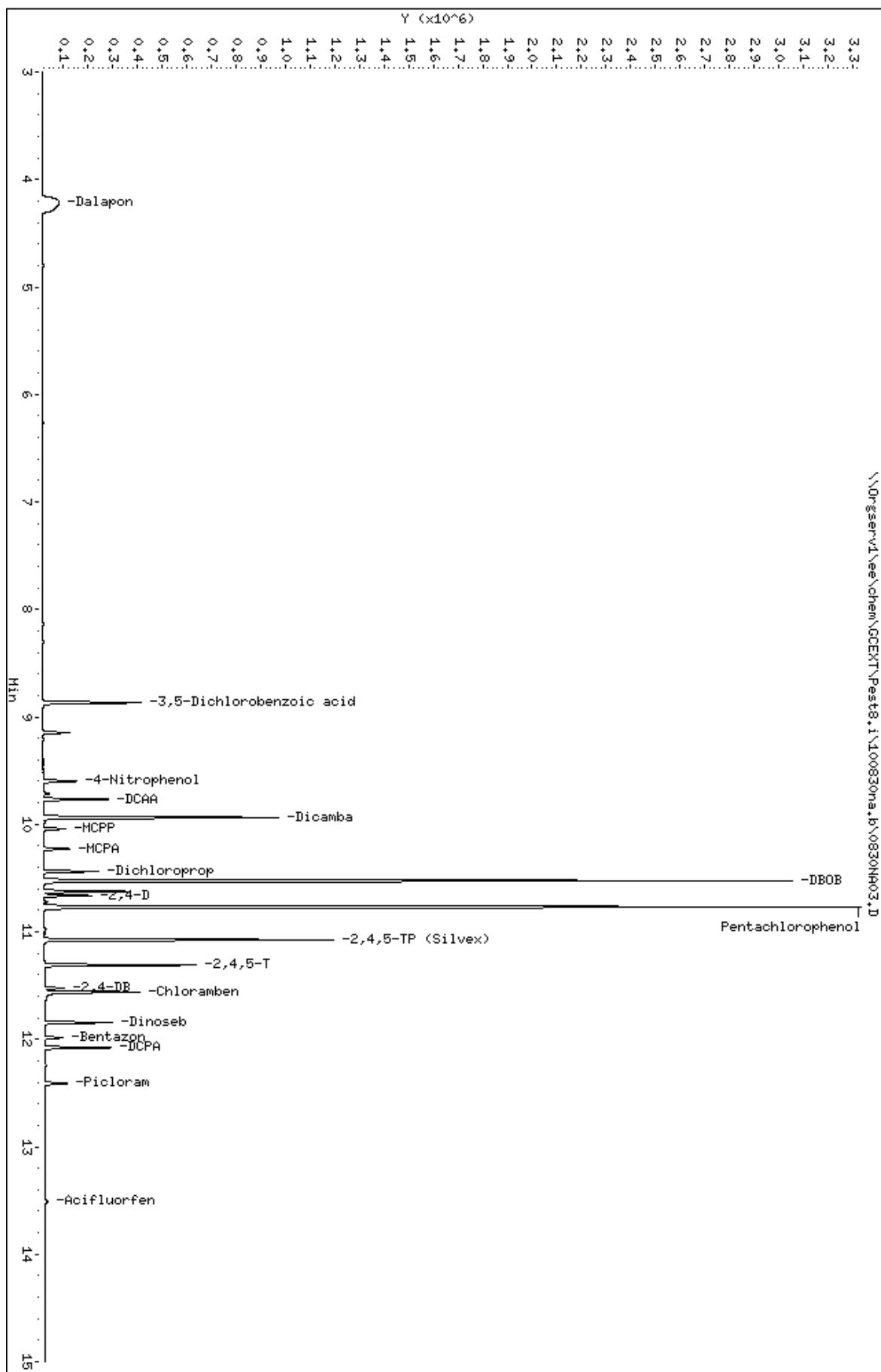
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NA03.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
 Misc Info: wg429750, wg428877, ICAL5292

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2974209	1487105	5948418	2974209	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\0830NA04.D
Lab Smp Id:
Inj Date : 30-AUG-2010 12:15
Operator : sh Inst ID: Pest8.i
Smp Info : herb l4
Misc Info : wg429750, wg428877, ICAL5292
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\8151Aherb8a.m
Meth Date : 30-Aug-2010 13:44 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 11:55 Cal File: 0830NA03.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.213	4.213	(0.400)	541486	0.50000	0.298	
2 3,5-Dichlorobenzoic acid	8.867	8.867	(0.842)	1029947	0.50000	0.494	
3 4-Nitrophenol	9.597	9.597	(0.912)	390288	0.50000	0.479	
\$ 4 DCAA	9.767	9.767	(0.928)	676437	0.50000	0.509	
5 Dicamba	9.937	9.937	(0.944)	2464540	0.50000	0.512	
6 MCPP	10.043	10.043	(0.954)	240030	50.0000	46.7	
7 MCPA	10.231	10.231	(0.972)	291028	50.0000	47.8	
8 Dichloroprop	10.438	10.438	(0.992)	573113	0.50000	0.513	
* 10 DBOB	10.526	10.526	(1.000)	3003440	0.25000		
9 2,4-D	10.663	10.663	(1.013)	539639	0.50000	0.543	
11 Pentachlorophenol	10.770	10.770	(1.023)	7280058	0.50000	0.459	
12 2,4,5-TP (Silvex)	11.077	11.077	(1.052)	2801984	0.50000	0.537	
14 2,4,5-T	11.312	11.312	(1.075)	1769885	0.50000	0.498	
15 2,4-DB	11.527	11.527	(1.095)	221970	0.50000	0.453	
13 Chloramben	11.564	11.564	(1.099)	1329094	0.50000	0.472	
16 Dinoseb	11.850	11.850	(1.126)	945716	0.50000	0.443	
17 Bentazon	11.991	11.991	(1.139)	219808	0.50000	0.481	
19 DCPA	12.084	12.084	(1.148)	1042618	0.50000	0.402	
18 Picloram	12.417	12.417	(1.180)	475152	0.50000	0.371	
20 Acifluorfen	13.516	13.516	(1.284)	64486	0.50000	0.334	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NA04.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\8151Aherb8a.m
 Misc Info: wg429750, wg428877, ICAL5292

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2974209	1487105	5948418	3003440	0.98

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\serv1\ee\chem\GC\EXT\Pest8.i\100830pna,b\0830H04.D

Date : 30-AUG-2010 12:15

Client ID:

Sample Info: herb 14

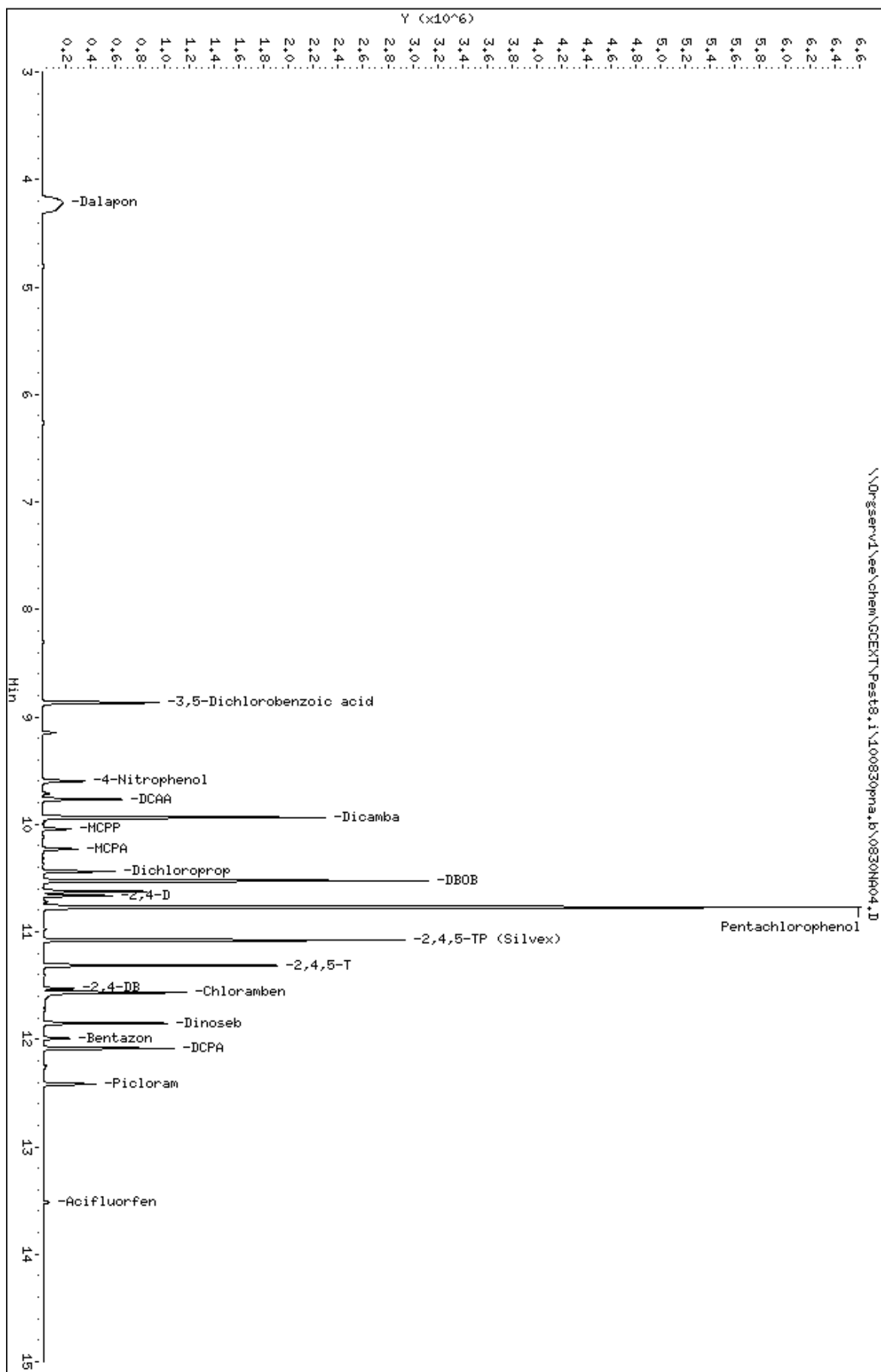
Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

Column phase:

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NA04.D
Lab Smp Id:
Inj Date : 30-AUG-2010 12:15
Operator : sh Inst ID: Pest8.i
Smp Info : herb l4
Misc Info : wg429750, wg428877, ICAL5292
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
Meth Date : 30-Aug-2010 13:42 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 11:55 Cal File: 0830NA03.D
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.213	4.213	(0.400)	1126849	0.50000	0.482(M)	M3
2 3,5-Dichlorobenzoic acid	8.867	8.867	(0.842)	1029947	0.50000	0.494	
3 4-Nitrophenol	9.597	9.597	(0.912)	390288	0.50000	0.479	
\$ 4 DCAA	9.767	9.767	(0.928)	676437	0.50000	0.509	
5 Dicamba	9.937	9.937	(0.944)	2464540	0.50000	0.512	
6 MCPP	10.043	10.043	(0.954)	240030	50.0000	46.7	
7 MCPA	10.231	10.231	(0.972)	291028	50.0000	47.8	
8 Dichloroprop	10.438	10.438	(0.992)	573113	0.50000	0.513	
* 10 DBOB	10.526	10.526	(1.000)	3003440	0.25000		
9 2,4-D	10.663	10.663	(1.013)	539639	0.50000	0.543	
11 Pentachlorophenol	10.770	10.770	(1.023)	7280058	0.50000	0.459	
12 2,4,5-TP (Silvex)	11.077	11.077	(1.052)	2801984	0.50000	0.537	
14 2,4,5-T	11.312	11.312	(1.075)	1769885	0.50000	0.498	
15 2,4-DB	11.527	11.527	(1.095)	222817	0.50000	0.454(MH)	M4
13 Chloramben	11.564	11.564	(1.099)	1329940	0.50000	0.476(M)	M4
16 Dinoseb	11.850	11.850	(1.126)	945631	0.50000	0.443(M)	M4
17 Bentazon	11.991	11.991	(1.139)	219808	0.50000	0.481	
19 DCPA	12.084	12.084	(1.148)	1042618	0.50000	0.402	
18 Picloram	12.417	12.417	(1.180)	475152	0.50000	0.371	
20 Acifluorfen	13.516	13.516	(1.284)	64486	0.50000	0.334	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NA04.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
 Misc Info: wg429750, wg428877, ICAL5292

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2974209	1487105	5948418	3003440	0.98

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NP04.D

Date : 30-AUG-2010 12:15

Client ID:

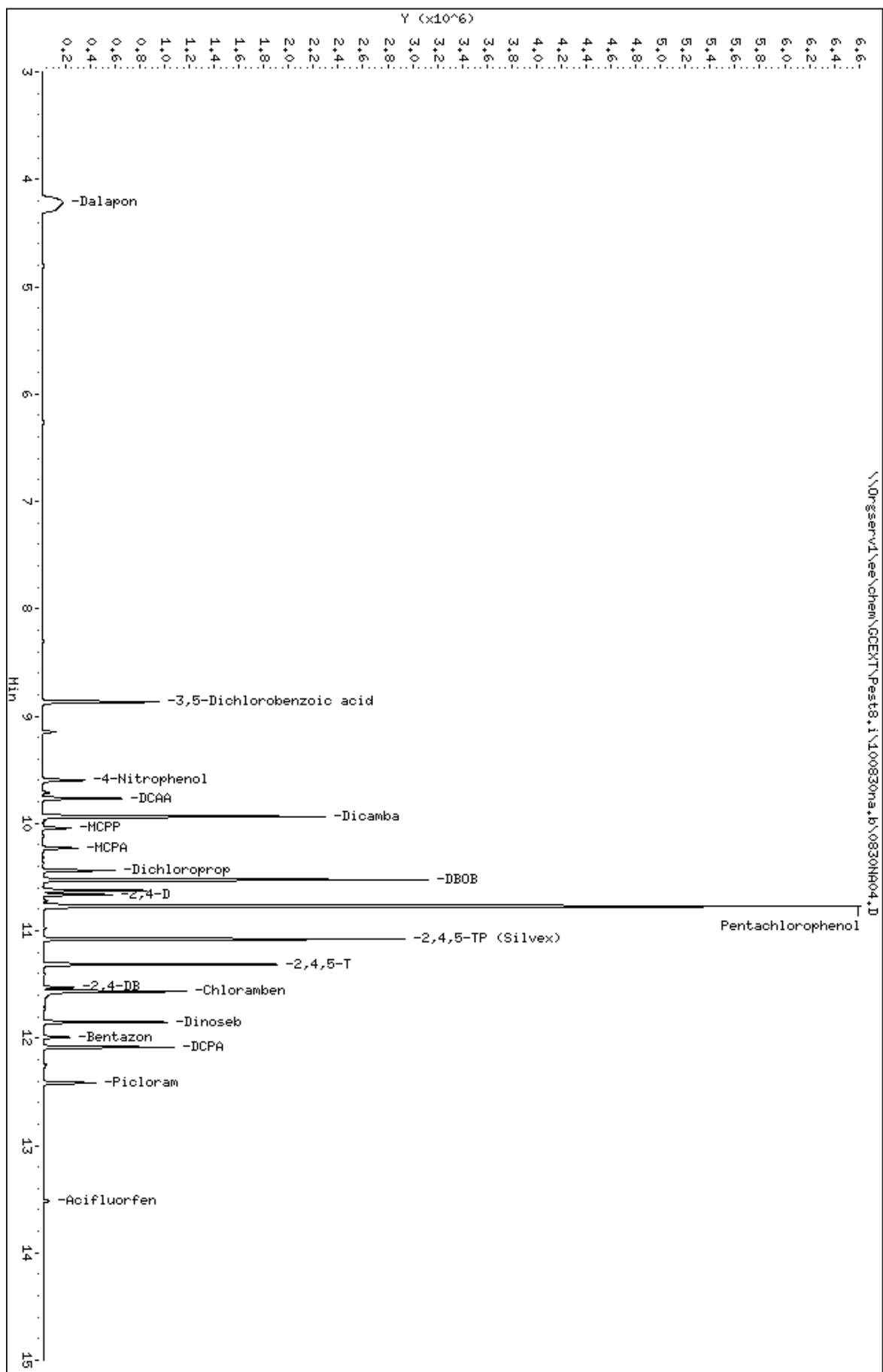
Sample Info: herb 14

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

Column phase:



Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\0830NA05.D
Lab Smp Id:
Inj Date : 30-AUG-2010 12:35
Operator : sh Inst ID: Pest8.i
Smp Info : herb l5
Misc Info : wg429750, wg428877, ICAL5292
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\8151Aherb8a.m
Meth Date : 30-Aug-2010 13:44 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 12:15 Cal File: 0830NA04.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.216	4.216	(0.401)	2174620	1.00000	1.18	
2 3,5-Dichlorobenzoic acid	8.866	8.866	(0.842)	1924242	1.00000	0.912	
3 4-Nitrophenol	9.596	9.596	(0.912)	754239	1.00000	0.916	
\$ 4 DCAA	9.766	9.766	(0.928)	1307810	1.00000	0.972	
5 Dicamba	9.936	9.936	(0.944)	4566842	1.00000	0.939	
6 MCPP	10.046	10.046	(0.954)	471699	100.000	90.8	
7 MCPA	10.233	10.233	(0.972)	583784	100.000	94.8	
8 Dichloroprop	10.438	10.438	(0.992)	1148116	1.00000	1.02	
* 10 DBOB	10.526	10.526	(1.000)	3038454	0.25000		
9 2,4-D	10.664	10.664	(1.013)	1154960	1.00000	1.15	
11 Pentachlorophenol	10.771	10.771	(1.023)	12020065	1.00000	0.750	
12 2,4,5-TP (Silvex)	11.077	11.077	(1.052)	5326665	1.00000	1.01	
14 2,4,5-T	11.314	11.314	(1.075)	3762088	1.00000	1.00	
15 2,4-DB	11.529	11.529	(1.095)	533384	1.00000	0.912	
13 Chloramben	11.566	11.566	(1.099)	2954051	1.00000	0.970	
16 Dinoseb	11.852	11.852	(1.126)	2339519	1.00000	0.954	
17 Bentazon	11.992	11.992	(1.139)	489736	1.00000	1.06	
19 DCPA	12.086	12.086	(1.148)	2977239	1.00000	0.903	
18 Picloram	12.418	12.418	(1.180)	1552466	1.00000	0.808	
20 Acifluorfen	13.519	13.519	(1.284)	266768	1.00000	0.651	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NA05.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\8151Aherb8a.m
 Misc Info: wg429750, wg428877, ICAL5292

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2974209	1487105	5948418	3038454	2.16

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\serv1\ee\chem\GC\EXT\Pest8.i\100830pna,b\0830HA05.D

Date : 30-AUG-2010 12:35

Client ID:

Sample Info: herb 15

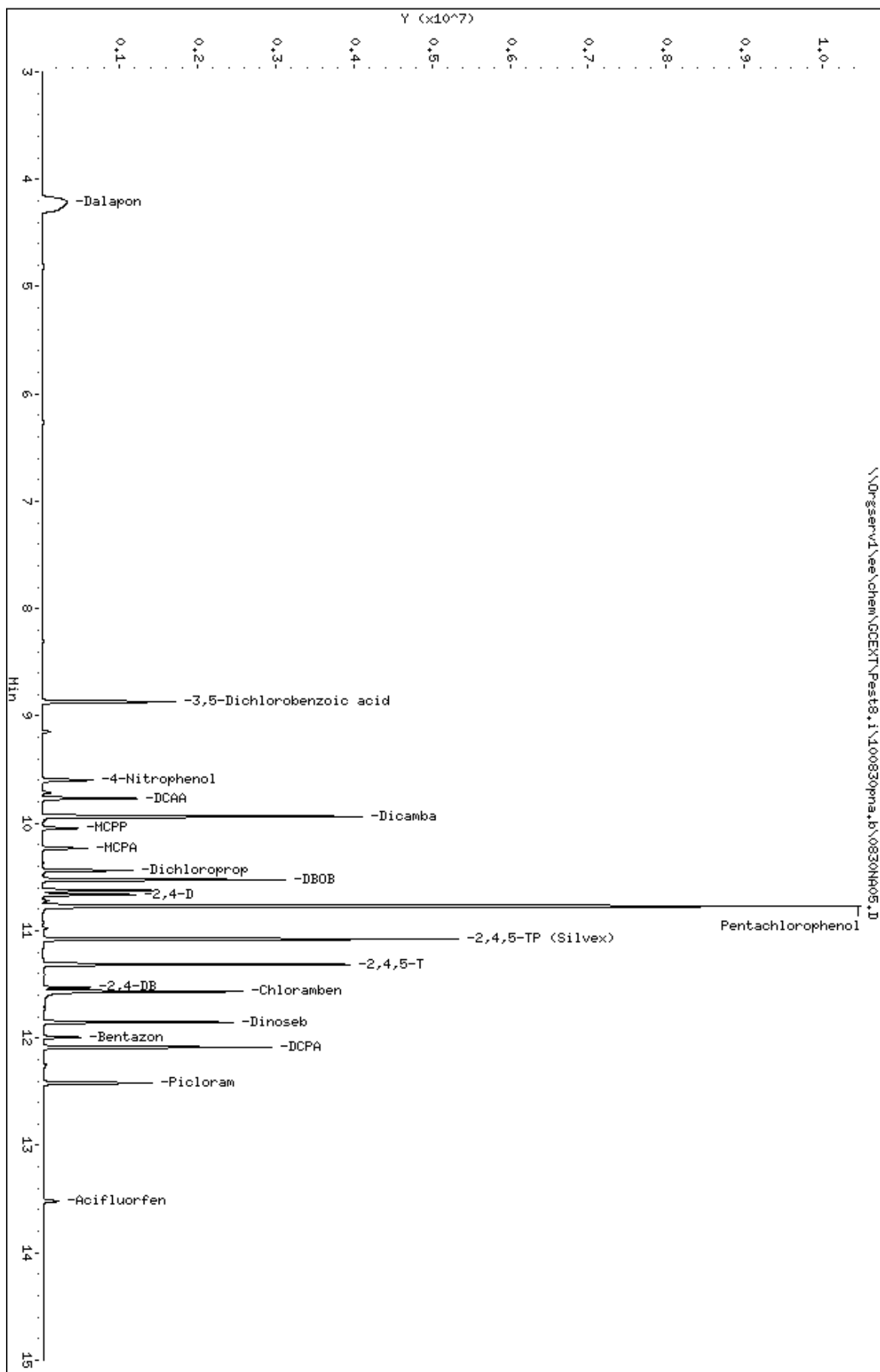
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NA05.D
Lab Smp Id:
Inj Date : 30-AUG-2010 12:35
Operator : sh Inst ID: Pest8.i
Smp Info : herb l5
Misc Info : wg429750, wg428877, ICAL5292
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
Meth Date : 30-Aug-2010 13:43 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 12:15 Cal File: 0830NA04.D
Als bottle: 5 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.216	4.216	(0.401)	2174620	1.00000	0.920	
2 3,5-Dichlorobenzoic acid	8.866	8.866	(0.842)	1924242	1.00000	0.912	
3 4-Nitrophenol	9.596	9.596	(0.912)	754239	1.00000	0.916	
\$ 4 DCAA	9.766	9.766	(0.928)	1307810	1.00000	0.972	
5 Dicamba	9.936	9.936	(0.944)	4566842	1.00000	0.939	
6 MCPP	10.046	10.046	(0.954)	471699	100.000	90.8	
7 MCPA	10.233	10.233	(0.972)	583784	100.000	94.8	
8 Dichloroprop	10.438	10.438	(0.992)	1148116	1.00000	1.02	
* 10 DBOB	10.526	10.526	(1.000)	3038454	0.25000		
9 2,4-D	10.664	10.664	(1.013)	1154960	1.00000	1.15	
11 Pentachlorophenol	10.771	10.771	(1.023)	12020065	1.00000	0.750	
12 2,4,5-TP (Silvex)	11.077	11.077	(1.052)	5326665	1.00000	1.01	
14 2,4,5-T	11.314	11.314	(1.075)	3762088	1.00000	1.00	
15 2,4-DB	11.529	11.529	(1.095)	535727	1.00000	0.921(MH)	M4
13 Chloramben	11.566	11.566	(1.099)	2956639	1.00000	0.986(M)	M4
16 Dinoseb	11.852	11.852	(1.126)	2339519	1.00000	0.954	
17 Bentazon	11.992	11.992	(1.139)	489736	1.00000	1.06	
19 DCPA	12.086	12.086	(1.148)	2977239	1.00000	0.903	
18 Picloram	12.418	12.418	(1.180)	1552466	1.00000	0.808	
20 Acifluorfen	13.519	13.519	(1.284)	266768	1.00000	0.651	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NA05.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
 Misc Info: wg429750, wg428877, ICAL5292

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2974209	1487105	5948418	3038454	2.16

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest8.i\100830na.b\0830Na05.D

Date : 30-AUG-2010 12:35

Client ID:

Sample Info: herb 15

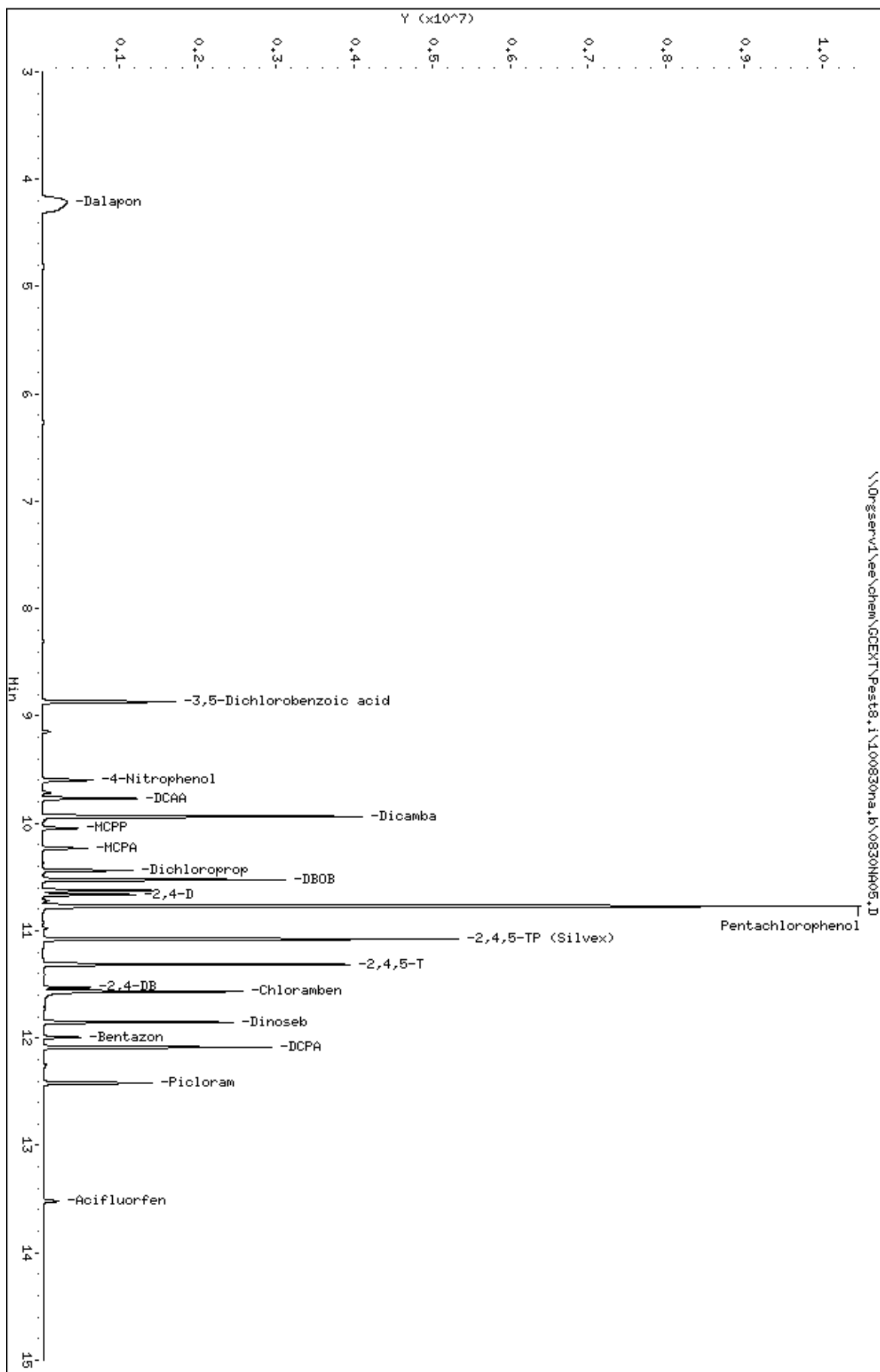
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\0830NA06.D
Lab Smp Id:
Inj Date : 30-AUG-2010 12:55
Operator : sh Inst ID: Pest8.i
Smp Info : herb l6
Misc Info : wg429750, wg428877, ICAL5292
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\8151Aherb8a.m
Meth Date : 30-Aug-2010 13:44 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 12:35 Cal File: 0830NA05.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.226	4.226	(0.402)	4421300	2.00000	2.46	
2 3,5-Dichlorobenzoic acid	8.868	8.868	(0.843)	3579727	2.00000	1.74	
3 4-Nitrophenol	9.597	9.597	(0.912)	1470522	2.00000	1.83	
\$ 4 DCAA	9.767	9.767	(0.928)	2541117	2.00000	1.94	
5 Dicamba	9.937	9.937	(0.944)	8189019	2.00000	1.73	
6 MCPP	10.051	10.051	(0.955)	955318	200.000	189	
7 MCPA	10.239	10.239	(0.973)	1199207	200.000	200	
8 Dichloroprop	10.439	10.439	(0.992)	2294705	2.00000	2.08	
* 10 DBOB	10.525	10.525	(1.000)	2961357	0.25000		
9 2,4-D	10.664	10.664	(1.013)	2421685	2.00000	2.47	
11 Pentachlorophenol	10.772	10.772	(1.023)	19584355	2.00000	1.25	
12 2,4,5-TP (Silvex)	11.079	11.079	(1.053)	9649870	2.00000	1.88	
14 2,4,5-T	11.314	11.314	(1.075)	7613025	2.00000	2.04	
15 2,4-DB	11.529	11.529	(1.095)	1260521	2.00000	2.04	
13 Chloramben	11.565	11.565	(1.099)	6179345	2.00000	2.02	
16 Dinoseb	11.852	11.852	(1.126)	5122577	2.00000	2.03	
17 Bentazon	11.992	11.992	(1.139)	1089424	2.00000	2.42	
19 DCPA	12.086	12.086	(1.148)	7194233	2.00000	2.05	
18 Picloram	12.419	12.419	(1.180)	4540894	2.00000	2.08	
20 Acifluorfen	13.518	13.518	(1.284)	1146143	2.00000	2.08	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NA06.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\8151Aherb8a.m
 Misc Info: wg429750, wg428877, ICAL5292

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2974209	1487105	5948418	2961357	-0.43

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\serv1\ee\chem\GC\EXT\Pest8.i\100830pna,b\0830H406.D

Date : 30-AUG-2010 12:55

Client ID:

Sample Info: herb 16

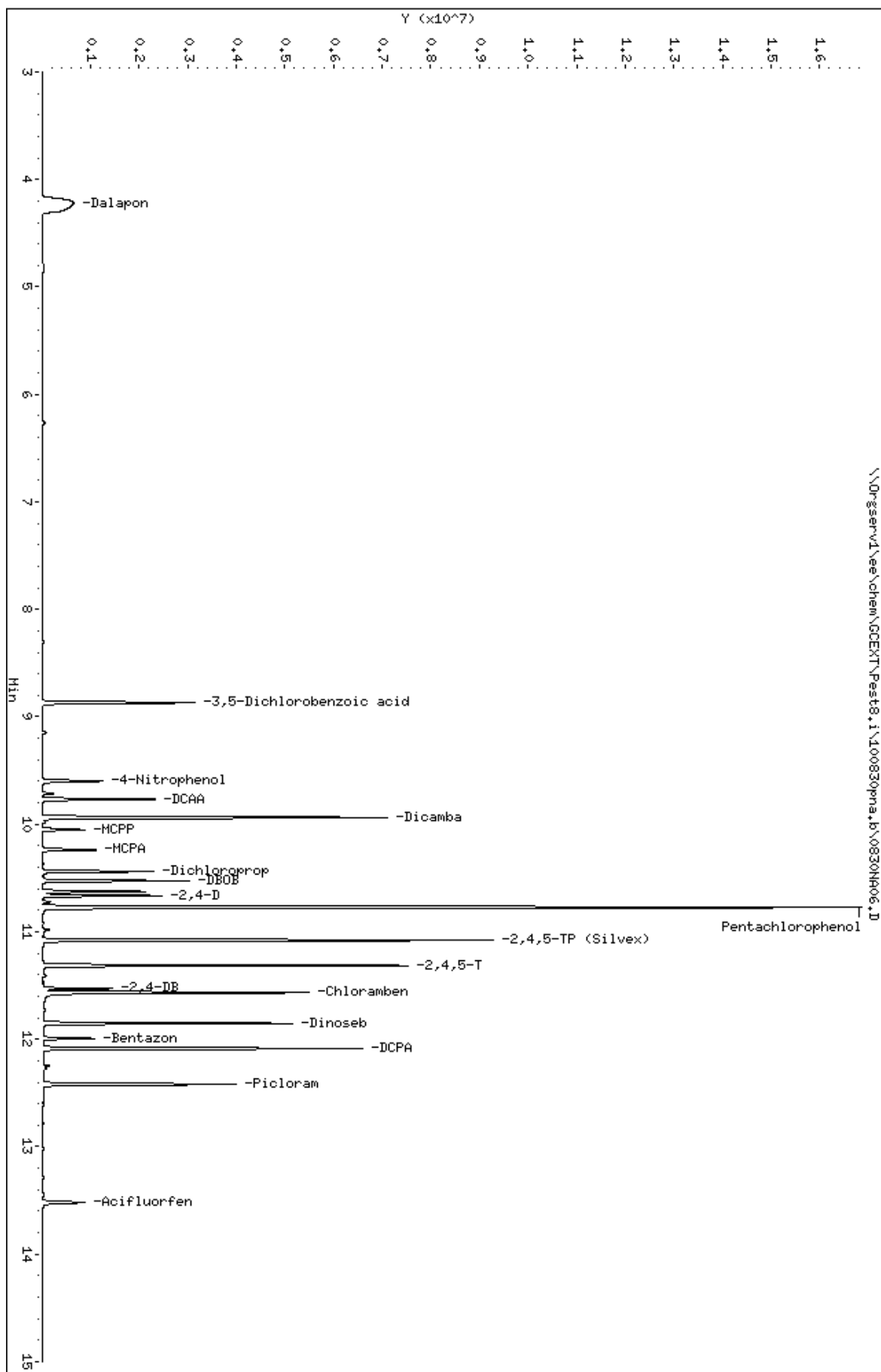
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NA06.D
Lab Smp Id:
Inj Date : 30-AUG-2010 12:55
Operator : sh Inst ID: Pest8.i
Smp Info : herb l6
Misc Info : wg429750, wg428877, ICAL5292
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
Meth Date : 30-Aug-2010 13:43 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 12:35 Cal File: 0830NA05.D
Als bottle: 6 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.226	4.226	(0.402)	4421300	2.00000	1.92	
2 3,5-Dichlorobenzoic acid	8.868	8.868	(0.843)	3579727	2.00000	1.74	
3 4-Nitrophenol	9.597	9.597	(0.912)	1470522	2.00000	1.83	
\$ 4 DCAA	9.767	9.767	(0.928)	2541117	2.00000	1.94	
5 Dicamba	9.937	9.937	(0.944)	8189019	2.00000	1.73	
6 MCPP	10.051	10.051	(0.955)	955318	200.000	189	
7 MCPA	10.239	10.239	(0.973)	1199207	200.000	200	
8 Dichloroprop	10.439	10.439	(0.992)	2294705	2.00000	2.08	
* 10 DBOB	10.525	10.525	(1.000)	2961357	0.25000		
9 2,4-D	10.664	10.664	(1.013)	2421685	2.00000	2.47	
11 Pentachlorophenol	10.772	10.772	(1.023)	19584355	2.00000	1.25	
12 2,4,5-TP (Silvex)	11.079	11.079	(1.053)	9649870	2.00000	1.88	
14 2,4,5-T	11.314	11.314	(1.075)	7613025	2.00000	2.04	
15 2,4-DB	11.529	11.529	(1.095)	1244243	2.00000	2.04(M)	M4
13 Chloramben	11.565	11.565	(1.099)	6040065	2.00000	2.01(M)	M4
16 Dinoseb	11.852	11.852	(1.126)	5122577	2.00000	2.03	
17 Bentazon	11.992	11.992	(1.139)	1089424	2.00000	2.42	
19 DCPA	12.086	12.086	(1.148)	7194233	2.00000	2.05	
18 Picloram	12.419	12.419	(1.180)	4540894	2.00000	2.08	
20 Acifluorfen	13.518	13.518	(1.284)	1146143	2.00000	2.08	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NA06.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
 Misc Info: wg429750, wg428877, ICAL5292

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2974209	1487105	5948418	2961357	-0.43

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest8.i\100830na.b\0830H06.D

Date : 30-AUG-2010 12:55

Client ID:

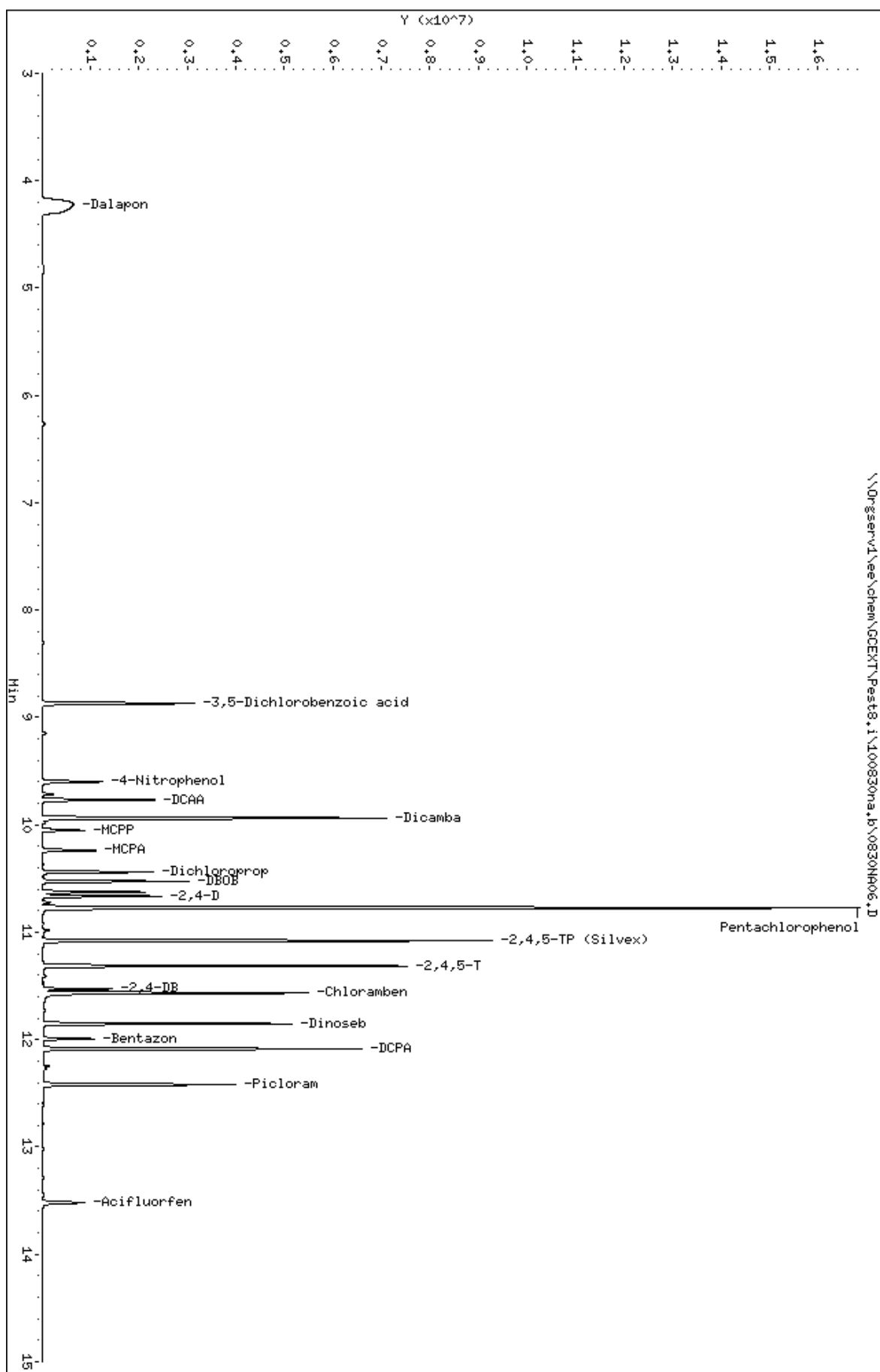
Sample Info: herb 16

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

Column phase:



Initial Calibration Verification

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest8.i Injection Date: 30-AUG-2010 13:15
 Lab File ID: 0830NA07.D Init. Cal. Date(s): 26-AUG-2010 30-AUG-2010
 Analysis Type: Init. Cal. Times: 16:03 12:55
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m

COMPOUND	RRF / AMOUNT	RF0.200	CCAL RRF0.200	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dalapon	0.19444	0.20190	0.20190	0.010	-3.83760	15.00000	Averaged
4 DCAA	0.11069	0.12357	0.12357	0.010	-11.64060	15.00000	Averaged
5 Dicamba	0.40032	0.42920	0.42920	0.010	-7.21462	15.00000	Averaged
6 MCPP	0.00043	0.00042	0.00042	0.010	1.18940	15.00000	Averaged
7 MCPA	0.00051	0.00053	0.00053	0.010	-3.89883	15.00000	Averaged
8 Dichloroprop	0.09297	0.09772	0.09772	0.010	-5.11177	15.00000	Averaged
9 2,4-D	0.08269	0.07212	0.07212	0.010	12.78842	15.00000	Averaged
12 2,4,5-TP (Silvex)	0.43397	0.45332	0.45332	0.010	-4.45728	15.00000	Averaged
14 2,4,5-T	0.20000	0.18132	0.22867	0.010	9.33972	15.00000	Linear
15 2,4-DB	0.20000	0.23451	0.03287	0.010	-17.25661	15.00000	Linear<-
16 Dinoseb	0.20000	0.21057	0.13428	0.010	-5.28687	15.00000	Linear

Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\0830NA07.D
 Lab Smp Id:
 Inj Date : 30-AUG-2010 13:15
 Operator : sh Inst ID: Pest8.i
 Smp Info : +herb cc hrb271
 Misc Info : wg429750, wg428877, ICAL5292
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\8151Aherb8a.m
 Meth Date : 30-Aug-2010 13:44 Pest8.i Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NA06.D
 Als bottle: 7 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151mcp.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.217	4.217	(0.401)	217590	0.20000	0.134	
\$ 4 DCAA	9.766	9.766	(0.928)	263958	0.20000	0.223	
5 Dicamba	9.935	9.935	(0.944)	916776	0.20000	0.214	
6 MCPP	10.041	10.041	(0.954)	90214	20.0000	19.8	
7 MCPA	10.228	10.228	(0.972)	112501	20.0000	20.8	
8 Dichloroprop	10.438	10.438	(0.992)	208732	0.20000	0.210	
* 10 DBOB	10.525	10.525	(1.000)	2670025	0.25000		
9 2,4-D	10.663	10.663	(1.013)	154041	0.20000	0.174	
12 2,4,5-TP (Silvex)	11.077	11.077	(1.052)	968295	0.20000	0.209	
14 2,4,5-T	11.312	11.312	(1.075)	488451	0.20000	0.181	
15 2,4-DB	11.528	11.528	(1.095)	70208	0.20000	0.238	
16 Dinoseb	11.851	11.851	(1.126)	286832	0.20000	0.210	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest8.i
Lab File ID: 0830NA07.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pna.b\8151Aherb8a.m
Misc Info: wg429750, wg428877, ICAL5292

Calibration Date: 30-AUG-2010
Calibration Time: 11:55
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2974209	1487105	5948418	2670025	-10.23

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\serv1\ee\chem\GC\EXT\Pest8.i\100830pna,b\0830H407.D

Date : 30-AUG-2010 13:15

Client ID:

Sample Info: herb co hrb271

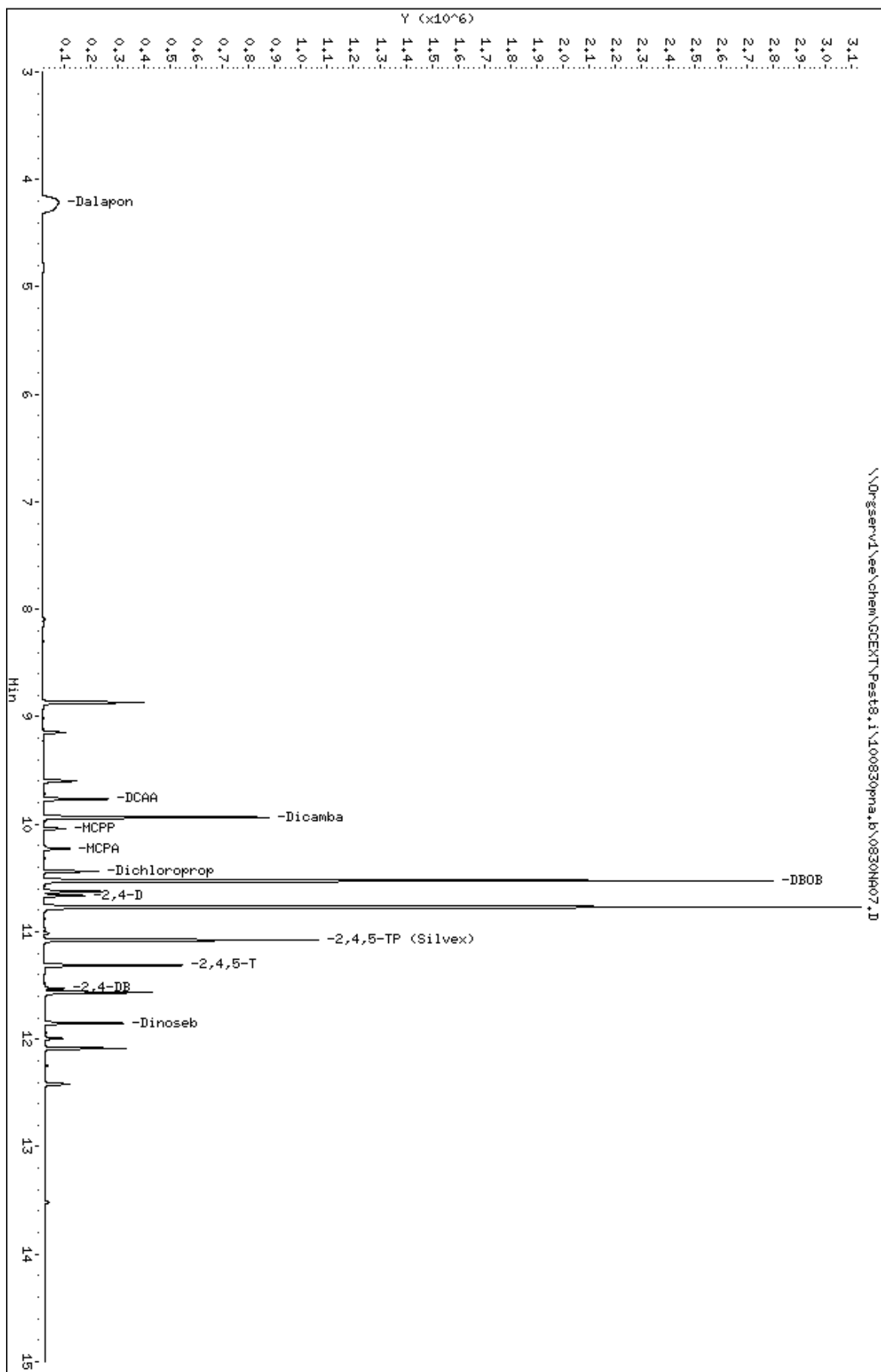
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NA07.D
 Lab Smp Id:
 Inj Date : 30-AUG-2010 13:15
 Operator : sh Inst ID: Pest8.i
 Smp Info : +herb cc hrb271
 Misc Info : wg429750, wg428877, ICAL5292
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
 Meth Date : 30-Aug-2010 13:43 Pest8.i Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NA06.D
 Als bottle: 7 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151mcp.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.217	4.217	(0.401)	431258	0.20000	0.208(M)	M4
\$ 4 DCAA	9.766	9.766	(0.928)	263958	0.20000	0.223	
5 Dicamba	9.935	9.935	(0.944)	916776	0.20000	0.214	
6 MCPP	10.041	10.041	(0.954)	90214	20.0000	19.8	
7 MCPA	10.228	10.228	(0.972)	112501	20.0000	20.8	
8 Dichloroprop	10.438	10.438	(0.992)	208732	0.20000	0.210	
* 10 DBOB	10.525	10.525	(1.000)	2670025	0.25000		
9 2,4-D	10.663	10.663	(1.013)	154041	0.20000	0.174	
12 2,4,5-TP (Silvex)	11.077	11.077	(1.052)	968295	0.20000	0.209	
14 2,4,5-T	11.312	11.312	(1.075)	488451	0.20000	0.181	
15 2,4-DB	11.528	11.528	(1.095)	70208	0.20000	0.234	
16 Dinoseb	11.851	11.851	(1.126)	286832	0.20000	0.210	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NA07.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830na.b\8151Aherb8a.m
 Misc Info: wg429750, wg428877, ICAL5292

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2974209	1487105	5948418	2670025	-10.23

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeriv1\ee\chem\GCEXT\Pest8.i\100830na.b\0830NA07.D

Date : 30-AUG-2010 13:15

Client ID:

Sample Info: herb co hrh271

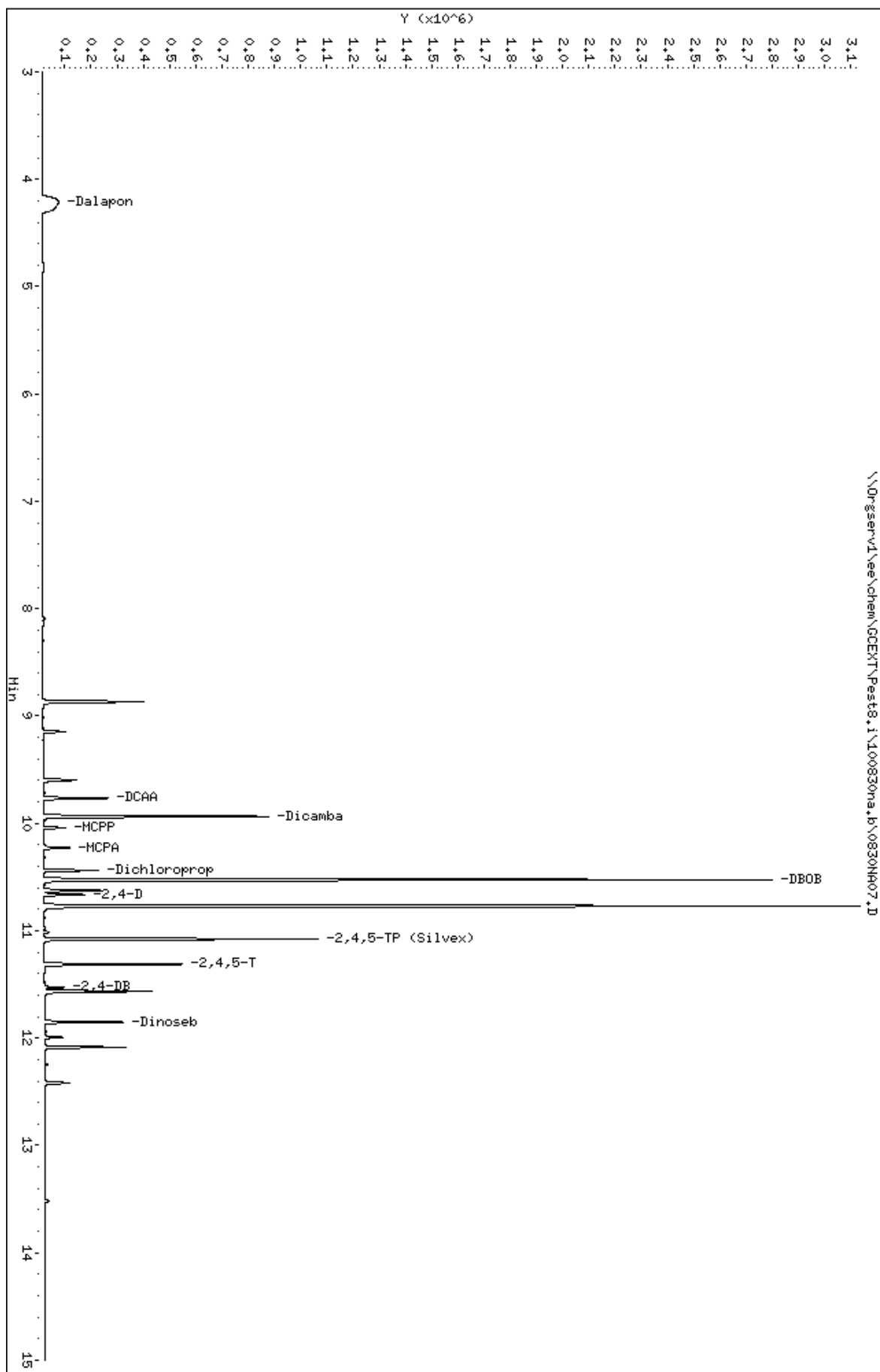
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-2010 16:31
 End Cal Date : 30-AUG-2010 12:55
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m
 Cal Date : 30-Aug-2010 16:58 shaggart

Calibration File Names:

Level 1: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB01.D
 Level 2: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB02.D
 Level 3: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB03.D
 Level 4: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB04.D
 Level 5: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB05.D
 Level 6: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB06.D

Compound	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
1 Dalapon	0.15565	0.14574	0.14720	0.14529	0.14075	0.14958	AVRG		0.14737		3.38180
2 3,5-Dichlorobenzoic acid	0.15196	0.14941	0.14693	0.13890	0.12920	0.12308	AVRG		0.13991		8.35964
3 4-Nitrophenol	0.05173	0.05602	0.05383	0.04999	0.04809	0.04794	AVRG		0.05127		6.30404
5 Dicamba	0.41742	0.33954	0.35332	0.34321	0.32128	0.29990	AVRG		0.34578		11.52465
6 MCPP	0.00037	0.00025	0.00028	0.00030	0.00030	0.00032	AVRG		0.00030		13.19655
7 MCPA	0.00040	0.00031	0.00035	0.00036	0.00036	0.00037	AVRG		0.00036		7.66795
8 Dichloroprop	0.07287	0.07007	0.07845	0.07892	0.07701	0.07860	AVRG		0.07599		4.82620
9 2,4-D	47870	81460	230278	671483	1328225	2711761	LINR	0.13957	0.09075		0.99972
11 Pentachlorophenol	1.40189	1.41371	1.43335	1.25547	1.05995	+++++	AVRG		1.31287		12.03563
12 2,4,5-TP (Silvex)	0.35791	0.32951	0.40821	0.41848	0.38963	0.36184	AVRG		0.37760		8.94247
13 Chloramben	108431	177867	495099	1504194	3019570	6252987	LINR	0.17102	0.20960		0.99947
14 2,4,5-T	162631	287726	856918	2616560	5152005	10233782	LINR	0.12838	0.34394		0.99979
15 2,4-DB	+++++	24070	69935	270789	627562	1446149	LINR	0.49413	0.05003		0.99605
16 Dinoseb	64452	137709	390270	1280827	2858797	6159555	LINR	0.29451	0.20846		0.99797

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-2010 16:31
 End Cal Date : 30-AUG-2010 12:55
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m
 Cal Date : 30-Aug-2010 16:58 shaggart

	0.0500000	0.1000000	0.2000000	0.5000000	1.0000	2.0000			Coefficients			%RSD
Compound	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2	
17 Bentazon	0.02676	0.02119	0.02802	0.03042	0.03124	0.03690	AVRG		0.02909			17.95985
18 Picloram	25180	38202	137273	678572	2015847	+++++	LINR	0.42531	0.14118			0.97545 <-
19 DCPA	0.07678	0.05582	0.08891	0.14412	0.19269	+++++	AVRG		0.11166			50.00600 <-
20 Acifluorfen	0.00467	0.00325	0.00468	0.01116	0.02084	0.05044	AVRG		0.01584			115 <-
\$ 4 DCAA	0.07500	0.09806	0.09832	0.09066	0.08626	0.08551	AVRG		0.08897			9.89400

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 09-AUG-2010 16:31
End Cal Date : 30-AUG-2010 12:55
Quant Method : ISTD
Target Version : 4.12
Integrator : Falcon
Method file : \\Orgserv1\\ee\\chem\\GCEXT\\Pest8.i\\100830nb.b\\8151Aherb8b.m
Cal Date : 30-Aug-2010 16:58 shaggart

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\0830NB01.D
Lab Smp Id:
Inj Date : 30-AUG-2010 11:15
Operator : sh Inst ID: Pest8.i
Smp Info : herb l1
Misc Info : wg429750, wg428877, ICAL5293
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\8151Aherb8b.m
Meth Date : 30-Aug-2010 13:44 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 12:55 Cal File: 0830NB06.D
Als bottle: 51 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.653	3.653	(0.359)	123384	0.05000	0.0684	
2 3,5-Dichlorobenzoic acid	8.476	8.476	(0.834)	120462	0.05000	0.0543	
3 4-Nitrophenol	8.544	8.544	(0.840)	41008	0.05000	0.0504	
\$ 4 DCAA	9.197	9.197	(0.905)	4756254	4.00000	3.37	
5 Dicamba	9.304	9.304	(0.915)	330893	0.05000	0.0604	
6 MCPP	9.442	9.442	(0.929)	29359	5.00000	6.12	
7 MCPA	9.539	9.539	(0.938)	31326	5.00000	5.55	
8 Dichloroprop	9.818	9.818	(0.966)	57764	0.05000	0.0479	
9 2,4-D	9.940	9.940	(0.978)	47870	0.05000	0.0682	
* 10 DBOB	10.165	10.165	(1.000)	3963568	0.25000		
11 Pentachlorophenol	10.473	10.473	(1.030)	1111296	0.05000	0.0534	
12 2,4,5-TP (Silvex)	10.552	10.552	(1.038)	283723	0.05000	0.0474	
13 Chloramben	10.616	10.616	(1.044)	108431	0.05000	0.0754	
14 2,4,5-T	10.686	10.686	(1.051)	162631	0.05000	0.0610	
15 2,4-DB	10.964	10.964	(1.079)	19766	0.05000	0.154	
16 Dinoseb	10.999	10.999	(1.082)	64813	0.05000	0.0953	
17 Bentazon	11.173	11.173	(1.099)	21213	0.05000	0.0460	
18 Picloram	11.378	11.378	(1.119)	25180	0.05000	0.118	
19 DCPA	11.572	11.572	(1.138)	60868	0.05000	0.0344	
20 Acifluorfen	12.359	12.359	(1.216)	3701	0.05000	0.0147	

Alpha Analytical Labs

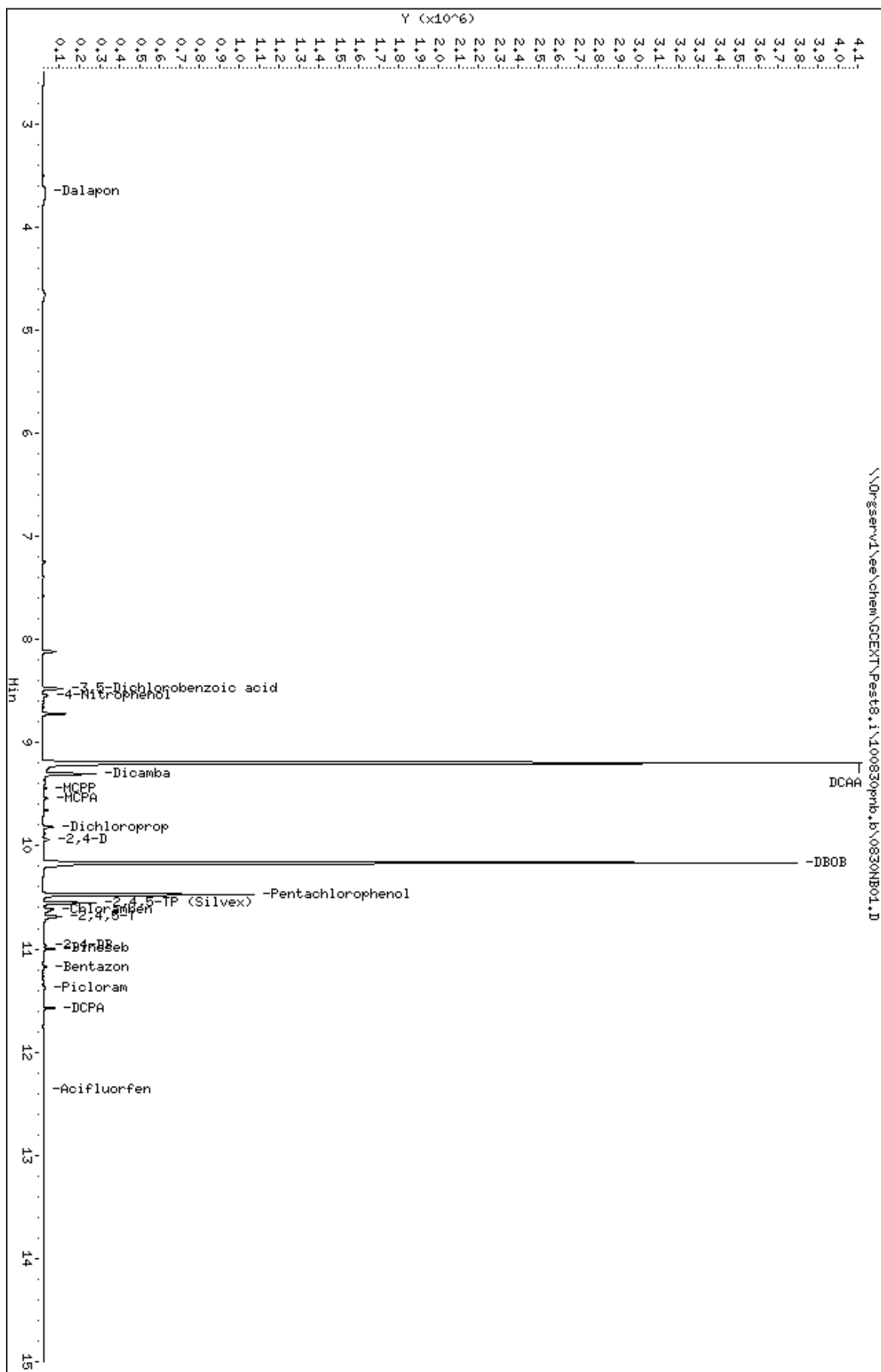
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NB01.D Calibration Time: 13:15
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\8151Aherb8b.m
 Misc Info: wg429750, wg428877, ICAL5293

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3511465	1755733	7022930	3963568	12.88

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.16	9.66	10.66	10.17	0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB01.D

Lab Smp Id:

Inj Date : 30-AUG-2010 11:15

Operator : sh

Inst ID: Pest8.i

Smp Info : herb l1

Misc Info : wg429750, wg428877, ICAL5293

Comment :

Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m

Meth Date : 30-Aug-2010 13:42 Pest8.i

Quant Type: ISTD

Cal Date : 30-AUG-2010 11:15

Cal File: 0830NB01.D

Als bottle: 51

Calibration Sample, Level: 1

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 8151full.sub

Target Version: 4.12

Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.653	3.653	(0.359)	123384	0.05000	0.0528	
2 3,5-Dichlorobenzoic acid	8.476	8.476	(0.834)	120462	0.05000	0.0543	
3 4-Nitrophenol	8.544	8.544	(0.840)	41008	0.05000	0.0504	
\$ 4 DCAA	9.197	9.197	(0.905)	4756254	4.00000	3.37	
5 Dicamba	9.304	9.304	(0.915)	330893	0.05000	0.0604	
6 MCPP	9.442	9.442	(0.929)	29359	5.00000	6.12	
7 MCPA	9.539	9.539	(0.938)	31326	5.00000	5.55	
8 Dichloroprop	9.818	9.818	(0.966)	57764	0.05000	0.0479	
9 2,4-D	9.940	9.940	(0.978)	47870	0.05000	0.0682	
* 10 DBOB	10.165	10.165	(1.000)	3963568	0.25000		
11 Pentachlorophenol	10.473	10.473	(1.030)	1111296	0.05000	0.0534	
12 2,4,5-TP (Silvex)	10.552	10.552	(1.038)	283723	0.05000	0.0474	
13 Chloramben	10.616	10.616	(1.044)	108431	0.05000	0.0754	
14 2,4,5-T	10.686	10.686	(1.051)	162631	0.05000	0.0619	
15 2,4-DB	10.964	10.964	(1.079)	19411	0.05000	0.148(M)	M4
16 Dinoseb	10.999	10.999	(1.082)	64452	0.05000	0.0931(M)	M4
17 Bentazon	11.173	11.173	(1.099)	21213	0.05000	0.0460	
18 Picloram	11.378	11.378	(1.119)	25180	0.05000	0.118	
19 DCPA	11.572	11.572	(1.138)	60868	0.05000	0.0344	
20 Acifluorfen	12.359	12.359	(1.216)	3701	0.05000	0.0147	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NB01.D Calibration Time: 13:15
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m
 Misc Info: wg429750, wg428877, ICAL5293

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
10 DBOB	3511465	1755733	7022930	3963568	12.88

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
10 DBOB	10.16	9.66	10.66	10.17	0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB01.D

Date : 30-AUG-2010 11:15

Client ID:

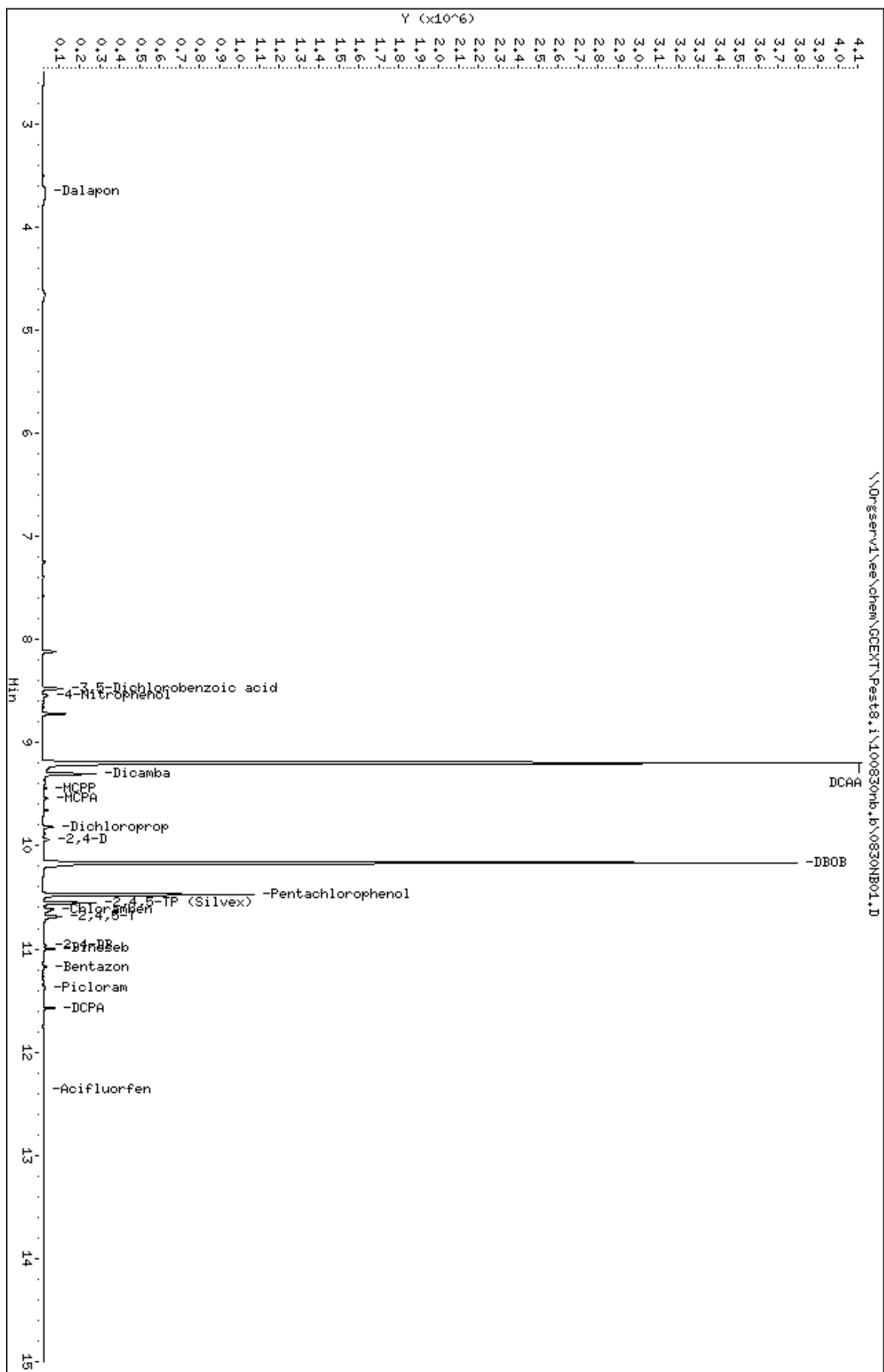
Sample Info: herb 11

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

Column phase:



Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\0830NB02.D
 Lab Smp Id:
 Inj Date : 30-AUG-2010 11:35
 Operator : sh Inst ID: Pest8.i
 Smp Info : herb l2
 Misc Info : wg429750, wg428877, ICAL5293
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\8151Aherb8b.m
 Meth Date : 30-Aug-2010 13:44 Pest8.i Quant Type: ISTD
 Cal Date : 30-AUG-2010 11:15 Cal File: 0830NB01.D
 Als bottle: 52 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151full.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.657	3.657	(0.360)	229991	0.10000	0.128	
2 3,5-Dichlorobenzoic acid	8.474	8.474	(0.834)	235782	0.10000	0.107	
3 4-Nitrophenol	8.541	8.541	(0.840)	88409	0.10000	0.109	
\$ 4 DCAA	9.194	9.194	(0.905)	154745	0.10000	0.110	
5 Dicamba	9.301	9.301	(0.915)	535817	0.10000	0.0982	
6 MCPP	9.439	9.439	(0.929)	39495	10.0000	8.27	
7 MCPA	9.537	9.537	(0.938)	49129	10.0000	8.75	
8 Dichloroprop	9.815	9.815	(0.966)	110582	0.10000	0.0922	
9 2,4-D	9.938	9.938	(0.978)	81460	0.10000	0.0918	
* 10 DBOB	10.163	10.163	(1.000)	3945165	0.25000		
11 Pentachlorophenol	10.470	10.470	(1.030)	2230929	0.10000	0.108	
12 2,4,5-TP (Silvex)	10.549	10.549	(1.038)	519989	0.10000	0.0873	
13 Chloramben	10.620	10.620	(1.045)	177867	0.10000	0.0965	
14 2,4,5-T	10.685	10.685	(1.051)	287726	0.10000	0.0842	
15 2,4-DB	10.967	10.967	(1.079)	23764	0.10000	0.158	
16 Dinoseb	10.994	10.994	(1.082)	137530	0.10000	0.117	
17 Bentazon	11.168	11.168	(1.099)	33437	0.10000	0.0728	
18 Picloram	11.392	11.392	(1.121)	38202	0.10000	0.123	
19 DCPA	11.563	11.563	(1.138)	88090	0.10000	0.0500	
20 Acifluorfen	12.354	12.354	(1.216)	5121	0.10000	0.0205	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NB02.D Calibration Time: 13:15
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\8151Aherb8b.m
 Misc Info: wg429750, wg428877, ICAL5293

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3511465	1755733	7022930	3945165	12.35

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.16	9.66	10.66	10.16	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\rd\ee\chem\GCEXT\Pest8.i\100830pnb.b\0830NB02.D

Date : 30-AUG-2010 11:35

Client ID:

Sample Info: herb 12

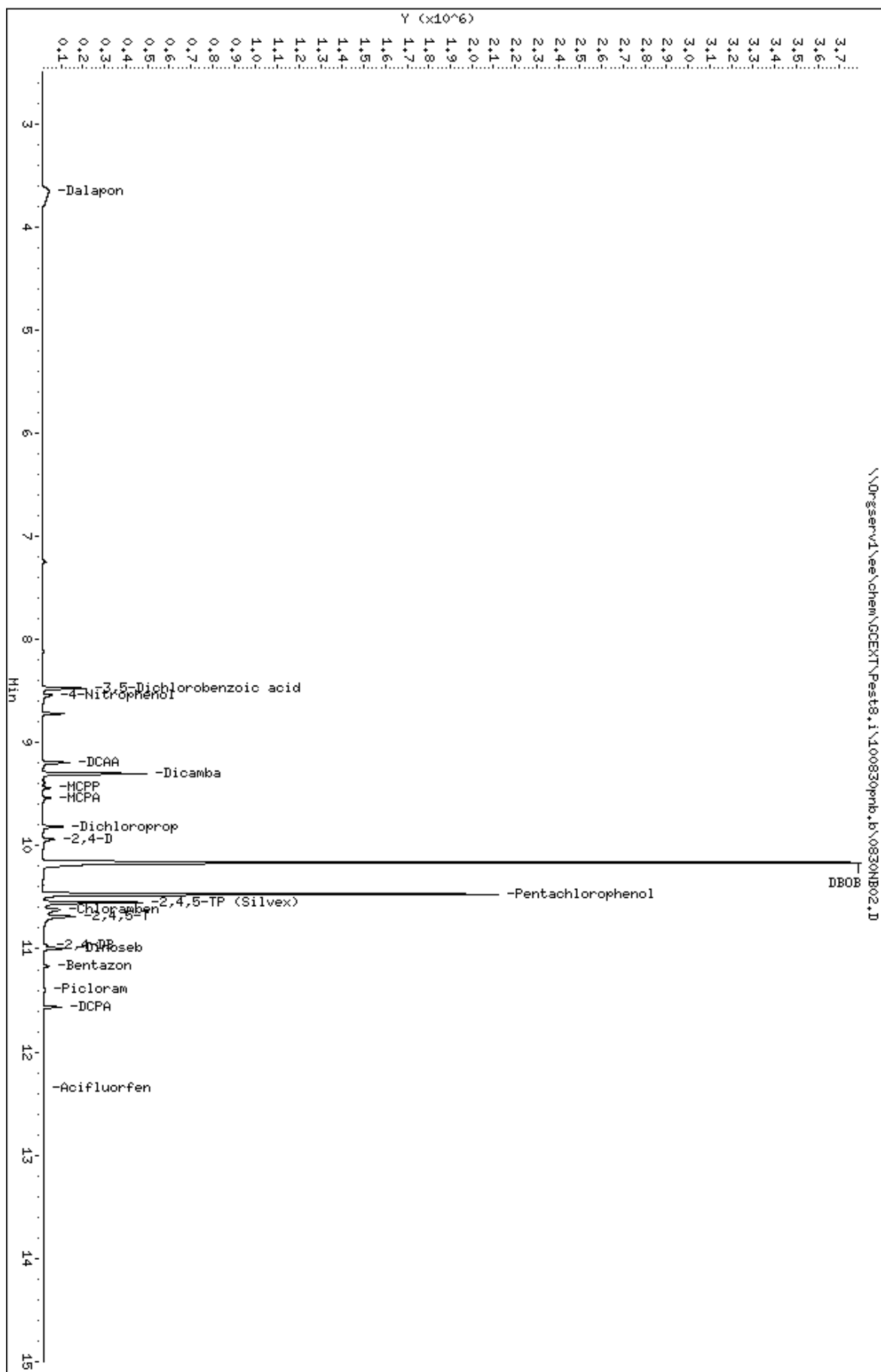
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB02.D
Lab Smp Id:
Inj Date : 30-AUG-2010 11:35
Operator : sh Inst ID: Pest8.i
Smp Info : herb l2
Misc Info : wg429750, wg428877, ICAL5293
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m
Meth Date : 30-Aug-2010 13:42 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 11:15 Cal File: 0830NB01.D
Als bottle: 52 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.657	3.657	(0.360)	229991	0.10000	0.0989	
2 3,5-Dichlorobenzoic acid	8.474	8.474	(0.834)	235782	0.10000	0.107	
3 4-Nitrophenol	8.541	8.541	(0.840)	88409	0.10000	0.109	
\$ 4 DCAA	9.194	9.194	(0.905)	154745	0.10000	0.110	
5 Dicamba	9.301	9.301	(0.915)	535817	0.10000	0.0982	
6 MCPP	9.439	9.439	(0.929)	39495	10.0000	8.27	
7 MCPA	9.537	9.537	(0.938)	49129	10.0000	8.75	
8 Dichloroprop	9.815	9.815	(0.966)	110582	0.10000	0.0922	
9 2,4-D	9.938	9.938	(0.978)	81460	0.10000	0.0918	
* 10 DBOB	10.163	10.163	(1.000)	3945165	0.25000		
11 Pentachlorophenol	10.470	10.470	(1.030)	2230929	0.10000	0.108	
12 2,4,5-TP (Silvex)	10.549	10.549	(1.038)	519989	0.10000	0.0873	
13 Chloramben	10.620	10.620	(1.045)	177867	0.10000	0.0965	
14 2,4,5-T	10.685	10.685	(1.051)	287726	0.10000	0.0851	
15 2,4-DB	10.967	10.967	(1.079)	24070	0.10000	0.154(M)	M4
16 Dinoseb	10.994	10.994	(1.082)	137709	0.10000	0.115(M)	M4
17 Bentazon	11.168	11.168	(1.099)	33437	0.10000	0.0728	
18 Picloram	11.392	11.392	(1.121)	38202	0.10000	0.123	
19 DCPA	11.563	11.563	(1.138)	88090	0.10000	0.0500	
20 Acifluorfen	12.354	12.354	(1.216)	5121	0.10000	0.0205	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NB02.D Calibration Time: 13:15
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m
 Misc Info: wg429750, wg428877, ICAL5293

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
10 DBOB	3511465	1755733	7022930	3945165	12.35

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
10 DBOB	10.16	9.66	10.66	10.16	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB02.D

Date : 30-AUG-2010 11:35

Client ID:

Sample Info: herb 12

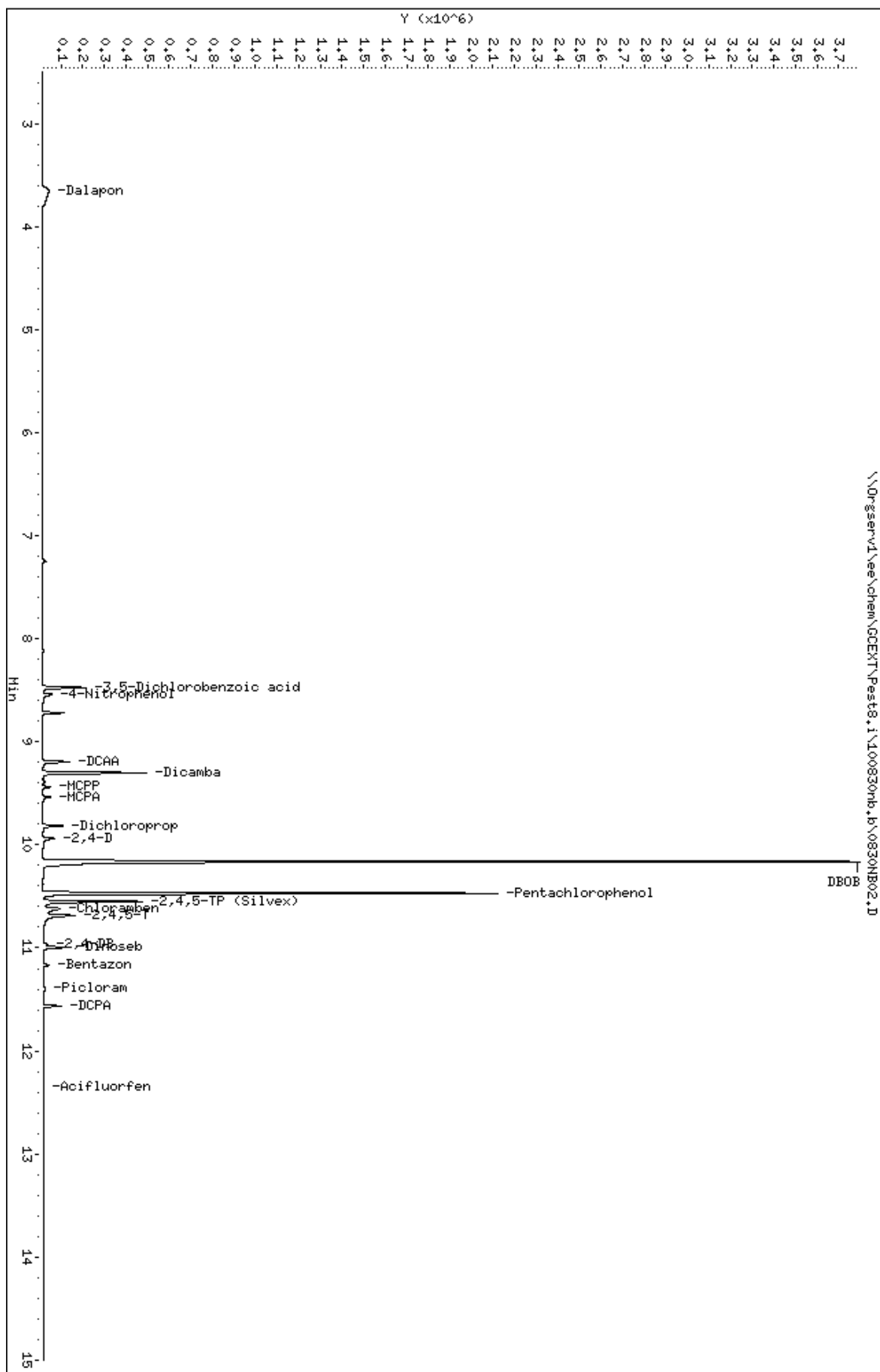
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\0830NB03.D
 Lab Smp Id:
 Inj Date : 30-AUG-2010 11:55
 Operator : sh Inst ID: Pest8.i
 Smp Info : herb l3
 Misc Info : wg429750, wg428877, ICAL5293
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\8151Aherb8b.m
 Meth Date : 30-Aug-2010 13:44 Pest8.i Quant Type: ISTD
 Cal Date : 30-AUG-2010 11:35 Cal File: 0830NB02.D
 Als bottle: 53 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151full.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.658	3.658	(0.360)	458944	0.20000	0.259	
2 3,5-Dichlorobenzoic acid	8.473	8.473	(0.834)	458099	0.20000	0.210	
3 4-Nitrophenol	8.539	8.539	(0.840)	167831	0.20000	0.210	
\$ 4 DCAA	9.193	9.193	(0.905)	306540	0.20000	0.221	
5 Dicamba	9.301	9.301	(0.915)	1101560	0.20000	0.204	
6 MCPP	9.441	9.441	(0.929)	88142	20.0000	18.7	
7 MCPA	9.537	9.537	(0.939)	108984	20.0000	19.6	
8 Dichloroprop	9.814	9.814	(0.966)	244594	0.20000	0.206	
9 2,4-D	9.936	9.936	(0.978)	230278	0.20000	0.198	
* 10 DBOB	10.162	10.162	(1.000)	3897183	0.25000		
11 Pentachlorophenol	10.469	10.469	(1.030)	4468828	0.20000	0.218	
12 2,4,5-TP (Silvex)	10.548	10.548	(1.038)	1272686	0.20000	0.216	
13 Chloramben	10.611	10.611	(1.044)	495099	0.20000	0.194	
14 2,4,5-T	10.681	10.681	(1.051)	876375	0.20000	0.195	
15 2,4-DB	10.961	10.961	(1.079)	75502	0.20000	0.221	
16 Dinoseb	10.992	10.992	(1.082)	398730	0.20000	0.196	
17 Bentazon	11.166	11.166	(1.099)	87357	0.20000	0.193	
18 Picloram	11.386	11.386	(1.120)	137273	0.20000	0.169	
19 DCPA	11.561	11.561	(1.138)	277187	0.20000	0.159	
20 Acifluorfen	12.352	12.352	(1.215)	14586	0.20000	0.0591	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NB03.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\8151Aherb8b.m
 Misc Info: wg429750, wg428877, ICAL5293

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3897183	1948592	7794366	3897183	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.16	9.66	10.66	10.16	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\serv1\ee\chem\GC\EXT\Pest8.i\100830pnb.b\0830NB03.D

Date : 30-AUG-2010 11:55

Client ID:

Sample Info: herb 13

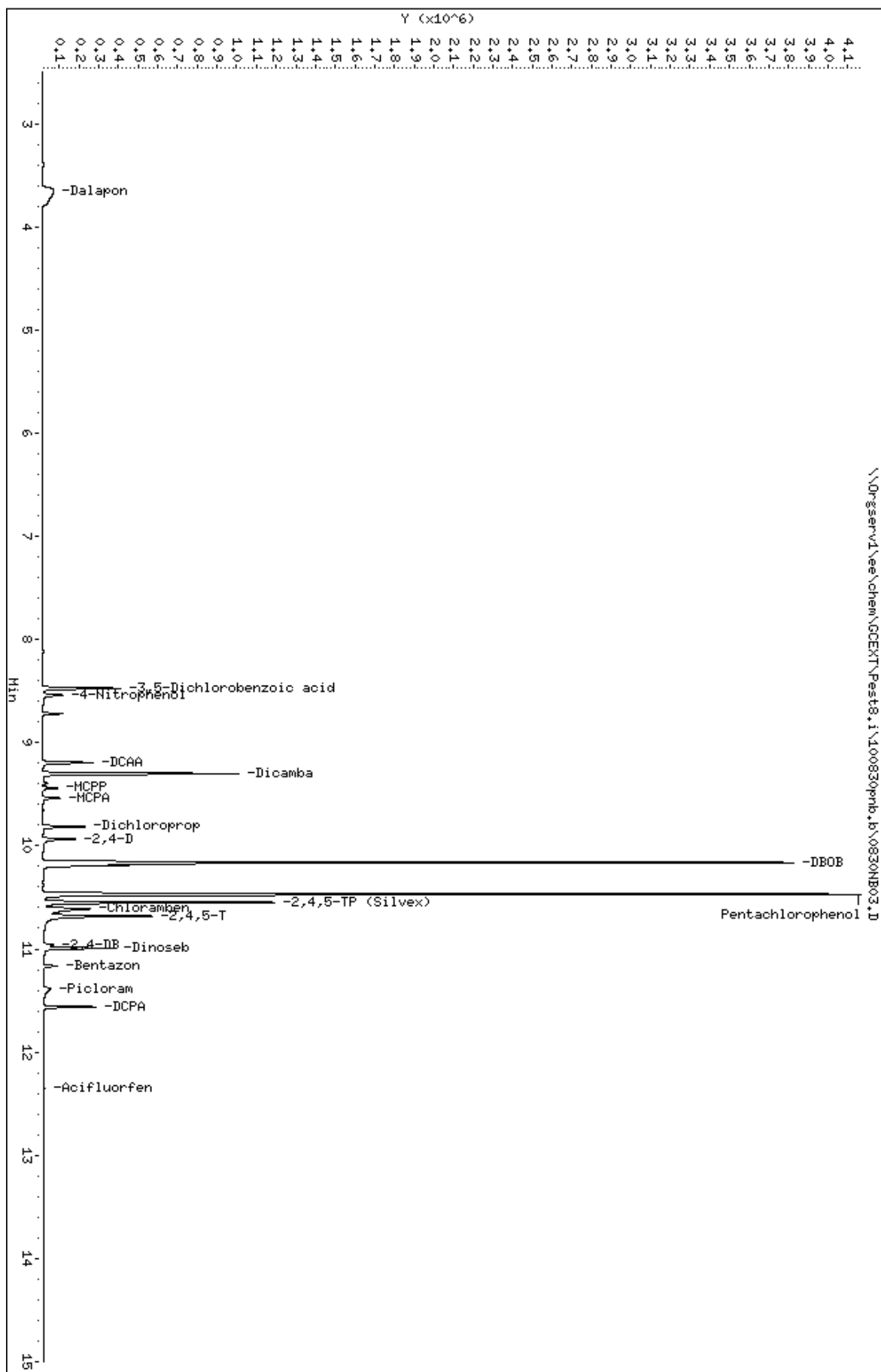
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB03.D
Lab Smp Id:
Inj Date : 30-AUG-2010 11:55
Operator : sh Inst ID: Pest8.i
Smp Info : herb l3
Misc Info : wg429750, wg428877, ICAL5293
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m
Meth Date : 30-Aug-2010 13:42 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 11:35 Cal File: 0830NB02.D
Als bottle: 53 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.658	3.658	(0.360)	458944	0.20000	0.200	
2 3,5-Dichlorobenzoic acid	8.473	8.473	(0.834)	458099	0.20000	0.210	
3 4-Nitrophenol	8.539	8.539	(0.840)	167831	0.20000	0.210	
\$ 4 DCAA	9.193	9.193	(0.905)	306540	0.20000	0.221	
5 Dicamba	9.301	9.301	(0.915)	1101560	0.20000	0.204	
6 MCPP	9.441	9.441	(0.929)	88142	20.0000	18.7	
7 MCPA	9.537	9.537	(0.939)	108984	20.0000	19.6	
8 Dichloroprop	9.814	9.814	(0.966)	244594	0.20000	0.206	
9 2,4-D	9.936	9.936	(0.978)	230278	0.20000	0.198	
* 10 DBOB	10.162	10.162	(1.000)	3897183	0.25000		
11 Pentachlorophenol	10.469	10.469	(1.030)	4468828	0.20000	0.218	
12 2,4,5-TP (Silvex)	10.548	10.548	(1.038)	1272686	0.20000	0.216	
13 Chloramben	10.611	10.611	(1.044)	495099	0.20000	0.194	
14 2,4,5-T	10.681	10.681	(1.051)	856918	0.20000	0.192(M)	M4
15 2,4-DB	10.961	10.961	(1.079)	69935	0.20000	0.213(M)	M4
16 Dinoseb	10.992	10.992	(1.082)	390270	0.20000	0.194(M)	M4
17 Bentazon	11.166	11.166	(1.099)	87357	0.20000	0.193	
18 Picloram	11.386	11.386	(1.120)	137273	0.20000	0.169	
19 DCPA	11.561	11.561	(1.138)	277187	0.20000	0.159	
20 Acifluorfen	12.352	12.352	(1.215)	14586	0.20000	0.0591	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NB03.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m
 Misc Info: wg429750, wg428877, ICAL5293

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3897183	1948592	7794366	3897183	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.16	9.66	10.66	10.16	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB03.D

Date : 30-AUG-2010 11:55

Client ID:

Sample Info: herb 13

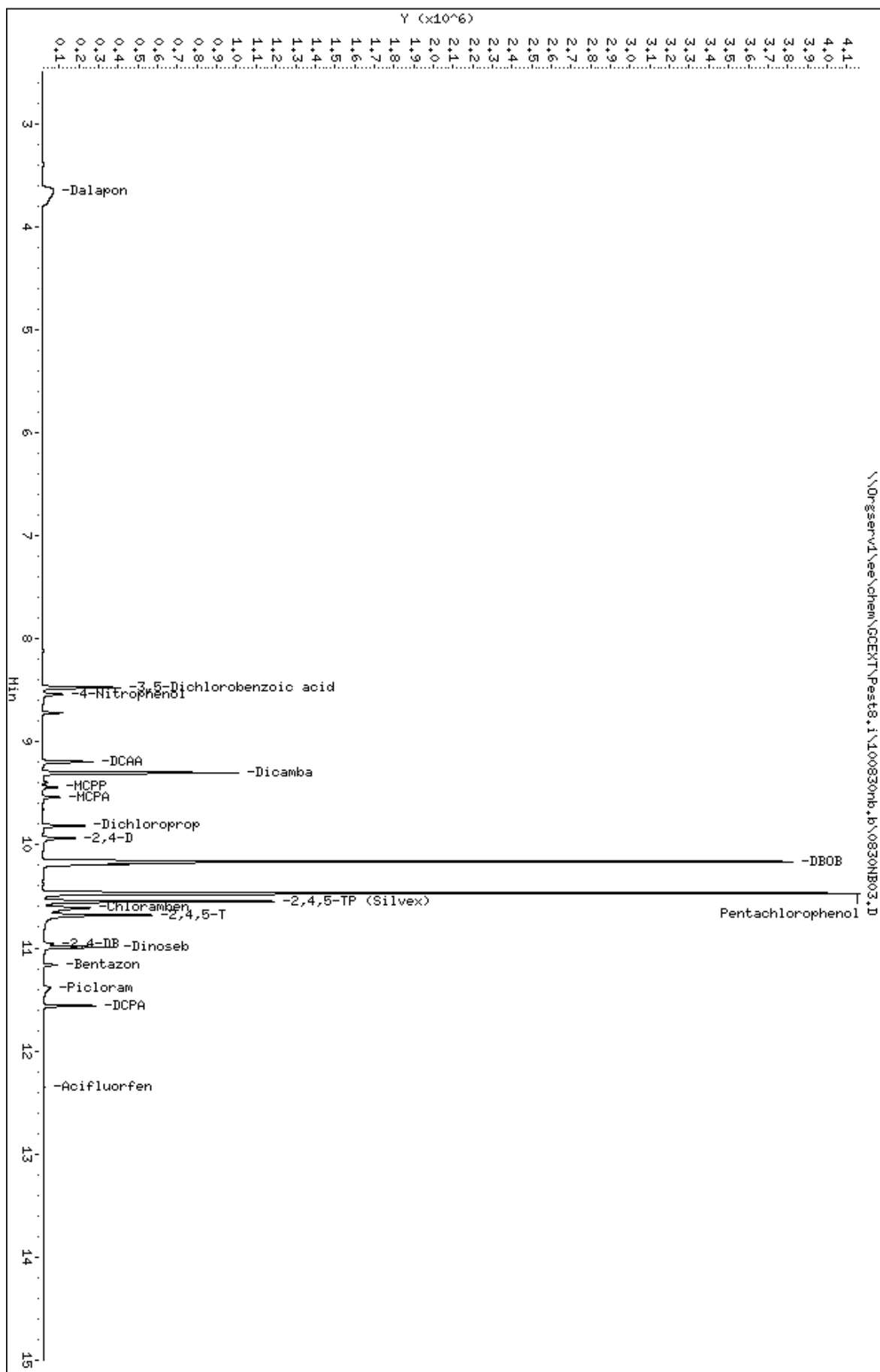
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\0830NB04.D
 Lab Smp Id:
 Inj Date : 30-AUG-2010 12:15
 Operator : sh Inst ID: Pest8.i
 Smp Info : herb l4
 Misc Info : wg429750, wg428877, ICAL5293
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\8151Aherb8b.m
 Meth Date : 30-Aug-2010 13:44 Pest8.i Quant Type: ISTD
 Cal Date : 30-AUG-2010 11:55 Cal File: 0830NB03.D
 Als bottle: 54 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151full.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.659	3.659	(0.360)	1150686	0.50000	0.639	
2 3,5-Dichlorobenzoic acid	8.474	8.474	(0.834)	1100061	0.50000	0.496	
3 4-Nitrophenol	8.537	8.537	(0.840)	395955	0.50000	0.488	
\$ 4 DCAA	9.194	9.194	(0.905)	718065	0.50000	0.510	
5 Dicamba	9.301	9.301	(0.915)	2718261	0.50000	0.496	
6 MCPP	9.444	9.444	(0.929)	233920	50.0000	48.8	
7 MCPA	9.542	9.542	(0.939)	281375	50.0000	49.9	
8 Dichloroprop	9.814	9.814	(0.966)	625061	0.50000	0.519	
9 2,4-D	9.934	9.934	(0.978)	671483	0.50000	0.502	
* 10 DBOB	10.162	10.162	(1.000)	3960018	0.25000		
11 Pentachlorophenol	10.470	10.470	(1.030)	9943347	0.50000	0.478	
12 2,4,5-TP (Silvex)	10.549	10.549	(1.038)	3314348	0.50000	0.554	
13 Chloramben	10.607	10.607	(1.044)	1504194	0.50000	0.496	
14 2,4,5-T	10.679	10.679	(1.051)	2616560	0.50000	0.512	
15 2,4-DB	10.956	10.956	(1.078)	282944	0.50000	0.467	
16 Dinoseb	10.994	10.994	(1.082)	1298273	0.50000	0.461	
17 Bentazon	11.168	11.168	(1.099)	240933	0.50000	0.523	
18 Picloram	11.375	11.375	(1.119)	678572	0.50000	0.410	
19 DCPA	11.565	11.565	(1.138)	1141422	0.50000	0.645	
20 Acifluorfen	12.357	12.357	(1.216)	88360	0.50000	0.352	

Alpha Analytical Labs

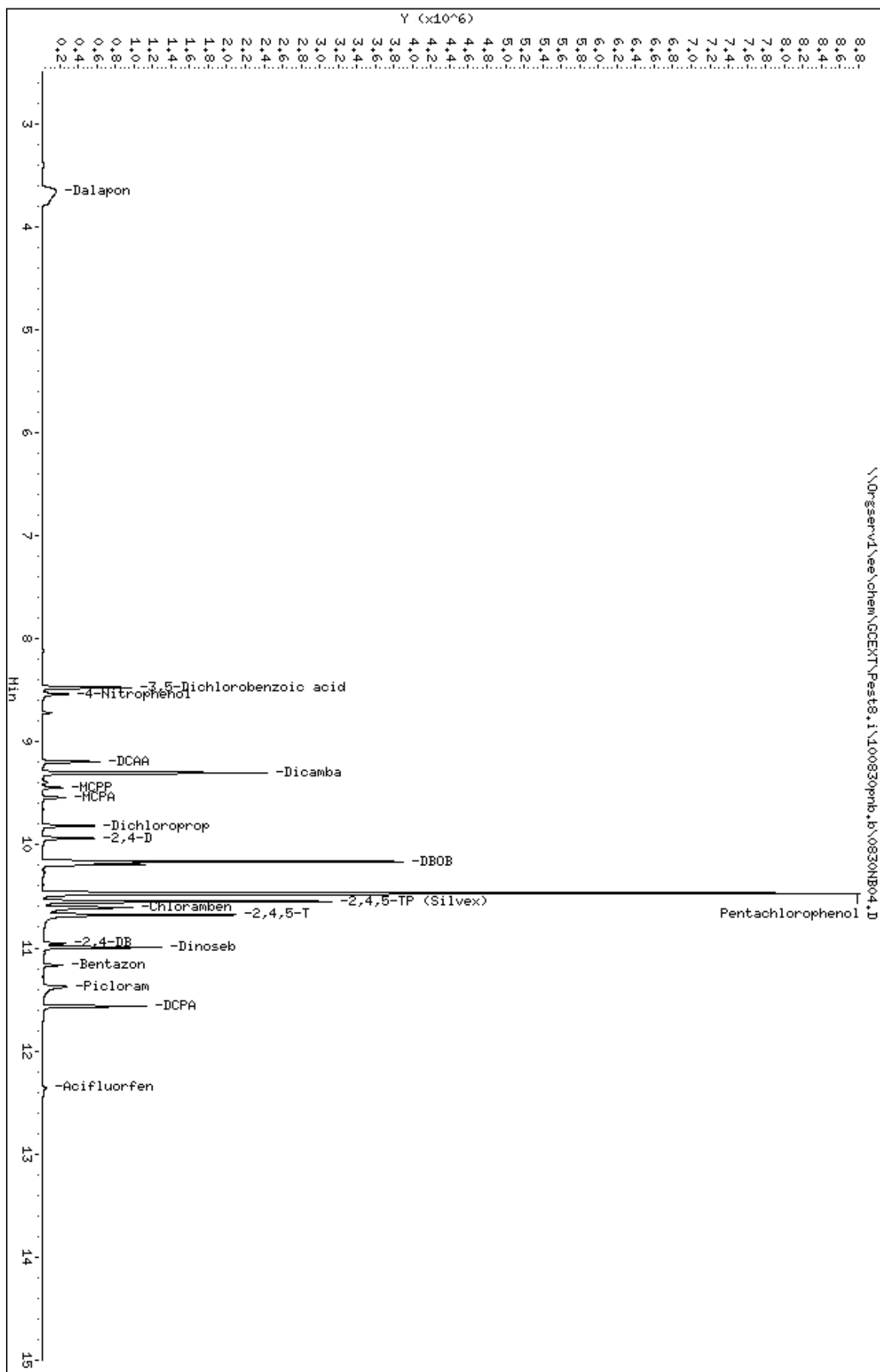
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NB04.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\8151Aherb8b.m
 Misc Info: wg429750, wg428877, ICAL5293

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3897183	1948592	7794366	3960018	1.61

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.16	9.66	10.66	10.16	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB04.D
Lab Smp Id:
Inj Date : 30-AUG-2010 12:15
Operator : sh Inst ID: Pest8.i
Smp Info : herb l4
Misc Info : wg429750, wg428877, ICAL5293
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m
Meth Date : 30-Aug-2010 13:42 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 11:55 Cal File: 0830NB03.D
Als bottle: 54 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.659	3.659	(0.360)	1150686	0.50000	0.493	
2 3,5-Dichlorobenzoic acid	8.474	8.474	(0.834)	1100061	0.50000	0.496	
3 4-Nitrophenol	8.537	8.537	(0.840)	395955	0.50000	0.488	
\$ 4 DCAA	9.194	9.194	(0.905)	718065	0.50000	0.510	
5 Dicamba	9.301	9.301	(0.915)	2718261	0.50000	0.496	
6 MCPP	9.444	9.444	(0.929)	233920	50.0000	48.8	
7 MCPA	9.542	9.542	(0.939)	281375	50.0000	49.9	
8 Dichloroprop	9.814	9.814	(0.966)	625061	0.50000	0.519	
9 2,4-D	9.934	9.934	(0.978)	671483	0.50000	0.502	
* 10 DBOB	10.162	10.162	(1.000)	3960018	0.25000		
11 Pentachlorophenol	10.470	10.470	(1.030)	9943347	0.50000	0.478	
12 2,4,5-TP (Silvex)	10.549	10.549	(1.038)	3314348	0.50000	0.554	
13 Chloramben	10.607	10.607	(1.044)	1504194	0.50000	0.496	
14 2,4,5-T	10.679	10.679	(1.051)	2616560	0.50000	0.512	
15 2,4-DB	10.956	10.956	(1.078)	270789	0.50000	0.465(M)	M4
16 Dinoseb	10.994	10.994	(1.082)	1280827	0.50000	0.462(M)	M4
17 Bentazon	11.168	11.168	(1.099)	240933	0.50000	0.523	
18 Picloram	11.375	11.375	(1.119)	678572	0.50000	0.410	
19 DCPA	11.565	11.565	(1.138)	1141422	0.50000	0.645	
20 Acifluorfen	12.357	12.357	(1.216)	88360	0.50000	0.352	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NB04.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m
 Misc Info: wg429750, wg428877, ICAL5293

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3897183	1948592	7794366	3960018	1.61

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.16	9.66	10.66	10.16	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB04.D

Date : 30-AUG-2010 12:15

Client ID:

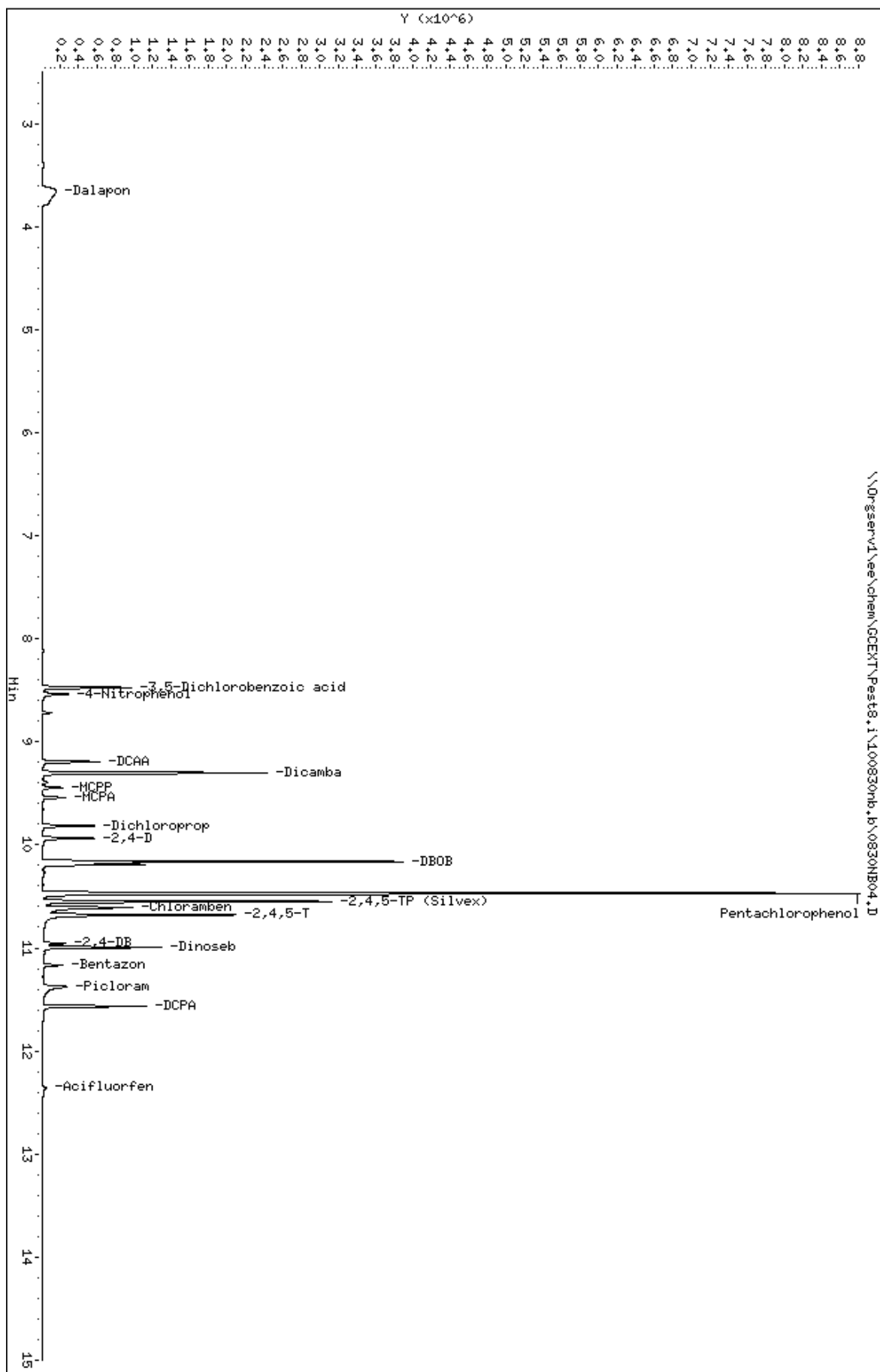
Sample Info: herb 14

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

Column phase:



Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\0830NB05.D
Lab Smp Id:
Inj Date : 30-AUG-2010 12:35
Operator : sh Inst ID: Pest8.i
Smp Info : herb l5
Misc Info : wg429750, wg428877, ICAL5293
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\8151Aherb8b.m
Meth Date : 30-Aug-2010 13:44 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 12:15 Cal File: 0830NB04.D
Als bottle: 55 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.657	3.657	(0.360)	646975	1.00000	0.368	
2 3,5-Dichlorobenzoic acid	8.473	8.473	(0.834)	1996141	1.00000	0.923	
3 4-Nitrophenol	8.537	8.537	(0.840)	742951	1.00000	0.938	
\$ 4 DCAA	9.193	9.193	(0.905)	1332819	1.00000	0.970	
5 Dicamba	9.301	9.301	(0.915)	4963866	1.00000	0.929	
6 MCPP	9.448	9.448	(0.930)	464959	100.000	99.4	
7 MCPA	9.546	9.546	(0.939)	548878	100.000	99.8	
8 Dichloroprop	9.814	9.814	(0.966)	1189756	1.00000	1.01	
9 2,4-D	9.933	9.933	(0.978)	1328225	1.00000	0.982	
* 10 DBOB	10.162	10.162	(1.000)	3862585	0.25000		
11 Pentachlorophenol	10.470	10.470	(1.030)	16376606	1.00000	0.807	
12 2,4,5-TP (Silvex)	10.548	10.548	(1.038)	6019851	1.00000	1.03	
13 Chloramben	10.606	10.606	(1.044)	3019570	1.00000	0.975	
14 2,4,5-T	10.679	10.679	(1.051)	5152005	1.00000	1.00	
15 2,4-DB	10.955	10.955	(1.078)	641977	1.00000	0.914	
16 Dinoseb	10.994	10.994	(1.082)	2878843	1.00000	0.951	
17 Bentazon	11.168	11.168	(1.099)	482711	1.00000	1.07	
18 Picloram	11.368	11.368	(1.119)	2015847	1.00000	1.03	
19 DCPA	11.567	11.567	(1.138)	2977188	1.00000	1.72	
20 Acifluorfen	12.357	12.357	(1.216)	322038	1.00000	1.32	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i
 Lab File ID: 0830NB05.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\8151Aherb8b.m
 Misc Info: wg429750, wg428877, ICAL5293

Calibration Date: 30-AUG-2010
 Calibration Time: 11:55
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3897183	1948592	7794366	3862585	-0.89

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.16	9.66	10.66	10.16	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\serv1\ee\chem\GC\EXT\Pest8.i\100830pnb.b\0830NB05.D

Date : 30-AUG-2010 12:35

Client ID:

Sample Info: herb 15

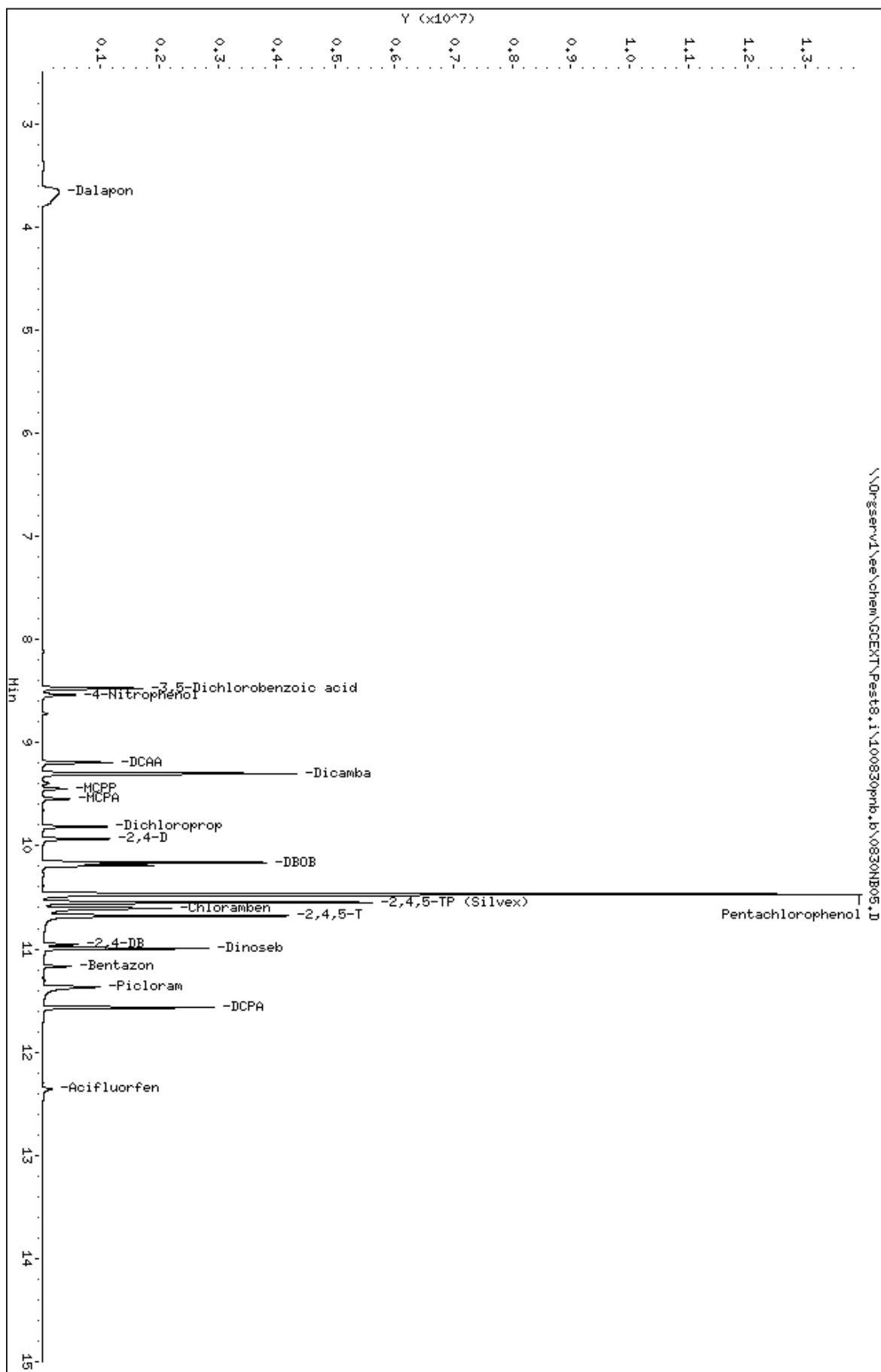
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB05.D
Lab Smp Id:
Inj Date : 30-AUG-2010 12:35
Operator : sh Inst ID: Pest8.i
Smp Info : herb l5
Misc Info : wg429750, wg428877, ICAL5293
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m
Meth Date : 30-Aug-2010 13:43 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 12:15 Cal File: 0830NB04.D
Als bottle: 55 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.662	3.662	(0.360)	2174695	1.00000	0.955(M)	M4
2 3,5-Dichlorobenzoic acid	8.473	8.473	(0.834)	1996141	1.00000	0.923	
3 4-Nitrophenol	8.537	8.537	(0.840)	742951	1.00000	0.938	
\$ 4 DCAA	9.193	9.193	(0.905)	1332819	1.00000	0.970	
5 Dicamba	9.301	9.301	(0.915)	4963866	1.00000	0.929	
6 MCPP	9.448	9.448	(0.930)	464959	100.000	99.4	
7 MCPA	9.546	9.546	(0.939)	548878	100.000	99.8	
8 Dichloroprop	9.814	9.814	(0.966)	1189756	1.00000	1.01	
9 2,4-D	9.933	9.933	(0.978)	1328225	1.00000	0.982	
* 10 DBOB	10.162	10.162	(1.000)	3862585	0.25000		
11 Pentachlorophenol	10.470	10.470	(1.030)	16376606	1.00000	0.807	
12 2,4,5-TP (Silvex)	10.548	10.548	(1.038)	6019851	1.00000	1.03	
13 Chloramben	10.606	10.606	(1.044)	3019570	1.00000	0.975	
14 2,4,5-T	10.679	10.679	(1.051)	5152005	1.00000	1.00	
15 2,4-DB	10.955	10.955	(1.078)	627562	1.00000	0.935(M)	M4
16 Dinoseb	10.994	10.994	(1.082)	2858797	1.00000	0.961(M)	M4
17 Bentazon	11.168	11.168	(1.099)	482711	1.00000	1.07	
18 Picloram	11.368	11.368	(1.119)	2015847	1.00000	1.03	
19 DCPA	11.567	11.567	(1.138)	2977188	1.00000	1.72	
20 Acifluorfen	12.357	12.357	(1.216)	322038	1.00000	1.32	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NB05.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m
 Misc Info: wg429750, wg428877, ICAL5293

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3897183	1948592	7794366	3862585	-0.89

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.16	9.66	10.66	10.16	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB05.D

Date : 30-AUG-2010 12:35

Client ID:

Sample Info: herb 15

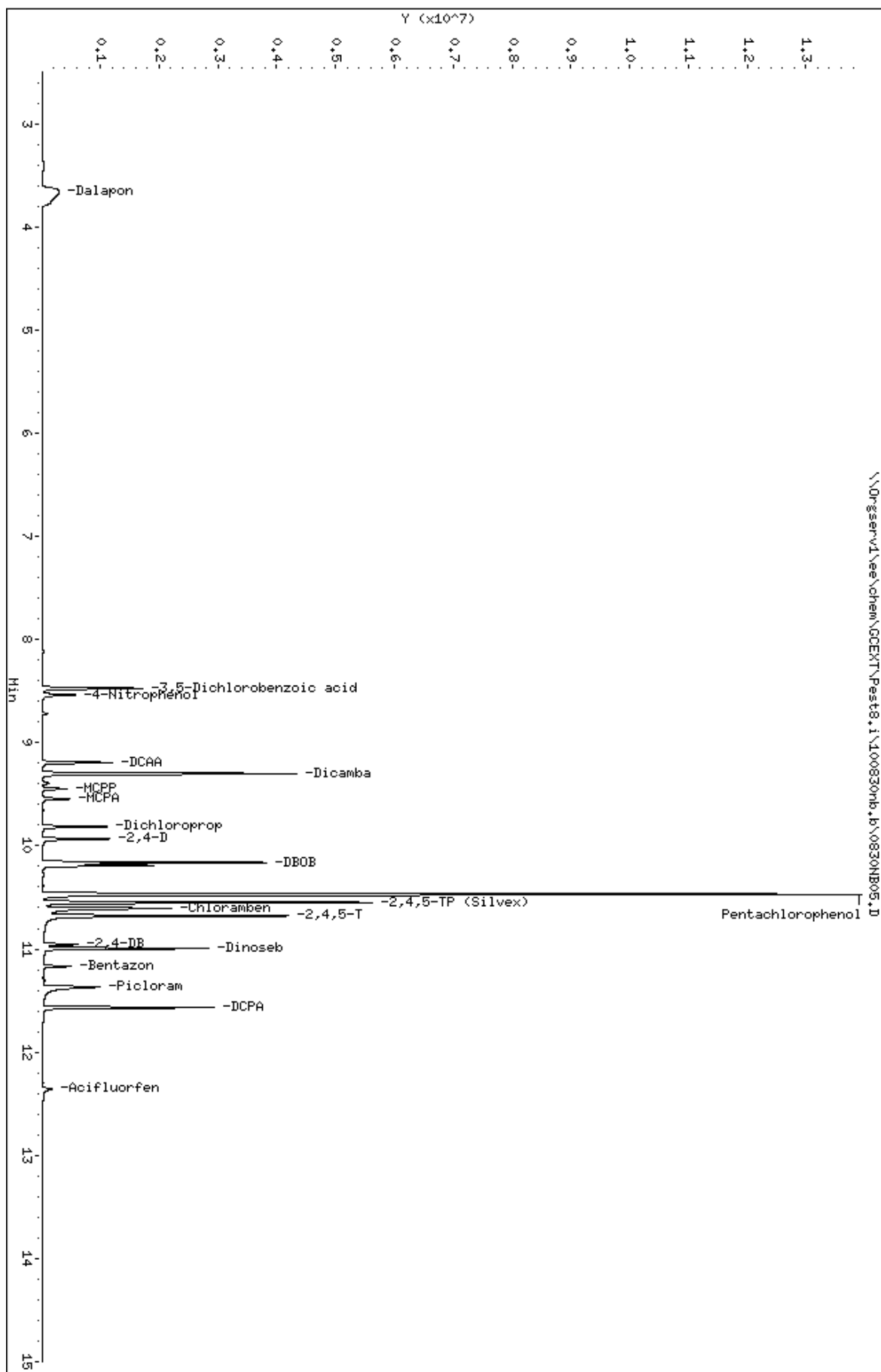
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\0830NB06.D
Lab Smp Id:
Inj Date : 30-AUG-2010 12:55
Operator : sh Inst ID: Pest8.i
Smp Info : herb l6
Misc Info : wg429750, wg428877, ICAL5293
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\8151Aherb8b.m
Meth Date : 30-Aug-2010 13:44 Pest8.i Quant Type: ISTD
Cal Date : 30-AUG-2010 12:35 Cal File: 0830NB05.D
Als bottle: 56 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8151full.sub
Target Version: 4.12
Processing Host: KRISTINF

					AMOUNTS		
Compounds	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	REVIEW CODE
=====	====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.659	3.659	(0.360)	1410787	2.00000	0.819	
2 3,5-Dichlorobenzoic acid	8.473	8.473	(0.834)	3727439	2.00000	1.76	
3 4-Nitrophenol	8.537	8.537	(0.840)	1451858	2.00000	1.87	
\$ 4 DCAA	9.194	9.194	(0.905)	2589591	2.00000	1.92	
5 Dicamba	9.302	9.302	(0.915)	9082526	2.00000	1.73	
6 MCPP	9.455	9.455	(0.930)	959227	200.000	209	
7 MCPA	9.555	9.555	(0.940)	1115101	200.000	207	
8 Dichloroprop	9.816	9.816	(0.966)	2380499	2.00000	2.07	
9 2,4-D	9.934	9.934	(0.978)	2711761	2.00000	2.01	
* 10 DBOB	10.162	10.162	(1.000)	3785692	0.25000		
11 Pentachlorophenol	10.471	10.471	(1.030)	26924583	2.00000	1.35	
12 2,4,5-TP (Silvex)	10.548	10.548	(1.038)	10958523	2.00000	1.92	
13 Chloramben	10.606	10.606	(1.044)	6252987	2.00000	2.01	
14 2,4,5-T	10.678	10.678	(1.051)	10233782	2.00000	2.00	
15 2,4-DB	10.955	10.955	(1.078)	1533152	2.00000	2.04	
16 Dinoseb	10.995	10.995	(1.082)	6294762	2.00000	2.03	
17 Bentazon	11.168	11.168	(1.099)	1117656	2.00000	2.54	
18 Picloram	11.362	11.362	(1.118)	6106435	2.00000	2.96	
19 DCPA	11.566	11.566	(1.138)	7518913	2.00000	4.45	
20 Acifluorfen	12.352	12.352	(1.216)	1527575	2.00000	6.37	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NB06.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\8151Aherb8b.m
 Misc Info: wg429750, wg428877, ICAL5293

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3897183	1948592	7794366	3785692	-2.86

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.16	9.66	10.66	10.16	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\serv1\ee\chem\GC\EXT\Pest8.i\100830pnb.b\0830NB06.D

Date : 30-AUG-2010 12:55

Client ID:

Sample Info: herb 16

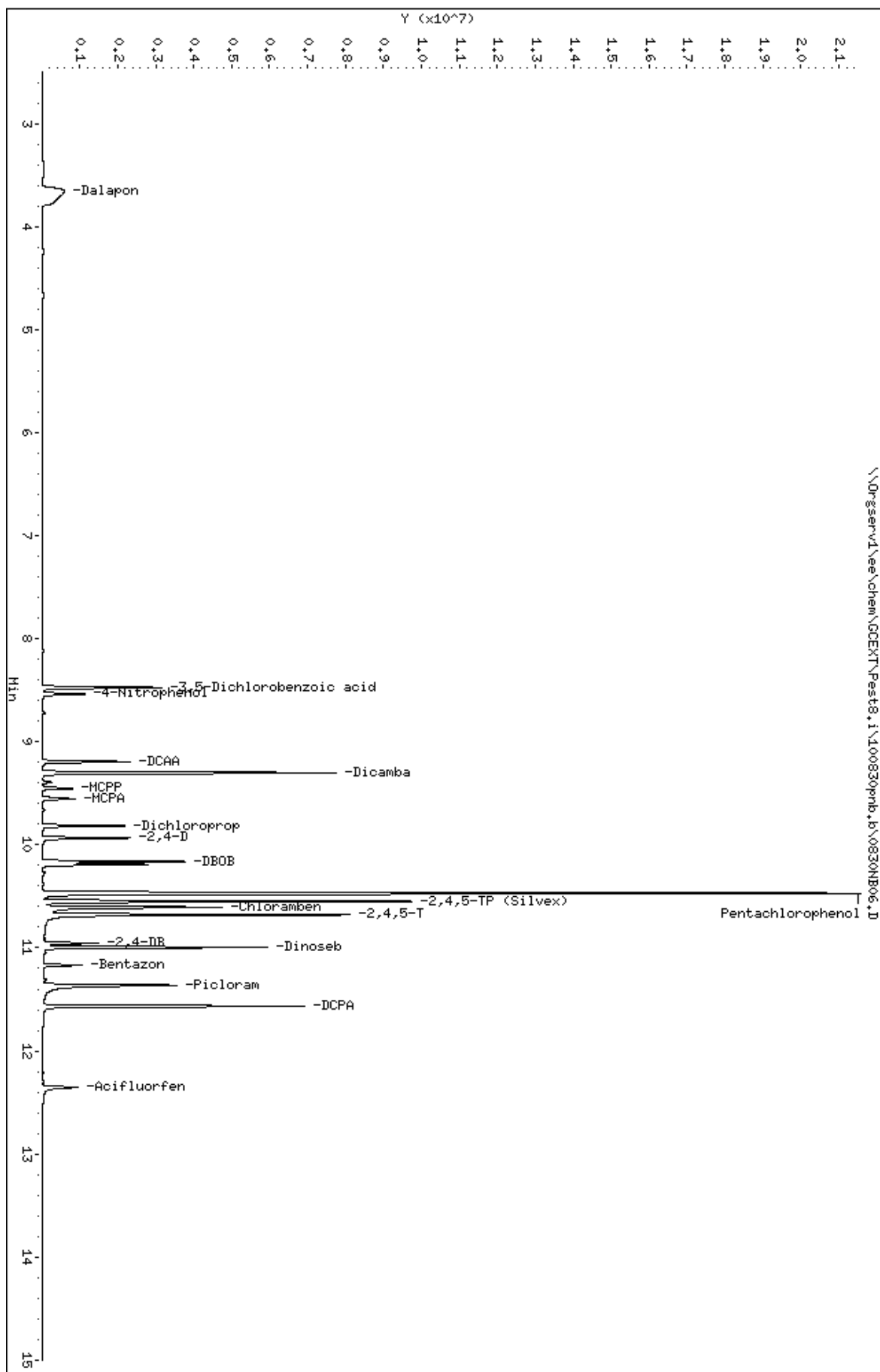
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB06.D
 Lab Smp Id:
 Inj Date : 30-AUG-2010 12:55
 Operator : sh Inst ID: Pest8.i
 Smp Info : herb l6
 Misc Info : wg429750, wg428877, ICAL5293
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m
 Meth Date : 30-Aug-2010 13:43 Pest8.i Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:35 Cal File: 0830NB05.D
 Als bottle: 56 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151full.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.662	3.662	(0.360)	4530106	2.00000	2.03(M)	M4
2 3,5-Dichlorobenzoic acid	8.473	8.473	(0.834)	3727439	2.00000	1.76	
3 4-Nitrophenol	8.537	8.537	(0.840)	1451858	2.00000	1.87	
\$ 4 DCAA	9.194	9.194	(0.905)	2589591	2.00000	1.92	
5 Dicamba	9.302	9.302	(0.915)	9082526	2.00000	1.73	
6 MCPP	9.455	9.455	(0.930)	959227	200.000	209	
7 MCPA	9.555	9.555	(0.940)	1115101	200.000	207	
8 Dichloroprop	9.816	9.816	(0.966)	2380499	2.00000	2.07	
9 2,4-D	9.934	9.934	(0.978)	2711761	2.00000	2.01	
* 10 DBOB	10.162	10.162	(1.000)	3785692	0.25000		
11 Pentachlorophenol	10.471	10.471	(1.030)	26924583	2.00000	1.35	
12 2,4,5-TP (Silvex)	10.548	10.548	(1.038)	10958523	2.00000	1.92	
13 Chloramben	10.606	10.606	(1.044)	6252987	2.00000	2.01	
14 2,4,5-T	10.678	10.678	(1.051)	10233782	2.00000	2.00	
15 2,4-DB	10.955	10.955	(1.078)	1446149	2.00000	2.03(M)	M4
16 Dinoseb	10.995	10.995	(1.082)	6159555	2.00000	2.02(M)	M4
17 Bentazon	11.168	11.168	(1.099)	1117656	2.00000	2.54	
18 Picloram	11.362	11.362	(1.118)	6106435	2.00000	2.96	
19 DCPA	11.566	11.566	(1.138)	7518913	2.00000	4.45	
20 Acifluorfen	12.352	12.352	(1.216)	1527575	2.00000	6.37	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NB06.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m
 Misc Info: wg429750, wg428877, ICAL5293

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3897183	1948592	7794366	3785692	-2.86

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.16	9.66	10.66	10.16	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeriv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB06.D

Date : 30-AUG-2010 12:55

Client ID:

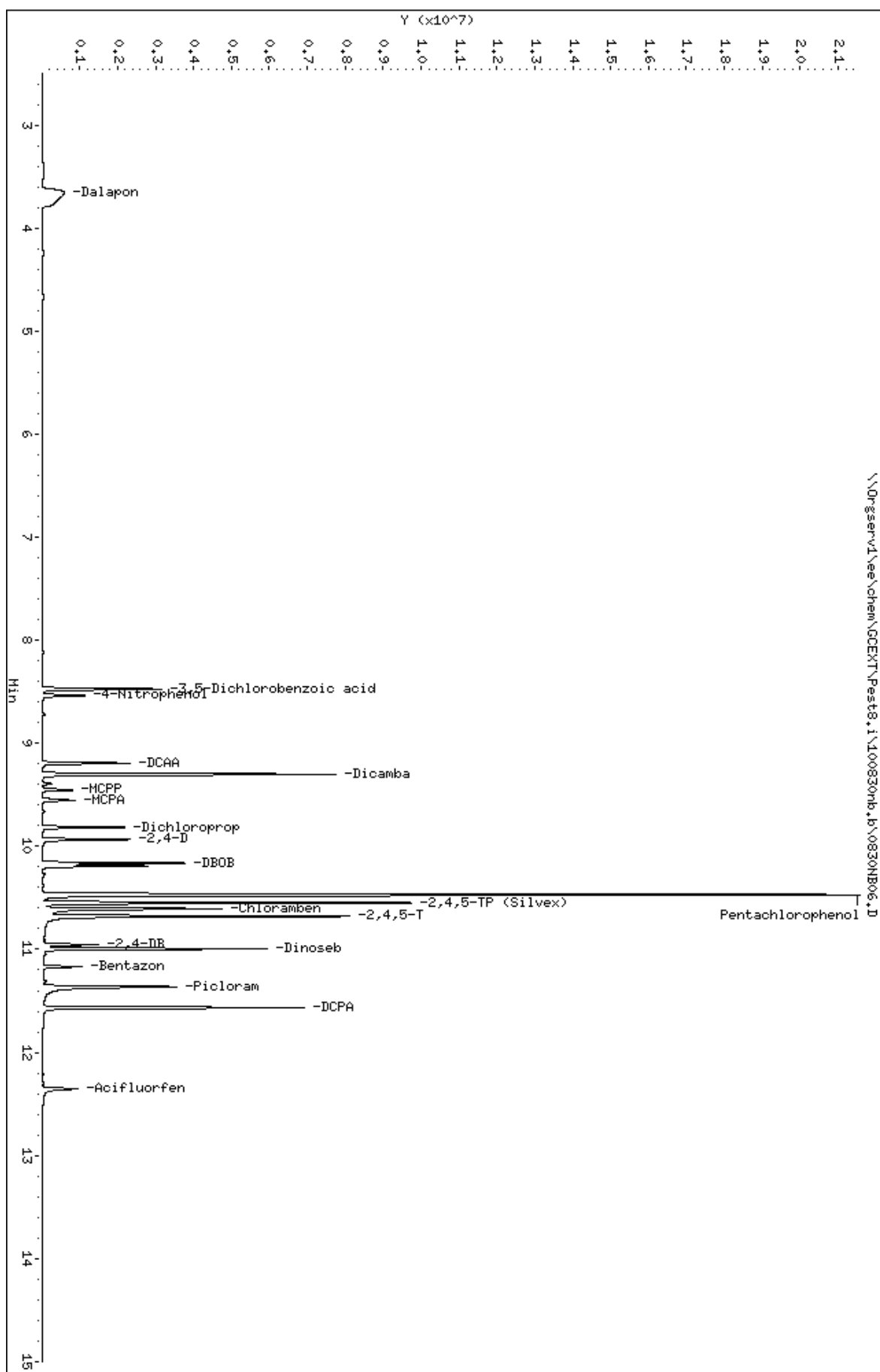
Sample Info: herb 16

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

Column phase:



Initial Calibration Verification

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest8.i Injection Date: 30-AUG-2010 13:15
 Lab File ID: 0830NB07.D Init. Cal. Date(s): 09-AUG-2010 30-AUG-2010
 Analysis Type: Init. Cal. Times: 16:31 12:55
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m

COMPOUND	RRF / AMOUNT	RF0.200	CCAL RRF0.200	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dalapon	0.14737	0.15113	0.15113	0.010	-2.55383	15.00000	Averaged
4 DCAA	0.08897	0.10179	0.10179	0.010	-14.40649	15.00000	Averaged
5 Dicamba	0.34578	0.36179	0.36179	0.010	-4.63057	15.00000	Averaged
6 MCPP	0.00030	0.00027	0.00027	0.010	10.70692	15.00000	Averaged
7 MCPA	0.00036	0.00034	0.00034	0.010	5.59912	15.00000	Averaged
8 Dichloroprop	0.07599	0.08383	0.08383	0.010	-10.32254	15.00000	Averaged
9 2,4-D	0.20000	0.18252	0.06699	0.010	8.73909	15.00000	Linear
12 2,4,5-TP (Silvex)	0.37760	0.40337	0.40337	0.010	-6.82540	15.00000	Averaged
14 2,4,5-T	0.20000	0.16828	0.23420	0.010	15.85920	15.00000	Linear
15 2,4-DB	0.20000	0.23508	0.02791	0.010	-17.54132	15.00000	Linear
16 Dinoseb	0.20000	0.21033	0.14249	0.010	-5.16726	15.00000	Linear

Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\0830NB07.D
 Lab Smp Id: :
 Inj Date : 30-AUG-2010 13:15
 Operator : sh Inst ID: Pest8.i
 Smp Info : +herb cc hrb271
 Misc Info : wg429750, wg428877, ICAL5293
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\8151Aherb8b.m
 Meth Date : 30-Aug-2010 13:44 Pest8.i Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NB06.D
 Als bottle: 57 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151mcp.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.654	3.654	(0.360)	119886	0.20000	0.0750	
\$ 4 DCAA	9.194	9.194	(0.905)	285936	0.20000	0.229	
5 Dicamba	9.301	9.301	(0.915)	1016328	0.20000	0.209	
6 MCPP	9.440	9.440	(0.929)	75936	20.0000	17.8	
7 MCPA	9.538	9.538	(0.939)	94353	20.0000	18.9	
8 Dichloroprop	9.815	9.815	(0.966)	235496	0.20000	0.221	
* 10 DBOB	10.163	10.163	(1.000)	3511465	0.25000		
9 2,4-D	9.936	9.936	(0.978)	188179	0.20000	0.182	
12 2,4,5-TP (Silvex)	10.549	10.549	(1.038)	1133130	0.20000	0.214	
14 2,4,5-T	10.682	10.682	(1.051)	657902	0.20000	0.167	
15 2,4-DB	10.960	10.960	(1.078)	78395	0.20000	0.235	
16 Dinoseb	10.995	10.995	(1.082)	400280	0.20000	0.210	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NB07.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830pnb.b\8151Aherb8b.m
 Misc Info: wg429750, wg428877, ICAL5293

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3897183	1948592	7794366	3511465	-9.90

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.16	9.66	10.66	10.16	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgera1\ee\chem\GCEXT\Pest8.i\100830pnb.b\0830NB07.D

Date : 30-AUG-2010 13:15

Client ID:

Sample Info: herb co hrb271

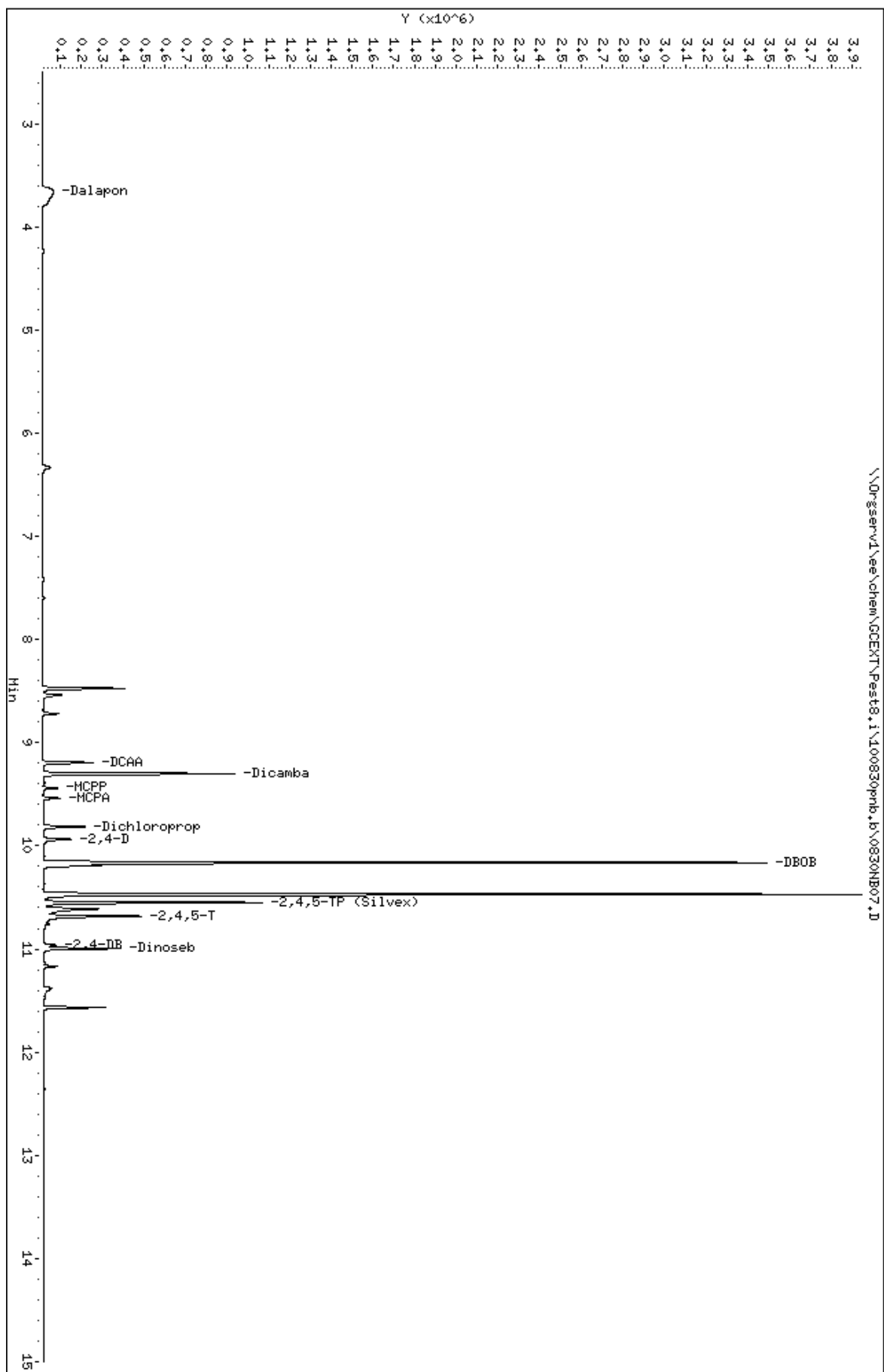
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

Page 3



Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB07.D
 Lab Smp Id:
 Inj Date : 30-AUG-2010 13:15
 Operator : sh Inst ID: Pest8.i
 Smp Info : +herb cc hrb271
 Misc Info : wg429750, wg428877, ICAL5293
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m
 Meth Date : 30-Aug-2010 13:43 Pest8.i Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NB06.D
 Als bottle: 57 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151mcp.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.659	3.659	(0.360)	424558	0.20000	0.205(M)	M4
\$ 4 DCAA	9.194	9.194	(0.905)	285936	0.20000	0.229	
5 Dicamba	9.301	9.301	(0.915)	1016328	0.20000	0.209	
6 MCPP	9.440	9.440	(0.929)	75936	20.0000	17.8	
7 MCPA	9.538	9.538	(0.939)	94353	20.0000	18.9	
8 Dichloroprop	9.815	9.815	(0.966)	235496	0.20000	0.221	
* 10 DBOB	10.163	10.163	(1.000)	3511465	0.25000		
9 2,4-D	9.936	9.936	(0.978)	188179	0.20000	0.182	
12 2,4,5-TP (Silvex)	10.549	10.549	(1.038)	1133130	0.20000	0.214	
14 2,4,5-T	10.682	10.682	(1.051)	657902	0.20000	0.168	
15 2,4-DB	10.960	10.960	(1.078)	78395	0.20000	0.235	
16 Dinoseb	10.995	10.995	(1.082)	400280	0.20000	0.210	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 30-AUG-2010
 Lab File ID: 0830NB07.D Calibration Time: 11:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100830nb.b\8151Aherb8b.m
 Misc Info: wg429750, wg428877, ICAL5293

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3897183	1948592	7794366	3511465	-9.90

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.16	9.66	10.66	10.16	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeriv1\ee\chem\GCEXT\Pest8.i\100830nb.b\0830NB07.D

Date : 30-AUG-2010 13:15

Client ID:

Sample Info: herb co hrh271

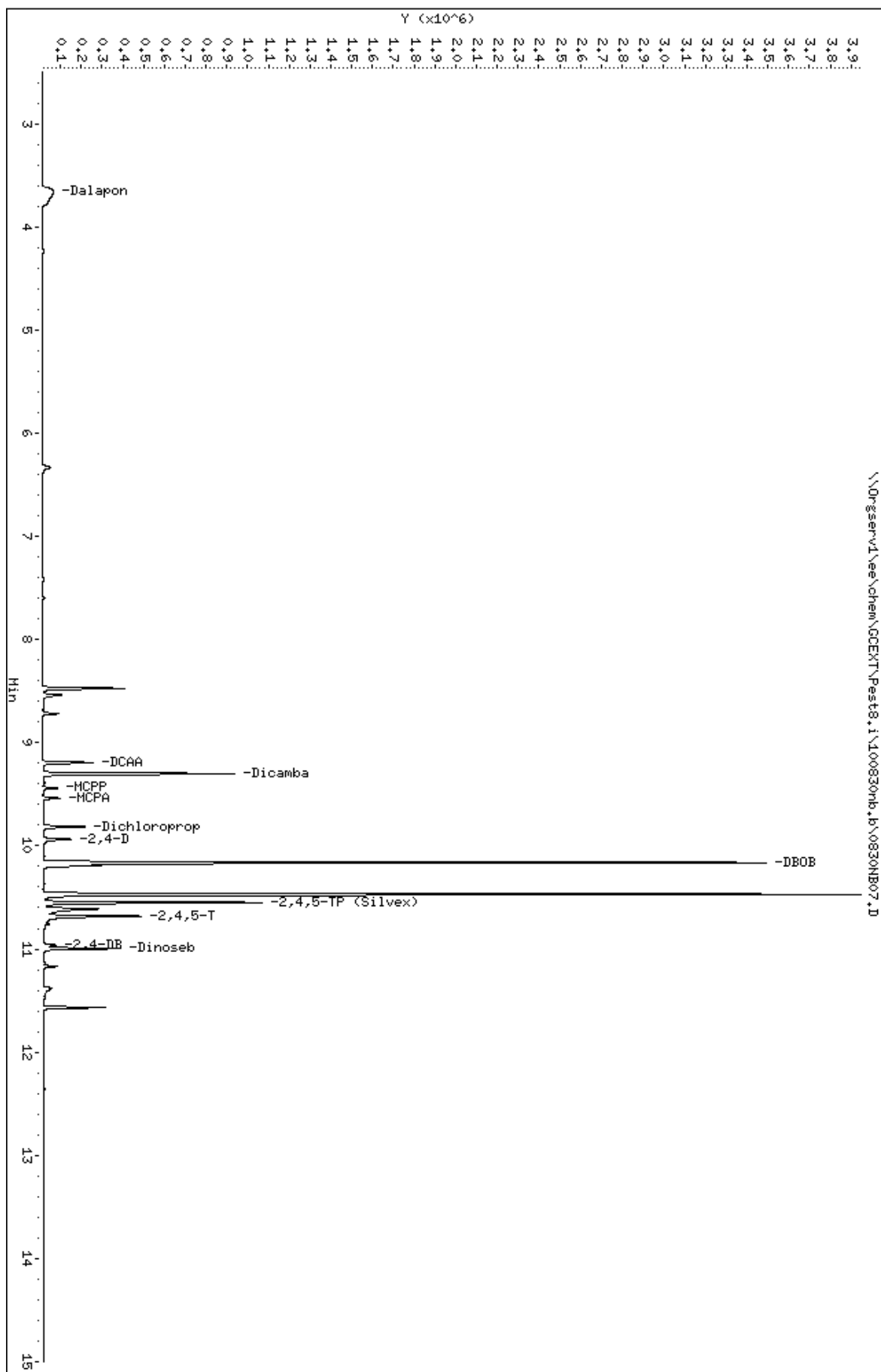
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

Page 3



Continuing Calibration

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST8.I Calibration Date: 31-AUG-2010 Time: 06:34

Lab File ID: 0831A001.D Init. Calib. Date(s): 26-AUG-2010 30-AUG-2010

Sample No: +herb cc hrb271 Init. Calib. Times : 16:03 12:55

Injection Time: 31-AUG-2010 06:34

COMPOUND	RRF / AMOUNT	RF0.200	CCAL RF0.200	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dalapon	0.19444	0.18959	0.18959	0.010	2.49401	15.00000	Averaged
4 DCAA	0.11069	0.12154	0.12154	0.010	-9.80489	15.00000	Averaged
5 Dicamba	0.40032	0.37318	0.37318	0.010	6.77915	15.00000	Averaged
6 MCPP	0.00043	0.00036	0.00036	0.010	15.55667	15.00000	Averaged
7 MCPA	0.00051	0.00045	0.00045	0.010	10.57477	15.00000	Averaged
8 Dichloroprop	0.09297	0.09002	0.09002	0.010	3.17299	15.00000	Averaged
9 2,4-D	0.08269	0.06812	0.06812	0.010	17.62150	15.00000	Averaged
12 2,4,5-TP (Silvex)	0.43397	0.41297	0.41297	0.010	4.83908	15.00000	Averaged
14 2,4,5-T	0.20000	0.17278	0.21496	0.010	13.60925	15.00000	Linear
15 2,4-DB	0.20000	0.21666	0.02799	0.010	-8.32866	15.00000	Linear
16 Dinoseb	0.20000	0.14341	0.05944	0.010	28.29599	15.00000	Linear

FORM VII HERB-APA

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST8.I Calibration Date: 31-AUG-2010 Time: 09:49

Lab File ID: 0831A007.D Init. Calib. Date(s): 26-AUG-2010 30-AUG-2010

Sample No: +herb cc hrb271 Init. Calib. Times : 16:03 12:55

Injection Time: 31-AUG-2010 09:49

COMPOUND	RRF / AMOUNT	RF0.200	CCAL RRF0.200	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dalapon	0.19444	0.19252	0.19252	0.010	0.98366	15.00000	Averaged
4 DCAA	0.11069	0.12655	0.12655	0.010	-14.32996	15.00000	Averaged
5 Dicamba	0.40032	0.41395	0.41395	0.010	-3.40581	15.00000	Averaged
6 MCPP	0.00043	0.00041	0.00041	0.010	4.35009	15.00000	Averaged
7 MCPA	0.00051	0.00054	0.00054	0.010	-6.94349	15.00000	Averaged
8 Dichloroprop	0.09297	0.10695	0.10695	0.010	-15.03870	15.00000	Averaged<-
9 2,4-D	0.08269	0.09658	0.09658	0.010	-16.79798	15.00000	Averaged<-
12 2,4,5-TP (Silvex)	0.43397	0.51432	0.51432	0.010	-18.51343	15.00000	Averaged<-
14 2,4,5-T	0.20000	0.25185	0.34193	0.010	-25.92495	15.00000	Linear<-
15 2,4-DB	0.20000	0.26040	0.03993	0.010	-30.19915	15.00000	Linear<-
16 Dinoseb	0.20000	0.23396	0.16034	0.010	-16.97917	15.00000	Linear<-

FORM VII HERB-APA

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST8.I Calibration Date: 31-AUG-2010 Time: 06:34

Lab File ID: 0831B001.D Init. Calib. Date(s): 09-AUG-2010 30-AUG-2010

Sample No: +herb cc hrb271 Init. Calib. Times : 16:31 12:55

Injection Time: 31-AUG-2010 06:34

COMPOUND	RRF / AMOUNT	RF0.200	CCAL RRF0.200	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dalapon	0.14737	0.13506	0.13506	0.010	8.34939	15.00000	Averaged
\$ 4 DCAA	0.08897	0.09931	0.09931	0.010	-11.62377	15.00000	Averaged
5 Dicamba	0.34578	0.31700	0.31700	0.010	8.32394	15.00000	Averaged
6 MCPP	0.00030	0.00024	0.00024	0.010	20.60316	15.00000	Averaged <-
7 MCPA	0.00036	0.00031	0.00031	0.010	12.50850	15.00000	Averaged
8 Dichloroprop	0.07599	0.07767	0.07767	0.010	-2.21372	15.00000	Averaged
9 2,4-D	0.20000	0.17518	0.06366	0.010	12.40877	15.00000	Linear
12 2,4,5-TP (Silvex)	0.37760	0.37584	0.37584	0.010	0.46385	15.00000	Averaged
14 2,4,5-T	0.20000	0.16207	0.22351	0.010	18.96698	15.00000	Linear <-
15 2,4-DB	0.20000	0.23733	0.02847	0.010	-18.66373	15.00000	Linear <-
16 Dinoseb	0.20000	0.12943	0.05817	0.010	35.28340	15.00000	Linear <-

FORM VII HERB-APA

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST8.I Calibration Date: 31-AUG-2010 Time: 09:49

Lab File ID: 0831B007.D Init. Calib. Date(s): 09-AUG-2010 30-AUG-2010

Sample No: +herb cc hrb271 Init. Calib. Times : 16:31 12:55

Injection Time: 31-AUG-2010 09:49

COMPOUND	RRF / AMOUNT	RF0.200	CCAL RRF0.200	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dalapon	0.14737	0.14736	0.14736	0.010	0.00941	15.00000	Averaged
4 DCAA	0.08897	0.10128	0.10128	0.010	-13.83607	15.00000	Averaged
5 Dicamba	0.34578	0.35602	0.35602	0.010	-2.96214	15.00000	Averaged
6 MCPP	0.00030	0.00028	0.00028	0.010	8.94438	15.00000	Averaged
7 MCPA	0.00036	0.00037	0.00037	0.010	-4.18932	15.00000	Averaged
8 Dichloroprop	0.07599	0.09327	0.09327	0.010	-22.74854	15.00000	Averaged
9 2,4-D	0.20000	0.24431	0.09503	0.010	-22.15648	15.00000	Linear
12 2,4,5-TP (Silvex)	0.37760	0.48093	0.48093	0.010	-27.36615	15.00000	Averaged
14 2,4,5-T	0.20000	0.25166	0.37759	0.010	-25.83183	15.00000	Linear
15 2,4-DB	0.20000	0.27577	0.03809	0.010	-37.88508	15.00000	Linear
16 Dinoseb	0.20000	0.24260	0.17612	0.010	-21.29960	15.00000	Linear

FORM VII HERB-APA

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest8.i Injection Date: 31-AUG-2010 06:34
 Lab File ID: 0831A001.D Init. Cal. Date(s): 26-AUG-2010 30-AUG-2010
 Analysis Type: Init. Cal. Times: 16:03 12:55
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m

COMPOUND	RRF / AMOUNT	RF0.200	CCAL RRF0.200	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dalapon	0.19444	0.18959	0.18959	0.010	2.49401	15.00000	Averaged
4 DCAA	0.11069	0.12154	0.12154	0.010	-9.80489	15.00000	Averaged
5 Dicamba	0.40032	0.37318	0.37318	0.010	6.77915	15.00000	Averaged
6 MCPP	0.00043	0.00036	0.00036	0.010	15.55667	15.00000	Averaged<-
7 MCPA	0.00051	0.00045	0.00045	0.010	10.57477	15.00000	Averaged
8 Dichloroprop	0.09297	0.09002	0.09002	0.010	3.17299	15.00000	Averaged
9 2,4-D	0.08269	0.06812	0.06812	0.010	17.62150	15.00000	Averaged<-
12 2,4,5-TP (Silvex)	0.43397	0.41297	0.41297	0.010	4.83908	15.00000	Averaged
14 2,4,5-T	0.20000	0.17278	0.21496	0.010	13.60925	15.00000	Linear
15 2,4-DB	0.20000	0.21666	0.02799	0.010	-8.32866	15.00000	Linear
16 Dinoseb	0.20000	0.14341	0.05944	0.010	28.29599	15.00000	Linear<-

Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\0831A001.D
 Lab Smp Id: :
 Inj Date : 31-AUG-2010 06:34
 Operator : sh Inst ID: Pest8.i
 Smp Info : +herb cc hrb271
 Misc Info : wg430105, wg429737, ICAL5298
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
 Meth Date : 31-Aug-2010 09:34 Pest8.i Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NA06.D
 Als bottle: 1 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151mcp.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.229	4.229	(0.402)	436374	0.20000	0.195	
\$ 4 DCAA	9.775	9.775	(0.928)	279756	0.20000	0.220	
5 Dicamba	9.944	9.944	(0.944)	858949	0.20000	0.186	
6 MCPP	10.049	10.049	(0.954)	83077	20.0000	16.9	
7 MCPA	10.236	10.236	(0.972)	104340	20.0000	17.9	
8 Dichloroprop	10.446	10.446	(0.992)	207195	0.20000	0.194	
* 10 DBOB	10.533	10.533	(1.000)	2877136	0.25000		
9 2,4-D	10.671	10.671	(1.013)	156791	0.20000	0.165	
12 2,4,5-TP (Silvex)	11.084	11.084	(1.052)	950545	0.20000	0.190	
14 2,4,5-T	11.320	11.320	(1.075)	494778	0.20000	0.173	
15 2,4-DB	11.536	11.536	(1.095)	64435	0.20000	0.217	
16 Dinoseb	11.858	11.858	(1.126)	136807	0.20000	0.143	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 31-AUG-2010
 Lab File ID: 0831A001.D Calibration Time: 09:07
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
 Misc Info: wg430105, wg429737, ICAL5298

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2951455	1475728	5902910	2877136	-2.52

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\serv1\ee\chem\GCEXT\Pest8.i\100831a,b\0831A001.D

Date : 31-AUG-2010 06:34

Client ID:

Sample Info: herb co hrh271

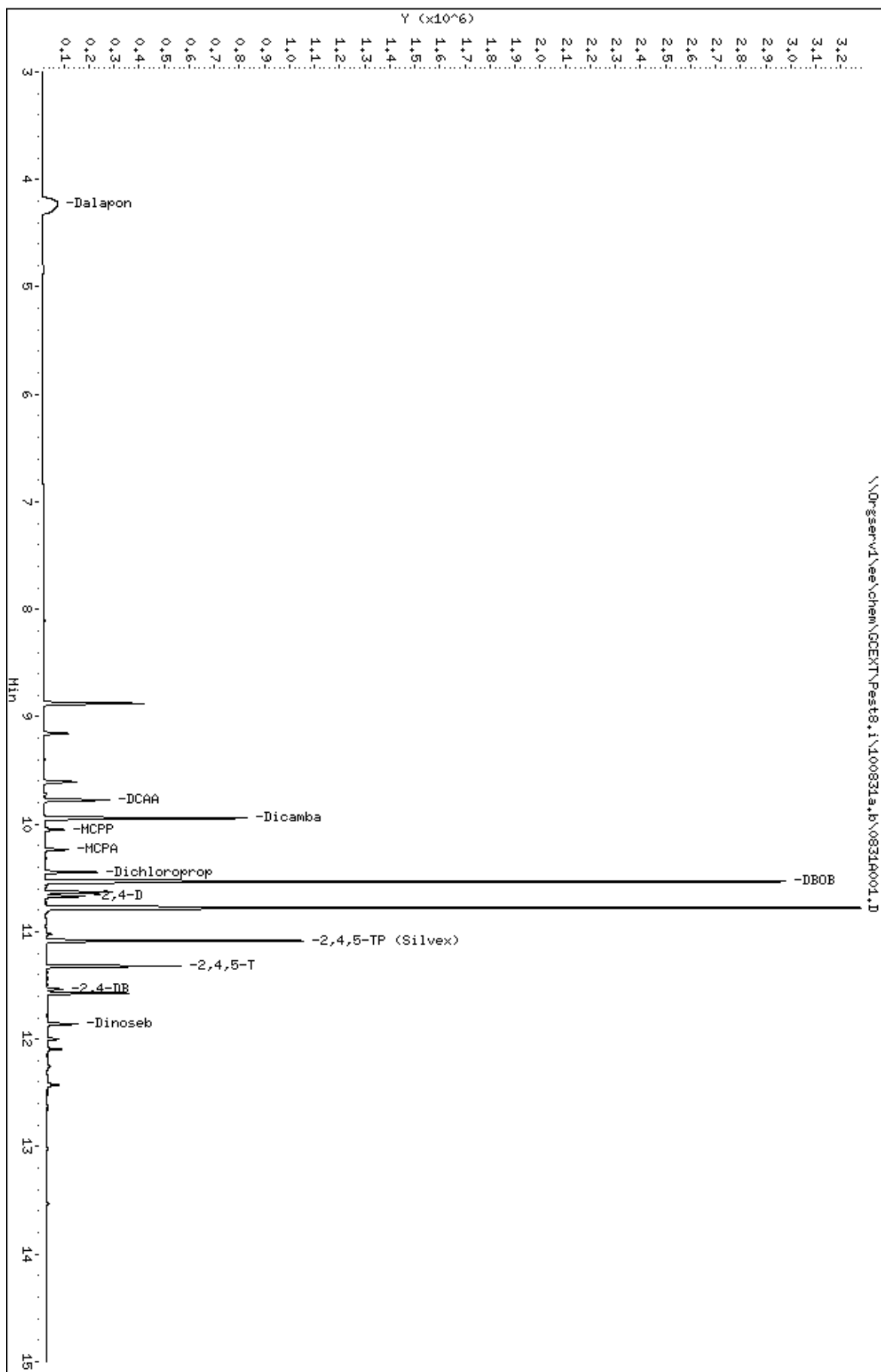
Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

Column phase:

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Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest8.i Injection Date: 31-AUG-2010 09:49
 Lab File ID: 0831A007.D Init. Cal. Date(s): 26-AUG-2010 30-AUG-2010
 Analysis Type: Init. Cal. Times: 16:03 12:55
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m

COMPOUND	RRF / AMOUNT	RF0.200	CCAL RRF0.200	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dalapon	0.19444	0.19252	0.19252	0.010	0.98366	15.00000	Averaged
4 DCAA	0.11069	0.12655	0.12655	0.010	-14.32996	15.00000	Averaged
5 Dicamba	0.40032	0.41395	0.41395	0.010	-3.40581	15.00000	Averaged
6 MCPP	0.00043	0.00041	0.00041	0.010	4.35009	15.00000	Averaged
7 MCPA	0.00051	0.00054	0.00054	0.010	-6.94349	15.00000	Averaged
8 Dichloroprop	0.09297	0.10695	0.10695	0.010	-15.03870	15.00000	Averaged<-
9 2,4-D	0.08269	0.09658	0.09658	0.010	-16.79798	15.00000	Averaged<-
12 2,4,5-TP (Silvex)	0.43397	0.51432	0.51432	0.010	-18.51343	15.00000	Averaged<-
14 2,4,5-T	0.20000	0.25185	0.34193	0.010	-25.92495	15.00000	Linear<-
15 2,4-DB	0.20000	0.26040	0.03993	0.010	-30.19915	15.00000	Linear<-
16 Dinoseb	0.20000	0.23396	0.16034	0.010	-16.97917	15.00000	Linear<-

Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831pa.b\0831A007.D
 Lab Smp Id:
 Inj Date : 31-AUG-2010 09:49
 Operator : sh Inst ID: Pest8.i
 Smp Info : +herb cc hrb271
 Misc Info : wg430105, wg429737, ICAL5298
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831pa.b\8151Aherb8a.m
 Meth Date : 31-Aug-2010 10:08 Pest8.i Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NA06.D
 Als bottle: 7 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151mcp.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.221	4.221	(0.401)	225665	0.20000	0.0948	
\$ 4 DCAA	9.773	9.773	(0.928)	309745	0.20000	0.229	
5 Dicamba	9.943	9.943	(0.944)	1013178	0.20000	0.207	
6 MCPP	10.048	10.048	(0.954)	100066	20.0000	19.1	
7 MCPA	10.235	10.235	(0.972)	132688	20.0000	21.4	
8 Dichloroprop	10.446	10.446	(0.992)	261766	0.20000	0.230	
* 10 DBOB	10.534	10.534	(1.000)	3059475	0.25000		
9 2,4-D	10.673	10.673	(1.013)	236390	0.20000	0.234	
12 2,4,5-TP (Silvex)	11.093	11.093	(1.053)	1258833	0.20000	0.237	
14 2,4,5-T	11.335	11.335	(1.076)	836905	0.20000	0.252	
15 2,4-DB	11.525	11.525	(1.094)	1862	0.20000	0.117	
16 Dinoseb	11.844	11.844	(1.124)	3668	0.20000	0.0914	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 31-AUG-2010
 Lab File ID: 0831A007.D Calibration Time: 06:34
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831pa.b\8151Aherb8a.m
 Misc Info: wg430105, wg429737, ICAL5298

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2877136	1438568	5754272	3059475	6.34

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest8.i\100834pa.b\0831A007.D

Date : 31-AUG-2010 09:49

Client ID:

Sample Info: herb co hrh271

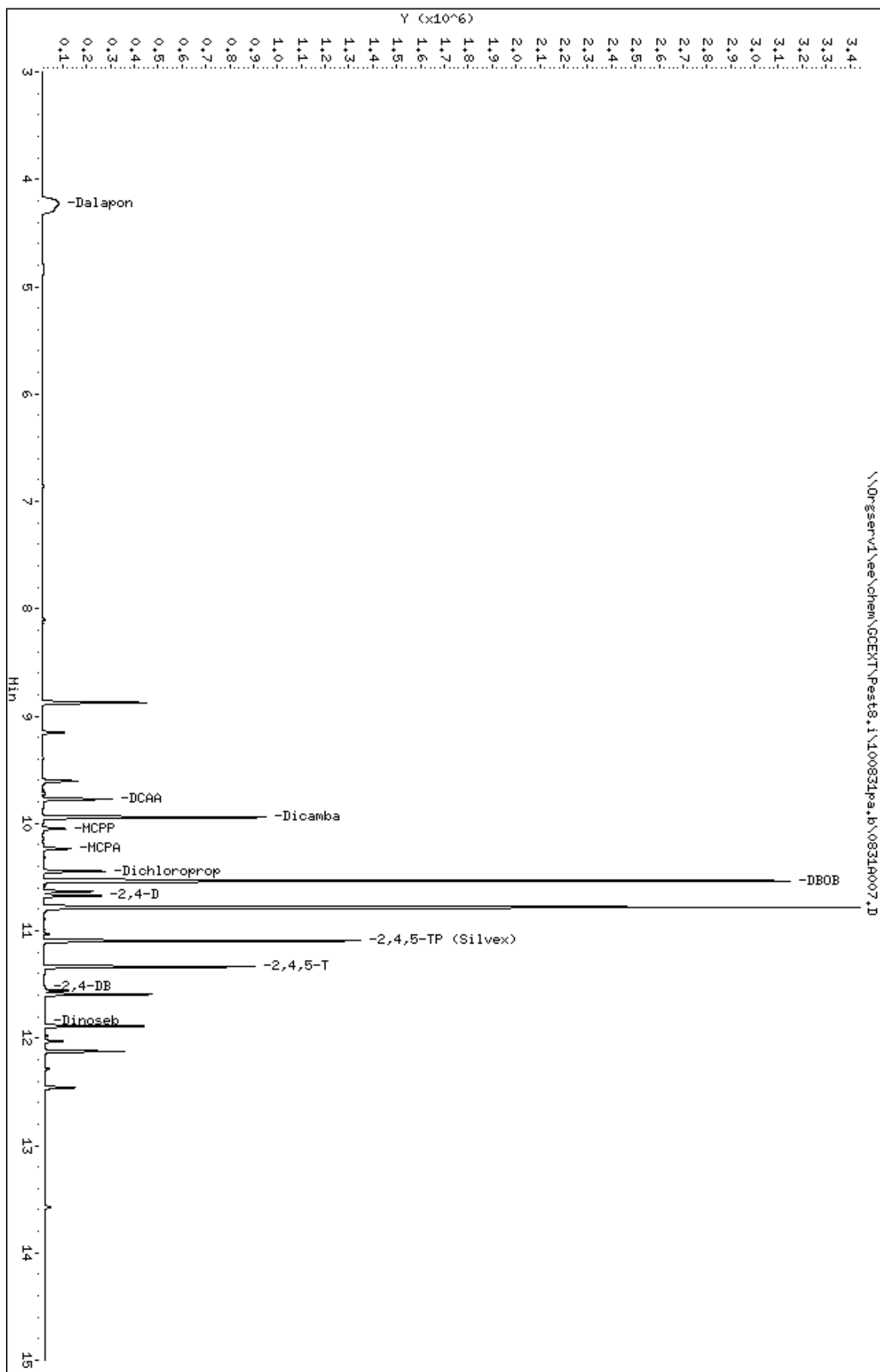
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\0831A007.D
 Lab Smp Id:
 Inj Date : 31-AUG-2010 09:49
 Operator : sh Inst ID: Pest8.i
 Smp Info : +herb cc hrb271
 Misc Info : wg430105, wg429737, ICAL5298
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
 Meth Date : 31-Aug-2010 10:09 Pest8.i Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NA06.D
 Als bottle: 7 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151mcp.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	4.228	4.228	(0.401)	471217	0.20000	0.198(M)	M4
\$ 4 DCAA	9.773	9.773	(0.928)	309745	0.20000	0.229	
5 Dicamba	9.943	9.943	(0.944)	1013178	0.20000	0.207	
6 MCPP	10.048	10.048	(0.954)	100066	20.0000	19.1	
7 MCPA	10.235	10.235	(0.972)	132688	20.0000	21.4	
8 Dichloroprop	10.446	10.446	(0.992)	261766	0.20000	0.230	
* 10 DBOB	10.534	10.534	(1.000)	3059475	0.25000		
9 2,4-D	10.673	10.673	(1.013)	236390	0.20000	0.234	
12 2,4,5-TP (Silvex)	11.093	11.093	(1.053)	1258833	0.20000	0.237	
14 2,4,5-T	11.335	11.335	(1.076)	836905	0.20000	0.252	
15 2,4-DB	11.556	11.556	(1.097)	97743	0.20000	0.260	
16 Dinoseb	11.888	11.888	(1.128)	392450	0.20000	0.234	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 31-AUG-2010
 Lab File ID: 0831A007.D Calibration Time: 09:07
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
 Misc Info: wg430105, wg429737, ICAL5298

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2951455	1475728	5902910	3059475	3.66

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest8.i\100831a,b\0831A007.D

Date : 31-AUG-2010 09:49

Client ID:

Sample Info: herb co hrb271

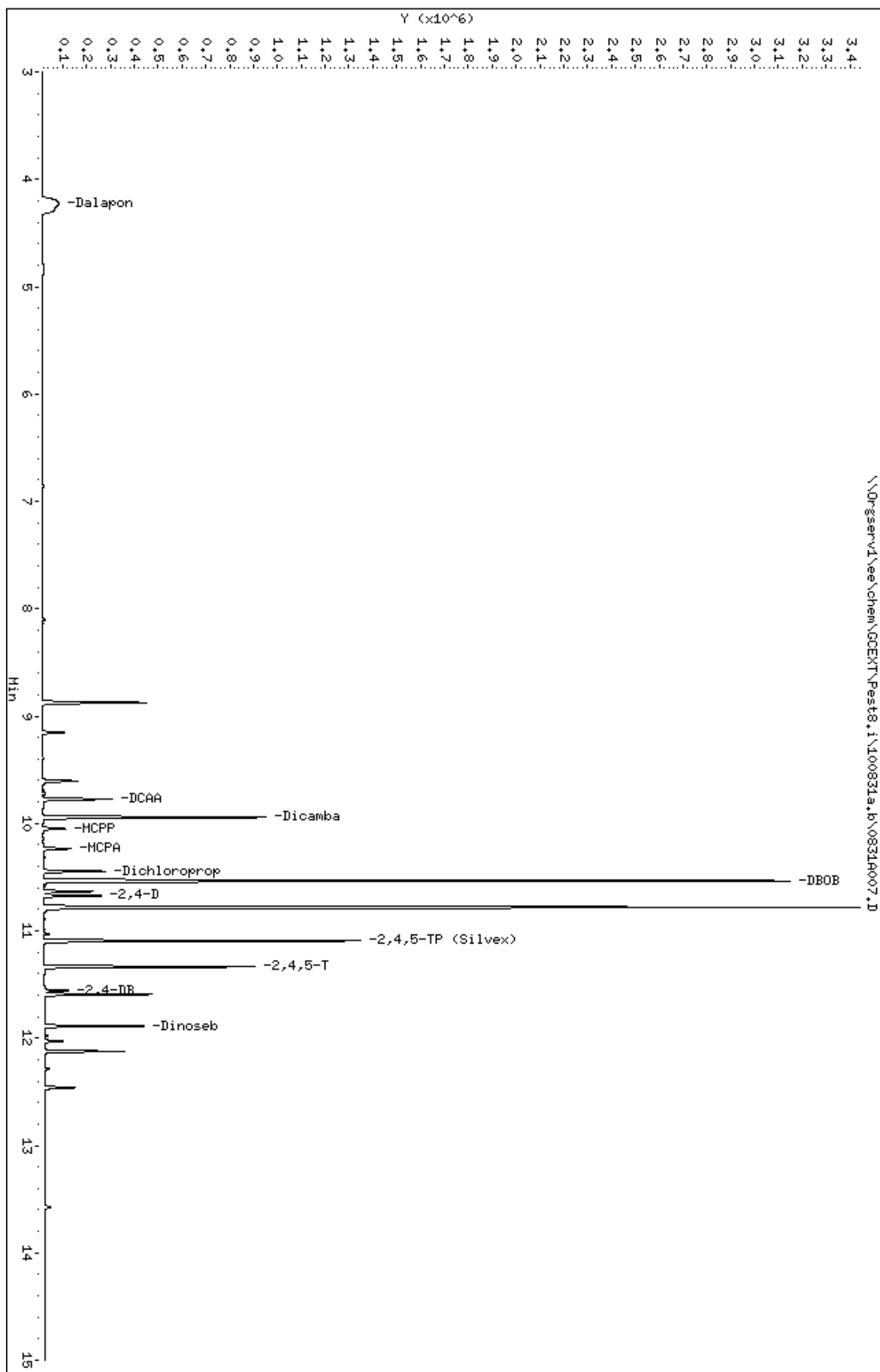
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest8.i Injection Date: 31-AUG-2010 06:34
 Lab File ID: 0831B001.D Init. Cal. Date(s): 09-AUG-2010 30-AUG-2010
 Analysis Type: Init. Cal. Times: 16:31 12:55
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m

COMPOUND	RRF / AMOUNT	RF0.200	CCAL RRF0.200	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dalapon	0.14737	0.13506	0.13506	0.010	8.34939	15.00000	Averaged
4 DCAA	0.08897	0.09931	0.09931	0.010	-11.62377	15.00000	Averaged
5 Dicamba	0.34578	0.31700	0.31700	0.010	8.32394	15.00000	Averaged
6 MCPP	0.00030	0.00024	0.00024	0.010	20.60316	15.00000	Averaged<-
7 MCPA	0.00036	0.00031	0.00031	0.010	12.50850	15.00000	Averaged
8 Dichloroprop	0.07599	0.07767	0.07767	0.010	-2.21372	15.00000	Averaged
9 2,4-D	0.20000	0.17518	0.06366	0.010	12.40877	15.00000	Linear
12 2,4,5-TP (Silvex)	0.37760	0.37584	0.37584	0.010	0.46385	15.00000	Averaged
14 2,4,5-T	0.20000	0.16207	0.22351	0.010	18.96698	15.00000	Linear<-
15 2,4-DB	0.20000	0.23733	0.02847	0.010	-18.66373	15.00000	Linear<-
16 Dinoseb	0.20000	0.12943	0.05817	0.010	35.28340	15.00000	Linear<-

Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831pb.b\0831B001.D
 Lab Smp Id:
 Inj Date : 31-AUG-2010 06:34
 Operator : sh Inst ID: Pest8.i
 Smp Info : +herb cc hrb271
 Misc Info : wg430105, wg429737, ICAL5299
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831pb.b\8151Aherb8b.m
 Meth Date : 31-Aug-2010 09:34 Pest8.i Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NB06.D
 Als bottle: 51 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151mcp.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.654	3.654	(0.359)	136884	0.20000	0.0629	
\$ 4 DCAA	9.198	9.198	(0.905)	293219	0.20000	0.223	
5 Dicamba	9.304	9.304	(0.915)	935941	0.20000	0.183	
6 MCPP	9.444	9.444	(0.929)	70966	20.0000	15.9	
7 MCPA	9.542	9.542	(0.939)	91910	20.0000	17.5	
8 Dichloroprop	9.819	9.819	(0.966)	229322	0.20000	0.204	
* 10 DBOB	10.166	10.166	(1.000)	3690673	0.25000		
9 2,4-D	9.939	9.939	(0.978)	187950	0.20000	0.175	
12 2,4,5-TP (Silvex)	10.553	10.553	(1.038)	1109694	0.20000	0.199	
14 2,4,5-T	10.684	10.684	(1.051)	659919	0.20000	0.162	
15 2,4-DB	10.960	10.960	(1.078)	84054	0.20000	0.237	
16 Dinoseb	10.999	10.999	(1.082)	171739	0.20000	0.129	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i
 Lab File ID: 0831B001.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831pb.b\8151Aherb8b.m
 Misc Info: wg430105, wg429737, ICAL5299

Calibration Date: 31-AUG-2010
 Calibration Time: 06:34
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3690673	1845337	7381346	3690673	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.17	9.67	10.67	10.17	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest8.i\100834pb.b\0831B001.D

Date : 31-AUG-2010 06:34

Client ID:

Sample Info: herb co hrb271

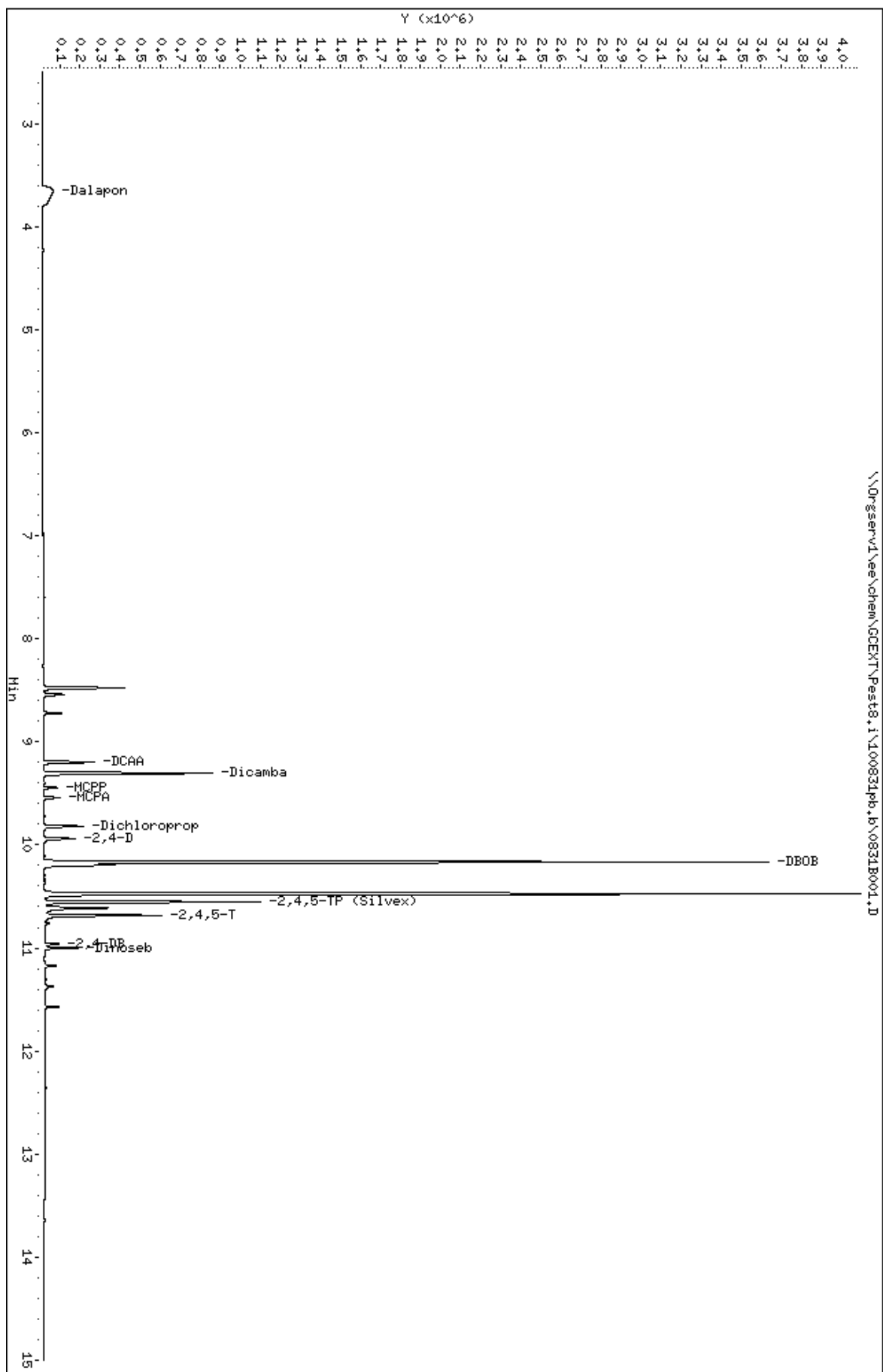
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\0831B001.D
 Lab Smp Id:
 Inj Date : 31-AUG-2010 06:34
 Operator : sh Inst ID: Pest8.i
 Smp Info : +herb cc hrb271
 Misc Info : wg430105, wg429737, ICAL5299
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
 Meth Date : 31-Aug-2010 09:34 Pest8.i Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NB06.D
 Als bottle: 51 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151mcp.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.659	3.659	(0.359)	398784	0.20000	0.183(M)	M4
\$ 4 DCAA	9.198	9.198	(0.905)	293219	0.20000	0.223	
5 Dicamba	9.304	9.304	(0.915)	935941	0.20000	0.183	
6 MCPP	9.444	9.444	(0.929)	70966	20.0000	15.9	
7 MCPA	9.542	9.542	(0.939)	91910	20.0000	17.5	
8 Dichloroprop	9.819	9.819	(0.966)	229322	0.20000	0.204	
* 10 DBOB	10.166	10.166	(1.000)	3690673	0.25000		
9 2,4-D	9.939	9.939	(0.978)	187950	0.20000	0.175	
12 2,4,5-TP (Silvex)	10.553	10.553	(1.038)	1109694	0.20000	0.199	
14 2,4,5-T	10.684	10.684	(1.051)	659919	0.20000	0.162	
15 2,4-DB	10.960	10.960	(1.078)	84054	0.20000	0.237	
16 Dinoseb	10.999	10.999	(1.082)	171739	0.20000	0.129	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 31-AUG-2010
 Lab File ID: 0831B001.D Calibration Time: 09:07
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
 Misc Info: wg430105, wg429737, ICAL5299

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3765479	1882740	7530958	3690673	-1.99

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.17	9.67	10.67	10.17	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\serv1\ee\chem\GCEXT\Pest8.i\100831b,b\0831B001.D

Date : 31-AUG-2010 06:34

Client ID:

Sample Info: herb co hrb271

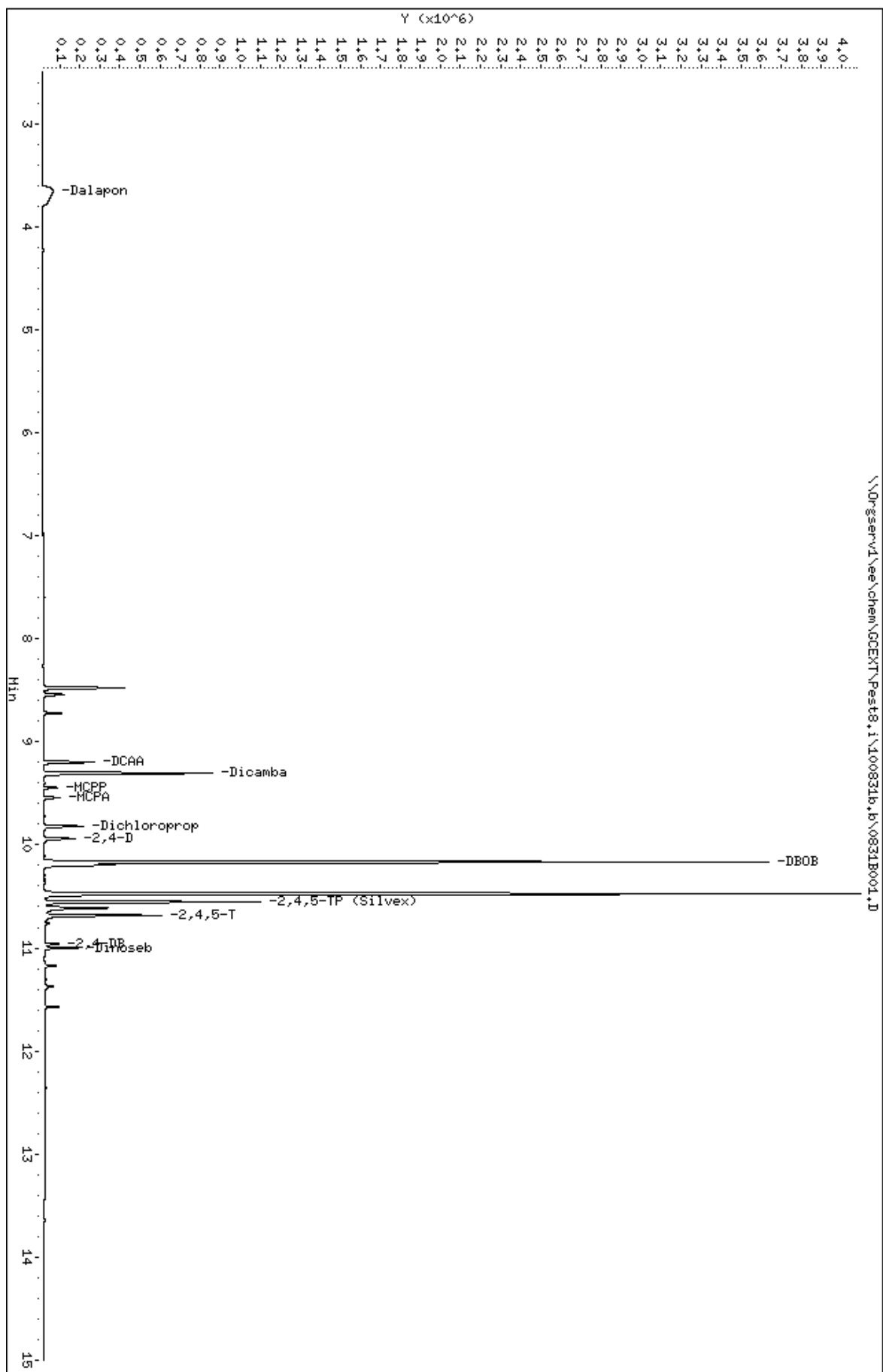
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest8.i Injection Date: 31-AUG-2010 09:49
 Lab File ID: 0831B007.D Init. Cal. Date(s): 09-AUG-2010 30-AUG-2010
 Analysis Type: Init. Cal. Times: 16:31 12:55
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m

COMPOUND	RRF / AMOUNT	RF0.200	CCAL RRF0.200	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dalapon	0.14737	0.14736	0.14736	0.010	0.00941	15.00000	Averaged
4 DCAA	0.08897	0.10128	0.10128	0.010	-13.83607	15.00000	Averaged
5 Dicamba	0.34578	0.35602	0.35602	0.010	-2.96214	15.00000	Averaged
6 MCPP	0.00030	0.00028	0.00028	0.010	8.94438	15.00000	Averaged
7 MCPA	0.00036	0.00037	0.00037	0.010	-4.18932	15.00000	Averaged
8 Dichloroprop	0.07599	0.09327	0.09327	0.010	-22.74854	15.00000	Averaged<-
9 2,4-D	0.20000	0.24431	0.09503	0.010	-22.15648	15.00000	Linear<-
12 2,4,5-TP (Silvex)	0.37760	0.48093	0.48093	0.010	-27.36615	15.00000	Averaged<-
14 2,4,5-T	0.20000	0.25166	0.37759	0.010	-25.83183	15.00000	Linear<-
15 2,4-DB	0.20000	0.27577	0.03809	0.010	-37.88508	15.00000	Linear<-
16 Dinoseb	0.20000	0.24260	0.17612	0.010	-21.29960	15.00000	Linear<-

Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\0831B007.D
 Lab Smp Id:
 Inj Date : 31-AUG-2010 09:49
 Operator : sh Inst ID: Pest8.i
 Smp Info : +herb cc hrb271
 Misc Info : wg430105, wg429737, ICAL5299
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
 Meth Date : 31-Aug-2010 10:08 Pest8.i Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NB06.D
 Als bottle: 57 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151mcp.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng/mL)	ON-COL (ng/mL)	
=====	====	=====	=====	=====	=====	=====	=====
1 Dalapon	3.659	3.659	(0.360)	457686	0.20000	0.200	
\$ 4 DCAA	9.198	9.198	(0.905)	314573	0.20000	0.228	
5 Dicamba	9.305	9.305	(0.915)	1105799	0.20000	0.206	
6 MCPP	9.445	9.445	(0.929)	85617	20.0000	18.2	
7 MCPA	9.542	9.542	(0.939)	115140	20.0000	20.8	
8 Dichloroprop	9.820	9.820	(0.966)	289707	0.20000	0.245	
* 10 DBOB	10.166	10.166	(1.000)	3882502	0.25000		
9 2,4-D	9.940	9.940	(0.978)	295149	0.20000	0.244	
12 2,4,5-TP (Silvex)	10.555	10.555	(1.038)	1493766	0.20000	0.255	
14 2,4,5-T	10.688	10.688	(1.051)	1172790	0.20000	0.252	
15 2,4-DB	10.970	10.970	(1.079)	118294	0.20000	0.276	
16 Dinoseb	11.007	11.007	(1.083)	547029	0.20000	0.242	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 31-AUG-2010
 Lab File ID: 0831B007.D Calibration Time: 09:07
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
 Misc Info: wg430105, wg429737, ICAL5299

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3765479	1882740	7530958	3882502	3.11

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.17	9.67	10.67	10.17	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\rd\ee\chem\GCEXT\Pest8.i\100831b,b\0831B007.D

Date : 31-AUG-2010 09:49

Client ID:

Sample Info: herb co hrb271

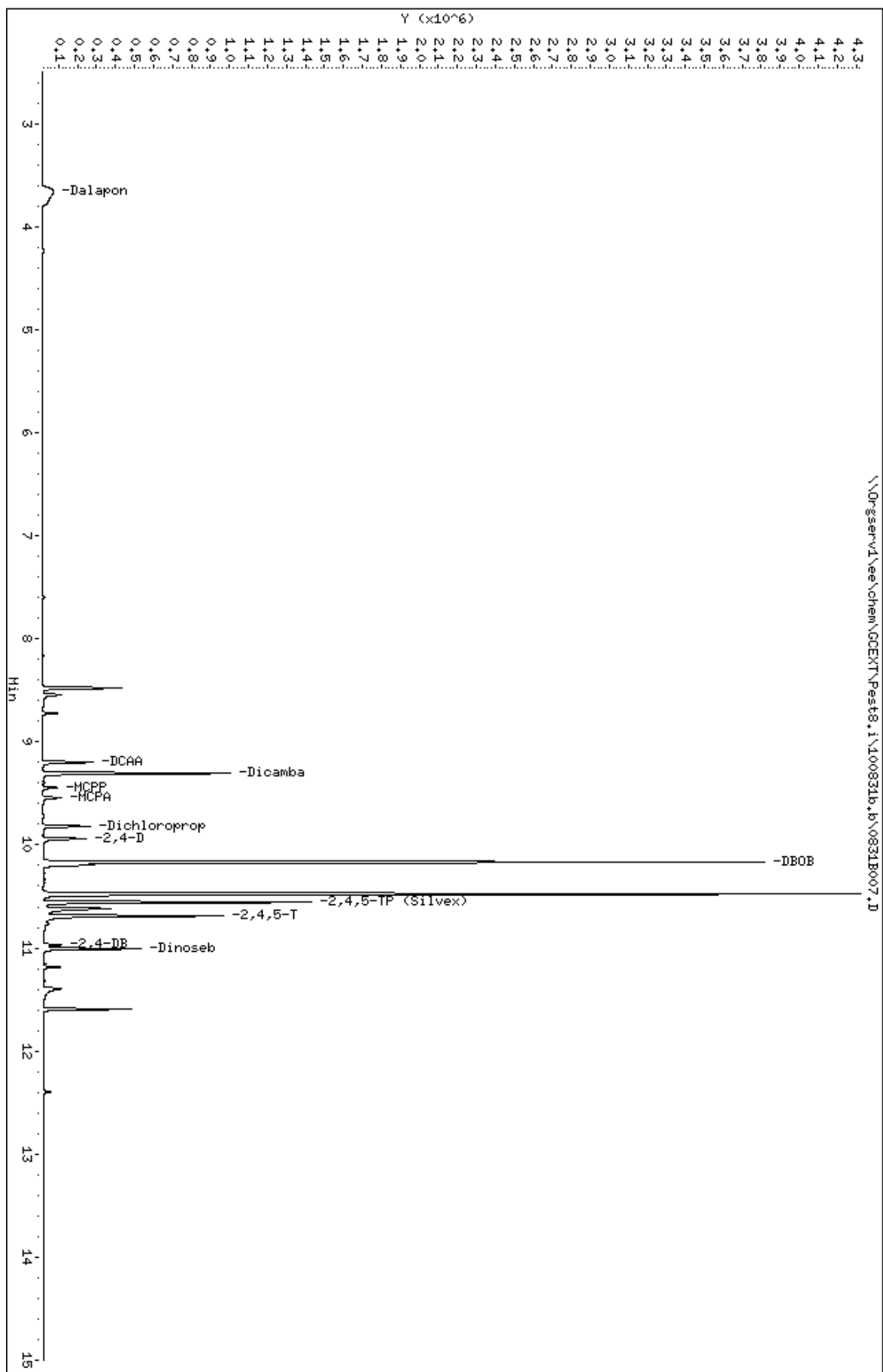
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

Page 3



Herbicides Raw QC Data

Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\0831A003.D
 Lab Smp Id:
 Inj Date : 31-AUG-2010 07:19
 Operator : sh Inst ID: Pest8.i
 Smp Info : wg429737-1,42
 Misc Info : wg430105, wg429737, ICAL5298
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
 Meth Date : 31-Aug-2010 06:59 shaggart Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NA006.D
 Als bottle: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151APA.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

Compounds					CONCENTRATIONS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng/mL)	FINAL (ng)	
=====	====	=====	=====	=====	=====	=====	=====
\$ 4 DCAA	9.767	9.775	(0.928)	1284878	0.96692	0.967	
* 10 DBOB	10.524	10.533	(1.000)	3001277	0.25000		
9 2,4-D	Compound Not Detected.						
12 2,4,5-TP (Silvex)	Compound Not Detected.						
14 2,4,5-T	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 31-AUG-2010
 Lab File ID: 0831A003.D Calibration Time: 06:34
 Lab Smp Id:
 Analysis Type: OTHER Level: LOW
 Quant Type: ISTD Sample Type: SOIL
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
 Misc Info: wg430105, wg429737, ICAL5298

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2877136	1438568	5754272	3001277	4.31

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.52	-0.08

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa24827
Sample Matrix: SOLID Fraction: OTHER
Lab Smp Id:
Level: LOW Operator: sh
Data Type: GC DATA SampleType: SAMPLE
SpikeList File: 8151APALCS.spk Quant Type: ISTD
Sublist File: 8151APA.sub
Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
Misc Info: wg430105, wg429737, ICAL5298

SURROGATE COMPOUND	AMOUNT ADDED ng/mL	AMOUNT RECOVERED ng/mL	% RECOVERED	LIMITS
\$ 4 DCAA	1.00	0.967	96.69	30-150

Data File: \\Drger\serv1\ee\chem\GCEXT\Fest8.i\100831a,b\0831A003.D

Date : 31-AUG-2010 07:19

Client ID:

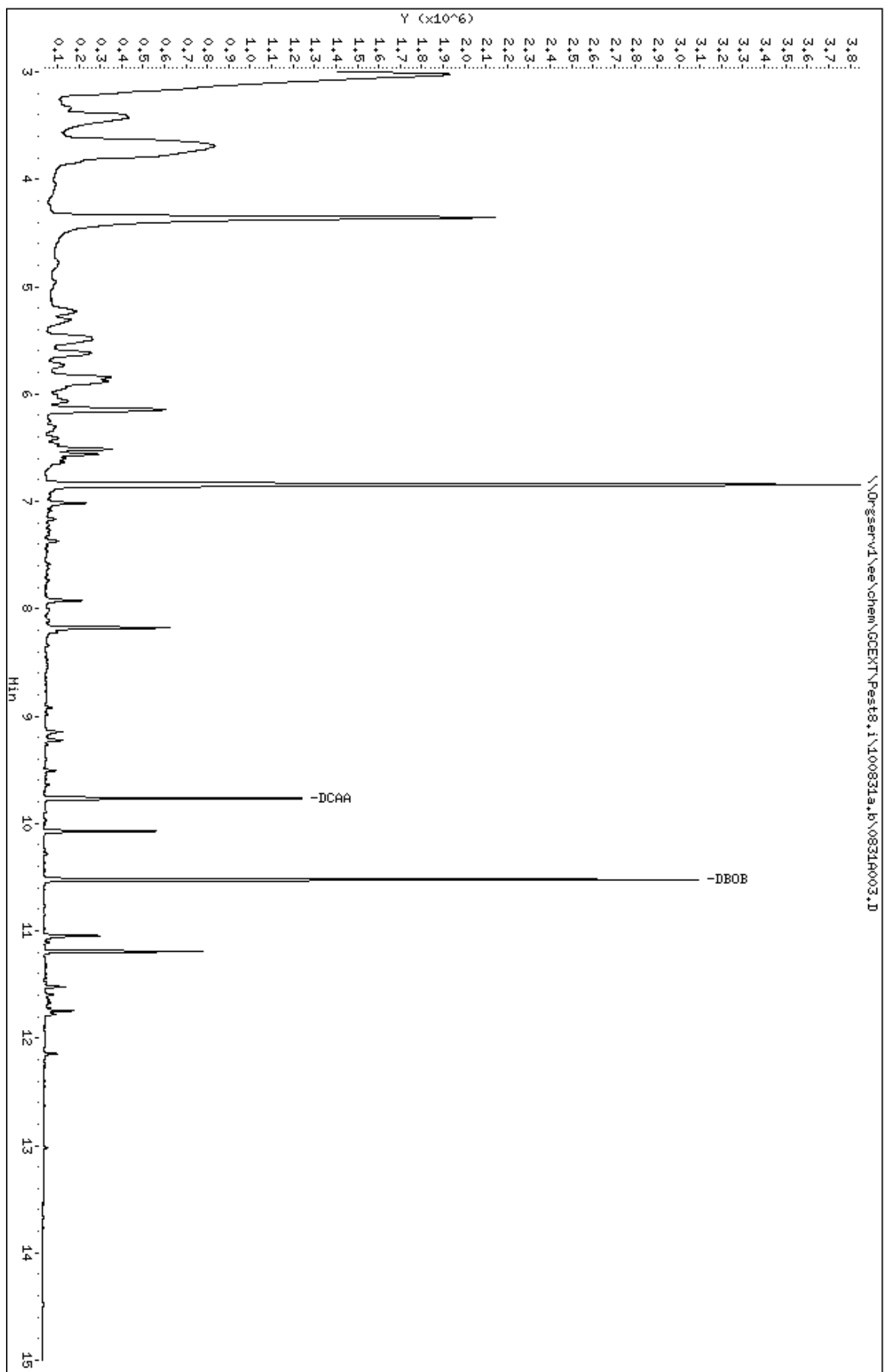
Sample Info: wg429737-1,42

Instrument: Fest8.i

Operator: sh

Column diameter: 2.00

Column phase:



Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\0831B003.D
 Lab Smp Id:
 Inj Date : 31-AUG-2010 07:19
 Operator : sh Inst ID: Pest8.i
 Smp Info : wg429737-1,42
 Misc Info : wg430105, wg429737, ICAL5299
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
 Meth Date : 31-Aug-2010 06:53 shaggart Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NB06.D
 Als bottle: 53
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151APA.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

Compounds					CONCENTRATIONS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng/mL)	FINAL (ng)	
=====	====	=====	=====	=====	=====	=====	=====
\$ 4 DCAA	9.194	9.198	(0.905)	1087782	0.97451	0.974	
* 10 DBOB	10.164	10.166	(1.000)	3136585	0.25000		
9 2,4-D	Compound Not Detected.						
12 2,4,5-TP (Silvex)	Compound Not Detected.						
14 2,4,5-T	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 31-AUG-2010
 Lab File ID: 0831B003.D Calibration Time: 06:34
 Lab Smp Id:
 Analysis Type: OTHER Level: LOW
 Quant Type: ISTD Sample Type: SOIL
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
 Misc Info: wg430105, wg429737, ICAL5299

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3690673	1845337	7381346	3136585	-15.01

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.17	9.67	10.67	10.16	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa24827
Sample Matrix: SOLID Fraction: OTHER
Lab Smp Id:
Level: LOW Operator: sh
Data Type: GC DATA SampleType: SAMPLE
SpikeList File: 8151APALCS.spk Quant Type: ISTD
Sublist File: 8151APA.sub
Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
Misc Info: wg430105, wg429737, ICAL5299

SURROGATE COMPOUND	AMOUNT ADDED ng/mL	AMOUNT RECOVERED ng/mL	% RECOVERED	LIMITS
\$ 4 DCAA	1.00	0.974	97.45	30-150

Data File: \\Drger\\v1\\ee\\chem\\GCEXT\\Pest8.i\\100831b.b\\0831B003.D

Date : 31-AUG-2010 07:19

Client ID:

Sample Info: wg429737-1,42

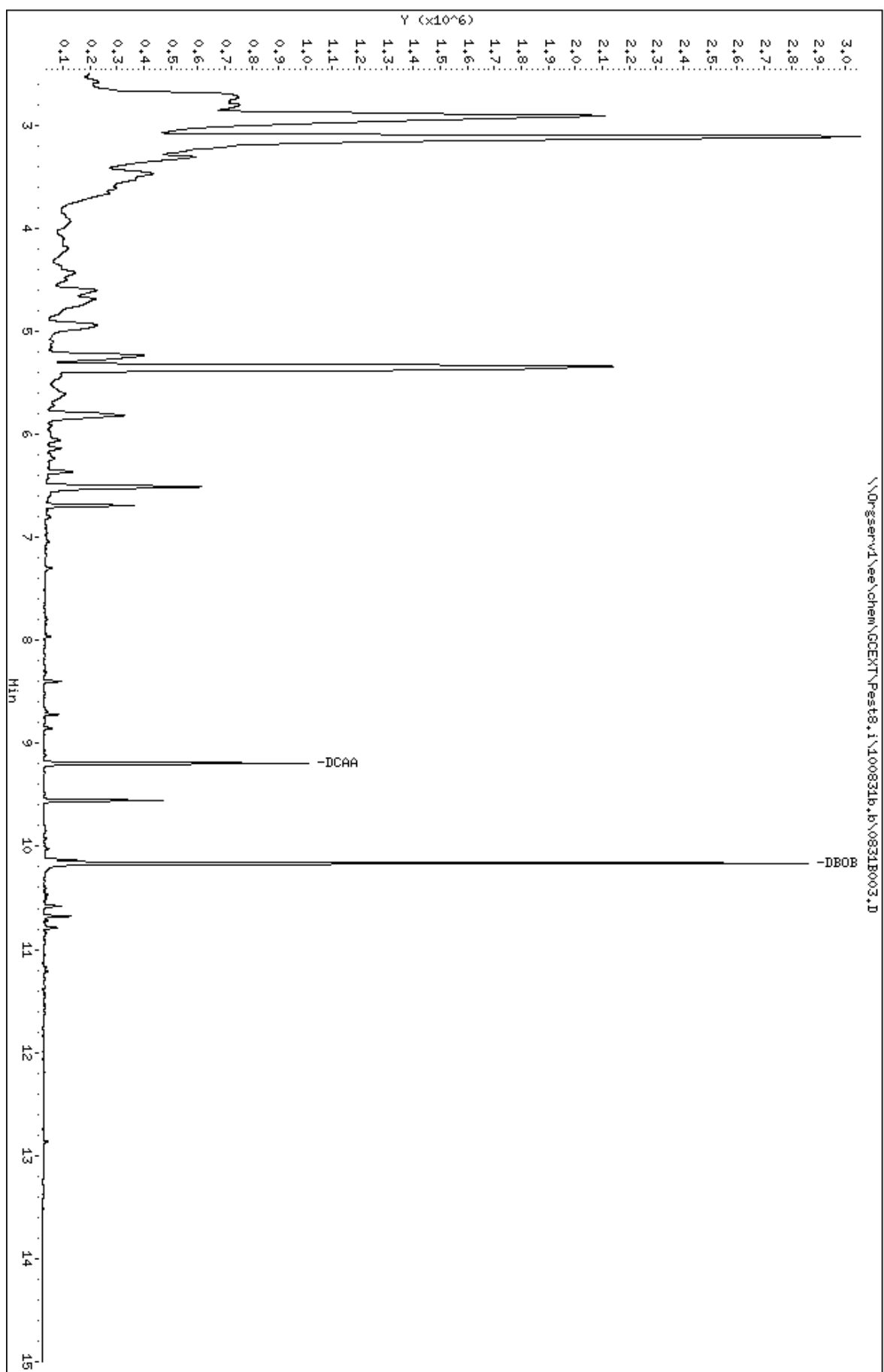
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\0831A004.D
 Lab Smp Id:
 Inj Date : 31-AUG-2010 07:39
 Operator : sh Inst ID: Pest8.i
 Smp Info : wg429737-2,42
 Misc Info : wg430105, wg429737, ICAL5298
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
 Meth Date : 31-Aug-2010 06:59 shaggart Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NA06.D
 Als bottle: 4 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151APA.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

Compounds					CONCENTRATIONS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng/mL)	FINAL (ng)	
=====	====	=====	=====	=====	=====	=====	=====
\$ 4 DCAA	9.767	9.775	(0.928)	1411707	1.13312	1.13	
* 10 DBOB	10.525	10.533	(1.000)	2813864	0.25000		
9 2,4-D	10.661	10.671	(1.013)	1539392	1.65398	1.65(R)	
12 2,4,5-TP (Silvex)	11.071	11.084	(1.052)	5984899	1.22527	1.22	
14 2,4,5-T	11.303	11.320	(1.074)	4621385	1.31736	1.32	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest8.i
Lab File ID: 0831A004.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
Misc Info: wg430105, wg429737, ICAL5298

Calibration Date: 31-AUG-2010
Calibration Time: 06:34
Level: LOW
Sample Type: SOIL

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2877136	1438568	5754272	2813864	-2.20

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.53	-0.08

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa24827
 Sample Matrix: SOLID Fraction: OTHER
 Lab Smp Id:
 Level: LOW Operator: sh
 Data Type: GC DATA SampleType: LCS
 SpikeList File: 8151APALCS.spk Quant Type: ISTD
 Sublist File: 8151APA.sub
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
 Misc Info: wg430105, wg429737, ICAL5298

SPIKE COMPOUND	AMOUNT ADDED ng/mL	AMOUNT RECOVERED ng/mL	% RECOVERED	LIMITS
12 2,4,5-TP (Silvex)	1.00	1.22	122.53	30-150
9 2,4-D	1.00	1.65	165.40*	30-150
14 2,4,5-T	1.00	1.32	131.74	30-150

SURROGATE COMPOUND	AMOUNT ADDED ng/mL	AMOUNT RECOVERED ng/mL	% RECOVERED	LIMITS
\$ 4 DCAA	1.00	1.13	113.31	30-150

Data File: \\Drgera1\ee\chem\GCEXT\Pest8.i\100831a,b\0831A004.D

Date : 31-AUG-2010 07:39

Client ID:

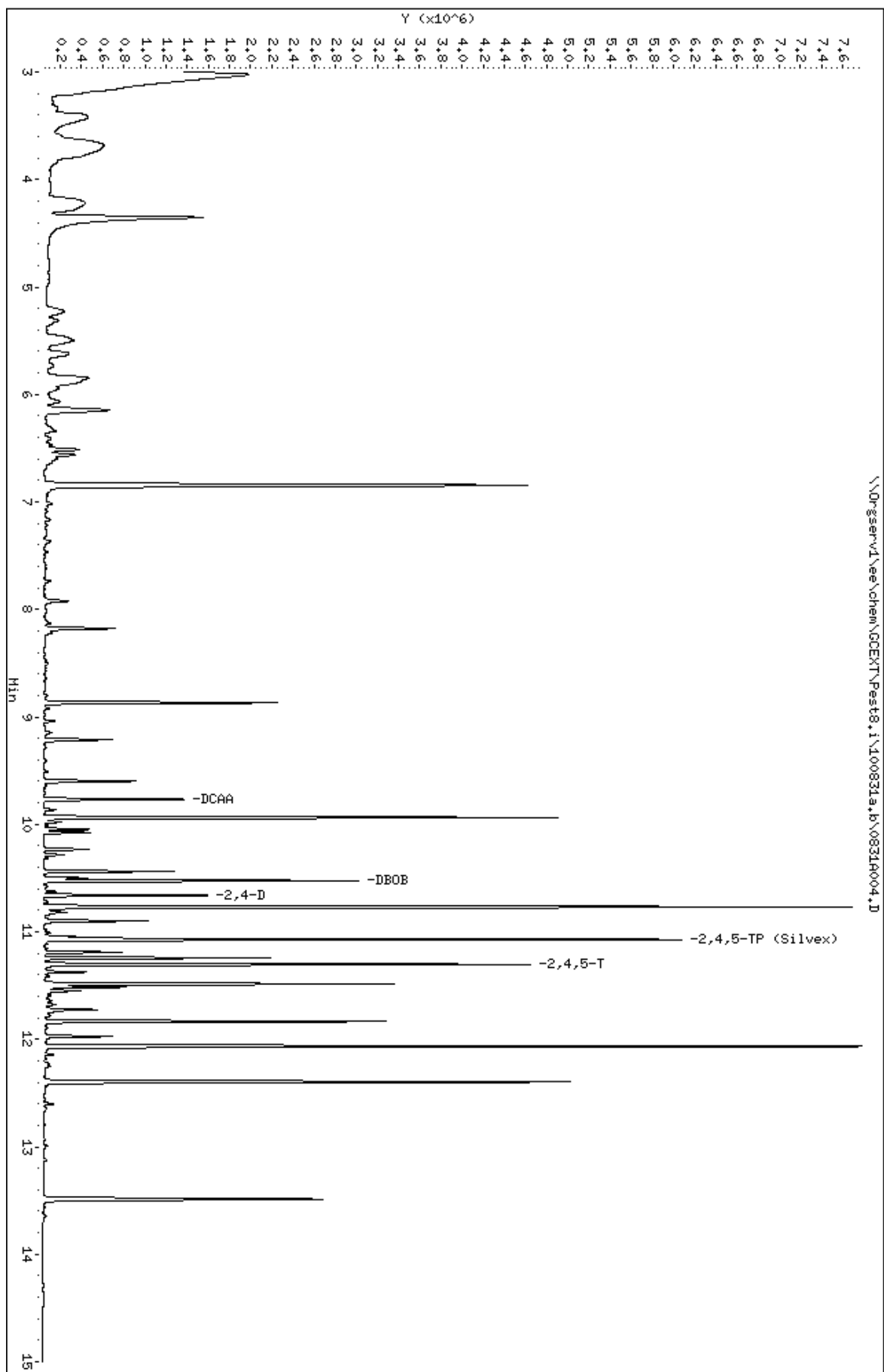
Sample Info: wg429737-2,42

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

Column phase:



Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\0831B004.D
 Lab Smp Id:
 Inj Date : 31-AUG-2010 07:39
 Operator : sh Inst ID: Pest8.i
 Smp Info : wg429737-2,42
 Misc Info : wg430105, wg429737, ICAL5299
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
 Meth Date : 31-Aug-2010 06:53 shaggart Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NB06.D
 Als bottle: 54 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151APA.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

Compounds					CONCENTRATIONS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng/mL)	FINAL (ng)	
=====	====	=====	=====	=====	=====	=====	=====
\$ 4 DCAA	9.193	9.198	(0.905)	1389663	1.08762	1.09	
* 10 DBOB	10.163	10.166	(1.000)	3590314	0.25000		
9 2,4-D	9.937	9.939	(0.978)	1264149	1.00485	1.00	
12 2,4,5-TP (Silvex)	10.548	10.553	(1.038)	6964514	1.28431	1.28	
14 2,4,5-T	10.677	10.684	(1.051)	5282192	1.10150	1.10	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 31-AUG-2010
 Lab File ID: 0831B004.D Calibration Time: 06:34
 Lab Smp Id:
 Analysis Type: OTHER Level: LOW
 Quant Type: ISTD Sample Type: SOIL
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
 Misc Info: wg430105, wg429737, ICAL5299

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3690673	1845337	7381346	3590314	-2.72

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.17	9.67	10.67	10.16	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa24827
 Sample Matrix: SOLID Fraction: OTHER
 Lab Smp Id:
 Level: LOW Operator: sh
 Data Type: GC DATA SampleType: LCS
 SpikeList File: 8151APALCS.spk Quant Type: ISTD
 Sublist File: 8151APA.sub
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
 Misc Info: wg430105, wg429737, ICAL5299

SPIKE COMPOUND	AMOUNT ADDED ng/mL	AMOUNT RECOVERED ng/mL	% RECOVERED	LIMITS
12 2,4,5-TP (Silvex)	1.00	1.28	128.43	30-150
9 2,4-D	1.00	1.00	100.49	30-150
14 2,4,5-T	1.00	1.10	110.15	30-150

SURROGATE COMPOUND	AMOUNT ADDED ng/mL	AMOUNT RECOVERED ng/mL	% RECOVERED	LIMITS
\$ 4 DCAA	1.00	1.09	108.76	30-150

Data File: \\Drger\serv1\ee\chem\GCEXT\Pest8.i\100831b,b\0831B004.D

Date : 31-AUG-2010 07:39

Client ID:

Sample Info: wg429737-2,42

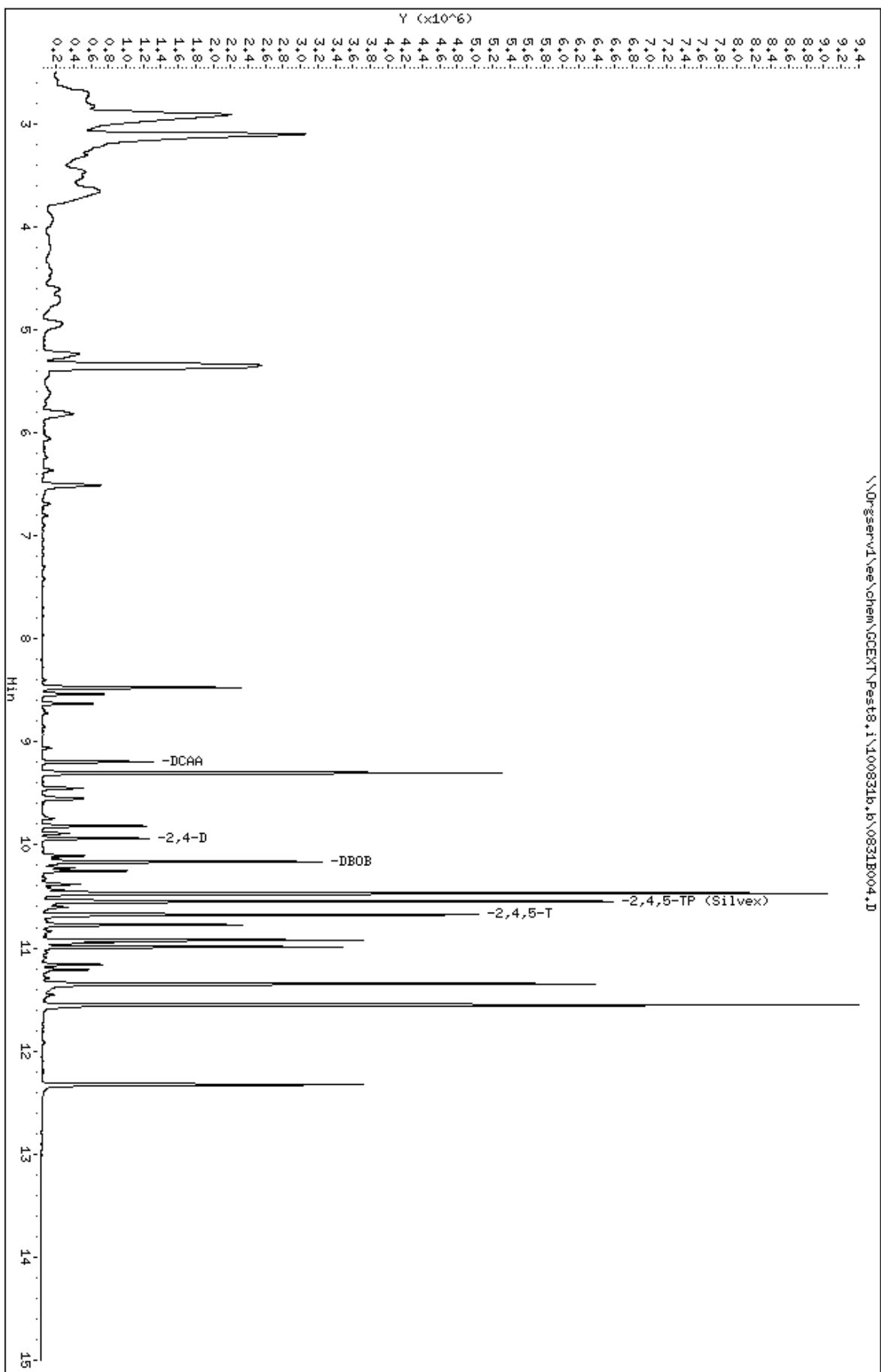
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

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Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\0831A005.D
 Lab Smp Id:
 Inj Date : 31-AUG-2010 07:58
 Operator : sh Inst ID: Pest8.i
 Smp Info : wg429737-3,42
 Misc Info : wg430105, wg429737, ICAL5298
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
 Meth Date : 31-Aug-2010 06:59 shaggart Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NA06.D
 Als bottle: 5 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151APA.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

Compounds					CONCENTRATIONS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng/mL)	FINAL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====
\$ 4 DCAA	9.767	9.775	(0.928)	1612430	1.27415	1.27	
* 10 DBOB	10.524	10.533	(1.000)	2858198	0.25000		
9 2,4-D	10.661	10.671	(1.013)	1661050	1.75701	1.76(R)	
12 2,4,5-TP (Silvex)	11.071	11.084	(1.052)	6518632	1.31383	1.31	
14 2,4,5-T	11.303	11.320	(1.074)	5535661	1.54652	1.55(R)	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i Calibration Date: 31-AUG-2010
 Lab File ID: 0831A005.D Calibration Time: 06:34
 Lab Smp Id:
 Analysis Type: OTHER Level: LOW
 Quant Type: ISTD Sample Type: SOIL
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
 Misc Info: wg430105, wg429737, ICAL5298

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	2877136	1438568	5754272	2858198	-0.66

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.53	10.03	11.03	10.52	-0.09

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa24827
 Sample Matrix: SOLID Fraction: OTHER
 Lab Smp Id:
 Level: LOW Operator: sh
 Data Type: GC DATA SampleType: LCS
 SpikeList File: 8151APALCS.spk Quant Type: ISTD
 Sublist File: 8151APA.sub
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831a.b\8151Aherb8a.m
 Misc Info: wg430105, wg429737, ICAL5298

SPIKE COMPOUND	AMOUNT ADDED ng/mL	AMOUNT RECOVERED ng/mL	% RECOVERED	LIMITS
12 2,4,5-TP (Silvex)	1.00	1.31	131.38	30-150
9 2,4-D	1.00	1.76	175.70*	30-150
14 2,4,5-T	1.00	1.55	154.65*	30-150

SURROGATE COMPOUND	AMOUNT ADDED ng/mL	AMOUNT RECOVERED ng/mL	% RECOVERED	LIMITS
\$ 4 DCAA	1.00	1.27	127.42	30-150

Data File: \\Drger\serv1\ee\chem\GCEXT\Pest8.i\100831a,b\0831A005.D

Date : 31-AUG-2010 07:58

Client ID:

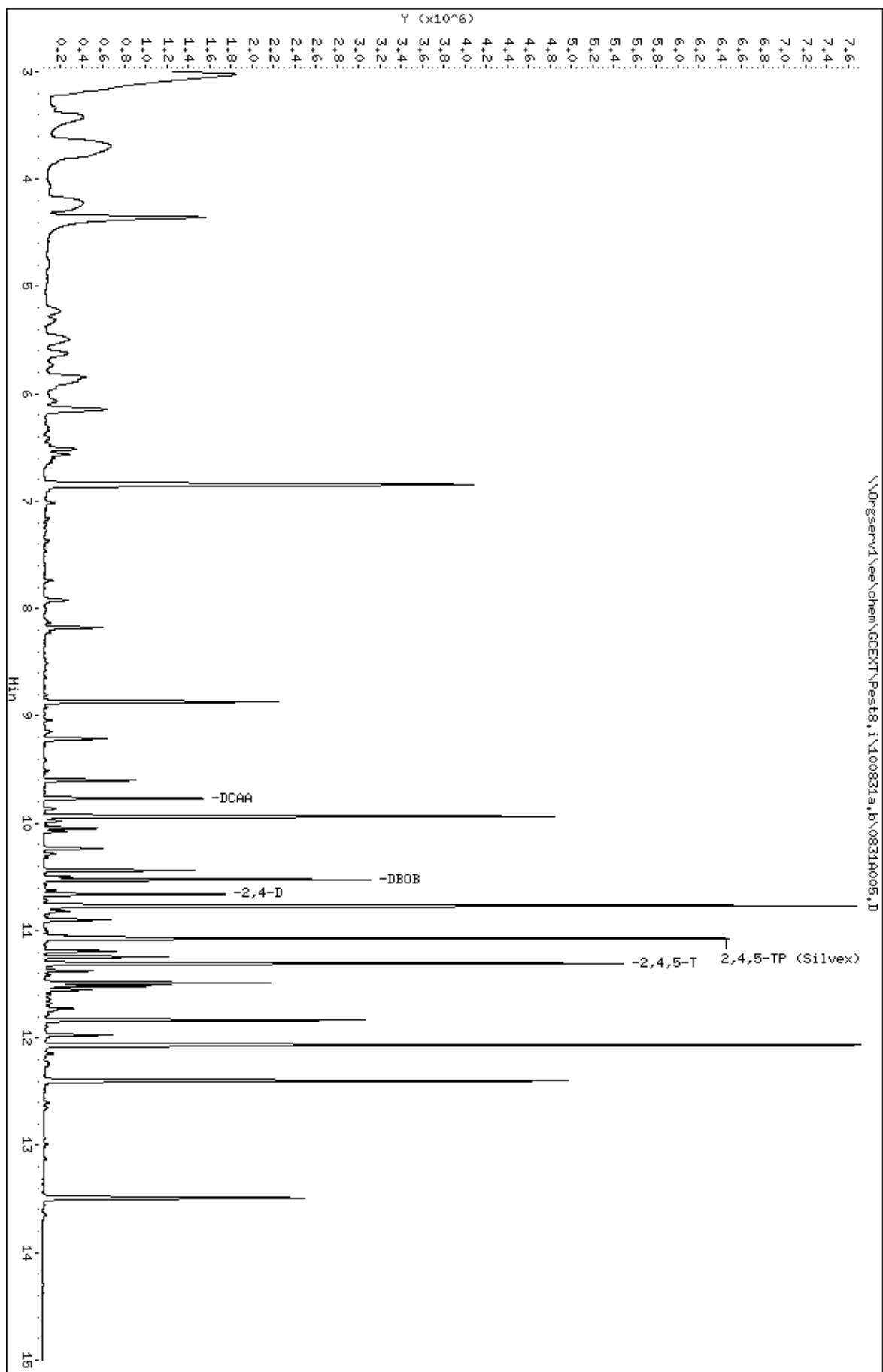
Sample Info: wg429737-3,42

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

Column phase:



Alpha Analytical Labs

GC Semi - Herb 8151A HP6890 Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\0831B005.D
 Lab Smp Id:
 Inj Date : 31-AUG-2010 07:58
 Operator : sh Inst ID: Pest8.i
 Smp Info : wg429737-3,42
 Misc Info : wg430105, wg429737, ICAL5299
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
 Meth Date : 31-Aug-2010 06:53 shaggart Quant Type: ISTD
 Cal Date : 30-AUG-2010 12:55 Cal File: 0830NB06.D
 Als bottle: 55 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 8151APA.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

Compounds					CONCENTRATIONS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ng/mL)	FINAL (ng)	
=====	====	=====	=====	=====	=====	=====	=====
\$ 4 DCAA	9.193	9.198	(0.905)	1505252	1.22337	1.22	
* 10 DBOB	10.163	10.166	(1.000)	3457422	0.25000		
9 2,4-D	9.935	9.939	(0.978)	1539650	1.26165	1.26	
12 2,4,5-TP (Silvex)	10.547	10.553	(1.038)	7213105	1.38128	1.38	
14 2,4,5-T	10.676	10.684	(1.051)	6076731	1.30965	1.31	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest8.i
 Lab File ID: 0831B005.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
 Misc Info: wg430105, wg429737, ICAL5299

Calibration Date: 31-AUG-2010
 Calibration Time: 06:34
 Level: LOW
 Sample Type: SOIL

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	3690673	1845337	7381346	3457422	-6.32

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
10 DBOB	10.17	9.67	10.67	10.16	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa24827
 Sample Matrix: SOLID Fraction: OTHER
 Lab Smp Id:
 Level: LOW Operator: sh
 Data Type: GC DATA SampleType: LCS
 SpikeList File: 8151APALCS.spk Quant Type: ISTD
 Sublist File: 8151APA.sub
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest8.i\100831b.b\8151Aherb8b.m
 Misc Info: wg430105, wg429737, ICAL5299

SPIKE COMPOUND	AMOUNT ADDED ng/mL	AMOUNT RECOVERED ng/mL	% RECOVERED	LIMITS
12 2,4,5-TP (Silvex)	1.00	1.38	138.13	30-150
9 2,4-D	1.00	1.26	126.16	30-150
14 2,4,5-T	1.00	1.31	130.97	30-150

SURROGATE COMPOUND	AMOUNT ADDED ng/mL	AMOUNT RECOVERED ng/mL	% RECOVERED	LIMITS
\$ 4 DCAA	1.00	1.22	122.34	30-150

Data File: \\Drgserv1\ee\chem\GCEXT\Pest8.i\100831b,b\0831B005.D

Date : 31-AUG-2010 07:58

Client ID:

Sample Info: wg429737-3,42

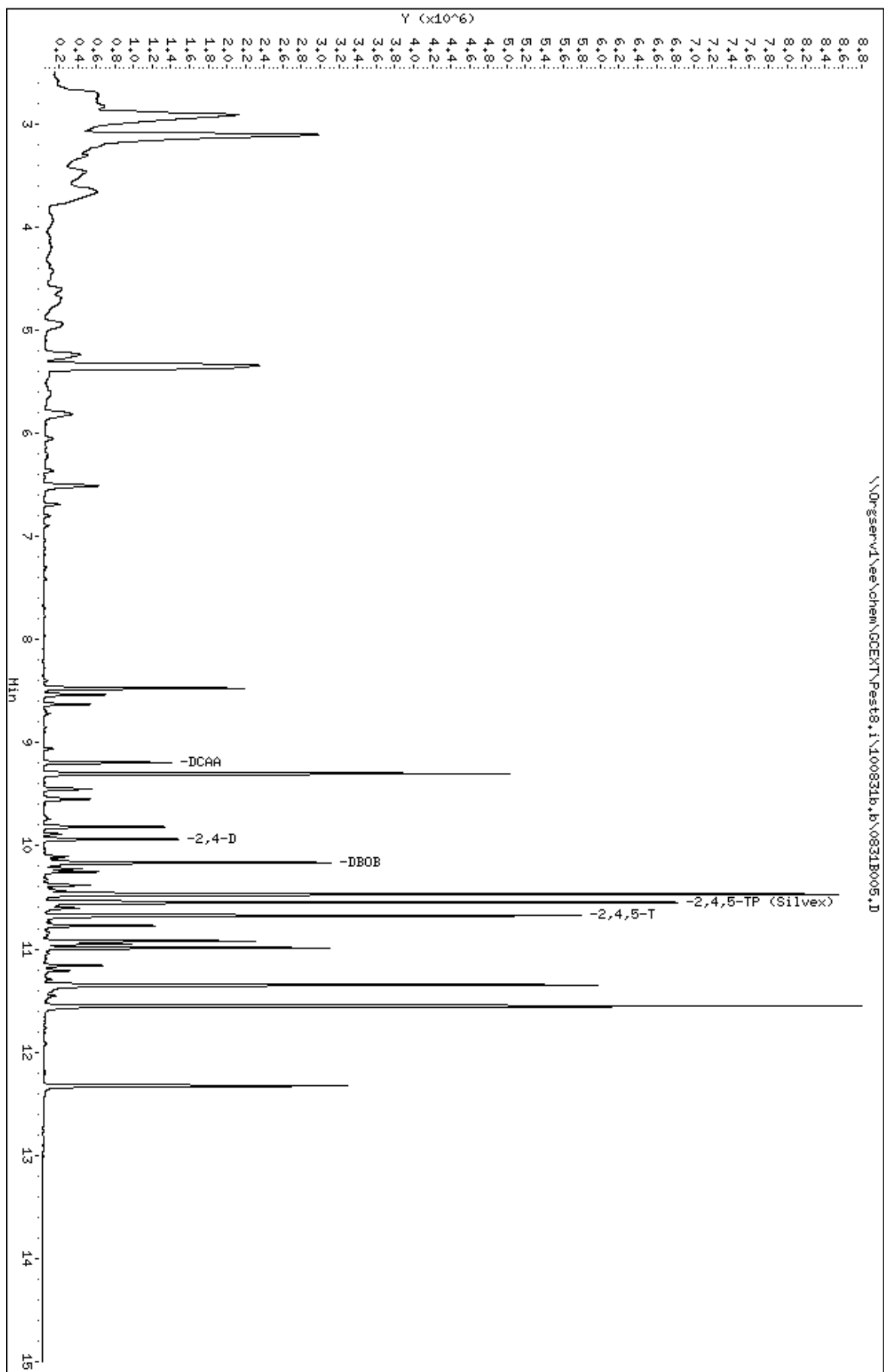
Column phase:

Instrument: Pest8.i

Operator: sh

Column diameter: 2.00

Page 4



Aqueous Calculation

$$\text{ug/L} = [(As)*(Cis)*(D)*Vf]/[(Ais)*(RF)*(Vs)*1000]$$

As – peak area of analyte

Ais – peak area of internal standard

Cis – concentration of internal standard (ug/L)

D – dilution factor (D=1 for no dilution)

Vf – final extract volume (ml)

Vs – initial volume extracted (ml)

RF – mean response factor

soil/solid calculation

$$\text{ug/Kg} = [(As)*(Cis)*(D)*Vf]/[(Ais)*(RF)*(Ws)*1000]$$

As – peak area of analyte

Ais – peak area of internal standard

Cis – concentration of internal standard (ug/L)

D – dilution factor (D=1 for no dilution)

Vf – final extract volume (ml)

Ws – initial weight extracted (g)

RF – mean response factor

Sequence Parameters:

Operator: sh

Data File Naming: Prefix/Counter

Signal 1 Prefix: 0830na

Counter: 01

Signal 2 Prefix: 0830nb

Counter: 01

Data Directory: C:\HPCHEM\1\DATA\

Data Subdirectory: 100830N

Part of Methods to run: According to Runtime Checklist

Barcode Reader: not used

Shutdown Cmd/Macro: none

Sequence Comment:
herbs

1ca/5298
1cal 5299

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	herb 11	HERBTEST	1	Sample		
2	Vial 2	herb 12	HERBTEST	1	Sample		
3	Vial 3	herb 13	HERBTEST	1	Sample		
4	Vial 4	herb 14	HERBTEST	1	Sample		
5	Vial 5	herb 15	HERBTEST	1	Sample		
6	Vial 6	herb 16	HERBTEST	1	Sample		
7	Vial 7	+herb cc hrb271	HERBTEST	1	Sample		
8	Vial 8	wg429796-1	HERBTEST	1	Sample		
9	Vial 9	wg429796-12	HERBTEST	1	Sample		
10	Vial 10	wg429796-3	HERBTEST	1	Sample		
11	Vial 11	11012968-01	HERBTEST	1	Sample		
12	Vial 12	wg429796-1	HERBTEST	1	Sample		
13	Vial 13	wg429796-2	HERBTEST	1	Sample		
14	Vial 14	wg429796-3	HERBTEST	1	Sample		
15	Vial 15	11012968-01	HERBTEST	1	Sample		
16	Vial 16	wg429796-2	HERBTEST	1	Sample		
17	Vial 17	+herb cc hrb271	HERBTEST	1	Sample		
18	Vial 18	wg429737-1	HERBTEST	1	Sample		
19	Vial 19	wg429737-1	HERBTEST	1	Sample		
20	Vial 20	wg429737-2	HERBTEST	1	Sample		
21	Vial 21	wg429737-3	HERBTEST	1	Sample		
22	Vial 22	11013017-01	HERBTEST	1	Sample		
23	Vial 23	+herb cc hrb271	HERBTEST	1	Sample		

RR NO 15

RR 15 fails on B

high (A & B)

RR

Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 51	herb 11	HERBTEST	1	Sample		

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
====	=====	=====	=====	==	=====	=====	=====
2	Vial 52	herb 12	HERBTEST	1	Sample		
3	Vial 53	herb 13	HERBTEST	1	Sample		
4	Vial 54	herb 14	HERBTEST	1	Sample		
5	Vial 55	herb 15	HERBTEST	1	Sample		
6	Vial 56	herb 16	HERBTEST	1	Sample		
7	Vial 57	+herb cc hrb271	HERBTEST	1	Sample		
8	Vial 58	wg429796-1	HERBTEST	1	Sample		
9	Vial 59	wg429796-2	HERBTEST	1	Sample		
10	Vial 60	wg429796-3	HERBTEST	1	Sample		
11	Vial 61	11012968-01	HERBTEST	1	Sample		
12	Vial 62	wg429796-1	HERBTEST	1	Sample		
13	Vial 63	wg429796-2	HERBTEST	1	Sample		
14	Vial 64	wg429796-3	HERBTEST	1	Sample		
15	Vial 65	11012968-01	HERBTEST	1	Sample		
16	Vial 66	wg429796-2	HERBTEST	1	Sample		
17	Vial 67	+herb cc hrb271	HERBTEST	1	Sample		
18	Vial 68	wg429737-1	HERBTEST	1	Sample		
19	Vial 69	wg429737-1	HERBTEST	1	Sample		
20	Vial 70	wg429737-2	HERBTEST	1	Sample		
21	Vial 71	wg429737-3	HERBTEST	1	Sample		
22	Vial 72	11013017-01	HERBTEST	1	Sample		
23	Vial 73	+herb cc hrb271	HERBTEST	1	Sample		

Sequence Parameters:

Operator: sh

Data File Naming: Prefix/Counter

Signal 1 Prefix: 0831a

Counter: 001

Signal 2 Prefix: 0831b

Counter: 001

Data Directory: C:\HPCHEM\1\DATA\

Data Subdirectory: 100831

Part of Methods to run: According to Runtime Checklist

Barcode Reader: not used

Shutdown Cmd/Macro: none

Sequence Comment:
herbs

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	+herb cc hrb271	HERBTEST	1	Sample		
2	Vial 2	wg429737-1	HERBTEST	1	Sample		
3	Vial 3	wg429737-1	HERBTEST	1	Sample		
4	Vial 4	wg429737-2	HERBTEST	1	Sample		
5	Vial 5	wg429737-3	HERBTEST	1	Sample		
6	Vial 6	11013017-01	HERBTEST	1	Sample		
7	Vial 7	+herb cc hrb271	HERBTEST	1	Sample		

Handwritten notes:
 - Line 1: Sample - dioxolep low B for mcl
 - Line 2: Sample - not used
 - Line 7: Sample - high

Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 51	+herb cc hrb271	HERBTEST	1	Sample		
2	Vial 52	wg429737-1	HERBTEST	1	Sample		
3	Vial 53	wg429737-1	HERBTEST	1	Sample		
4	Vial 54	wg429737-2	HERBTEST	1	Sample		
5	Vial 55	wg429737-3	HERBTEST	1	Sample		
6	Vial 56	11013017-01	HERBTEST	1	Sample		
7	Vial 57	+herb cc hrb271	HERBTEST	1	Sample		

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Sep 02 2010, 06:52 am

Work Group: WG430105 for Department: 42 GC - Semivolatiles

Created: 30-AUG-10 Due: Operator:

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1013017-01	WC-001 PZ-B	S HERB-APA	WATER	DONE	U	0830	0830	S0	Amber-A1
WG429737-1	Laboratory Method Bl	S HERB-APA	WATER	DONE	U				
WG429737-2	Laboratory Control S	S HERB-APA	WATER	DONE	U				
WG429737-3	LCS Duplicate	S HERB-APA	WATER	DONE	U				
Comments:									
WG429737-3	WG429737-2								

ORGANIC ELN REPORT

Workgroup: WG429737

Prep Method: EPA 8151A Solvent Type: DCM Lot #: dc347 Surrogate Type: Herbicide Lot #: 272 Spike Type: Herbicides Lot #: 268 Spike Verify by: PM Lims Spikelot: HERB8151 Additional Reagents/Std s	Conc.Method: KD Solvent Type: Lot #: 101540 Additional Reagents/Std s	Cleanup 1 Cleanup Method 1: Cleanup Method 2: Solvent Type: Lot #: Additional Reagents/Std s

<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>12N H2SO4</td><td>12A082610</td></tr> <tr><td>25% NaOH</td><td>Na082310</td></tr> <tr><td>Acidified Na2SO4</td><td>082710</td></tr> <tr><td>DCM</td><td>DC347</td></tr> <tr><td>Diethyl ether</td><td>101540</td></tr> <tr><td>Na2S2O3</td><td>NA</td></tr> <tr><td>NaCl</td><td>NA</td></tr> </table>	12N H2SO4	12A082610	25% NaOH	Na082310	Acidified Na2SO4	082710	DCM	DC347	Diethyl ether	101540	Na2S2O3	NA	NaCl	NA	<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>Acidified Na2SO4</td><td>082710</td></tr> <tr><td>Diazomethane</td><td>082710</td></tr> <tr><td>Hexane</td><td></td></tr> <tr><td>Isooctane</td><td>40996kk</td></tr> <tr><td>Methanol</td><td>un1230</td></tr> <tr><td>Silicic Acid</td><td>086023</td></tr> </table>	Acidified Na2SO4	082710	Diazomethane	082710	Hexane		Isooctane	40996kk	Methanol	un1230	Silicic Acid	086023
12N H2SO4	12A082610																										
25% NaOH	Na082310																										
Acidified Na2SO4	082710																										
DCM	DC347																										
Diethyl ether	101540																										
Na2S2O3	NA																										
NaCl	NA																										
Acidified Na2SO4	082710																										
Diazomethane	082710																										
Hexane																											
Isooctane	40996kk																										
Methanol	un1230																										
Silicic Acid	086023																										

Sample/ Type	Extraction							Concentration		
	Extract Date	Analyst	Sample Vol ml	Ph	Trc Check	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml
WG429737-1 BLANK	08/27/10 07:25	Jerry Bonney	1000	B/A	-	1		08/27/10 14:37	Jerry Bonney	10
WG429737-2 LCS	08/27/10 07:25	Jerry Bonney	1000	B/A	-	1	1	08/27/10 14:37	Jerry Bonney	10
WG429737-3 LCSD	08/27/10 07:25	Jerry Bonney	1000	B/A	-	1	1	08/27/10 14:37	Jerry Bonney	10
L1013017-01 WATER	08/27/10 07:25	Jerry Bonney	1000	B/A	-	1		08/27/10 14:37	Jerry Bonney	10

**GC Extractable Analysis
Polychlorinated Biphenyls
(PCB)**

Aroclor QC Summary

2E

SDG No. : L1013017

Matrix: Water

GC Column 2: CLPPesticideII

[illegible]

TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
DCBP = DECACHLOROBIPHENYL

QC LIMITS
(30-150)
(30-150)

* Values outside of QC limits

3E
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER GC ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample - Client Sample No.: WG429547-2LCS

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
Aroclor 1016	3.13	NA	2.47	95	40-140
Aroclor 1260	3.13	NA	2.24	86	40-140

Lab Control Sample Duplicate: WG429547-3LCSD

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS RPD	REC.
Aroclor 1016	3.13	2.36	91	5	30	40-140
Aroclor 1260	3.13	2.01	77	11	30	40-140

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8082

SAMPLE NO.

WG429547-1BLANK

Instrument ID (2): PEST7.I

[illegible]

COMMENTS: _____

8D
GC ORGANICS ANALYTICAL SEQUENCE

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Init. Calib. Date(s): 14-JUL-2010 14-JUL-2010

Instrument ID : PEST7.I

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED
	=====	=====	=====	=====
01	1016/1260 l6	1016/1260 l6	07/14/10	10:58
02	1016/1260 l1	1016/1260 l1	07/14/10	11:10
03	1016/1260 l2	1016/1260 l2	07/14/10	11:22
04	1016/1260 l3	1016/1260 l3	07/14/10	11:35
05	1016/1260 l4	1016/1260 l4	07/14/10	11:47
06	1016/1260 l5	1016/1260 l5	07/14/10	11:59
07	1221/1254 l6	1221/1254 l6	07/14/10	12:11
08	1221/1254 l1	1221/1254 l1	07/14/10	12:24
09	1221/1254 l2	1221/1254 l2	07/14/10	12:36
10	1221/1254 l3	1221/1254 l3	07/14/10	12:48
11	1221/1254 l4	1221/1254 l4	07/14/10	13:01
12	1221/1254 l5	1221/1254 l5	07/14/10	13:13
13	1248 l6	1248 l6	07/14/10	13:25
14	1248 l1	1248 l1	07/14/10	13:38
15	1248 l2	1248 l2	07/14/10	13:50
16	1248 l3	1248 l3	07/14/10	14:02
17	1248 l4	1248 l4	07/14/10	14:14
18	1248 l5	1248 l5	07/14/10	14:27
19	1242/1268 l6	1242/1268 l6	07/14/10	14:39
20	1242/1268 l1	1242/1268 l1	07/14/10	14:51
21	1242/1268 l2	1242/1268 l2	07/14/10	15:04
22	1242/1268 l3	1242/1268 l3	07/14/10	15:16
23	1242/1268 l4	1242/1268 l4	07/14/10	15:28
24	1242/1268 l5	1242/1268 l5	07/14/10	15:40
25	1262 l4	1262 l4	07/14/10	15:53
26	1232 l4	1232 l4	07/14/10	16:05
27	1016/1260 ICV Quant	1016/1260 ICV Qu	07/14/10	16:17
28	1248 ICV Quant Rep	1248 ICV Quant	07/14/10	16:42
29	+1221/1254 ICV Qua	+1221/1254 ICV	07/15/10	10:52
30	+1242 ICV Quant Re	+1242 ICV Quant	07/15/10	11:32
31	+1016/1260 p3061	+1016/1260 p3061	08/27/10	08:33
32	WC-001 PZ-B	L1013017-01	08/27/10	09:06

8D

SDG No. : L1013017

Instrument ID : PEST7.I

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

[illegible]

Determination of Method Detection Limits

Lab: Alpha Analytical, Inc.
Westborough, MA

Method: EPA 8082

2008

GC Channels A & B PCBs Sep. Funnel Liquid

Approved

Page 1 of 2
Analyst: HG
Date: 5/6-8/2008
Instrument ID: PEST 7
Prep Method: EPA 3510C
Prep Chemist: IB, RA, JAB, EB
Clean-up Method: EPA 3665A, 3660B

MDL Table Channel A		Data File	MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7	MDL8	MDL9	MDL10	T-value used to calculate MDL value: 2.821						
	Analyte	Date Analyzed Spike Conc. ug/L	5/6/2008 Rep 1 ug/L	5/6/2008 Rep 2 ug/L	5/7/2008 Rep 3 ug/L	5/7/2008 Rep 4 ug/L	5/7/2008 Rep 5 ug/L	5/8/2008 Rep 6 ug/L	5/8/2008 Rep 7 ug/L	5/8/2008 Rep 8 ug/L	5/8/2008 Rep 9 ug/L	5/8/2008 Rep 10 ug/L	Mean ug/L	Ave. % Recov.	Std Dev	MDL ug/L	RL ug/L	Comment	
1	Aroclor 1016	0.100	0.0940	0.0836	0.1000	0.0833	0.0675	0.0888	0.0791	0.0767	0.0710	0.0833	0.083	83%	0.010	0.028	0.25		
2	Aroclor 1221	0.100	0.1030	0.0947	0.0928	0.0839	0.1030	0.0917	0.0784	0.0840	0.1070	0.0942	0.093	93%	0.009	0.026	0.25		
3	Aroclor 1232	0.100	0.0908	0.0937	0.0982	0.0893	0.1190	0.0788	0.0774	0.0947	0.0737	0.0824	0.090	90%	0.013	0.037	0.25		
4	Aroclor 1242	0.100	0.0909	0.0926	0.1010	0.1030	0.1100	0.1010	0.0874	0.0969	0.0964	0.0928	0.097	97%	0.007	0.019	0.25		
5	Aroclor 1248	0.100	0.0757	0.0725	0.0713	0.0776	0.0914	0.0776	0.0816	0.0750	0.0818	0.0728	0.078	78%	0.006	0.017	0.25		
6	Aroclor 1254	0.100	0.1000	0.0919	0.0831	0.0942	0.0863	0.0984	0.0903	0.0872	0.1000	0.0944	0.093	94%	0.006	0.016	0.25		
7	Aroclor 1260	0.100	0.0881	0.0812	0.0948	0.0955	0.0813	0.0952	0.0874	0.0873	0.0934	0.0893	0.089	89%	0.005	0.015	0.25		
8	Aroclor 1262	0.100	0.0949	0.0959	0.0965	0.0860	0.0841	0.0937	0.0871	0.0905	0.0827	0.0941	0.091	91%	0.005	0.015	0.25		
9	Aroclor 1268	0.100	0.0968	0.1010	0.1100	0.0938	0.1120	0.0967	0.1100	0.1000	0.0937	0.1050	0.102	102%	0.007	0.020	0.25		

Comments:

Determination of Method Detection Limits

Lab: Alpha Analytical, Inc.

Westborough, MA

Method: EPA 8082

2008

GC Channels A & B PCBs Sep. Funnel Liquid

Approved

Page 2 of 2	
Analyst:	HG
Date:	5/6-8/2008
Instrument ID:	PEST 7
Prep Method:	EPA 3510C
Prep Chemist:	IB, RA, JAB, EB
Clean-up Method:	EPA 3665A, 3660B

MDL Table Channel B		Data File	MDL1	MDL2	MDL3	MDL4	MDL5	MDL6	MDL7	MDL8	MDL9	MDL10	T-value used to calculate MDL value: 2.821					
	Analyte	Spike Conc. ug/L	Rep 1 ug/L	Rep 2 ug/L	Rep 3 ug/L	Rep 4 ug/L	Rep 5 ug/L	Rep 6 ug/L	Rep 7 ug/L	Rep 8 ug/L	Rep 9 ug/L	Rep 10 ug/L	Mean ug/L	Ave. % Recov.	Std Dev	MDL ug/L	RL ug/L	Comment
1	Aroclor 1016	0.100	0.0832	0.0733	0.1140	0.0867	0.0754	0.0807	0.0734	0.0848	0.0877	0.0803	0.084	84%	0.012	0.033	0.25	
2	Aroclor 1221	0.100	0.0919	0.0833	0.0748	0.1240	0.1020	0.0834	0.0710	0.0838	0.0977	0.0961	0.091	91%	0.015	0.043	0.25	
3	Aroclor 1232	0.100	0.0801	0.0937	0.1020	0.0838	0.1090	0.0854	0.0967	0.0871	0.0798	0.0948	0.091	91%	0.010	0.027	0.25	
4	Aroclor 1242	0.100	0.0841	0.0878	0.1030	0.1030	0.0940	0.0952	0.0850	0.0900	0.0981	0.0787	0.092	92%	0.008	0.023	0.25	
5	Aroclor 1248	0.100	0.0644	0.0574	0.0722	0.0790	0.0891	0.0788	0.0812	0.0694	0.0740	0.0702	0.074	74%	0.009	0.025	0.25	
6	Aroclor 1254	0.100	0.0741	0.0670	0.0709	0.0862	0.0789	0.0796	0.0731	0.0716	0.0789	0.0731	0.075	75%	0.006	0.016	0.25	
7	Aroclor 1260	0.100	0.0718	0.0777	0.0940	0.0817	0.0756	0.0844	0.0777	0.0832	0.0820	0.0833	0.081	81%	0.006	0.017	0.25	
8	Aroclor 1262	0.100	0.0858	0.0835	0.0865	0.0854	0.0776	0.0908	0.0766	0.0847	0.0801	0.0869	0.084	84%	0.004	0.013	0.25	
9	Aroclor 1268	0.100	0.0916	0.0958	0.1150	0.0987	0.1200	0.0953	0.1100	0.1040	0.0887	0.1030	0.102	102%	0.010	0.029	0.25	

Comments:

Aroclor Sample Data

1D
GC ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Sample wt/vol: 1200 (g/mL) ml

% Solids: N/A

Extraction: (Type) EPA 3510C

Concentrated Extract Volume: 1000 (uL)

Injection Volume: 1 (uL)

GPC Cleanup: (Y/N) N

Conc. Units: ug/L

CAS NO.

COMPOUND

GC Column: CLPPesticide

Lab Sample ID: L1013017-01

Lab File ID: 08270006

Date Received: 08/23/10

Date Extracted: 26-AUG-10

Date Analyzed: 08/27/10 09:06

Dilution Factor: 1

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	Result	RL	MDL	Q
12674-11-2-----	Aroclor 1016	ND	0.083	--	U
11104-28-2-----	Aroclor 1221	ND	0.083	--	U
11141-16-5-----	Aroclor 1232	ND	0.083	--	U
53469-21-9-----	Aroclor 1242	ND	0.083	--	U
12672-29-6-----	Aroclor 1248	ND	0.083	--	U
11097-69-1-----	Aroclor 1254	ND	0.083	--	U
11096-82-5-----	Aroclor 1260	ND	0.083	--	U

FORM I NYTCL-8082

1D
GC ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429547-1BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Sample wt/vol: 1200 (g/mL) ml

% Solids: N/A

Extraction: (Type) EPA 3510C

Concentrated Extract Volume: 1000 (uL)

Injection Volume: 1 (uL)

GPC Cleanup: (Y/N) N

Conc. Units: ug/L

CAS NO.

COMPOUND

GC Column: CLPPesticide

Lab Sample ID: WG429547-1

Lab File ID: 08270008

Date Received:

Date Extracted: 26-AUG-10

Date Analyzed: 08/27/10 09:31

Dilution Factor: 1

Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	Result	RL	MDL	Q
12674-11-2-----	Aroclor 1016	ND	0.083	--	U
11104-28-2-----	Aroclor 1221	ND	0.083	--	U
11141-16-5-----	Aroclor 1232	ND	0.083	--	U
53469-21-9-----	Aroclor 1242	ND	0.083	--	U
12672-29-6-----	Aroclor 1248	ND	0.083	--	U
11097-69-1-----	Aroclor 1254	ND	0.083	--	U
11096-82-5-----	Aroclor 1260	ND	0.083	--	U

FORM I NYTCL-8082

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\08270006.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 09:06
 Operator : kb Inst ID: Pest7.i
 Smp Info : l1013017-01,42
 Misc Info : wg429783,wg429547, ICAL5213
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m
 Meth Date : 27-Aug-2010 11:42 kbadura Quant Type: ISTD
 Cal Date : 30-JUL-2010 15:46 Cal File: 0730N006.D
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.12 Sample Matrix: WATER
 Processing Host: EXT-4

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

		CONCENTRATIONS									
RT	EXP RT	REL RT	RESPONSE	ON-COL (ng)	FINAL (ng)	TARGET	RANGE	RATIO	REVIEW	CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1	2,4,5,6-Tetrachloro-m-xylene					CAS #:					
2.344	2.343 (1.233)		436464	0.26573	0.266						

\$ 2	Decachlorobiphenyl					CAS #:					
6.274	6.273 (3.301)		173144	0.15496	0.155						

* 3	1-Bromo-2-Nitrobenzene					CAS #:					
1.900	1.903 (1.000)		181078	0.25000							

4	Aroclor 1016					CAS #:	12674-11-2				
Operator disabled compound identification.											

5	Aroclor-1221					CAS #:	11104-28-2				
Operator disabled compound identification.											

6	Aroclor-1232					CAS #:	11141-16-5				
Operator disabled compound identification.											

		CONCENTRATIONS							
RT	EXP RT	REL RT	RESPONSE	ON-COL (ng)	FINAL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
7 Aroclor 1242			CAS #: 53469-21-9						
Operator disabled compound identification.									

9 Aroclor-1248			CAS #: 12672-29-6						
Operator disabled compound identification.									

10 Aroclor-1254			CAS #: 11097-69-1						
Operator disabled compound identification.									

11 Aroclor-1260			CAS #: 11096-82-5						
Operator disabled compound identification.									

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 08270006.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: kb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m
Misc Info: wg429783,wg429547, ICAL5213

Calibration Date: 27-AUG-2010
Calibration Time: 10:07

Level: LOW
Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	247060	123530	494120	181078	-26.71

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.90	1.40	2.40	1.90	-0.15

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00584
Sample Matrix: LIQUID Fraction: OTHER
Lab Smp Id:
Level: LOW Operator: kb
Data Type: GC MULTI COMP SampleType: SAMPLE
SpikeList File: pcb1660.spk Quant Type: ISTD
Sublist File: pcb.sub
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m
Misc Info: wg429783, wg429547, ICAL5213

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2,4,5,6-Tetrachlor	0.500	0.266	53.15	30-150
\$ 2 Decachlorobiphenyl	0.500	0.155	30.99	30-150

Date : 27-AUG-2010 09:06

Client ID:

Instrument: Pest7.i

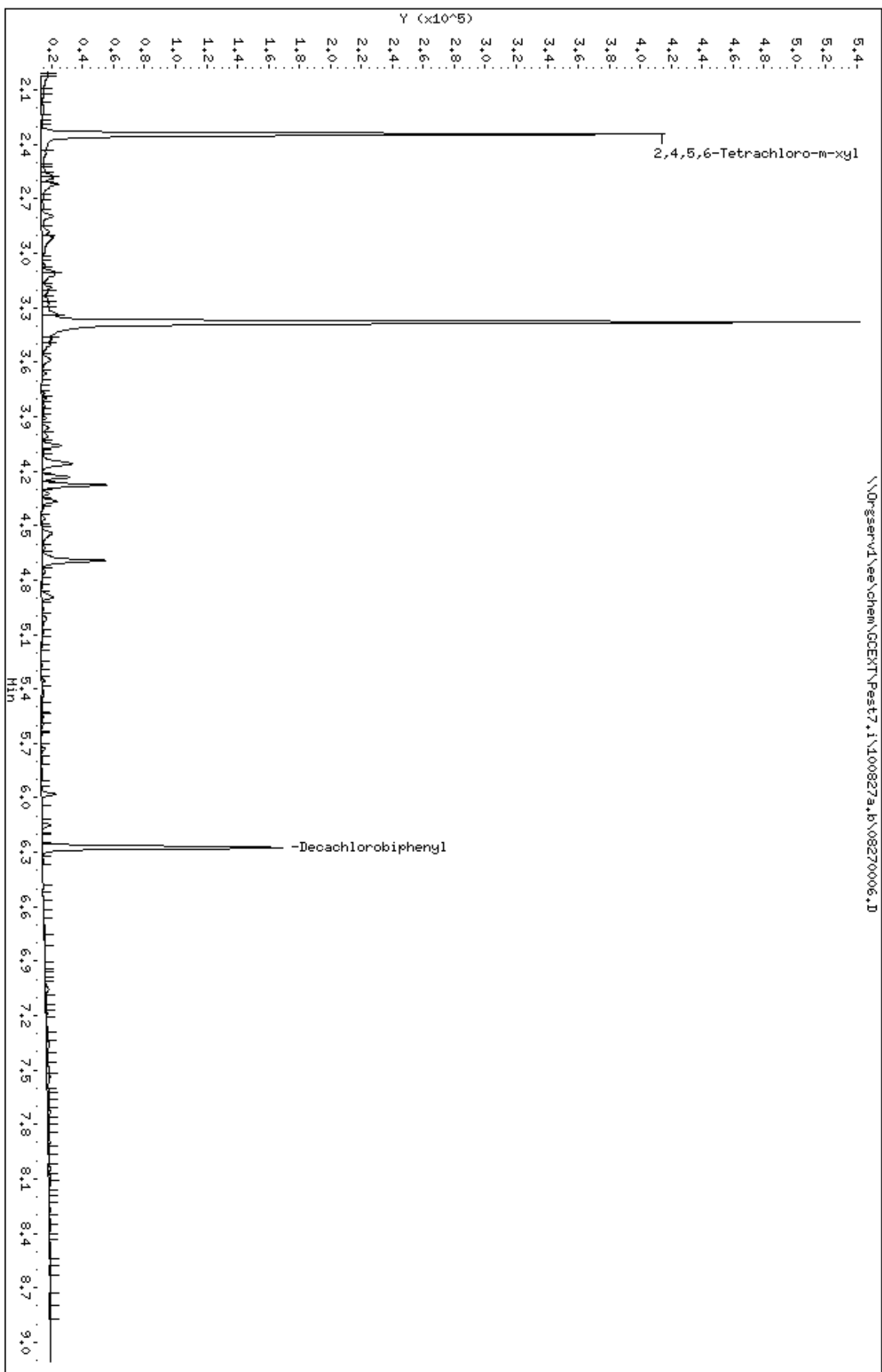
Sample Info: 11013017-01.42

Purge Volume: 1200.0

Operator: kb

Column phase: Rtx-1701

Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\08270006.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 09:06
 Operator : kb Inst ID: Pest7.i
 Smp Info : l1013017-01,42
 Misc Info : wg429783,wg429547, ICAL5214
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m
 Meth Date : 27-Aug-2010 11:43 kbadura Quant Type: ISTD
 Cal Date : 30-JUL-2010 15:46 Cal File: 0730N006.D
 Als bottle: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.12 Sample Matrix: WATER
 Processing Host: EXT-4

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

CONCENTRATIONS									
RT	EXP RT	REL RT	RESPONSE (	ON-COL ng)	FINAL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	2,4,5,6-Tetrachloro-m-xylene				CAS #:				
2.587	2.590	(1.285)	1020572	0.18769	0.188				

\$ 2	Decachlorobiphenyl				CAS #:				
6.874	6.870	(3.413)	346713	0.11826	0.118	(R)			

* 3	1-Bromo-2-Nitrobenzene				CAS #:				
2.014	2.017	(1.000)	637953	0.25000					

4	Aroclor 1016				CAS #:	12674-11-2			
Operator disabled compound identification.									

5	Aroclor-1221				CAS #:	11104-28-2			
Operator disabled compound identification.									

6	Aroclor-1232				CAS #:	11141-16-5			
Operator disabled compound identification.									

			CONCENTRATIONS						
			ON-COL	FINAL					
RT	EXP RT	REL RT	RESPONSE (	ng)	(	ng)	TARGET RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
7 Aroclor 1242			CAS #: 53469-21-9						
Operator disabled compound identification.									

9 Aroclor-1248			CAS #: 12672-29-6						
Operator disabled compound identification.									

10 Aroclor-1254			CAS #: 11097-69-1						
Operator disabled compound identification.									

11 Aroclor-1260			CAS #: 11096-82-5						
Operator disabled compound identification.									

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 08270006.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: kb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m
Misc Info: wg429783, wg429547, ICAL5214

Calibration Date: 27-AUG-2010
Calibration Time: 10:07
Level: LOW
Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	739290	369645	1478580	637953	-13.71

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.01	-0.14

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

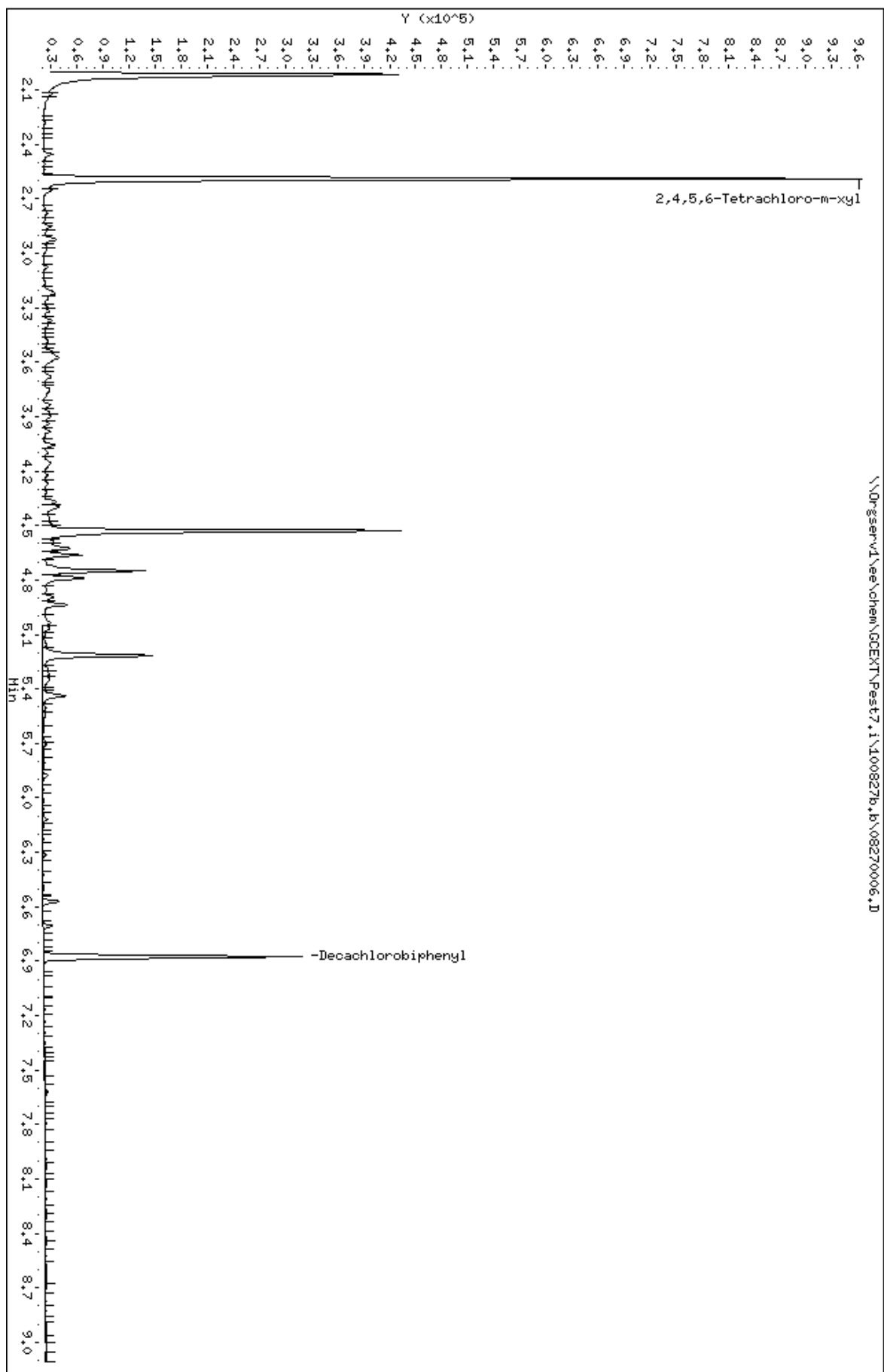
RECOVERY REPORT

Client Name: Client SDG: SDGa00661
Sample Matrix: LIQUID Fraction: OTHER
Lab Smp Id:
Level: LOW Operator: kb
Data Type: GC MULTI COMP SampleType: SAMPLE
SpikeList File: pcb1660.spk Quant Type: ISTD
Sublist File: pcb.sub
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m
Misc Info: wg429783, wg429547, ICAL5214

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2,4,5,6-Tetrachlor	0.500	0.188	37.54	30-150
\$ 2 Decachlorobiphenyl	0.500	0.118	23.65*	30-150

Data File: \\Drger\rd\ee\chem\GCEXT\Pest7.i\100827b.b\08270006.D
Date : 27-AUG-2010 09:06
Client ID:
Sample Info: 11013017-01.42
Purge Volume: 1200.0
Column phase: HP-5

Instrument: Pest7.i
Operator: kb
Column diameter: 0.32



Aroclor Standards Data

Initial Calibration

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST7.I Calibration Date(s): 14-JUL-2010 14-JUL-2010

Calibration Times: 10:58 16:05

Calibration File Names:

Level 1: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D020.D
 Level 2: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D021.D
 Level 3: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D022.D
 Level 4: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D026.D
 Level 5: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D024.D
 Level 6: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D019.D

Compound	8.0000	40.0000	80.0000	160.0000	320.0000	400.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
4 Aroclor 1016(1)	19105	37955	88097	168644	324375	8383	LINR	-0.44479	0.01940		0.99987
(2)	43039	83197	203027	389488	769709	10157	LINR	-0.07536	0.04631		0.99983
(3)	56071	117105	251698	470549	949071	8835	LINR	-0.18686	0.05676		0.99917
(4)	34428	64160	156787	302816	592010	6178	LINR	-0.09880	0.03567		0.99989
(5)	22419	44705	105690	195284	375029	3530	LINR	-0.36762	0.02255		0.99938
5 Aroclor 1221(1)	0.00919	0.00807	0.00916	0.00873	0.00814	0.00782	AVRG		0.00852		6.94532
(2)	0.01199	0.01288	0.01082	0.01100	0.01014	0.01446	AVRG		0.01188		13.35772
(3)	0.00560	0.00611	0.00513	0.00529	0.00500	0.00606	AVRG		0.00553		8.57946
(4)	0.03378	0.03488	0.02853	0.02750	0.02552	0.03871	AVRG		0.03149		16.14137
6 Aroclor 1232(1)	+++++	+++++	+++++	0.02250	+++++	+++++	AVRG		0.02250		0.000e+000
(2)	+++++	+++++	+++++	0.02135	+++++	+++++	AVRG		0.02135		0.000e+000
(3)	+++++	+++++	+++++	0.04383	+++++	+++++	AVRG		0.04383		0.000e+000
(4)	+++++	+++++	+++++	0.01613	+++++	+++++	AVRG		0.01613		0.000e+000
(5)	+++++	+++++	+++++	0.01699	+++++	+++++	AVRG		0.01699		0.000e+000

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST7.I Calibration Date(s): 14-JUL-2010 14-JUL-2010

Calibration Times: 10:58 16:05

Compound	8.0000	40.0000	80.0000	160.0000	320.0000	400.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
7 Aroclor 1242(1)	0.03896	0.03697	0.03740	0.03790	0.03685	0.04427	AVRG		0.03872		7.28679
(2)	0.07096	0.07001	0.07456	0.07903	0.07615	0.07629	AVRG		0.07450		4.61782
(3)	0.02916	0.02792	0.02818	0.02903	0.02843	0.03207	AVRG		0.02913		5.21543
(4)	0.03423	0.03196	0.03125	0.03248	0.03164	0.04085	AVRG		0.03373		10.77824
(5)	0.01649	0.01661	0.01881	0.01901	0.01969	0.01524	AVRG		0.01764		10.01950
9 Aroclor 1248(1)	0.03165	0.02989	0.03010	0.02800	0.02957	0.03612	AVRG		0.03089		9.10966
(2)	0.05093	0.04769	0.04676	0.04646	0.04775	0.05593	AVRG		0.04925		7.38406
(3)	0.03160	0.03270	0.03494	0.03712	0.03824	0.03235	AVRG		0.03449		7.91903
(4)	0.04959	0.04490	0.04339	0.04230	0.04380	0.04838	AVRG		0.04539		6.45006
(5)	0.02527	0.02400	0.02316	0.02252	0.02269	0.02395	AVRG		0.02360		4.34802
10 Aroclor 1254(1)	0.04529	0.04487	0.04258	0.04270	0.04095	0.05158	AVRG		0.04466		8.38984
(2)	0.07128	0.06928	0.06669	0.06606	0.06357	0.08068	AVRG		0.06959		8.69604
(3)	0.07428	0.07588	0.07252	0.06420	0.06159	0.08017	AVRG		0.07144		9.99066
(4)	0.06060	0.06165	0.05797	0.05697	0.05444	0.06680	AVRG		0.05974		7.22515
(5)	0.07933	0.08052	0.07697	0.07704	0.07409	0.08769	AVRG		0.07928		5.90165
11 Aroclor 1260(1)	0.05707	0.05753	0.05727	0.05622	0.05661	0.06094	AVRG		0.05761		2.94612
(2)	0.08081	0.08357	0.08389	0.08389	0.08435	0.08886	AVRG		0.08423		3.08494
(3)	0.05341	0.05468	0.05429	0.05409	0.05405	0.05482	AVRG		0.05422		0.92879
(4)	0.12447	0.12917	0.13210	0.12975	0.12776	0.12326	AVRG		0.12775		2.61706
(5)	0.04867	0.05631	0.05618	0.05640	0.05936	0.06104	AVRG		0.05633		7.53667
12 Aroclor 1262(1)	+++++	+++++	+++++	0.07183	+++++	+++++	AVRG		0.07183		0.000e+000
(2)	+++++	+++++	+++++	0.06548	+++++	+++++	AVRG		0.06548		0.000e+000

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST7.I Calibration Date(s): 14-JUL-2010 14-JUL-2010

Calibration Times: 10:58 16:05

Compound	8.0000	40.0000	80.0000	160.0000	320.0000	400.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
(3)	++++	++++	++++	0.13444	++++	++++	AVRG		0.13444		0.000e+000
(4)	++++	++++	++++	0.06216	++++	++++	AVRG		0.06216		0.000e+000
(5)	++++	++++	++++	0.05710	++++	++++	AVRG		0.05710		0.000e+000
13 Aroclor 1268(1)	0.14463	0.15233	0.15971	0.16332	0.14477	0.17728	AVRG		0.15701		7.96996
(2)	0.16953	0.16260	0.17404	0.16648	0.16457	0.19759	AVRG		0.17247		7.50658
(3)	0.10549	0.10467	0.11028	0.11018	0.10515	0.12683	AVRG		0.11043		7.62662
(4)	0.05332	0.05250	0.05439	0.05416	0.05314	0.06654	AVRG		0.05568		9.64077
(5)	0.29489	0.29916	0.31258	0.30020	0.27159	0.34995	AVRG		0.30473		8.49842
=====											
\$ 1 2,4,5,6-Tetrachloro-m-xylene	2.08610	2.26454	2.36719	2.28399	2.37316	2.23127	AVRG		2.26771		4.65010
\$ 2 Decachlorobiphenyl	1.60393	1.66832	1.25220	1.62209	1.63685	1.47235	AVRG		1.54262		10.21022

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST7.I Calibration Date(s): 14-JUL-2010 14-JUL-2010

Calibration Times: 10:58 16:05

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST7.I Calibration Date(s): 14-JUL-2010 15-JUL-2010

Calibration Times: 10:58 10:52

Calibration File Names:

Level 1: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D014.D
 Level 2: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D021.D
 Level 3: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D022.D
 Level 4: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D026.D
 Level 5: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D024.D
 Level 6: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D019.D

Compound	8.0000	40.0000	80.0000	160.0000	320.0000	400.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
4 Aroclor 1016(1)	36351	66987	159916	311155	621002	15394	LINR	-0.35547	0.01822		0.99982
(2)	73324	144332	361062	705174	1414695	21188	LINR	-0.07959	0.04184		0.99984
(3)	136571	276459	718392	1432657	2850649	15342	LINR	0.13370	0.08497		0.99995
(4)	62405	122508	299051	577155	1151869	10012	LINR	-0.12467	0.03408		0.99977
(5)	42515	85209	211853	414828	845460	7025	LINR	0.09044	0.02506		0.99966
5 Aroclor 1221(1)	0.01097	0.01012	0.00996	0.00887	0.00841	0.00773	AVRG		0.00934		12.93505
(2)	0.00283	0.00282	0.00314	0.00297	0.00287	0.00165	AVRG		0.00271		19.74217
(3)	0.01117	0.01071	0.01085	0.01041	0.00986	0.01347	AVRG		0.01108		11.30451
(4)	0.00653	0.00628	0.00645	0.00618	0.00574	0.00676	AVRG		0.00632		5.50154
(5)	0.02930	0.02769	0.02743	0.02633	0.02443	0.03180	AVRG		0.02783		9.07884
6 Aroclor 1232(1)	+++++	+++++	+++++	0.02134	+++++	+++++	AVRG		0.02134		0.000e+000
(2)	+++++	+++++	+++++	0.01957	+++++	+++++	AVRG		0.01957		0.000e+000
(3)	+++++	+++++	+++++	0.03790	+++++	+++++	AVRG		0.03790		0.000e+000
(4)	+++++	+++++	+++++	0.01619	+++++	+++++	AVRG		0.01619		0.000e+000

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST7.I Calibration Date(s): 14-JUL-2010 15-JUL-2010

Calibration Times: 10:58 10:52

Compound	8.0000	40.0000	80.0000	160.0000	320.0000	400.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
(5)	++++	++++	++++	0.01086	++++	++++	AVRG		0.01086		0.000e+000
7 Aroclor 1242(1)	0.03640	0.03440	0.03455	0.03395	0.03303	0.04123	AVRG		0.03559		8.35527
(2)	0.06450	0.06334	0.06687	0.06797	0.06730	0.07002	AVRG		0.06667		3.62265
(3)	0.03232	0.02930	0.02918	0.02830	0.02717	0.03606	AVRG		0.03039		10.74462
(4)	0.02147	0.02106	0.02138	0.02176	0.02104	0.02363	AVRG		0.02172		4.49047
(5)	0.02961	0.02664	0.02803	0.02815	0.02557	0.02862	AVRG		0.02777		5.20168
9 Aroclor 1248(1)	0.02926	0.02756	0.02877	0.02890	0.02702	0.03333	AVRG		0.02914		7.62952
(2)	0.03312	0.03184	0.03388	0.03438	0.03253	0.03803	AVRG		0.03396		6.45033
(3)	0.02962	0.02982	0.03421	0.03670	0.03662	0.03384	AVRG		0.03347		9.36569
(4)	0.03417	0.04490	0.04504	0.04442	0.04224	0.03165	AVRG		0.04041		14.70983
(5)	0.04826	0.04648	0.04883	0.04908	0.04708	0.05601	AVRG		0.04929		6.98624
10 Aroclor 1254(1)	0.06046	0.06026	0.04876	0.04711	0.04073	0.06639	AVRG		0.05395		18.26079
(2)	0.04843	0.04805	0.04630	0.04644	0.04268	0.05294	AVRG		0.04747		7.08564
(3)	0.06970	0.06931	0.06751	0.06876	0.06325	0.07424	AVRG		0.06880		5.16470
(4)	0.03755	0.03681	0.03532	0.03507	0.03154	0.04058	AVRG		0.03615		8.30632
(5)	0.07187	0.07231	0.07041	0.07105	0.06557	0.07655	AVRG		0.07129		4.96286
11 Aroclor 1260(1)	0.05103	0.05373	0.05240	0.05128	0.05178	0.04893	AVRG		0.05152		3.09427
(2)	0.05941	0.06321	0.06197	0.06071	0.06100	0.05707	AVRG		0.06056		3.52116
(3)	0.04556	0.04905	0.04852	0.04775	0.04837	0.04447	AVRG		0.04729		3.89243
(4)	0.09425	0.10387	0.10292	0.10173	0.10177	0.09399	AVRG		0.09976		4.44660
(5)	0.06160	0.06750	0.06497	0.06545	0.06672	0.06199	AVRG		0.06471		3.75540
12 Aroclor 1262(1)	++++	++++	++++	0.06372	++++	++++	AVRG		0.06372		0.000e+000

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST7.I Calibration Date(s): 14-JUL-2010 15-JUL-2010

Calibration Times: 10:58 10:52

Compound	8.0000 Level 1	40.0000 Level 2	80.0000 Level 3	160.0000 Level 4	320.0000 Level 5	400.0000 Level 6	Curve	Coefficients			%RSD or R^2
								b	m1	m2	
(2)	++++	++++	++++	0.05980	++++	++++	AVRG		0.05980		0.000e+000
(3)	++++	++++	++++	0.10787	++++	++++	AVRG		0.10787		0.000e+000
(4)	++++	++++	++++	0.07707	++++	++++	AVRG		0.07707		0.000e+000
(5)	++++	++++	++++	0.04772	++++	++++	AVRG		0.04772		0.000e+000
13 Aroclor 1268(1)	0.12932	0.13391	0.13424	0.13493	0.12948	0.14807	AVRG		0.13499		5.08045
(2)	0.13870	0.13707	0.14247	0.13729	0.13066	0.15520	AVRG		0.14023		5.89518
(3)	0.08210	0.08382	0.08627	0.08585	0.08350	0.09285	AVRG		0.08573		4.45074
(4)	0.04134	0.04147	0.04199	0.04200	0.04137	0.04630	AVRG		0.04241		4.54897
(5)	0.23275	0.23775	0.24225	0.23628	0.22136	0.25626	AVRG		0.23778		4.82646
=====											
\$ 1 2,4,5,6-Tetrachloro-m-xylene	1.94234	2.16007	2.19688	2.13691	2.22841	2.12068	AVRG		2.13088		4.71205
\$ 2 Decachlorobiphenyl	1.14238	1.25695	0.92281	1.20748	1.23564	1.12829	AVRG		1.14893		10.60399

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST7.I Calibration Date(s): 14-JUL-2010 15-JUL-2010

Calibration Times: 10:58 10:52

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

FORM VI-GC SEMI

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUL-2010 10:58
 End Cal Date : 14-JUL-2010 16:05
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Cal Date : 30-Jul-2010 10:54 Pest7.i

Calibration File Names:

Level 1: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D020.D
 Level 2: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D021.D
 Level 3: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D022.D
 Level 4: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D026.D
 Level 5: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D024.D
 Level 6: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D019.D

Compound	8.0000	40.0000	80.0000	160.0000	320.0000	400.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
4 Aroclor 1016(1)	19105	37955	88097	168644	324375	8383	LINR	-0.44479	0.01940		0.99987
(2)	43039	83197	203027	389488	769709	10157	LINR	-0.07536	0.04631		0.99983
(3)	56071	117105	251698	470549	949071	8835	LINR	-0.18686	0.05676		0.99917
(4)	34428	64160	156787	302816	592010	6178	LINR	-0.09880	0.03567		0.99989
(5)	22419	44705	105690	195284	375029	3530	LINR	-0.36762	0.02255		0.99938
5 Aroclor 1221(1)	0.00919	0.00807	0.00916	0.00873	0.00814	0.00782	AVRG		0.00852		6.94532
(2)	0.01199	0.01288	0.01082	0.01100	0.01014	0.01446	AVRG		0.01188		13.35772
(3)	0.00560	0.00611	0.00513	0.00529	0.00500	0.00606	AVRG		0.00553		8.57946
(4)	0.03378	0.03488	0.02853	0.02750	0.02552	0.03871	AVRG		0.03149		16.14137
6 Aroclor 1232(1)	+++++	+++++	+++++	0.02250	+++++	+++++	AVRG		0.02250		0.000e+000
(2)	+++++	+++++	+++++	0.02135	+++++	+++++	AVRG		0.02135		0.000e+000
(3)	+++++	+++++	+++++	0.04383	+++++	+++++	AVRG		0.04383		0.000e+000
(4)	+++++	+++++	+++++	0.01613	+++++	+++++	AVRG		0.01613		0.000e+000
(5)	+++++	+++++	+++++	0.01699	+++++	+++++	AVRG		0.01699		0.000e+000

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUL-2010 10:58
 End Cal Date : 14-JUL-2010 16:05
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\\ee\\chem\\GCEXT\\Pest7.i\\100714da.b\\pcb7a.m
 Cal Date : 30-Jul-2010 10:54 Pest7.i

Compound	8.0000 Level 1	40.0000 Level 2	80.0000 Level 3	160.0000 Level 4	320.0000 Level 5	400.0000 Level 6	Curve	Coefficients			%RSD or R^2
								b	m1	m2	
7 Aroclor 1242(1)	0.03896	0.03697	0.03740	0.03790	0.03685	0.04427	AVRG		0.03872		7.28679
(2)	0.07096	0.07001	0.07456	0.07903	0.07615	0.07629	AVRG		0.07450		4.61782
(3)	0.02916	0.02792	0.02818	0.02903	0.02843	0.03207	AVRG		0.02913		5.21543
(4)	0.03423	0.03196	0.03125	0.03248	0.03164	0.04085	AVRG		0.03373		10.77824
(5)	0.01649	0.01661	0.01881	0.01901	0.01969	0.01524	AVRG		0.01764		10.01950
9 Aroclor 1248(1)	0.03165	0.02989	0.03010	0.02800	0.02957	0.03612	AVRG		0.03089		9.10966
(2)	0.05093	0.04769	0.04676	0.04646	0.04775	0.05593	AVRG		0.04925		7.38406
(3)	0.03160	0.03270	0.03494	0.03712	0.03824	0.03235	AVRG		0.03449		7.91903
(4)	0.04959	0.04490	0.04339	0.04230	0.04380	0.04838	AVRG		0.04539		6.45006
(5)	0.02527	0.02400	0.02316	0.02252	0.02269	0.02395	AVRG		0.02360		4.34802
10 Aroclor 1254(1)	0.04529	0.04487	0.04258	0.04270	0.04095	0.05158	AVRG		0.04466		8.38984
(2)	0.07128	0.06928	0.06669	0.06606	0.06357	0.08068	AVRG		0.06959		8.69604
(3)	0.07428	0.07588	0.07252	0.06420	0.06159	0.08017	AVRG		0.07144		9.99066
(4)	0.06060	0.06165	0.05797	0.05697	0.05444	0.06680	AVRG		0.05974		7.22515
(5)	0.07933	0.08052	0.07697	0.07704	0.07409	0.08769	AVRG		0.07928		5.90165
11 Aroclor 1260(1)	0.05707	0.05753	0.05727	0.05622	0.05661	0.06094	AVRG		0.05761		2.94612
(2)	0.08081	0.08357	0.08389	0.08389	0.08435	0.08886	AVRG		0.08423		3.08494
(3)	0.05341	0.05468	0.05429	0.05409	0.05405	0.05482	AVRG		0.05422		0.92879
(4)	0.12447	0.12917	0.13210	0.12975	0.12776	0.12326	AVRG		0.12775		2.61706
(5)	0.04867	0.05631	0.05618	0.05640	0.05936	0.06104	AVRG		0.05633		7.53667
12 Aroclor 1262(1)	+++++	+++++	+++++	0.07183	+++++	+++++	AVRG		0.07183		0.000e+000
(2)	+++++	+++++	+++++	0.06548	+++++	+++++	AVRG		0.06548		0.000e+000

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUL-2010 10:58
 End Cal Date : 14-JUL-2010 16:05
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\\ee\\chem\\GCEXT\\Pest7.i\\100714da.b\\pcb7a.m
 Cal Date : 30-Jul-2010 10:54 Pest7.i

Compound	8.0000	40.0000	80.0000	160.0000	320.0000	400.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
(3)	+++++	+++++	+++++	0.13444	+++++	+++++	AVRG		0.13444		0.000e+000
(4)	+++++	+++++	+++++	0.06216	+++++	+++++	AVRG		0.06216		0.000e+000
(5)	+++++	+++++	+++++	0.05710	+++++	+++++	AVRG		0.05710		0.000e+000
13 Aroclor 1268(1)	0.14463	0.15233	0.15971	0.16332	0.14477	0.17728	AVRG		0.15701		7.96996
(2)	0.16953	0.16260	0.17404	0.16648	0.16457	0.19759	AVRG		0.17247		7.50658
(3)	0.10549	0.10467	0.11028	0.11018	0.10515	0.12683	AVRG		0.11043		7.62662
(4)	0.05332	0.05250	0.05439	0.05416	0.05314	0.06654	AVRG		0.05568		9.64077
(5)	0.29489	0.29916	0.31258	0.30020	0.27159	0.34995	AVRG		0.30473		8.49842
\$ 1 2,4,5,6-Tetrachloro-m-xylene	2.08610	2.26454	2.36719	2.28399	2.37316	2.23127	AVRG		2.26771		4.65010
\$ 2 Decachlorobiphenyl	1.60393	1.66832	1.25220	1.62209	1.63685	1.47235	AVRG		1.54262		10.21022

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUL-2010 10:58
End Cal Date : 14-JUL-2010 16:05
Quant Method : ISTD
Target Version : 4.12
Integrator : Falcon
Method file : \\Orgserv1\\ee\\chem\\GCEXT\\Pest7.i\\100714da.b\\pcb7a.m
Cal Date : 30-Jul-2010 10:54 Pest7.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D001.D
Lab Smp Id:
Inj Date : 14-JUL-2010 10:58
Operator : jb Inst ID: Pest7.i
Smp Info : 1016/1260 l6
Misc Info : wg422120,wg421869, ICAL4779
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Meth Date : 30-Jul-2010 11:53 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 14:39 Cal File: 0714D019.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1	2,4,5,6-Tetrachloro-m-xylene				CAS #:				
2.363	2.363	(1.235)	1306339	0.32000	0.315				

\$ 2	Decachlorobiphenyl				CAS #:				
6.313	6.313	(3.135)	2586034	0.96000	0.916		(M)	M2	

* 3	1-Bromo-2-Nitrobenzene				CAS #:				
1.913	1.913	(1.000)	457397	0.25000					

4 Aroclor 1016					CAS #: 12674-11-2				
2.613	2.613	(1.340)	8383	0.10000	0.125	80.00- 120.00	100.00(M)	M4	
2.817	2.817	(1.472)	10157	0.10000	0.101	184.37- 276.55	121.16	M4	
3.147	3.147	(1.644)	8835	0.10000	0.0384	228.57- 342.85	105.39	M4	
3.243	3.243	(1.695)	6178	0.10000	0.0700	142.38- 213.57	73.70	M4	
3.287	3.287	(1.745)	3530	0.10000		95.98- 143.96	42.11	M4	
Average of Peak Amounts =					0.06688				

11 Aroclor 1260					CAS #: 11096-82-5				
4.497	4.497	(2.350)	11149	0.10000	0.106	80.00- 120.00	100.00(M)	M1	
4.710	4.710	(2.461)	16257	0.10000	0.105	117.18- 175.78	145.82	M1	
5.173	5.173	(2.703)	10029	0.10000	0.101	75.84- 113.76	89.95	M1	
5.390	5.390	(2.817)	22552	0.10000	0.0965	184.52- 276.79	202.28	M1	
5.587	5.587	(2.947)	11167	0.10000	0.108	78.47- 117.71	100.16	M1	
Average of Peak Amounts =					0.10330				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D001.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
 Calibration Time: 11:35
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	424185	212093	848370	457397	7.83

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	0.37

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D001.D

Date : 14-JUL-2010 10:58

Client ID:

Sample Info: 1016/1260 16

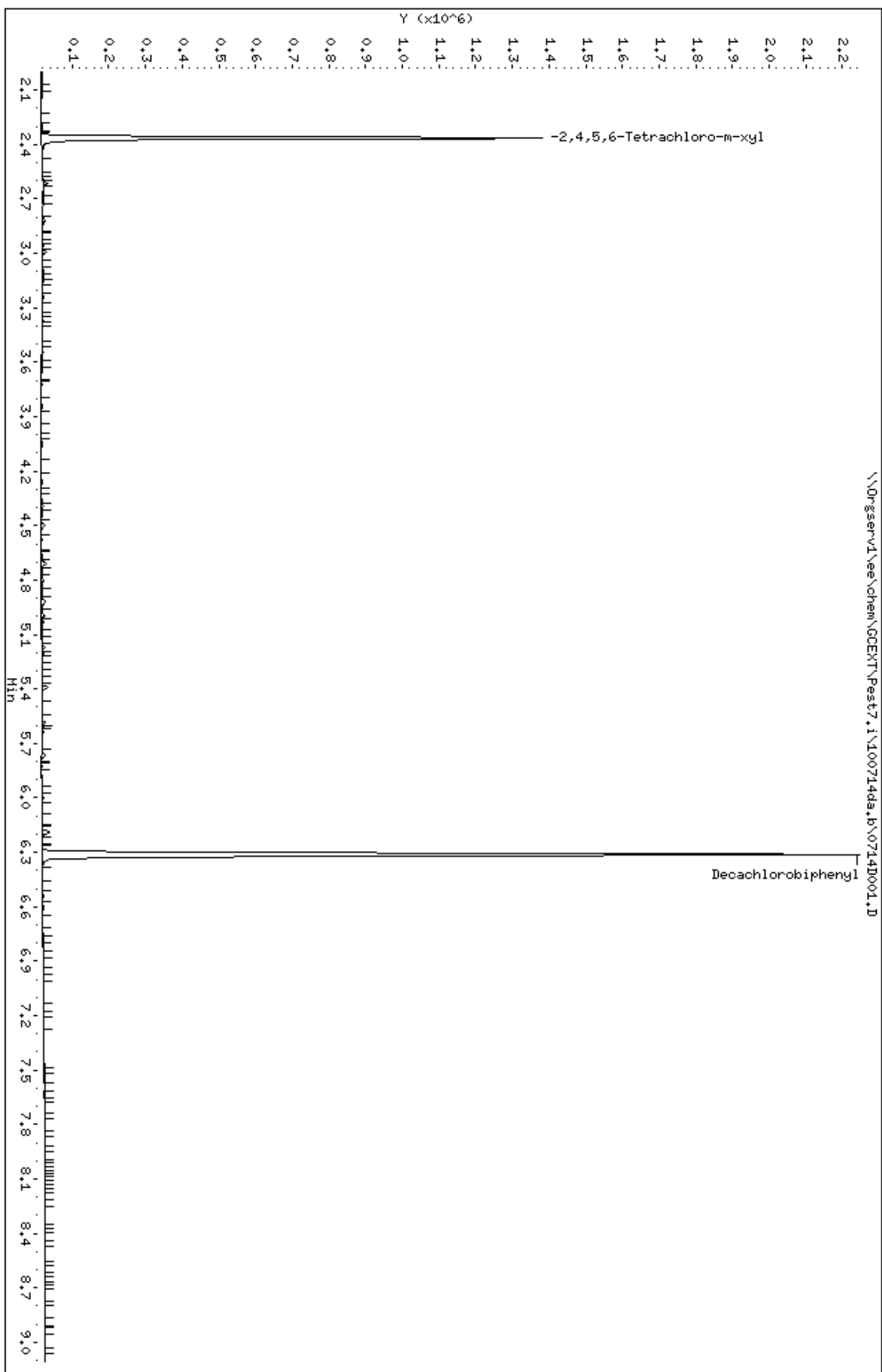
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D002.D
Lab Smp Id:
Inj Date : 14-JUL-2010 11:10
Operator : jb Inst ID: Pest7.i
Smp Info : 1016/1260 l1
Misc Info : wg422120,wg421869, ICAL4779
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Meth Date : 30-Jul-2010 11:53 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 14:39 Cal File: 0714D019.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2,4,5,6-Tetrachloro-m-xylene CAS #:									
2.350	2.350	(1.232)	37433	0.01000	0.00920				

\$ 2 Decachlorobiphenyl CAS #:									
6.296	6.296	(3.140)	86343	0.03000	0.0312			(M)	

* 3 1-Bromo-2-Nitrobenzene CAS #:									
1.906	1.906	(1.000)	448600	0.25000					

4 Aroclor 1016 CAS #: 12674-11-2									
2.580	2.580	(1.337)	19105	0.50000	0.438	80.00- 120.00	100.00(M)		M1
2.803	2.803	(1.470)	43039	0.50000	0.499	184.37- 276.55	225.28		M1
3.133	3.133	(1.643)	56071	0.50000	0.504	228.57- 342.85	293.49		M1
3.230	3.230	(1.694)	34428	0.50000	0.513	142.38- 213.57	180.20		M1
3.353	3.353	(1.759)	22419	0.50000	0.462	95.98- 143.96	117.35		M1
Average of Peak Amounts =					0.48320				

11 Aroclor 1260 CAS #: 11096-82-5									
4.483	4.483	(2.351)	51205	0.50000	0.495	80.00- 120.00	100.00(M)		M1
4.693	4.693	(2.477)	72504	0.50000	0.480	117.18- 175.78	141.60		M1
5.160	5.160	(2.706)	47923	0.50000	0.492	75.84- 113.76	93.59		M1
5.376	5.376	(2.820)	111672	0.50000	0.487	184.52- 276.79	218.09		M1
5.576	5.576	(2.951)	43663	0.50000	0.432	78.47- 117.71	85.27		M1
Average of Peak Amounts =					0.47720				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D002.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
 Calibration Time: 11:35
 Level:
 Sample Type:

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	424185	212093	848370	448600	5.76

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D002.D

Date : 14-JUL-2010 11:10

Client ID:

Sample Info: 1016/1260 11

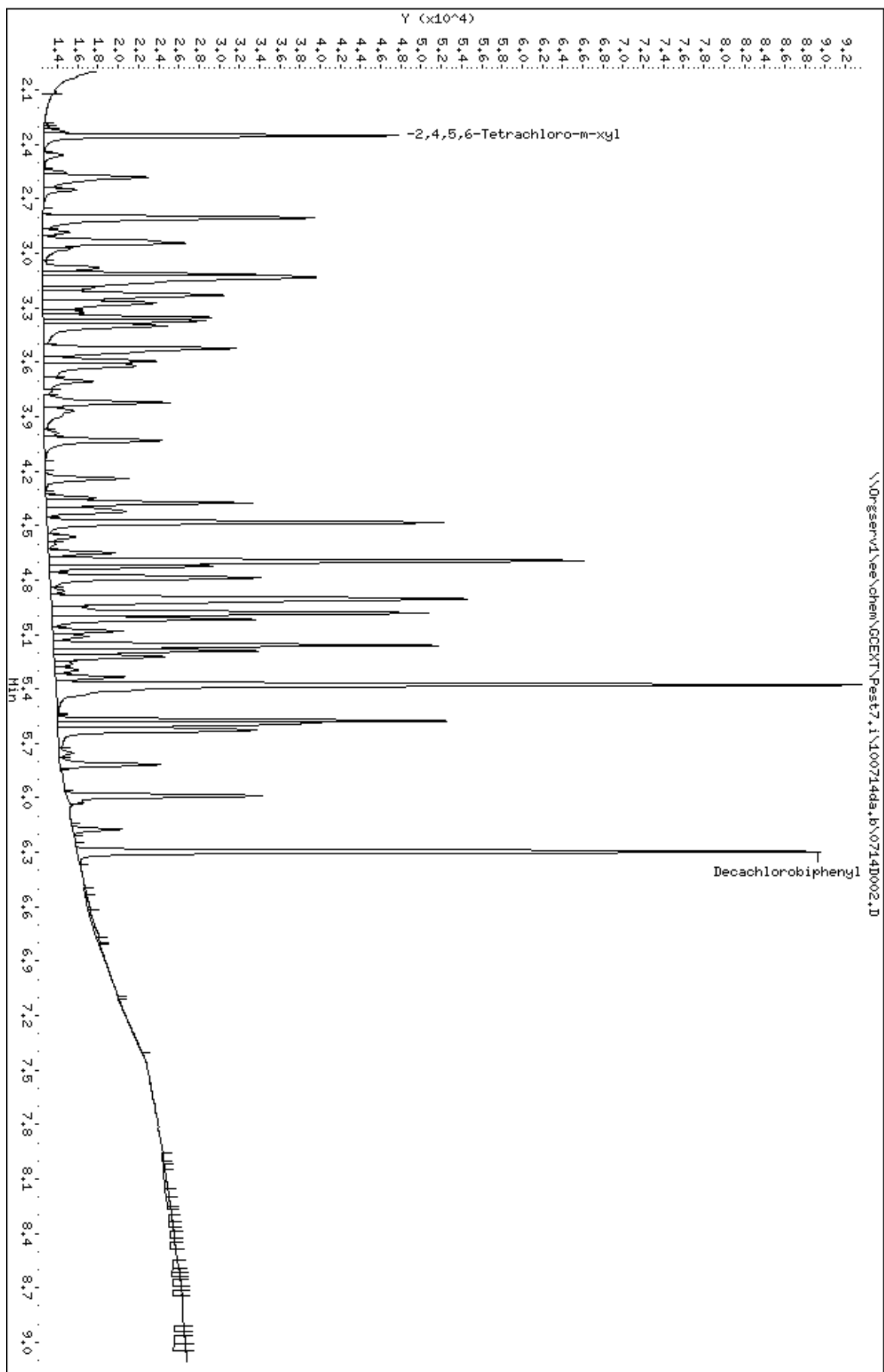
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D003.D
Lab Smp Id:
Inj Date : 14-JUL-2010 11:22
Operator : jb Inst ID: Pest7.i
Smp Info : 1016/1260 l2
Misc Info : wg422120,wg421869, ICAL4779
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Meth Date : 30-Jul-2010 11:53 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 14:51 Cal File: 0714D020.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1	2,4,5,6-Tetrachloro-m-xylene				CAS #:				
2.351	2.351	(1.234)	80269	0.02000	0.0200			(M)	

\$ 2	Decachlorobiphenyl				CAS #:				
6.291	6.291	(3.142)	177406	0.06000	0.0649			(M)	

* 3	1-Bromo-2-Nitrobenzene				CAS #:				
1.905	1.905	(1.000)	443076	0.25000				(M)	

4 Aroclor 1016					CAS #:	12674-11-2			
2.578	2.578	(1.339)	37955	1.00000	0.993	80.00- 120.00	100.00(M)		M1
2.801	2.801	(1.471)	83197	1.00000	0.995	184.37- 276.55	219.20		M1
3.128	3.128	(1.642)	117105	1.00000	1.12	228.57- 342.85	308.54		M1
3.225	3.225	(1.693)	64160	1.00000	0.990	142.38- 213.57	169.04		M1
3.271	3.271	(1.759)	44705	1.00000	1.03	95.98- 143.96	117.78		M1
Average of Peak Amounts =					1.02560				

11 Aroclor 1260					CAS #:	11096-82-5			
4.478	4.478	(2.351)	101957	1.00000	0.999	80.00- 120.00	100.00(M)		M1
4.691	4.691	(2.478)	148120	1.00000	0.992	117.18- 175.78	145.28		M1
5.158	5.158	(2.708)	96909	1.00000	1.01	75.84- 113.76	95.05		M1
5.375	5.375	(2.821)	228936	1.00000	1.01	184.52- 276.79	224.54		M1
5.571	5.571	(2.953)	99801	1.00000	1.000	78.47- 117.71	97.89		M1
Average of Peak Amounts =					1.00220				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D003.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
 Calibration Time: 11:35
 Level:
 Sample Type:

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	424185	212093	848370	443076	4.45

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	-0.08

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D003.D

Date : 14-JUL-2010 11:22

Client ID:

Sample Info: 1016/1260 12

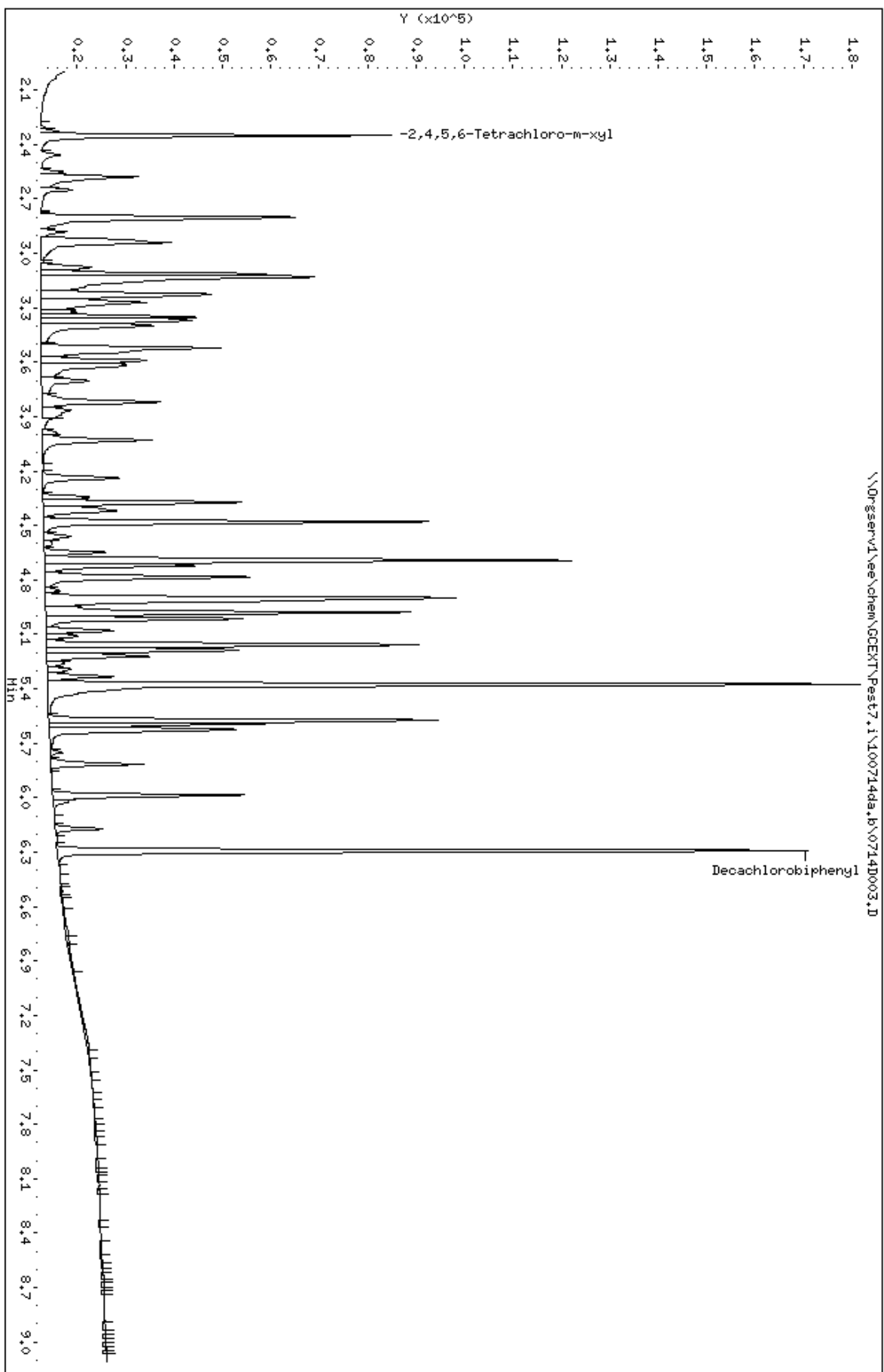
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D004.D
Lab Smp Id:
Inj Date : 14-JUL-2010 11:35
Operator : jb Inst ID: Pest7.i
Smp Info : 1016/1260 l3
Misc Info : wg422120,wg421869, ICAL4779
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Meth Date : 30-Jul-2010 11:53 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 15:04 Cal File: 0714D021.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2,4,5,6-Tetrachloro-m-xylene CAS #:									
2.350	2.350	(1.233)	160660	0.04000	0.0418			(M)	

\$ 2 Decachlorobiphenyl CAS #:									
6.293	6.293	(3.140)	339944	0.16000	0.130			(M)	

* 3 1-Bromo-2-Nitrobenzene CAS #:									
1.906	1.906	(1.000)	424185	0.25000				(M)	

4 Aroclor 1016 CAS #: 12674-11-2									
2.576	2.576	(1.337)	88097	2.50000	2.56	80.00- 120.00	100.00(M)		M1
2.800	2.800	(1.469)	203027	2.50000	2.56	184.37- 276.55	230.46		M1
3.126	3.126	(1.640)	251698	2.50000	2.57	228.56- 342.85	285.71		M1
3.223	3.223	(1.691)	156787	2.50000	2.56	142.38- 213.57	177.97		M1
3.270	3.270	(1.757)	105690	2.50000	2.67	95.98- 143.96	119.97		M1
Average of Peak Amounts =					2.58400				

11 Aroclor 1260 CAS #: 11096-82-5									
4.480	4.480	(2.350)	242940	2.50000	2.48	80.00- 120.00	100.00(M)		M1
4.690	4.690	(2.475)	355858	2.50000	2.49	117.18- 175.78	146.48		M1
5.156	5.156	(2.705)	230306	2.50000	2.50	75.84- 113.76	94.80		M1
5.373	5.373	(2.818)	560353	2.50000	2.58	184.52- 276.79	230.65		M1
5.573	5.573	(2.949)	238297	2.50000	2.49	78.47- 117.71	98.09		M1
Average of Peak Amounts =					2.50800				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D004.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Misc Info: wg422120, wg421869, ICAL4779

Calibration Date: 14-JUL-2010
Calibration Time: 11:35
Level:
Sample Type:

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	424185	212093	848370	424185	0.00

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D004.D

Date : 14-JUL-2010 11:35

Client ID:

Sample Info: 1016/1260 13

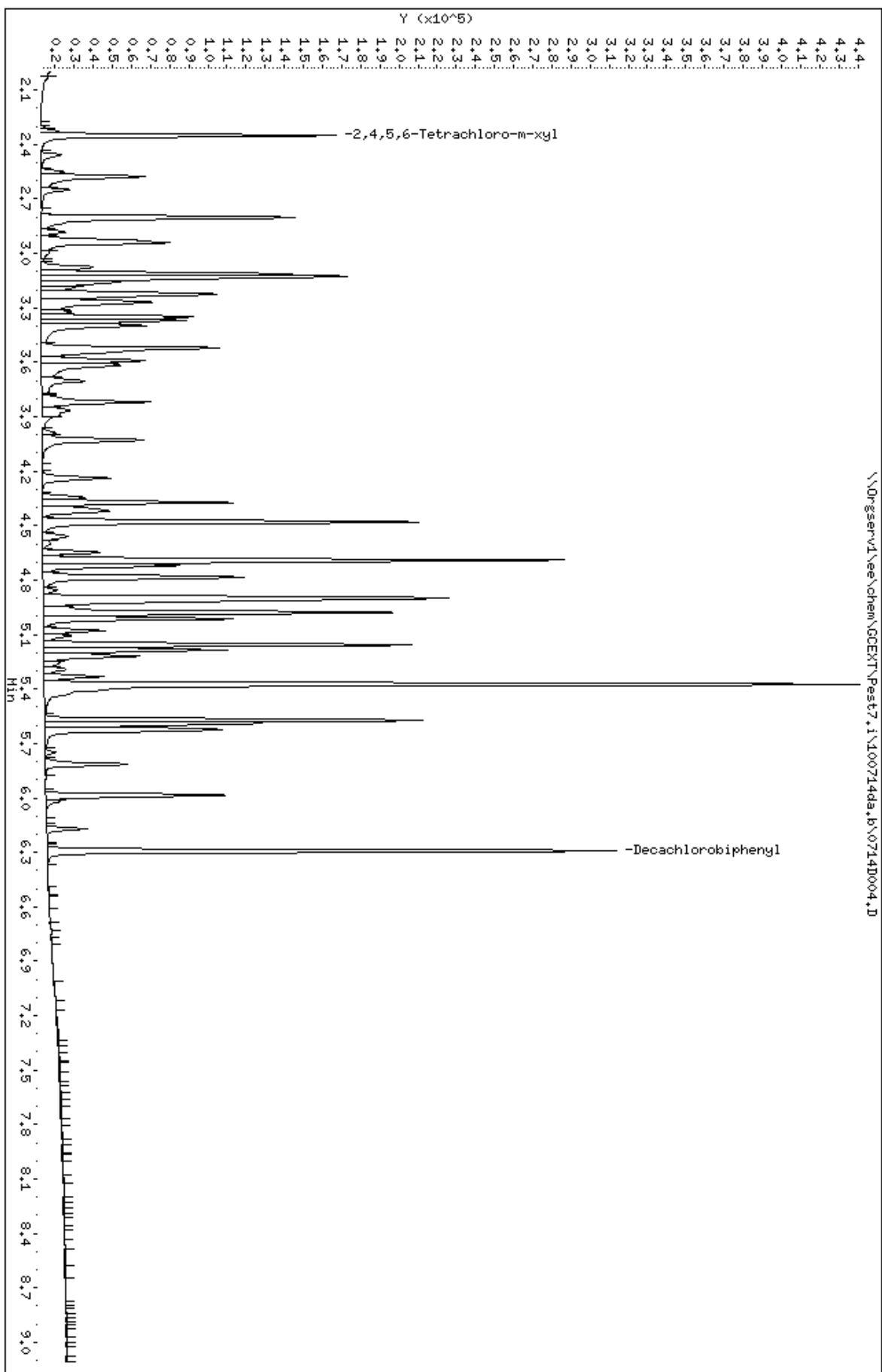
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D005.D
Lab Smp Id:
Inj Date : 14-JUL-2010 11:47
Operator : jb Inst ID: Pest7.i
Smp Info : 1016/1260 l4
Misc Info : wg422120,wg421869, ICAL4779
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Meth Date : 30-Jul-2010 11:53 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 15:16 Cal File: 0714D022.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2,4,5,6-Tetrachloro-m-xylene CAS #:									
2.349	2.349	(1.233)	311543	0.08000	0.0806			(M)	

\$ 2 Decachlorobiphenyl CAS #:									
6.293	6.293	(3.140)	663775	0.24000	0.252			(M)	

* 3 1-Bromo-2-Nitrobenzene CAS #:									
1.906	1.906	(1.000)	426260	0.25000				(M)	

4 Aroclor 1016 CAS #: 12674-11-2									
2.573	2.573	(1.336)	168644	5.00000	4.99	80.00- 120.00	100.00(M)		
2.799	2.799	(1.469)	389488	5.00000	4.91	184.37- 276.55	230.95		
3.123	3.123	(1.638)	470549	5.00000	4.82	228.56- 342.85	279.02		
3.219	3.219	(1.689)	302816	5.00000	4.95	142.38- 213.57	179.56		
3.266	3.266	(1.757)	195284	5.00000	4.99	95.98- 143.96	115.80		
Average of Peak Amounts =					4.93200				

11 Aroclor 1260 CAS #: 11096-82-5									
4.479	4.479	(2.350)	479314	5.00000	4.88	80.00- 120.00	100.00(M)	M1	
4.689	4.689	(2.476)	715195	5.00000	4.98	117.18- 175.78	149.21	M1	
5.156	5.156	(2.705)	461119	5.00000	4.99	75.84- 113.76	96.20	M1	
5.373	5.373	(2.818)	1106185	5.00000	5.08	184.52- 276.79	230.79	M1	
5.569	5.569	(2.949)	480817	5.00000	5.01	78.47- 117.71	100.31	M1	
Average of Peak Amounts =					4.98800				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D005.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
 Calibration Time: 11:35
 Level:
 Sample Type:

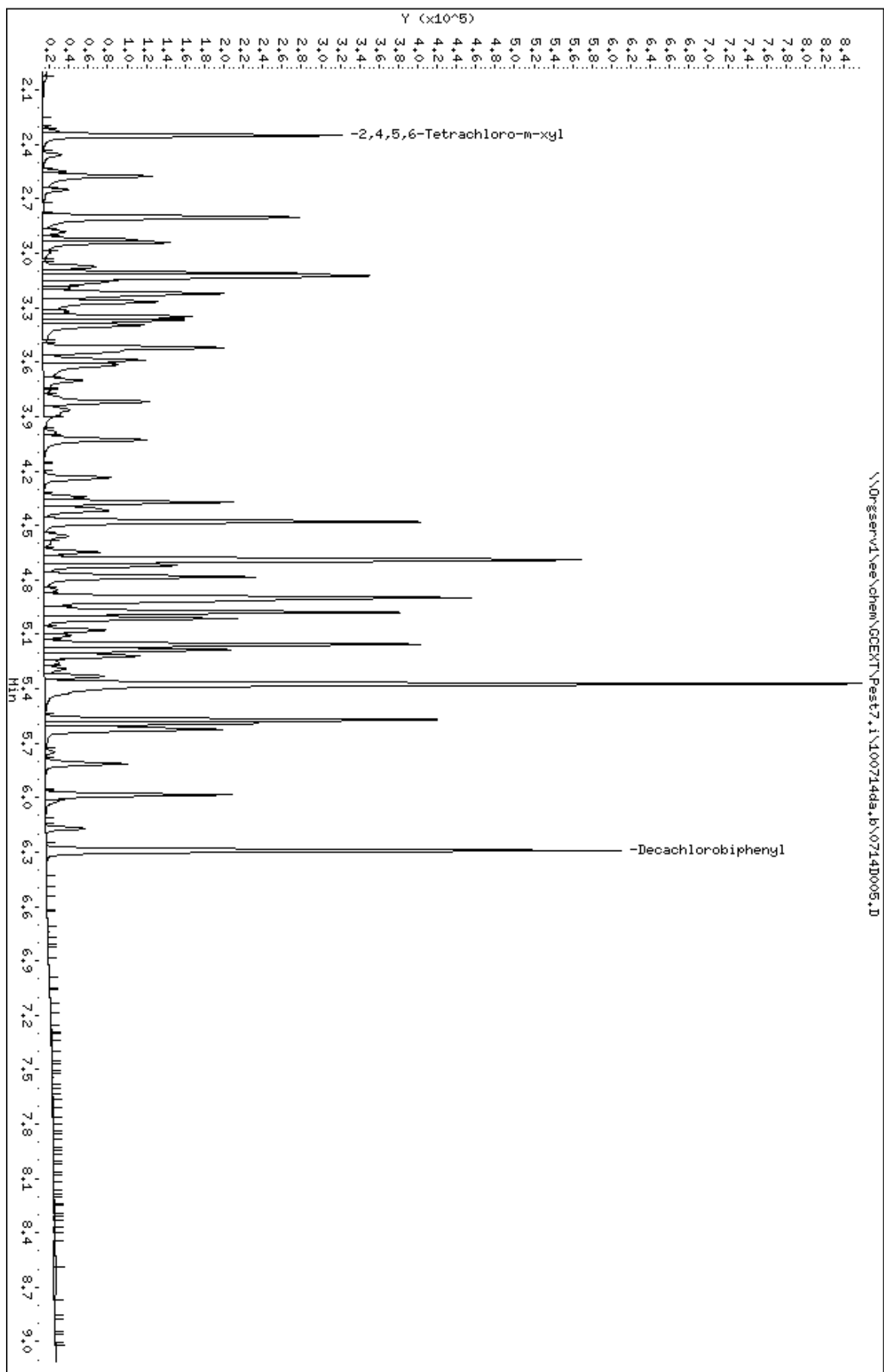
COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	424185	212093	848370	426260	0.49

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D005.D
Date : 14-JUL-2010 11:47
Client ID:
Sample Info: 1016/1260 14
Column phase: Rtx-1701

Instrument: Pest7.i
Operator: jlb
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D006.D
Lab Smp Id:
Inj Date : 14-JUL-2010 11:59
Operator : jb Inst ID: Pest7.i
Smp Info : 1016/1260 l5
Misc Info : wg422120,wg421869, ICAL4779
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Meth Date : 30-Jul-2010 11:53 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2,4,5,6-Tetrachloro-m-xylene CAS #:									
2.349	2.349	(1.235)	628283	0.16000	0.167				

\$ 2 Decachlorobiphenyl CAS #:									
6.289	6.289	(3.144)	1300047	0.48000	0.509			(M)	

* 3 1-Bromo-2-Nitrobenzene CAS #:									
1.903	1.903	(1.000)	413665	0.25000					

4 Aroclor 1016 CAS #: 12674-11-2									
2.573	2.573	(1.338)	324375	10.0000	9.99	80.00- 120.00	100.00(M)		
2.799	2.799	(1.471)	769709	10.0000	10.0	184.37- 276.55	237.29		
3.123	3.123	(1.641)	949071	10.0000	10.0	228.56- 342.85	292.58		
3.219	3.219	(1.692)	592010	10.0000	10.0	142.38- 213.57	182.51		
3.266	3.266	(1.758)	375029	10.0000	9.96	95.98- 143.96	115.62		
Average of Peak Amounts =					9.99000				

11 Aroclor 1260 CAS #: 11096-82-5									
4.476	4.476	(2.352)	936718	10.0000	9.83	80.00- 120.00	100.00(M)		M1
4.689	4.689	(2.480)	1395646	10.0000	10.0	117.18- 175.78	148.99		M1
5.156	5.156	(2.709)	894298	10.0000	9.97	75.84- 113.76	95.47		M1
5.373	5.373	(2.823)	2114050	10.0000	10.0	184.52- 276.79	225.69		M1
5.569	5.569	(2.955)	982237	10.0000	10.5	78.47- 117.71	104.86		M1
Average of Peak Amounts =					10.0600				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D006.D Calibration Time: 11:35
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

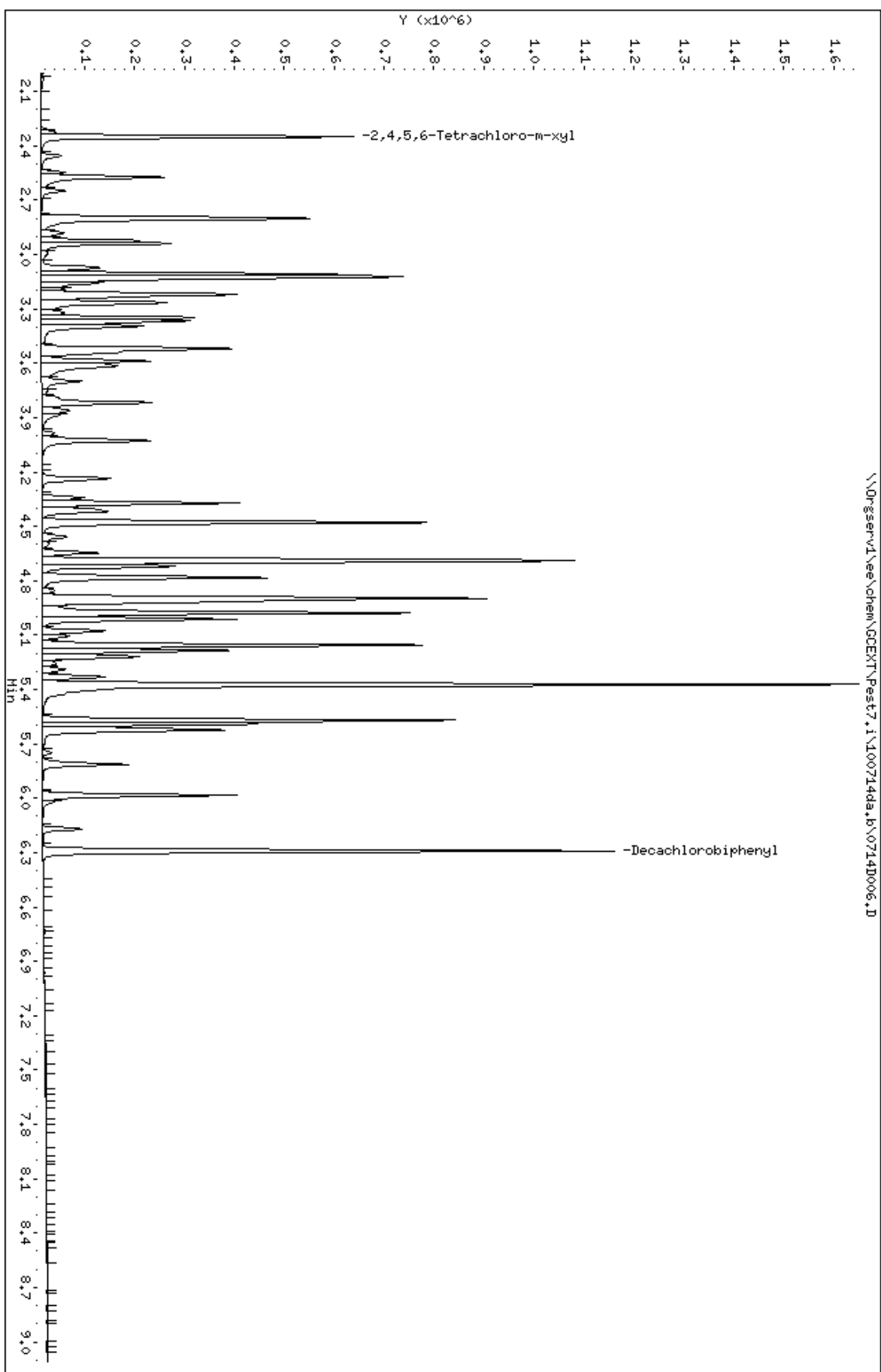
COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	424185	212093	848370	413665	-2.48

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.90	-0.19

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D006.D
Date : 14-JUL-2010 11:59
Client ID:
Sample Info: 1016/1260 15
Column phase: Rtx-1701

Instrument: Pest7.i
Operator: jlb
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D007.D
Lab Smp Id:
Inj Date : 14-JUL-2010 12:11
Operator : jb Inst ID: Pest7.i
Smp Info : 1221/1254 l6
Misc Info : wg422120,wg421869, ICAL4779
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 15:40 Cal File: 0714D024.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	CAL-AMT		ON-COL	TARGET RANGE		RATIO	REVIEW CODE
=====	=====	=====	RESPONSE	(ng)	(ng)	=====	=====	=====	=====

* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.906	1.906	(1.000)	440057	0.25000					

5 Aroclor 1221					CAS #: 11104-28-2				
2.033	2.033	(1.066)	1376	0.10000	0.0918	80.00-	120.00	100.00(M)	M4
2.459	2.459	(1.290)	2545	0.10000	0.122	88.07-	132.10	184.96	M4
2.553	2.553	(1.339)	1067	0.10000	0.110	53.27-	79.91	77.54	M4
2.579	2.579	(1.353)	6814	0.10000	0.123	234.34-	351.51	495.20	M4
Average of Peak Amounts =					0.11170				

10 Aroclor 1254					CAS #: 11097-69-1				
3.819	3.819	(2.004)	9079	0.10000	0.115	80.00-	120.00	100.00	
4.026	4.026	(2.112)	14202	0.10000	0.116	134.65-	201.97	156.43	
4.343	4.343	(2.278)	14111	0.10000	0.112	127.84-	191.76	155.42	
4.693	4.693	(2.462)	11758	0.10000	0.112	95.13-	142.69	129.51	
4.899	4.899	(2.570)	15435	0.10000	0.111	125.22-	187.83	170.01	
Average of Peak Amounts =					0.11320				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D007.D Calibration Time: 11:35
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

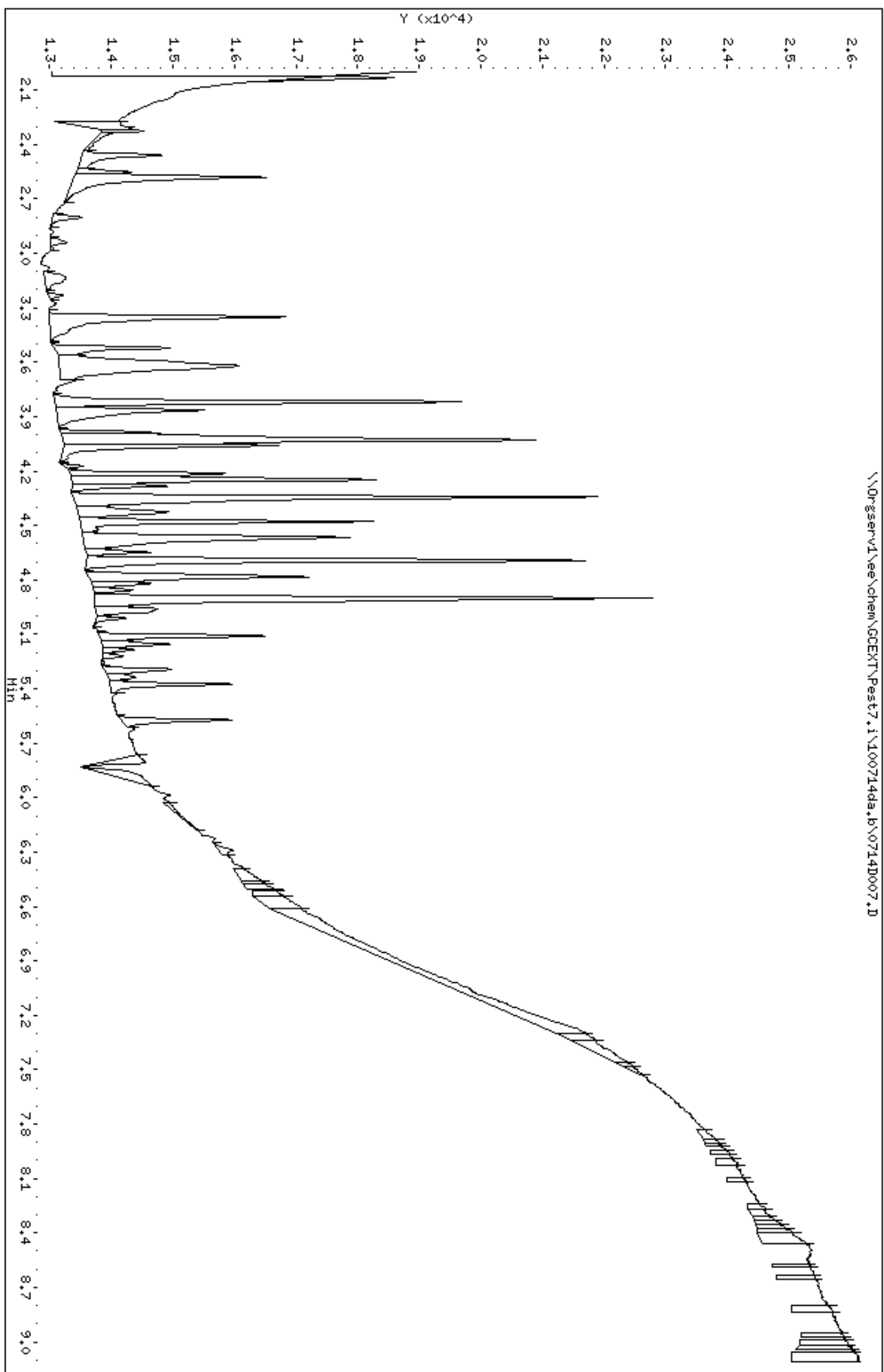
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	424185	212093	848370	440057	3.74

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgerw1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D007.D
Date : 14-JUL-2010 12:11
Client ID:
Sample Info: 1221/1254 16
Column phase: RtX-1701

Instrument: Pest7.i
Operator: jlb
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D008.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 12:24
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1221/1254 l1
 Misc Info : wg422120,wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 14:39 Cal File: 0714D019.D
 Als bottle: 8 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 2154.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.904	1.904	(1.000)	417353	0.25000					

5 Aroclor 1221					CAS #: 11104-28-2				
2.034	2.034	(1.068)	7674	0.50000	0.540	80.00- 120.00	100.00(M)	M2	
2.457	2.457	(1.291)	10010	0.50000	0.505	88.07- 132.10	130.44	M2	
2.551	2.551	(1.340)	4676	0.50000	0.506	53.27- 79.91	60.93	M2	
2.577	2.577	(1.354)	28200	0.50000	0.536	234.34- 351.51	367.47	M2	
Average of Peak Amounts =					0.52175				

10 Aroclor 1254					CAS #: 11097-69-1				
3.817	3.817	(2.005)	37800	0.50000	0.507	80.00- 120.00	100.00		
4.027	4.027	(2.115)	59497	0.50000	0.512	134.65- 201.97	157.40		
4.344	4.344	(2.281)	62006	0.50000	0.520	127.84- 191.76	164.04		
4.691	4.691	(2.463)	50587	0.50000	0.507	95.13- 142.69	133.83		
4.901	4.901	(2.574)	66219	0.50000	0.500	125.22- 187.83	175.18		
Average of Peak Amounts =					0.50920				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D008.D Calibration Time: 11:35
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

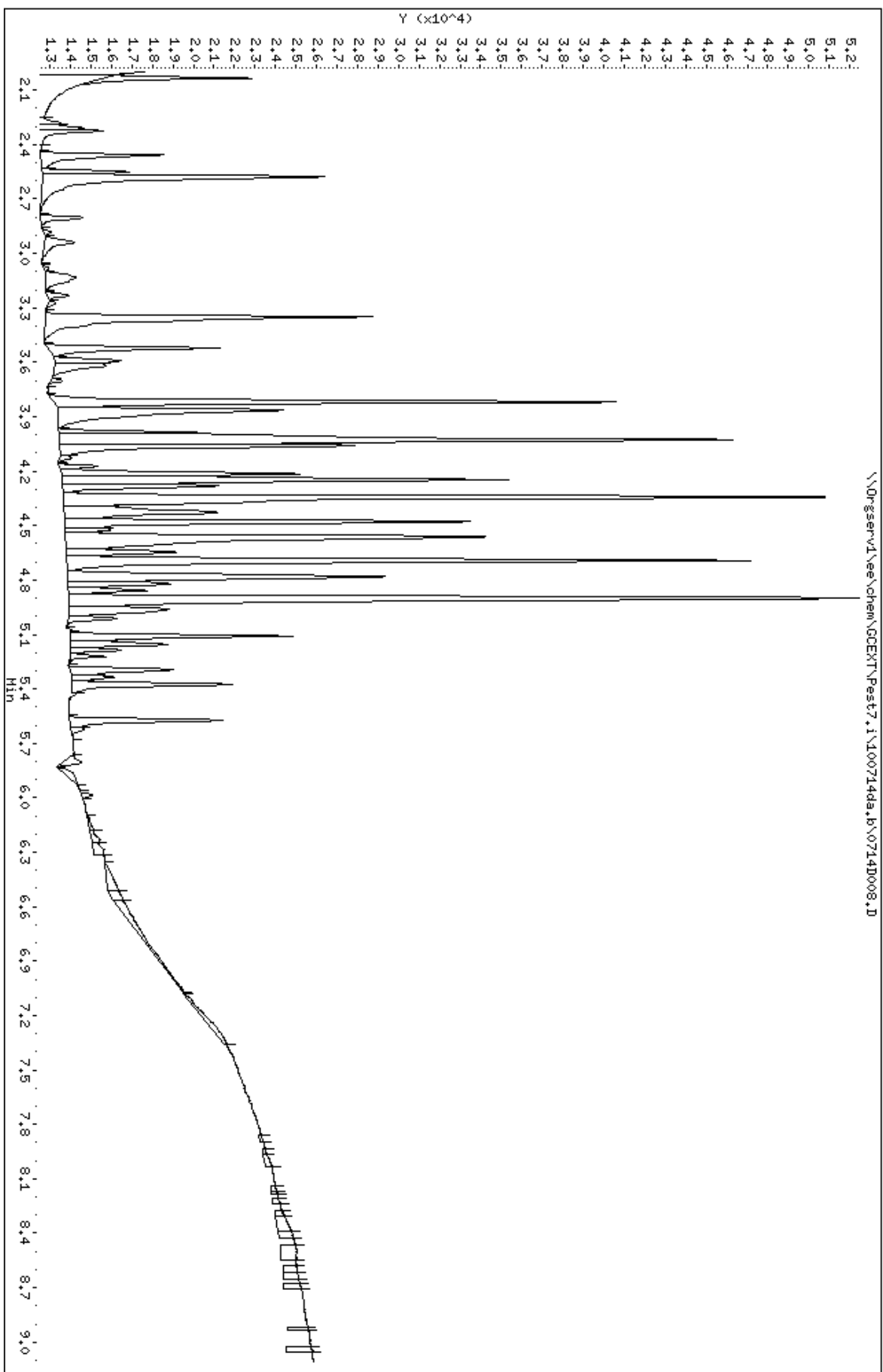
COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	424185	212093	848370	417353	-1.61

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.90	-0.12

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeerv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D008.D
 Date : 14-JUL-2010 12:24
 Client ID:
 Sample Info: 1221/1254 11
 Column phase: Rtx-1701

Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D009.D
Lab Smp Id:
Inj Date : 14-JUL-2010 12:36
Operator : jb Inst ID: Pest7.i
Smp Info : 1221/1254 l2
Misc Info : wg422120,wg421869, ICAL4779
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 14:51 Cal File: 0714D020.D
Als bottle: 9 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.907	1.907	(1.000)	411276	0.25000					

5 Aroclor 1221					CAS #: 11104-28-2				
2.033	2.033	(1.066)	13270	1.00000	0.947	80.00- 120.00	100.00(M)	M4	
2.457	2.457	(1.288)	21187	1.00000	1.08	88.07- 132.10	159.66	M4	
2.550	2.550	(1.337)	10045	1.00000	1.10	53.27- 79.91	75.70	M4	
2.577	2.577	(1.351)	57377	1.00000	1.11	234.34- 351.51	432.38	M4	
Average of Peak Amounts =					1.05925				

10 Aroclor 1254					CAS #: 11097-69-1				
3.817	3.817	(2.001)	73815	1.00000	1.00	80.00- 120.00	100.00		
4.027	4.027	(2.112)	113974	1.00000	0.996	134.65- 201.97	154.40		
4.343	4.343	(2.278)	124834	1.00000	1.06	127.84- 191.76	169.12		
4.693	4.693	(2.461)	101422	1.00000	1.03	95.13- 142.69	137.40		
4.900	4.900	(2.569)	132465	1.00000	1.02	125.22- 187.83	179.46		
Average of Peak Amounts =					1.02120				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D009.D Calibration Time: 11:35
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

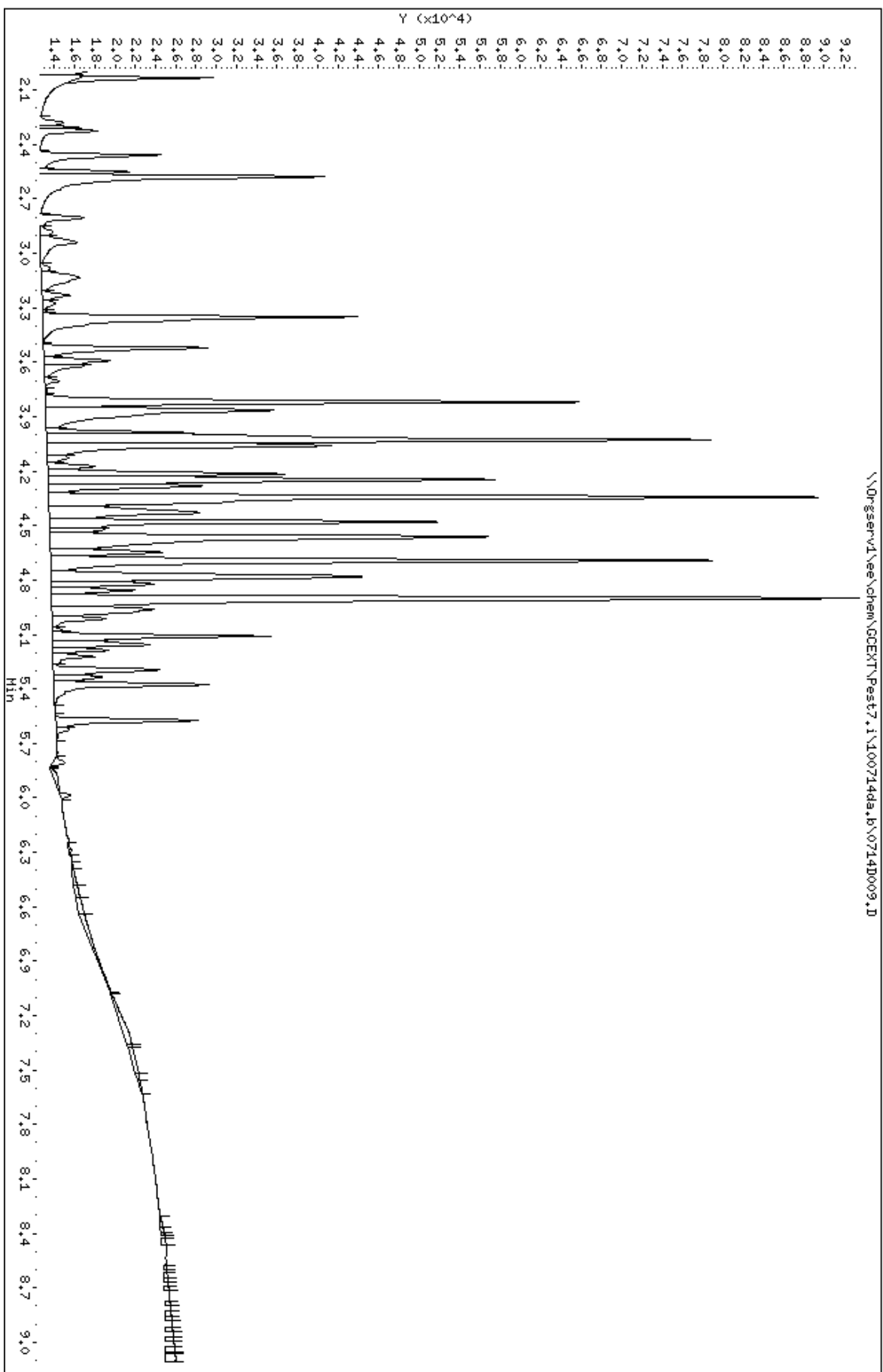
COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	424185	212093	848370	411276	-3.04

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeerv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D009.D
 Date : 14-JUL-2010 12:36
 Client ID:
 Sample Info: 1221/1254 12
 Column phase: Rtx-1701

Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D010.D
Lab Smp Id:
Inj Date : 14-JUL-2010 12:48
Operator : jb Inst ID: Pest7.i
Smp Info : 1221/1254 l3
Misc Info : wg422120,wg421869, ICAL4779
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 15:04 Cal File: 0714D021.D
Als bottle: 10 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.906	1.906	(1.000)	427686	0.25000					

5 Aroclor 1221					CAS #: 11104-28-2				
2.032	2.032	(1.066)	39185	2.50000	2.69	80.00- 120.00	100.00(M)	M4	
2.456	2.456	(1.289)	46262	2.50000	2.28	94.45- 141.67	118.06	M4	
2.549	2.549	(1.338)	21930	2.50000	2.32	44.77- 67.16	55.97	M4	
2.576	2.576	(1.352)	121999	2.50000	2.26	249.07- 373.61	311.34	M4	
Average of Peak Amounts =					2.38750				

10 Aroclor 1254					CAS #: 11097-69-1				
3.819	3.819	(2.004)	182091	2.50000	2.38	80.00- 120.00	100.00		
4.026	4.026	(2.112)	285232	2.50000	2.40	125.31- 187.97	156.64		
4.342	4.342	(2.278)	310154	2.50000	2.54	136.26- 204.39	170.33		
4.692	4.692	(2.462)	247941	2.50000	2.43	108.93- 163.40	136.16		
4.899	4.899	(2.570)	329206	2.50000	2.43	144.63- 216.95	180.79		
Average of Peak Amounts =					2.43600				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D010.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
Calibration Time: 12:48
Level:
Sample Type:

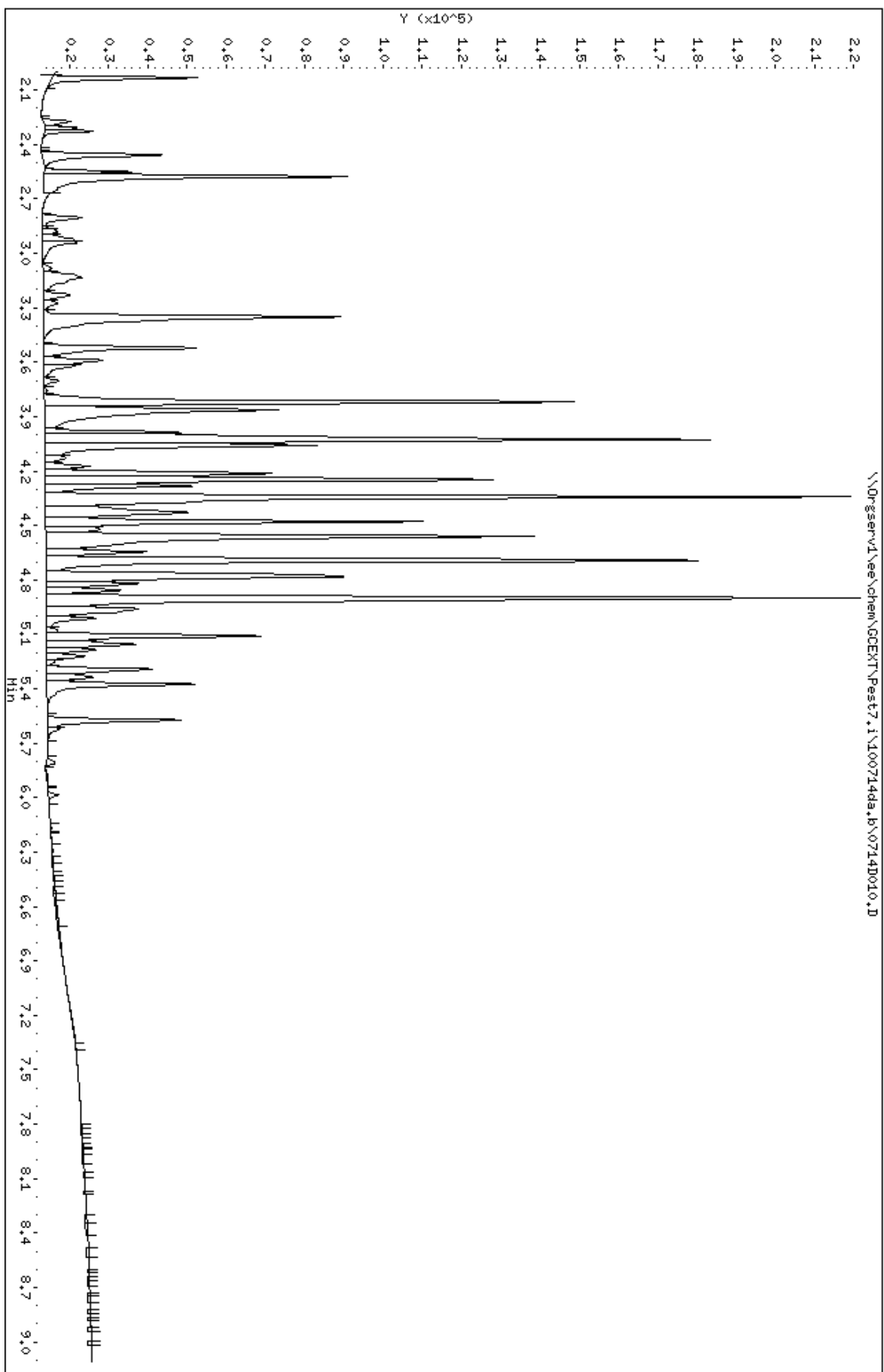
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	427686	213843	855372	427686	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeervl\ee\chem\GCEXT\Pest7.i\100714da.b\0714D010.D
Date : 14-JUL-2010 12:48
Client ID:
Sample Info: 1221/1254 13
Column phase: Rtx-1701

Instrument: Pest7.i
Operator: jlb
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D011.D
Lab Smp Id:
Inj Date : 14-JUL-2010 13:01
Operator : jb Inst ID: Pest7.i
Smp Info : 1221/1254 l4
Misc Info : wg422120,wg421869, ICAL4779
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 15:16 Cal File: 0714D022.D
Als bottle: 11 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.903	1.903	(1.000)	418710	0.25000					

5 Aroclor 1221					CAS #: 11104-28-2				
2.030	2.030	(1.067)	73065	5.00000	5.12	80.00- 120.00	100.00(M)	M2	
2.457	2.457	(1.291)	92153	5.00000	4.63	94.45- 141.67	126.12	M2	
2.547	2.547	(1.338)	44272	5.00000	4.78	44.77- 67.16	60.59	M2	
2.573	2.573	(1.352)	230319	5.00000	4.37	249.07- 373.61	315.22	M2	
Average of Peak Amounts =					4.72500				

10 Aroclor 1254					CAS #: 11097-69-1				
3.817	3.817	(2.005)	357611	5.00000	4.78	80.00- 120.00	100.00		
4.023	4.023	(2.114)	553167	5.00000	4.74	125.31- 187.97	154.68		
4.340	4.340	(2.280)	537585	5.00000	4.49	136.26- 204.39	150.33		
4.690	4.690	(2.464)	477082	5.00000	4.77	108.93- 163.40	133.41		
4.897	4.897	(2.572)	645182	5.00000	4.86	144.63- 216.95	180.41		
Average of Peak Amounts =					4.72800				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D011.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
Calibration Time: 12:48
Level:
Sample Type:

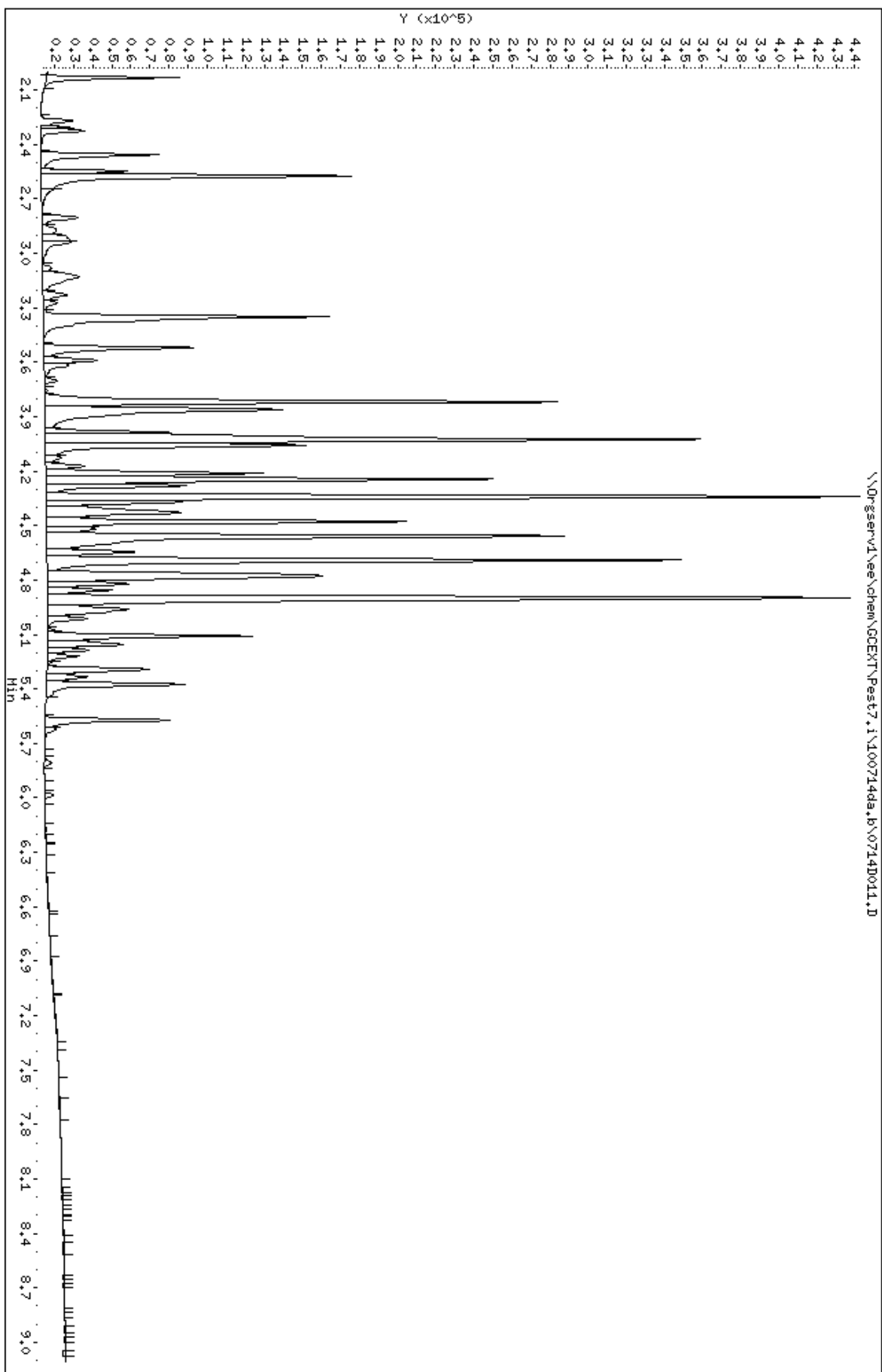
COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	427686	213843	855372	418710	-2.10

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.90	-0.12

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeervl\ee\chem\GCEXT\Pest7.i\100714da.b\0714D011.D
 Date : 14-JUL-2010 13:01
 Client ID:
 Sample Info: 1221/1254 14
 Column phase: Rtx-1701

Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D012.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 13:13
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1221/1254 l5
 Misc Info : wg422120,wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
 Als bottle: 12 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 2154.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.905	1.905	(1.000)	445270	0.25000					

5 Aroclor 1221					CAS #: 11104-28-2				
2.029	2.029	(1.065)	145035	10.0000	9.56	80.00- 120.00	100.00(M)	M2	
2.455	2.455	(1.289)	180545	10.0000	8.53	94.45- 141.67	124.48	M2	
2.545	2.545	(1.336)	88990	10.0000	9.03	44.77- 67.16	61.36	M2	
2.572	2.572	(1.350)	454596	10.0000	8.10	249.07- 373.61	313.44	M2	
Average of Peak Amounts =					8.80500				

10 Aroclor 1254					CAS #: 11097-69-1				
3.815	3.815	(2.002)	729436	10.0000	9.17	80.00- 120.00	100.00		
4.022	4.022	(2.111)	1132231	10.0000	9.13	125.31- 187.97	155.22		
4.339	4.339	(2.277)	1096909	10.0000	8.62	136.26- 204.39	150.38		
4.689	4.689	(2.461)	969539	10.0000	9.11	108.93- 163.40	132.92		
4.895	4.895	(2.569)	1319668	10.0000	9.35	144.63- 216.95	180.92		
Average of Peak Amounts =					9.07600				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D012.D Calibration Time: 12:48
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

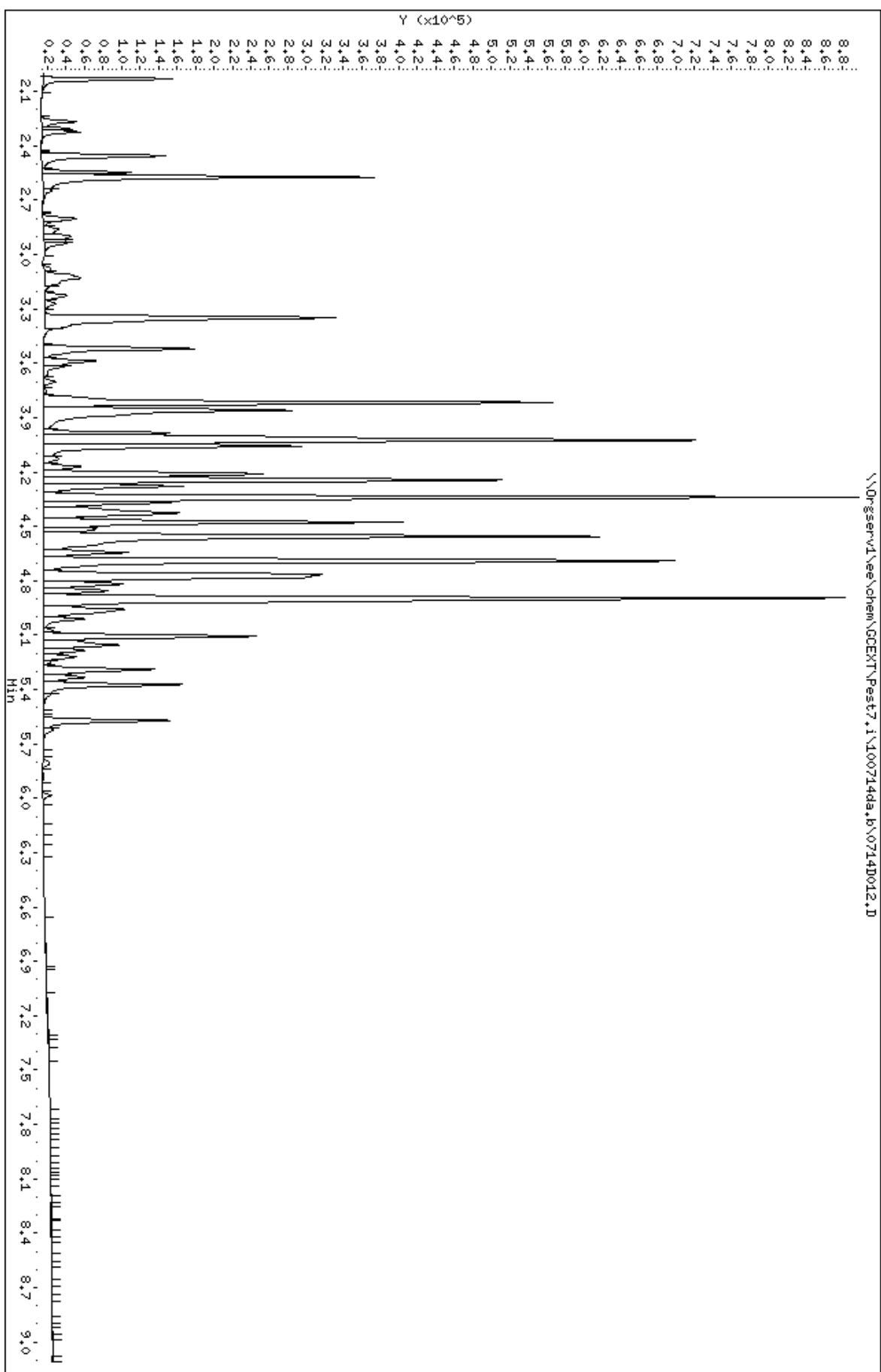
COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	427686	213843	855372	445270	4.11

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\0rgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D012.D
 Date : 14-JUL-2010 13:13
 Client ID:
 Sample Info: 1221/1254 15
 Column phase: Rtx-1701

Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D013.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 13:25
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1248 l6
 Misc Info : wg422120,wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 15:40 Cal File: 0714D024.D
 Als bottle: 13 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

			AMOUNTS						
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	

* 3	1-Bromo-2-Nitrobenzene				CAS #:				
1.906	1.906	(1.000)	468267	0.25000					

9	Aroclor 1248				CAS #: 12672-29-6				
3.350	3.350	(0.000)	6765	0.10000	0.117	80.00- 120.00	100.00(M)		
3.523	3.523	(0.000)	10476	0.10000	0.114	142.59- 213.89	154.86		
3.870	3.870	(0.000)	6060	0.10000	0.0938	104.71- 157.06	89.58		
3.893	3.893	(0.000)	9062	0.10000	0.106	142.50- 213.75	133.95		
4.343	4.343	(0.000)	4486	0.10000	0.101	73.18- 109.78	66.31		
Average of Peak Amounts =					0.10636				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D013.D Calibration Time: 12:48
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

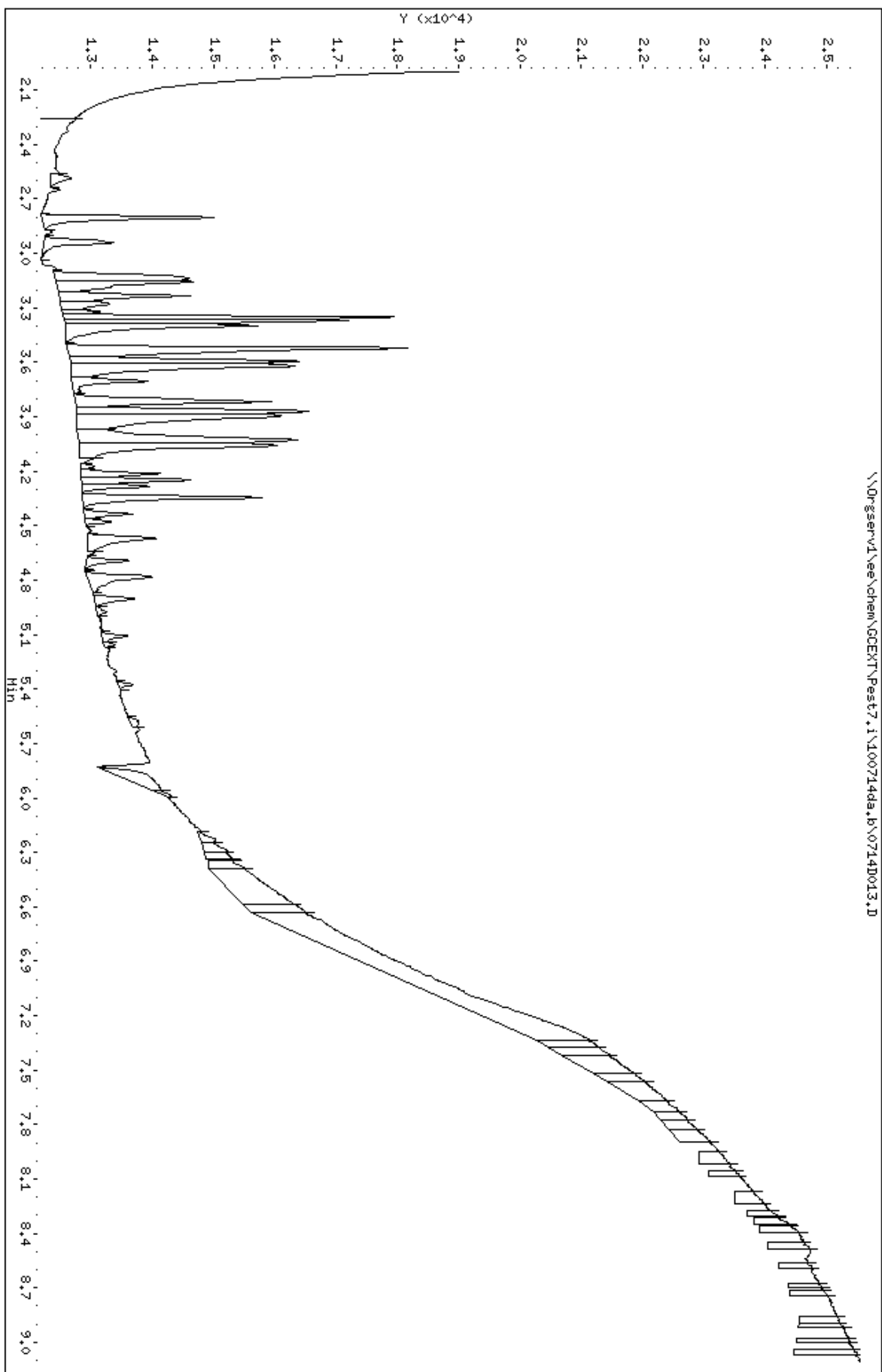
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	427686	213843	855372	468267	9.49

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	0.04

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeerv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D013.D
 Date : 14-JUL-2010 13:25
 Client ID:
 Sample Info: 1248 16
 Column phase: RtX-1701

Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D014.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 13:38
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1248 l1
 Misc Info : wg422120,wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 14:39 Cal File: 0714D019.D
 Als bottle: 14 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.905	1.905	(1.000)	493017	0.25000					

9 Aroclor 1248					CAS #: 12672-29-6				
3.348	3.348	(1.757)	31206	0.50000	0.512	80.00- 120.00	100.00(M)		
3.522	3.522	(1.848)	50222	0.50000	0.517	142.59- 213.89	160.94		
3.865	3.865	(2.029)	31154	0.50000	0.458	104.71- 157.06	99.83		
3.888	3.888	(2.041)	48896	0.50000	0.546	142.50- 213.75	156.69		
4.345	4.345	(2.281)	24918	0.50000	0.535	73.18- 109.78	79.85		
Average of Peak Amounts =					0.51360				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D014.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
 Calibration Time: 12:48
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	427686	213843	855372	493017	15.28

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D014.D

Date : 14-JUL-2010 13:38

Client ID:

Sample Info: 1248 11

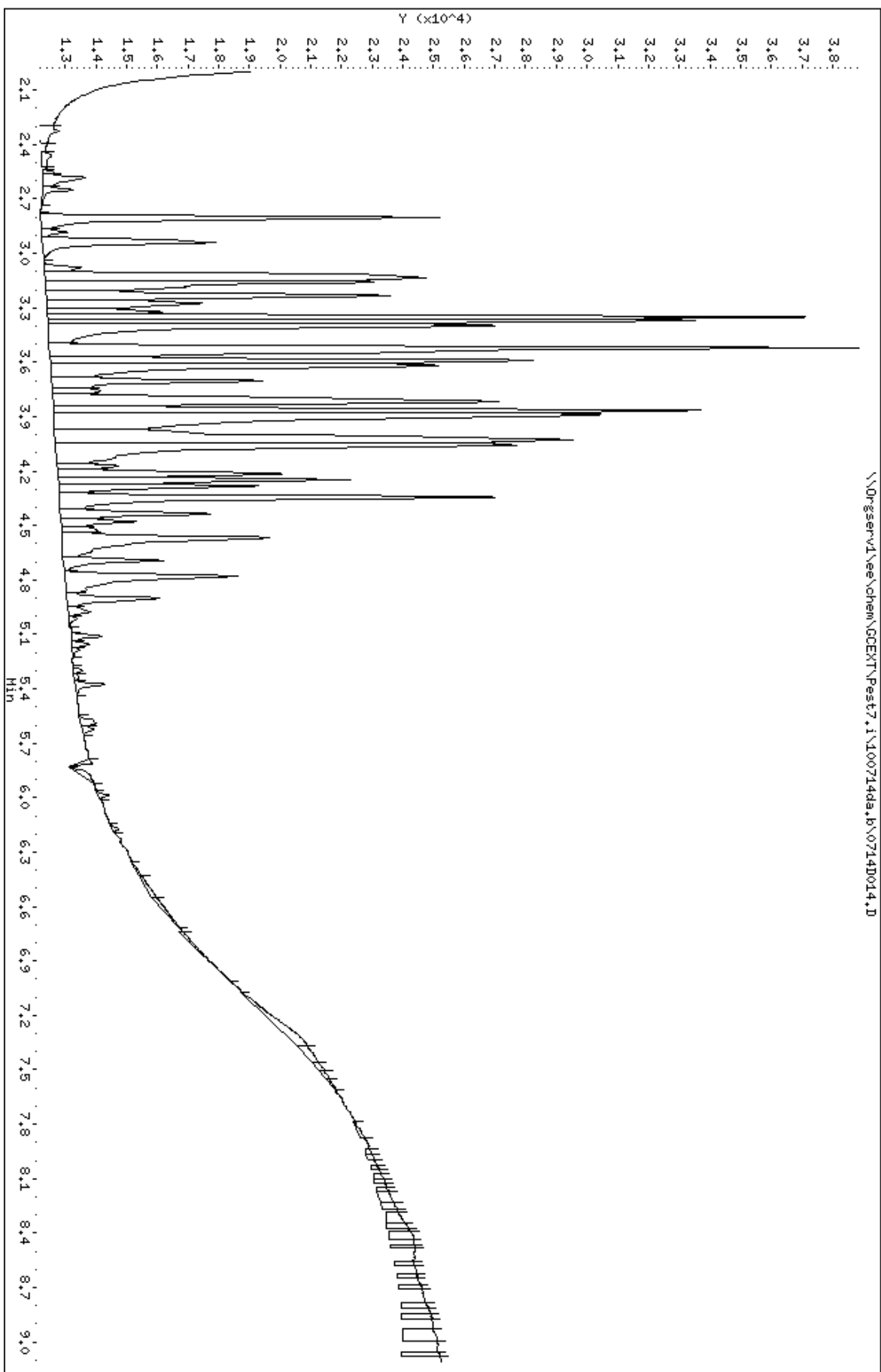
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

Page 3



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D015.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 13:50
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1248 l2
 Misc Info : wg422120,wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 14:51 Cal File: 0714D020.D
 Als bottle: 15 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

			AMOUNTS						
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.905	1.905	(1.000)	463688	0.25000					

9 Aroclor 1248					CAS #: 12672-29-6				
3.348	3.348	(1.757)	55437	1.00000	0.968	80.00- 120.00	100.00(M)		
3.522	3.522	(1.848)	88447	1.00000	0.968	142.59- 213.89	159.55		
3.865	3.865	(2.029)	60648	1.00000	0.948	104.71- 157.06	109.40		
3.888	3.888	(2.041)	83282	1.00000	0.989	142.50- 213.75	150.23		
4.342	4.342	(2.279)	44521	1.00000	1.02	73.18- 109.78	80.31		
Average of Peak Amounts =					0.97860				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D015.D Calibration Time: 12:48
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

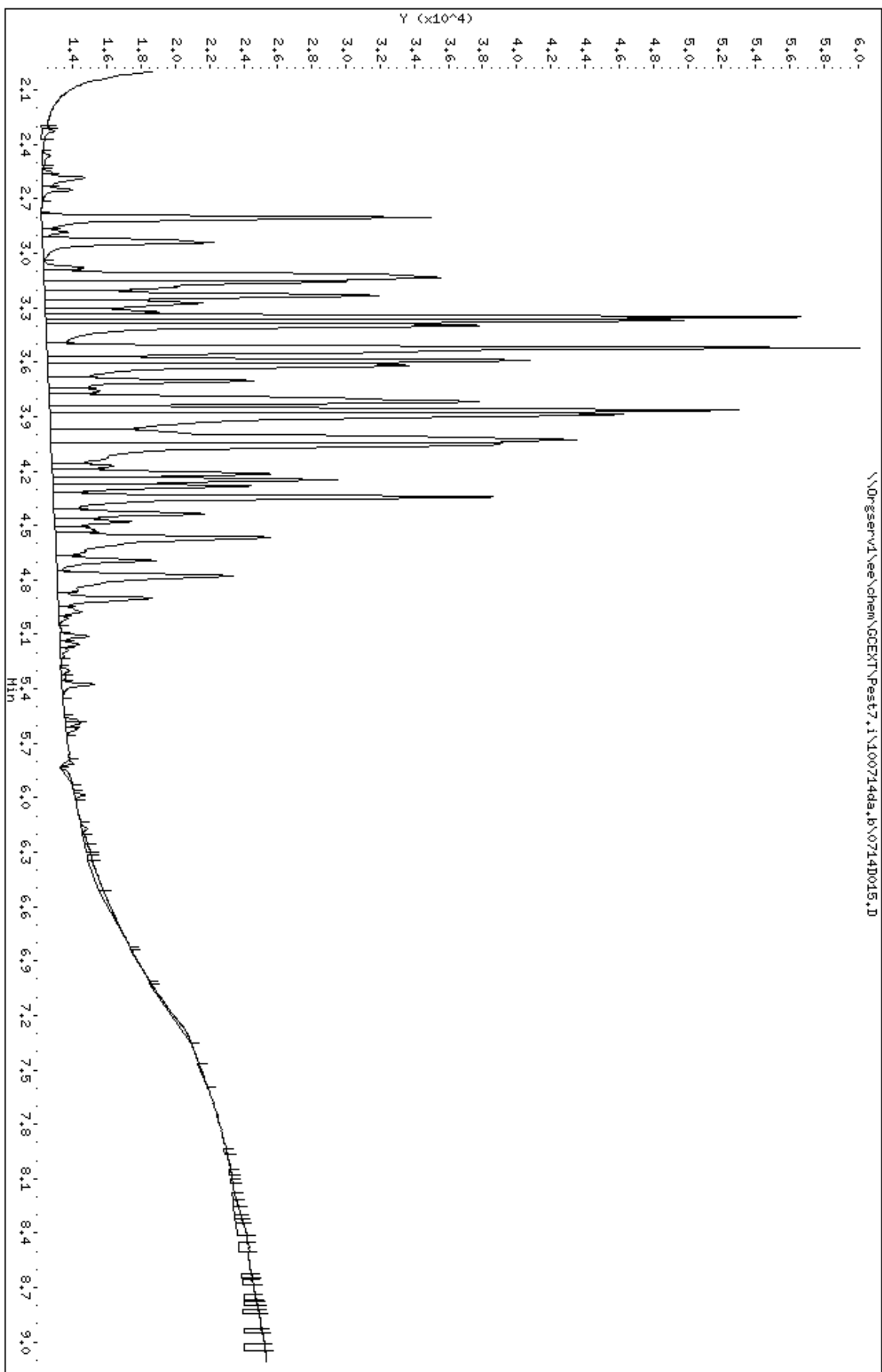
COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	427686	213843	855372	463688	8.42

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D015.D
 Date : 14-JUL-2010 13:50
 Client ID:
 Sample Info: 1248 12
 Column phase: Rtx-1701

Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D016.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 14:02
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1248 l3
 Misc Info : wg422120,wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 15:04 Cal File: 0714D021.D
 Als bottle: 16 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.908	1.908	(1.000)	471960	0.25000					

9 Aroclor 1248					CAS #: 12672-29-6				
3.348	3.348	(1.754)	142065	2.50000	2.44	80.00- 120.00	100.00		
3.518	3.518	(1.844)	220709	2.50000	2.37	124.29- 186.43	155.36		
3.861	3.861	(2.023)	164913	2.50000	2.53	92.87- 139.30	116.08		
3.885	3.885	(2.036)	204779	2.50000	2.39	115.32- 172.97	144.14		
4.341	4.341	(2.275)	109319	2.50000	2.45	61.56- 92.34	76.95		
Average of Peak Amounts =					2.43600				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D016.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
 Calibration Time: 14:02
 Level:
 Sample Type:

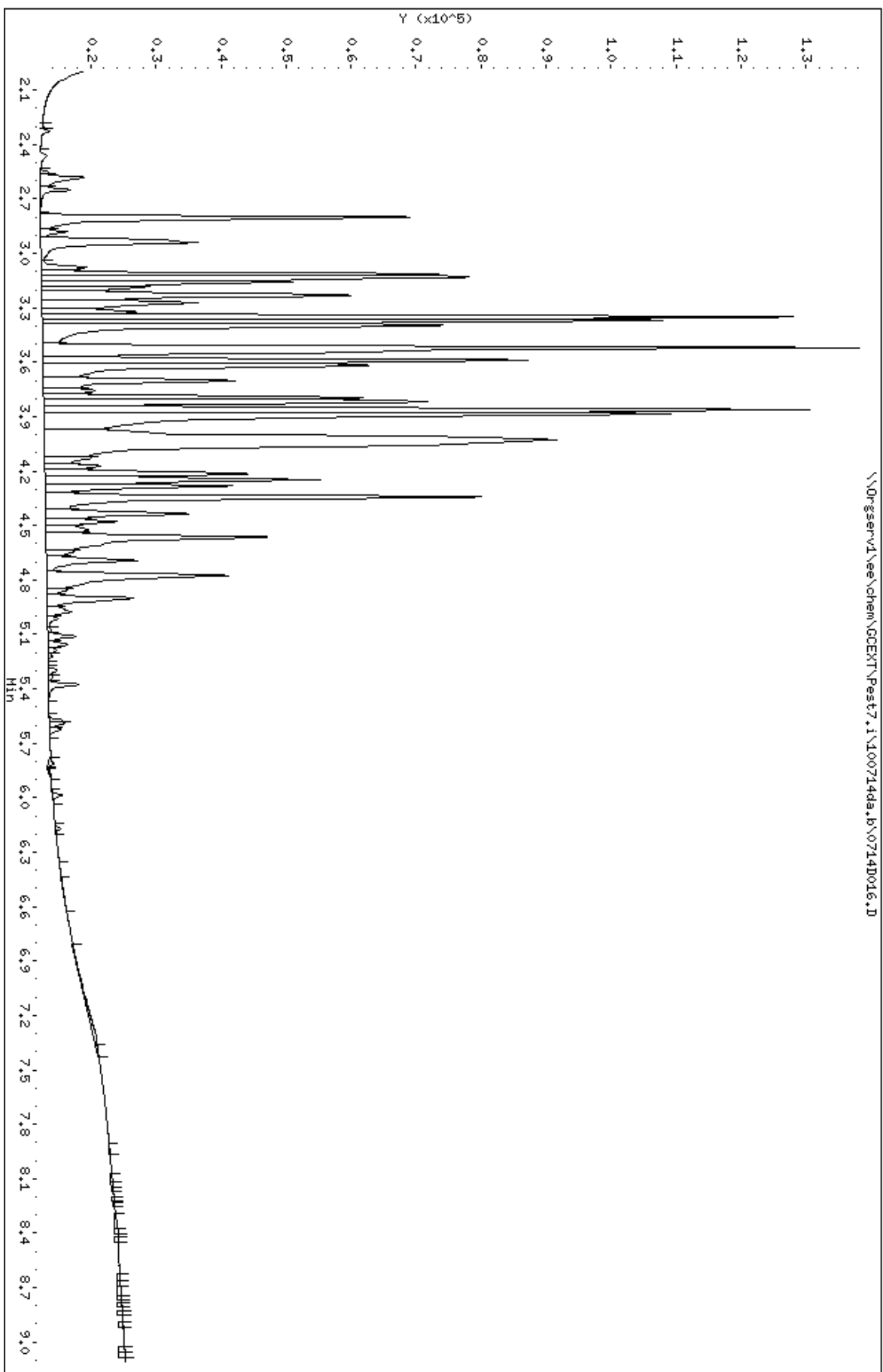
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	471960	235980	943920	471960	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D016.D
Date : 14-JUL-2010 14:02
Client ID:
Sample Info: 1248 13
Column phase: Rtx-1701

Instrument: Pest7.i
Operator: jlb
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D017.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 14:14
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1248 l4
 Misc Info : wg422120,wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 15:16 Cal File: 0714D022.D
 Als bottle: 17 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.905	1.905	(1.000)	460137	0.25000					

9 Aroclor 1248					CAS #: 12672-29-6				
3.348	3.348	(1.758)	257719	5.00000	4.53	80.00- 120.00	100.00		
3.518	3.518	(1.847)	427515	5.00000	4.72	124.29- 186.43	165.88		
3.858	3.858	(2.025)	341571	5.00000	5.38	92.87- 139.30	132.54		
3.881	3.881	(2.038)	389313	5.00000	4.66	115.32- 172.97	151.06		
4.341	4.341	(2.279)	207217	5.00000	4.77	61.56- 92.34	80.40		
Average of Peak Amounts =					4.81200				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D017.D Calibration Time: 14:02
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

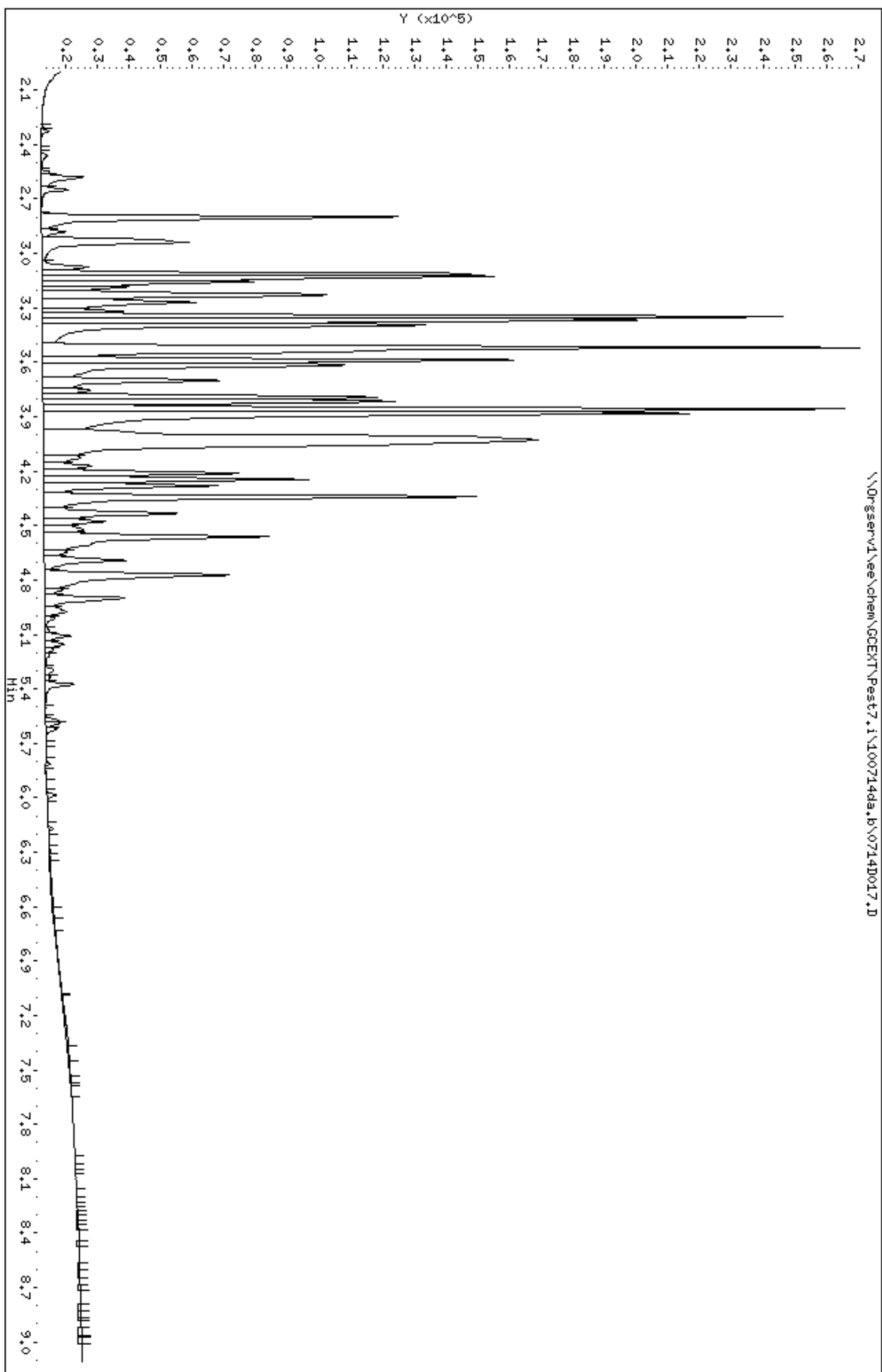
COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	471960	235980	943920	460137	-2.51

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	-0.19

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D017.D
 Date : 14-JUL-2010 14:14
 Client ID:
 Sample Info: 1248 14
 Column phase: Rtx-1701

Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D018.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 14:27
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1248 l5
 Misc Info : wg422120,wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
 Als bottle: 18 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.904	1.904	(1.000)	441003	0.25000					

9 Aroclor 1248					CAS #: 12672-29-6				
3.348	3.348	(1.758)	521632	10.0000	9.57	80.00- 120.00	100.00		
3.518	3.518	(1.847)	842314	10.0000	9.69	124.29- 186.43	161.48		
3.854	3.854	(2.024)	674518	10.0000	11.1	92.87- 139.30	129.31		
3.878	3.878	(2.036)	772637	10.0000	9.65	115.32- 172.97	148.12		
4.341	4.341	(2.279)	400307	10.0000	9.62	61.56- 92.34	76.74		
Average of Peak Amounts =					9.92600				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D018.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
Calibration Time: 14:02
Level:
Sample Type:

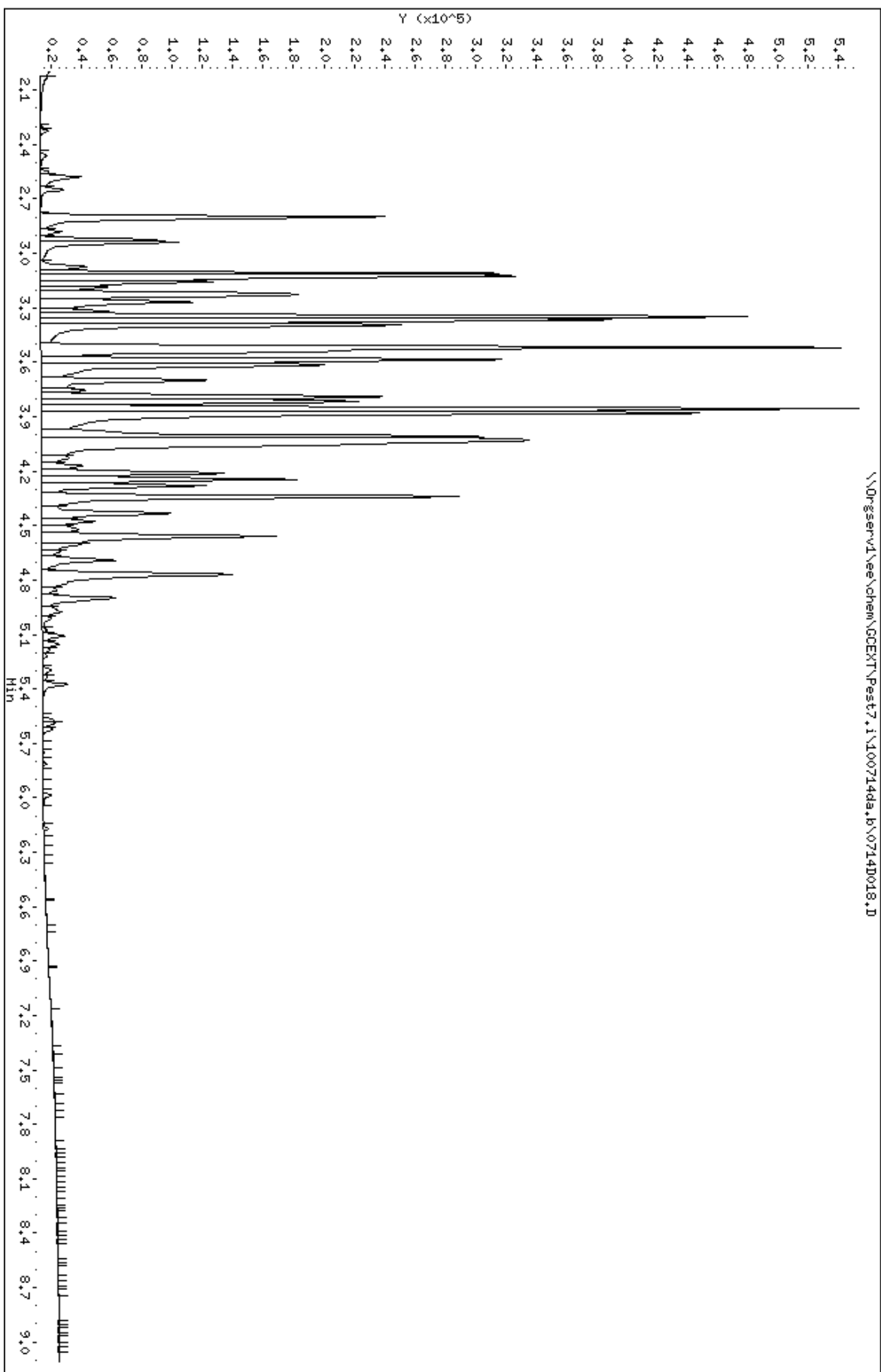
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	471960	235980	943920	441003	-6.56

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.90	-0.19

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D018.D
 Date : 14-JUL-2010 14:27
 Client ID:
 Sample Info: 1248 15
 Column phase: Rtx-1701

Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D019.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 14:39
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1242/1268 l6
 Misc Info : wg422120,wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 15:40 Cal File: 0714D024.D
 Als bottle: 19 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 4268cal.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									REVIEW CODE
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO		
=====	=====	=====	=====	=====	=====	=====	=====		
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.906	1.906	(1.000)	454797	0.25000					

7 Aroclor 1242					CAS #: 53469-21-9				
2.803	2.803	(1.470)	8053	0.10000	0.114	80.00- 120.00	100.00		
3.140	3.140	(1.647)	13878	0.10000	0.102	167.37- 251.06	172.33		
3.233	3.233	(1.696)	5835	0.10000	0.110	65.98- 98.97	72.46		
3.523	3.523	(1.848)	7431	0.10000	0.121	71.64- 107.45	92.28		
3.873	3.873	(2.031)	2772	0.10000	0.0864	40.65- 60.98	34.42		
Average of Peak Amounts =					0.10668				

13 Aroclor 1268					CAS #:				
5.593	5.593	(2.934)	32251	0.10000	0.113	80.00- 120.00	100.00		
5.620	5.620	(2.948)	35946	0.10000	0.114	87.18- 130.77	111.46		
5.750	5.750	(3.016)	23073	0.10000	0.115	55.24- 82.86	71.54		
5.986	5.986	(3.140)	12105	0.10000	0.120	27.25- 40.87	37.53		
6.170	6.170	(3.236)	63663	0.10000	0.115	156.57- 234.86	197.40		
Average of Peak Amounts =					0.11540				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D019.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
 Calibration Time: 14:02
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	471960	235980	943920	454797	-3.64

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	-0.10

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D019.D

Date : 14-JUL-2010 14:39

Client ID:

Sample Info: 1242/1268 16

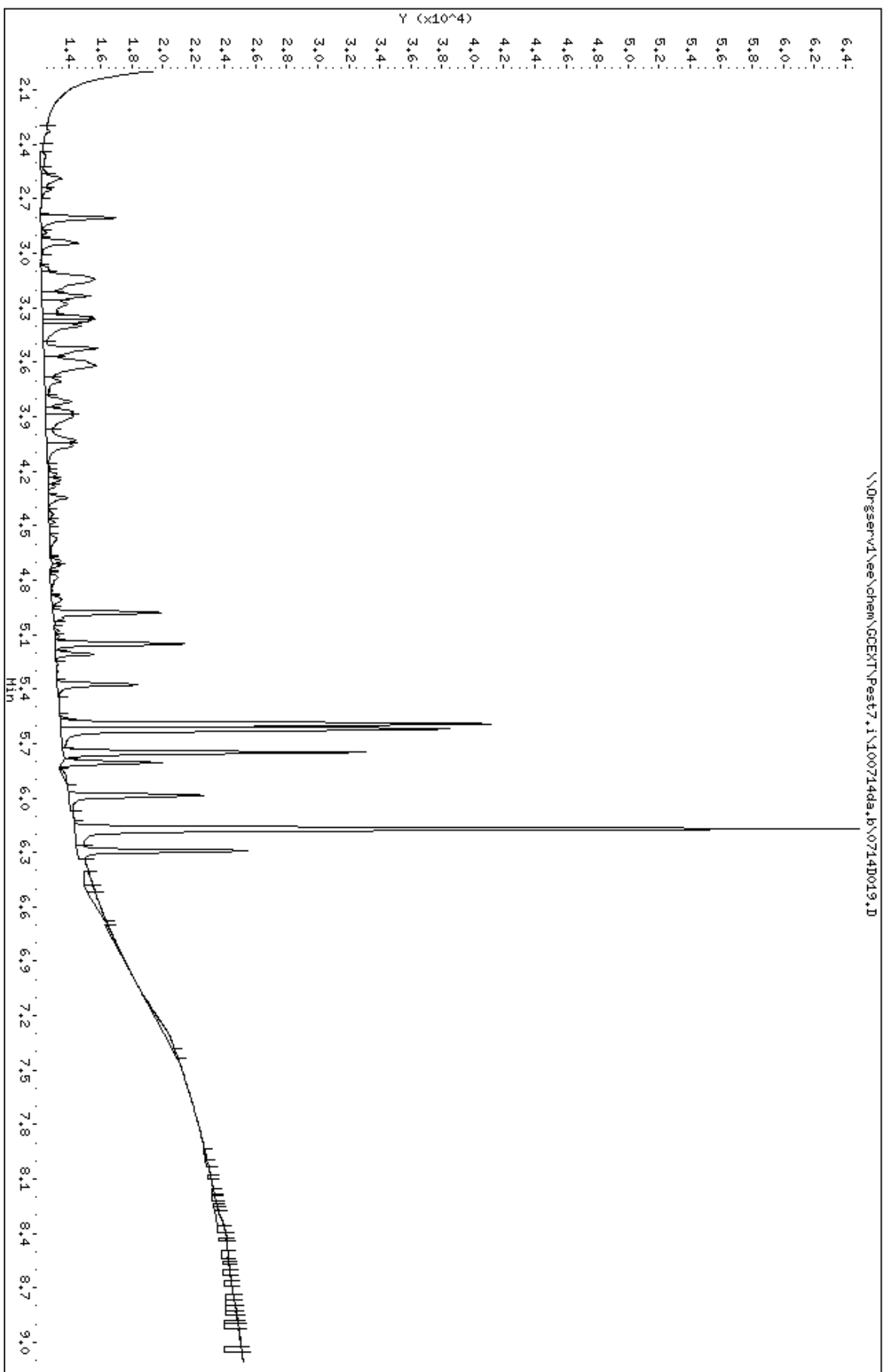
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

Page 3



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D020.D

Lab Smp Id:

Inj Date : 14-JUL-2010 14:51

Operator : jb

Inst ID: Pest7.i

Smp Info : 1242/1268 l1

Misc Info : wg422120,wg421869, ICAL4779

Comment :

Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m

Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD

Cal Date : 14-JUL-2010 14:39

Cal File: 0714D019.D

Als bottle: 20

Calibration Sample, Level: 1

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 4268cal.sub

Target Version: 4.12

Sample Matrix: None

Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW	CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.907	1.907	(1.000)	439178	0.25000					

7 Aroclor 1242					CAS #: 53469-21-9				
2.801	2.801	(1.468)	34221	0.50000	0.503	80.00- 120.00	100.00		
3.134	3.134	(1.643)	62327	0.50000	0.476	167.37- 251.06	182.13		
3.231	3.231	(1.694)	25612	0.50000	0.500	65.98- 98.97	74.84		
3.521	3.521	(1.846)	30064	0.50000	0.507	71.64- 107.45	87.85		
3.867	3.867	(2.027)	14483	0.50000	0.467	40.65- 60.98	42.32		
Average of Peak Amounts =					0.49060				

13 Aroclor 1268					CAS #:				
5.591	5.591	(2.931)	127037	0.50000	0.460	80.00- 120.00	100.00		
5.621	5.621	(2.946)	148909	0.50000	0.491	87.18- 130.77	117.22		
5.747	5.747	(3.013)	92655	0.50000	0.478	55.24- 82.86	72.94		
5.984	5.984	(3.137)	46833	0.50000	0.479	27.25- 40.87	36.87		
6.167	6.167	(3.233)	259019	0.50000	0.484	156.57- 234.86	203.89		
Average of Peak Amounts =					0.47840				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D020.D Calibration Time: 14:02
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

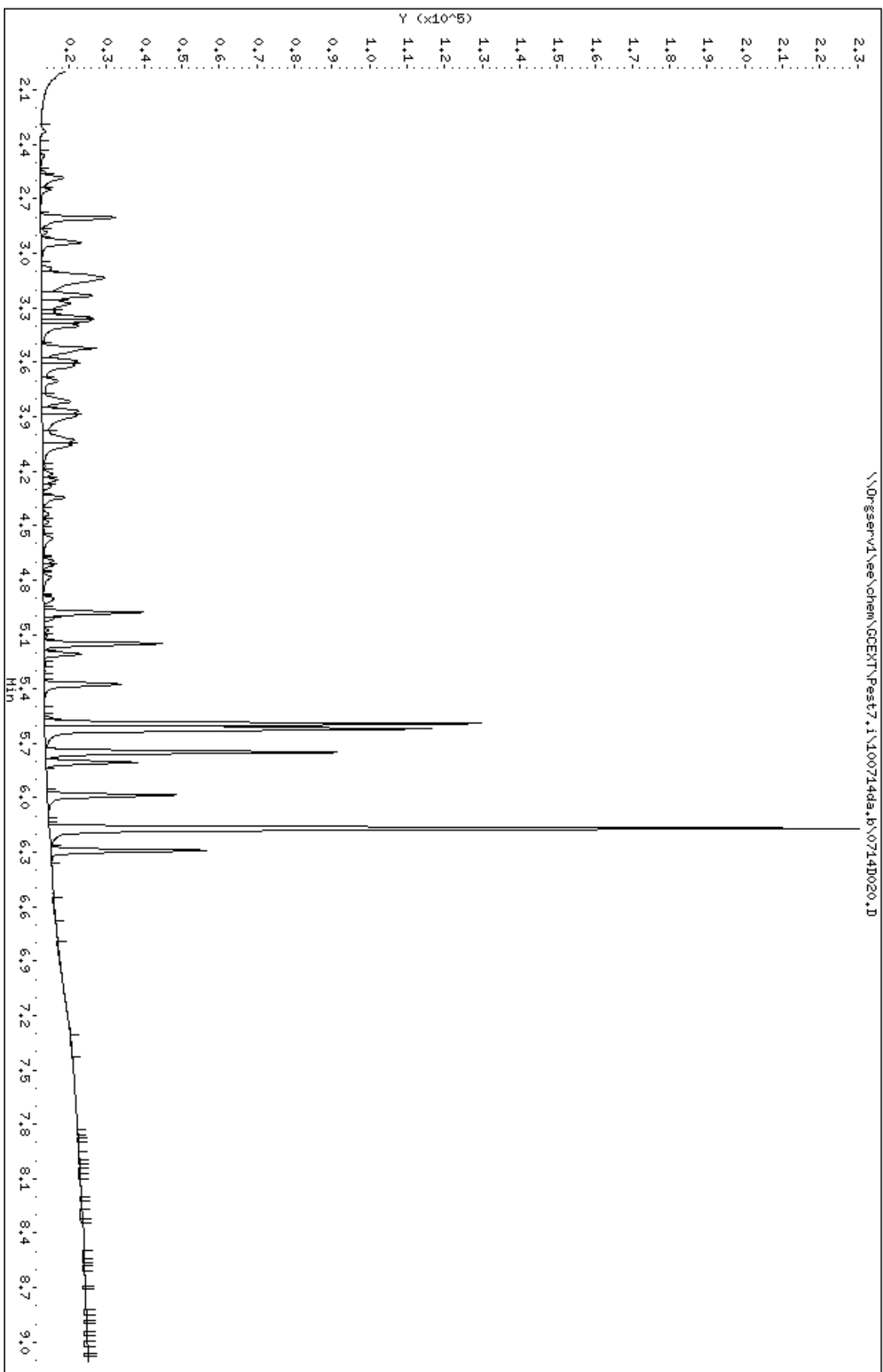
COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	471960	235980	943920	439178	-6.95

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D020.D
 Date : 14-JUL-2010 14:51
 Client ID:
 Sample Info: 1242/1268 11
 Column phase: RtX-1701

Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D021.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 15:04
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1242/1268 l2
 Misc Info : wg422120,wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 14:51 Cal File: 0714D020.D
 Als bottle: 21 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 4268cal.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
				CAL-AMT		ON-COL			
RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene CAS #:									
1.906	1.906	(1.000)	445726	0.25000					

7 Aroclor 1242					CAS #: 53469-21-9				
2.802	2.802	(1.470)	65912	1.00000	0.955	80.00-	120.00	100.00	
3.132	3.132	(1.644)	124824	1.00000	0.940	167.37-	251.06	189.38	
3.229	3.229	(1.694)	49772	1.00000	0.958	65.98-	98.97	75.51	
3.522	3.522	(1.848)	56983	1.00000	0.947	71.64-	107.45	86.45	
3.866	3.866	(2.028)	29621	1.00000	0.942	40.65-	60.98	44.94	
Average of Peak Amounts =					0.94840				

13 Aroclor 1268					CAS #:				
5.592	5.592	(2.934)	271596	1.00000	0.970	80.00-	120.00	100.00	
5.619	5.619	(2.948)	289900	1.00000	0.943	87.18-	130.77	106.74	
5.749	5.749	(3.016)	186610	1.00000	0.948	55.24-	82.86	68.71	
5.986	5.986	(3.141)	93603	1.00000	0.943	27.25-	40.87	34.46	
6.169	6.169	(3.237)	533373	1.00000	0.982	156.57-	234.86	196.38	
Average of Peak Amounts =					0.95720				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D021.D Calibration Time: 14:02
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	471960	235980	943920	445726	-5.56

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	-0.14

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D021.D

Date : 14-JUL-2010 15:04

Client ID:

Sample Info: 1242/1268 12

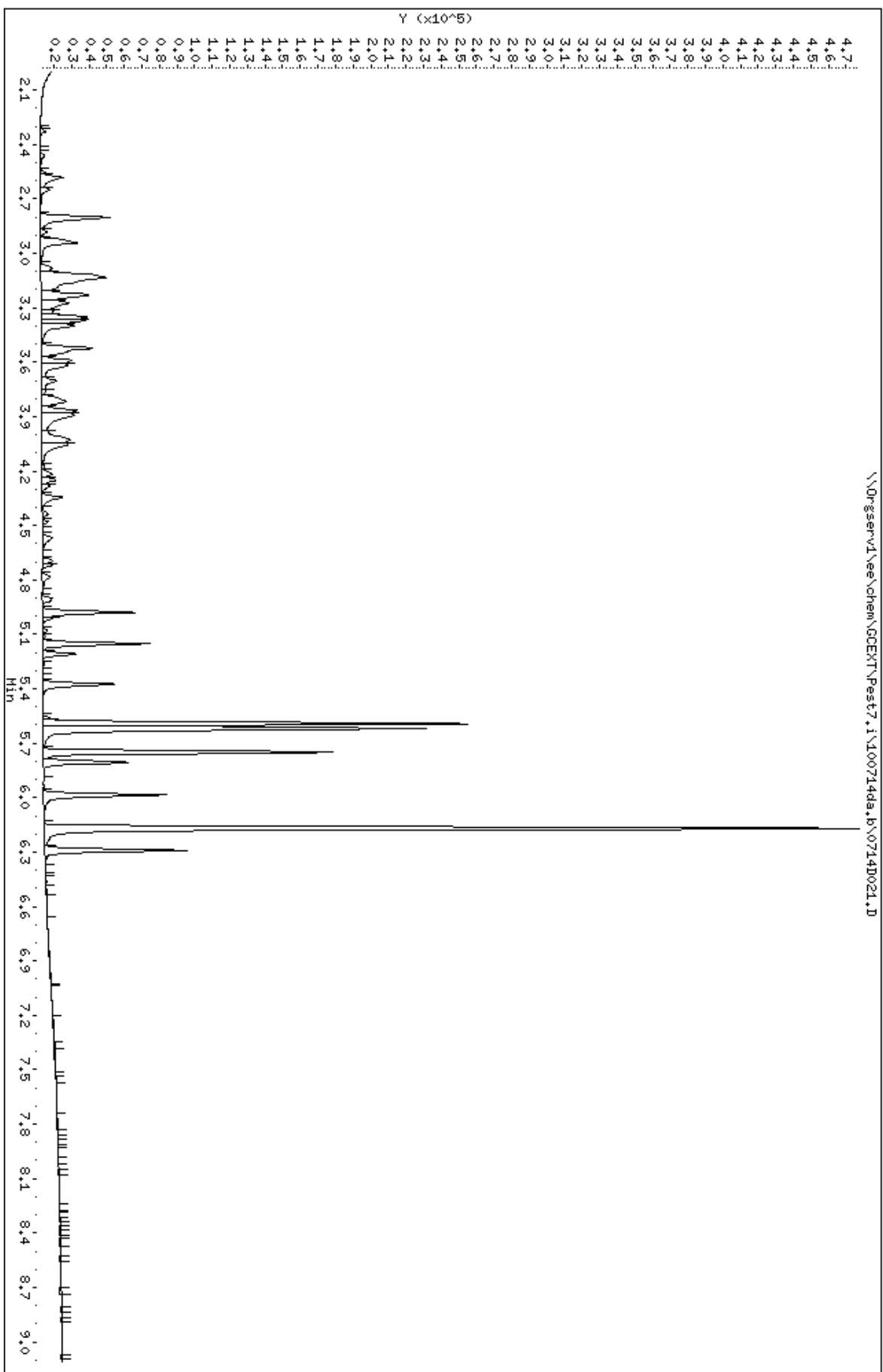
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D022.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 15:16
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1242/1268 l3
 Misc Info : wg422120,wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 15:04 Cal File: 0714D021.D
 Als bottle: 22 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 4268cal.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW	CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.907	1.907	(1.000)	414522	0.25000					

7 Aroclor 1242					CAS #: 53469-21-9				
2.800	2.800	(1.468)	155029	2.50000	2.41	80.00- 120.00	100.00		
3.130	3.130	(1.641)	309070	2.50000	2.50	159.49- 239.24	199.36		
3.227	3.227	(1.692)	116814	2.50000	2.42	60.28- 90.42	75.35		
3.520	3.520	(1.846)	129551	2.50000	2.32	66.85- 100.28	83.57		
3.864	3.864	(2.026)	77970	2.50000	2.66	40.24- 60.35	50.29		
Average of Peak Amounts =					2.46200				

13 Aroclor 1268					CAS #:				
5.590	5.590	(2.931)	662024	2.50000	2.54	80.00- 120.00	100.00		
5.617	5.617	(2.945)	721449	2.50000	2.52	87.18- 130.77	108.98		
5.747	5.747	(3.013)	457148	2.50000	2.50	55.24- 82.86	69.05		
5.984	5.984	(3.137)	225475	2.50000	2.44	27.25- 40.87	34.06		
6.167	6.167	(3.233)	1295696	2.50000	2.56	156.57- 234.86	195.72		
Average of Peak Amounts =					2.51200				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D022.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
Calibration Time: 15:16
Level:
Sample Type:

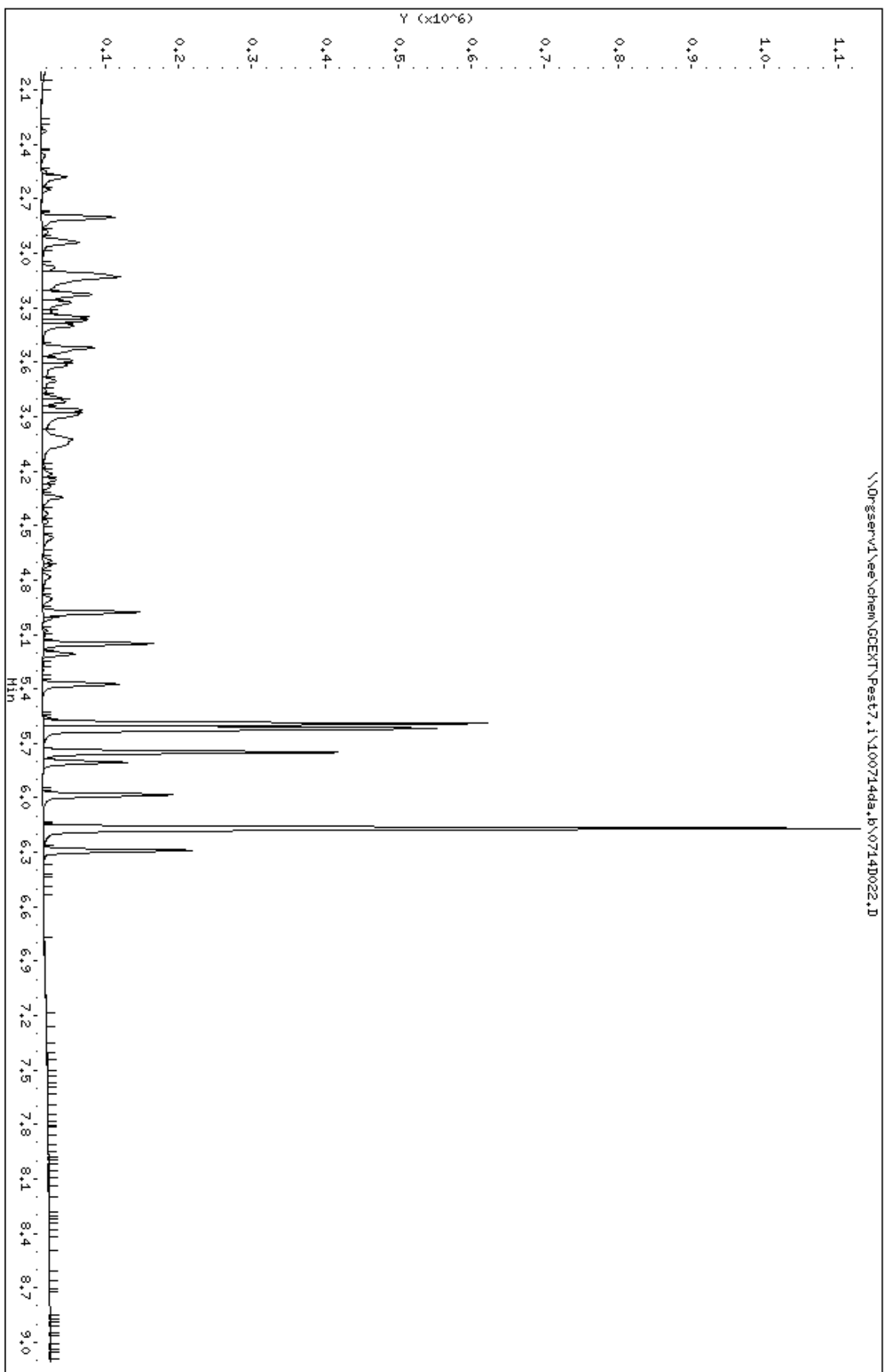
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	414522	207261	829044	414522	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeervl\ee\chem\GCEXT\Pest7.i\100714da.b\0714D022.D
Date : 14-JUL-2010 15:16
Client ID:
Sample Info: 1242/1268 13
Column phase: RtX-1701

Instrument: Pest7.i
Operator: jlb
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D023.D

Lab Smp Id:

Inj Date : 14-JUL-2010 15:28

Operator : jb

Inst ID: Pest7.i

Smp Info : 1242/1268 l4

Misc Info : wg422120,wg421869, ICAL4779

Comment :

Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m

Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD

Cal Date : 14-JUL-2010 15:16

Cal File: 0714D022.D

Als bottle: 23

Calibration Sample, Level: 4

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 4268cal.sub

Target Version: 4.12

Sample Matrix: None

Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW	CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.905	1.905	(1.000)	419732	0.25000					

7 Aroclor 1242					CAS #: 53469-21-9				
2.798	2.798	(1.469)	318123	5.00000	4.89	80.00- 120.00	100.00		
3.125	3.125	(1.640)	663465	5.00000	5.30	159.49- 239.24	208.56		
3.222	3.222	(1.691)	243712	5.00000	4.98	60.28- 90.42	76.61		
3.518	3.518	(1.847)	272646	5.00000	4.81	66.85- 100.28	85.70		
3.862	3.862	(2.027)	159624	5.00000	5.39	40.24- 60.35	50.18		
Average of Peak Amounts =					5.07400				

13 Aroclor 1268					CAS #:				
5.588	5.588	(2.933)	1370994	5.00000	5.20	80.00- 120.00	100.00		
5.618	5.618	(2.949)	1397499	5.00000	4.83	87.18- 130.77	101.93		
5.748	5.748	(3.017)	924901	5.00000	4.99	55.24- 82.86	67.46		
5.982	5.982	(3.139)	454672	5.00000	4.86	27.25- 40.87	33.16		
6.168	6.168	(3.237)	2520065	5.00000	4.92	156.57- 234.86	183.81		
Average of Peak Amounts =					4.96000				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D023.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
 Calibration Time: 15:16
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	414522	207261	829044	419732	1.26

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	-0.11

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D023.D

Date : 14-JUL-2010 15:28

Client ID:

Sample Info: 1242/1268 14

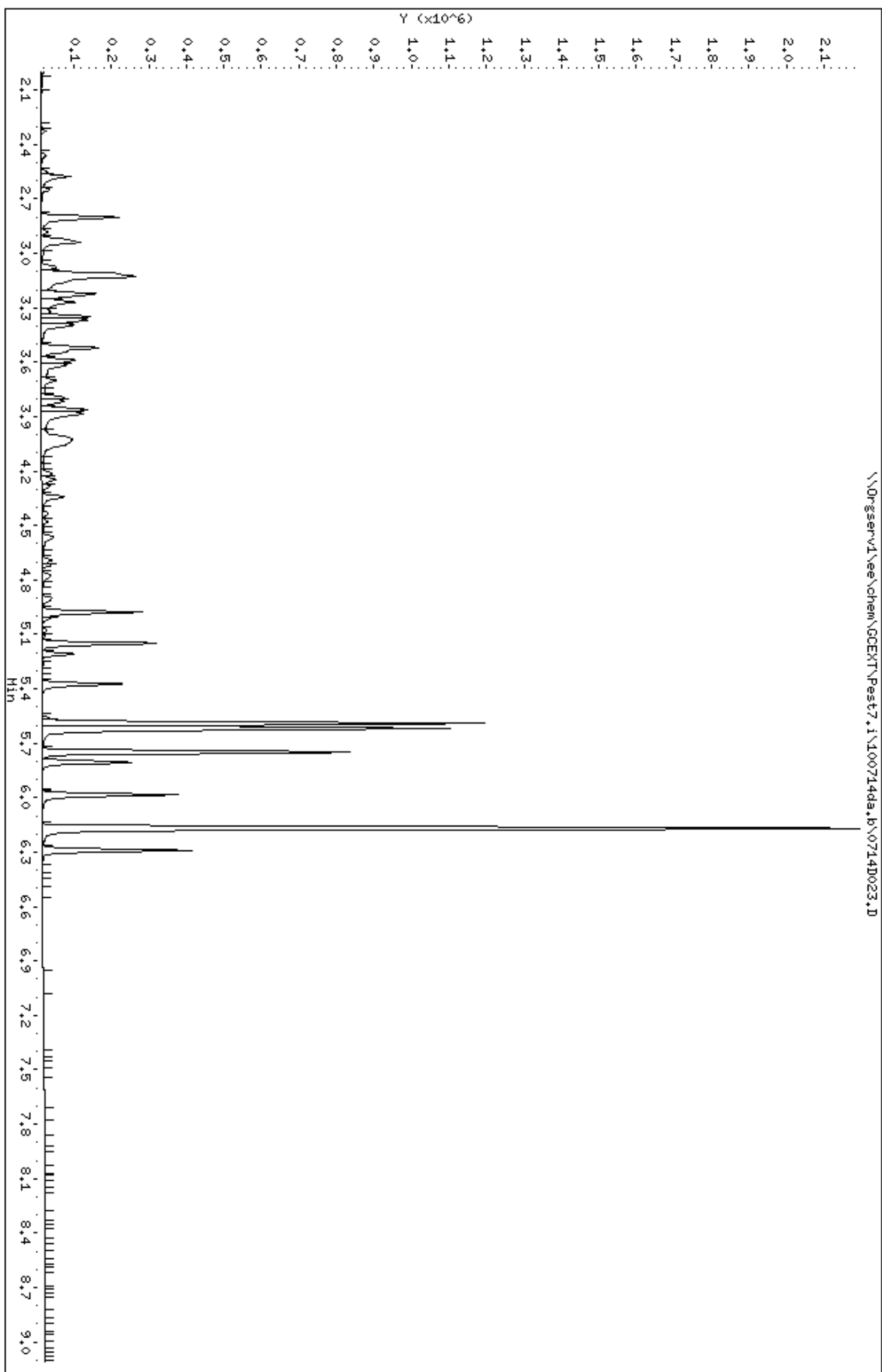
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D024.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 15:40
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1242/1268 l5
 Misc Info : wg422120,wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
 Als bottle: 24 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 4268cal.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW	CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.905	1.905	(1.000)	422161	0.25000					

7 Aroclor 1242					CAS #: 53469-21-9				
2.799	2.799	(1.469)	622277	10.0000	9.52	80.00- 120.00	100.00		
3.122	3.122	(1.638)	1285972	10.0000	10.2	159.49- 239.24	206.66		
3.219	3.219	(1.689)	480132	10.0000	9.76	60.28- 90.42	77.16		
3.519	3.519	(1.846)	534317	10.0000	9.38	66.85- 100.28	85.86		
3.859	3.859	(2.025)	332550	10.0000	11.2	40.24- 60.35	53.44		
Average of Peak Amounts =					10.0120				

13 Aroclor 1268					CAS #:				
5.589	5.589	(2.933)	2444684	10.0000	9.22	80.00- 120.00	100.00		
5.619	5.619	(2.948)	2779016	10.0000	9.54	87.18- 130.77	113.68		
5.749	5.749	(3.017)	1775534	10.0000	9.52	55.24- 82.86	72.63		
5.982	5.982	(3.139)	897326	10.0000	9.54	27.25- 40.87	36.71		
6.169	6.169	(3.237)	4586188	10.0000	8.91	156.57- 234.86	187.60		
Average of Peak Amounts =					9.34600				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D024.D Calibration Time: 15:16
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

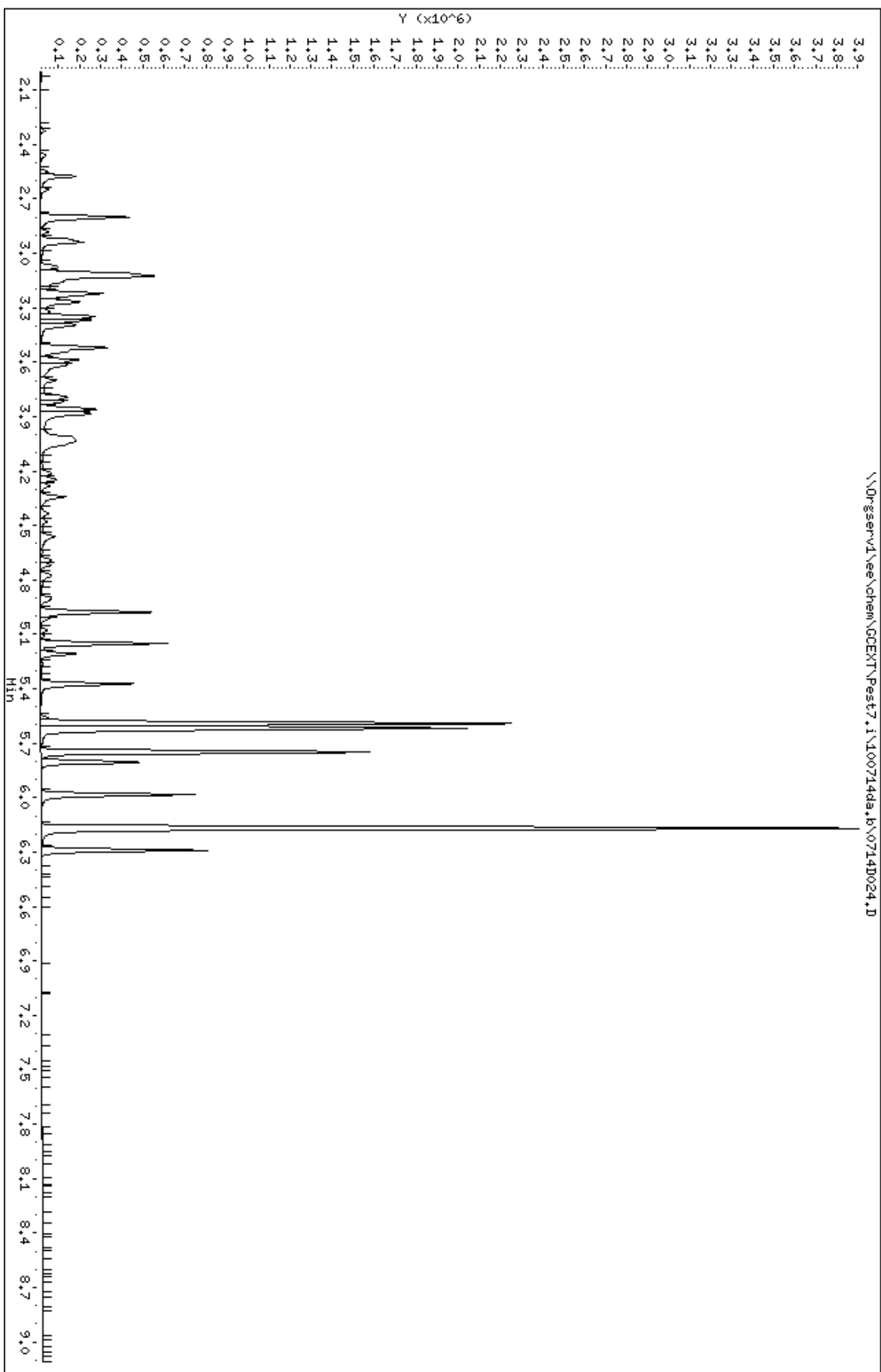
COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	414522	207261	829044	422161	1.84

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	-0.09

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeerv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D024.D
 Date : 14-JUL-2010 15:40
 Client ID:
 Sample Info: 1242/1268 15
 Column phase: Rtx-1701

Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D025.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 15:53
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1262 l4
 Misc Info : wg422120, wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 15:40 Cal File: 0714D024.D
 Als bottle: 25 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1262.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

			AMOUNTS						
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	

* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.907	1.907	(1.000)	480178	0.25000					

12 Aroclor 1262					CAS #:				
4.977	4.977	(2.662)	689798	5.00000	5.00	0.00-	0.00	100.00(M)	
5.154	5.154	(2.758)	628821	5.00000	5.00	0.00-	0.00	91.16	
5.374	5.374	(3.015)	1291140	5.00000	5.00	0.00-	0.00	187.18	
5.590	5.590	(3.156)	597000	5.00000	5.00	0.00-	0.00	86.55	
5.620	5.620	(3.352)	548346	5.00000	5.00	0.00-	0.00	79.49	
Average of Peak Amounts =					5.00000				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D025.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
Calibration Time: 15:16
Level:
Sample Type:

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	414522	207261	829044	480178	15.84

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.1\100714da,b\0714D025.D

Date : 14-JUL-2010 15:53

Client ID:

Sample Info: 1262 14

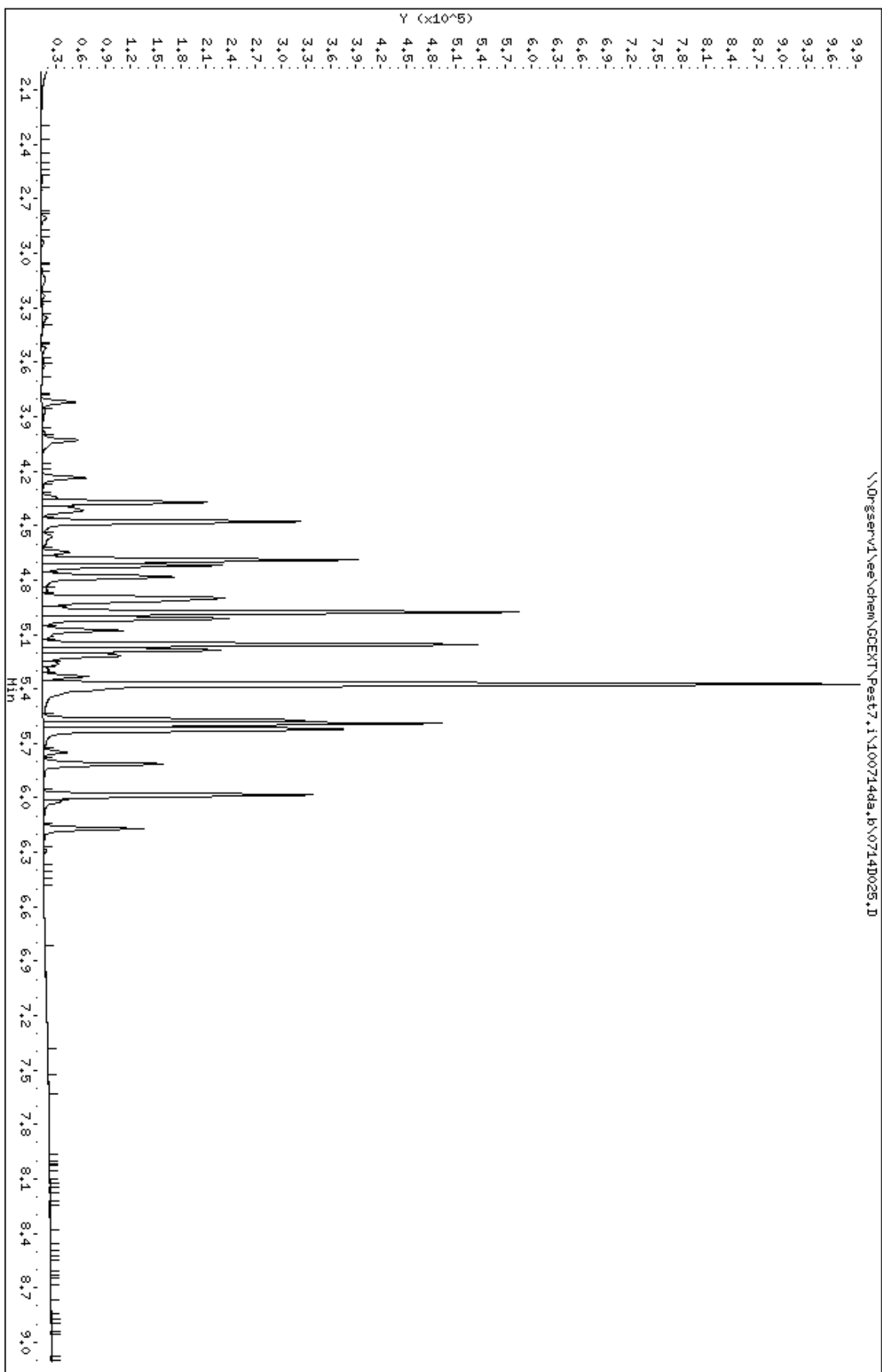
Column phase: Rtx-1701

Instrument: Pest7.1

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D026.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 16:05
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1232 l4
 Misc Info : wg422120,wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
 Als bottle: 26 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1232.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.906	1.906	(1.000)	435240	0.25000					

6 Aroclor 1232					CAS #: 11141-16-5				
2.573	2.573	(1.468)	195884	5.00000	5.00	0.00-	0.00	100.00(M)	
2.800	2.800	(1.614)	185878	5.00000	5.00	0.00-	0.00	94.89	
3.126	3.126	(1.757)	381515	5.00000	5.00	0.00-	0.00	194.77	
3.226	3.226	(1.846)	140373	5.00000	5.00	0.00-	0.00	71.66	
3.520	3.520	(1.991)	147937	5.00000	5.00	0.00-	0.00	75.52	
Average of Peak Amounts =					5.00000				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D026.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
 Calibration Time: 15:16
 Level:
 Sample Type:

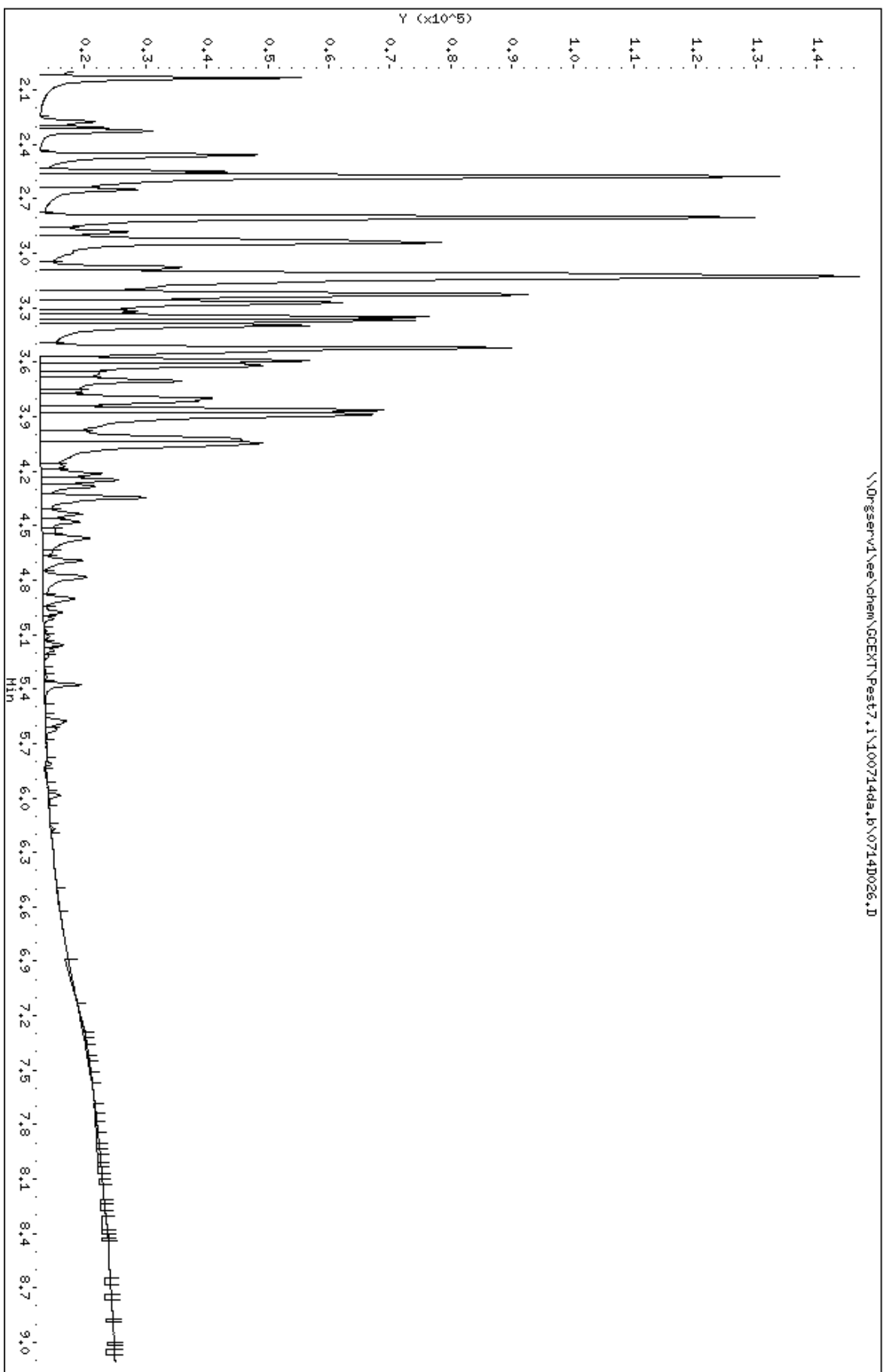
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	414522	207261	829044	435240	5.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D026.D
Date : 14-JUL-2010 16:05
Client ID:
Sample Info: 1232 14
Column phase: Rtx-1701

Instrument: Pest7.i
Operator: jlb
Column diameter: 0.32



Initial Calibration Verification

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest7.i Injection Date: 14-JUL-2010 16:17
 Lab File ID: 0714D027.D Init. Cal. Date(s): 14-JUL-2010 14-JUL-2010
 Analysis Type: Init. Cal. Times: 10:58 16:05
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.26771	2.46977	2.46977	0.100	-8.91040	15.00000	Averaged
2 Decachlorobiphenyl	1.54262	1.03603	1.03603	0.100	32.83968	15.00000	Averaged<-
4 Aroclor 1016(1)	2.50000	2.60974	0.02112	0.100	-4.38966	15.00000	Linear
(2)	2.50000	2.88127	0.05372	0.100	-15.25076	15.00000	Linear<-
(3)	2.50000	2.30074	0.05838	0.100	7.97021	15.00000	Linear
(4)	2.50000	2.90750	0.04183	0.100	-16.29985	15.00000	Linear<-
(5)	2.50000	3.09868	0.02878	0.100	-23.94732	15.00000	Linear<-
11 Aroclor 1260(1)	0.05761	0.06623	0.06623	0.100	-14.97272	15.00000	Averaged
(2)	0.08423	0.10118	0.10118	0.100	-20.12305	15.00000	Averaged<-
(3)	0.05422	0.05433	0.05433	0.100	-0.20591	15.00000	Averaged
(4)	0.12775	0.13254	0.13254	0.100	-3.74460	15.00000	Averaged
(5)	0.05633	0.06281	0.06281	0.100	-11.52159	15.00000	Averaged

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D027.D
Lab Smp Id:
Inj Date : 14-JUL-2010 16:17
Operator : jb Inst ID: Pest7.i
Smp Info : 1016/1260 icv
Misc Info : wg422120,wg421869, ICAL4779
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
Als bottle: 27 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2,4,5,6-Tetrachloro-m-xylene CAS #:									
2.348	2.348	(1.231)	155222	0.04000	0.0436		(M)	M4	

\$ 2 Decachlorobiphenyl CAS #:									
6.292	6.292	(3.296)	260453	0.16000	0.107		(M)	M4	

* 3 1-Bromo-2-Nitrobenzene CAS #:									
1.908	1.908	(1.000)	392805	0.25000					

4 Aroclor 1016 CAS #: 12674-11-2									
2.578	2.578	(1.388)	82945	2.50000	2.61	80.00- 120.00	100.00(M)	M4	
2.802	2.802	(1.468)	211019	2.50000	2.88	203.53- 305.29	254.41	M4	
3.128	3.128	(1.639)	229300	2.50000	2.30	221.16- 331.74	276.45	M4	
3.225	3.225	(1.690)	164329	2.50000	2.91	158.49- 237.74	198.12	M4	
3.272	3.272	(1.714)	113041	2.50000	3.10	109.03- 163.54	136.28	M4	
Average of Peak Amounts =					2.76000				

11 Aroclor 1260 CAS #: 11096-82-5									
4.478	4.478	(2.346)	260165	2.50000	2.87	80.00- 120.00	100.00(M)	M4	
4.688	4.688	(2.472)	397433	2.50000	3.00	122.21- 183.31	152.76	M4	
5.155	5.155	(2.717)	213430	2.50000	2.50	65.63- 98.44	82.04	M4	
5.375	5.375	(2.816)	520615	2.50000	2.59	160.09- 240.13	200.11	M4	
5.572	5.572	(2.919)	246740	2.50000	2.79	75.87- 113.81	94.84	M4	
Average of Peak Amounts =					2.75000				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D027.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
 Calibration Time: 15:16
 Level:
 Sample Type:

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	414522	207261	829044	392805	-5.24

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	0.06

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D027.D

Date : 14-JUL-2010 16:17

Client ID:

Sample Info: 1016/1260 icv

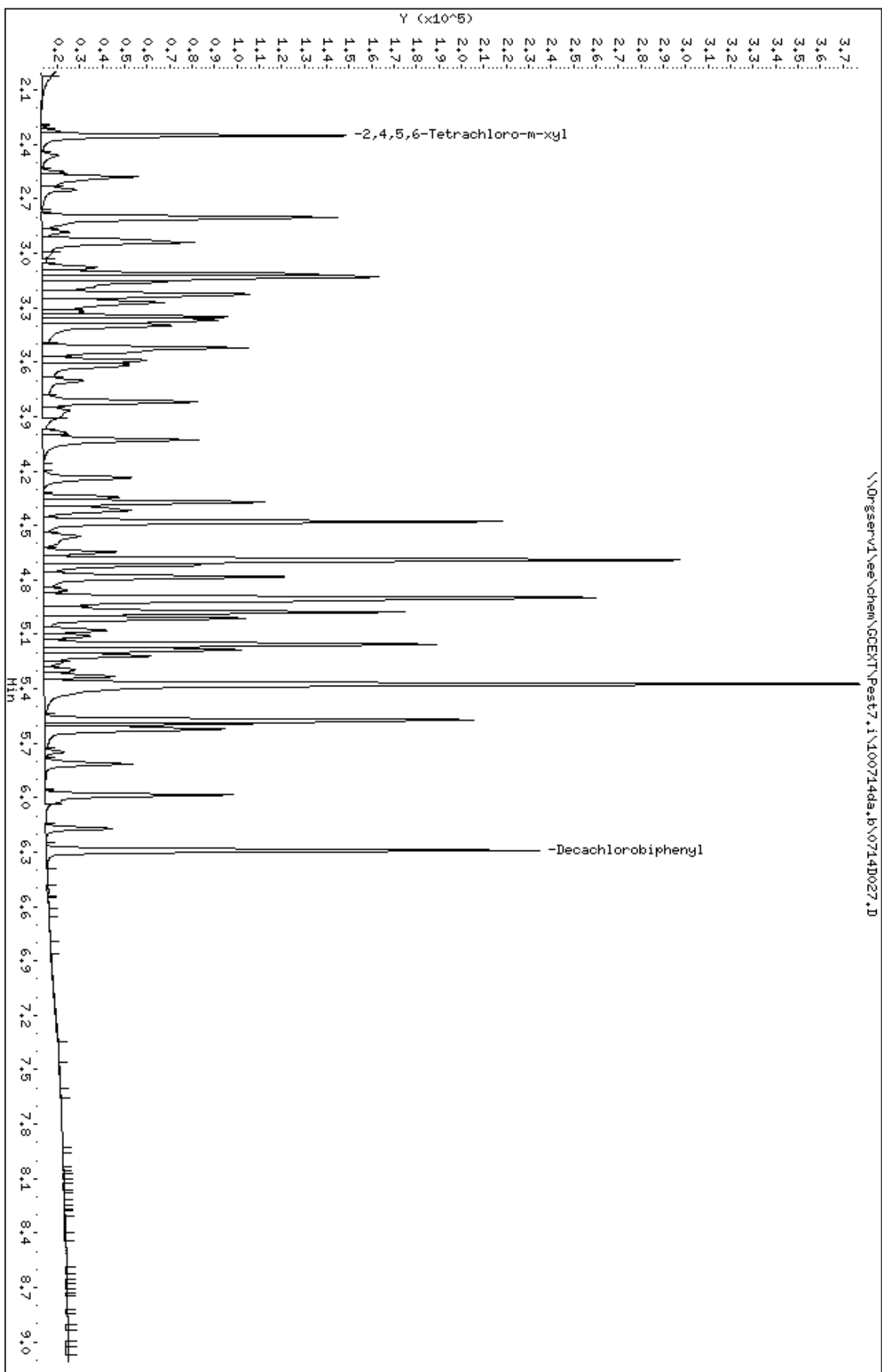
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest7.i Injection Date: 14-JUL-2010 16:42
 Lab File ID: 0714D029.D Init. Cal. Date(s): 14-JUL-2010 14-JUL-2010
 Analysis Type: Init. Cal. Times: 10:58 16:05
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.26771	2.22098	2.22098	0.100	2.06067	15.00000	Averaged
2 Decachlorobiphenyl	1.54262	0.89625	0.89625	0.100	41.90079	15.00000	Averaged
9 Aroclor 1248(1)	0.03089	0.02699	0.02699	0.100	12.63395	15.00000	Averaged
(2)	0.04925	0.04810	0.04810	0.100	2.33991	15.00000	Averaged
(3)	0.03449	0.03532	0.03532	0.100	-2.40597	15.00000	Averaged
(4)	0.04539	0.04807	0.04807	0.100	-5.89049	15.00000	Averaged
(5)	0.02360	0.02469	0.02469	0.100	-4.60707	15.00000	Averaged

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D029.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 16:42
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1248 icv
 Misc Info : wg422120,wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
 Als bottle: 29 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248+.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	

\$ 1	2,4,5,6-Tetrachloro-m-xylene				CAS #:				
2.351	2.351	(1.232)	151896	0.04000	0.0392				

\$ 2	Decachlorobiphenyl				CAS #:				
6.288	6.288	(3.295)	245184	0.16000	0.0930				

* 3	1-Bromo-2-Nitrobenzene				CAS #:				
1.908	1.908	(1.000)	427447	0.25000					

9	Aroclor 1248				CAS #: 12672-29-6				
3.348	3.348	(1.754)	115351	2.50000	2.18	80.00-	120.00	100.00	
3.518	3.518	(1.844)	205605	2.50000	2.44	142.59-	213.89	178.24	
3.861	3.861	(2.023)	150976	2.50000	2.56	104.71-	157.06	130.88	
3.885	3.885	(2.036)	205465	2.50000	2.65	142.50-	213.75	178.12	
4.341	4.341	(2.275)	105523	2.50000	2.62	73.18-	109.78	91.48	
Average of Peak Amounts =					2.49000				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D029.D Calibration Time: 16:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1-Bromo-2-Nitrobe	392805	196403	785610	427447	8.82

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.91	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D029.D

Date : 14-JUL-2010 16:42

Client ID:

Sample Info: 1248 icv

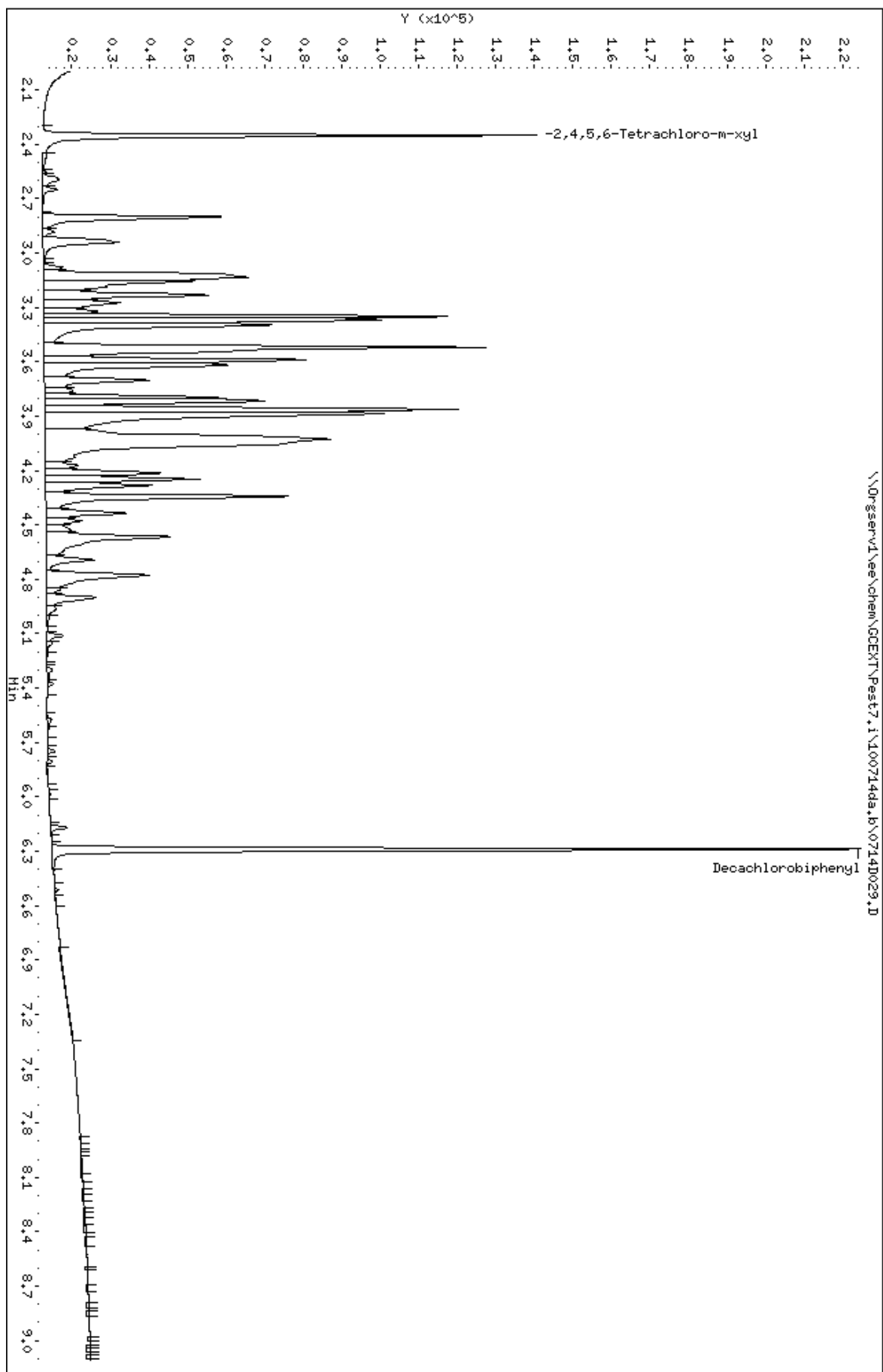
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest7.i Injection Date: 15-JUL-2010 10:52
 Lab File ID: 0714D031.D Init. Cal. Date(s): 14-JUL-2010 14-JUL-2010
 Analysis Type: Init. Cal. Times: 10:58 16:05
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.26771	2.38077	2.38077	0.100	-4.98587	15.00000	Averaged
2 Decachlorobiphenyl	1.54262	0.91449	0.91449	0.100	40.71833	15.00000	Averaged<-
5 Aroclor 1221(1)	0.00852	0.01093	0.01093	0.100	-28.36485	15.00000	Averaged<-
(2)	0.01188	0.01204	0.01204	0.100	-1.30642	15.00000	Averaged
(3)	0.00553	0.00728	0.00728	0.100	-31.66312	15.00000	Averaged<-
(4)	0.03149	0.03203	0.03203	0.100	-1.71694	15.00000	Averaged
10 Aroclor 1254(1)	0.04466	0.03851	0.03851	0.100	13.76661	15.00000	Averaged
(2)	0.06959	0.06482	0.06482	0.100	6.85901	15.00000	Averaged
(3)	0.07144	0.06154	0.06154	0.100	13.85117	15.00000	Averaged
(4)	0.05974	0.04580	0.04580	0.100	23.33914	15.00000	Averaged<-
(5)	0.07928	0.06028	0.06028	0.100	23.95929	15.00000	Averaged<-

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D031.D
Lab Smp Id:
Inj Date : 15-JUL-2010 10:52
Operator : jb Inst ID: Pest7.i
Smp Info : +1221/1254 icv
Misc Info : wg422120,wg421869, ICAL4779
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
Als bottle: 31 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1 2,4,5,6-Tetrachloro-m-xylene CAS #:									
2.371	2.371	(1.236)	158212	0.04000	0.0420			(M)	

\$ 2 Decachlorobiphenyl CAS #:									
6.328	6.328	(3.299)	243087	0.16000	0.0948			(M)	

* 3 1-Bromo-2-Nitrobenzene CAS #:									
1.918	1.918	(1.000)	415338	0.25000				(M)	

5 Aroclor 1221					CAS #: 11104-28-2				
2.048	2.048	(1.068)	45413	2.50000	3.21	80.00- 120.00	100.00(M)	M1	
2.475	2.475	(1.290)	49992	2.50000	2.53	88.07- 132.10	110.08	M1	
2.568	2.568	(1.339)	30241	2.50000	3.29	53.27- 79.91	66.59	M1	
2.595	2.595	(1.353)	133025	2.50000	2.54	234.34- 351.51	292.92	M1	
Average of Peak Amounts =					2.89250				

10 Aroclor 1254					CAS #: 11097-69-1				
3.845	3.845	(2.004)	159959	2.50000	2.16	80.00- 120.00	100.00(M)	M4	
4.051	4.051	(2.112)	269222	2.50000	2.33	134.65- 201.97	168.31	M4	
4.365	4.365	(2.275)	255615	2.50000	2.15	127.84- 191.76	159.80	M4	
4.711	4.711	(2.456)	190209	2.50000	1.92	95.13- 142.69	118.91	M4	
4.918	4.918	(2.564)	250372	2.50000	1.90	125.22- 187.83	156.52	M4	
Average of Peak Amounts =					2.09200				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D031.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 14-JUL-2010
Calibration Time: 16:42
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	427447	213724	854894	415338	-2.83

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.92	0.51

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D031.D

Date : 15-JUL-2010 10:52

Client ID:

Sample Info: +1221/1254 icv

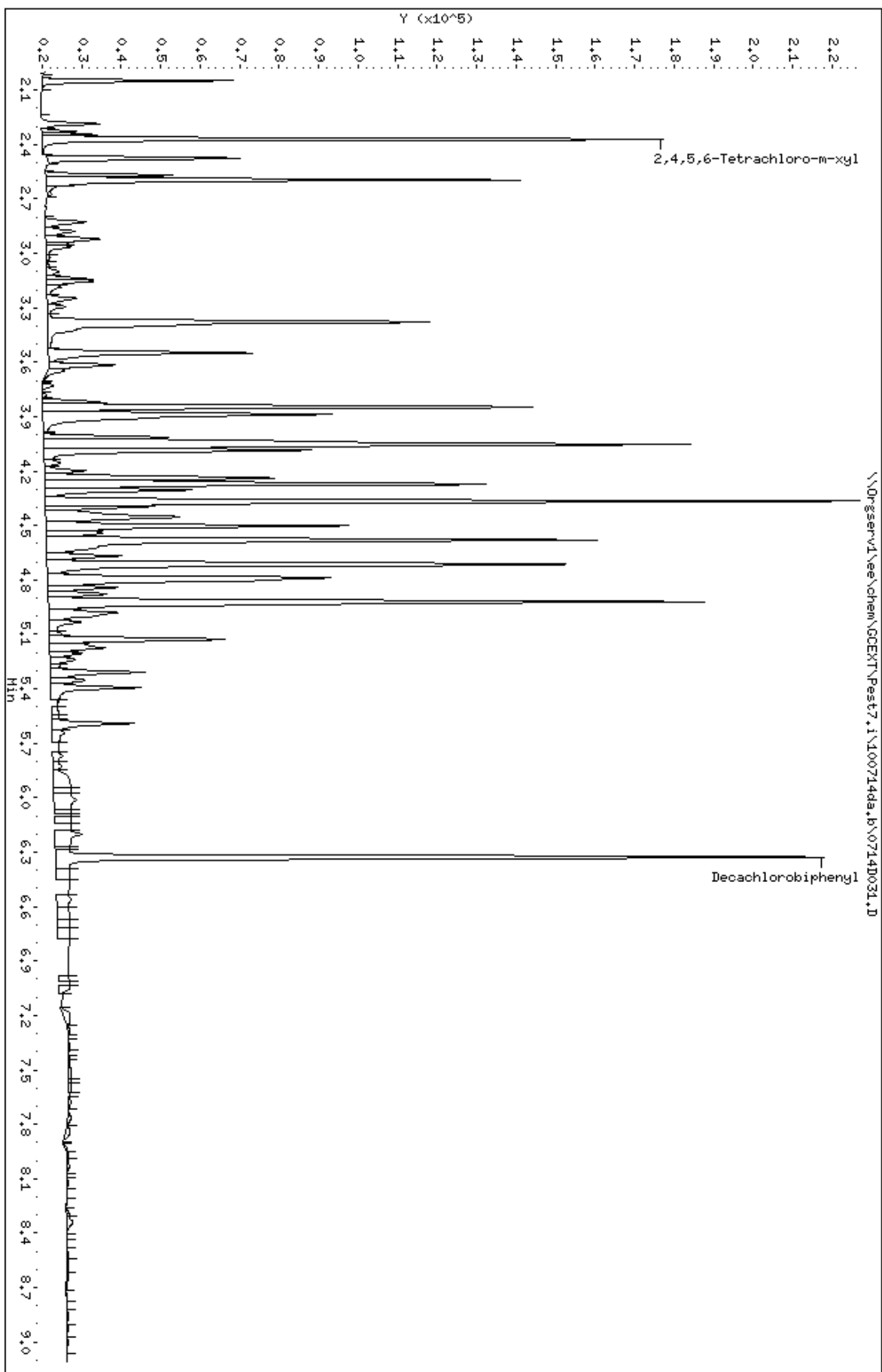
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest7.i Injection Date: 15-JUL-2010 11:32
 Lab File ID: 0714D032.D Init. Cal. Date(s): 14-JUL-2010 14-JUL-2010
 Analysis Type: Init. Cal. Times: 10:58 16:05
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.26771	2.41209	2.41209	0.100	-6.36712	15.00000	Averaged
2 Decachlorobiphenyl	1.54262	0.93787	0.93787	0.100	39.20314	15.00000	Averaged<-
7 Aroclor 1242(1)	0.03872	0.04156	0.04156	0.100	-7.31803	15.00000	Averaged
(2)	0.07450	0.08694	0.08694	0.100	-16.70124	15.00000	Averaged<-
(3)	0.02913	0.03427	0.03427	0.100	-17.64933	15.00000	Averaged<-
(4)	0.03373	0.03721	0.03721	0.100	-10.30814	15.00000	Averaged
(5)	0.01764	0.02112	0.02112	0.100	-19.69777	15.00000	Averaged<-

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\0714D032.D
 Lab Smp Id:
 Inj Date : 15-JUL-2010 11:32
 Operator : jb Inst ID: Pest7.i
 Smp Info : +1242 icv
 Misc Info : wg422120,wg421869, ICAL4779
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
 Als bottle: 32 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1242+.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.922	1.922	(1.000)	409815	0.25000					

\$ 1 2,4,5,6-Tetrachloro-m-xylene					CAS #:				
2.372	2.372	(1.234)	158162	0.04000	0.0425				

\$ 2 Decachlorobiphenyl					CAS #:				
6.325	6.325	(3.291)	245985	0.16000	0.0973				

7 Aroclor 1242					CAS #: 53469-21-9				
2.825	2.825	(1.470)	170309	2.50000	2.68	80.00- 120.00	100.00(M)		
3.155	3.155	(1.642)	356308	2.50000	2.92	167.37- 251.06	209.21		
3.252	3.252	(1.692)	140461	2.50000	2.94	65.98- 98.97	82.47		
3.548	3.548	(1.846)	152502	2.50000	2.76	71.64- 107.45	89.54		
3.892	3.892	(2.001)	86546	2.50000	2.99	40.65- 60.98	50.82		
Average of Peak Amounts =					2.85800				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D032.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714da.b\pcb7a.m
 Misc Info: wg422120,wg421869, ICAL4779

Calibration Date: 15-JUL-2010
 Calibration Time: 10:52
 Level:
 Sample Type:

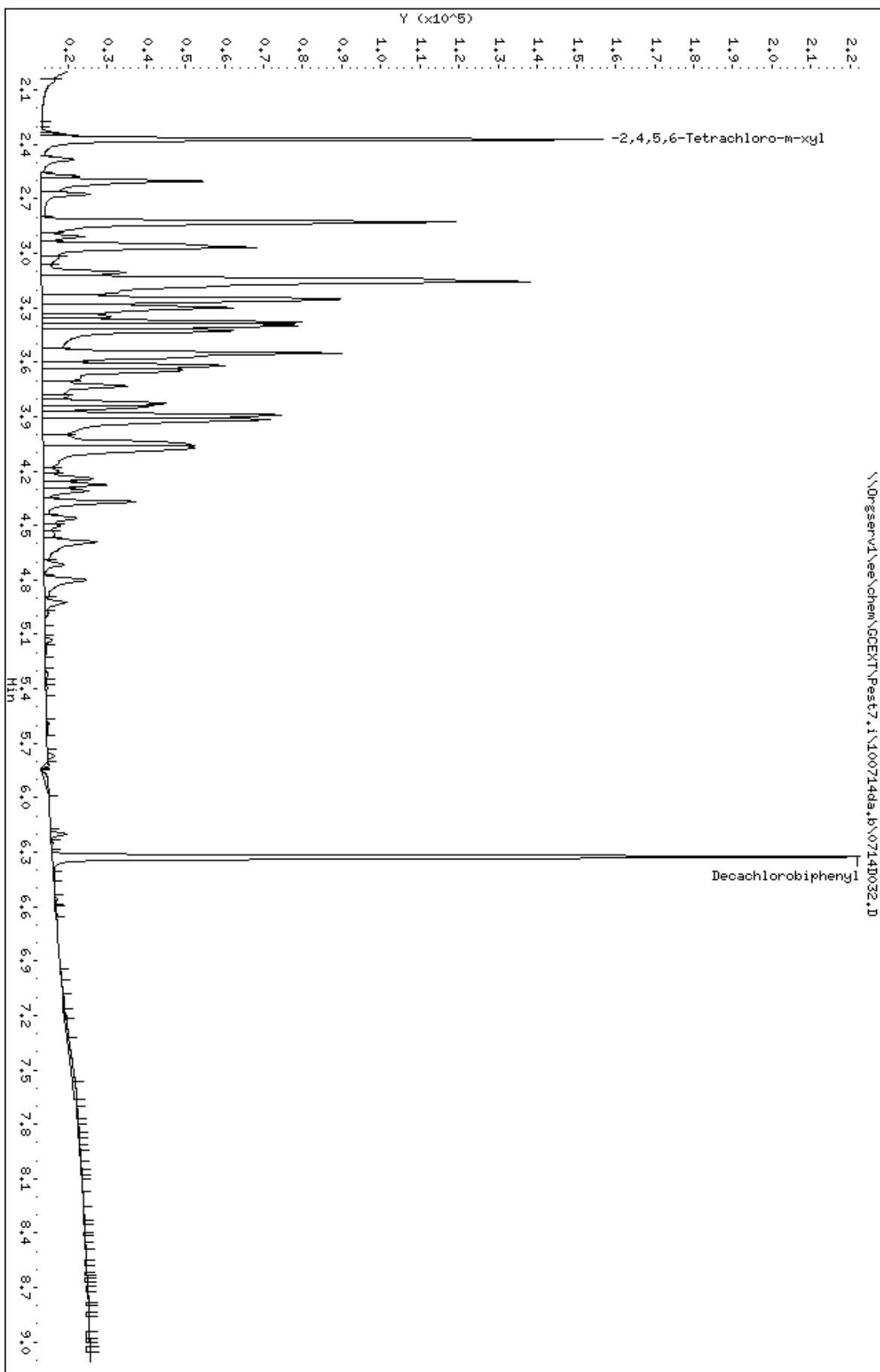
COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	415338	207669	830676	409815	-1.33

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	1.92	1.42	2.42	1.92	0.19

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714da.b\0714032.D
 Date : 15-JUL-2010 11:32
 Client ID:
 Sample Info: +1242 icv
 Column phase: Rtx-1701

Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUL-2010 10:58
 End Cal Date : 15-JUL-2010 10:52
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Cal Date : 30-Jul-2010 10:54 Pest7.i

Calibration File Names:

Level 1: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D014.D
 Level 2: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D021.D
 Level 3: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D022.D
 Level 4: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D026.D
 Level 5: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D024.D
 Level 6: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D019.D

Compound	8.0000	40.0000	80.0000	160.0000	320.0000	400.0000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
4 Aroclor 1016(1)	36351	66987	159916	311155	621002	15394	LINR	-0.35547	0.01822		0.99982
(2)	73324	144332	361062	705174	1414695	21188	LINR	-0.07959	0.04184		0.99984
(3)	136571	276459	718392	1432657	2850649	15342	LINR	0.13370	0.08497		0.99995
(4)	62405	122508	299051	577155	1151869	10012	LINR	-0.12467	0.03408		0.99977
(5)	42515	85209	211853	414828	845460	7025	LINR	0.09044	0.02506		0.99966
5 Aroclor 1221(1)	0.01097	0.01012	0.00996	0.00887	0.00841	0.00773	AVRG		0.00934		12.93505
(2)	0.00283	0.00282	0.00314	0.00297	0.00287	0.00165	AVRG		0.00271		19.74217
(3)	0.01117	0.01071	0.01085	0.01041	0.00986	0.01347	AVRG		0.01108		11.30451
(4)	0.00653	0.00628	0.00645	0.00618	0.00574	0.00676	AVRG		0.00632		5.50154
(5)	0.02930	0.02769	0.02743	0.02633	0.02443	0.03180	AVRG		0.02783		9.07884
6 Aroclor 1232(1)	+++++	+++++	+++++	0.02134	+++++	+++++	AVRG		0.02134		0.000e+000
(2)	+++++	+++++	+++++	0.01957	+++++	+++++	AVRG		0.01957		0.000e+000
(3)	+++++	+++++	+++++	0.03790	+++++	+++++	AVRG		0.03790		0.000e+000
(4)	+++++	+++++	+++++	0.01619	+++++	+++++	AVRG		0.01619		0.000e+000

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUL-2010 10:58
 End Cal Date : 15-JUL-2010 10:52
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\\ee\\chem\\GCEXT\\Pest7.i\\100714db.b\\pcb7b.m
 Cal Date : 30-Jul-2010 10:54 Pest7.i

Compound	8.0000 Level 1	40.0000 Level 2	80.0000 Level 3	160.0000 Level 4	320.0000 Level 5	400.0000 Level 6	Curve	Coefficients			%RSD or R^2
								b	m1	m2	
(5)	+++++	+++++	+++++	0.01086	+++++	+++++	AVRG		0.01086		0.000e+000
7 Aroclor 1242(1)	0.03640	0.03440	0.03455	0.03395	0.03303	0.04123	AVRG		0.03559		8.35527
(2)	0.06450	0.06334	0.06687	0.06797	0.06730	0.07002	AVRG		0.06667		3.62265
(3)	0.03232	0.02930	0.02918	0.02830	0.02717	0.03606	AVRG		0.03039		10.74462
(4)	0.02147	0.02106	0.02138	0.02176	0.02104	0.02363	AVRG		0.02172		4.49047
(5)	0.02961	0.02664	0.02803	0.02815	0.02557	0.02862	AVRG		0.02777		5.20168
9 Aroclor 1248(1)	0.02926	0.02756	0.02877	0.02890	0.02702	0.03333	AVRG		0.02914		7.62952
(2)	0.03312	0.03184	0.03388	0.03438	0.03253	0.03803	AVRG		0.03396		6.45033
(3)	0.02962	0.02982	0.03421	0.03670	0.03662	0.03384	AVRG		0.03347		9.36569
(4)	0.03417	0.04490	0.04504	0.04442	0.04224	0.03165	AVRG		0.04041		14.70983
(5)	0.04826	0.04648	0.04883	0.04908	0.04708	0.05601	AVRG		0.04929		6.98624
10 Aroclor 1254(1)	0.06046	0.06026	0.04876	0.04711	0.04073	0.06639	AVRG		0.05395		18.26079
(2)	0.04843	0.04805	0.04630	0.04644	0.04268	0.05294	AVRG		0.04747		7.08564
(3)	0.06970	0.06931	0.06751	0.06876	0.06325	0.07424	AVRG		0.06880		5.16470
(4)	0.03755	0.03681	0.03532	0.03507	0.03154	0.04058	AVRG		0.03615		8.30632
(5)	0.07187	0.07231	0.07041	0.07105	0.06557	0.07655	AVRG		0.07129		4.96286
11 Aroclor 1260(1)	0.05103	0.05373	0.05240	0.05128	0.05178	0.04893	AVRG		0.05152		3.09427
(2)	0.05941	0.06321	0.06197	0.06071	0.06100	0.05707	AVRG		0.06056		3.52116
(3)	0.04556	0.04905	0.04852	0.04775	0.04837	0.04447	AVRG		0.04729		3.89243
(4)	0.09425	0.10387	0.10292	0.10173	0.10177	0.09399	AVRG		0.09976		4.44660
(5)	0.06160	0.06750	0.06497	0.06545	0.06672	0.06199	AVRG		0.06471		3.75540
12 Aroclor 1262(1)	+++++	+++++	+++++	0.06372	+++++	+++++	AVRG		0.06372		0.000e+000

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUL-2010 10:58
 End Cal Date : 15-JUL-2010 10:52
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Cal Date : 30-Jul-2010 10:54 Pest7.i

Compound	8.0000	40.0000	80.0000	160.0000	320.0000	400.0000	Curve	Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	or R^2
(2)	+++++	+++++	+++++	0.05980	+++++	+++++	AVRG		0.05980		0.000e+000
(3)	+++++	+++++	+++++	0.10787	+++++	+++++	AVRG		0.10787		0.000e+000
(4)	+++++	+++++	+++++	0.07707	+++++	+++++	AVRG		0.07707		0.000e+000
(5)	+++++	+++++	+++++	0.04772	+++++	+++++	AVRG		0.04772		0.000e+000
13 Aroclor 1268(1)	0.12932	0.13391	0.13424	0.13493	0.12948	0.14807	AVRG		0.13499		5.08045
(2)	0.13870	0.13707	0.14247	0.13729	0.13066	0.15520	AVRG		0.14023		5.89518
(3)	0.08210	0.08382	0.08627	0.08585	0.08350	0.09285	AVRG		0.08573		4.45074
(4)	0.04134	0.04147	0.04199	0.04200	0.04137	0.04630	AVRG		0.04241		4.54897
(5)	0.23275	0.23775	0.24225	0.23628	0.22136	0.25626	AVRG		0.23778		4.82646
=====											
\$ 1 2,4,5,6-Tetrachloro-m-xylene	1.94234	2.16007	2.19688	2.13691	2.22841	2.12068	AVRG		2.13088		4.71205
\$ 2 Decachlorobiphenyl	1.14238	1.25695	0.92281	1.20748	1.23564	1.12829	AVRG		1.14893		10.60399

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 14-JUL-2010 10:58
End Cal Date : 15-JUL-2010 10:52
Quant Method : ISTD
Target Version : 4.12
Integrator : Falcon
Method file : \\Orgserv1\\ee\\chem\\GCEXT\\Pest7.i\\100714db.b\\pcb7b.m
Cal Date : 30-Jul-2010 10:54 Pest7.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D001.D
Lab Smp Id:
Inj Date : 14-JUL-2010 10:58
Operator : jb Inst ID: Pest7.i
Smp Info : 1016/1260 l6
Misc Info : wg422120,wg421869, ICAL4780
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.017	2.017	(1.000)	921682	0.25000					

\$ 1 2,4,5,6-Tetrachloro-m-xylene					CAS #:				
2.600	2.600	(1.289)	2501879	0.32000	0.318		(M)	M4	

\$ 2 Decachlorobiphenyl					CAS #:				
6.910	6.910	(3.368)	3993326	0.96000	0.943		(M)	M2	

4 Aroclor 1016					CAS #: 12674-11-2				
2.943	2.943	(1.459)	15394	0.10000	0.140	80.00- 120.00	100.00(M)	M4	
3.230	3.230	(1.601)	21188	0.10000	0.117	191.45- 287.17	137.64	M4	
3.597	3.597	(1.783)	15342	0.10000	0.0824	380.04- 570.06	99.66	M4	
3.703	3.703	(1.836)	10012	0.10000	0.0485	162.85- 244.28	65.04	M4	
3.790	3.790	(1.879)	7025	0.10000	0.0986	114.76- 172.14	45.63	M4	
Average of Peak Amounts =					0.09730				

11 Aroclor 1260					CAS #: 11096-82-5				
5.060	5.060	(2.509)	18041	0.10000	0.0950	80.00- 120.00	100.00		
5.210	5.210	(2.583)	21040	0.10000	0.0942	91.27- 136.90	116.62		
5.730	5.730	(2.841)	16394	0.10000	0.0940	65.09- 97.64	90.87		
5.900	5.900	(2.925)	34653	0.10000	0.0942	132.96- 199.44	192.08		
6.143	6.143	(3.046)	22854	0.10000	0.0958	91.30- 136.95	126.68		
Average of Peak Amounts =					0.09464				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D001.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 15-JUL-2010
Calibration Time: 11:32
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	790158	395079	1580316	921682	16.65

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.03	1.53	2.53	2.02	-0.40

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.1\100714db.b\0714D001.D

Date : 14-JUL-2010 10:58

Client ID:

Sample Info: 1016/1260 16

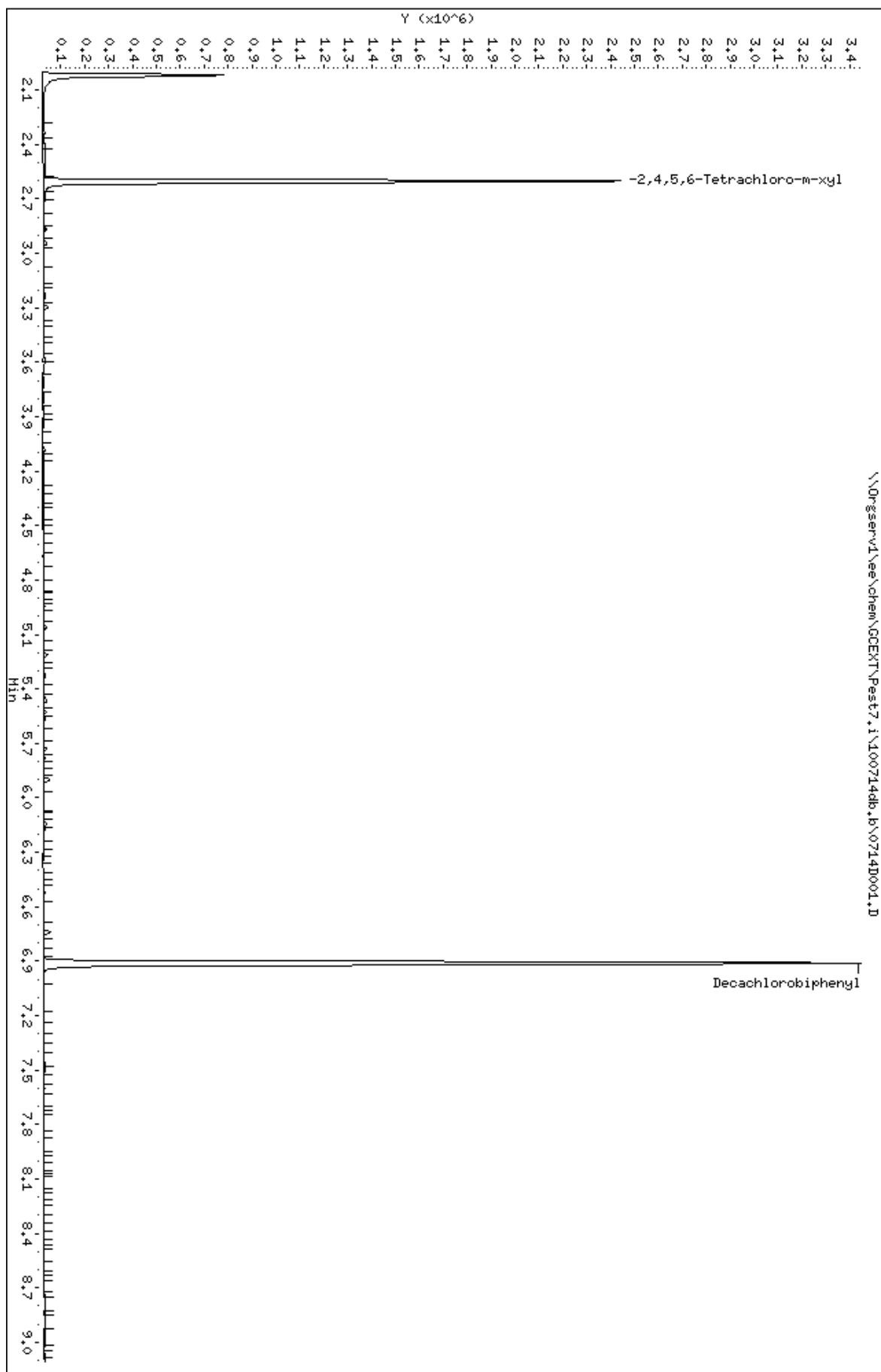
Column phase: HP-5

Instrument: Pest7.1

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D002.D
Lab Smp Id:
Inj Date : 14-JUL-2010 11:10
Operator : jb Inst ID: Pest7.i
Smp Info : 1016/1260 l1
Misc Info : wg422120,wg421869, ICAL4780
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 14:39 Cal File: 0714D019.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.017	2.017	(1.000)	865041	0.25000					

\$ 1 2,4,5,6-Tetrachloro-m-xylene					CAS #:				
2.597	2.597	(1.288)	67208	0.01000	0.00912		(M)	M4	

\$ 2 Decachlorobiphenyl					CAS #:				
6.890	6.890	(3.365)	118585	0.03000	0.0298		(M)	M2	

4 Aroclor 1016					CAS #: 12674-11-2				
2.933	2.933	(1.454)	36351	0.50000	0.488	80.00- 120.00	100.00		
3.223	3.223	(1.598)	73324	0.50000	0.487	191.45- 287.17	201.71		
3.590	3.590	(1.780)	136571	0.50000	0.498	380.04- 570.06	375.70		
3.700	3.700	(1.835)	62405	0.50000	0.498	162.85- 244.28	171.67		
3.783	3.783	(1.876)	42515	0.50000	0.513	114.76- 172.14	116.96		
Average of Peak Amounts =					0.49680				

11 Aroclor 1260					CAS #: 11096-82-5				
5.053	5.053	(2.505)	88285	0.50000	0.495	80.00- 120.00	100.00		
5.207	5.207	(2.581)	102785	0.50000	0.490	91.27- 136.90	116.42		
5.727	5.727	(2.839)	78829	0.50000	0.482	65.09- 97.64	89.29		
5.893	5.893	(2.922)	163067	0.50000	0.472	132.96- 199.44	184.71		
6.137	6.137	(3.043)	106575	0.50000	0.476	91.30- 136.95	120.72		
Average of Peak Amounts =					0.48300				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D002.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 15-JUL-2010
 Calibration Time: 11:32
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	790158	395079	1580316	865041	9.48

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.03	1.53	2.53	2.02	-0.41

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\ee\chem\GCEXT\Pest7.i\100714db.b\0714D002.D

Date : 14-JUL-2010 11:10

Client ID:

Sample Info: 1016/1260 11

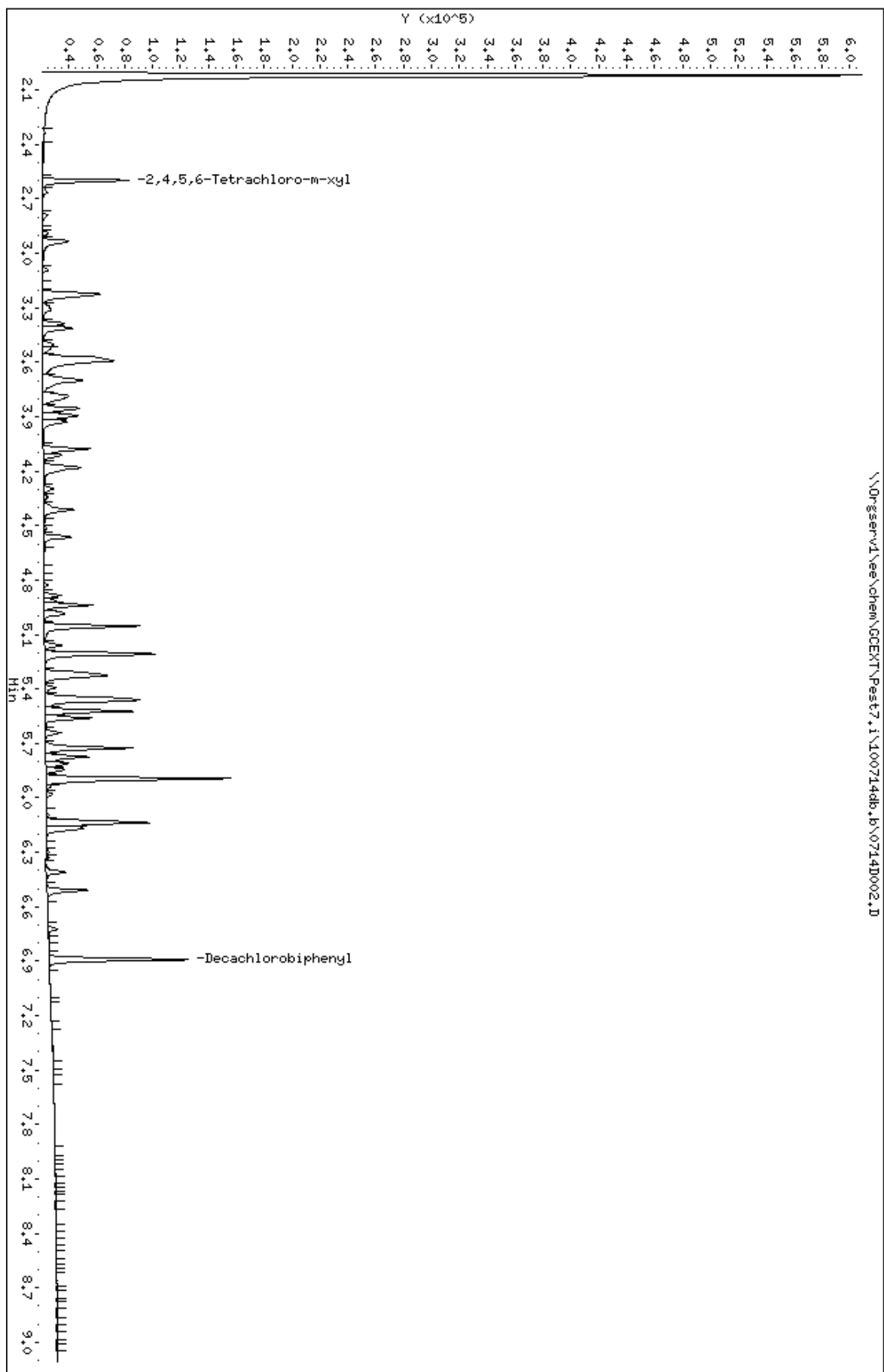
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D003.D
Lab Smp Id:
Inj Date : 14-JUL-2010 11:22
Operator : jb Inst ID: Pest7.i
Smp Info : 1016/1260 l2
Misc Info : wg422120,wg421869, ICAL4780
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 13:38 Cal File: 0714D014.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	

* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.018	2.018	(1.000)	837335	0.25000					

\$ 1 2,4,5,6-Tetrachloro-m-xylene					CAS #:				
2.598	2.598	(1.287)	144696	0.02000	0.0203				

\$ 2 Decachlorobiphenyl					CAS #:				
6.882	6.882	(3.355)	252597	0.06000	0.0656			(M)	M2

4 Aroclor 1016					CAS #: 12674-11-2				
2.932	2.932	(1.452)	66987	1.00000	1.01	80.00- 120.00	100.00		
3.222	3.222	(1.596)	144332	1.00000	1.01	191.45- 287.17	215.46		
3.588	3.588	(1.778)	276459	1.00000	1.00	380.04- 570.06	412.71		
3.698	3.698	(1.832)	122508	1.00000	1.04	162.85- 244.28	182.88		
3.785	3.785	(1.875)	85209	1.00000	1.04	114.76- 172.14	127.20		
Average of Peak Amounts =					1.02000				

11 Aroclor 1260					CAS #: 11096-82-5				
5.055	5.055	(2.504)	179963	1.00000	1.04	80.00- 120.00	100.00		
5.205	5.205	(2.579)	211714	1.00000	1.04	91.27- 136.90	117.64		
5.725	5.725	(2.836)	164289	1.00000	1.04	65.09- 97.64	91.29		
5.892	5.892	(2.919)	347904	1.00000	1.04	132.96- 199.44	193.32		
6.135	6.135	(3.039)	226088	1.00000	1.04	91.30- 136.95	125.63		
Average of Peak Amounts =					1.04000				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 15-JUL-2010
 Lab File ID: 0714D003.D Calibration Time: 11:32
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	790158	395079	1580316	837335	5.97

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	2.03	1.53	2.53	2.02	-0.34

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.1\100714db.b\0714D003.D

Date : 14-JUL-2010 11:22

Client ID:

Sample Info: 1016/1260 12

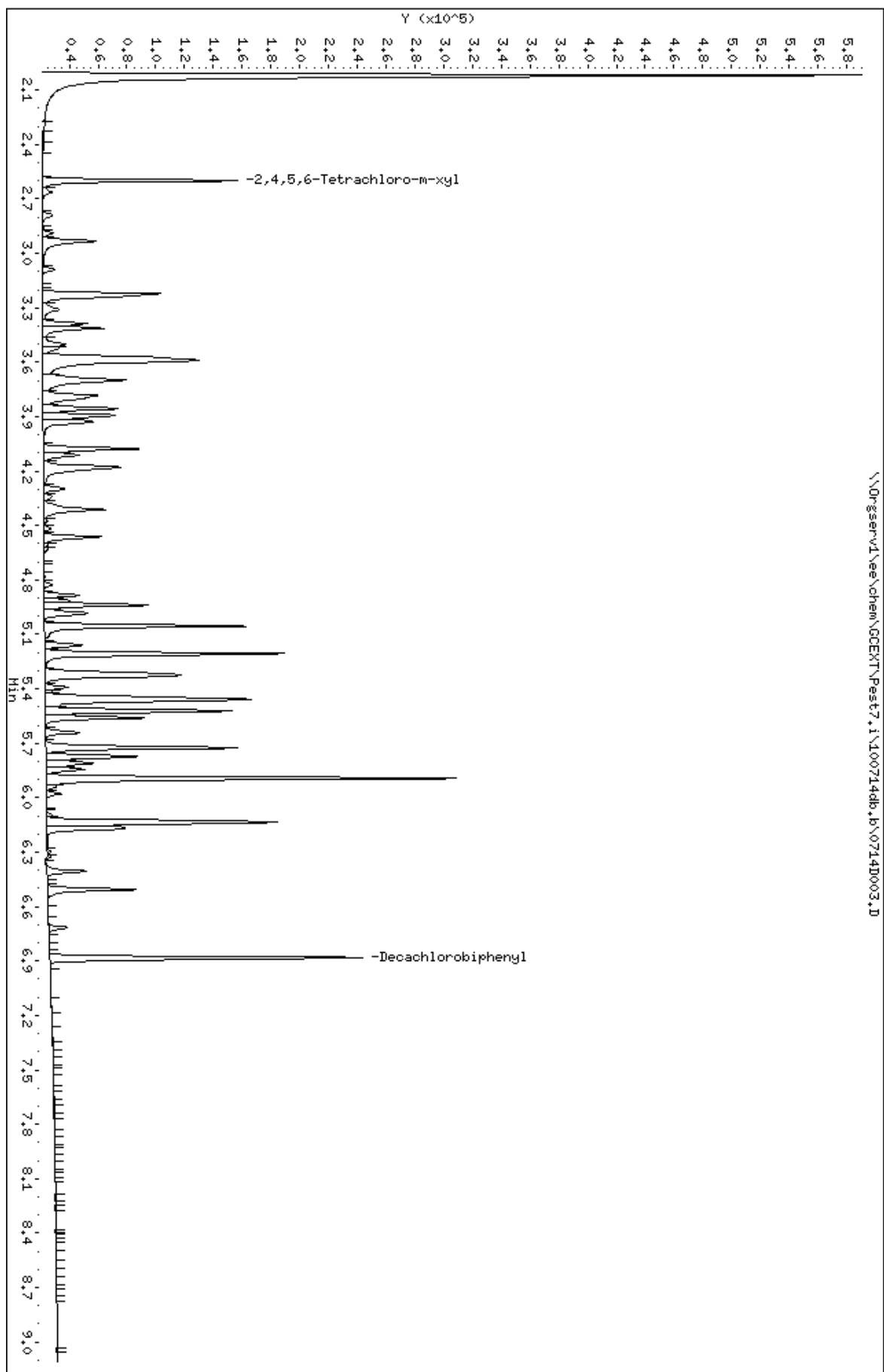
Column phase: HP-5

Instrument: Pest7.1

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D004.D
Lab Smp Id:
Inj Date : 14-JUL-2010 11:35
Operator : jb Inst ID: Pest7.i
Smp Info : 1016/1260 l3
Misc Info : wg422120,wg421869, ICAL4780
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 15:04 Cal File: 0714D021.D
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	

* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.016	2.016	(1.000)	841655	0.25000					

\$ 1 2,4,5,6-Tetrachloro-m-xylene					CAS #:				
2.596	2.596	(1.288)	295843	0.04000	0.0412				

\$ 2 Decachlorobiphenyl					CAS #:				
6.880	6.880	(3.358)	497079	0.16000	0.128			(M)	M2

4 Aroclor 1016					CAS #: 12674-11-2				
2.930	2.930	(1.453)	159916	2.50000	2.52	80.00- 120.00	100.00		
3.223	3.223	(1.598)	361062	2.50000	2.54	180.63- 270.94	225.78		
3.586	3.586	(1.778)	718392	2.50000	2.54	359.38- 539.08	449.23		
3.696	3.696	(1.833)	299051	2.50000	2.58	149.60- 224.41	187.01		
3.783	3.783	(1.876)	211853	2.50000	2.53	105.98- 158.97	132.48		
Average of Peak Amounts =					2.54200				

11 Aroclor 1260					CAS #: 11096-82-5				
5.053	5.053	(2.506)	441021	2.50000	2.54	80.00- 120.00	100.00		
5.206	5.206	(2.582)	521586	2.50000	2.56	94.61- 141.92	118.27		
5.723	5.723	(2.838)	408374	2.50000	2.56	74.08- 111.12	92.60		
5.893	5.893	(2.922)	866226	2.50000	2.58	157.13- 235.70	196.41		
6.136	6.136	(3.043)	546831	2.50000	2.51	99.19- 148.79	123.99		
Average of Peak Amounts =					2.55000				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D004.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 14-JUL-2010
 Calibration Time: 11:35
 Level:
 Sample Type:

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	841655	420828	1683310	841655	0.00

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D004.D

Date : 14-JUL-2010 11:35

Client ID:

Sample Info: 1016/1260 13

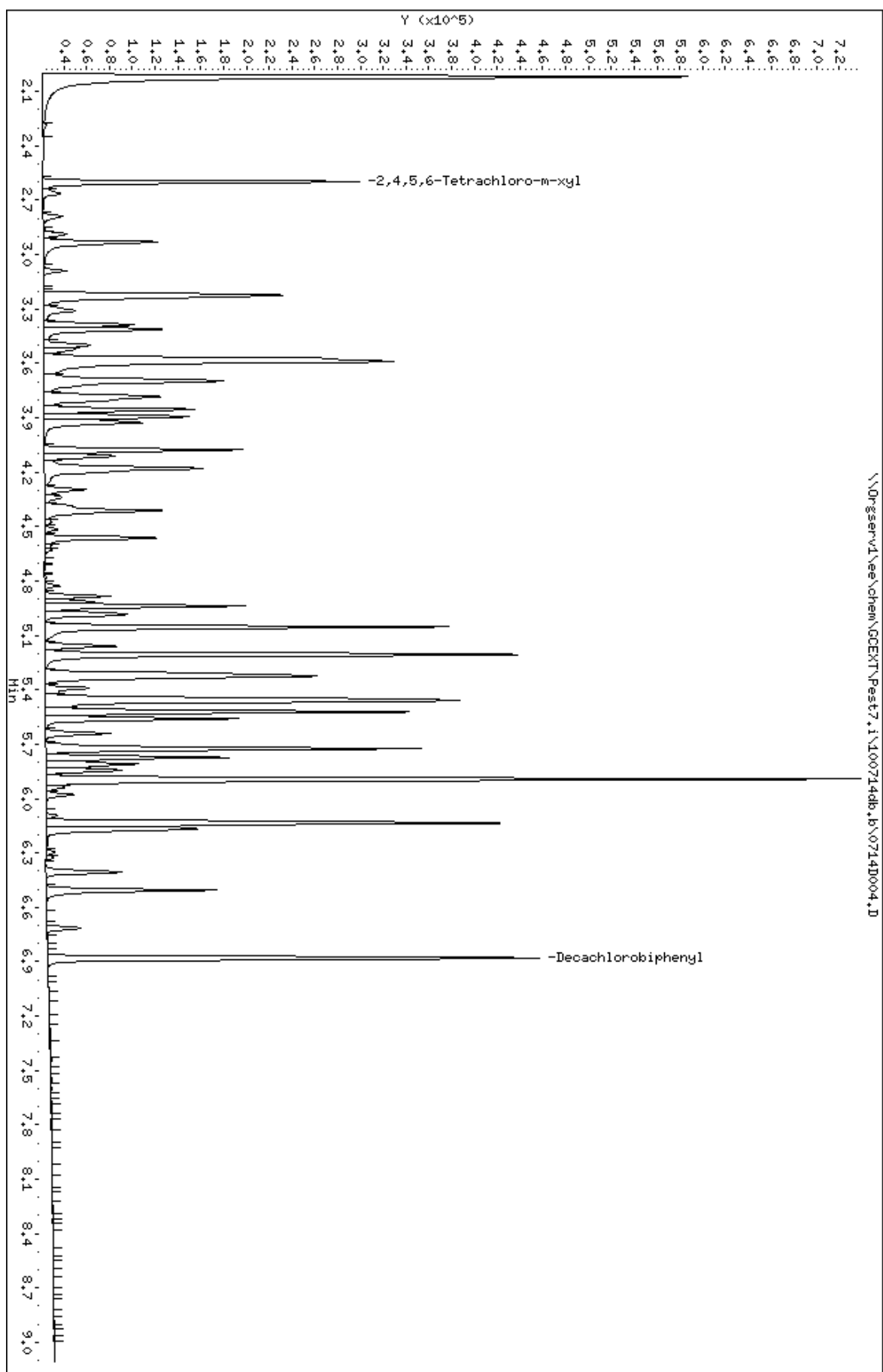
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

Page 3



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D005.D
Lab Smp Id:
Inj Date : 14-JUL-2010 11:47
Operator : jb Inst ID: Pest7.i
Smp Info : 1016/1260 l4
Misc Info : wg422120,wg421869, ICAL4780
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 15:16 Cal File: 0714D022.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.016	2.016	(1.000)	854855	0.25000					

\$ 1 2,4,5,6-Tetrachloro-m-xylene					CAS #:				
2.596	2.596	(1.288)	584560	0.08000	0.0802				

\$ 2 Decachlorobiphenyl					CAS #:				
6.880	6.880	(3.359)	990934	0.24000	0.252			(M)	M2

4 Aroclor 1016					CAS #: 12674-11-2				
2.930	2.930	(1.453)	311155	5.00000	4.90	80.00- 120.00	100.00		
3.223	3.223	(1.598)	705174	5.00000	4.91	180.63- 270.94	226.63		
3.586	3.586	(1.779)	1432657	5.00000	4.96	359.38- 539.08	460.43		
3.693	3.693	(1.831)	577155	5.00000	4.92	149.60- 224.41	185.49		
3.780	3.780	(1.874)	414828	5.00000	4.86	105.98- 158.97	133.32		
Average of Peak Amounts =					4.91000				

11 Aroclor 1260					CAS #: 11096-82-5				
5.053	5.053	(2.506)	876659	5.00000	4.98	80.00- 120.00	100.00		
5.206	5.206	(2.582)	1038028	5.00000	5.01	94.61- 141.92	118.41		
5.723	5.723	(2.838)	816419	5.00000	5.05	74.08- 111.12	93.13		
5.893	5.893	(2.922)	1739368	5.00000	5.10	157.13- 235.70	198.41		
6.133	6.133	(3.041)	1119025	5.00000	5.06	99.19- 148.79	127.65		
Average of Peak Amounts =					5.04000				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D005.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 14-JUL-2010
Calibration Time: 11:35
Level:
Sample Type:

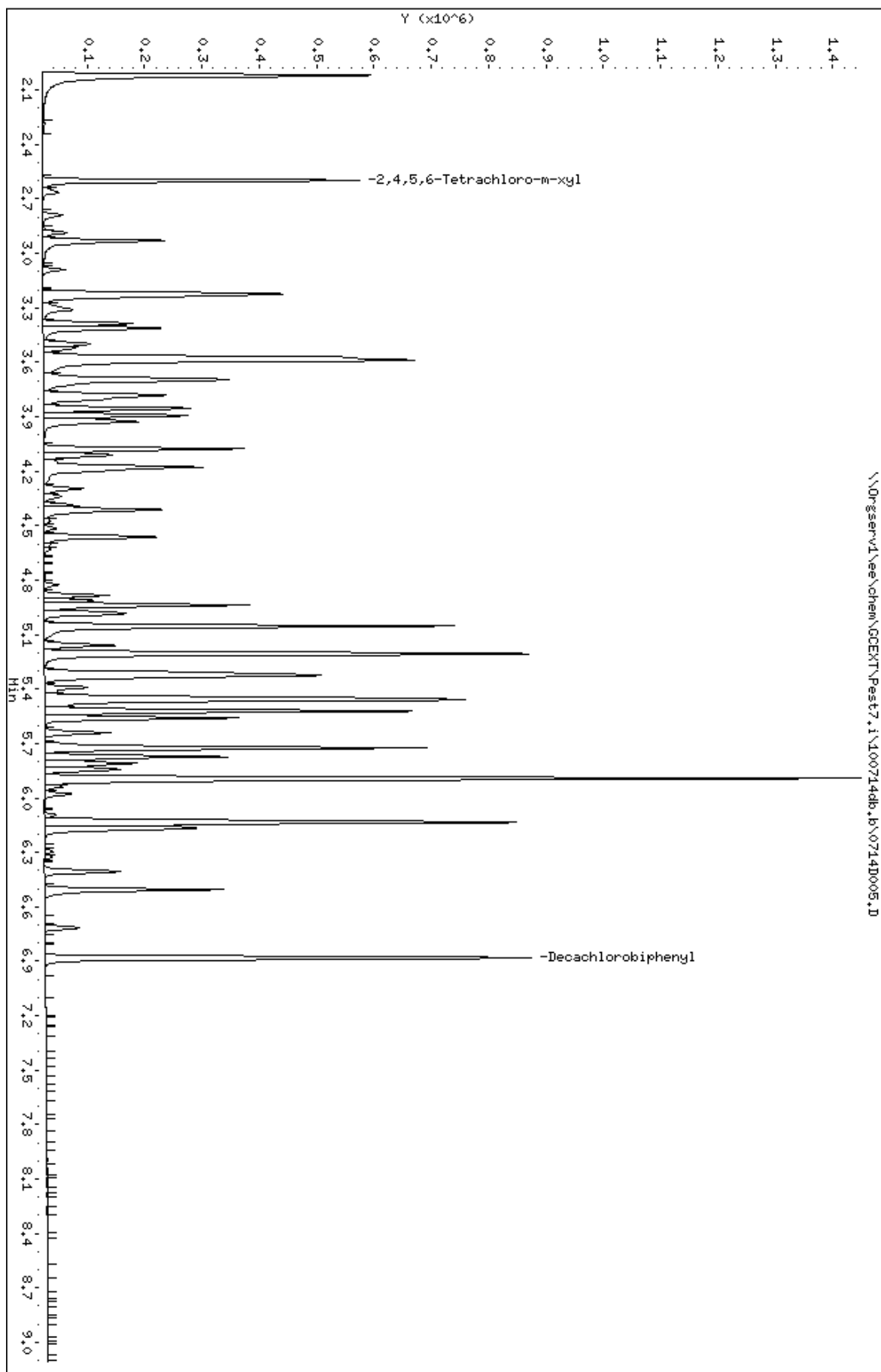
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	841655	420828	1683310	854855	1.57

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D005.D
 Date : 14-JUL-2010 11:47
 Client ID:
 Sample Info: 1016/1260 14
 Column phase: HP-5

Instrument: Pest7.i
 Operator: jib
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D006.D
Lab Smp Id:
Inj Date : 14-JUL-2010 11:59
Operator : jb Inst ID: Pest7.i
Smp Info : 1016/1260 l5
Misc Info : wg422120,wg421869, ICAL4780
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.016	2.016	(1.000)	840960	0.25000					

\$ 1 2,4,5,6-Tetrachloro-m-xylene					CAS #:				
2.596	2.596	(1.288)	1199360	0.16000	0.167				

\$ 2 Decachlorobiphenyl					CAS #:				
6.883	6.883	(3.359)	1995119	0.48000	0.516			(M)	M2

4 Aroclor 1016					CAS #: 12674-11-2				
2.926	2.926	(1.451)	621002	10.0000	10.0	80.00- 120.00	100.00(M)	M4	
3.219	3.219	(1.597)	1414695	10.0000	10.0	180.63- 270.94	227.81	M4	
3.583	3.583	(1.777)	2850649	10.0000	10.0	359.38- 539.08	459.04	M4	
3.693	3.693	(1.831)	1151869	10.0000	10.0	149.60- 224.41	185.49	M4	
3.779	3.779	(1.874)	845460	10.0000	10.0	105.98- 158.97	136.14	M4	
Average of Peak Amounts =					10.0000				

11 Aroclor 1260					CAS #: 11096-82-5				
5.053	5.053	(2.506)	1741629	10.0000	10.0	80.00- 120.00	100.00		
5.203	5.203	(2.580)	2051853	10.0000	10.1	94.61- 141.92	117.81		
5.723	5.723	(2.838)	1627066	10.0000	10.2	74.08- 111.12	93.42		
5.893	5.893	(2.922)	3423238	10.0000	10.2	157.13- 235.70	196.55		
6.133	6.133	(3.041)	2244403	10.0000	10.3	99.19- 148.79	128.87		
Average of Peak Amounts =					10.1600				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D006.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 14-JUL-2010
 Calibration Time: 11:35
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	841655	420828	1683310	840960	-0.08

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D006.D

Date : 14-JUL-2010 11:59

Client ID:

Sample Info: 1016/1260 15

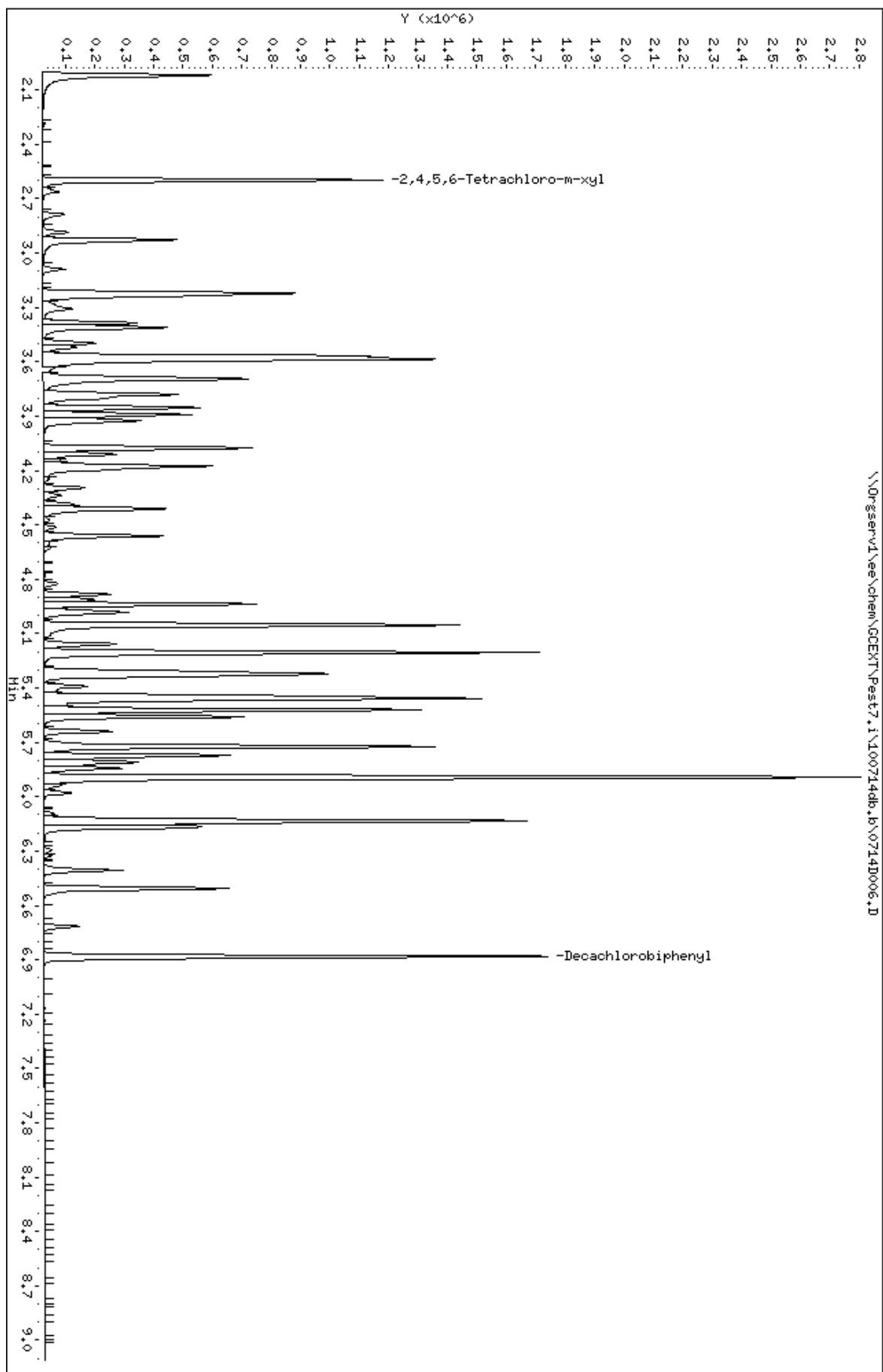
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D007.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 12:11
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1221/1254 l6
 Misc Info : wg422120,wg421869, ICAL4780
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 15:40 Cal File: 0714D024.D
 Als bottle: 7 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 2154.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.016	2.016	(1.000)	893454	0.25000					

5 Aroclor 1221					CAS #: 11104-28-2				
2.286	2.286	(1.134)	2764	0.10000	0.0828	80.00- 120.00	100.00(M)		
2.543	2.543	(1.261)	588	0.10000	0.0607	22.76- 34.14	21.27		
2.789	2.789	(1.384)	4813	0.10000	0.122	90.44- 135.66	174.13		
2.889	2.889	(1.433)	2415	0.10000	0.107	57.73- 86.60	87.37		
2.936	2.936	(1.456)	11363	0.10000	0.114	217.95- 326.92	411.11		
Average of Peak Amounts =					0.09730				

10 Aroclor 1254					CAS #: 11097-69-1				
4.413	4.413	(2.189)	23727	0.10000	0.123	80.00- 120.00	100.00(M)		
4.563	4.563	(2.263)	18920	0.10000	0.112	83.28- 124.92	79.74		
4.913	4.913	(2.436)	26531	0.10000	0.108	126.65- 189.97	111.82		
5.206	5.206	(2.582)	14502	0.10000	0.112	60.38- 90.56	61.12		
5.459	5.459	(2.708)	27356	0.10000	0.107	115.26- 172.90	115.29		
Average of Peak Amounts =					0.11240				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D007.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Misc Info: wg422120, wg421869, ICAL4780

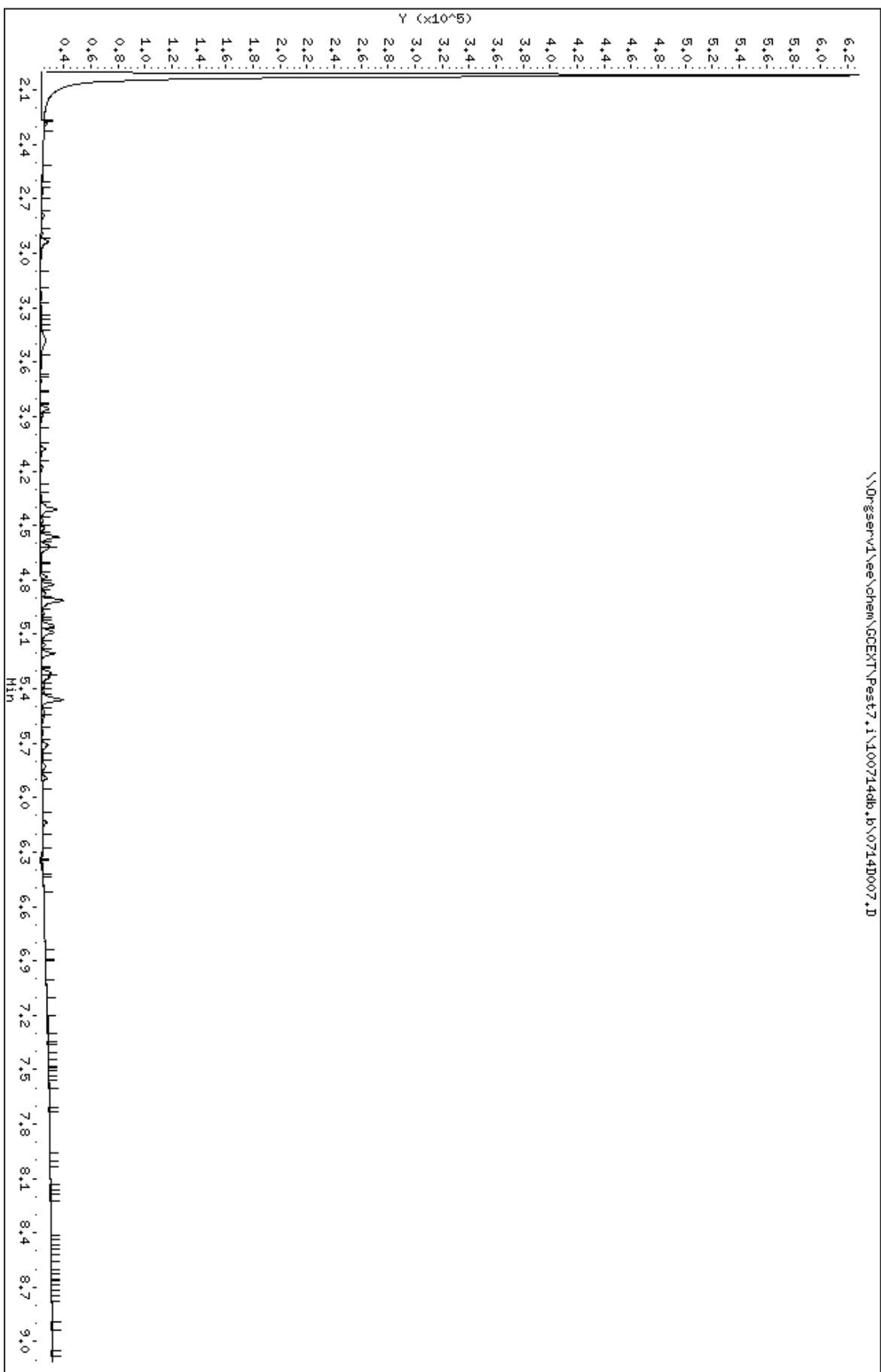
Calibration Date: 14-JUL-2010
Calibration Time: 11:35
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	841655	420828	1683310	893454	6.15

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgerw1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D007.D
 Date : 14-JUL-2010 12:11
 Client ID:
 Sample Info: 1221/1254 16
 Column phase: HP-5
 Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D008.D

Lab Smp Id:

Inj Date : 14-JUL-2010 12:24

Operator : jb

Inst ID: Pest7.i

Smp Info : 1221/1254 l1

Misc Info : wg422120,wg421869, ICAL4780

Comment :

Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m

Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD

Cal Date : 14-JUL-2010 14:39

Cal File: 0714D019.D

Als bottle: 8

Calibration Sample, Level: 1

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 2154.sub

Target Version: 4.12

Sample Matrix: None

Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.017	2.017	(1.000)	841614	0.25000				(M)	

5 Aroclor 1221					CAS #: 11104-28-2				
2.284	2.284	(1.132)	18462	0.50000	0.587	80.00- 120.00	100.00	(M)	
2.537	2.537	(1.258)	4768	0.50000	0.522	22.76- 34.14	25.83		
2.787	2.787	(1.382)	18809	0.50000	0.504	90.44- 135.66	101.88		
2.887	2.887	(1.431)	10984	0.50000	0.516	57.73- 86.60	59.50		
2.934	2.934	(1.454)	49316	0.50000	0.526	217.95- 326.92	267.12		
Average of Peak Amounts =					0.53100				

10 Aroclor 1254					CAS #: 11097-69-1				
4.411	4.411	(2.186)	101765	0.50000	0.560	80.00- 120.00	100.00		
4.561	4.561	(2.260)	81514	0.50000	0.510	83.28- 124.92	80.10		
4.911	4.911	(2.434)	117326	0.50000	0.506	126.65- 189.97	115.29		
5.204	5.204	(2.579)	63198	0.50000	0.519	60.38- 90.56	62.10		
5.461	5.461	(2.706)	120979	0.50000	0.504	115.26- 172.90	118.88		
Average of Peak Amounts =					0.51980				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D008.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 14-JUL-2010
Calibration Time: 11:35
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	841655	420828	1683310	841614	-0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	0.05

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D008.D

Date : 14-JUL-2010 12:24

Client ID:

Sample Info: 1221/1254 11

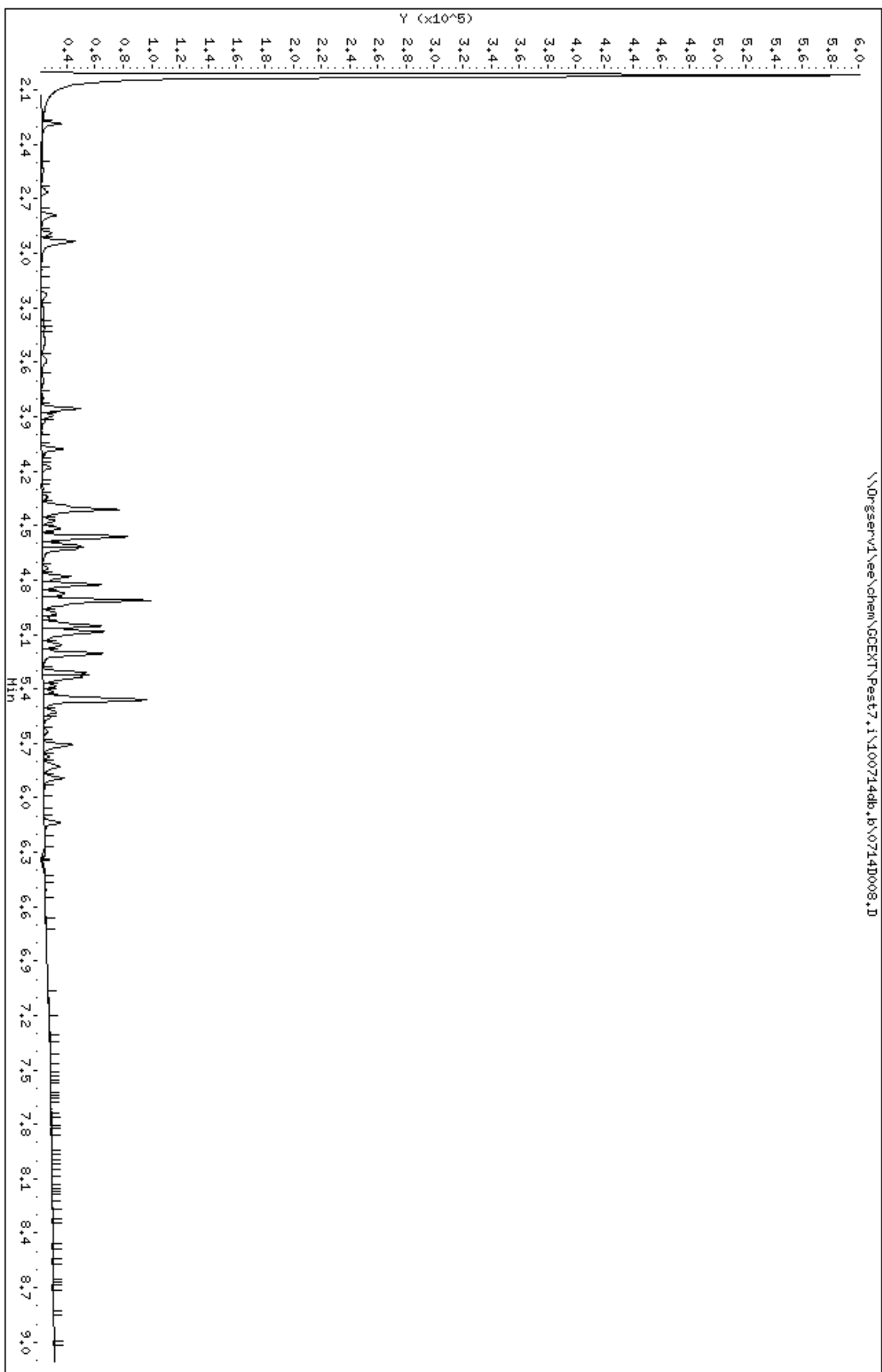
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D009.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 12:36
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1221/1254 l2
 Misc Info : wg422120,wg421869, ICAL4780
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 13:38 Cal File: 0714D014.D
 Als bottle: 9 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 2154.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.017	2.017	(1.000)	829233	0.25000				(M)	

5 Aroclor 1221					CAS #: 11104-28-2				
2.284	2.284	(1.132)	33557	1.00000	1.08	80.00- 120.00	100.00(M)	M4	
2.534	2.534	(1.256)	9358	1.00000	1.04	22.76- 34.14	27.89	M4	
2.790	2.790	(1.383)	35525	1.00000	0.967	90.44- 135.66	105.86	M4	
2.887	2.887	(1.431)	20816	1.00000	0.992	57.73- 86.60	62.03	M4	
2.930	2.930	(1.453)	91842	1.00000	0.995	217.95- 326.92	273.69	M4	
Average of Peak Amounts =					1.01480				

10 Aroclor 1254					CAS #: 11097-69-1				
4.410	4.410	(2.186)	199885	1.00000	1.12	80.00- 120.00	100.00(M)		
4.564	4.564	(2.262)	159372	1.00000	1.01	83.28- 124.92	79.73		
4.914	4.914	(2.436)	229904	1.00000	1.01	126.65- 189.97	115.02		
5.207	5.207	(2.581)	122110	1.00000	1.02	60.38- 90.56	61.09		
5.460	5.460	(2.707)	239834	1.00000	1.01	115.26- 172.90	119.99		
Average of Peak Amounts =					1.03400				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D009.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Misc Info: wg422120, wg421869, ICAL4780

Calibration Date: 14-JUL-2010
Calibration Time: 11:35
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	841655	420828	1683310	829233	-1.48

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D009.D

Date : 14-JUL-2010 12:36

Client ID:

Sample Info: 1221/1254 12

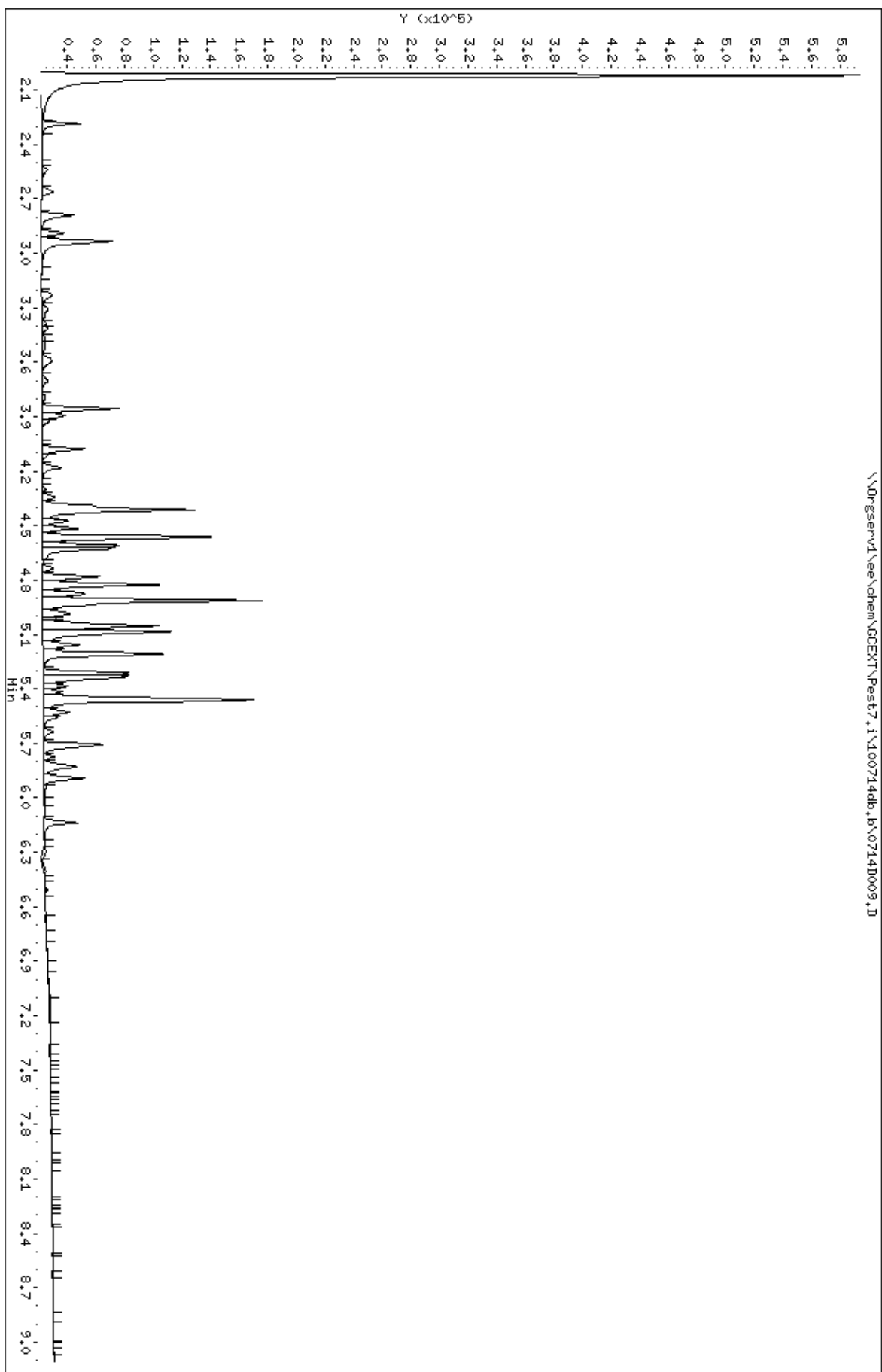
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

Page 3



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D010.D
Lab Smp Id:
Inj Date : 14-JUL-2010 12:48
Operator : jb Inst ID: Pest7.i
Smp Info : 1221/1254 l3
Misc Info : wg422120,wg421869, ICAL4780
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 15:04 Cal File: 0714D021.D
Als bottle: 10 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
		CAL-AMT		ON-COL					
RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.019	2.019	(1.000)	864979	0.25000				(M)	

5 Aroclor 1221					CAS #: 11104-28-2				
2.282	2.282	(1.130)	86195	2.50000	2.66	80.00-	120.00	100.00(M)	M4
2.529	2.529	(1.253)	27119	2.50000	2.89	25.17-	37.75	31.46	M4
2.789	2.789	(1.381)	93825	2.50000	2.45	87.08-	130.62	108.85	M4
2.886	2.886	(1.429)	55808	2.50000	2.55	51.80-	77.70	64.75	M4
2.929	2.929	(1.451)	237223	2.50000	2.46	220.17-	330.26	275.22	M4
Average of Peak Amounts =					2.60200				

10 Aroclor 1254					CAS #: 11097-69-1				
4.412	4.412	(2.185)	421790	2.50000	2.26	80.00-	120.00	100.00(M)	M4
4.562	4.562	(2.259)	400472	2.50000	2.44	75.96-	113.93	94.95	M4
4.912	4.912	(2.433)	583973	2.50000	2.45	110.76-	166.14	138.45	M4
5.206	5.206	(2.578)	305545	2.50000	2.44	57.95-	86.93	72.44	M4
5.459	5.459	(2.703)	609027	2.50000	2.47	115.51-	173.27	144.39	M4
Average of Peak Amounts =					2.41200				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D010.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 14-JUL-2010
 Calibration Time: 12:48
 Level:
 Sample Type:

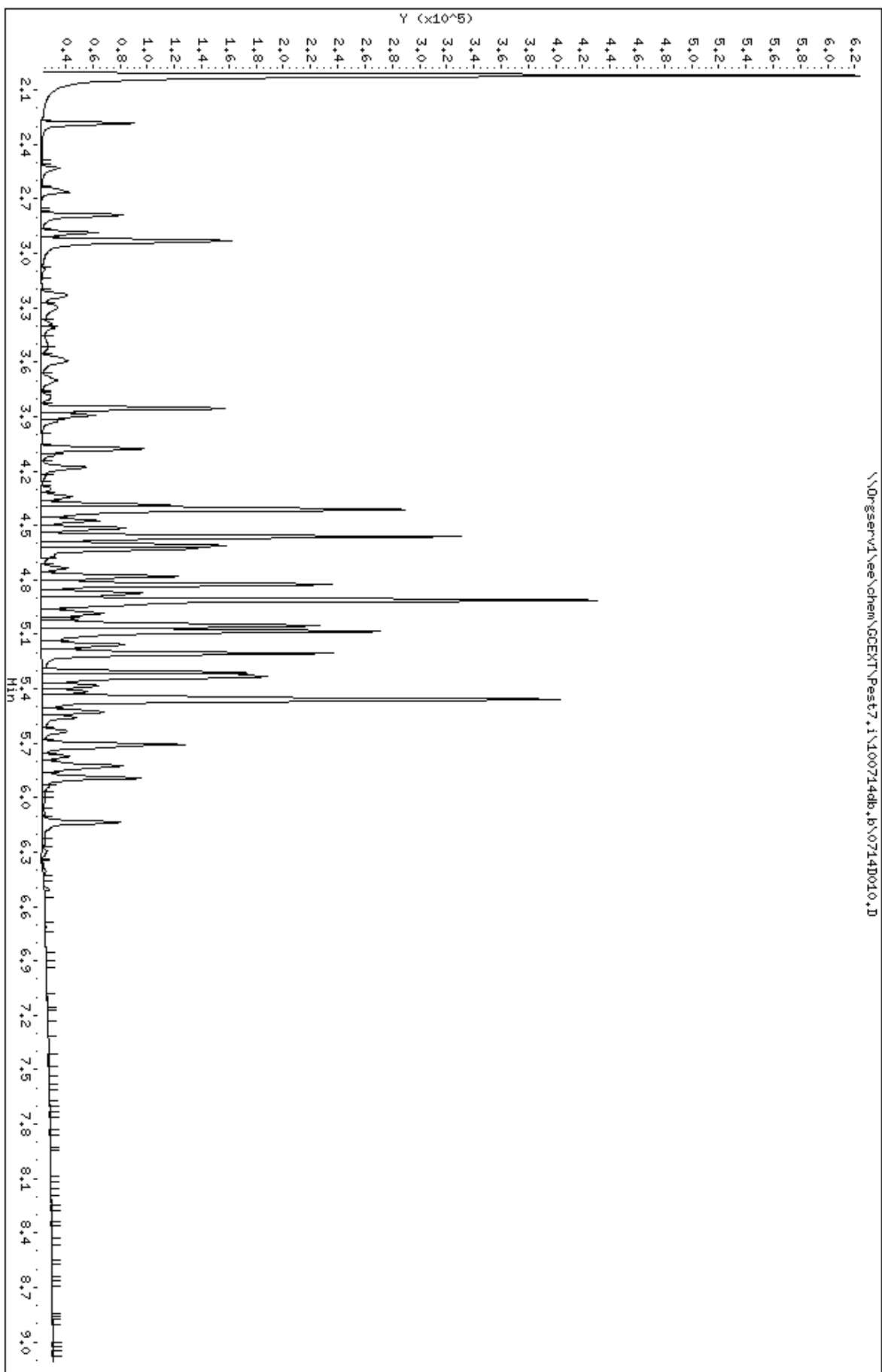
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	864979	432490	1729958	864979	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D010.D
Date : 14-JUL-2010 12:48
Client ID:
Sample Info: 1221/1254 13
Column phase: HP-5

Instrument: Pest7.i
Operator: jlb
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D011.D
Lab Smp Id:
Inj Date : 14-JUL-2010 13:01
Operator : jb Inst ID: Pest7.i
Smp Info : 1221/1254 l4
Misc Info : wg422120,wg421869, ICAL4780
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 15:16 Cal File: 0714D022.D
Als bottle: 11 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
		CAL-AMT		ON-COL					
RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene CAS #:									
2.017	2.017	(1.000)	840859	0.25000				(M)	M4

5 Aroclor 1221					CAS #: 11104-28-2				
2.283	2.283	(1.132)	149220	5.00000	4.75	80.00-	120.00	100.00(M)	M4
2.527	2.527	(1.253)	49914	5.00000	5.47	25.17-	37.75	33.45	M4
2.787	2.787	(1.382)	175069	5.00000	4.70	87.08-	130.62	117.32	M4
2.883	2.883	(1.430)	103982	5.00000	4.89	51.80-	77.70	69.68	M4
2.927	2.927	(1.451)	442745	5.00000	4.73	220.17-	330.26	296.71	M4
Average of Peak Amounts =					4.90800				

10 Aroclor 1254					CAS #: 11097-69-1				
4.410	4.410	(2.186)	792285	5.00000	4.36	80.00-	120.00	100.00(M)	M4
4.560	4.560	(2.261)	781026	5.00000	4.89	75.96-	113.93	98.58	M4
4.910	4.910	(2.434)	1156348	5.00000	5.00	110.76-	166.14	145.95	M4
5.203	5.203	(2.580)	589835	5.00000	4.85	57.95-	86.93	74.45	M4
5.460	5.460	(2.707)	1194892	5.00000	4.98	115.51-	173.27	150.82	M4
Average of Peak Amounts =					4.81600				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

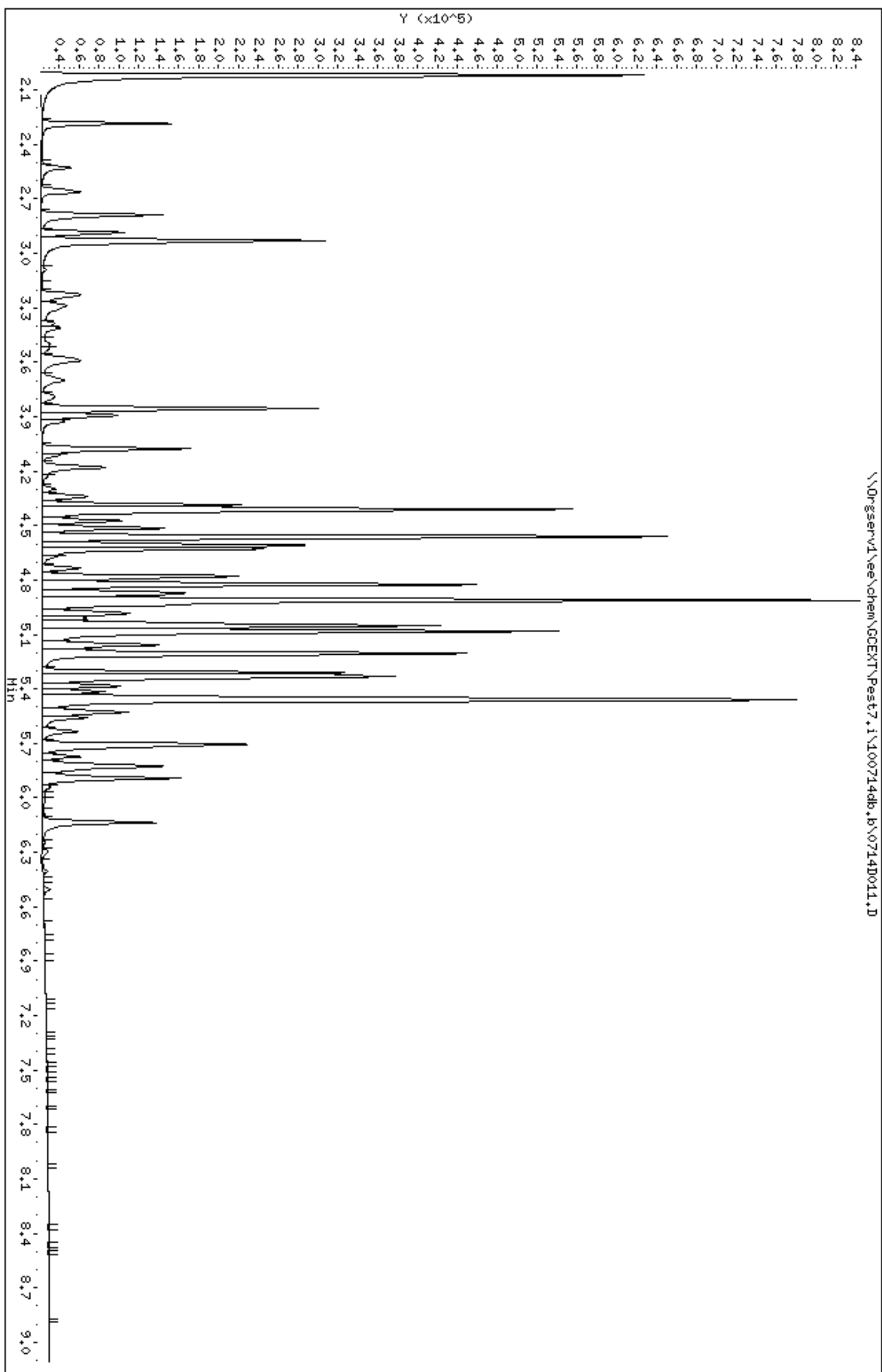
Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D011.D Calibration Time: 12:48
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	864979	432490	1729958	840859	-2.79

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.11

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeerv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D011.D
 Date : 14-JUL-2010 13:01
 Client ID:
 Sample Info: 1221/1254 14
 Column phase: HP-5
 Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D012.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 13:13
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1221/1254 l5
 Misc Info : wg422120,wg421869, ICAL4780
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
 Als bottle: 12 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 2154.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.019	2.019	(1.000)	913755	0.25000					

5 Aroclor 1221					CAS #: 11104-28-2				
2.282	2.282	(1.130)	307424	10.0000	9.00	80.00- 120.00	100.00		
2.525	2.525	(1.251)	104741	10.0000	10.6	25.17- 37.75	34.07		
2.785	2.785	(1.380)	360316	10.0000	8.90	87.08- 130.62	117.20		
2.882	2.882	(1.428)	209897	10.0000	9.08	51.80- 77.70	68.28		
2.929	2.929	(1.451)	892758	10.0000	8.78	220.17- 330.26	290.40		
Average of Peak Amounts =					9.27200				

10 Aroclor 1254					CAS #: 11097-69-1				
4.412	4.412	(2.185)	1488802	10.0000	7.55	80.00- 120.00	100.00		
4.559	4.559	(2.258)	1559878	10.0000	8.99	75.96- 113.93	104.77		
4.909	4.909	(2.431)	2311731	10.0000	9.19	110.76- 166.14	155.27		
5.205	5.205	(2.578)	1152877	10.0000	8.73	57.95- 86.93	77.44		
5.459	5.459	(2.704)	2396446	10.0000	9.20	115.51- 173.27	160.96		
Average of Peak Amounts =					8.73200				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D012.D Calibration Time: 12:48
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

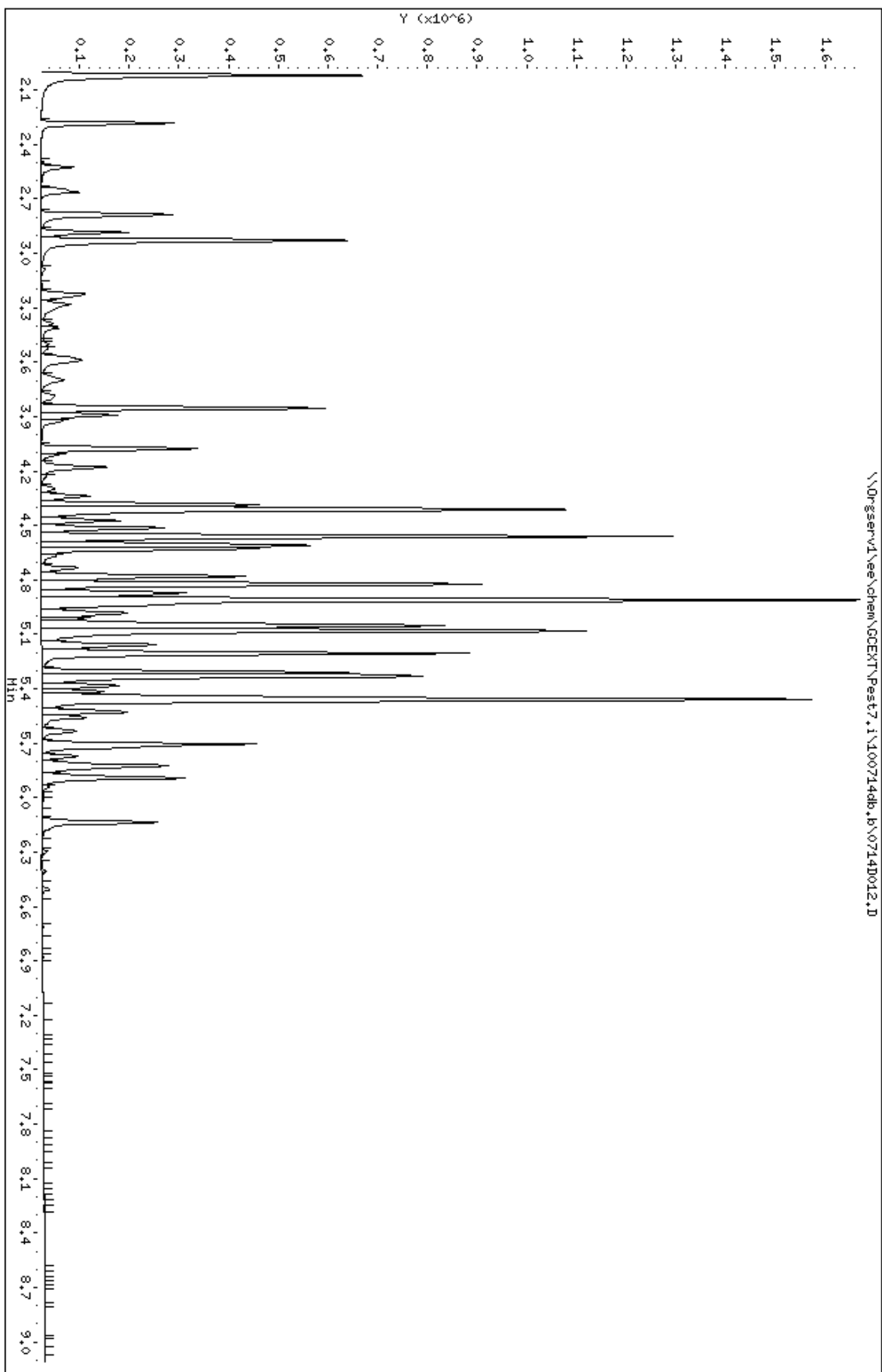
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	864979	432490	1729958	913755	5.64

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeerv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D012.D
 Date : 14-JUL-2010 13:13
 Client ID:
 Sample Info: 1221/1254 15
 Column phase: HP-5

Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D013.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 13:25
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1248 l6
 Misc Info : wg422120,wg421869, ICAL4780
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 15:40 Cal File: 0714D024.D
 Als bottle: 13 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS								
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:			
2.020	2.020	(1.000)	915357	0.25000				

9 Aroclor 1248					CAS #: 12672-29-6			
3.857	3.857	(1.909)	12202	0.10000	0.114	80.00- 120.00	100.00(M)	
4.077	4.077	(2.018)	13924	0.10000	0.112	94.20- 141.31	114.11	
4.393	4.393	(2.175)	12391	0.10000	0.101	95.13- 142.70	101.55	
4.430	4.430	(2.193)	11590	0.10000	0.0783	125.26- 187.88	94.98	
4.610	4.610	(2.282)	20508	0.10000	0.114	135.79- 203.69	168.07	
Average of Peak Amounts =					0.10386			

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D013.D Calibration Time: 12:48
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	864979	432490	1729958	915357	5.82

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	0.04

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeerv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D013.D

Date : 14-JUL-2010 13:25

Client ID:

Sample Info: 1248 16

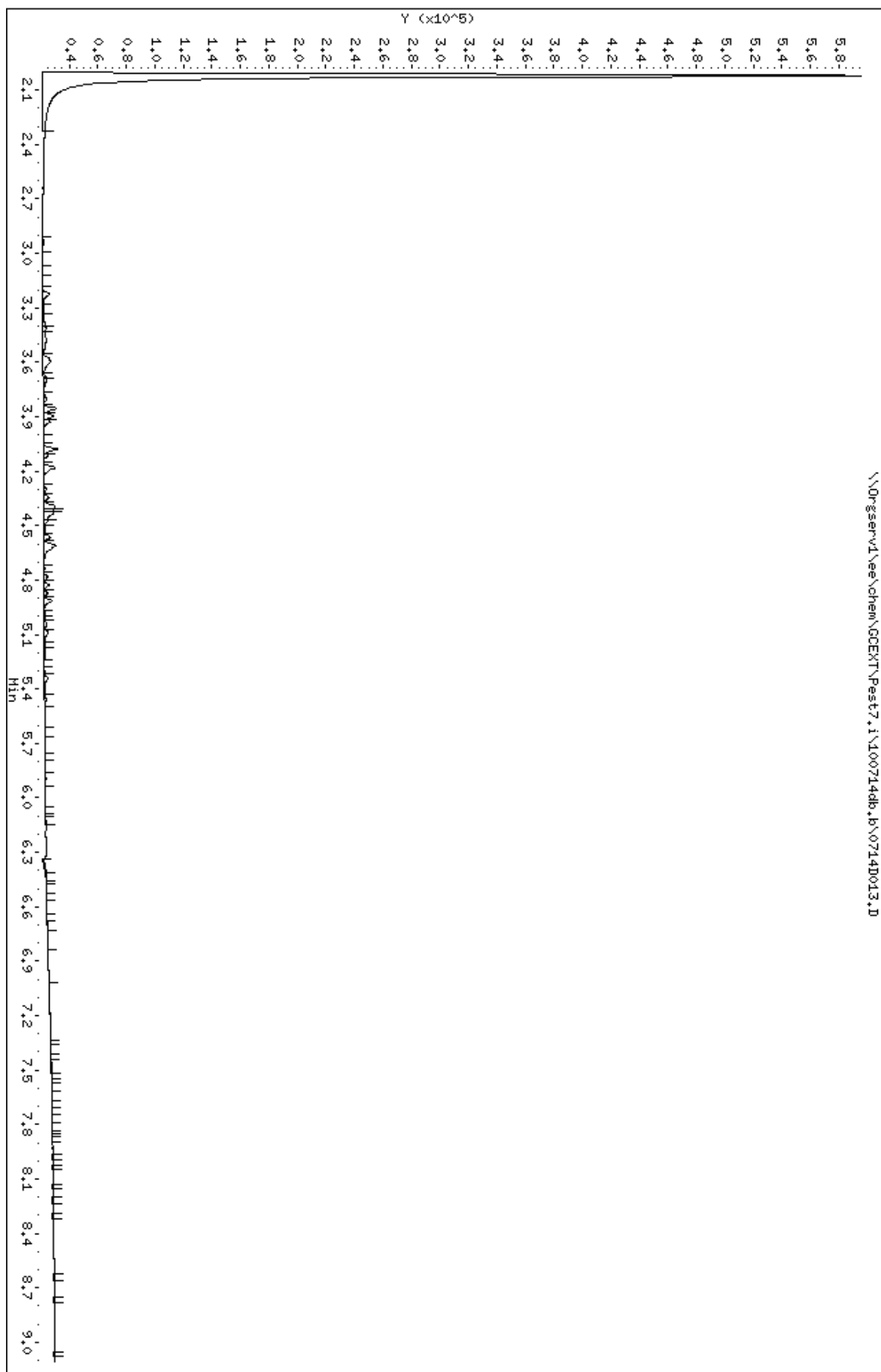
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

Page 3



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D014.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 13:38
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1248 l1
 Misc Info : wg422120,wg421869, ICAL4780
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 14:39 Cal File: 0714D019.D
 Als bottle: 14 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS								
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:			
2.018	2.018	(1.000)	983301	0.25000				

9 Aroclor 1248					CAS #: 12672-29-6			
3.855	3.855	(1.910)	57536	0.50000	0.502	80.00- 120.00	100.00	
4.075	4.075	(2.019)	65139	0.50000	0.488	94.20- 141.31	113.21	
4.388	4.388	(2.174)	58252	0.50000	0.442	95.13- 142.70	101.24	
4.428	4.428	(2.194)	67206	0.50000	0.423	125.26- 187.88	116.81	
4.605	4.605	(2.281)	94912	0.50000	0.490	135.79- 203.69	164.96	
Average of Peak Amounts =					0.46900			

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D014.D Calibration Time: 12:48
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	864979	432490	1729958	983301	13.68

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D014.D

Date : 14-JUL-2010 13:38

Client ID:

Sample Info: 1248 11

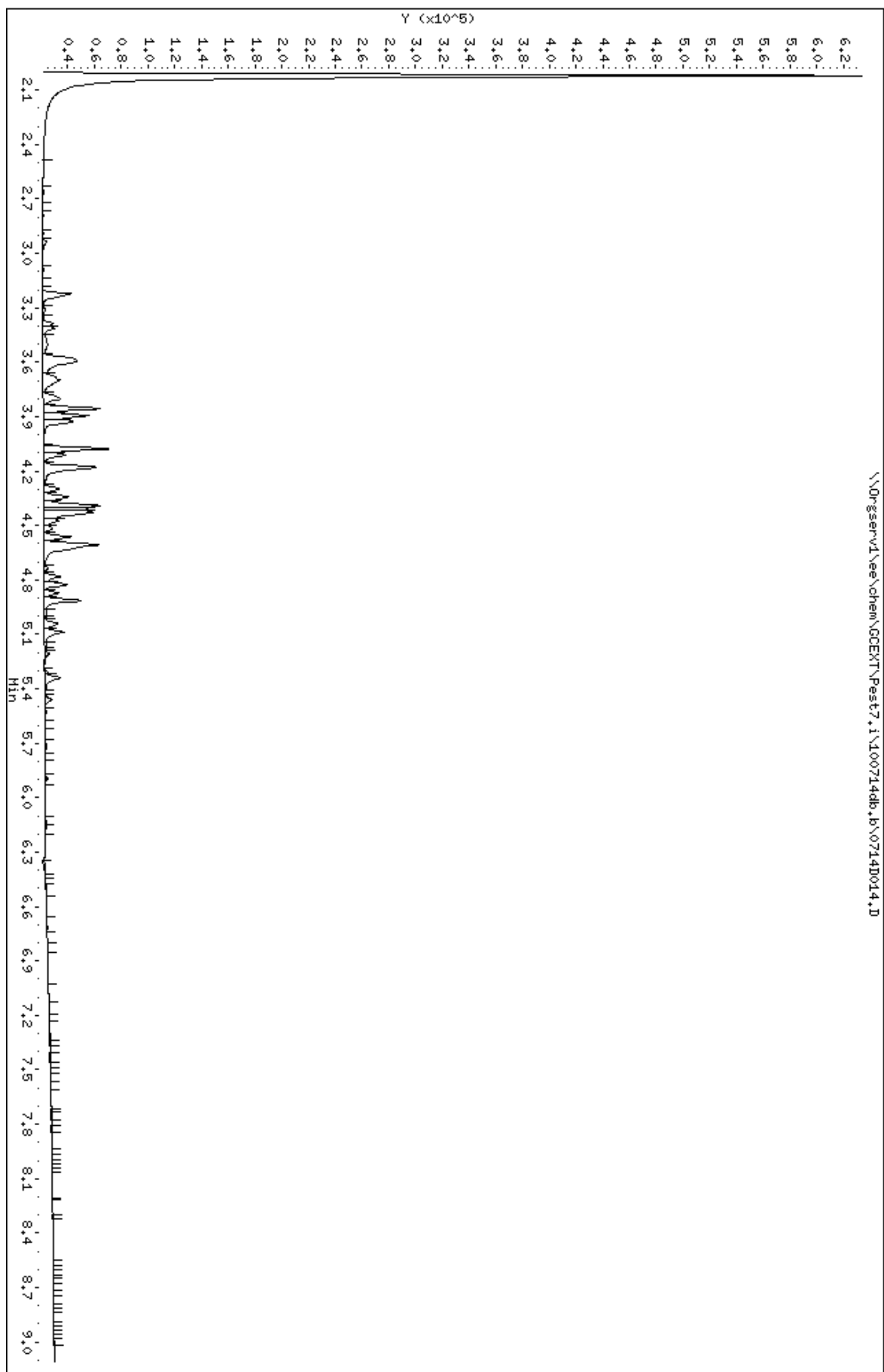
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

Page 3



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D015.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 13:50
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1248 l2
 Misc Info : wg422120,wg421869, ICAL4780
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 13:38 Cal File: 0714D014.D
 Als bottle: 15 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS								
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:			
2.018	2.018	(1.000)	926001	0.25000				

9 Aroclor 1248					CAS #: 12672-29-6			
3.855	3.855	(1.910)	102070	1.00000	0.946	80.00- 120.00	100.00	
4.078	4.078	(2.020)	117925	1.00000	0.937	94.20- 141.31	115.53	
4.388	4.388	(2.174)	110455	1.00000	0.891	95.13- 142.70	108.21	
4.425	4.425	(2.192)	166323	1.00000	1.11	125.26- 187.88	162.95	
4.605	4.605	(2.281)	172158	1.00000	0.943	135.79- 203.69	168.67	
Average of Peak Amounts =					0.96540			

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D015.D Calibration Time: 12:48
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	864979	432490	1729958	926001	7.05

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D015.D

Date : 14-JUL-2010 13:50

Client ID:

Sample Info: 1248 12

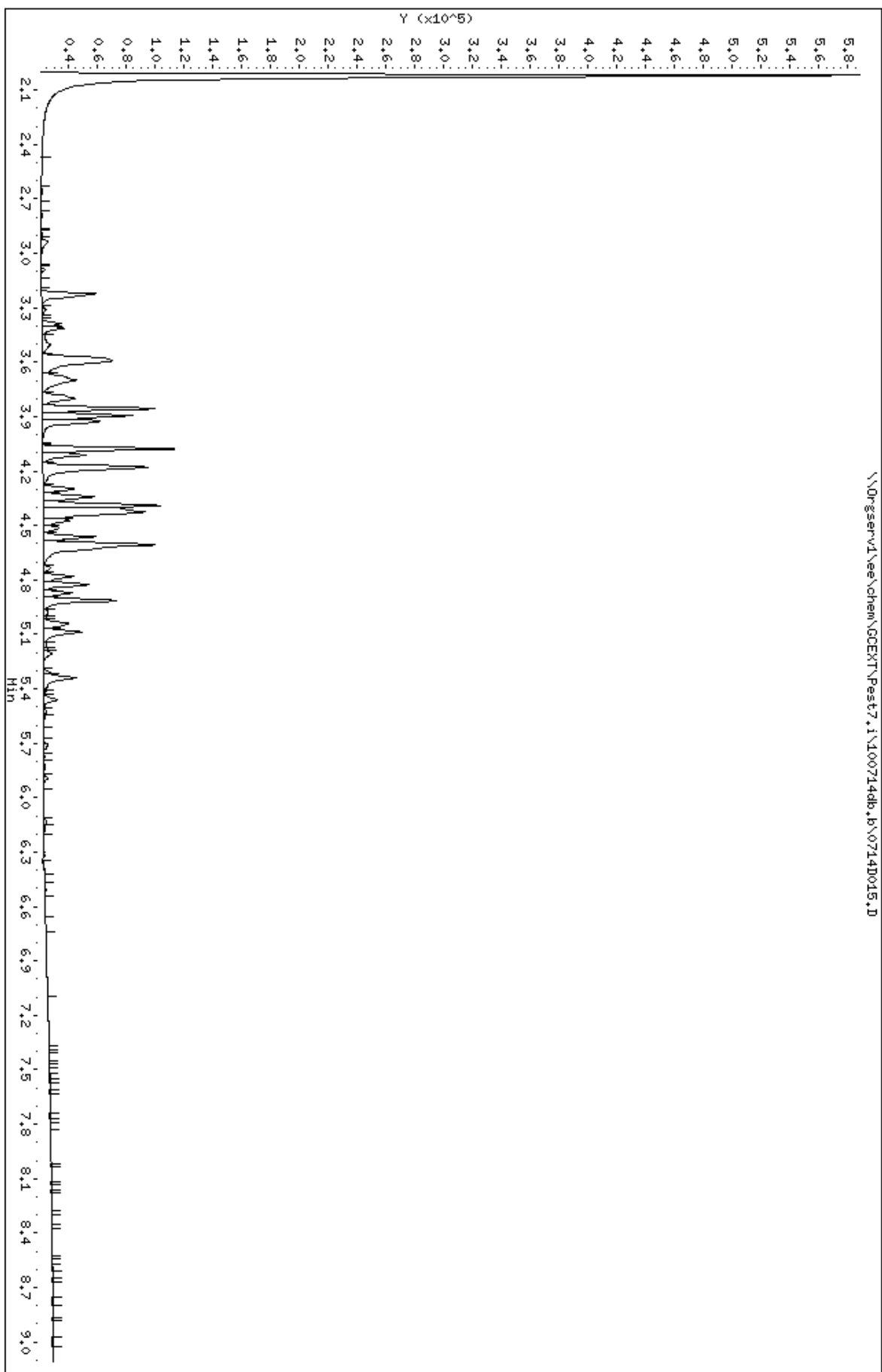
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D016.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 14:02
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1248 l3
 Misc Info : wg422120,wg421869, ICAL4780
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 15:04 Cal File: 0714D021.D
 Als bottle: 16 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS								
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:			
2.018	2.018	(1.000)	908859	0.25000				

9 Aroclor 1248					CAS #: 12672-29-6			
3.855	3.855	(1.910)	261460	2.50000	2.47	80.00- 120.00	100.00	
4.075	4.075	(2.019)	307882	2.50000	2.49	94.20- 141.31	117.75	
4.385	4.385	(2.172)	310912	2.50000	2.56	95.13- 142.70	118.91	
4.422	4.422	(2.190)	409369	2.50000	2.79	125.26- 187.88	156.57	
4.605	4.605	(2.281)	443808	2.50000	2.48	135.79- 203.69	169.74	
Average of Peak Amounts =				2.55800				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D016.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Misc Info: wg422120, wg421869, ICAL4780

Calibration Date: 14-JUL-2010
Calibration Time: 14:02
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	908859	454430	1817718	908859	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drivesrv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D016.D

Date : 14-JUL-2010 14:02

Client ID:

Sample Info: 1248 13

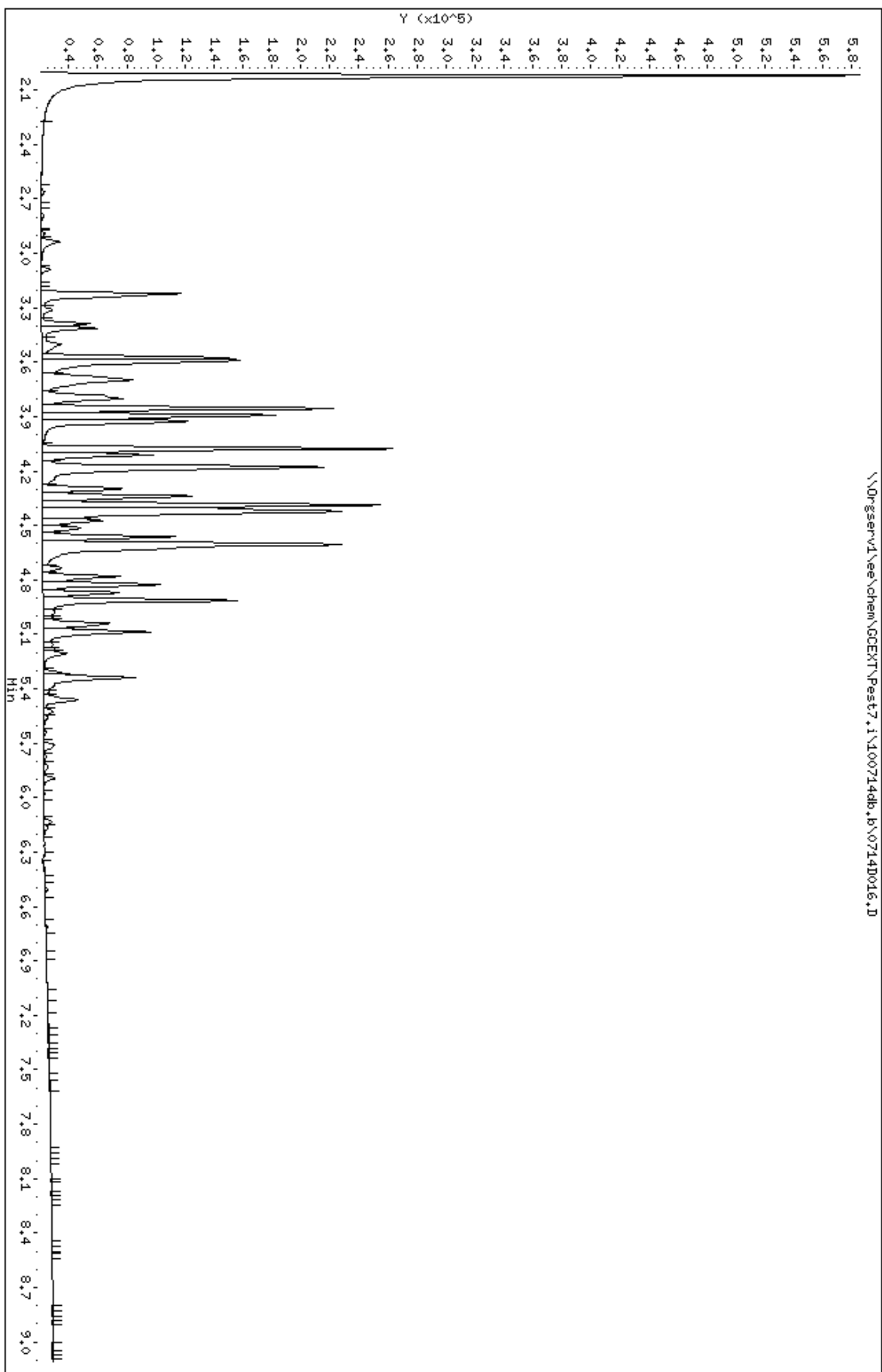
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D017.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 14:14
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1248 l4
 Misc Info : wg422120,wg421869, ICAL4780
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 15:16 Cal File: 0714D022.D
 Als bottle: 17 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.018	2.018	(1.000)	885334	0.25000					

9 Aroclor 1248					CAS #: 12672-29-6				
3.851	3.851	(1.908)	511719	5.00000	4.96	80.00- 120.00	100.00		
4.075	4.075	(2.019)	608778	5.00000	5.06	94.20- 141.31	118.97		
4.385	4.385	(2.172)	649767	5.00000	5.48	95.13- 142.70	126.98		
4.421	4.421	(2.191)	786549	5.00000	5.50	125.26- 187.88	153.71		
4.601	4.601	(2.280)	869078	5.00000	4.98	135.79- 203.69	169.84		
Average of Peak Amounts =					5.19600				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D017.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 14-JUL-2010
 Calibration Time: 14:02
 Level:
 Sample Type:

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	908859	454430	1817718	885334	-2.59

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D017.D

Date : 14-JUL-2010 14:14

Client ID:

Sample Info: 1248 14

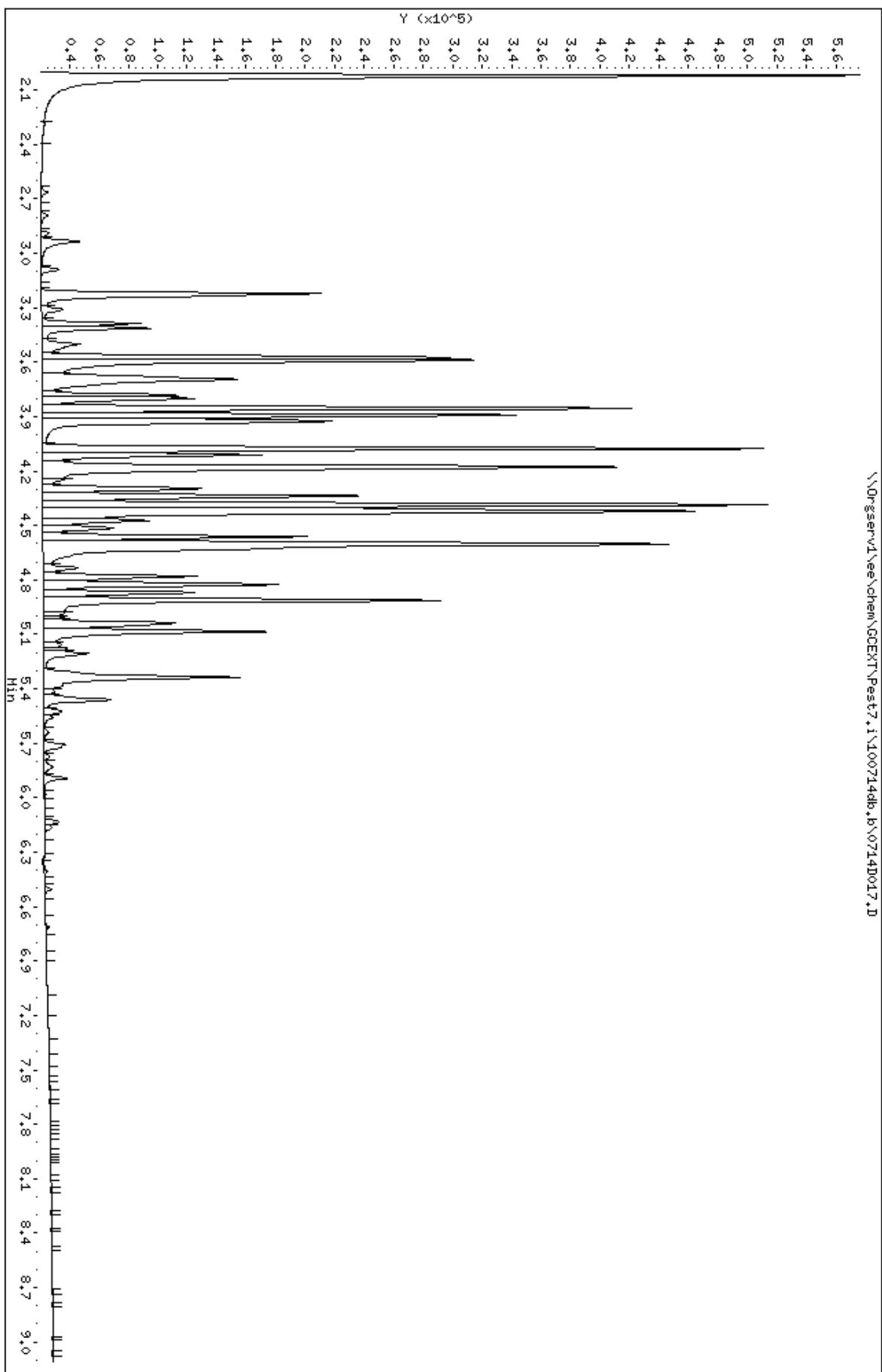
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D018.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 14:27
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1248 l5
 Misc Info : wg422120,wg421869, ICAL4780
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
 Als bottle: 18 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1248.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS								
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:			
2.018	2.018	(1.000)	898550	0.25000				

9 Aroclor 1248					CAS #: 12672-29-6			
3.851	3.851	(1.908)	971325	10.0000	9.27	80.00- 120.00	100.00	
4.075	4.075	(2.019)	1169159	10.0000	9.58	94.20- 141.31	120.37	
4.381	4.381	(2.171)	1316034	10.0000	10.9	95.13- 142.70	135.49	
4.418	4.418	(2.189)	1518091	10.0000	10.4	125.26- 187.88	156.29	
4.601	4.601	(2.280)	1691977	10.0000	9.55	135.79- 203.69	174.19	
Average of Peak Amounts =					9.94000			

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D018.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 14-JUL-2010
 Calibration Time: 14:02
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	908859	454430	1817718	898550	-1.13

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeervl\ee\chem\GCEXT\Pest7.i\100714db.b\0714D018.D

Date : 14-JUL-2010 14:27

Client ID:

Sample Info: 1248 15

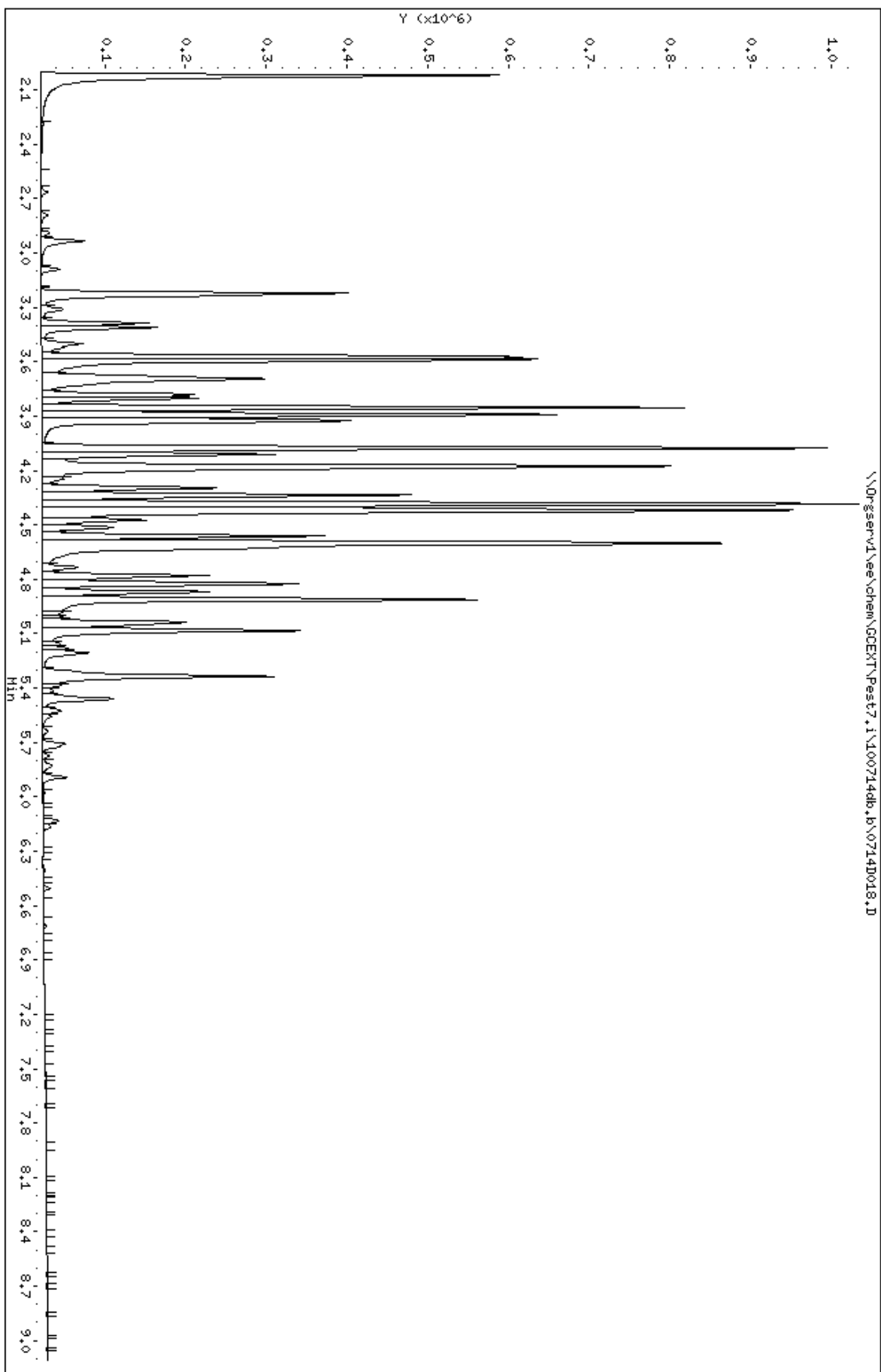
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D019.D

Lab Smp Id:

Inj Date : 14-JUL-2010 14:39

Operator : jb

Inst ID: Pest7.i

Smp Info : 1242/1268 l6

Misc Info : wg422120,wg421869, ICAL4780

Comment :

Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m

Meth Date : 30-Jul-2010 10:54 Pest7.i

Quant Type: ISTD

Cal Date : 14-JUL-2010 15:40

Cal File: 0714D024.D

Als bottle: 19

Calibration Sample, Level: 6

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 4268cal.sub

Target Version: 4.12

Sample Matrix: None

Processing Host: KRISTINF

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.020	2.020	(1.000)	891379	0.25000					

7 Aroclor 1242					CAS #: 53469-21-9				
3.223	3.223	(1.596)	14701	0.10000	0.116	80.00-	120.00	100.00	
3.596	3.596	(1.780)	24966	0.10000	0.105	140.87-	211.31	169.83	
3.703	3.703	(1.833)	12859	0.10000	0.119	59.46-	89.20	87.47	
4.080	4.080	(2.020)	8427	0.10000	0.109	43.47-	65.20	57.32	
4.180	4.180	(2.069)	10206	0.10000	0.103	58.91-	88.37	69.42	
Average of Peak Amounts =					0.11040				

13 Aroclor 1268					CAS #:				
6.130	6.130	(3.034)	52794	0.10000	0.110	80.00-	120.00	100.00	
6.160	6.160	(3.049)	55338	0.10000	0.111	84.90-	127.36	104.82	
6.326	6.326	(3.132)	33105	0.10000	0.108	51.41-	77.12	62.71	
6.506	6.506	(3.221)	16509	0.10000	0.109	25.02-	37.53	31.27	
6.713	6.713	(3.323)	91369	0.10000	0.108	144.37-	216.55	173.07	
Average of Peak Amounts =					0.10920				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D019.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 14-JUL-2010
Calibration Time: 14:02
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	908859	454430	1817718	891379	-1.92

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgerw1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D019.D

Date : 14-JUL-2010 14:39

Client ID:

Sample Info: 1242/1268 16

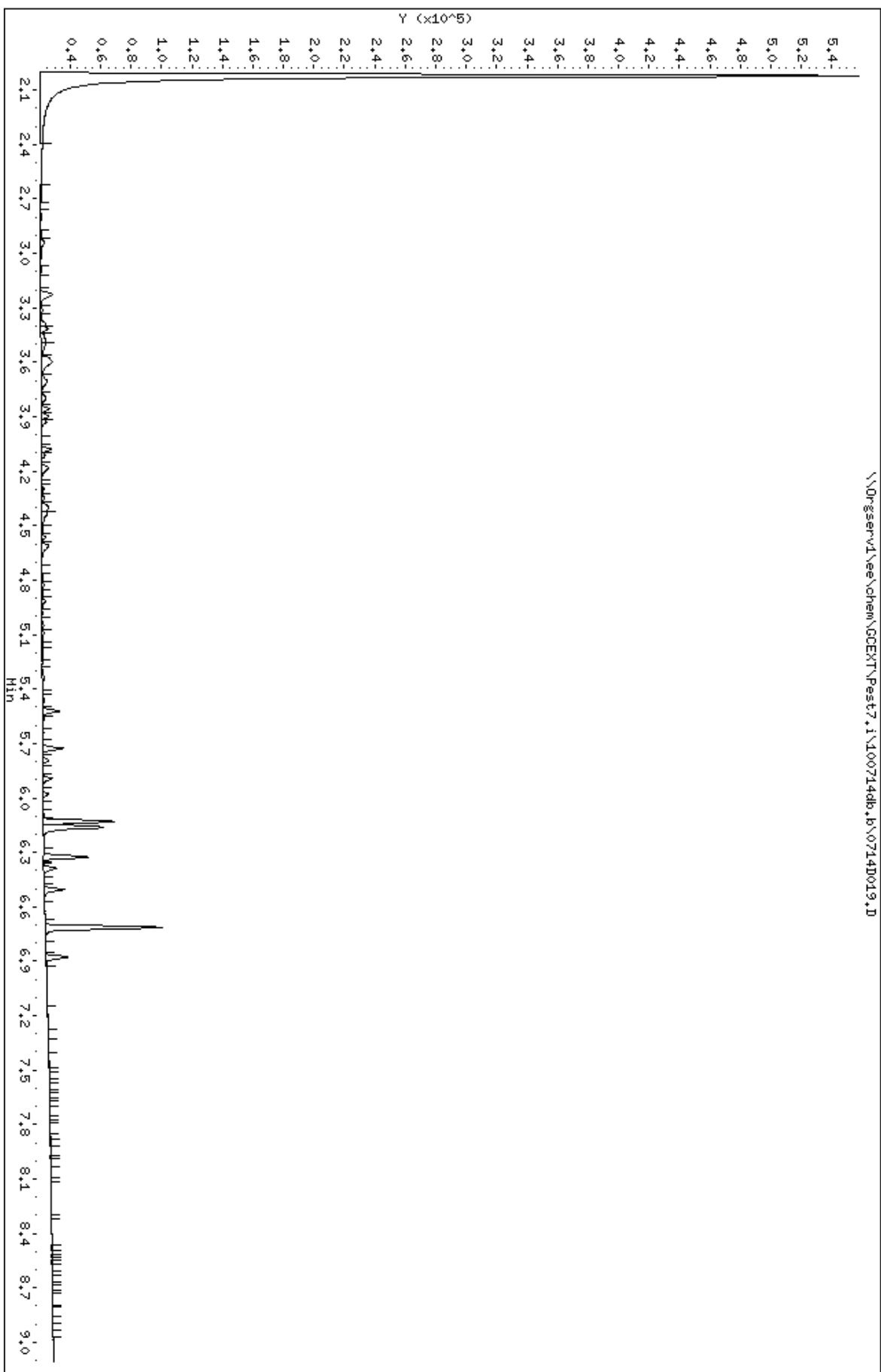
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D020.D

Lab Smp Id:

Inj Date : 14-JUL-2010 14:51

Operator : jb

Inst ID: Pest7.i

Smp Info : 1242/1268 l1

Misc Info : wg422120,wg421869, ICAL4780

Comment :

Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m

Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD

Cal Date : 14-JUL-2010 14:39

Cal File: 0714D019.D

Als bottle: 20

Calibration Sample, Level: 1

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 4268cal.sub

Target Version: 4.12

Sample Matrix: None

Processing Host: KRISTINF

AMOUNTS									
			CAL-AMT		ON-COL				
RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	

* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.021	2.021	(1.000)	846341	0.25000					

7 Aroclor 1242					CAS #: 53469-21-9				
3.224	3.224	(1.595)	61617	0.50000	0.511	80.00-	120.00	100.00	
3.594	3.594	(1.778)	109177	0.50000	0.484	140.87-	211.31	177.19	
3.701	3.701	(1.831)	54704	0.50000	0.532	59.46-	89.20	88.78	
4.078	4.078	(2.017)	36335	0.50000	0.494	43.47-	65.20	58.97	
4.181	4.181	(2.069)	50118	0.50000	0.533	58.91-	88.37	81.34	
Average of Peak Amounts =					0.51080				

13 Aroclor 1268					CAS #:				
6.128	6.128	(3.032)	218905	0.50000	0.479	80.00-	120.00	100.00	
6.161	6.161	(3.048)	234770	0.50000	0.494	84.90-	127.36	107.25	
6.324	6.324	(3.129)	138964	0.50000	0.479	51.41-	77.12	63.48	
6.504	6.504	(3.218)	69974	0.50000	0.487	25.02-	37.53	31.97	
6.711	6.711	(3.320)	393974	0.50000	0.489	144.37-	216.55	179.97	
Average of Peak Amounts =					0.48560				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D020.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 14-JUL-2010
 Calibration Time: 14:02
 Level:
 Sample Type:

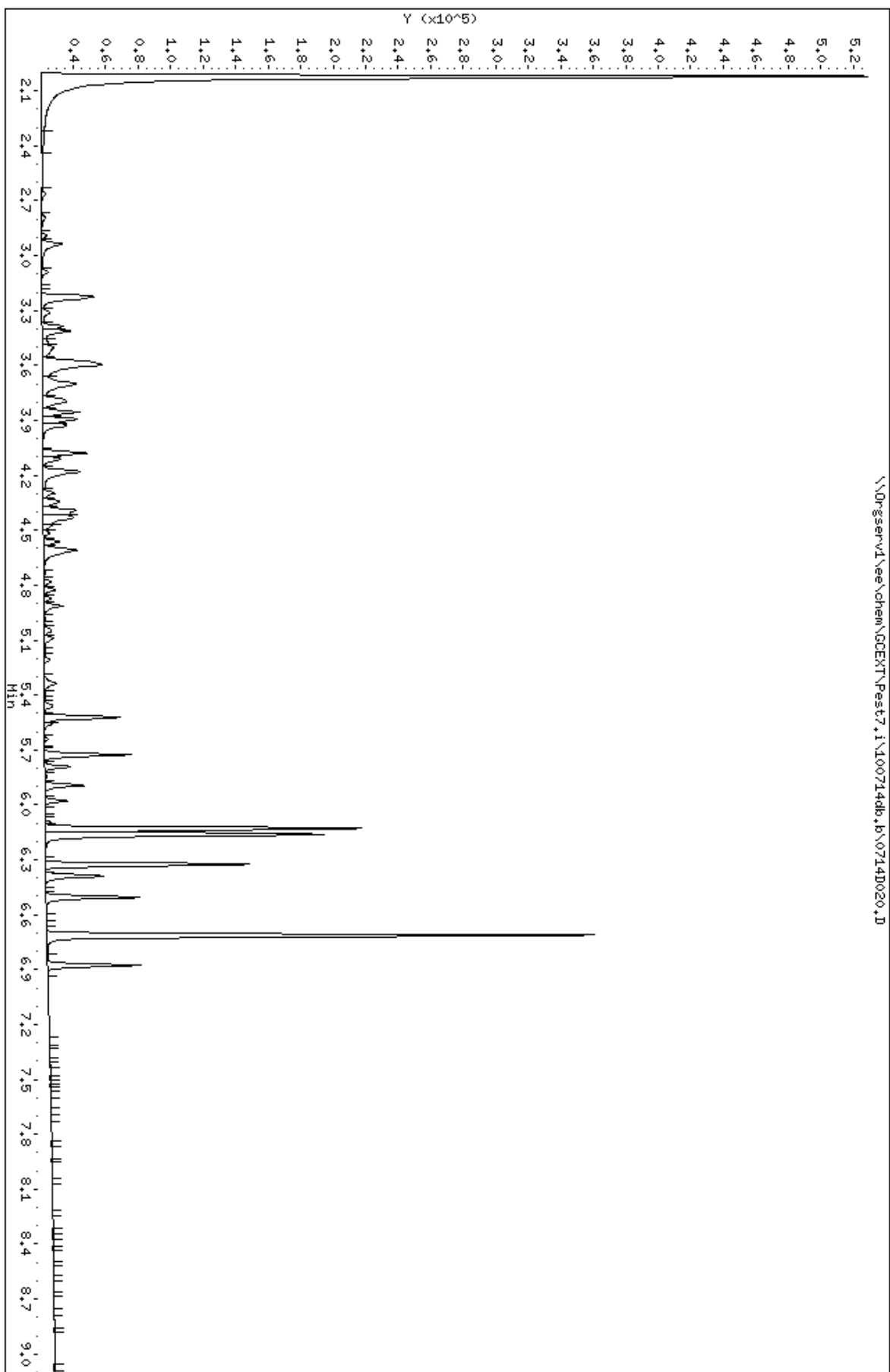
COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	908859	454430	1817718	846341	-6.88

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	0.13

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714db.b\0714020.D
Date : 14-JUL-2010 14:51
Client ID:
Sample Info: 1242/1268 11
Column phase: HP-5

Instrument: Pest7.i
Operator: jlb
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D021.D

Lab Smp Id:

Inj Date : 14-JUL-2010 15:04

Operator : jb

Inst ID: Pest7.i

Smp Info : 1242/1268 l2

Misc Info : wg422120,wg421869, ICAL4780

Comment :

Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m

Meth Date : 30-Jul-2010 10:54 Pest7.i

Quant Type: ISTD

Cal Date : 14-JUL-2010 13:38

Cal File: 0714D014.D

Als bottle: 21

Calibration Sample, Level: 2

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 4268cal.sub

Target Version: 4.12

Sample Matrix: None

Processing Host: KRISTINF

AMOUNTS									
				CAL-AMT		ON-COL			
RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene CAS #:									
2.019	2.019	(1.000)	857100	0.25000					

7 Aroclor 1242					CAS #: 53469-21-9				
3.222	3.222	(1.596)	117954	1.00000	0.966	80.00-	120.00	100.00	
3.592	3.592	(1.779)	217148	1.00000	0.950	140.87-	211.31	184.10	
3.699	3.699	(1.832)	100441	1.00000	0.964	59.46-	89.20	85.15	
4.076	4.076	(2.018)	72188	1.00000	0.969	43.47-	65.20	61.20	
4.179	4.179	(2.070)	91347	1.00000	0.959	58.91-	88.37	77.44	
Average of Peak Amounts =					0.96160				

13 Aroclor 1268					CAS #:				
6.129	6.129	(3.035)	459109	1.00000	0.992	80.00-	120.00	100.00	
6.162	6.162	(3.052)	469929	1.00000	0.977	84.90-	127.36	102.36	
6.326	6.326	(3.133)	287374	1.00000	0.978	51.41-	77.12	62.59	
6.506	6.506	(3.222)	142174	1.00000	0.978	25.02-	37.53	30.97	
6.712	6.712	(3.324)	815117	1.00000	1.000	144.37-	216.55	177.54	
Average of Peak Amounts =					0.98500				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D021.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 14-JUL-2010
 Calibration Time: 14:02
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	908859	454430	1817718	857100	-5.69

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	0.04

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714db.b\0714021.D

Date : 14-JUL-2010 15:04

Client ID:

Sample Info: 1242/1268 12

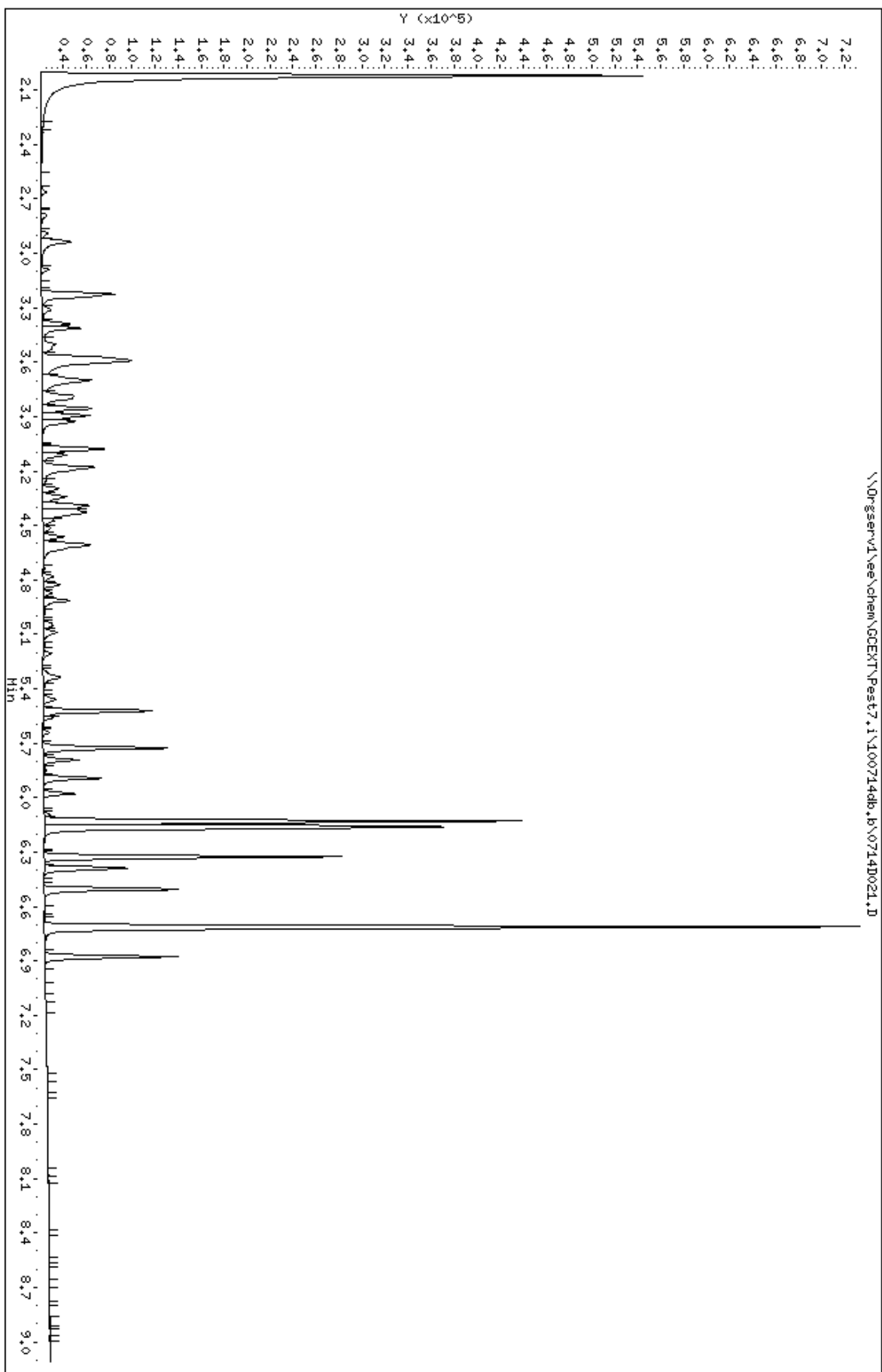
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D022.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 15:16
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1242/1268 l3
 Misc Info : wg422120,wg421869, ICAL4780
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 15:04 Cal File: 0714D021.D
 Als bottle: 22 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 4268cal.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
		CAL-AMT		ON-COL					
RT	EXP RT	REL RT	RESPONSE	(ng)	(ng)	TARGET	RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.021	2.021	(1.000)	837932	0.25000					

7 Aroclor 1242					CAS #: 53469-21-9				
3.224	3.224	(1.595)	289475	2.50000	2.43	80.00-	120.00	100.00	
3.591	3.591	(1.777)	560303	2.50000	2.51	154.85-	232.27	193.56	
3.697	3.697	(1.830)	244527	2.50000	2.40	67.58-	101.37	84.47	
4.077	4.077	(2.018)	179131	2.50000	2.46	49.51-	74.26	61.88	
4.177	4.177	(2.067)	234838	2.50000	2.52	64.90-	97.35	81.13	
Average of Peak Amounts =					2.46400				

13 Aroclor 1268					CAS #:				
6.127	6.127	(3.032)	1124877	2.50000	2.49	80.00-	120.00	100.00	
6.161	6.161	(3.048)	1193838	2.50000	2.54	84.90-	127.36	106.13	
6.324	6.324	(3.129)	722919	2.50000	2.52	51.41-	77.12	64.27	
6.504	6.504	(3.218)	351839	2.50000	2.48	25.02-	37.53	31.28	
6.711	6.711	(3.321)	2029911	2.50000	2.55	144.37-	216.55	180.46	
Average of Peak Amounts =					2.51600				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i Calibration Date: 14-JUL-2010
 Lab File ID: 0714D022.D Calibration Time: 15:16
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

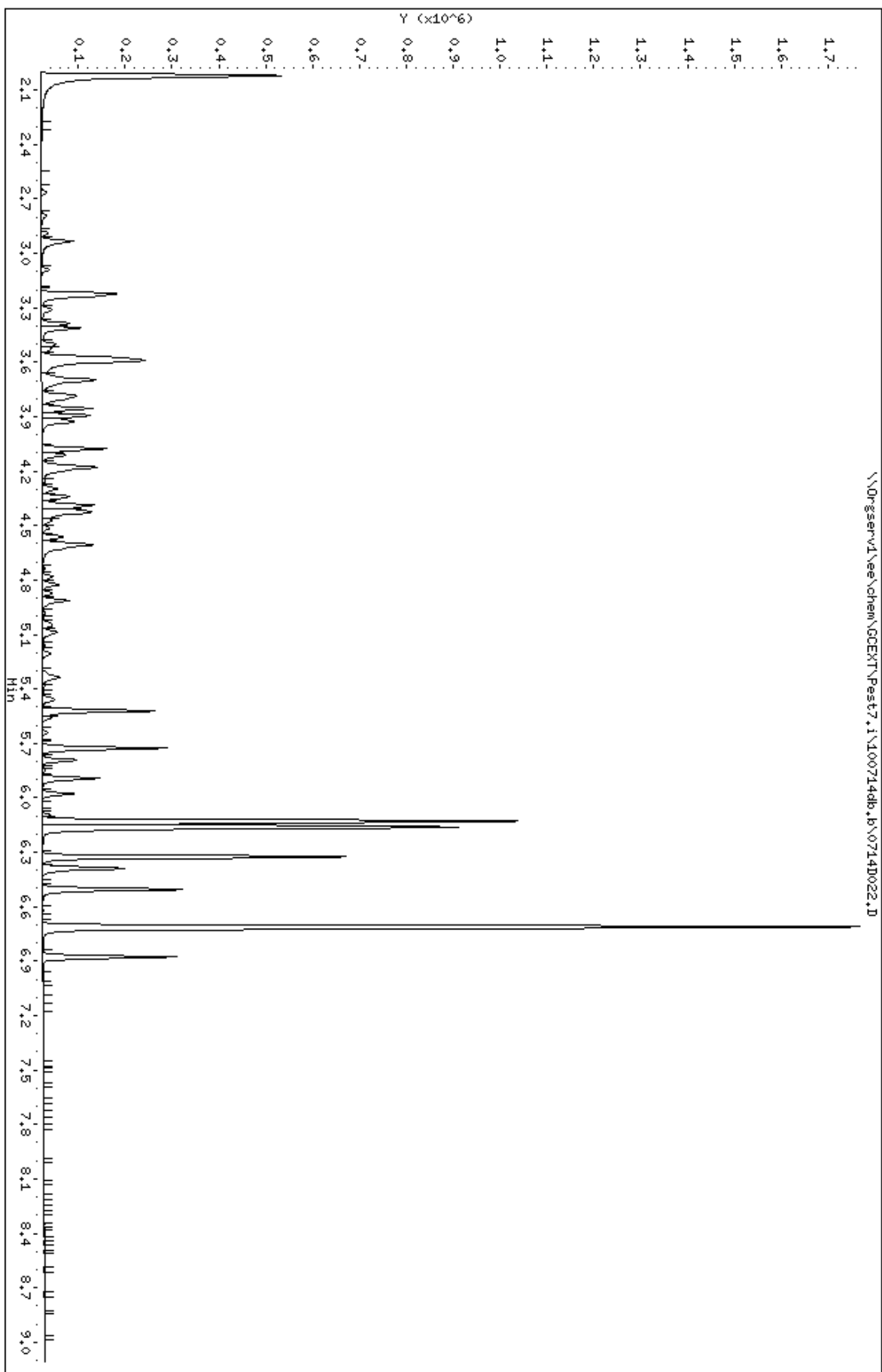
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	837932	418966	1675864	837932	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drghserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D022.D
 Date : 14-JUL-2010 15:16
 Client ID:
 Sample Info: 1242/1268 13
 Column phase: HP-5

Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D023.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 15:28
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1242/1268 l4
 Misc Info : wg422120,wg421869, ICAL4780
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 15:16 Cal File: 0714D022.D
 Als bottle: 23 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 4268cal.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW	CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.019	2.019	(1.000)	854526	0.25000					

7 Aroclor 1242					CAS #: 53469-21-9				
3.222	3.222	(1.596)	580277	5.00000	4.77	80.00- 120.00	100.00		
3.585	3.585	(1.776)	1161588	5.00000	5.10	154.85- 232.27	200.18		
3.695	3.695	(1.830)	483665	5.00000	4.66	67.58- 101.37	83.35		
4.075	4.075	(2.019)	371843	5.00000	5.01	49.51- 74.26	64.08		
4.179	4.179	(2.070)	481120	5.00000	5.07	64.90- 97.35	82.91		
Average of Peak Amounts =					4.92200				

13 Aroclor 1268					CAS #:				
6.129	6.129	(3.036)	2306097	5.00000	5.00	80.00- 120.00	100.00		
6.159	6.159	(3.050)	2346383	5.00000	4.90	84.90- 127.36	101.75		
6.325	6.325	(3.133)	1467173	5.00000	5.01	51.41- 77.12	63.62		
6.505	6.505	(3.222)	717747	5.00000	4.95	25.02- 37.53	31.12		
6.712	6.712	(3.325)	4038220	5.00000	4.97	144.37- 216.55	175.11		
Average of Peak Amounts =					4.96600				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D023.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 14-JUL-2010
 Calibration Time: 15:16
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	837932	418966	1675864	854526	1.98

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.10

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeerv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714023.D

Date : 14-JUL-2010 15:28

Client ID:

Sample Info: 1242/1268 14

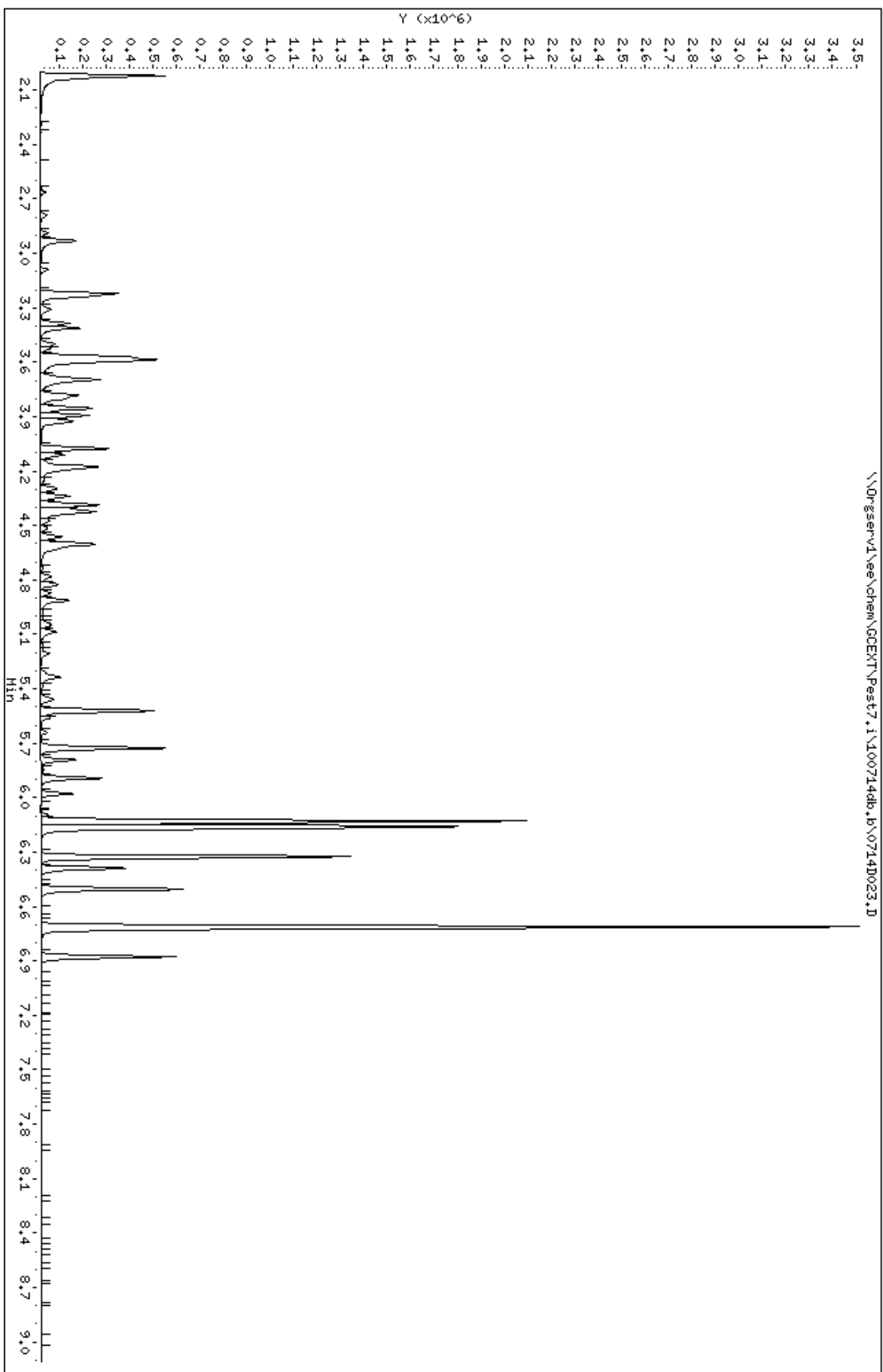
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D024.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 15:40
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1242/1268 l5
 Misc Info : wg422120,wg421869, ICAL4780
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
 Als bottle: 24 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 4268cal.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.019	2.019	(1.000)	857909	0.25000					

7 Aroclor 1242					CAS #: 53469-21-9				
3.222	3.222	(1.596)	1133364	10.0000	9.28	80.00- 120.00	100.00		
3.586	3.586	(1.776)	2309613	10.0000	10.1	154.85- 232.27	203.78		
3.692	3.692	(1.829)	932401	10.0000	8.94	67.58- 101.37	82.27		
4.076	4.076	(2.018)	721909	10.0000	9.68	49.51- 74.26	63.70		
4.176	4.176	(2.068)	877431	10.0000	9.21	64.90- 97.35	77.42		
Average of Peak Amounts =					9.44200				

13 Aroclor 1268					CAS #:				
6.129	6.129	(3.035)	4443396	10.0000	9.59	80.00- 120.00	100.00		
6.159	6.159	(3.050)	4483918	10.0000	9.32	84.90- 127.36	100.91		
6.326	6.326	(3.133)	2865335	10.0000	9.74	51.41- 77.12	64.49		
6.502	6.502	(3.220)	1419624	10.0000	9.75	25.02- 37.53	31.95		
6.712	6.712	(3.324)	7596316	10.0000	9.31	144.37- 216.55	170.96		
Average of Peak Amounts =					9.54200				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D024.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 14-JUL-2010
 Calibration Time: 15:16
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	837932	418966	1675864	857909	2.38

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.08

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drghserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D024.D

Date : 14-JUL-2010 15:40

Client ID:

Sample Info: 1242/1268 15

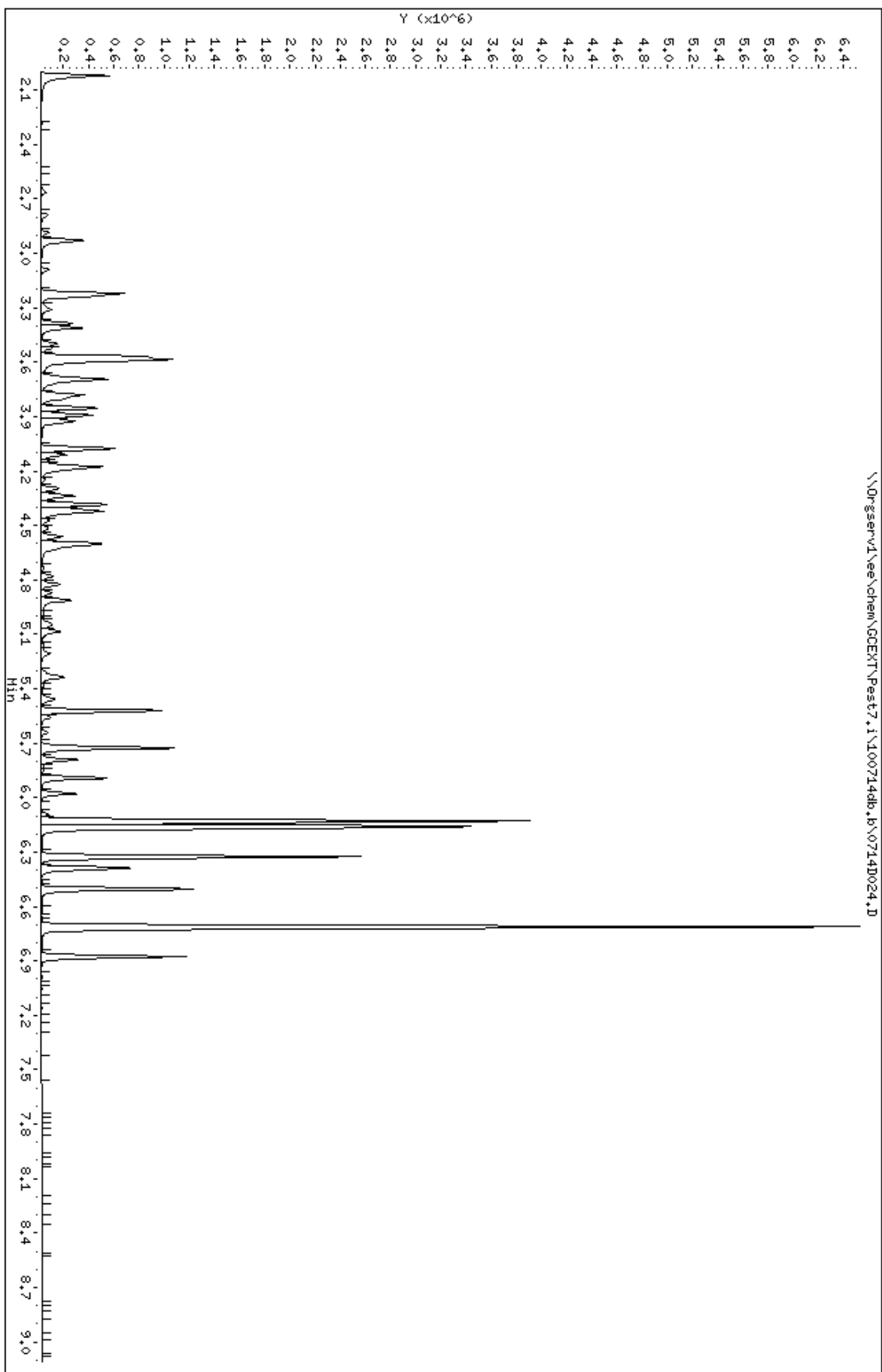
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D025.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 15:53
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1262 l4
 Misc Info : wg422120,wg421869, ICAL4780
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 15:40 Cal File: 0714D024.D
 Als bottle: 25 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1262.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.020	2.020	(1.000)	927427	0.25000					

12 Aroclor 1262					CAS #:				
5.520	5.520	(2.699)	1181997	5.00000	5.00	0.00-	0.00	100.00(M)	
5.724	5.724	(2.833)	1109184	5.00000	5.00	0.00-	0.00	93.84	
5.890	5.890	(3.016)	2000740	5.00000	5.00	0.00-	0.00	169.27	
6.130	6.130	(3.131)	1429517	5.00000	5.00	0.00-	0.00	120.94	
6.164	6.164	(3.169)	885191	5.00000	5.00	0.00-	0.00	74.89	
Average of Peak Amounts =					5.00000				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D025.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 14-JUL-2010
 Calibration Time: 15:16
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	837932	418966	1675864	927427	10.68

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D025.D

Date : 14-JUL-2010 15:53

Client ID:

Sample Info: 1262 14

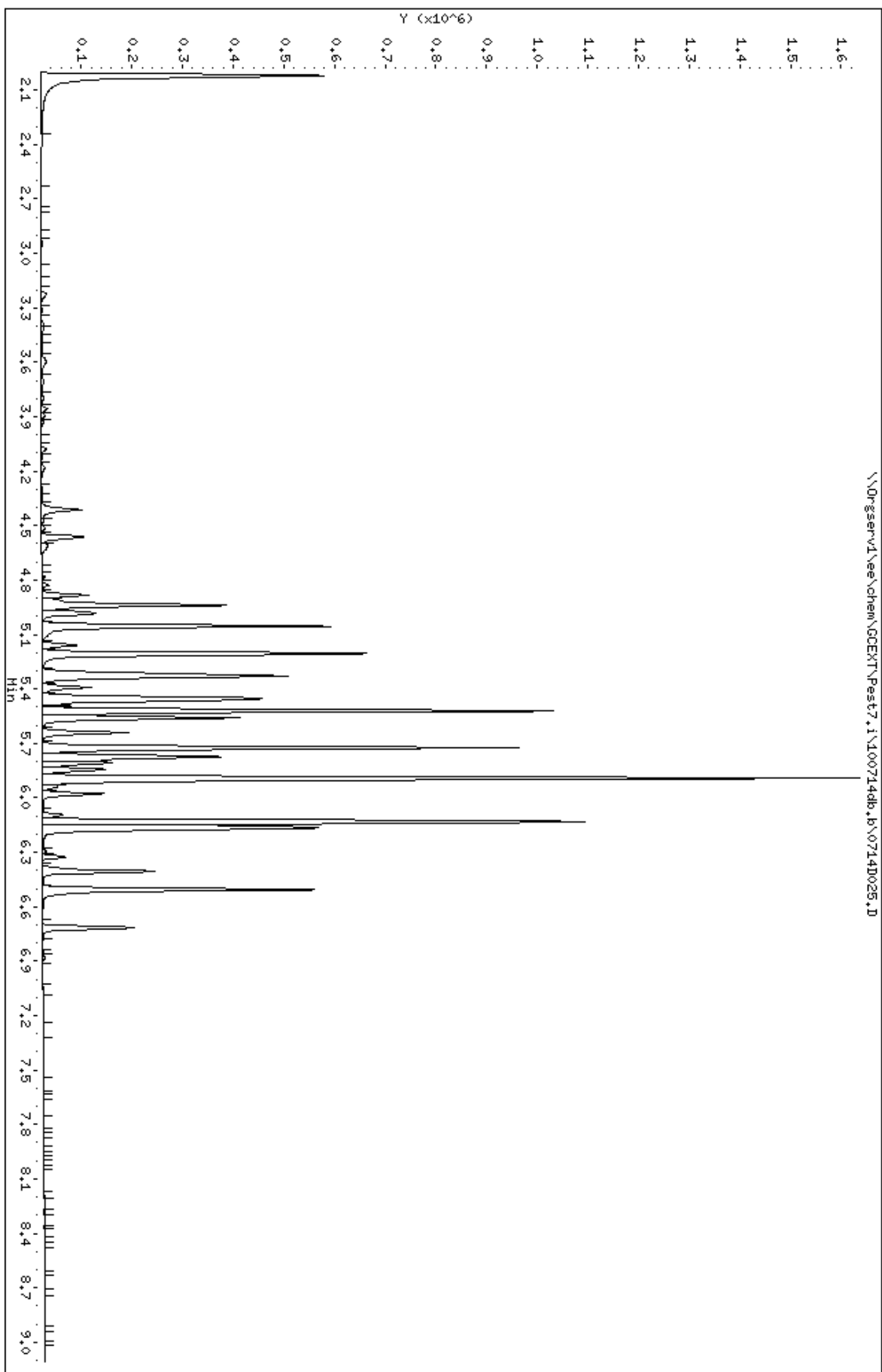
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D026.D
 Lab Smp Id:
 Inj Date : 14-JUL-2010 16:05
 Operator : jb Inst ID: Pest7.i
 Smp Info : 1232 l4
 Misc Info : wg422120, wg421869, ICAL4780
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
 Als bottle: 26 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1232.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.020	2.020	(1.000)	881209	0.25000					

6 Aroclor 1232					CAS #: 11141-16-5				
2.930	2.930	(1.577)	376052	5.00000	5.00	0.00-	0.00	100.00(M)	
3.223	3.223	(1.733)	344905	5.00000	5.00	0.00-	0.00	91.72	
3.587	3.587	(1.907)	668017	5.00000	5.00	0.00-	0.00	177.64	
3.697	3.697	(1.944)	285307	5.00000	5.00	0.00-	0.00	75.87	
4.077	4.077	(2.148)	191350	5.00000	5.00	0.00-	0.00	50.88	
Average of Peak Amounts =					5.00000				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D026.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Misc Info: wg422120, wg421869, ICAL4780

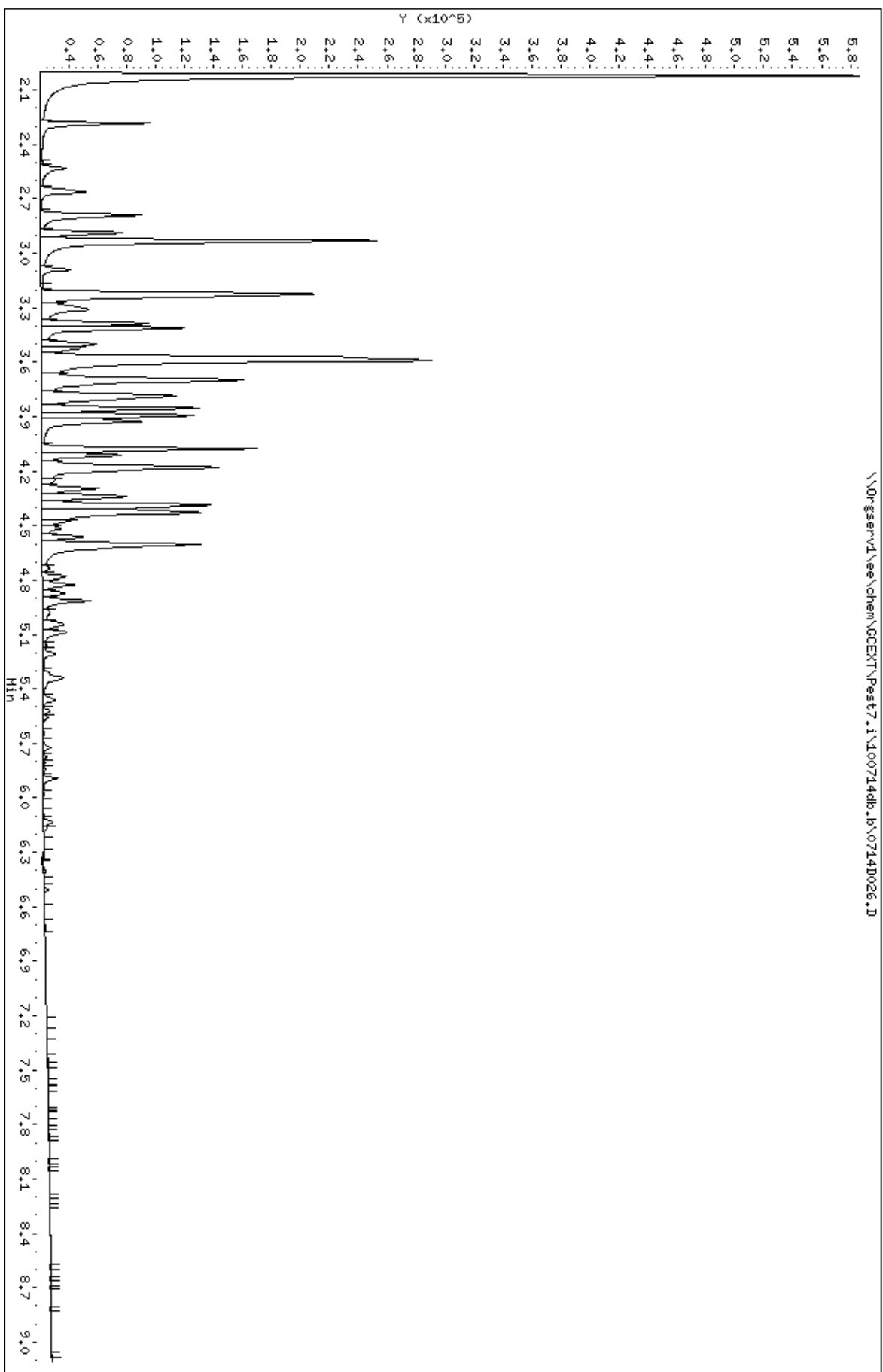
Calibration Date: 14-JUL-2010
Calibration Time: 15:16
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	837932	418966	1675864	881209	5.16

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D026.D
 Date : 14-JUL-2010 16:05
 Client ID:
 Sample Info: 1232 14
 Column phase: HP-5
 Instrument: Pest7.i
 Operator: jlb
 Column diameter: 0.32



Initial Calibration Verification

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest7.i Injection Date: 14-JUL-2010 16:17
 Lab File ID: 0714D027.D Init. Cal. Date(s): 14-JUL-2010 15-JUL-2010
 Analysis Type: Init. Cal. Times: 10:58 10:52
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.13088	2.23368	2.23368	0.100	-4.82447	15.00000	Averaged
2 Decachlorobiphenyl	1.14893	0.73312	0.73312	0.100	36.19047	15.00000	Averaged
4 Aroclor 1016(1)	2.50000	2.61954	0.01974	0.100	-4.78157	15.00000	Linear
(2)	2.50000	2.80344	0.04725	0.100	-12.13760	15.00000	Linear
(3)	2.50000	2.79274	0.09379	0.100	-11.70967	15.00000	Linear
(4)	2.50000	2.91668	0.04019	0.100	-16.66733	15.00000	Linear
(5)	2.50000	2.84813	0.02832	0.100	-13.92518	15.00000	Linear
11 Aroclor 1260(1)	0.05152	0.06094	0.06094	0.100	-18.27699	15.00000	Averaged
(2)	0.06056	0.06952	0.06952	0.100	-14.79767	15.00000	Averaged
(3)	0.04729	0.04958	0.04958	0.100	-4.85673	15.00000	Averaged
(4)	0.09976	0.10129	0.10129	0.100	-1.53270	15.00000	Averaged
(5)	0.06471	0.06955	0.06955	0.100	-7.48545	15.00000	Averaged

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D027.D
Lab Smp Id:
Inj Date : 14-JUL-2010 16:17
Operator : jb Inst ID: Pest7.i
Smp Info : 1016/1260 icv
Misc Info : wg422120,wg421869, ICAL4780
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
Als bottle: 27 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.018	2.018	(1.000)	805821	0.25000					

\$ 1 2,4,5,6-Tetrachloro-m-xylene					CAS #:				
2.598	2.598	(1.287)	287992	0.04000	0.0419				

\$ 2 Decachlorobiphenyl					CAS #:				
6.878	6.878	(3.407)	378091	0.16000	0.102				

4 Aroclor 1016					CAS #: 12674-11-2				
2.932	2.932	(1.452)	159092	2.50000	2.62	80.00- 120.00	100.00		
3.222	3.222	(1.596)	380726	2.50000	2.80	191.45- 287.17	239.31		
3.588	3.588	(1.778)	755770	2.50000	2.79	380.04- 570.06	475.05		
3.695	3.695	(1.830)	323854	2.50000	2.92	162.85- 244.28	203.56		
3.782	3.782	(1.873)	228217	2.50000	2.85	114.76- 172.14	143.45		
Average of Peak Amounts =					2.79600				

11 Aroclor 1260					CAS #: 11096-82-5				
5.052	5.052	(2.502)	491077	2.50000	2.96	80.00- 120.00	100.00		
5.205	5.205	(2.578)	560239	2.50000	2.87	91.27- 136.90	114.08		
5.722	5.722	(2.834)	399558	2.50000	2.62	65.09- 97.64	81.36		
5.892	5.892	(2.919)	816181	2.50000	2.54	132.96- 199.44	166.20		
6.135	6.135	(3.039)	560446	2.50000	2.69	91.30- 136.95	114.13		
Average of Peak Amounts =					2.73600				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D027.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 14-JUL-2010
 Calibration Time: 15:16
 Level:
 Sample Type:

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	837932	418966	1675864	805821	-3.83

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.11

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714db.b\0714027.D

Date : 14-JUL-2010 16:17

Client ID:

Sample Info: 1016/1260 icv

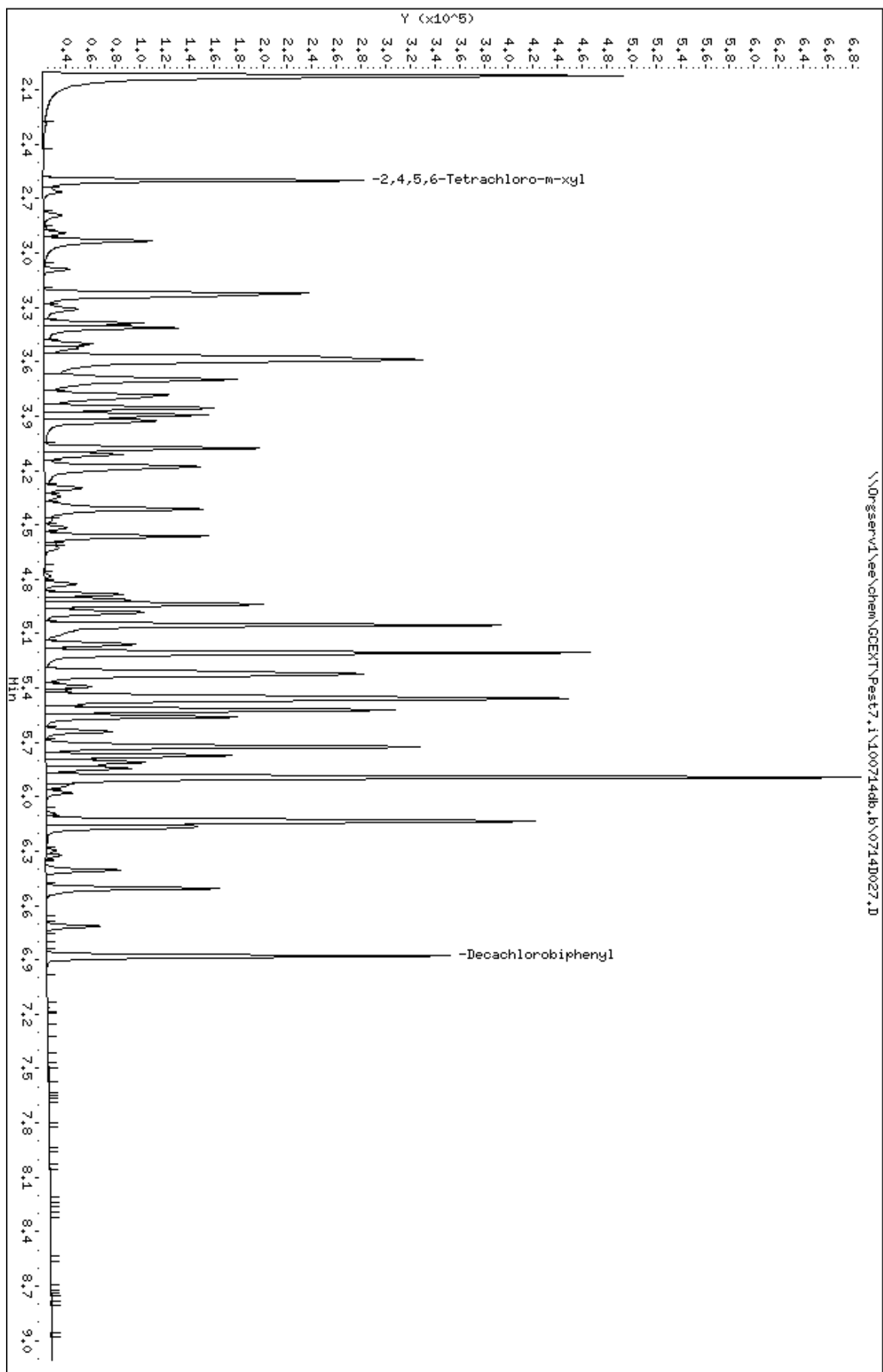
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

Page 3



Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest7.i Injection Date: 14-JUL-2010 16:42
 Lab File ID: 0714D029.D Init. Cal. Date(s): 14-JUL-2010 15-JUL-2010
 Analysis Type: Init. Cal. Times: 10:58 10:52
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.13088	2.13911	2.13911	0.100	-0.38624	15.00000	Averaged
2 Decachlorobiphenyl	1.14893	0.67202	0.67202	0.100	41.50881	15.00000	Averaged<-
9 Aroclor 1248(1)	0.02914	0.02865	0.02865	0.100	1.66960	15.00000	Averaged
(2)	0.03396	0.03385	0.03385	0.100	0.33351	15.00000	Averaged
(3)	0.03347	0.03522	0.03522	0.100	-5.23763	15.00000	Averaged
(4)	0.04041	0.04672	0.04672	0.100	-15.62792	15.00000	Averaged<-
(5)	0.04929	0.05092	0.05092	0.100	-3.29968	15.00000	Averaged

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D029.D
Lab Smp Id:
Inj Date : 14-JUL-2010 16:42
Operator : jb Inst ID: Pest7.i
Smp Info : 1248 icv
Misc Info : wg422120, wg421869, ICAL4780
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
Als bottle: 29 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1248+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.018	2.018	(1.000)	825521	0.25000					

\$ 1 2,4,5,6-Tetrachloro-m-xylene					CAS #:				
2.598	2.598	(1.287)	282541	0.04000	0.0402				

\$ 2 Decachlorobiphenyl					CAS #:				
6.878	6.878	(3.407)	355051	0.16000	0.0936				

9 Aroclor 1248					CAS #: 12672-29-6				
3.852	3.852	(1.908)	236529	2.50000	2.46	80.00-	120.00	100.00	
4.075	4.075	(2.019)	279432	2.50000	2.49	94.51-	141.77	118.14	
4.385	4.385	(2.172)	290750	2.50000	2.63	98.34-	147.51	122.92	
4.422	4.422	(2.190)	385682	2.50000	2.89	130.45-	195.67	163.06	
4.605	4.605	(2.281)	420326	2.50000	2.58	142.16-	213.25	177.71	
Average of Peak Amounts =					2.61000				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D029.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Misc Info: wg422120,wg421869, ICAL4780

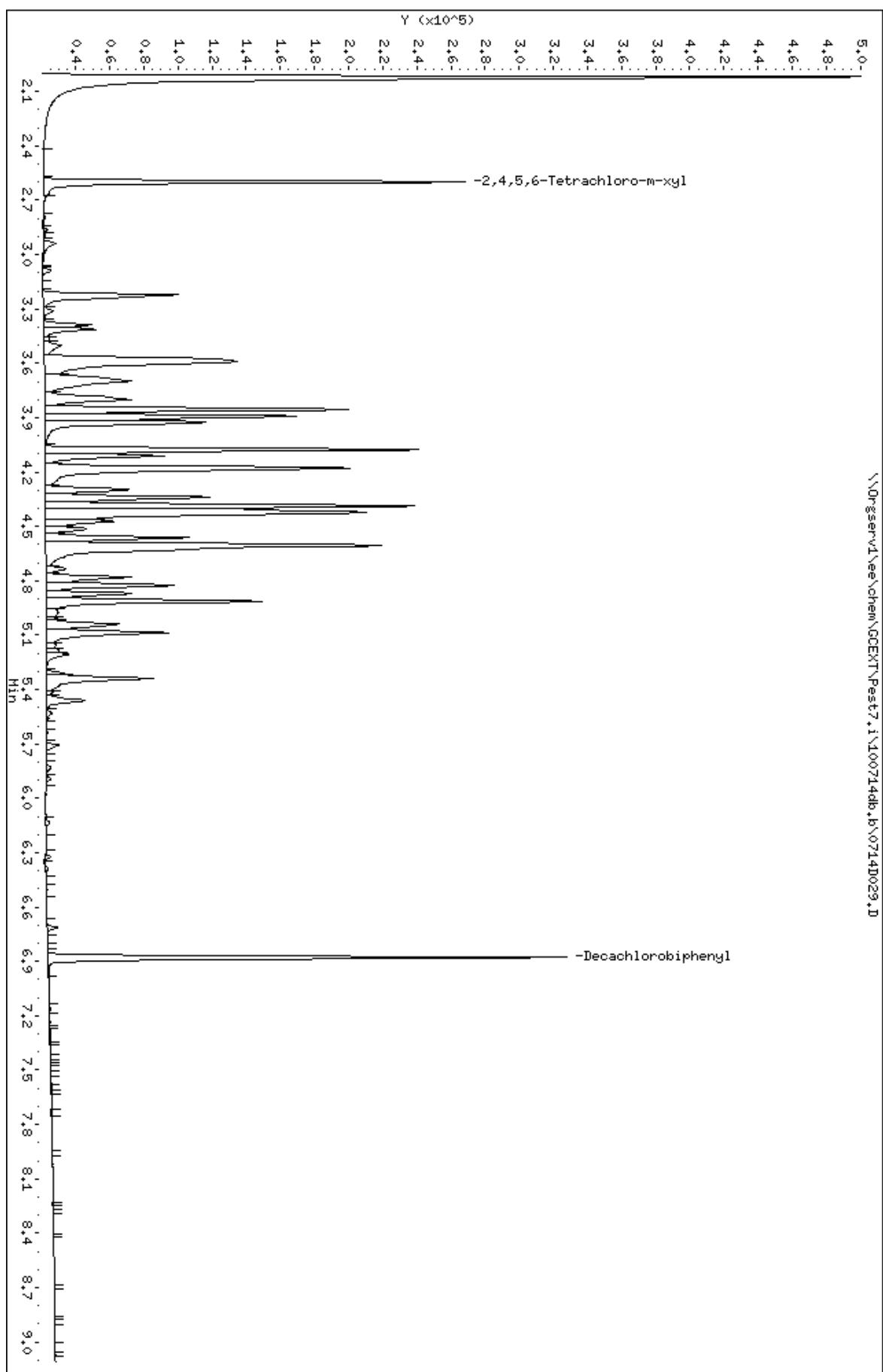
Calibration Date: 14-JUL-2010
Calibration Time: 16:17
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	805821	402911	1611642	825521	2.44

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.1\100714db.b\0714D029.D
Date : 14-JUL-2010 16:42
Client ID:
Sample Info: 1248 icv
Column phase: HP-5
Instrument: Pest7.1
Operator: jlb
Column diameter: 0.32



Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest7.i Injection Date: 15-JUL-2010 10:52
 Lab File ID: 0714D031.D Init. Cal. Date(s): 14-JUL-2010 15-JUL-2010
 Analysis Type: Init. Cal. Times: 10:58 10:52
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.13088	2.18986	2.18986	0.100	-2.76791	15.00000	Averaged
2 Decachlorobiphenyl	1.14893	0.69853	0.69853	0.100	39.20152	15.00000	Averaged<-
5 Aroclor 1221(1)	0.00934	0.01085	0.01085	0.100	-16.15170	15.00000	Averaged<-
(2)	0.00271	0.00309	0.00309	0.100	-13.89934	15.00000	Averaged
(3)	0.01108	0.01227	0.01227	0.100	-10.76731	15.00000	Averaged
(4)	0.00632	0.00783	0.00783	0.100	-23.88779	15.00000	Averaged<-
(5)	0.02783	0.02957	0.02957	0.100	-6.26521	15.00000	Averaged
10 Aroclor 1254(1)	0.05395	0.04866	0.04866	0.100	9.81527	15.00000	Averaged
(2)	0.04747	0.05065	0.05065	0.100	-6.69522	15.00000	Averaged
(3)	0.06880	0.07703	0.07703	0.100	-11.96974	15.00000	Averaged
(4)	0.03615	0.03672	0.03672	0.100	-1.59164	15.00000	Averaged
(5)	0.07129	0.07011	0.07011	0.100	1.66354	15.00000	Averaged

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D031.D
Lab Smp Id:
Inj Date : 15-JUL-2010 10:52
Operator : jb Inst ID: Pest7.i
Smp Info : +1221/1254 icv
Misc Info : wg422120,wg421869, ICAL4780
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
Als bottle: 31 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 2154+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.021	2.021	(1.000)	797870	0.25000					

\$ 1 2,4,5,6-Tetrachloro-m-xylene					CAS #:				
2.608	2.608	(1.290)	279556	0.04000	0.0411			(M)	

\$ 2 Decachlorobiphenyl					CAS #:				
6.941	6.941	(3.433)	356695	0.16000	0.0973				

5 Aroclor 1221					CAS #: 11104-28-2				
2.291	2.291	(1.134)	86601	2.50000	2.90	80.00- 120.00	100.00	(M)	
2.535	2.535	(1.254)	24640	2.50000	2.85	22.76- 34.14	28.45		
2.798	2.798	(1.384)	97904	2.50000	2.77	90.44- 135.66	113.05		
2.895	2.895	(1.432)	62498	2.50000	3.10	57.73- 86.60	72.17		
2.941	2.941	(1.455)	235931	2.50000	2.66	217.95- 326.92	272.43		
Average of Peak Amounts =					2.85600				

10 Aroclor 1254					CAS #: 11097-69-1				
4.421	4.421	(2.187)	388224	2.50000	2.25	80.00- 120.00	100.00		
4.571	4.571	(2.261)	404127	2.50000	2.67	83.28- 124.92	104.10		
4.918	4.918	(2.433)	614601	2.50000	2.80	126.65- 189.97	158.31		
5.211	5.211	(2.578)	292991	2.50000	2.54	60.38- 90.56	75.47		
5.468	5.468	(2.705)	559355	2.50000	2.46	115.26- 172.90	144.08		
Average of Peak Amounts =					2.54400				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 0714D031.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: jb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 14-JUL-2010
 Calibration Time: 16:42
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	825521	412761	1651042	797870	-3.35

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	0.16

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeerv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D031.D

Date : 15-JUL-2010 10:52

Client ID:

Sample Info: +1221/1254 icv

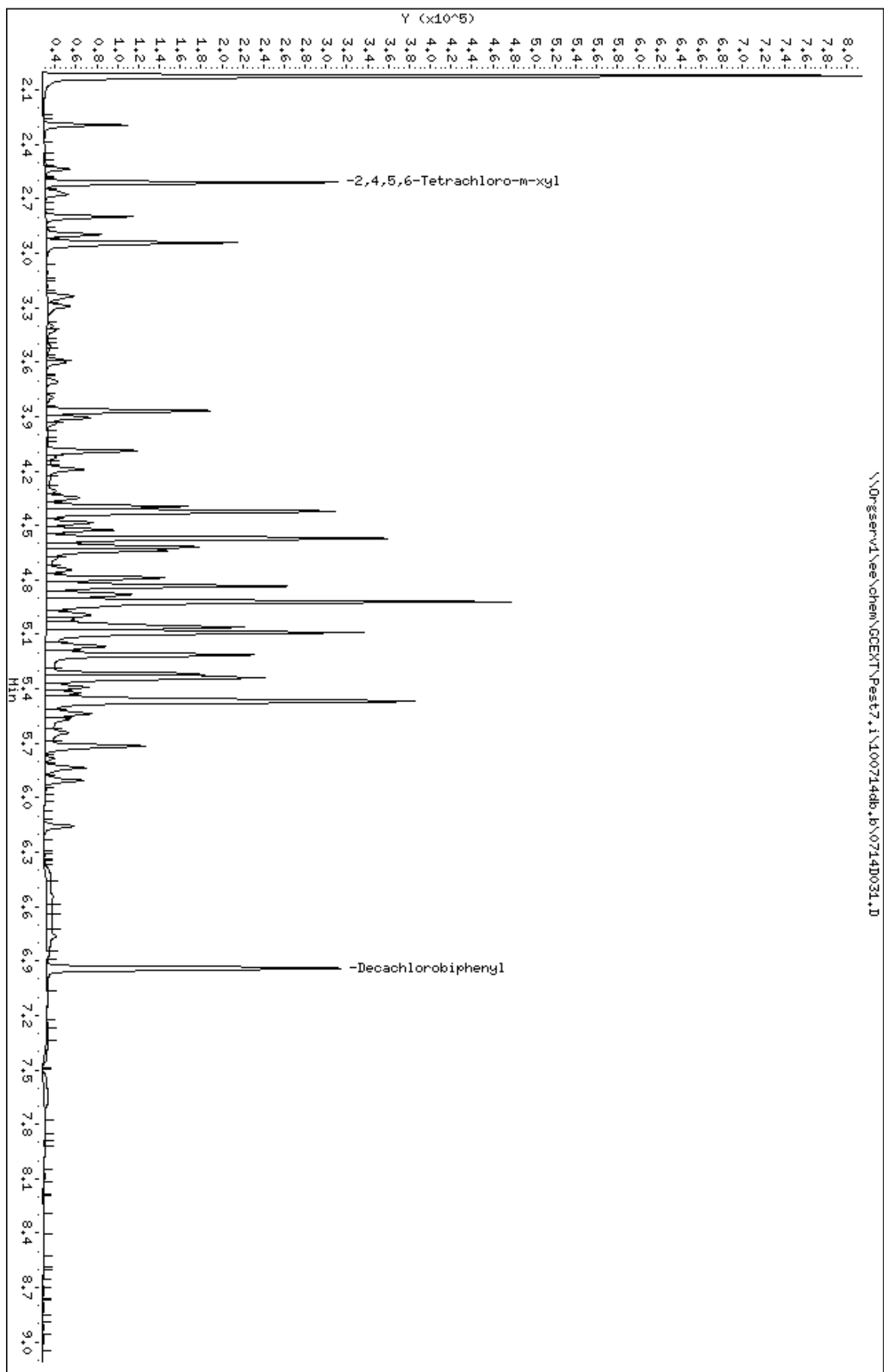
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest7.i Injection Date: 15-JUL-2010 11:32
 Lab File ID: 0714D032.D Init. Cal. Date(s): 14-JUL-2010 15-JUL-2010
 Analysis Type: Init. Cal. Times: 10:58 10:52
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.13088	2.18638	2.18638	0.100	-2.60462	15.00000	Averaged
2 Decachlorobiphenyl	1.14893	0.69476	0.69476	0.100	39.52962	15.00000	Averaged
7 Aroclor 1242(1)	0.03559	0.04007	0.04007	0.100	-12.56698	15.00000	Averaged
(2)	0.06667	0.07056	0.07056	0.100	-5.83417	15.00000	Averaged
(3)	0.03039	0.02978	0.02978	0.100	1.99753	15.00000	Averaged
(4)	0.02172	0.02177	0.02177	0.100	-0.21999	15.00000	Averaged
(5)	0.02777	0.02951	0.02951	0.100	-6.25165	15.00000	Averaged

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\0714D032.D
 Lab Smp Id:
 Inj Date : 15-JUL-2010 11:32
 Operator : jb Inst ID: Pest7.i
 Smp Info : +1242 icv
 Misc Info : wg422120,wg421869, ICAL4780
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
 Meth Date : 30-Jul-2010 10:54 Pest7.i Quant Type: ISTD
 Cal Date : 14-JUL-2010 16:05 Cal File: 0714D026.D
 Als bottle: 32 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1242+.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: KRISTINF

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.025	2.025	(1.000)	790158	0.25000					

\$ 1 2,4,5,6-Tetrachloro-m-xylene					CAS #:				
2.612	2.612	(1.290)	276414	0.04000	0.0410				

\$ 2 Decachlorobiphenyl					CAS #:				
6.938	6.938	(3.426)	351341	0.16000	0.0968				

7 Aroclor 1242					CAS #: 53469-21-9				
3.238	3.238	(1.599)	316594	2.50000	2.81	80.00- 120.00	100.00		
3.605	3.605	(1.780)	557499	2.50000	2.64	140.87- 211.31	176.09		
3.712	3.712	(1.833)	235323	2.50000	2.45	59.46- 89.20	74.33		
4.092	4.092	(2.020)	172011	2.50000	2.50	43.47- 65.20	54.33		
4.192	4.192	(2.070)	233149	2.50000	2.66	58.91- 88.37	73.64		
Average of Peak Amounts =					2.61200				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 0714D032.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: jb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100714db.b\pcb7b.m
Misc Info: wg422120,wg421869, ICAL4780

Calibration Date: 15-JUL-2010
Calibration Time: 10:52
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	797870	398935	1595740	790158	-0.97

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.03	0.18

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100714db.b\0714032.D

Date : 15-JUL-2010 11:32

Client ID:

Sample Info: +1242 icv

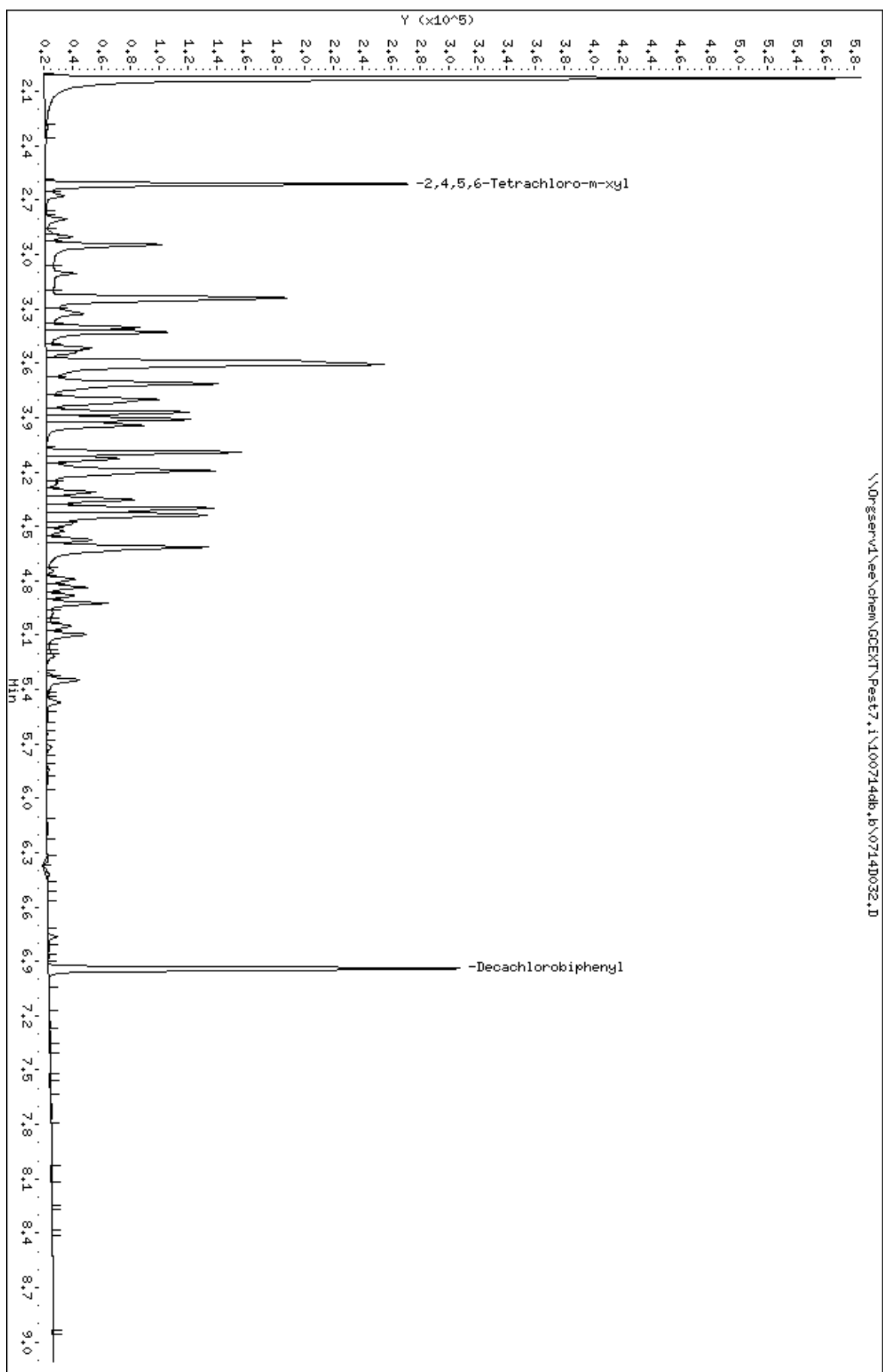
Column phase: HP-5

Instrument: Pest7.i

Operator: jlb

Column diameter: 0.32

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Continuing Calibration

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST7.I Calibration Date: 27-AUG-2010 Time: 08:33

Lab File ID: 08270004.D Init. Calib. Date(s): 14-JUL-2010 30-JUL-2010

Sample No: +1016/1260 p306 Init. Calib. Times : 10:58 15:46

Injection Time: 27-AUG-2010 08:33

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.26771	3.26819	3.26819	0.100	-44.11892	15.00000	Averaged <-
2 Decachlorobiphenyl	1.54262	1.18778	1.18778	0.100	23.00239	15.00000	Averaged <-
4 Aroclor 1016(1)	2.50000	3.31670	0.02660	0.100	-32.66781	15.00000	Linear <-
(2)	2.50000	3.63642	0.06771	0.100	-45.45688	15.00000	Linear <-
(3)	2.50000	2.76156	0.06905	0.100	-10.46255	15.00000	Linear
(4)	2.50000	3.67146	0.05273	0.100	-46.85822	15.00000	Linear <-
(5)	2.50000	3.67309	0.03396	0.100	-46.92372	15.00000	Linear <-
11 Aroclor 1260(1)	0.05761	0.08120	0.08120	0.100	-40.95888	15.00000	Averaged <-
(2)	0.08423	0.11472	0.11472	0.100	-36.19587	15.00000	Averaged <-
(3)	0.05422	0.06455	0.06455	0.100	-19.04215	15.00000	Averaged <-
(4)	0.12775	0.13216	0.13216	0.100	-3.45137	15.00000	Averaged
(5)	0.05633	0.06561	0.06561	0.100	-16.48859	15.00000	Averaged <-

FORM VII NYTCL-8082

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST7.I Calibration Date: 27-AUG-2010 Time: 10:07

Lab File ID: 08270011.D Init. Calib. Date(s): 14-JUL-2010 30-JUL-2010

Sample No: +1660 cc p3080 Init. Calib. Times : 10:58 15:46

Injection Time: 27-AUG-2010 10:07

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.26771	2.69593	2.69593	0.100	-18.88349	15.00000	Averaged <-
2 Decachlorobiphenyl	1.54262	1.03398	1.03398	0.100	32.97269	15.00000	Averaged <-
4 Aroclor 1016(1)	2.50000	2.88902	0.02328	0.100	-15.56066	15.00000	Linear <-
(2)	2.50000	2.75837	0.05144	0.100	-10.33499	15.00000	Linear
(3)	2.50000	2.65877	0.06667	0.100	-6.35079	15.00000	Linear
(4)	2.50000	2.97468	0.04279	0.100	-18.98709	15.00000	Linear <-
(5)	2.50000	3.31738	0.03075	0.100	-32.69506	15.00000	Linear <-
11 Aroclor 1260(1)	0.05761	0.06488	0.06488	0.100	-12.61804	15.00000	Averaged
(2)	0.08423	0.09327	0.09327	0.100	-10.73562	15.00000	Averaged
(3)	0.05422	0.06401	0.06401	0.100	-18.05575	15.00000	Averaged <-
(4)	0.12775	0.12956	0.12956	0.100	-1.41439	15.00000	Averaged
(5)	0.05633	0.05993	0.05993	0.100	-6.40763	15.00000	Averaged

FORM VII NYTCL-8082

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST7.I Calibration Date: 27-AUG-2010 Time: 08:33

Lab File ID: 08270004.D Init. Calib. Date(s): 14-JUL-2010 30-JUL-2010

Sample No: +1016/1260 p306 Init. Calib. Times : 10:58 15:46

Injection Time: 27-AUG-2010 08:33

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.13088	2.50610	2.50610	0.100	-17.60842	15.00000	Averaged <-
2 Decachlorobiphenyl	1.14893	0.84113	0.84113	0.100	26.78983	15.00000	Averaged <-
4 Aroclor 1016(1)	2.50000	2.69560	0.02030	0.100	-7.82401	15.00000	Linear
(2)	2.50000	2.55981	0.04317	0.100	-2.39256	15.00000	Linear
(3)	2.50000	2.85510	0.09591	0.100	-14.20420	15.00000	Linear
(4)	2.50000	3.08383	0.04247	0.100	-23.35311	15.00000	Linear <-
(5)	2.50000	2.51604	0.02499	0.100	-0.64154	15.00000	Linear
11 Aroclor 1260(1)	0.05152	0.05981	0.05981	0.100	-16.07997	15.00000	Averaged <-
(2)	0.06056	0.06790	0.06790	0.100	-12.12313	15.00000	Averaged
(3)	0.04729	0.05494	0.05494	0.100	-16.18860	15.00000	Averaged <-
(4)	0.09976	0.11062	0.11062	0.100	-10.88634	15.00000	Averaged
(5)	0.06471	0.07593	0.07593	0.100	-17.35275	15.00000	Averaged <-

FORM VII NYTCL-8082

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST7.I Calibration Date: 27-AUG-2010 Time: 10:07

Lab File ID: 08270011.D Init. Calib. Date(s): 14-JUL-2010 30-JUL-2010

Sample No: +1660 cc p3080 Init. Calib. Times : 10:58 15:46

Injection Time: 27-AUG-2010 10:07

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.13088	2.05833	2.05833	0.100	3.40452	15.00000	Averaged
2 Decachlorobiphenyl	1.14893	0.69203	0.69203	0.100	39.76761	15.00000	Averaged
4 Aroclor 1016(1)	2.50000	2.34517	0.01774	0.100	6.19323	15.00000	Linear
(2)	2.50000	2.54291	0.04289	0.100	-1.71627	15.00000	Linear
(3)	2.50000	2.39150	0.08015	0.100	4.34014	15.00000	Linear
(4)	2.50000	2.73836	0.03776	0.100	-9.53426	15.00000	Linear
(5)	2.50000	2.17041	0.02153	0.100	13.18350	15.00000	Linear
11 Aroclor 1260(1)	0.05152	0.05576	0.05576	0.100	-8.22529	15.00000	Averaged
(2)	0.06056	0.06539	0.06539	0.100	-7.97370	15.00000	Averaged
(3)	0.04729	0.05253	0.05253	0.100	-11.08851	15.00000	Averaged
(4)	0.09976	0.11398	0.11398	0.100	-14.25846	15.00000	Averaged
(5)	0.06471	0.07159	0.07159	0.100	-10.63495	15.00000	Averaged

FORM VII NYTCL-8082

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest7.i Injection Date: 27-AUG-2010 08:33
 Lab File ID: 08270004.D Init. Cal. Date(s): 14-JUL-2010 30-JUL-2010
 Analysis Type: Init. Cal. Times: 10:58 15:46
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.26771	3.26819	3.26819	0.100	-44.11892	15.00000	Averaged <-
2 Decachlorobiphenyl	1.54262	1.18778	1.18778	0.100	23.00239	15.00000	Averaged <-
4 Aroclor 1016(1)	2.50000	3.31670	0.02660	0.100	-32.66781	15.00000	Linear <-
(2)	2.50000	3.63642	0.06771	0.100	-45.45688	15.00000	Linear <-
(3)	2.50000	2.76156	0.06905	0.100	-10.46255	15.00000	Linear
(4)	2.50000	3.67146	0.05273	0.100	-46.85822	15.00000	Linear <-
(5)	2.50000	3.67309	0.03396	0.100	-46.92372	15.00000	Linear <-
11 Aroclor 1260(1)	0.05761	0.08120	0.08120	0.100	-40.95888	15.00000	Averaged <-
(2)	0.08423	0.11472	0.11472	0.100	-36.19587	15.00000	Averaged <-
(3)	0.05422	0.06455	0.06455	0.100	-19.04215	15.00000	Averaged <-
(4)	0.12775	0.13216	0.13216	0.100	-3.45137	15.00000	Averaged
(5)	0.05633	0.06561	0.06561	0.100	-16.48859	15.00000	Averaged <-

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\08270004.D
Lab Smp Id:
Inj Date : 27-AUG-2010 08:33
Operator : kb Inst ID: Pest7.i
Smp Info : +1016/1260 p3061
Misc Info : wg429562,wg429214, ICAL5213
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\pcb7a.m
Meth Date : 27-Aug-2010 11:58 Pest7.i Quant Type: ISTD
Cal Date : 30-JUL-2010 15:46 Cal File: 0730N006.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: EXT-4

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2,4,5,6-Tetrachloro-m-xylene CAS #:									
2.355	2.355	(1.234)	109929	0.04000	0.0576				

\$ 2 Decachlorobiphenyl CAS #:									
6.289	6.289	(3.294)	159809	0.16000	0.123				

* 3 1-Bromo-2-Nitrobenzene CAS #:									
1.909	1.909	(1.000)	210225	0.25000					

4 Aroclor 1016 CAS #: 12674-11-2									
2.582	2.582	(1.353)	55925	2.50000	3.32	80.00- 120.00	100.00		
2.805	2.805	(1.470)	142342	2.50000	3.64	203.62- 305.43	254.52		
3.135	3.135	(1.643)	278185	2.50000	5.49	397.94- 596.91	497.43		
3.232	3.232	(1.693)	110861	2.50000	3.67	158.59- 237.88	198.23		
3.275	3.275	(1.716)	71390	2.50000	3.67	102.12- 153.18	127.65		
Average of Peak Amounts =					3.95800				

11 Aroclor 1260 CAS #: 11096-82-5									
4.475	4.475	(2.344)	170708	2.50000	3.52	80.00- 120.00	100.00		
4.689	4.689	(2.456)	306861	2.50000	4.33	143.81- 215.71	179.76		
5.152	5.152	(2.699)	135697	2.50000	2.98	63.59- 95.39	79.49		
5.369	5.369	(2.812)	323062	2.50000	3.01	151.40- 227.10	189.25		
5.569	5.569	(2.917)	202701	2.50000	4.28	94.99- 142.49	118.74		
Average of Peak Amounts =					3.62400				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 08270004.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: kb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\pcb7a.m
 Misc Info: wg429562,wg429214, ICAL5213

Calibration Date: 27-AUG-2010
 Calibration Time: 10:07
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	247060	123530	494120	210225	-14.91

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.90	1.40	2.40	1.91	0.30

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\08270004.D

Date : 27-AUG-2010 08:33

Client ID:

Sample Info: +1016/1260 p3061

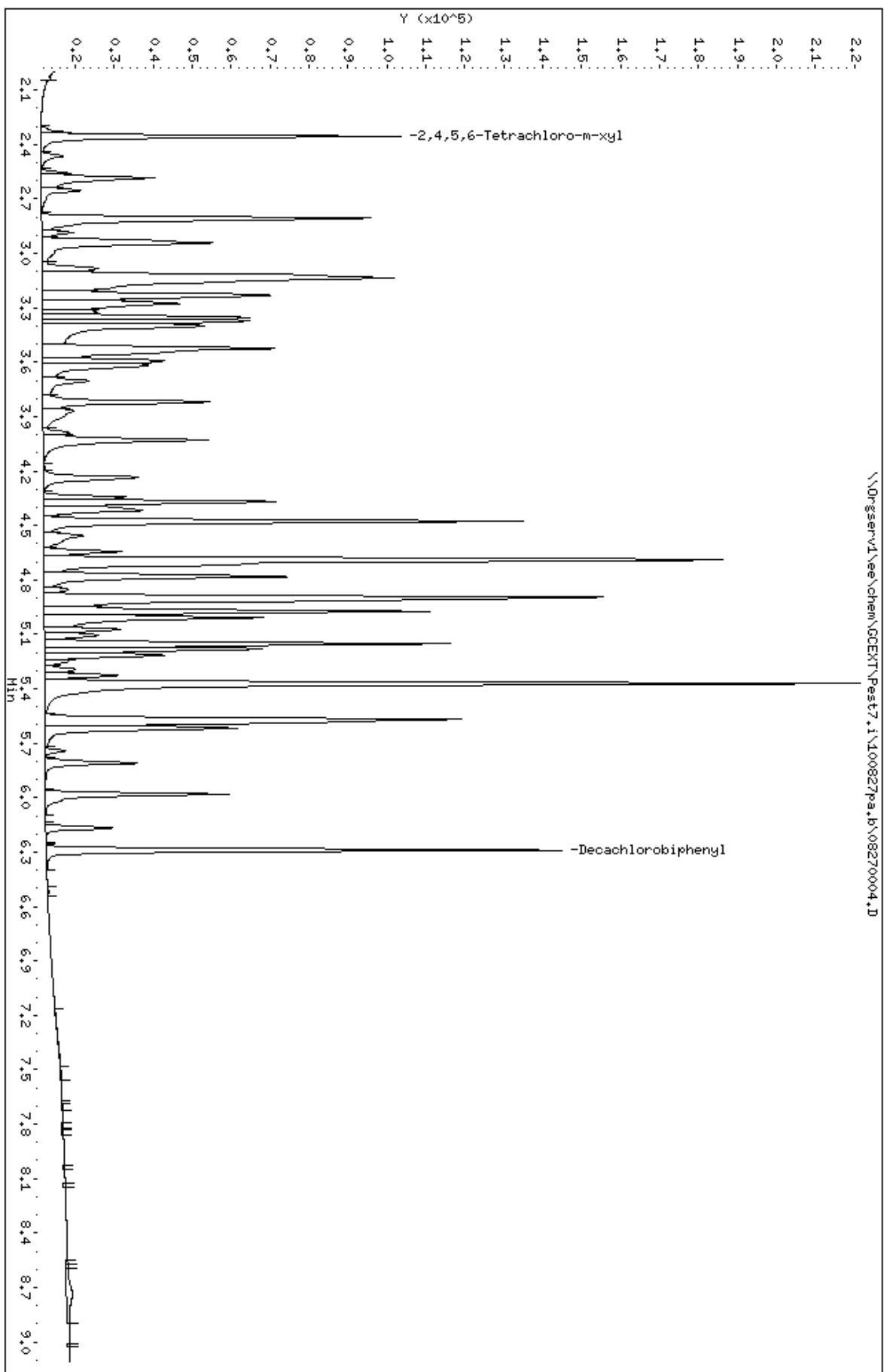
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: kb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\08270004.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 08:33
 Operator : kb Inst ID: Pest7.i
 Smp Info : +1016/1260 p3061
 Misc Info : wg429562,wg429214, ICAL5213
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m
 Meth Date : 27-Aug-2010 11:52 Pest7.i Quant Type: ISTD
 Cal Date : 30-JUL-2010 15:46 Cal File: 0730N006.D
 Als bottle: 4 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1660+.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: EXT-4

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1	2,4,5,6-Tetrachloro-m-xylene				CAS #:				
2.355	2.355	(1.234)	109929	0.04000	0.0576				
\$ 2	Decachlorobiphenyl				CAS #:				
6.289	6.289	(3.294)	159809	0.16000	0.123				
* 3	1-Bromo-2-Nitrobenzene				CAS #:				
1.909	1.909	(1.000)	210225	0.25000					
4 Aroclor 1016					CAS #: 12674-11-2				
2.582	2.582	(1.353)	55925	2.50000	3.32	80.00- 120.00	100.00(M)	M1	
2.805	2.805	(1.470)	142342	2.50000	3.64	203.62- 305.43	254.52	M1	
3.135	3.135	(1.643)	145154	2.50000	2.76	207.64- 311.46	259.55	M1	
3.232	3.232	(1.693)	110861	2.50000	3.67	158.59- 237.88	198.23	M1	
3.275	3.275	(1.716)	71390	2.50000	3.67	102.12- 153.18	127.65	M1	
Average of Peak Amounts =					3.41200				
11 Aroclor 1260					CAS #: 11096-82-5				
4.475	4.475	(2.344)	170708	2.50000	3.52	80.00- 120.00	100.00(M)	M1	
4.689	4.689	(2.456)	241162	2.50000	3.40	113.02- 169.53	141.27	M1	
5.152	5.152	(2.699)	135697	2.50000	2.98	63.59- 95.39	79.49	M1	
5.369	5.369	(2.812)	277840	2.50000	2.59	130.21- 195.31	162.76	M1	
5.569	5.569	(2.917)	137934	2.50000	2.91	64.64- 96.96	80.80	M1	
Average of Peak Amounts =					3.08000				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 08270004.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: kb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m
Misc Info: wg429562,wg429214, ICAL5213

Calibration Date: 27-AUG-2010
Calibration Time: 10:07
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	247060	123530	494120	210225	-14.91

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.90	1.40	2.40	1.91	0.30

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100827a,b\08270004.D

Date : 27-AUG-2010 08:33

Client ID:

Sample Info: +1016/1260 p3061

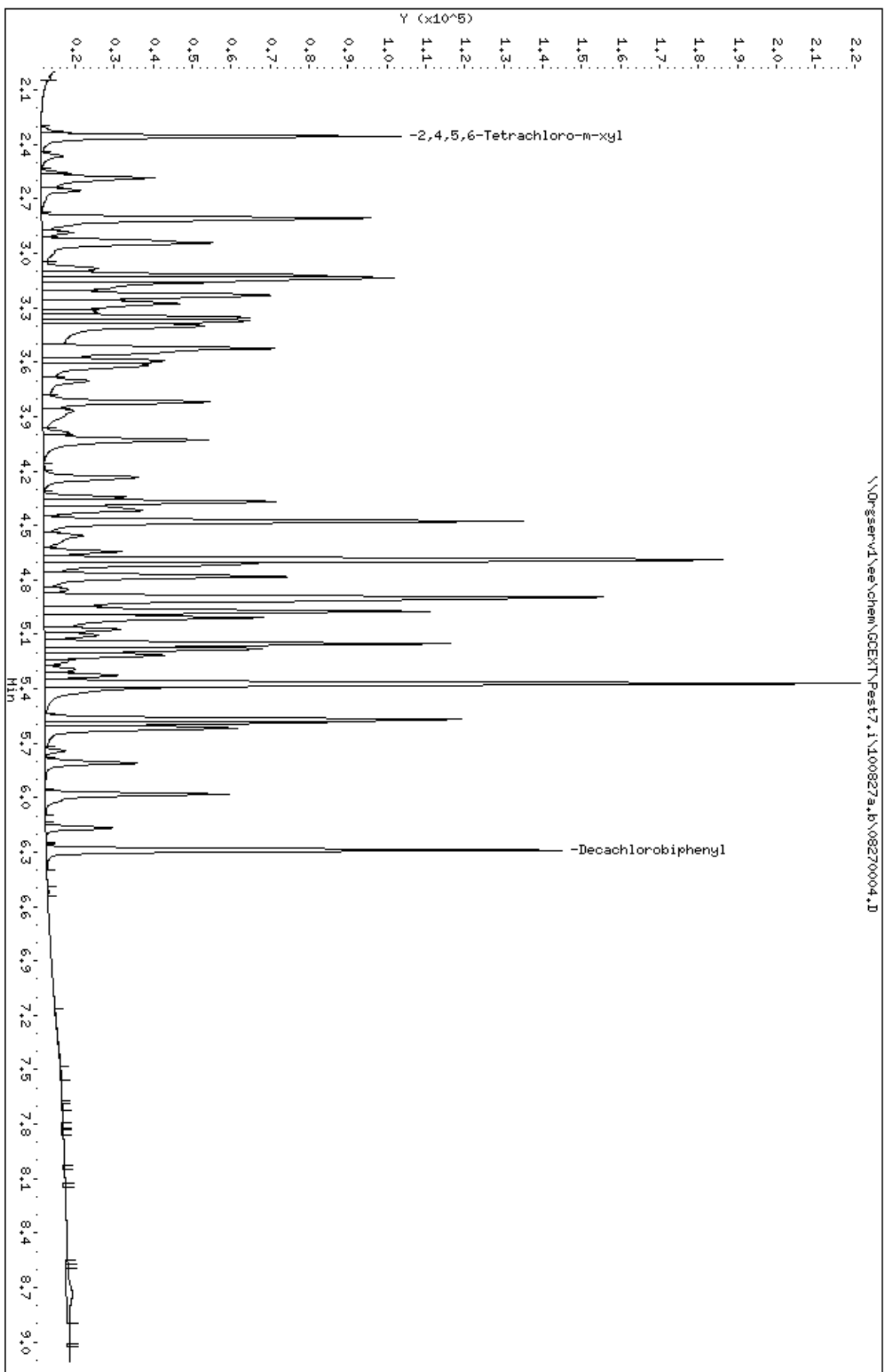
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: kb

Column diameter: 0.32

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Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest7.i Injection Date: 27-AUG-2010 10:07
 Lab File ID: 08270011.D Init. Cal. Date(s): 14-JUL-2010 30-JUL-2010
 Analysis Type: Init. Cal. Times: 10:58 15:46
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.26771	2.69593	2.69593	0.100	-18.88349	15.00000	Averaged <-
2 Decachlorobiphenyl	1.54262	1.03398	1.03398	0.100	32.97269	15.00000	Averaged <-
4 Aroclor 1016(1)	2.50000	2.88902	0.02328	0.100	-15.56066	15.00000	Linear <-
(2)	2.50000	2.75837	0.05144	0.100	-10.33499	15.00000	Linear
(3)	2.50000	2.65877	0.06667	0.100	-6.35079	15.00000	Linear
(4)	2.50000	2.97468	0.04279	0.100	-18.98709	15.00000	Linear <-
(5)	2.50000	3.31738	0.03075	0.100	-32.69506	15.00000	Linear <-
11 Aroclor 1260(1)	0.05761	0.06488	0.06488	0.100	-12.61804	15.00000	Averaged
(2)	0.08423	0.09327	0.09327	0.100	-10.73562	15.00000	Averaged
(3)	0.05422	0.06401	0.06401	0.100	-18.05575	15.00000	Averaged <-
(4)	0.12775	0.12956	0.12956	0.100	-1.41439	15.00000	Averaged
(5)	0.05633	0.05993	0.05993	0.100	-6.40763	15.00000	Averaged

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\08270011.D
Lab Smp Id:
Inj Date : 27-AUG-2010 10:07
Operator : kb
Smp Info : +1660 cc p3080
Misc Info : wg429562,wg429214, ICAL5213
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\pcb7a.m
Meth Date : 27-Aug-2010 11:58 Pest7.i
Cal Date : 30-JUL-2010 15:46
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.12
Processing Host: EXT-4

Inst ID: Pest7.i
Quant Type: ISTD
Cal File: 0730N006.D
Continuing Calibration Sample
Compound Sublist: 1660+.sub
Sample Matrix: None

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1 2,4,5,6-Tetrachloro-m-xylene CAS #:									
2.343	2.343	(1.231)	106569	0.04000	0.0476				

\$ 2 Decachlorobiphenyl CAS #:									
6.273	6.273	(3.296)	163491	0.16000	0.107				

* 3 1-Bromo-2-Nitrobenzene CAS #:									
1.903	1.903	(1.000)	247060	0.25000					

4 Aroclor 1016 CAS #: 12674-11-2									
2.573	2.573	(1.352)	57524	2.50000	2.89	80.00- 120.00	100.00		
2.793	2.793	(1.468)	143657	2.50000	3.12	199.79- 299.68	249.73		
3.123	3.123	(1.641)	266621	2.50000	4.44	370.80- 556.19	463.50		
3.216	3.216	(1.690)	105725	2.50000	2.97	147.03- 220.55	183.79		
3.263	3.263	(1.714)	75972	2.50000	3.32	105.66- 158.48	132.07		
Average of Peak Amounts =					3.34800				

11 Aroclor 1260 CAS #: 11096-82-5									
4.460	4.460	(2.343)	175543	2.50000	3.08	80.00- 120.00	100.00		
4.673	4.673	(2.455)	312147	2.50000	3.75	142.25- 213.38	177.82		
5.166	5.166	(2.714)	82475	2.50000	1.54	37.59- 56.38	46.98		
5.356	5.356	(2.814)	388148	2.50000	3.07	176.89- 265.34	221.11		
5.556	5.556	(2.919)	230572	2.50000	4.14	105.08- 157.62	131.35		
Average of Peak Amounts =					3.11600				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 08270011.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: kb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\pcb7a.m
Misc Info: wg429562, wg429214, ICAL5213

Calibration Date: 27-AUG-2010
Calibration Time: 08:33
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	210225	105113	420450	247060	17.52

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.90	-0.30

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100827pa.b\08270011.D

Date : 27-AUG-2010 10:07

Client ID:

Sample Info: +1660 cc P3080

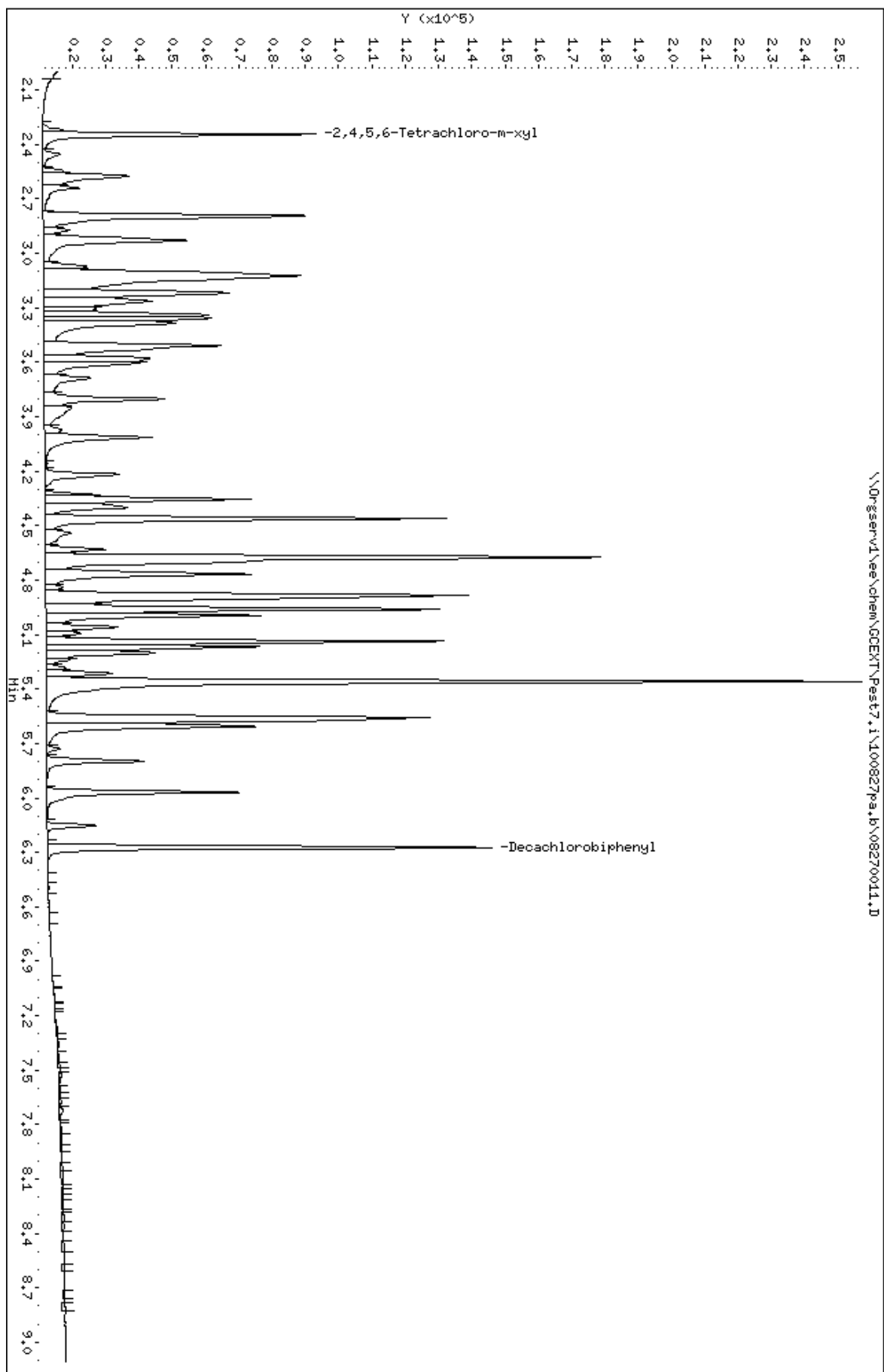
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: kb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\08270011.D
Lab Smp Id:
Inj Date : 27-AUG-2010 10:07
Operator : kb Inst ID: Pest7.i
Smp Info : +1660 cc p3080
Misc Info : wg429562,wg429214, ICAL5213
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m
Meth Date : 27-Aug-2010 11:49 Pest7.i Quant Type: ISTD
Cal Date : 30-JUL-2010 15:46 Cal File: 0730N006.D
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: EXT-4

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1	2,4,5,6-Tetrachloro-m-xylene				CAS #:				
2.343	2.343	(1.231)	106569	0.04000	0.0476				

\$ 2	Decachlorobiphenyl				CAS #:				
6.273	6.273	(3.296)	163491	0.16000	0.107				

* 3	1-Bromo-2-Nitrobenzene				CAS #:				
1.903	1.903	(1.000)	247060	0.25000					

4 Aroclor 1016					CAS #:	12674-11-2			
2.573	2.573	(1.352)	57524	2.50000	2.89	80.00- 120.00	100.00(M)	M1	
2.793	2.793	(1.468)	127099	2.50000	2.76	176.76- 265.14	220.95	M1	
3.123	3.123	(1.641)	164706	2.50000	2.66	229.06- 343.59	286.33	M1	
3.216	3.216	(1.690)	105725	2.50000	2.97	147.03- 220.55	183.79	M1	
3.263	3.263	(1.714)	75972	2.50000	3.32	105.66- 158.48	132.07	M1	
Average of Peak Amounts =					2.92000				

11 Aroclor 1260					CAS #:	11096-82-5			
4.460	4.460	(2.343)	160283	2.50000	2.82	80.00- 120.00	100.00(M)	M2	
4.673	4.673	(2.455)	230436	2.50000	2.77	115.01- 172.52	143.77	M2	
5.136	5.136	(2.714)	158152	2.50000	2.95	78.94- 118.40	98.67	M2	
5.356	5.356	(2.814)	320093	2.50000	2.54	159.76- 239.65	199.70	M2	
5.556	5.556	(2.919)	148074	2.50000	2.66	73.91- 110.86	92.38	M2	
Average of Peak Amounts =					2.74800				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 08270011.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: kb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m
Misc Info: wg429562, wg429214, ICAL5213

Calibration Date: 27-AUG-2010
Calibration Time: 08:33
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	210225	105113	420450	247060	17.52

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.90	-0.30

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\rd\ee\chem\GCEXT\Pest7.i\100827a,b\08270011.D

Date : 27-AUG-2010 10:07

Client ID:

Sample Info: +1660 cc P3080

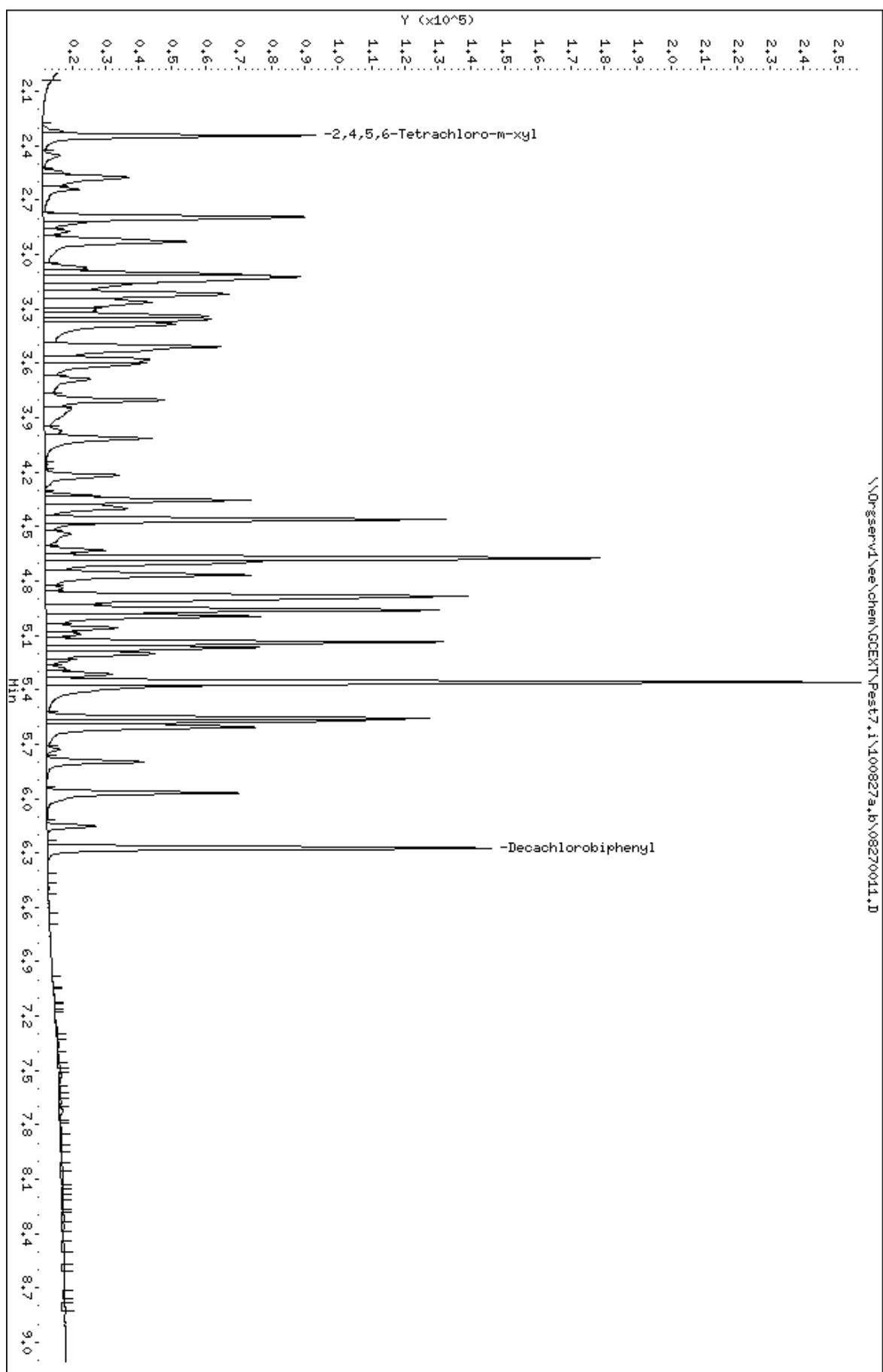
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: kb

Column diameter: 0.32

Page 3



Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest7.i Injection Date: 27-AUG-2010 08:33
 Lab File ID: 08270004.D Init. Cal. Date(s): 14-JUL-2010 30-JUL-2010
 Analysis Type: Init. Cal. Times: 10:58 15:46
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.13088	2.50610	2.50610	0.100	-17.60842	15.00000	Averaged <-
2 Decachlorobiphenyl	1.14893	0.84113	0.84113	0.100	26.78983	15.00000	Averaged <-
4 Aroclor 1016(1)	2.50000	2.69560	0.02030	0.100	-7.82401	15.00000	Linear
(2)	2.50000	2.55981	0.04317	0.100	-2.39256	15.00000	Linear
(3)	2.50000	2.85510	0.09591	0.100	-14.20420	15.00000	Linear
(4)	2.50000	3.08383	0.04247	0.100	-23.35311	15.00000	Linear <-
(5)	2.50000	2.51604	0.02499	0.100	-0.64154	15.00000	Linear
11 Aroclor 1260(1)	0.05152	0.05981	0.05981	0.100	-16.07997	15.00000	Averaged <-
(2)	0.06056	0.06790	0.06790	0.100	-12.12313	15.00000	Averaged
(3)	0.04729	0.05494	0.05494	0.100	-16.18860	15.00000	Averaged <-
(4)	0.09976	0.11062	0.11062	0.100	-10.88634	15.00000	Averaged
(5)	0.06471	0.07593	0.07593	0.100	-17.35275	15.00000	Averaged <-

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\08270004.D

Lab Smp Id:

Inj Date : 27-AUG-2010 08:33

Operator : kb

Inst ID: Pest7.i

Smp Info : +1016/1260 p3061

Misc Info : wg429562,wg429214, ICAL5213

Comment :

Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\pcb7a.m

Meth Date : 27-Aug-2010 11:58 Pest7.i

Quant Type: ISTD

Cal Date : 30-JUL-2010 15:46

Cal File: 0730N006.D

Als bottle: 4

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: 1660+.sub

Target Version: 4.12

Sample Matrix: None

Processing Host: EXT-4

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 2,4,5,6-Tetrachloro-m-xylene					CAS #:				
2.355	2.355	(1.234)	109929	0.04000	0.0576				

\$ 2 Decachlorobiphenyl					CAS #:				
6.289	6.289	(3.294)	159809	0.16000	0.123				

* 3 1-Bromo-2-Nitrobenzene					CAS #:				
1.909	1.909	(1.000)	210225	0.25000					

4 Aroclor 1016					CAS #: 12674-11-2				
2.582	2.582	(1.353)	55925	2.50000	3.32	80.00- 120.00	100.00		
2.805	2.805	(1.470)	142342	2.50000	3.64	203.62- 305.43	254.52		
3.135	3.135	(1.643)	278185	2.50000	5.49	397.94- 596.91	497.43		
3.232	3.232	(1.693)	110861	2.50000	3.67	158.59- 237.88	198.23		
3.275	3.275	(1.716)	71390	2.50000	3.67	102.12- 153.18	127.65		
Average of Peak Amounts =					3.95800				

11 Aroclor 1260					CAS #: 11096-82-5				
4.475	4.475	(2.344)	170708	2.50000	3.52	80.00- 120.00	100.00		
4.689	4.689	(2.456)	306861	2.50000	4.33	143.81- 215.71	179.76		
5.152	5.152	(2.699)	135697	2.50000	2.98	63.59- 95.39	79.49		
5.369	5.369	(2.812)	323062	2.50000	3.01	151.40- 227.10	189.25		
5.569	5.569	(2.917)	202701	2.50000	4.28	94.99- 142.49	118.74		
Average of Peak Amounts =					3.62400				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 08270004.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: kb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\pcb7a.m
Misc Info: wg429562,wg429214, ICAL5213

Calibration Date: 27-AUG-2010
Calibration Time: 10:07
Level:
Sample Type:

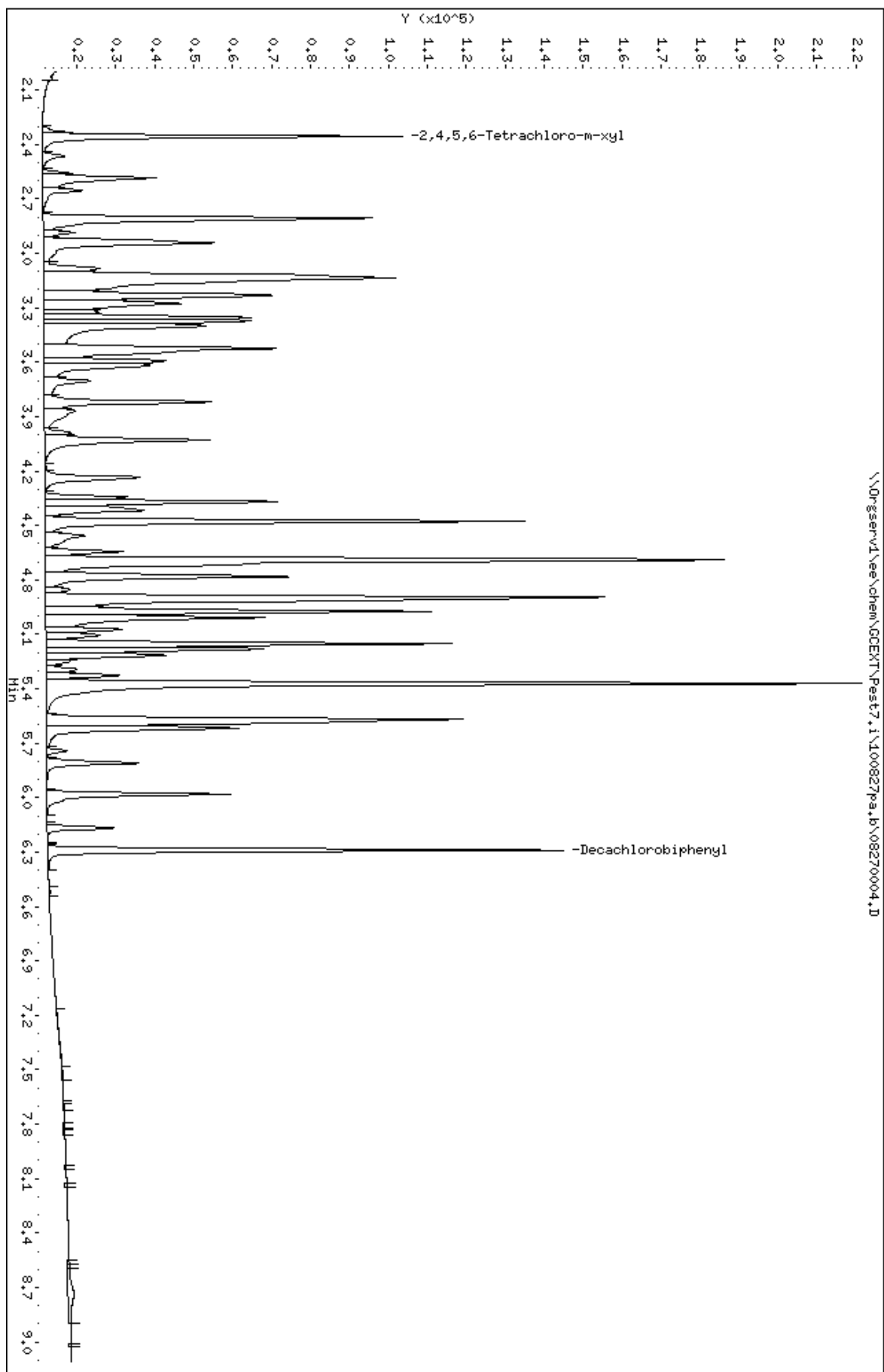
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	247060	123530	494120	210225	-14.91

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.90	1.40	2.40	1.91	0.30

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\08270004.D
Date : 27-AUG-2010 08:33
Client ID:
Sample Info: +1016/1260 p3061
Column phase: Rtx-1701

Instrument: Pest7.i
Operator: kb
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\08270004.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 08:33
 Operator : kb Inst ID: Pest7.i
 Smp Info : +1016/1260 p3061
 Misc Info : wg429562,wg429214, ICAL5214
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m
 Meth Date : 27-Aug-2010 11:53 Pest7.i Quant Type: ISTD
 Cal Date : 30-JUL-2010 15:46 Cal File: 0730N006.D
 Als bottle: 4 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: 1660+.sub
 Target Version: 4.12 Sample Matrix: None
 Processing Host: EXT-4

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.016	2.016	(1.000)	615427	0.25000					

\$ 1 2,4,5,6-Tetrachloro-m-xylene					CAS #:				
2.596	2.596	(1.288)	246771	0.04000	0.0470				

\$ 2 Decachlorobiphenyl					CAS #:				
6.892	6.892	(3.419)	331299	0.16000	0.117				

4 Aroclor 1016					CAS #: 12674-11-2				
2.926	2.926	(1.451)	124915	2.50000	2.70	80.00- 120.00	100.00(M)		M1
3.216	3.216	(1.595)	265680	2.50000	2.56	170.15- 255.23	212.69		M1
3.582	3.582	(1.777)	590247	2.50000	2.86	378.02- 567.02	472.52		M1
3.689	3.689	(1.830)	261360	2.50000	3.08	167.38- 251.08	209.23		M1
3.846	3.846	(1.908)	153810	2.50000	2.52	98.51- 147.76	123.13		M1
Average of Peak Amounts =					2.74400				

11 Aroclor 1260					CAS #: 11096-82-5				
5.042	5.042	(2.501)	368082	2.50000	2.90	80.00- 120.00	100.00(M)		M1
5.196	5.196	(2.577)	417901	2.50000	2.80	90.83- 136.24	113.53		M1
5.712	5.712	(2.834)	338131	2.50000	2.90	73.49- 110.24	91.86		M1
5.882	5.882	(2.918)	680764	2.50000	2.77	147.96- 221.94	184.95		M1
6.129	6.129	(3.040)	467321	2.50000	2.93	101.57- 152.35	126.96		M1
Average of Peak Amounts =					2.86000				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 08270004.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: kb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m
 Misc Info: wg429562,wg429214, ICAL5214

Calibration Date: 27-AUG-2010
 Calibration Time: 10:07
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	739290	369645	1478580	615427	-16.75

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	-0.05

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.i\100827b.b\08270004.D

Date : 27-AUG-2010 08:33

Client ID:

Sample Info: +1016/1260 p3061

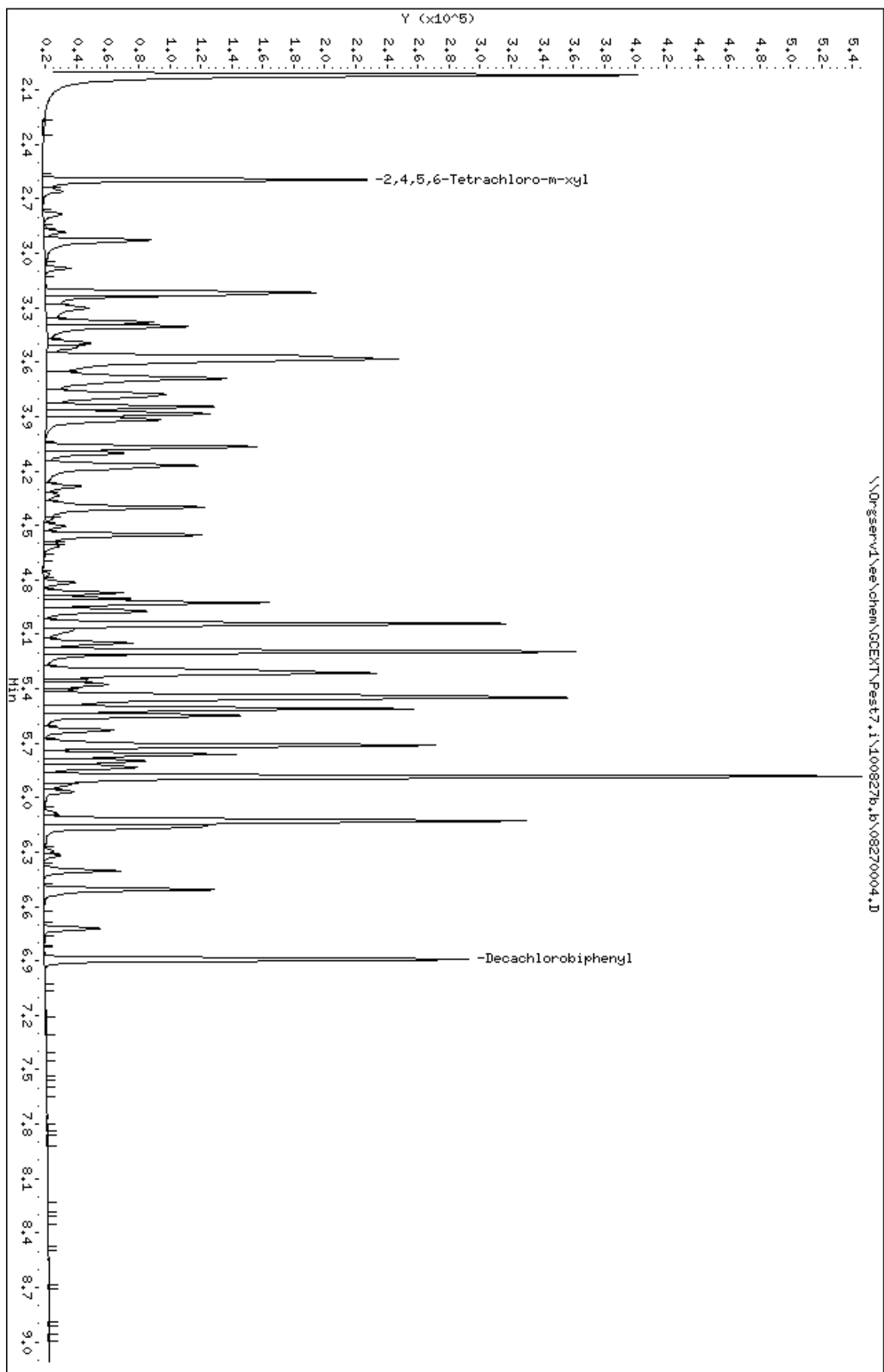
Column phase: HP-5

Instrument: Pest7.i

Operator: kb

Column diameter: 0.32

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Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest7.i Injection Date: 27-AUG-2010 10:07
 Lab File ID: 08270011.D Init. Cal. Date(s): 14-JUL-2010 30-JUL-2010
 Analysis Type: Init. Cal. Times: 10:58 15:46
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m

COMPOUND	RRF / AMOUNT	RF80	CCAL RRF80	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 2,4,5,6-Tetrachloro-m-xylene	2.13088	2.05833	2.05833	0.100	3.40452	15.00000	Averaged
2 Decachlorobiphenyl	1.14893	0.69203	0.69203	0.100	39.76761	15.00000	Averaged
4 Aroclor 1016(1)	2.50000	2.34517	0.01774	0.100	6.19323	15.00000	Linear
(2)	2.50000	2.54291	0.04289	0.100	-1.71627	15.00000	Linear
(3)	2.50000	2.39150	0.08015	0.100	4.34014	15.00000	Linear
(4)	2.50000	2.73836	0.03776	0.100	-9.53426	15.00000	Linear
(5)	2.50000	2.17041	0.02153	0.100	13.18350	15.00000	Linear
11 Aroclor 1260(1)	0.05152	0.05576	0.05576	0.100	-8.22529	15.00000	Averaged
(2)	0.06056	0.06539	0.06539	0.100	-7.97370	15.00000	Averaged
(3)	0.04729	0.05253	0.05253	0.100	-11.08851	15.00000	Averaged
(4)	0.09976	0.11398	0.11398	0.100	-14.25846	15.00000	Averaged
(5)	0.06471	0.07159	0.07159	0.100	-10.63495	15.00000	Averaged

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\08270011.D
Lab Smp Id:
Inj Date : 27-AUG-2010 10:07
Operator : kb Inst ID: Pest7.i
Smp Info : +1660 cc p3080
Misc Info : wg429562,wg429214, ICAL5213
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\pcb7a.m
Meth Date : 27-Aug-2010 11:58 Pest7.i Quant Type: ISTD
Cal Date : 30-JUL-2010 15:46 Cal File: 0730N006.D
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1660+.sub
Target Version: 4.12 Sample Matrix: None
Processing Host: EXT-4

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1	2,4,5,6-Tetrachloro-m-xylene				CAS #:				
2.343	2.343	(1.231)	106569	0.04000	0.0476				

\$ 2	Decachlorobiphenyl				CAS #:				
6.273	6.273	(3.296)	163491	0.16000	0.107				

* 3	1-Bromo-2-Nitrobenzene				CAS #:				
1.903	1.903	(1.000)	247060	0.25000					

4 Aroclor 1016					CAS #: 12674-11-2				
2.573	2.573	(1.352)	57524	2.50000	2.89	80.00-	120.00	100.00	
2.793	2.793	(1.468)	143657	2.50000	3.12	199.79-	299.68	249.73	
3.123	3.123	(1.641)	266621	2.50000	4.44	370.80-	556.19	463.50	
3.216	3.216	(1.690)	105725	2.50000	2.97	147.03-	220.55	183.79	
3.263	3.263	(1.714)	75972	2.50000	3.32	105.66-	158.48	132.07	
Average of Peak Amounts =					3.34800				

11 Aroclor 1260					CAS #: 11096-82-5				
4.460	4.460	(2.343)	175543	2.50000	3.08	80.00-	120.00	100.00	
4.673	4.673	(2.455)	312147	2.50000	3.75	142.25-	213.38	177.82	
5.166	5.166	(2.714)	82475	2.50000	1.54	37.59-	56.38	46.98	
5.356	5.356	(2.814)	388148	2.50000	3.07	176.89-	265.34	221.11	
5.556	5.556	(2.919)	230572	2.50000	4.14	105.08-	157.62	131.35	
Average of Peak Amounts =					3.11600				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 08270011.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: kb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\pcb7a.m
 Misc Info: wg429562,wg429214, ICAL5213

Calibration Date: 27-AUG-2010
 Calibration Time: 08:33
 Level:
 Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	210225	105113	420450	247060	17.52

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.90	-0.30

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\08270011.D

Date : 27-AUG-2010 10:07

Client ID:

Sample Info: +1660 cc P3080

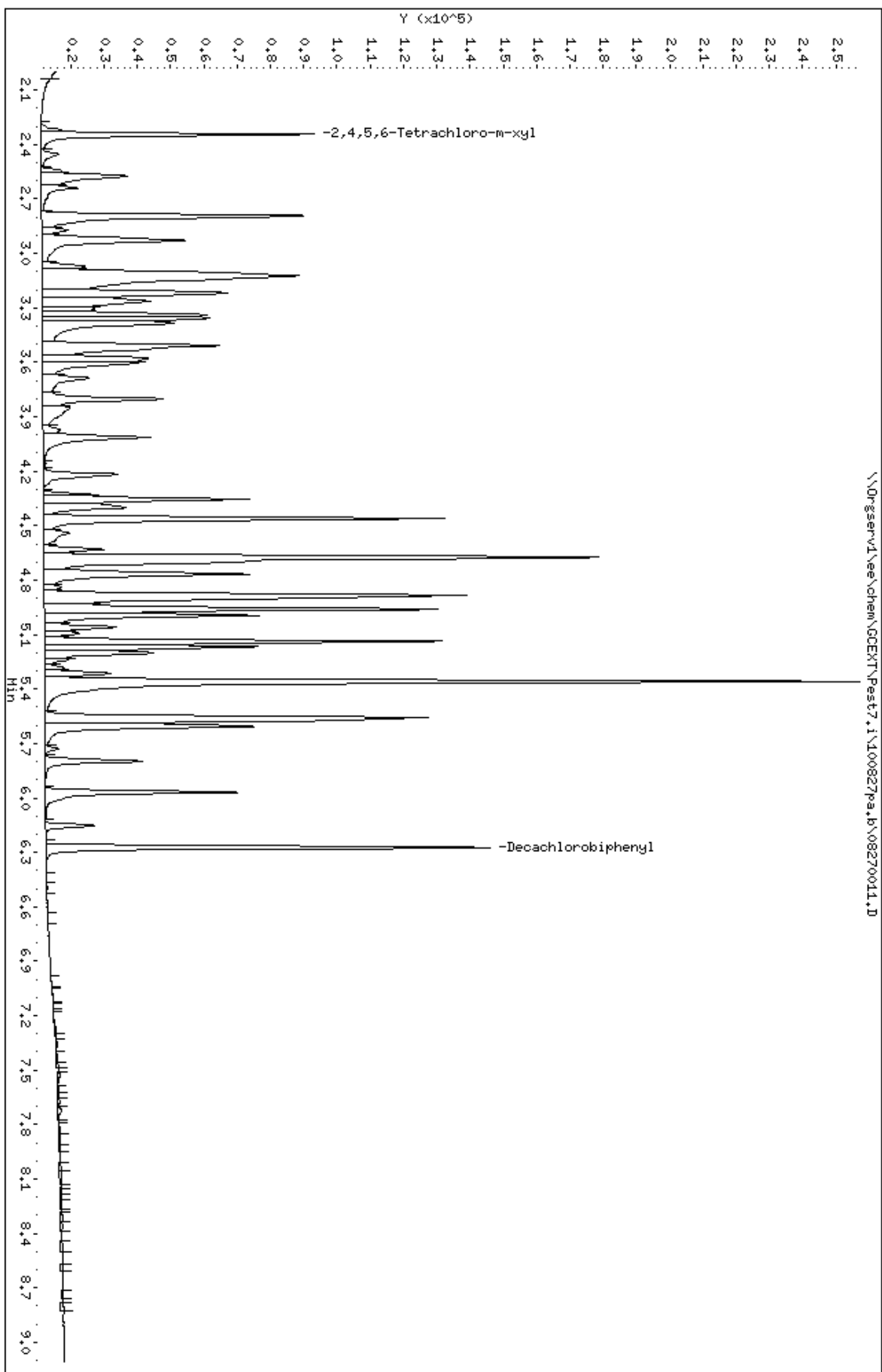
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: kb

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\08270011.D
Lab Smp Id:
Inj Date : 27-AUG-2010 10:07
Operator : kb
Smp Info : +1660 cc p3080
Misc Info : wg429562,wg429214, ICAL5214
Comment :
Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m
Meth Date : 27-Aug-2010 11:49 Pest7.i
Cal Date : 30-JUL-2010 15:46
Als bottle: 11
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.12
Processing Host: EXT-4

Inst ID: Pest7.i
Quant Type: ISTD
Cal File: 0730N006.D
Continuing Calibration Sample
Compound Sublist: 1660+.sub
Sample Matrix: None

AMOUNTS									
RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
* 3 1-Bromo-2-Nitrobenzene					CAS #:				
2.017	2.017	(1.000)	739290	0.25000					

\$ 1 2,4,5,6-Tetrachloro-m-xylene					CAS #:				
2.590	2.590	(1.284)	243473	0.04000	0.0386				

\$ 2 Decachlorobiphenyl					CAS #:				
6.870	6.870	(3.406)	327429	0.16000	0.0964				

4 Aroclor 1016					CAS #: 12674-11-2				
2.923	2.923	(1.450)	131171	2.50000	2.34	80.00- 120.00	100.00		
3.210	3.210	(1.592)	317060	2.50000	2.54	193.37- 290.06	241.72		
3.577	3.577	(1.773)	592545	2.50000	2.39	361.39- 542.08	451.73		
3.683	3.683	(1.826)	279142	2.50000	2.74	170.25- 255.37	212.81		
3.837	3.837	(1.902)	159155	2.50000	2.17	97.07- 145.60	121.33		
Average of Peak Amounts =					2.43600				

11 Aroclor 1260					CAS #: 11096-82-5				
5.037	5.037	(2.497)	412244	2.50000	2.70	80.00- 120.00	100.00		
5.190	5.190	(2.573)	483431	2.50000	2.70	93.81- 140.72	117.27		
5.707	5.707	(2.829)	388355	2.50000	2.78	75.36- 113.05	94.21		
5.877	5.877	(2.914)	842646	2.50000	2.86	163.52- 245.29	204.40		
6.120	6.120	(3.034)	529240	2.50000	2.76	102.70- 154.06	128.38		
Average of Peak Amounts =					2.76000				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 08270011.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: kb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m
Misc Info: wg429562,wg429214, ICAL5214

Calibration Date: 27-AUG-2010
Calibration Time: 08:33
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	615427	307714	1230854	739290	20.13

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	0.05

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgera1\ee\chem\GCEXT\Pest7.i\100827b.b\08270011.D

Date : 27-AUG-2010 10:07

Client ID:

Sample Info: +1660 cc P3080

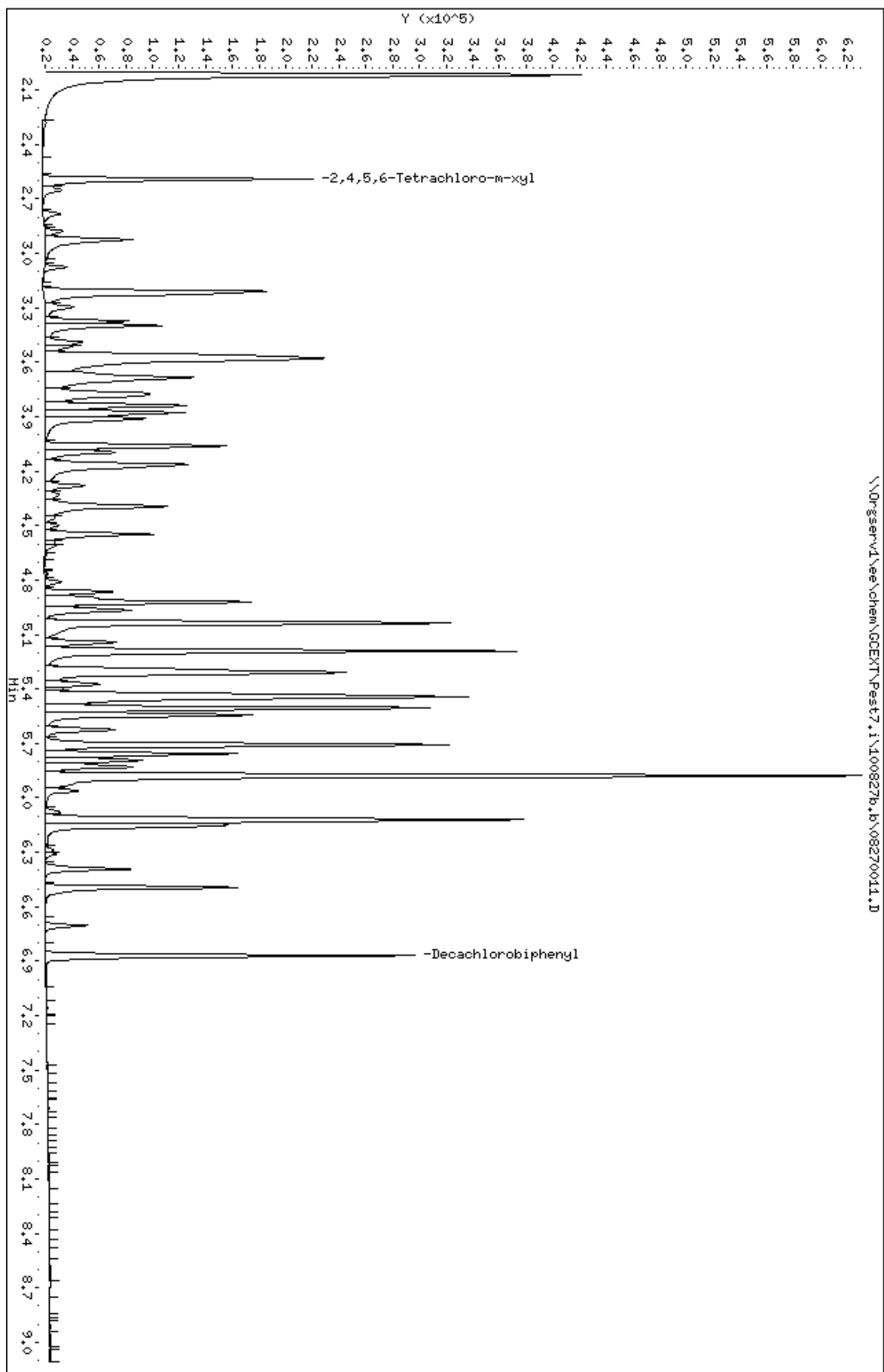
Column phase: HP-5

Instrument: Pest7.i

Operator: kb

Column diameter: 0.32

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Aroclor Raw QC Data

Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\08270008.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 09:31
 Operator : kb Inst ID: Pest7.i
 Smp Info : wg429547-1,42
 Misc Info : wg429783,wg429547, ICAL5213
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m
 Meth Date : 27-Aug-2010 11:52 Pest7.i Quant Type: ISTD
 Cal Date : 30-JUL-2010 15:46 Cal File: 0730N006.D
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.12 Sample Matrix: WATER
 Processing Host: EXT-4

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

CONCENTRATIONS									
RT	EXP RT	REL RT	RESPONSE	ON-COL (ng)	FINAL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
\$ 1	2,4,5,6-Tetrachloro-m-xylene				CAS #:				
2.344	2.355	(1.233)	544119	0.27490	0.275				

\$ 2	Decachlorobiphenyl				CAS #:				
6.274	6.289	(3.300)	247365	0.18372	0.184				

* 3	1-Bromo-2-Nitrobenzene				CAS #:				
1.901	1.909	(1.000)	218205	0.25000					

4	Aroclor 1016				CAS #:	12674-11-2			
Operator disabled compound identification.									

5	Aroclor-1221				CAS #:	11104-28-2			
Operator disabled compound identification.									

6	Aroclor-1232				CAS #:	11141-16-5			
Operator disabled compound identification.									

		CONCENTRATIONS														
		ON-COL		FINAL												
RT	EXP RT	REL RT	RESPONSE (	ng)	(	ng)	TARGET RANGE	RATIO	REVIEW CODE							
====	=====	=====	=====	=====	=====	=====	=====	=====	=====							
7 Aroclor 1242			CAS #: 53469-21-9													
Operator disabled compound identification.																

9 Aroclor-1248			CAS #: 12672-29-6													
Operator disabled compound identification.																

10 Aroclor-1254			CAS #: 11097-69-1													
Operator disabled compound identification.																

11 Aroclor-1260			CAS #: 11096-82-5													
Operator disabled compound identification.																

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 08270008.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: kb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m
 Misc Info: wg429783, wg429547, ICAL5213

Calibration Date: 27-AUG-2010
 Calibration Time: 08:33
 Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	210225	105113	420450	218205	3.80

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.90	-0.41

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00584
Sample Matrix: LIQUID Fraction: OTHER
Lab Smp Id:
Level: LOW Operator: kb
Data Type: GC MULTI COMP SampleType: SAMPLE
SpikeList File: pcb1660.spk Quant Type: ISTD
Sublist File: pcb.sub
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m
Misc Info: wg429783, wg429547, ICAL5213

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2,4,5,6-Tetrachlor	0.500	0.275	54.98	30-150
\$ 2 Decachlorobiphenyl	0.500	0.184	36.74	30-150

Date : 27-AUG-2010 09:31

Client ID:

Sample Info: wg429547-1,42

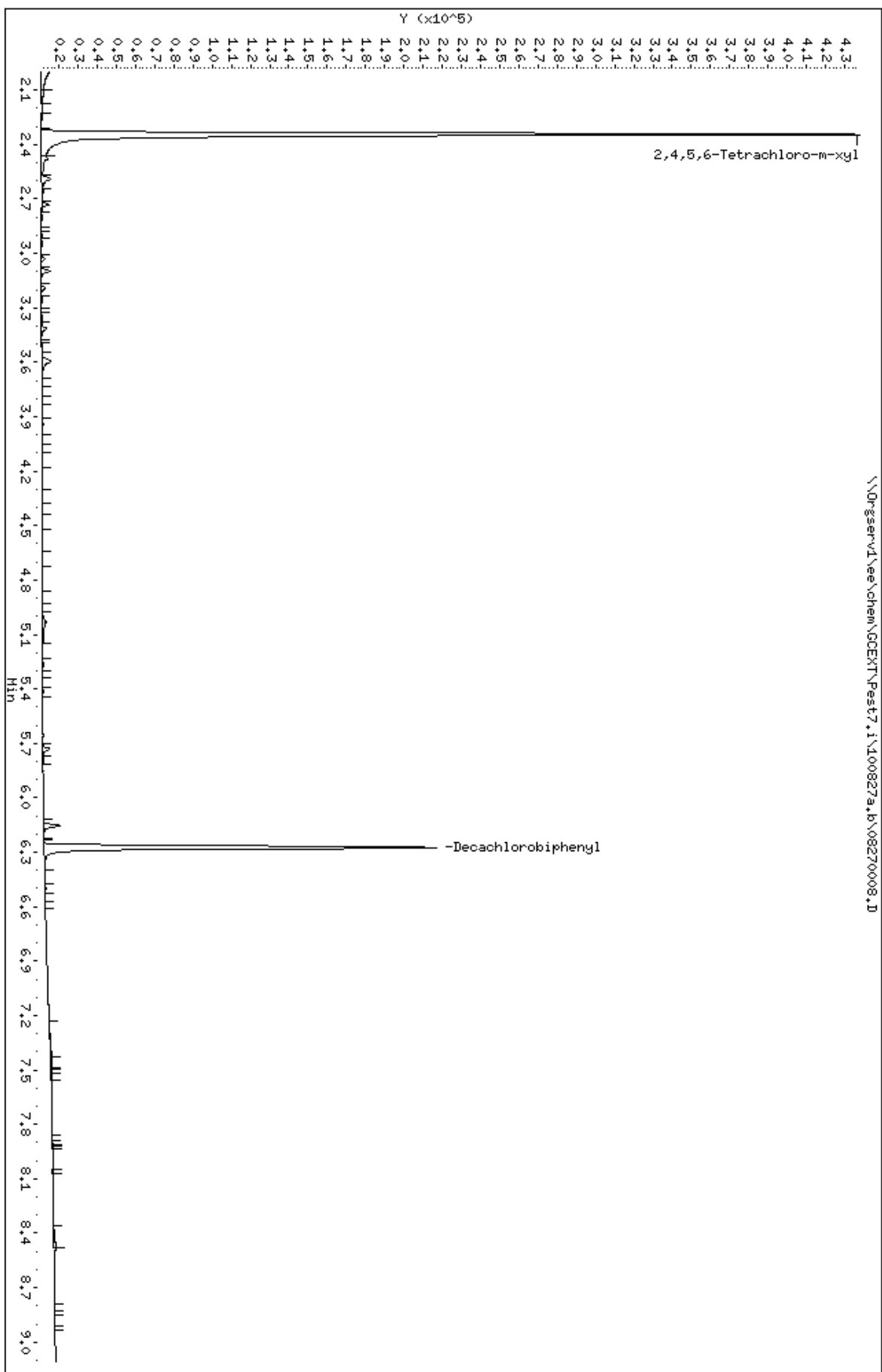
Purge Volume: 1200.0

Column phase: Rtx-1701

Instrument: Pest7.i

Operator: kb

Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\08270008.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 09:31
 Operator : kb Inst ID: Pest7.i
 Smp Info : wg429547-1,42
 Misc Info : wg429783,wg429547, ICAL5214
 Comment :
 Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m
 Meth Date : 27-Aug-2010 11:53 Pest7.i Quant Type: ISTD
 Cal Date : 30-JUL-2010 15:46 Cal File: 0730N006.D
 Als bottle: 8
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: pcb.sub
 Target Version: 4.12 Sample Matrix: WATER
 Processing Host: EXT-4

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	REL RT	RESPONSE (	ng)	(	ng)	TARGET RANGE	RATIO	REVIEW CODE
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$	1	2,4,5,6-Tetrachloro-m-xylene				CAS #:			
2.588	2.596	(	1.285)	1292388	0.24324	0.243			

\$	2	Decachlorobiphenyl				CAS #:			
6.874	6.892	(	3.412)	505035	0.17629	0.176			

*	3	1-Bromo-2-Nitrobenzene				CAS #:			
2.014	2.016	(	1.000)	623368	0.25000				

	4	Aroclor 1016				CAS #:	12674-11-2		
Operator disabled compound identification.									

	5	Aroclor-1221				CAS #:	11104-28-2		
Operator disabled compound identification.									

	6	Aroclor-1232				CAS #:	11141-16-5		
Operator disabled compound identification.									

		CONCENTRATIONS							
RT	EXP RT	REL RT	ON-COL	FINAL	RESPONSE (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	
7 Aroclor 1242			CAS #: 53469-21-9						
Operator disabled compound identification.									

9 Aroclor-1248			CAS #: 12672-29-6						
Operator disabled compound identification.									

10 Aroclor-1254			CAS #: 11097-69-1						
Operator disabled compound identification.									

11 Aroclor-1260			CAS #: 11096-82-5						
Operator disabled compound identification.									

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 08270008.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: kb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m
Misc Info: wg429783, wg429547, ICAL5214

Calibration Date: 27-AUG-2010
Calibration Time: 08:33
Level: LOW
Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	615427	307714	1230854	623368	1.29

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.01	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00661
Sample Matrix: LIQUID Fraction: OTHER
Lab Smp Id:
Level: LOW Operator: kb
Data Type: GC MULTI COMP SampleType: SAMPLE
SpikeList File: pcb1660.spk Quant Type: ISTD
Sublist File: pcb.sub
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m
Misc Info: wg429783, wg429547, ICAL5214

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2,4,5,6-Tetrachlor	0.500	0.243	48.65	30-150
\$ 2 Decachlorobiphenyl	0.500	0.176	35.26	30-150

Date : 27-AUG-2010 09:31

Client ID:

Instrument: Pest7.i

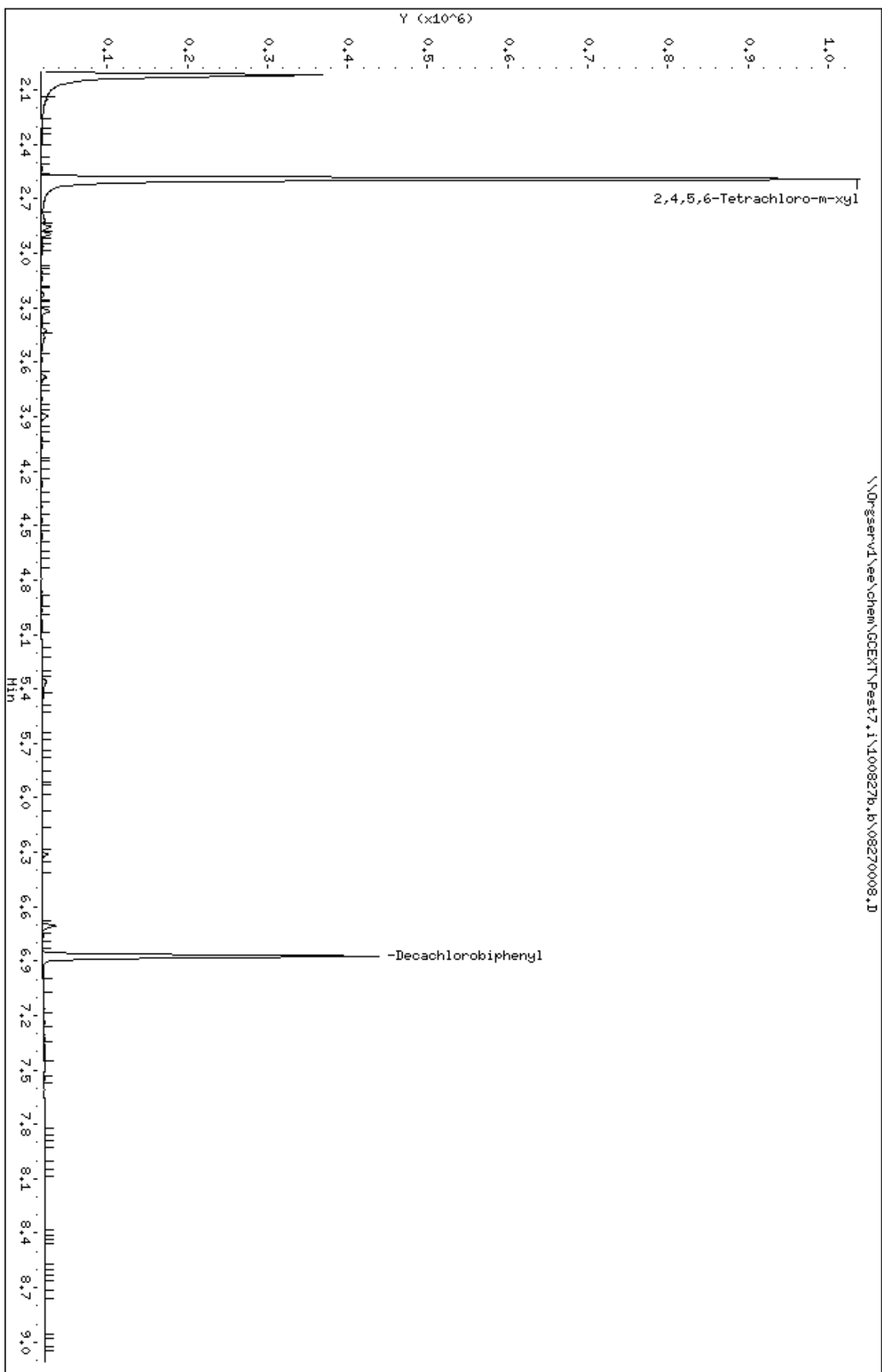
Sample Info: wg429547-1,42

Purge Volume: 1200.0

Operator: kb

Column phase: HP-5

Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\08270009.D

Lab Smp Id:

Inj Date : 27-AUG-2010 09:43

Operator : kb

Inst ID: Pest7.i

Smp Info : wg429547-2p,42

Misc Info : wg429783,wg429547, ICAL5213

Comment :

Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\pcb7a.m

Meth Date : 27-Aug-2010 11:58 Pest7.i

Quant Type: ISTD

Cal Date : 30-JUL-2010 15:46

Cal File: 0730N006.D

Als bottle: 9

QC Sample: LCS

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pcb1660spk.sub

Target Version: 4.12

Sample Matrix: WATER

Processing Host: EXT-4

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

CONCENTRATIONS									
				ON-COL		FINAL			
RT	EXP RT	REL RT		RESPONSE	(ng)	(ng)	TARGET RANGE	RATIO	REVIEW CODE
=====	=====	=====		=====	=====	=====	=====	=====	=====

\$ 1	2,4,5,6-Tetrachloro-m-xylene					CAS #:			
2.343	2.355	(1.231)		524354	0.25295	0.253			

\$ 2	Decachlorobiphenyl					CAS #:			
6.273	6.289	(3.295)		380592	0.26990	0.270			

* 3	1-Bromo-2-Nitrobenzene					CAS #:			
1.903	1.909	(1.000)		228530	0.25000				

4	Aroclor 1016					CAS #: 12674-11-2			
2.577	2.582	(1.354)		50254	2.72237	2.72	80.00- 120.00	100.00	
2.793	2.805	(1.467)		109745	2.57362	2.57	203.62- 305.43	218.38	
3.123	3.135	(1.641)		219843	3.93399	3.93	397.94- 596.91	437.46	
3.217	3.232	(1.690)		87366	2.65481	2.65	158.59- 237.88	173.85	
3.260	3.275	(1.713)		62260	2.92859	2.93	102.12- 153.18	123.89	
Average of Peak Concentrations =						2.96			

11	Aroclor 1260					CAS #: 11096-82-5			
4.460	4.475	(2.343)		147489	2.80078	2.80	80.00- 120.00	100.00	
4.673	4.689	(2.455)		263855	3.42690	3.43	143.81- 215.71	178.90	
5.167	5.152	(2.714)		72344	1.45953	1.46	63.59- 95.39	49.05	
5.357	5.369	(2.814)		310884	2.66208	2.66	151.40- 227.10	210.78	
5.557	5.569	(2.919)		191042	3.71041	3.71	94.99- 142.49	129.53	
Average of Peak Concentrations =						2.81			

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 08270009.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: kb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\pcb7a.m
 Misc Info: wg429783,wg429547, ICAL5213

Calibration Date: 27-AUG-2010
 Calibration Time: 08:33
 Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	210225	105113	420450	228530	8.71

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.90	-0.28

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00584
 Sample Matrix: LIQUID Fraction: OTHER
 Lab Smp Id:
 Level: LOW Operator: kb
 Data Type: GC MULTI COMP SampleType: LCS
 SpikeList File: pcb1660.spk Quant Type: ISTD
 Sublist File: pcb1660spk.sub
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\pcb7a.m
 Misc Info: wg429783,wg429547, ICAL5213

SPIKE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
4 Aroclor 1016	3.12	2.96	94.81	40-140
11 Aroclor 1260	3.12	2.81	89.98	40-140

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2,4,5,6-Tetrachlor	0.500	0.253	50.59	30-150
\$ 2 Decachlorobiphenyl	0.500	0.270	53.98	30-150

Data File: \\Drgeriv1\ee\chem\GCEXT\Pest7.i\100827pa.b\08270009.D

Date : 27-AUG-2010 09:43

Client ID:

Sample Info: wg429547-2p,42

Purge Volume: 1200.0

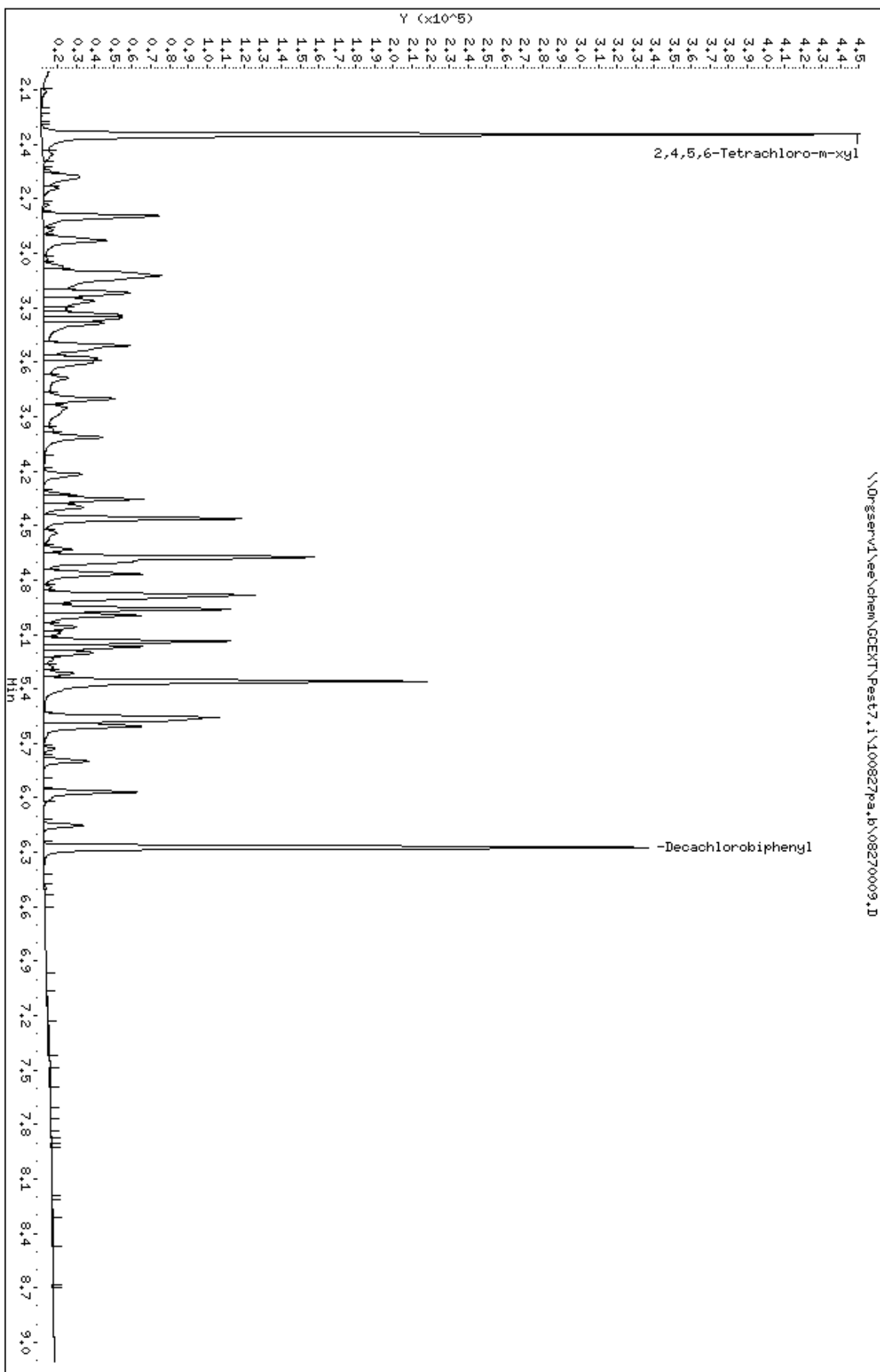
Column phase: Rtx-1701

Instrument: Pest7.i

Operator: kb

Column diameter: 0.32

Page 4



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\08270009.D

Lab Smp Id:

Inj Date : 27-AUG-2010 09:43

Operator : kb

Inst ID: Pest7.i

Smp Info : wg429547-2,42

Misc Info : wg429783,wg429547, ICAL5213

Comment :

Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m

Meth Date : 27-Aug-2010 11:52 Pest7.i

Quant Type: ISTD

Cal Date : 30-JUL-2010 15:46

Cal File: 0730N006.D

Als bottle: 9

QC Sample: LCS

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pcb1660spk.sub

Target Version: 4.12

Sample Matrix: WATER

Processing Host: EXT-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

CONCENTRATIONS									
RT	EXP RT	REL RT	ON-COL		FINAL		TARGET RANGE	RATIO	REVIEW CODE
			RESPONSE	(ng)	(ng)				
1	2,4,5,6-Tetrachloro-m-xylene								
2.343	2.355 (1.231)		524354	0.25295	0.253				

2	Decachlorobiphenyl								
6.273	6.289 (3.295)		380592	0.26990	0.270				

3	1-Bromo-2-Nitrobenzene								
1.903	1.909 (1.000)		228530	0.25000					

4	Aroclor 1016								
2.577	2.582 (1.354)		50254	2.72237	2.72	80.00- 120.00	100.00		
2.793	2.805 (1.467)		109745	2.57362	2.57	203.62- 305.43	218.38		
3.123	3.135 (1.641)		219843	3.93399	3.93	207.64- 311.46	437.46		
3.217	3.232 (1.690)		87366	2.65481	2.65	158.59- 237.88	173.85		
3.260	3.275 (1.713)		62260	2.92859	2.93	102.12- 153.18	123.89		
	Average of Peak Concentrations =				2.96				

11	Aroclor 1260								
4.460	4.475 (2.343)		147489	2.80078	2.80	80.00- 120.00	100.00(M)	M1	
4.673	4.689 (2.455)		210326	2.73168	2.73	113.02- 169.53	142.60	M1	
5.137	5.152 (2.698)		124617	2.51414	2.51	63.59- 95.39	84.49	M1	
5.357	5.369 (2.814)		310884	2.66208	2.66	130.21- 195.31	210.78	M1	
5.557	5.569 (2.919)		139555	2.71043	2.71	64.64- 96.96	94.62	M1	
	Average of Peak Concentrations =				2.68				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 08270009.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: kb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m
 Misc Info: wg429783, wg429547, ICAL5213

Calibration Date: 27-AUG-2010
 Calibration Time: 08:33
 Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	210225	105113	420450	228530	8.71

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.90	-0.28

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00584
 Sample Matrix: LIQUID Fraction: OTHER
 Lab Smp Id:
 Level: LOW Operator: kb
 Data Type: GC MULTI COMP SampleType: LCS
 SpikeList File: pcb1660.spk Quant Type: ISTD
 Sublist File: pcb1660spk.sub
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m
 Misc Info: wg429783,wg429547, ICAL5213

SPIKE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
4 Aroclor 1016	3.12	2.96	94.81	40-140
11 Aroclor 1260	3.12	2.68	85.88	40-140

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2,4,5,6-Tetrachlor	0.500	0.253	50.59	30-150
\$ 2 Decachlorobiphenyl	0.500	0.270	53.98	30-150

Date : 27-AUG-2010 09:43

Client ID:

Instrument: Pest7.i

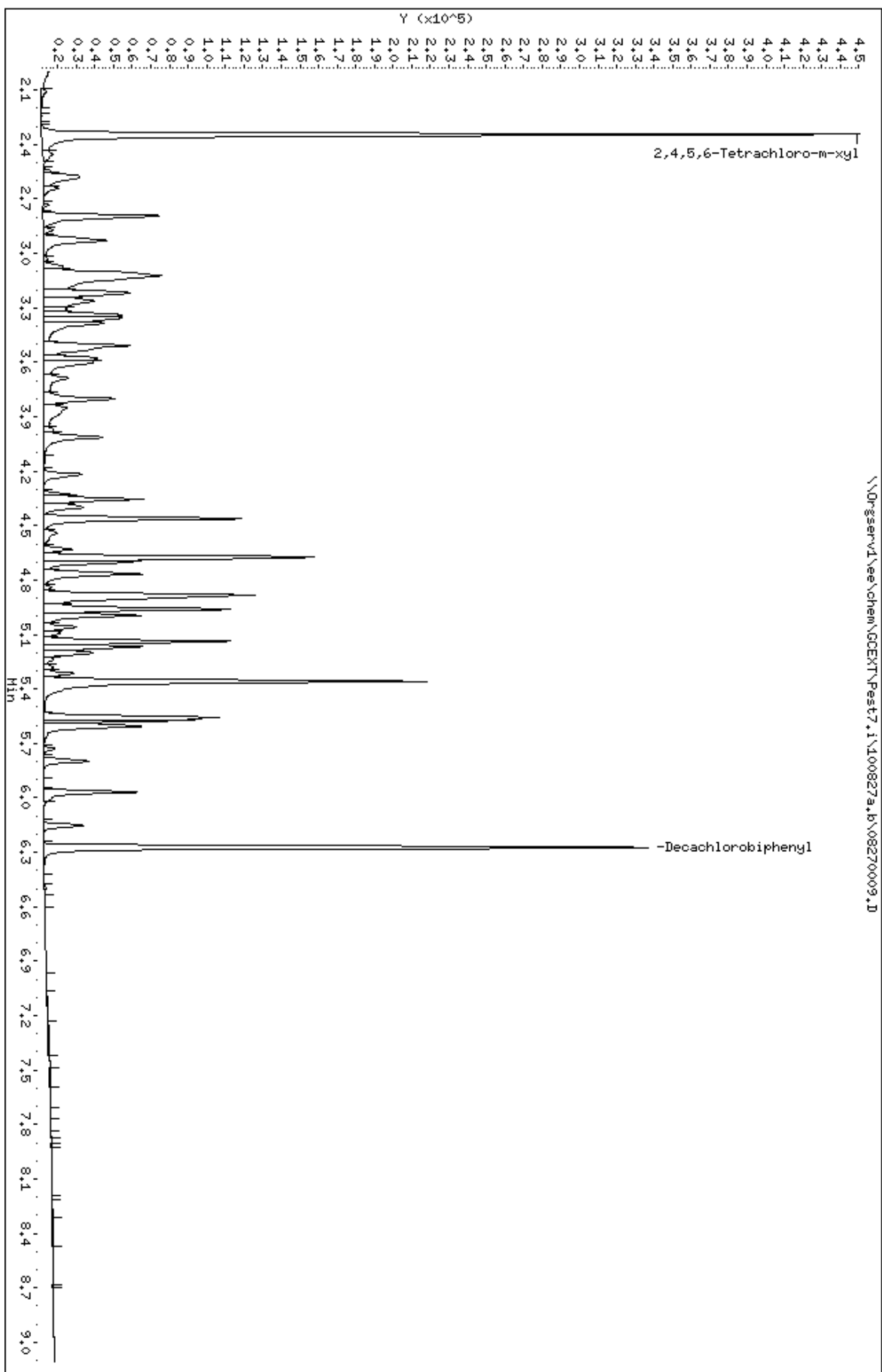
Sample Info: wg429547-2,42

Purge Volume: 1200.0

Operator: kb

Column phase: Rtx-1701

Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\08270009.D

Lab Smp Id:

Inj Date : 27-AUG-2010 09:43

Operator : kb

Inst ID: Pest7.i

Smp Info : wg429547-2,42

Misc Info : wg429783,wg429547, ICAL5214

Comment :

Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m

Meth Date : 27-Aug-2010 11:53 Pest7.i Quant Type: ISTD

Cal Date : 30-JUL-2010 15:46

Cal File: 0730N006.D

Als bottle: 9

QC Sample: LCS

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pcb1660spk.sub

Target Version: 4.12

Sample Matrix: WATER

Processing Host: EXT-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

CONCENTRATIONS									
RT	EXP RT	REL RT	RESPONSE	ON-COL (ng)	FINAL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

\$ 1	2,4,5,6-Tetrachloro-m-xylene				CAS #:				
2.590	2.596 (1.284)		1218755	0.22054	0.220				

\$ 2	Decachlorobiphenyl				CAS #:				
6.867	6.892 (3.404)		774819	0.26004	0.260				

* 3	1-Bromo-2-Nitrobenzene				CAS #:				
2.017	2.016 (1.000)		648342	0.25000					

4	Aroclor 1016				CAS #: 12674-11-2				
2.924	2.926 (1.449)		127399	2.60680	2.61	80.00- 120.00	100.00		
3.210	3.216 (1.592)		251886	2.30171	2.30	170.15- 255.23	197.71		
3.577	3.582 (1.773)		483276	2.22644	2.23	378.02- 567.02	379.34		
3.684	3.689 (1.826)		233049	2.60539	2.60	167.38- 251.08	182.93		
3.837	3.846 (1.902)		128618	2.00180	2.00	98.51- 147.76	100.96		
Average of Peak Concentrations =					2.35				

11	Aroclor 1260				CAS #: 11096-82-5				
5.037	5.042 (2.497)		346076	2.58998	2.59	80.00- 120.00	100.00		
5.190	5.196 (2.573)		401830	2.55845	2.56	90.83- 136.24	116.11		
5.707	5.712 (2.829)		315638	2.57383	2.57	73.49- 110.24	91.20		
5.877	5.882 (2.913)		668894	2.58554	2.58	147.96- 221.94	193.28		
6.120	6.129 (3.034)		418110	2.49161	2.49	101.57- 152.35	120.81		
Average of Peak Concentrations =					2.56				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 08270009.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: kb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m
Misc Info: wg429783, wg429547, ICAL5214

Calibration Date: 27-AUG-2010
Calibration Time: 08:33
Level: LOW
Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	615427	307714	1230854	648342	5.35

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

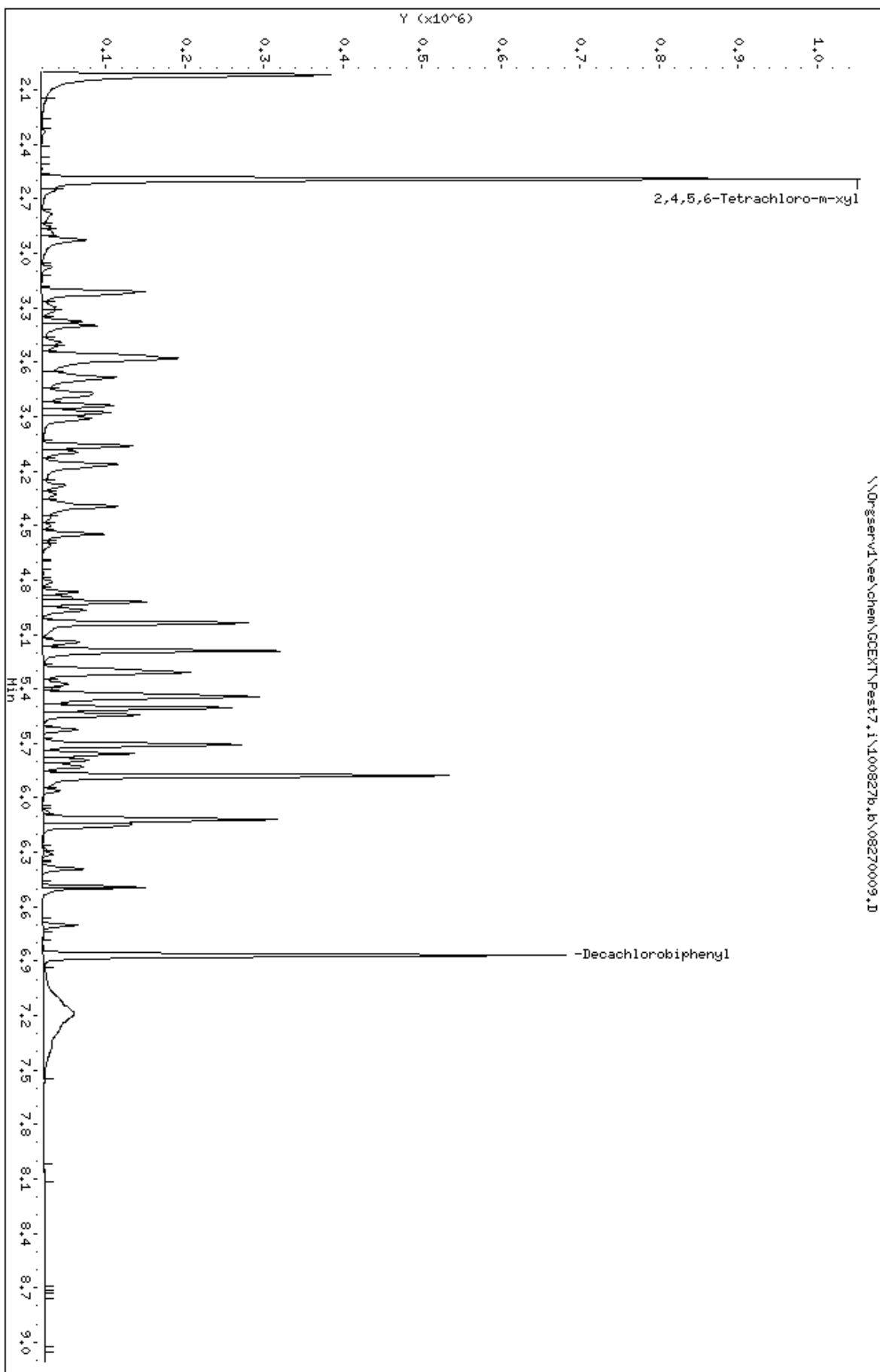
Client Name: Client SDG: SDGa00661
 Sample Matrix: LIQUID Fraction: OTHER
 Lab Smp Id:
 Level: LOW Operator: kb
 Data Type: GC MULTI COMP SampleType: LCS
 SpikeList File: pcb1660.spk Quant Type: ISTD
 Sublist File: pcb1660spk.sub
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m
 Misc Info: wg429783, wg429547, ICAL5214

SPIKE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
4 Aroclor 1016	3.12	2.35	75.15	40-140
11 Aroclor 1260	3.12	2.56	81.92	40-140

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2,4,5,6-Tetrachlor	0.500	0.220	44.11	30-150
\$ 2 Decachlorobiphenyl	0.500	0.260	52.01	30-150

Data File: \\Drger\rd\ee\chem\GCEXT\Pest7.i\100827b.b\08270009.D
 Date : 27-AUG-2010 09:43
 Client ID:
 Sample Info: wg429547-2,42
 Purge Volume: 1200.0
 Column phase: HP-5

Instrument: Pest7.i
 Operator: kb
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\08270010.D

Lab Smp Id:

Inj Date : 27-AUG-2010 09:55

Operator : kb

Inst ID: Pest7.i

Smp Info : wg429547-3p,42

Misc Info : wg429783,wg429547, ICAL5213

Comment :

Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\pcb7a.m

Meth Date : 27-Aug-2010 11:58 Pest7.i

Quant Type: ISTD

Cal Date : 30-JUL-2010 15:46

Cal File: 0730N006.D

Als bottle: 10

QC Sample: LCS

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pcb1660spk.sub

Target Version: 4.12

Sample Matrix: WATER

Processing Host: EXT-4

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

CONCENTRATIONS									
RT	EXP RT	REL RT	RESPONSE	ON-COL (ng)	FINAL (ng)	TARGET RANGE	RATIO	REVIEW CODE	
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====

\$ 1	2,4,5,6-Tetrachloro-m-xylene				CAS #:				
2.343	2.355 (1.231)		498829	0.24743	0.247				

\$ 2	Decachlorobiphenyl				CAS #:				
6.273	6.289 (3.296)		237791	0.17339	0.173				

* 3	1-Bromo-2-Nitrobenzene				CAS #:				
1.903	1.909 (1.000)		222253	0.25000					

4	Aroclor 1016				CAS #: 12674-11-2				
2.577	2.582 (1.354)		47834	2.66209	2.66	80.00- 120.00	100.00		
2.793	2.805 (1.468)		106084	2.55791	2.56	203.62- 305.43	221.78		
3.123	3.135 (1.641)		200247	3.67058	3.67	397.94- 596.91	418.63		
3.217	3.232 (1.690)		80021	2.49885	2.50	158.59- 237.88	167.29		
3.263	3.275 (1.714)		57798	2.79131	2.79	102.12- 153.18	120.83		
	Average of Peak Concentrations =				2.84				

11	Aroclor 1260				CAS #: 11096-82-5				
4.460	4.475 (2.343)		132636	2.58986	2.59	80.00- 120.00	100.00		
4.673	4.689 (2.455)		234333	3.12943	3.13	143.81- 215.71	176.67		
5.167	5.152 (2.714)		63927	1.32615	1.33	63.59- 95.39	48.20		
5.357	5.369 (2.814)		269292	2.37106	2.37	151.40- 227.10	203.03		
5.557	5.569 (2.919)		163898	3.27312	3.27	94.99- 142.49	123.57		
	Average of Peak Concentrations =				2.54				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 08270010.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: kb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\pcb7a.m
Misc Info: wg429783,wg429547, ICAL5213

Calibration Date: 27-AUG-2010
Calibration Time: 08:33
Level: LOW
Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	210225	105113	420450	222253	5.72

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.90	-0.29

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00584
 Sample Matrix: LIQUID Fraction: OTHER
 Lab Smp Id:
 Level: LOW Operator: kb
 Data Type: GC MULTI COMP SampleType: LCS
 SpikeList File: pcb1660.spk Quant Type: ISTD
 Sublist File: pcb1660spk.sub
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827pa.b\pcb7a.m
 Misc Info: wg429783, wg429547, ICAL5213

SPIKE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
4 Aroclor 1016	3.12	2.84	90.76	40-140
11 Aroclor 1260	3.12	2.54	81.21	40-140

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2,4,5,6-Tetrachlor	0.500	0.247	49.49	30-150
\$ 2 Decachlorobiphenyl	0.500	0.173	34.68	30-150

Data File: \\Drger\1\ee\chem\GCEXT\Pest7.1\100827pa.b\08270010.D

Date : 27-AUG-2010 09:55

Client ID:

Sample Info: wg429547-3p.42

Purge Volume: 1200.0

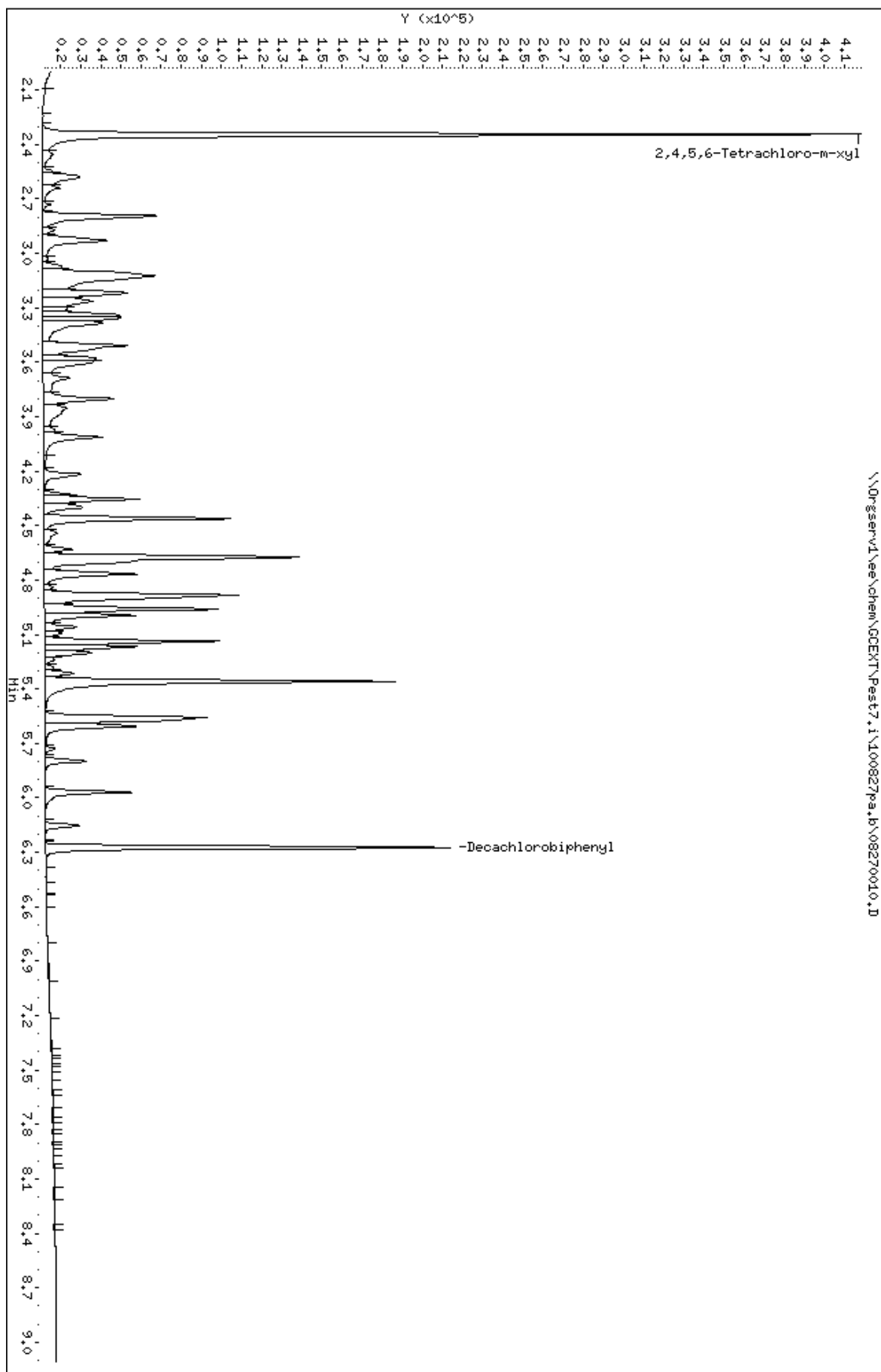
Column phase: Rtx-1701

Instrument: Pest7.1

Operator: kb

Column diameter: 0.32

Page 4



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch A.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\08270010.D

Lab Smp Id:

Inj Date : 27-AUG-2010 09:55

Operator : kb

Inst ID: Pest7.i

Smp Info : wg429547-3,42

Misc Info : wg429783,wg429547, ICAL5213

Comment :

Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m

Meth Date : 27-Aug-2010 11:52 Pest7.i

Quant Type: ISTD

Cal Date : 30-JUL-2010 15:46

Cal File: 0730N006.D

Als bottle: 10

QC Sample: LCS

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pcb1660spk.sub

Target Version: 4.12

Sample Matrix: WATER

Processing Host: EXT-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

CONCENTRATIONS									
RT	EXP RT	REL RT	ON-COL		FINAL		TARGET RANGE	RATIO	REVIEW CODE
			RESPONSE	(ng)	(ng)				
1	2,4,5,6-Tetrachloro-m-xylene								
2.343	2.355 (1.231)		498829	0.24743	0.247				

2	Decachlorobiphenyl								
6.273	6.289 (3.296)		237791	0.17339	0.173				

3	1-Bromo-2-Nitrobenzene								
1.903	1.909 (1.000)		222253	0.25000					

4	Aroclor 1016								
2.577	2.582 (1.354)		47834	2.66209	2.66	80.00- 120.00	100.00		
2.793	2.805 (1.468)		106084	2.55791	2.56	203.62- 305.43	221.78		
3.123	3.135 (1.641)		200247	3.67058	3.67	207.64- 311.46	418.63		
3.217	3.232 (1.690)		80021	2.49885	2.50	158.59- 237.88	167.29		
3.263	3.275 (1.714)		57798	2.79131	2.79	102.12- 153.18	120.83		
	Average of Peak Concentrations =				2.84				

11	Aroclor 1260								
4.460	4.475 (2.343)		132636	2.58986	2.59	80.00- 120.00	100.00(M)	M1	
4.673	4.689 (2.455)		185599	2.47861	2.48	113.02- 169.53	139.93	M1	
5.137	5.152 (2.698)		108843	2.25792	2.26	63.59- 95.39	82.06	M1	
5.357	5.369 (2.814)		269292	2.37106	2.37	130.21- 195.31	203.03	M1	
5.557	5.569 (2.919)		119294	2.38236	2.38	64.64- 96.96	89.94	M1	
	Average of Peak Concentrations =				2.42				

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest7.i
Lab File ID: 08270010.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: kb
Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m
Misc Info: wg429783, wg429547, ICAL5213

Calibration Date: 27-AUG-2010
Calibration Time: 08:33
Level: LOW
Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	210225	105113	420450	222253	5.72

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	1.91	1.41	2.41	1.90	-0.29

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: SDGa00584
 Sample Matrix: LIQUID Fraction: OTHER
 Lab Smp Id:
 Level: LOW Operator: kb
 Data Type: GC MULTI COMP SampleType: LCS
 SpikeList File: pcb1660.spk Quant Type: ISTD
 Sublist File: pcb1660spk.sub
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827a.b\pcb7a.m
 Misc Info: wg429783, wg429547, ICAL5213

SPIKE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
4 Aroclor 1016	3.12	2.84	90.76	40-140
11 Aroclor 1260	3.12	2.42	77.31	40-140

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2,4,5,6-Tetrachlor	0.500	0.247	49.49	30-150
\$ 2 Decachlorobiphenyl	0.500	0.173	34.68	30-150

Date : 27-AUG-2010 09:55

Client ID:

Instrument: Pest7.i

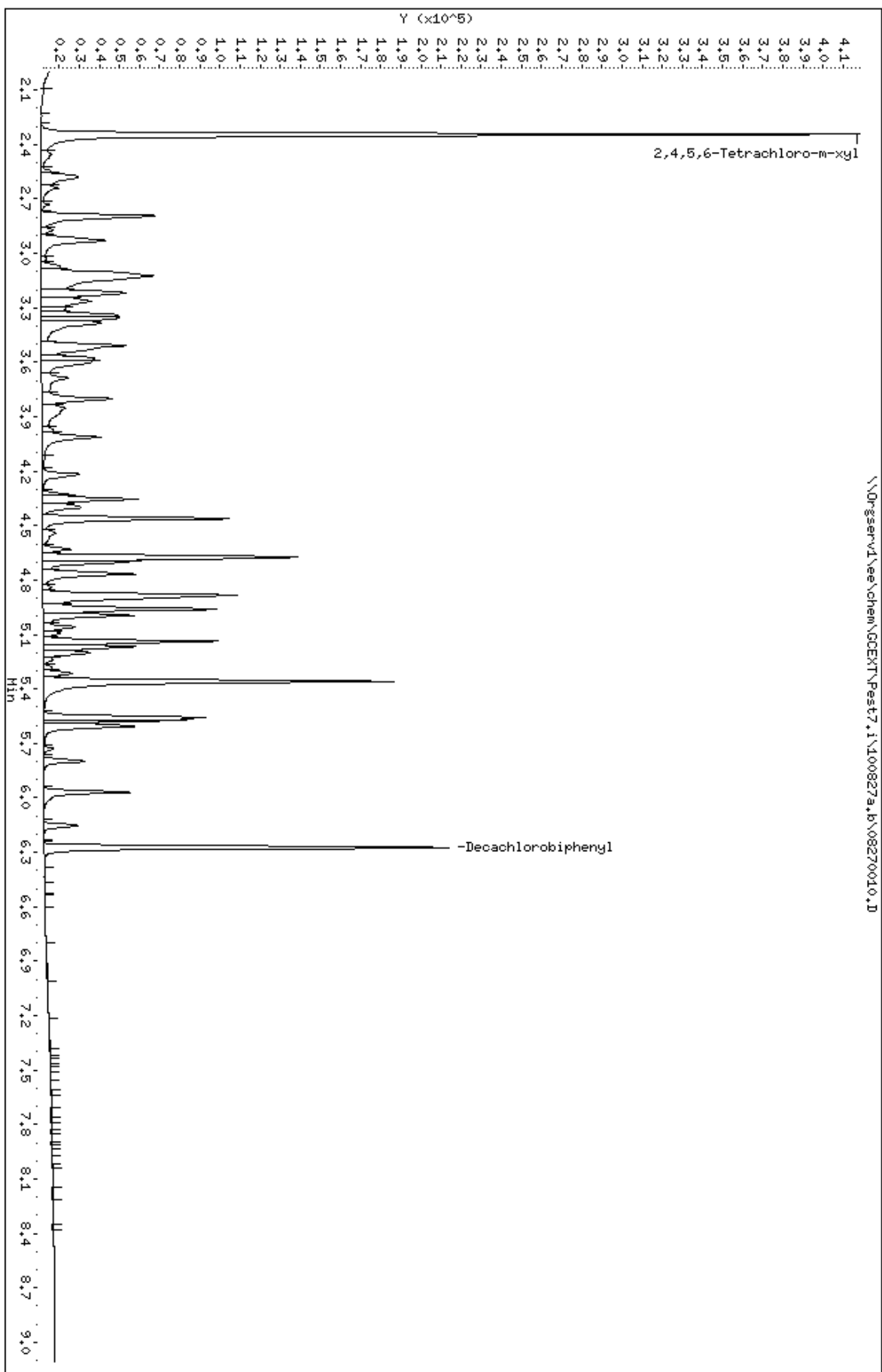
Sample Info: wg429547-3.42

Purge Volume: 1200.0

Operator: kb

Column phase: Rtx-1701

Column diameter: 0.32



Alpha Analytical Labs

GC Semi - PCBs HP6890c Ch B.

Data file : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\08270010.D

Lab Smp Id:

Inj Date : 27-AUG-2010 09:55

Operator : kb

Inst ID: Pest7.i

Smp Info : wg429547-3,42

Misc Info : wg429783,wg429547, ICAL5214

Comment :

Method : \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m

Meth Date : 27-Aug-2010 11:53 Pest7.i Quant Type: ISTD

Cal Date : 30-JUL-2010 15:46

Cal File: 0730N006.D

Als bottle: 10

QC Sample: LCS

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pcb1660spk.sub

Target Version: 4.12

Sample Matrix: WATER

Processing Host: EXT-4

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

CONCENTRATIONS									
RT	EXP RT	REL RT	ON-COL		FINAL		TARGET RANGE	RATIO	REVIEW CODE
			RESPONSE	(ng)	(ng)				
1	2,4,5,6-Tetrachloro-m-xylene								
2.590	2.596 (1.284)		1149827	0.22182	0.222				
2	Decachlorobiphenyl								
6.870	6.892 (3.406)		477199	0.17074	0.171				
3	1-Bromo-2-Nitrobenzene								
2.017	2.016 (1.000)		608151	0.25000					
4	Aroclor 1016								
2.923	2.926 (1.449)		110367	2.40075	2.40	80.00- 120.00	100.00		
3.210	3.216 (1.592)		232574	2.26538	2.26	170.15- 255.23	210.73		
3.577	3.582 (1.773)		437759	2.15117	2.15	378.02- 567.02	396.64		
3.683	3.689 (1.826)		215344	2.56610	2.57	167.38- 251.08	195.12		
3.837	3.846 (1.902)		123178	2.04335	2.04	98.51- 147.76	111.61		
Average of Peak Concentrations =					2.28				
11	Aroclor 1260								
5.037	5.042 (2.497)		310531	2.47755	2.48	80.00- 120.00	100.00		
5.190	5.196 (2.573)		356257	2.41819	2.42	90.83- 136.24	114.73		
5.707	5.712 (2.829)		276153	2.40068	2.40	73.49- 110.24	88.93		
5.877	5.882 (2.914)		582982	2.40238	2.40	147.96- 221.94	187.74		
6.120	6.129 (3.034)		373679	2.37401	2.37	101.57- 152.35	120.34		
Average of Peak Concentrations =					2.41				

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest7.i
 Lab File ID: 08270010.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: kb
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m
 Misc Info: wg429783, wg429547, ICAL5214

Calibration Date: 27-AUG-2010
 Calibration Time: 08:33
 Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	615427	307714	1230854	608151	-1.18

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
3 1-Bromo-2-Nitrobe	2.02	1.52	2.52	2.02	0.06

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

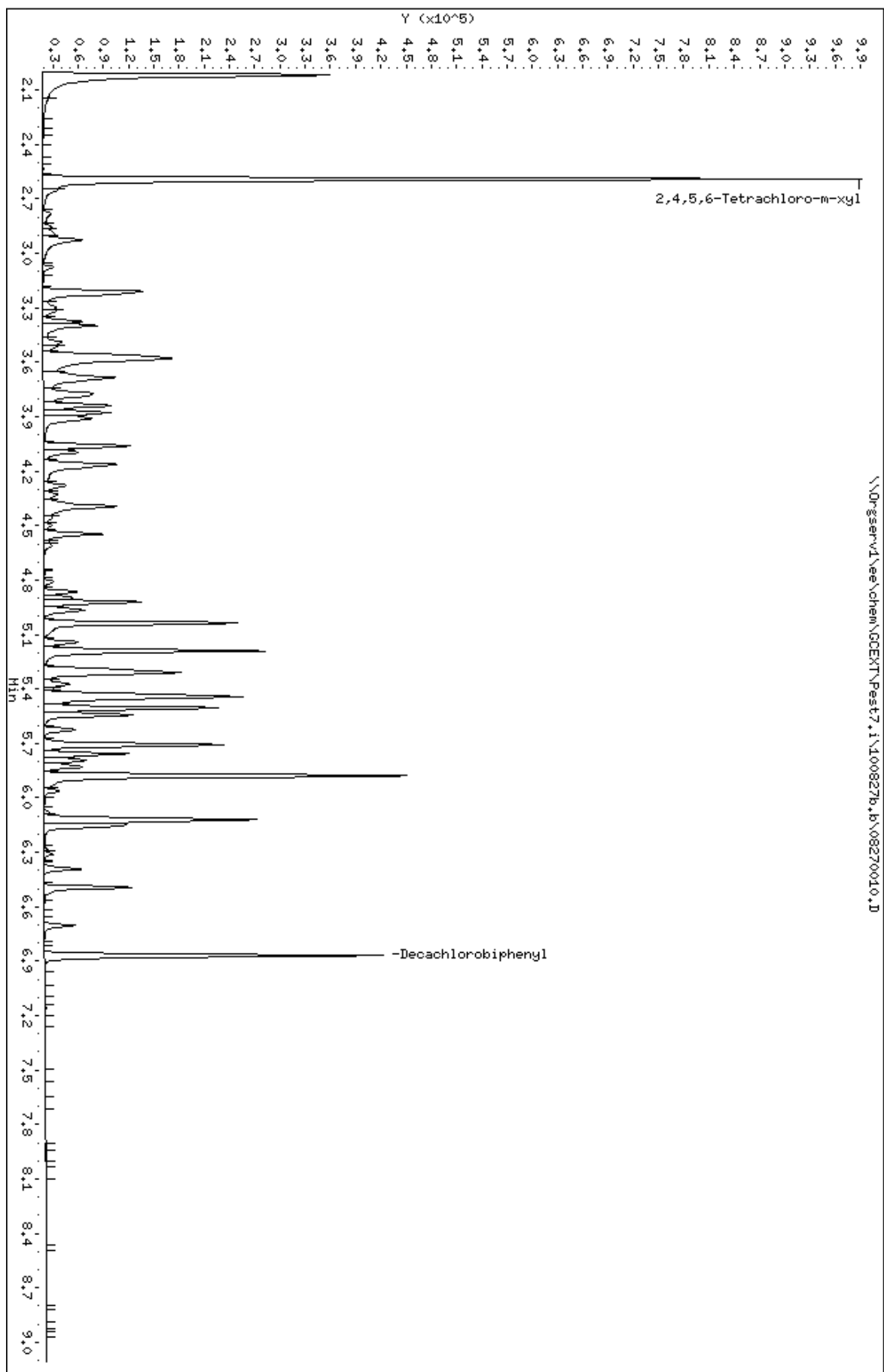
Client Name: Client SDG: SDGa00661
 Sample Matrix: LIQUID Fraction: OTHER
 Lab Smp Id:
 Level: LOW Operator: kb
 Data Type: GC MULTI COMP SampleType: LCS
 SpikeList File: pcb1660.spk Quant Type: ISTD
 Sublist File: pcb1660spk.sub
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest7.i\100827b.b\pcb7b.m
 Misc Info: wg429783, wg429547, ICAL5214

SPIKE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
4 Aroclor 1016	3.12	2.28	73.13	40-140
11 Aroclor 1260	3.12	2.41	77.27	40-140

SURROGATE COMPOUND	AMOUNT ADDED ng	AMOUNT RECOVERED ng	% RECOVERED	LIMITS
\$ 1 2,4,5,6-Tetrachlor	0.500	0.222	44.36	30-150
\$ 2 Decachlorobiphenyl	0.500	0.171	34.15	30-150

Data File: \\Drgera1\ee\chem\GCEXT\Pest7.i\100827b.b\08270010.D
Date : 27-AUG-2010 09:55
Client ID:
Sample Info: wg429547-3.42
Purge Volume: 1200.0
Column phase: HP-5

Instrument: Pest7.i
Operator: kb
Column diameter: 0.32



Calculation of PCB Aroclors & Pesticides

Aqueous Concentration Formula: $\text{Amt} * \text{DF} * (\text{Vt}/\text{Vp}) * (1000/\text{Vo}) * (\text{Ve}/1000)$

Where:

DF = Dilution Factor

Vt = Extract Final Volume (mL)

Vp = Aliquot Cleaned (mL)

Vo = Volume of Sample (mL)

Ve = Extraction Lab Final Volume (mL)

Soil Concentration Formula: $\text{Amt} * \text{DF} * (\text{Vt}/\text{Vp}) * (1000/\text{Wt}) * (\text{Ve}/1000)$

Where:

DF = Dilution Factor

Vt = Extract Final Volume (mL)

Vp = Aliquot Cleaned (mL)

Wt = Weight of Sample (g)

Ve = Extraction Lab Final Volume (mL)

Sequence Parameters:

Operator: sh

Data File Naming: Prefix/Counter

Signal 1 Prefix: 0509

Counter: 0001

Signal 2 Prefix: 0714d

Counter: 001

Data Directory: C:\HPCHEM\1\DATA\

Data Subdirectory: 100714D

Part of Methods to run: According to Runtime Checklist

Barcode Reader: not used

Shutdown Cmd/Macro: none

Sequence Comment:
pest 7

1cal 5213
1cal 5214

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	1016/1260 16	PCBPES	1	Sample		
2	Vial 2	1016/1260 11	PCBPES	1	Sample		
3	Vial 3	1016/1260 12	PCBPES	1	Sample		
4	Vial 4	1016/1260 13	PCBPES	1	Sample		
5	Vial 5	1016/1260 14	PCBPES	1	Sample		
6	Vial 6	1016/1260 15	PCBPES	1	Sample		
7	Vial 7	1221/1254 16	PCBPES	1	Sample		
8	Vial 8	1221/1254 11	PCBPES	1	Sample		
9	Vial 9	1221/1254 12	PCBPES	1	Sample		
10	Vial 10	1221/1254 13	PCBPES	1	Sample		
11	Vial 11	1221/1254 14	PCBPES	1	Sample		
12	Vial 12	1221/1254 15	PCBPES	1	Sample		
13	Vial 13	1248 16	PCBPES	1	Sample		
14	Vial 14	1248 11	PCBPES	1	Sample		
15	Vial 15	1248 12	PCBPES	1	Sample		
16	Vial 16	1248 13	PCBPES	1	Sample		
17	Vial 17	1248 14	PCBPES	1	Sample		
18	Vial 18	1248 15	PCBPES	1	Sample		
19	Vial 19	1242/1268 16	PCBPES	1	Sample		
20	Vial 20	1242/1268 11	PCBPES	1	Sample		
21	Vial 21	1242/1268 12	PCBPES	1	Sample		
22	Vial 22	1242/1268 13	PCBPES	1	Sample		
23	Vial 23	1242/1268 14	PCBPES	1	Sample		
24	Vial 24	1242/1268 15	PCBPES	1	Sample		
25	Vial 25	1262 14	PCBPES	1	Sample		
26	Vial 26	1232 14	PCBPES	1	Sample		
27	Vial 27	1016/1260 icv	PCBPES	1	Sample		
28	Vial 28	1221-1254 icv	PCBPES	1	Sample		

-high RN

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
====	=====	=====	=====	===	=====	=====	=====
29	Vial 29	1248 icv	PCBPES	1	Sample		
30	Vial 30	1242/1268 icv	PCBPES	1	Sample		
31	Vial 31	+1221/1254 icv	PCBPES	1	Sample		
32	Vial 32	+1242 icv	PCBPES	1	Sample		

RR low
OK for MCP-10
1221 45 ~~15.7%~~ (SN) 7/30/10
15.7% in ICV
1254 ~~15.16.3%~~ in ICV
(SN) 7/30/10

Sequence Parameters:

Operator: kb

Data File Naming: Prefix/Counter
Signal 1 Prefix: 0509
Counter: 0001
Signal 2 Prefix: 0827
Counter: 0001
Data Directory: C:\HPCHEM\1\DATA\
Data Subdirectory: 100827
Part of Methods to run: According to Runtime Checklist
Barcode Reader: not used
Shutdown Cmd/Macro: none
Sequence Comment:
pest 7

Sequence Table (Front Injector):

No entries - empty table!

8/17/10 KB

Sequence Table (Back Injector):

CC - Xut

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	+1660 cc p3080	PCBPES	1	Sample		
2	Vial 2	shock	PCBPES	1	Sample		
3	Vial 3	+1660 cc p3080	PCBPES	1	Sample		
4	Vial 4	+1016/1260 p3061	PCBPES	1	Sample		
5	Vial 5	11012853-17	PCBPES	1	Sample		
6	Vial 6	11013017-01	PCBPES	1	Sample		
7	Vial 7	11012962-19	PCBPES	1	Sample		
8	Vial 8	wg429547-1	PCBPES	1	Sample		
9	Vial 9	wg429547-2	PCBPES	1	Sample		
10	Vial 10	wg429547-3	PCBPES	1	Sample		
11	Vial 11	+1660 cc p3080	PCBPES	1	Sample		

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Sep 04 2010, 07:15 am

Work Group: WG429547 for Department: 2 Organic Preparation

Created: 26-AUG-10 Due: Operator: eh

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1012962-19	FIELD BLANK	S NYTCL-8082	WATER	DONE	U		0909	S0	Amber-A1
L1013017-01	WC-001 PZ-B	S NYTCL-8082	WATER	DONE	U		0830	S0	Amber-A1
WG429547-1	Laboratory Method Bl	S NYTCL-8082	WATER	DONE	U				
WG429547-2	Laboratory Control S	S NYTCL-8082	WATER	DONE	U				
WG429547-3	LCS Duplicate	S NYTCL-8082	WATER	DONE	U				
Comments:									
WG429547-3	WG429547-2								



ORGANIC ELN REPORT

Workgroup: WG429547

Prep Method: EPA 3510C Solvent Type: DCM Surrogate Type: Pesticide/PCB Spike Type: PCB Spike Verify by: PM Lims Spikelot: PEST_5452 Additional Reagents/Std	Lot #: dc347 Lot #: 3075 Lot #: 3059	Conc.Method: KD Solvent Type: Hexane Lot #: dc040 Additional Reagents/Std	Cleanup 1 Cleanup Method 1: EPA 3665A Cleanup Method 2: Solvent Type: Hexane Lot #: dc040 Additional Reagents/Std H2SO4cs00414a
Cleanup 2 Cleanup Method 1: EPA 3660B Cleanup Method 2: Solvent Type: Hexane Lot #: dc040 Additional Reagents/Std		Cleanup 3 Cleanup Method 1: Solvent Type: Lot #: Additional Reagents/Std	Cleanup 4 Cleanup Method 1: Solvent Type: Lot #: Additional Reagents/Std

Sample/ Type	Extraction						Concentration		
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml
WG429547-1 BLANK	08/26/10 10:20	Eric Hunt	1200	N	.25		08/26/10 15:07	Aimee Higgins	1
WG429547-2 LCS	08/26/10 10:20	Eric Hunt	1200	N	.25	.25	08/26/10 15:07	Aimee Higgins	1
WG429547-3 LCSD	08/26/10 10:20	Eric Hunt	1200	N	.25	.25	08/26/10 15:07	Aimee Higgins	1
L1012962-19 WATER	08/26/10 10:20	Eric Hunt	1000	N	.25		08/26/10 21:08	George Nantwi	1
L1013017-01 WATER	08/26/10 10:20	Eric Hunt	1200	N	.25		08/26/10 21:08	George Nantwi	1



ORGANIC ELN REPORT

Workgroup: WG429547

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot ml	Pest Final ml	Cleanup Date	Analyst
WG429547-1 BLANK	08/27/10 00:33	Susan Sands	1	1	08/27/10 00:33	Susan Sands
WG429547-2 LCS	08/27/10 00:33	Susan Sands	1	1	08/27/10 00:33	Susan Sands
WG429547-3 LCSD	08/27/10 00:33	Susan Sands	1	1	08/27/10 00:33	Susan Sands
L1012962-19 WATER	08/27/10 00:33	Susan Sands	1	1	08/27/10 00:33	Susan Sands
L1013017-01 WATER	08/27/10 00:33	Susan Sands	1	1	08/27/10 00:33	Susan Sands

GC Extractable Analysis Pesticides

Semivolatiles QC Summary

3E
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER GC ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample - Client Sample No.: WG429764-2LCS

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
Delta-BHC	.5	NA	0.581	116	30-150
Lindane	.5	NA	0.603	121	30-150
Alpha-BHC	.5	NA	0.570	114	30-150
Beta-BHC	.5	NA	0.563	113	30-150
Heptachlor	.5	NA	0.556	111	30-150
Aldrin	.5	NA	0.568	114	30-150
Heptachlor epoxide	.5	NA	0.577	115	30-150
Endrin	.5	NA	0.605	121	30-150
Endrin ketone	.5	NA	0.548	110	30-150
Dieldrin	.5	NA	0.617	123	30-150
4,4'-DDE	.5	NA	0.601	120	30-150
4,4'-DDD	.5	NA	0.624	125	30-150
4,4'-DDT	.5	NA	0.573	115	30-150
Endosulfan I	.5	NA	0.603	121	30-150

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8081

3E
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER GC ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample - Client Sample No.: WG429764-2LCS

COMPOUND	SPIKE ADDED (ug/l)	SAMPLE CONCENTRATION (ug/l)	LCS CONCENTRATION (ug/l)	LCS % REC	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
Endosulfan II	.5	NA	0.608	122	30-150
Endosulfan sulfate	.5	NA	0.560	112	30-150
Methoxychlor	.5	NA	0.520	104	30-150
trans-Chlordane	.5	NA	0.544	109	30-150

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8081

3E
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER GC ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample Duplicate - Client Sample No.: WG429764-2LCS WG429764-3LCSD

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS	
					RPD	REC.
Delta-BHC	.5	0.601	120	3	20	30-150
Lindane	.5	0.625	125	3	20	30-150
Alpha-BHC	.5	0.594	119	4	20	30-150
Beta-BHC	.5	0.582	116	3	20	30-150
Heptachlor	.5	0.589	118	6	20	30-150
Aldrin	.5	0.603	121	6	20	30-150
Heptachlor epoxide	.5	0.603	121	5	20	30-150
Endrin	.5	0.639	128	6	20	30-150
Endrin ketone	.5	0.571	114	4	20	30-150
Dieldrin	.5	0.645	129	5	20	30-150
4,4'-DDE	.5	0.632	126	5	20	30-150
4,4'-DDD	.5	0.652	130	4	20	30-150
4,4'-DDT	.5	0.610	122	6	20	30-150
Endosulfan I	.5	0.633	127	5	20	30-150

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8081

3E
LAB CONTROL/LAB CONTROL DUPLICATE SAMPLE RECOVERY
WATER GC ORGANICS

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample Duplicate - Client Sample No.: WG429764-2LCS WG429764-3LCSD

COMPOUND	SPIKE ADDED (ug/l)	LCSD CONCENTRATION (ug/l)	LCSD % REC	% RPD	QC LIMITS	
=====	=====	=====	=====	=====	RPD	REC.
Endosulfan II	.5	0.632	126	3	20	30-150
Endosulfan sulfate	.5	0.605	121	8	20	30-150
Methoxychlor	.5	0.549	110	6	20	30-150
trans-Chlordane	.5	0.564	113	4	20	30-150

* Values outside of QC limits.

COMMENTS: _____

FORM III NYTCL-8081

SAMPLE NO.

WG429764-1BLANK

Instrument ID (2): PEST10.I

[illegible]

COMMENTS: _____

8D
GC ORGANICS ANALYTICAL SEQUENCE

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Instrument ID : PEST10.I

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED
	=====	=====	=====	=====
01	+deg 608 3063	+deg 608 3063	08/19/10	09:13
02	+deg 608 3063 Prequ	+deg 608 3063 Pr	08/19/10	09:13
03	pest l1 3065	pest l1 3065	08/19/10	09:26
04	pest l2 3077	pest l2 3077	08/19/10	09:39
05	pest l2 3077 Prequa	pest l2 3077 Pre	08/19/10	09:39
06	pest l3 3067	pest l3 3067	08/19/10	09:52
07	pest l4 3068	pest l4 3068	08/19/10	10:05
08	pest l4 3068 Prequa	pest l4 3068 Pre	08/19/10	10:05
09	pest l5 3069	pest l5 3069	08/19/10	10:17
10	pest l6 3070	pest l6 3070	08/19/10	10:30
11	pest l7 3071	pest l7 3071	08/19/10	10:43
12	chlor l1 3027	chlor l1 3027	08/19/10	10:56
13	chlor l1 3027 Prequ	chlor l1 3027 Pr	08/19/10	10:56
14	chlor l2 3028	chlor l2 3028	08/19/10	11:09
15	chlor l2 3028 Prequ	chlor l2 3028 Pr	08/19/10	11:09
16	chlor l3 3029	chlor l3 3029	08/19/10	11:21
17	chlor l3 3029 Prequ	chlor l3 3029 Pr	08/19/10	11:21
18	chlor l4 3030	chlor l4 3030	08/19/10	11:34
19	chlor l4 3030 Prequ	chlor l4 3030 Pr	08/19/10	11:34
20	chlor l5 3031	chlor l5 3031	08/19/10	11:47
21	chlor l5 3031 Prequ	chlor l5 3031 Pr	08/19/10	11:47
22	chlor l6 3032	chlor l6 3032	08/19/10	12:00
23	chlor l6 3032 Prequ	chlor l6 3032 Pr	08/19/10	12:00
24	chlor l7 3033	chlor l7 3033	08/19/10	12:13
25	chlor l7 3033 Prequ	chlor l7 3033 Pr	08/19/10	12:13
26	tox l1 3034	tox l1 3034	08/19/10	12:26
27	tox l1 3034 Prequan	tox l1 3034 Preq	08/19/10	12:26
28	tox l2 3035	tox l2 3035	08/19/10	12:39
29	tox l2 3035 Prequan	tox l2 3035 Preq	08/19/10	12:39
30	tox l3 3036	tox l3 3036	08/19/10	12:51
31	tox l3 3036 Prequan	tox l3 3036 Preq	08/19/10	12:51
32	tox l4 3037	tox l4 3037	08/19/10	13:04

8D
GC ORGANICS ANALYTICAL SEQUENCE

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Instrument ID : PEST10.I

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED
	=====	=====	=====	=====
01	tox l4 3037 Prequan	tox l4 3037 Preq	08/19/10	13:04
02	tox l5 3038	tox l5 3038	08/19/10	13:17
03	tox l5 3038 Prequan	tox l5 3038 Preq	08/19/10	13:17
04	tox l6 3039	tox l6 3039	08/19/10	13:30
05	tox l6 3039 Prequan	tox l6 3039 Preq	08/19/10	13:30
06	tox l7 3040	tox l7 3040	08/19/10	13:43
07	pest ICV Quant Repo	pest ICV Quant R	08/19/10	13:55
08	chlor ICV Quant Rep	chlor ICV Quant	08/19/10	14:08
09	chlor ICV Quant Rep	chlor ICV Quant	08/19/10	14:08
10	tox ICV Quant Repor	tox ICV Quant Re	08/19/10	14:21
11	tox ICV Quant Repor	tox ICV Quant Re	08/19/10	14:21
12	deg 3078	deg 3078	08/27/10	09:41
13	pest 3076	pest 3076	08/27/10	09:53
14	chlor 3055	chlor 3055	08/27/10	10:06
15	tox 3056	tox 3056	08/27/10	10:37
16	+deg std pp3078	+deg std pp3078	08/27/10	21:46
17	+pest cc pp3076	+pest cc pp3076	08/27/10	21:59
18	+chlor cc pp3055	+chlor cc pp3055	08/27/10	22:11
19	+tox cc pp3090	+tox cc pp3090	08/27/10	22:24
20	WC-001 PZ-B	L1013017-01	08/27/10	23:28
21	WG429764-1BLANK	WG429764-1	08/27/10	23:41
22	WG429764-2LCS	WG429764-2	08/27/10	23:53
23	WG429764-3LCSD	WG429764-3	08/28/10	00:06
24	+pest cc pp3076	+pest cc pp3076	08/28/10	00:19

Determination of Method Detection Limits

Lab Name: Alpha Woods Hole Labs

Approved

Method: EPA 8081

Liquid

2007

GC Pesticides Channel A & B Sep. Funnel

Page 1 of 2

Tech:

JB

Date:

7/20, 7/26, 8/1, 10/29-31/07

Instrument ID:

Pest 10

Prep Method:

EPA 3510C

Prep Chemists:

SR, JA, NR, MO, EH, SK

Table (MDL)

No.	Analytes	Data File	T value used for calculating MDL: 3.14										Current RL (ug/L)	Comment
			mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	Mean (ug/L)	Standard Deviation	Calc.MDL (ug/L)		
1	Hexachlorobenzene	Target Conc. (ug/L)	0.0125	0.0096	0.0086	0.0097	0.0088	0.0093	0.0097	0.0154	0.0020	0.0064	0.020	
2	Alpha-BHC	0.0125	0.0096	0.0086	0.0097	0.0088	0.0093	0.0097	0.0093	0.0154	0.0020	0.0064	0.020	
3	Lindane	0.0125	0.0094	0.0096	0.0104	0.0091	0.0092	0.0101	0.0094	0.0096	0.0004	0.0014	0.020	
4	Heptachlor	0.0125	0.0058	0.0080	0.0083	0.0080	0.0077	0.0087	0.0087	0.0079	0.0005	0.0015	0.020	
5	Aldrin	0.0125	0.0050	0.0057	0.0058	0.0058	0.0056	0.0072	0.0064	0.0059	0.0010	0.0031	0.020	
6	Alachlor	0.0125	0.0123	0.0103	0.0133	0.0128	0.0116	0.0140	0.0100	0.0120	0.0007	0.0022	0.020	
7	Beta-BHC	0.0125	0.0132	0.0106	0.0123	0.0119	0.0127	0.0124	0.0107	0.0120	0.0015	0.0047	0.100	10/30/07
8	Delta-btc	0.0125	0.0083	0.0078	0.0089	0.0078	0.0076	0.0086	0.0089	0.0083	0.0010	0.0031	0.020	
9	Heptachlor epoxide	0.0125	0.0104	0.0106	0.0126	0.0104	0.0112	0.0120	0.0112	0.0112	0.0005	0.0017	0.020	
10	Endosulfan I	0.0125	0.0096	0.0094	0.0119	0.0088	0.0093	0.0106	0.0102	0.0100	0.0008	0.0026	0.020	
11	trans-Chlordane	0.0125	0.0122	0.0130	0.0114	0.0098	0.0163	0.0124	0.0117	0.0124	0.0010	0.0032	0.020	
12	cis-Chlordane	0.0125	0.0118	0.0135	0.0110	0.0103	0.0165	0.0124	0.0109	0.0123	0.0020	0.0063	0.020	
13	4,4'-DDE	0.0125	0.0085	0.0081	0.0106	0.0078	0.0081	0.0086	0.0089	0.0086	0.0021	0.0067	0.020	
14	Dieldrin	0.0125	0.0096	0.0097	0.0118	0.0085	0.0091	0.0105	0.0101	0.0099	0.0009	0.0030	0.040	
15	Endosulfan II	0.0125	0.0101	0.0097	0.0121	0.0097	0.0102	0.0114	0.0119	0.0107	0.0011	0.0033	0.040	
16	4,4'-DDD	0.0125	0.0104	0.0090	0.0123	0.0091	0.0099	0.0108	0.0105	0.0103	0.0011	0.0035	0.040	
17	4,4'-DDT	0.0125	0.0095	0.0084	0.0110	0.0095	0.0090	0.0100	0.0102	0.0095	0.0009	0.0029	0.040	
18	Endrin Aldehyde	0.0125	0.0104	0.0094	0.0118	0.0095	0.0082	0.0123	0.0119	0.0107	0.0013	0.0040	0.040	
19	Endosulfan sulfate	0.0125	0.0091	0.0078	0.0101	0.0081	0.0082	0.0088	0.0100	0.0089	0.0009	0.0029	0.040	
20	Methoxychlor	0.0125	0.0113	0.0104	0.0122	0.0099	0.0107	0.0115	0.0118	0.0111	0.0008	0.0026	0.040	
21	Endrin ketone	0.0125	0.0112	0.0109	0.0132	0.0113	0.0122	0.0119	0.0152	0.0123	0.0015	0.0047	0.200	
22	Chlordane	0.0125	0.0115	0.0106	0.0129	0.0103	0.0115	0.0120	0.0119	0.0115	0.0009	0.0028	0.040	
23	Toxaphene	0.125	0.144	0.144	0.176	0.164	0.150	0.176	0.173	0.1610	0.015	0.0463	0.20	10/29/07
24	Decachlorobiphenyl (Surr)	0.125	0.092	0.087	0.139	0.085	0.101	0.093	0.121	0.1027	0.020	0.0630	0.20	10/31/07
25	2,4,5,6-Tetrachloro-m-xylene (Surr)	0.500	0.169	0.205	0.276	0.206	0.214	0.186	0.255	0.2159	0.020			
		0.500	0.306	0.267	0.32	0.304	0.312	0.283	0.305	0.2996	60%			

Comments: 1L to 10mL

Determination of Method Detection Limits

Lab Name: Alpha Woods Hole Labs

Approved

Method: EPA 8081

Liquid

2007

GC Pesticides Channel A & B Sep. Funnel

Page 2 of 2

Tech: JB
Date: 7/20, 7/26, 8/1, 10/29-31/07
Instrument ID: Pest 10
Prep Method: EPA 3510C
Prep Chemists: SR, JA, NR, MO, EH, SK

Table (MDL)		T value used for calculating MDL: 3.143													
CHANNEL B															
No.	Analytes	Data File	md101	md102	md103	md104	md105	md106	md107						
		Target	Rep-1 (ug/L)	Rep-2 (ug/L)	Rep-3 (ug/L)	Rep-4 (ug/L)	Rep-5 (ug/L)	Rep-6 (ug/L)	Rep-7 (ug/L)	Mean (ug/L)	Accuracy	Standard Deviation	Calc. MDL (ug/L)	Current RL (ug/L)	Comment
1	Alpha-BHC	0.0125	0.0064	0.0065	0.0078	0.0066	0.0057	0.0068	0.0104	0.0065	0.0068	0.0005	0.0015	0.020	
2	Hexachlorobenzene	0.0125	0.0067	0.0058	0.0067	0.0069	0.0057	0.0068	0.0104	0.0065	0.0068	0.0005	0.0015	0.020	
3	Beta-BHC	0.0125	0.0092	0.0095	0.0112	0.0096	0.0098	0.0097	0.0081	0.0090	0.0087	0.0011	0.0035	0.020	
4	Lindane	0.0125	0.0073	0.0080	0.0090	0.0090	0.0081	0.0107	0.0090	0.0065	0.0078	0.0007	0.0021	0.020	
5	Delta-bhc	0.0125	0.0083	0.0084	0.0084	0.0077	0.0075	0.0075	0.0065	0.0065	0.0078	0.0007	0.0021	0.020	
6	Alachlor	0.0125	0.0172	0.0124	0.0159	0.0146	0.0162	0.0162	0.0168	0.0168	0.0156	0.0016	0.0051	0.100	10/30/07
7	trans-Chlordane	0.0125	0.0080	0.0088	0.0084	0.0084	0.0084	0.0090	0.0077	0.0084	0.0077	0.0005	0.0014	0.020	
8	cis-Chlordane	0.0125	0.0077	0.0112	0.0088	0.0075	0.0110	0.0103	0.0081	0.0089	0.0092	0.0017	0.0054	0.020	
9	Endrin Aldehyde	0.0125	0.0075	0.0084	0.0104	0.0088	0.0087	0.0090	0.0089	0.0088	0.0092	0.0016	0.0050	0.020	
10	Aldrin	0.0125	0.0046	0.0050	0.0051	0.0052	0.0051	0.0060	0.0050	0.0051	0.0051	0.0009	0.0027	0.040	
11	Heptachlor epoxide	0.0125	0.0075	0.0085	0.0106	0.0084	0.0087	0.0097	0.0097	0.0094	0.0090	0.0004	0.0014	0.020	
12	Endosulfan I	0.0125	0.0077	0.0081	0.0096	0.0079	0.0082	0.0093	0.0087	0.0087	0.0085	0.0007	0.0032	0.020	
13	Dieldrin	0.0125	0.0078	0.0085	0.0096	0.0080	0.0083	0.0092	0.0084	0.0085	0.0085	0.0006	0.0023	0.020	
14	4,4'-DDE	0.0125	0.0064	0.0068	0.0079	0.0065	0.0066	0.0079	0.0068	0.0070	0.0070	0.0006	0.0020	0.040	
15	Endrin	0.0125	0.0084	0.0084	0.0105	0.0080	0.0087	0.0097	0.0097	0.0097	0.0091	0.0009	0.0028	0.040	
16	Endosulfan II	0.0125	0.0086	0.0080	0.0102	0.0082	0.0088	0.0094	0.0091	0.0091	0.0089	0.0007	0.0023	0.040	
17	4,4'-DDD	0.0125	0.0083	0.0087	0.0096	0.0079	0.0087	0.0097	0.0092	0.0092	0.0089	0.0007	0.0021	0.040	
18	Endosulfan sulfate	0.0125	0.0096	0.0085	0.0108	0.0087	0.0092	0.0102	0.0092	0.0092	0.0094	0.0008	0.0026	0.040	
19	4,4'-DDT	0.0125	0.0084	0.0084	0.0102	0.0085	0.0087	0.0099	0.0099	0.0090	0.0090	0.0007	0.0023	0.040	
20	Endrin ketone	0.0125	0.0098	0.0087	0.0110	0.0087	0.0097	0.0101	0.0098	0.0097	0.0097	0.0008	0.0025	0.040	
21	Methoxychlor	0.0125	0.0093	0.0087	0.0109	0.0082	0.0103	0.0105	0.0101	0.0097	0.0097	0.0010	0.0031	0.200	
22	Chlordane	0.0125	0.132	0.109	0.131	0.130	0.114	0.131	0.137	0.137	0.1263	0.010	0.0328	0.200	10/29/07
23	Toxaphene	0.0125	0.139	0.117	0.138	0.115	0.117	0.104	0.105	0.105	0.1193	0.014	0.0445	0.200	10/31/07
24	Decachlorobiphenyl (Surr)	0.500	0.152	0.188	0.244	0.188	0.188	0.170	0.217	0.217	0.1924	0.014	0.0445	0.200	10/31/07
25	2,4,5,6-Tetrachloro-m-xylene (Surr)	0.500	0.222	0.199	0.241	0.229	0.227	0.211	0.206	0.206	0.2193	0.014	0.0445	0.200	10/31/07

Comments: 1L to 10mL

Pesticide Sample Data

1D
GC ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Sample wt/vol: 1000 (g/mL) ml

% Solids: N/A

Extraction: (Type) EPA 3510C

Concentrated Extract Volume: 10000(uL)

Injection Volume: 1 (uL)

GPC Cleanup: (Y/N) N

Conc. Units: ug/L

CAS NO.

COMPOUND

GC Column: CLPPesticides

Lab Sample ID: L1013017-01

Lab File ID: 08270030

Date Received: 08/23/10

Date Extracted: 27-AUG-10

Date Analyzed: 08/27/10 23:28

Dilution Factor: 1

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	Result	RL	MDL	Q
319-86-8	Delta-BHC	ND	0.020	--	U
58-89-9	Lindane	ND	0.020	--	U
319-84-6	Alpha-BHC	ND	0.020	--	U
319-85-7	Beta-BHC	ND	0.020	--	U
76-44-8	Heptachlor	ND	0.020	--	U
309-00-2	Aldrin	ND	0.020	--	U
1024-57-3	Heptachlor epoxide	ND	0.020	--	U
72-20-8	Endrin	ND	0.040	--	U
53494-70-5	Endrin ketone	ND	0.040	--	U
60-57-1	Dieldrin	ND	0.040	--	U
72-55-9	4,4'-DDE	ND	0.040	--	U
72-54-8	4,4'-DDD	ND	0.040	--	U
50-29-3	4,4'-DDT	ND	0.040	--	U
959-98-8	Endosulfan I	ND	0.020	--	U
33213-65-9	Endosulfan II	ND	0.040	--	U
1031-07-8	Endosulfan sulfate	ND	0.040	--	U
72-43-5	Methoxychlor	ND	0.200	--	U
8001-35-2	Toxaphene	ND	0.200	--	U
5103-74-2	trans-Chlordane	ND	0.020	--	U
57-74-9	Chlordane	ND	0.200	--	U

FORM I NYTCL-8081

1D
GC ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429764-1BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Sample wt/vol: 1000 (g/mL) ml

% Solids: N/A

Extraction: (Type) EPA 3510C

Concentrated Extract Volume: 10000(uL)

Injection Volume: 1 (uL)

GPC Cleanup: (Y/N) N

Conc. Units: ug/L

CAS NO.

COMPOUND

GC Column: CLPPesticides

Lab Sample ID: WG429764-1

Lab File ID: 08270031

Date Received:

Date Extracted: 27-AUG-10

Date Analyzed: 08/27/10 23:41

Dilution Factor: 1

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	Result	RL	MDL	Q
319-86-8	Delta-BHC	ND	0.020	--	U
58-89-9	Lindane	ND	0.020	--	U
319-84-6	Alpha-BHC	ND	0.020	--	U
319-85-7	Beta-BHC	ND	0.020	--	U
76-44-8	Heptachlor	ND	0.020	--	U
309-00-2	Aldrin	ND	0.020	--	U
1024-57-3	Heptachlor epoxide	ND	0.020	--	U
72-20-8	Endrin	ND	0.040	--	U
53494-70-5	Endrin ketone	ND	0.040	--	U
60-57-1	Dieldrin	ND	0.040	--	U
72-55-9	4,4'-DDE	ND	0.040	--	U
72-54-8	4,4'-DDD	ND	0.040	--	U
50-29-3	4,4'-DDT	ND	0.040	--	U
959-98-8	Endosulfan I	ND	0.020	--	U
33213-65-9	Endosulfan II	ND	0.040	--	U
1031-07-8	Endosulfan sulfate	ND	0.040	--	U
72-43-5	Methoxychlor	ND	0.200	--	U
8001-35-2	Toxaphene	ND	0.200	--	U
5103-74-2	trans-Chlordane	ND	0.020	--	U
57-74-9	Chlordane	ND	0.200	--	U

FORM I NYTCL-8081

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\08270030.D

Lab Smp Id:

Inj Date : 27-AUG-2010 23:28

Operator : ss

Inst ID: Pest10.i

Smp Info : l1013017-01,42,

Misc Info : wg429989, wg429764, ICAL5265

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m

Meth Date : 30-Aug-2010 15:41 ssus

Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 30

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestliqNY.sub

Target Version: 4.12

Processing Host: EXT-11

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN	FINAL	
					(ug/mL)	(ng)	
=====	=====	=====	=====	=====	=====	=====	=====
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.337	2.338	(1.256)	28875276	0.04146	0.0415	
\$ 25 Decachlorobiphenyl	6.297	6.297	(3.384)	27997377	0.03937	0.0394	
* 1 1-Bromo-2-Nitrobenzene	1.861	1.860	(1.000)	11130393	0.02500		
4 Alpha-BHC	Compound Not Detected.						
5 Lindane	Compound Not Detected.						
8 Heptachlor	Compound Not Detected.						
9 Aldrin	Compound Not Detected.						
6 Beta-BHC	Compound Not Detected.						
7 Delta-bhc	Compound Not Detected.						
11 Heptachlor epoxide	Compound Not Detected.						
15 Endosulfan I	Compound Not Detected.						
12 trans-Chlordane	Compound Not Detected.						
14 4,4'-DDE	Compound Not Detected.						
16 Dieldrin	Compound Not Detected.						
17 Endrin	Compound Not Detected.						
18 4,4'-DDD	Compound Not Detected.						
19 Endosulfan II	Compound Not Detected.						
20 4,4'-DDT	Compound Not Detected.						
23 Endosulfan sulfate	Compound Not Detected.						
22 Methoxychlor	Compound Not Detected.						
24 Endrin ketone	Compound Not Detected.						
26 Chlordane	Compound Not Detected.						
27 Toxaphene	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i
 Lab File ID: 08270030.D
 Lab Smp Id:
 Analysis Type: OTHER
 Quant Type: ISTD
 Operator: ss
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m
 Misc Info: wg429989, wg429764, ICAL5265

Calibration Date: 28-AUG-2010
 Calibration Time: 00:19
 Level: LOW
 Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10860130	5430065	21720260	11130393	2.49

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.86	1.36	2.36	1.86	0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: 041201a
Sample Matrix: LIQUID Fraction: OTHER
Lab Smp Id:
Level: LOW Operator: ss
Data Type: GC MULTI COMP SampleType: SAMPLE
SpikeList File: pestNY.spk Quant Type: ISTD
Sublist File: pestliqNY.sub
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m
Misc Info: wg429989, wg429764, ICAL5265

SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
\$ 2 2,4,5,6-Tetrachlor	0.0500	0.0415	82.92	30-150
\$ 25 Decachlorobiphenyl	0.0500	0.0394	78.74	30-150

Data File: \\Drger\1\ee\chem\GCEXT\Pest10.i\100827a.b\08270030.D

Date : 27-AUG-2010 23:28

Client ID:

Sample Info: 11013017-01.42,

Purge Volume: 1000.0

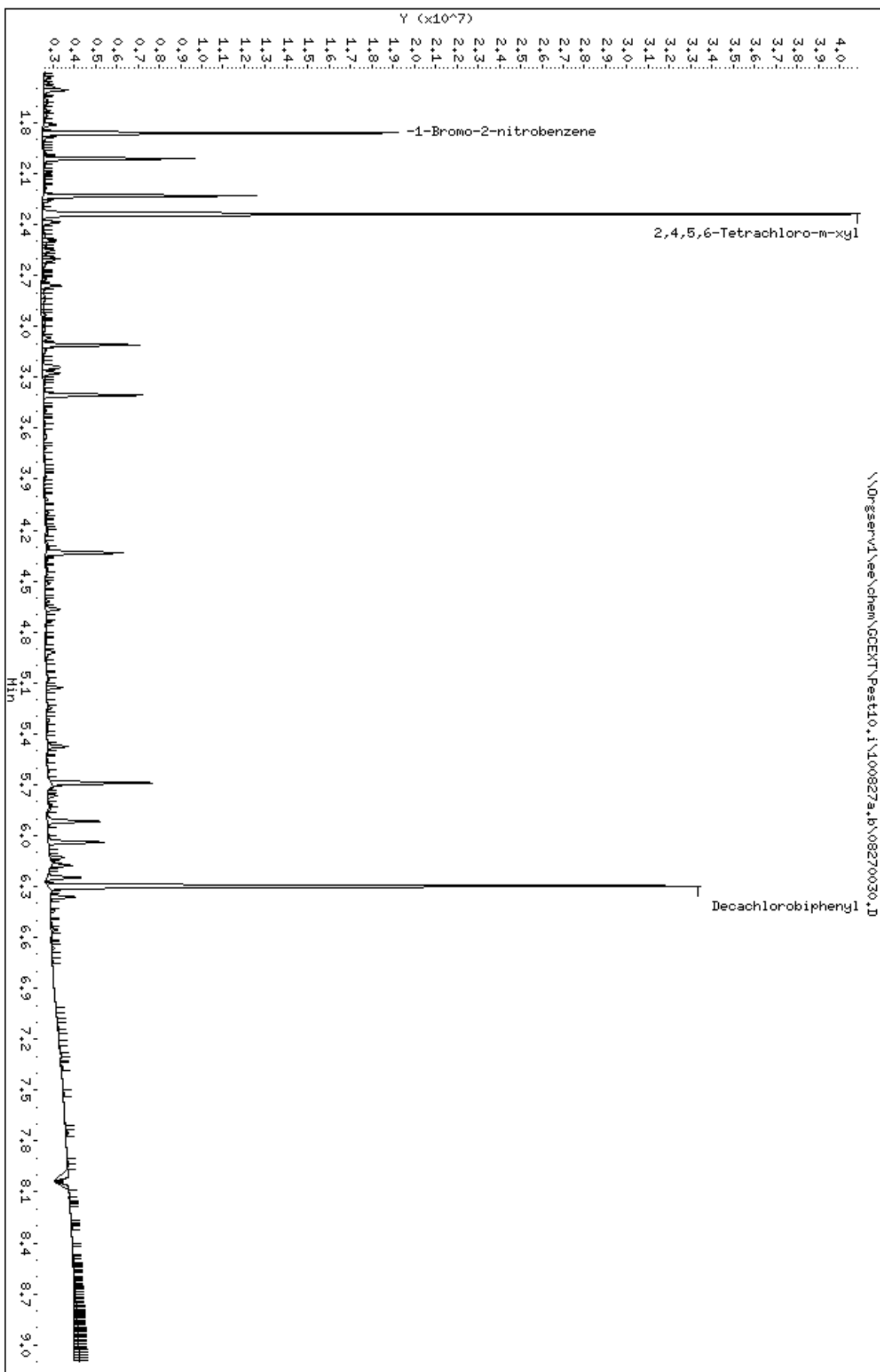
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: ss

Column diameter: 0.32

Page 4



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\08270030.D

Lab Smp Id:

Inj Date : 27-AUG-2010 23:28

Operator : ss

Inst ID: Pest10.i

Smp Info : l1013017-01,42,

Misc Info : wg429989, wg429764, ICAL5266

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m

Meth Date : 30-Aug-2010 15:43 ssus

Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 30

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestliqNY.sub

Target Version: 4.12

Processing Host: EXT-11

Concentration Formula: Amt * DF * CpndVariable
 Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN	FINAL	
					(ug/mL)	(ng)	
=====	=====	=====	=====	=====	=====	=====	=====
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.536	2.535	(1.310)	100996429	0.03848	0.0385	
\$ 25 Decachlorobiphenyl	6.822	6.825	(3.524)	79519847	0.04632	0.0463	
* 1 1-Bromo-2-Nitrobenzene	1.936	1.935	(1.000)	37797735	0.02500		
4 Alpha-BHC	Compound Not Detected.						
5 Lindane	Compound Not Detected.						
8 Heptachlor	Compound Not Detected.						
9 Aldrin	Compound Not Detected.						
6 Beta-BHC	Compound Not Detected.						
7 Delta-bhc	Compound Not Detected.						
11 Heptachlor epoxide	Compound Not Detected.						
15 Endosulfan I	Compound Not Detected.						
12 trans-Chlordane	Compound Not Detected.						
14 4,4'-DDE	Compound Not Detected.						
16 Dieldrin	Compound Not Detected.						
17 Endrin	Compound Not Detected.						
18 4,4'-DDD	Compound Not Detected.						
19 Endosulfan II	Compound Not Detected.						
20 4,4'-DDT	Compound Not Detected.						
23 Endosulfan sulfate	Compound Not Detected.						
22 Methoxychlor	Compound Not Detected.						
24 Endrin ketone	Compound Not Detected.						
26 Chlordane	Compound Not Detected.						
27 Toxaphene	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 08270030.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: ss
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m
Misc Info: wg429989, wg429764, ICAL5266

Calibration Date: 28-AUG-2010
Calibration Time: 00:19
Level: LOW
Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	37166489	18583245	74332978	37797735	1.70

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.03

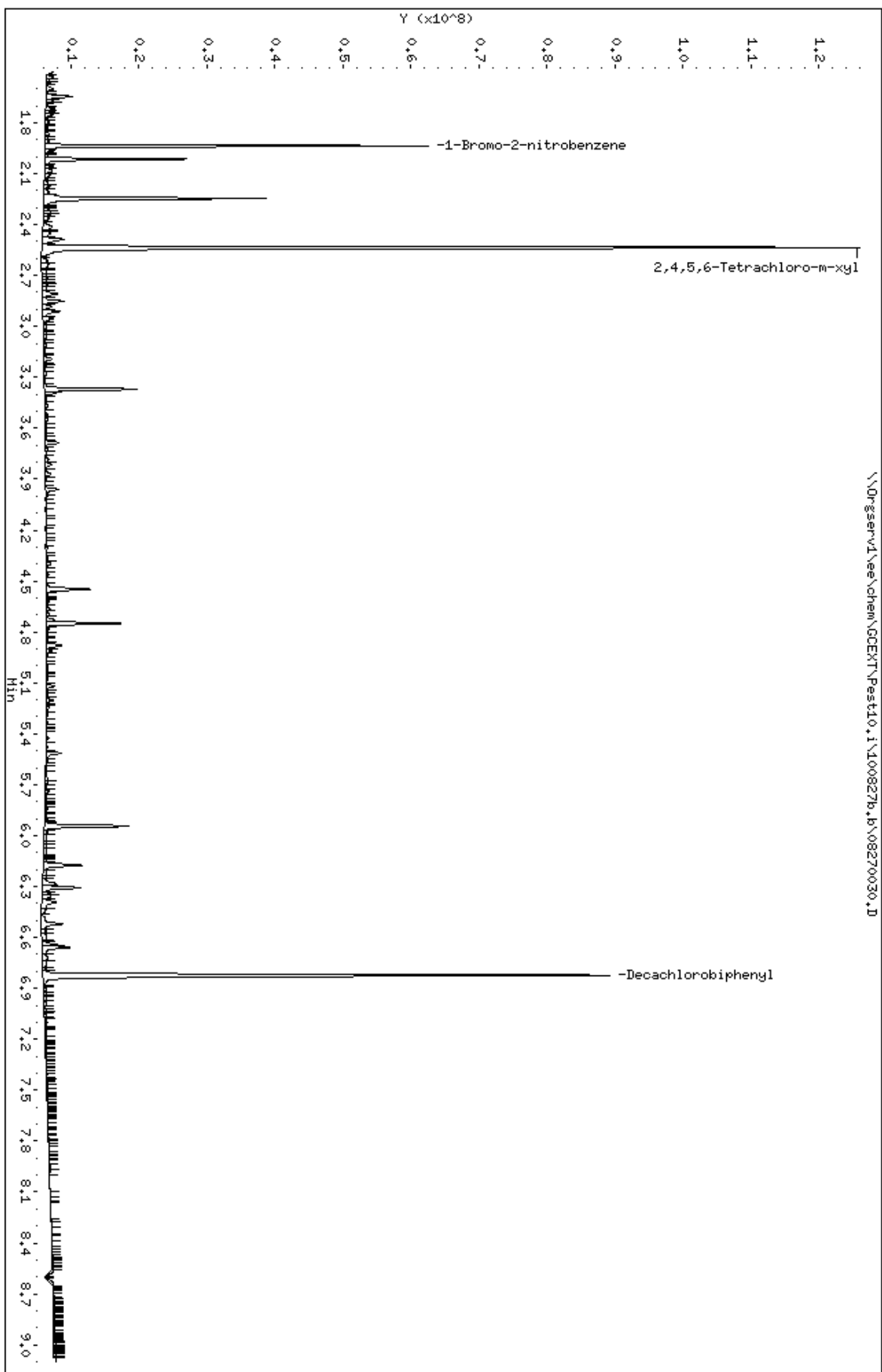
AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: 041201a
Sample Matrix: LIQUID Fraction: OTHER
Lab Smp Id:
Level: LOW Operator: ss
Data Type: GC MULTI COMP SampleType: SAMPLE
SpikeList File: pestliqNY.spk Quant Type: ISTD
Sublist File: pestliqNY.sub
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m
Misc Info: wg429989, wg429764, ICAL5266

SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
\$ 2 2,4,5,6-Tetrachlor	0.0500	0.0385	76.97	30-150
\$ 25 Decachlorobiphenyl	0.0500	0.0463	92.65	30-150



Pesticides Standards Data

Initial Calibration

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date(s): 18-JUN-2010 19-AUG-2010

Calibration Times: 13:58 13:43

Calibration File Names:

Level 1: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N002.D
 Level 2: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N003.D
 Level 3: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N004.D
 Level 4: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N005.D
 Level 5: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N006.D
 Level 6: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N007.D
 Level 7: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N008.D

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	-----	-----	-----	-----	-----	-----					
	0.2000000										
	Level 7										
=====											
3 Hexachlorobenzene	2.09017	1.77190	1.50458	1.50474	1.46186	1.39113					
	1.40847						AVRG		1.59041		15.96341

4 alpha-BHC	+++++	1.59972	1.47880	1.56891	1.70746	1.66615					
	1.71766						AVRG		1.62311		5.66119

5 Lindane	+++++	1.51709	1.37606	1.46678	1.56934	1.51588					
	1.56409						AVRG		1.50154		4.79420

6 beta-BHC	+++++	0.85531	0.72743	0.72546	0.69846	0.65764					
	0.66644						AVRG		0.72179		9.91258

=====											

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date(s): 18-JUN-2010 19-AUG-2010

Calibration Times: 13:58 13:43

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	0.2000000										
	Level 7										
7 delta-BHC	+++++	1.51277	1.38302	1.46352	1.59403	1.53984					
	1.60239						AVRG		1.51593		5.48498
8 Heptachlor	+++++	1.76695	1.51909	1.55373	1.59999	1.53885					
	1.58935						AVRG		1.59466		5.62597
9 Aldrin	+++++	1.47903	1.32039	1.38694	1.47692	1.43157					
	1.48629						AVRG		1.43019		4.60046
10 Alachlor	+++++	0.31871	0.26656	0.26852	0.23648	0.20966					
	+++++						AVRG		0.25998		15.68280
11 Heptachlor Epoxide	1.78557	1.57775	1.40053	1.47482	1.45404	1.38863					
	1.43045						AVRG		1.50168		9.31717
12 trans-Chlordane	2.29703	1.53893	1.49396	1.55140	1.51371	1.42539					
	1.47291						AVRG		1.61333		18.86899
13 cis-Chlordane	+++++	1.60346	1.39936	1.43542	1.44368	1.37273					
	1.41441						AVRG		1.44484		5.66056

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date(s): 18-JUN-2010 19-AUG-2010

Calibration Times: 13:58 13:43

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	-----	-----	-----	-----	-----	-----					
	0.2000000										
	Level 7										
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
14 4,4'-DDE	+++++	1.43650	1.30726	1.40984	1.49966	1.46508					
	1.51660						AVRG		1.43916		5.25476
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
15 Endosulfan I	+++++	1.46384	1.27213	1.33163	1.33695	1.29573					
	1.32835						AVRG		1.33811		4.96806
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
16 Dieldrin	1.67798	1.48731	1.36443	1.43394	1.52050	1.45324					
	1.50966						AVRG		1.49244		6.52414
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
17 Endrin	1.67338	1.46869	1.29588	1.34726	1.43443	1.38521					
	1.43467						AVRG		1.43422		8.41949
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
18 4,4'-DDD	+++++	1.27155	1.14693	1.20560	1.29022	1.24444					
	1.28459						AVRG		1.24055		4.46911
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
19 Endosulfan II	+++++	1.47462	1.25853	1.29135	1.30771	1.23613					
	1.27278						AVRG		1.30685		6.57218
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
20 4,4'-DDT	+++++	1.41704	1.26542	1.31895	1.38626	1.33270					
	1.38688						AVRG		1.35121		4.13085
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date(s): 18-JUN-2010 19-AUG-2010

Calibration Times: 13:58 13:43

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	0.2000000										
	Level 7										
21 Endrin Aldehyde	++++	0.98253	1.00040	1.09877	1.14244	1.08571					
	1.12298						AVRG		1.07214		6.12987
22 Methoxychlor	++++	0.90608	0.79305	0.80189	0.77339	0.72884					
	0.73038						AVRG		0.78894		8.25147
23 Endosulfan Sulfate	++++	1.50247	1.27213	1.30219	1.32552	1.26811					
	1.30613						AVRG		1.32943		6.58218
24 Endrin Ketone	++++	1.90236	1.58039	1.63358	1.64432	1.55258					
	1.58884						AVRG		1.65035		7.76265
26 Chlordane(1)	0.05213	0.04914	0.04765	0.04790	0.04649	0.04683					
	0.04760						AVRG		0.04825		3.95903
(2)	0.07897	0.06718	0.06709	0.06765	0.06707	0.06797					
	0.06967						AVRG		0.06937		6.24185
(3)	0.16758	0.15199	0.15537	0.15182	0.16936	0.16895					
	0.16402						AVRG		0.16130		4.94709

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date(s): 18-JUN-2010 19-AUG-2010

Calibration Times: 13:58 13:43

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	0.2000000										
	Level 7										
=====											
(4)	0.16818	0.14159	0.13233	0.13285	0.16936	0.16895					
	0.13594						AVRG		0.14989		11.99559

27 Toxaphene(1)	47747	111455	464756	930722	4740121	8954584					
	18822861						LINR	0.21873	0.02172		0.99886
(2)	326894	534549	1709488	3357358	14894187	31039778					
	62657871						LINR	0.06489	0.07243		0.99971
(3)	119535	231494	1148107	2432809	11085530	23437879					
	47376737						LINR	0.30516	0.05494		0.99970
(4)	117064	209763	1030118	2182140	10634963	20268130					
	44148938						LINR	0.50459	0.05081		0.99774
(5)	70614	143003	672659	1436775	7183027	14059596					
	30956796						LINR	0.72946	0.03565		0.99731
=====											
\$ 2 2,4,5,6-Tetrachloro-m-xylene	1.93217	1.63971	1.45540	1.49281	1.50708	1.44969					
	1.47317						AVRG		1.56429		11.15513

\$ 25 Decachlorobiphenyl	2.07073	1.88218	1.53813	1.54028	1.43458	1.35163					
	1.36305						AVRG		1.59723		17.21723

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date(s): 18-JUN-2010 19-AUG-2010

Calibration Times: 13:58 13:43

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date(s): 18-JUN-2010 19-AUG-2010

Calibration Times: 13:58 13:43

Calibration File Names:

Level 1: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N002.D
 Level 2: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N003.D
 Level 3: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N004.D
 Level 4: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N005.D
 Level 5: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N006.D
 Level 6: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N007.D
 Level 7: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N008.D

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	0.2000000										
	Level 7										
3 Hexachlorobenzene	+++++	2.25885	1.88754	1.83643	1.66575	1.55588					
	1.56326						AVRG		1.79462		14.80630
4 alpha-BHC	+++++	1.80639	1.60225	1.64300	1.63003	1.55597					
	1.58573						AVRG		1.63723		5.40678
5 Lindane	+++++	1.72071	1.49140	1.50460	1.46714	1.39087					
	1.41641						AVRG		1.49852		7.82630
6 beta-BHC	+++++	0.87565	0.75387	0.74028	0.67873	0.62924					
	0.62902						AVRG		0.71780		13.06506

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date(s): 18-JUN-2010 19-AUG-2010

Calibration Times: 13:58 13:43

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	-----	-----	-----	-----	-----	-----					
	0.2000000										
	Level 7										
=====											
7 delta-BHC	+++++	1.67380	1.47817	1.51461	1.50769	1.42689					
	1.46108						AVRG		1.51038		5.70846

8 Heptachlor	+++++	1.83233	1.50932	1.52456	1.45572	1.37233					
	1.38631						AVRG		1.51343		11.10522

9 Aldrin	1.75085	1.57897	1.38512	1.42480	1.41037	1.33582					
	1.36097						AVRG		1.46384		10.17777

10 Alachlor	+++++	0.32967	0.28307	0.27878	0.23895	0.20187					
	+++++						AVRG		0.26647		18.14582

11 Heptachlor Epoxide	+++++	1.86213	1.40534	1.40386	1.30474	1.21206					
	1.22414						AVRG		1.40204		17.14471

12 trans-Chlordane	+++++	2.01006	1.68262	1.54484	1.38242	1.26494					
	1.27784						AVRG		1.52712		18.74080

13 cis-Chlordane	+++++	1.62551	1.34879	1.34834	1.28903	1.20137					
	1.21957						AVRG		1.33877		11.47363

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date(s): 18-JUN-2010 19-AUG-2010

Calibration Times: 13:58 13:43

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	0.2000000										
Level 7											
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
14 4,4'-DDE	+++++	1.64712	1.39993	1.43109	1.40504	1.31598					
	1.34804						AVRG		1.42453		8.19895
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
15 Endosulfan I	+++++	1.54170	1.24979	1.25643	1.19558	1.11285					
	1.12093						AVRG		1.24621		12.60988
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
16 Dieldrin	1.89122	1.57562	1.32176	1.33708	1.30338	1.22005					
	1.24274						AVRG		1.41312		17.02933
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
17 Endrin	+++++	1.32544	1.14040	1.16076	1.14459	1.07672					
	1.10472						AVRG		1.15877		7.52078
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
18 4,4'-DDD	1.35515	1.17824	1.05252	1.08369	1.05744	0.99484					
	1.01393						AVRG		1.10512		11.31629
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
19 Endosulfan II	+++++	1.30740	1.09701	1.10125	1.03933	0.96378					
	0.97337						AVRG		1.08036		11.63357
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
20 4,4'-DDT	+++++	1.30843	1.06995	1.07857	1.05307	0.99283					
	1.02249						AVRG		1.08756		10.36829
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date(s): 18-JUN-2010 19-AUG-2010

Calibration Times: 13:58 13:43

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	0.2000000									
	Level 7									
21 Endrin Aldehyde	++++	1.16310	1.01120	0.96352	0.89180	0.83319				
	0.84652						AVRG		0.95156	13.04705
22 Methoxychlor	++++	0.74953	0.60575	0.58760	0.53799	0.49633				
	0.49159						AVRG		0.57813	16.59489
23 Endosulfan Sulfate	++++	1.27896	1.04265	1.03493	1.00106	0.93678				
	0.95617						AVRG		1.04176	11.85912
24 Endrin Ketone	++++	1.45978	1.18172	1.16327	1.10073	1.02677				
	1.04030						AVRG		1.16209	13.65558
26 Chlordane(1)	++++	0.05803	0.05191	0.05257	0.04796	0.04730				
	0.04694						AVRG		0.05079	8.43458
(2)	0.08070	0.07879	0.07082	0.07141	0.06604	0.06496				
	0.06380						AVRG		0.07093	9.41996
(3)	0.22290	0.19143	0.18047	0.16790	0.14801	0.14802				
	0.14671						AVRG		0.17221	16.50467

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date(s): 18-JUN-2010 19-AUG-2010

Calibration Times: 13:58 13:43

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	0.2000000										
	Level 7										
=====											
(4)	+++++	0.16364	0.14525	0.14065	0.12500	0.12514					
	0.12484						AVRG		0.13742		11.37967

(5)	0.13646	0.13118	0.13311	0.13036	0.12129	0.12118					
	0.11699						AVRG		0.12722		5.75769

27 Toxaphene(1)	245128	332462	1094864	2139830	8931036	16516918					
	32555831						LINR	-0.87571	0.01398		0.99930
(2)	277652	741907	3365432	7970803	31910003	61231432					
	123960840						LINR	-0.31031	0.05331		0.99957
(3)	295789	759322	3296723	6723064	28580488	55720651					
	114799617						LINR	-0.11032	0.04929		0.99954
(4)	69998	281213	1544364	3088197	14399017	27257983					
	57369240						LINR	0.09107	0.02463		0.99906
=====											
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.31168	1.93251	1.67063	1.67521	1.57603	1.48850					
	1.49589						AVRG		1.73578		17.00077

\$ 25 Decachlorobiphenyl	+++++	1.42914	1.19632	1.17858	1.04984	0.97757					
	0.98095						AVRG		1.13540		15.15013

FORM VI-GC SEMI

6B
GC ORGANICS ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date(s): 18-JUN-2010 19-AUG-2010

Calibration Times: 13:58 13:43

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

FORM VI-GC SEMI

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 18-JUN-2010 13:58
 End Cal Date : 19-AUG-2010 13:43
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Cal Date : 20-Oct-2010 10:51 Pest10.i

Calibration File Names:

Level 1: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N002.D
 Level 2: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N003.D
 Level 3: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N004.D
 Level 4: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N005.D
 Level 5: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N006.D
 Level 6: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N007.D
 Level 7: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N008.D

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	0.2000000										
	Level 7										
=====											
3 Hexachlorobenzene	2.09017	1.77190	1.50458	1.50474	1.46186	1.39113					
	1.40847						AVRG		1.59041		15.96341

4 alpha-BHC	+++++	1.59972	1.47880	1.56891	1.70746	1.66615					
	1.71766						AVRG		1.62311		5.66119

5 Lindane	+++++	1.51709	1.37606	1.46678	1.56934	1.51588					
	1.56409						AVRG		1.50154		4.79420

6 beta-BHC	+++++	0.85531	0.72743	0.72546	0.69846	0.65764					
	0.66644						AVRG		0.72179		9.91258

=====											

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 18-JUN-2010 13:58
 End Cal Date : 19-AUG-2010 13:43
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Cal Date : 20-Oct-2010 10:51 Pest10.i

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	0.2000000										
	Level 7										
7 delta-BHC	+++++	1.51277	1.38302	1.46352	1.59403	1.53984					
	1.60239						AVRG		1.51593		5.48498
8 Heptachlor	+++++	1.76695	1.51909	1.55373	1.59999	1.53885					
	1.58935						AVRG		1.59466		5.62597
9 Aldrin	+++++	1.47903	1.32039	1.38694	1.47692	1.43157					
	1.48629						AVRG		1.43019		4.60046
10 Alachlor	+++++	0.31871	0.26656	0.26852	0.23648	0.20966					
	+++++						AVRG		0.25998		15.68280
11 Heptachlor Epoxide	1.78557	1.57775	1.40053	1.47482	1.45404	1.38863					
	1.43045						AVRG		1.50168		9.31717
12 trans-Chlordane	2.29703	1.53893	1.49396	1.55140	1.51371	1.42539					
	1.47291						AVRG		1.61333		18.86899
13 cis-Chlordane	+++++	1.60346	1.39936	1.43542	1.44368	1.37273					
	1.41441						AVRG		1.44484		5.66056

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 18-JUN-2010 13:58
 End Cal Date : 19-AUG-2010 13:43
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Cal Date : 20-Oct-2010 10:51 Pest10.i

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	0.2000000									
	Level 7									
14 4,4'-DDE	+++++	1.43650	1.30726	1.40984	1.49966	1.46508				
	1.51660						AVRG		1.43916	
15 Endosulfan I	+++++	1.46384	1.27213	1.33163	1.33695	1.29573				
	1.32835						AVRG		1.33811	
16 Dieldrin	1.67798	1.48731	1.36443	1.43394	1.52050	1.45324				
	1.50966						AVRG		1.49244	
17 Endrin	1.67338	1.46869	1.29588	1.34726	1.43443	1.38521				
	1.43467						AVRG		1.43422	
18 4,4'-DDD	+++++	1.27155	1.14693	1.20560	1.29022	1.24444				
	1.28459						AVRG		1.24055	
19 Endosulfan II	+++++	1.47462	1.25853	1.29135	1.30771	1.23613				
	1.27278						AVRG		1.30685	
20 4,4'-DDT	+++++	1.41704	1.26542	1.31895	1.38626	1.33270				
	1.38688						AVRG		1.35121	

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 18-JUN-2010 13:58
 End Cal Date : 19-AUG-2010 13:43
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Cal Date : 20-Oct-2010 10:51 Pest10.i

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	0.2000000									
	Level 7									
21 Endrin Aldehyde	+++++	0.98253	1.00040	1.09877	1.14244	1.08571				
	1.12298						AVRG		1.07214	6.12987
22 Methoxychlor	+++++	0.90608	0.79305	0.80189	0.77339	0.72884				
	0.73038						AVRG		0.78894	8.25147
23 Endosulfan Sulfate	+++++	1.50247	1.27213	1.30219	1.32552	1.26811				
	1.30613						AVRG		1.32943	6.58218
24 Endrin Ketone	+++++	1.90236	1.58039	1.63358	1.64432	1.55258				
	1.58884						AVRG		1.65035	7.76265
26 Chlordane(1)	0.05213	0.04914	0.04765	0.04790	0.04649	0.04683				
	0.04760						AVRG		0.04825	3.95903
(2)	0.07897	0.06718	0.06709	0.06765	0.06707	0.06797				
	0.06967						AVRG		0.06937	6.24185
(3)	0.16758	0.15199	0.15537	0.15182	0.16936	0.16895				
	0.16402						AVRG		0.16130	4.94709

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 18-JUN-2010 13:58
 End Cal Date : 19-AUG-2010 13:43
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Cal Date : 20-Oct-2010 10:51 Pest10.i

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	0.2000000									
	Level 7									
=====										
(4)	0.16818	0.14159	0.13233	0.13285	0.16936	0.16895				
	0.13594						AVRG		0.14989	11.99559

27 Toxaphene(1)	47747	111455	464756	930722	4740121	8954584				
	18822861						LINR	0.21873	0.02172	0.99886
(2)	326894	534549	1709488	3357358	14894187	31039778				
	62657871						LINR	0.06489	0.07243	0.99971
(3)	119535	231494	1148107	2432809	11085530	23437879				
	47376737						LINR	0.30516	0.05494	0.99970
(4)	117064	209763	1030118	2182140	10634963	20268130				
	44148938						LINR	0.50459	0.05081	0.99774
(5)	70614	143003	672659	1436775	7183027	14059596				
	30956796						LINR	0.72946	0.03565	0.99731
=====										
\$ 2 2,4,5,6-Tetrachloro-m-xylene	1.93217	1.63971	1.45540	1.49281	1.50708	1.44969				
	1.47317						AVRG		1.56429	11.15513

\$ 25 Decachlorobiphenyl	2.07073	1.88218	1.53813	1.54028	1.43458	1.35163				
	1.36305						AVRG		1.59723	17.21723

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 18-JUN-2010 13:58
End Cal Date : 19-AUG-2010 13:43
Quant Method : ISTD
Target Version : 4.12
Integrator : Falcon
Method file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
Cal Date : 20-Oct-2010 10:51 Pest10.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N001.D
Lab Smp Id:
Inj Date : 19-AUG-2010 09:13
Operator : sh Inst ID: Pest10.i
Smp Info : +deg 608 3063
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 30-Aug-2010 18:17 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 09:39 Cal File: 0819N003.D
Als bottle: 1 QC Sample: degradation
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN (ug/mL)	FINAL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.854	1.866	(1.000)	13108	0.02500		
14 4,4'-DDE	4.316	4.299	(2.327)	163170	0.21624	0.216(R)	
17 Endrin	4.642	4.697	(2.504)	303102	0.40307	0.403(R)	
18 4,4'-DDD	4.712	4.752	(2.541)	28715634	44.1476	44.1(R)	
20 4,4'-DDT	4.972	4.957	(2.682)	27055171	38.1884	38.2(R)	
21 Endrin Aldehyde	5.152	5.162	(2.779)	117712	0.20940	0.209	
24 Endrin Ketone	5.664	5.651	(3.055)	363023	0.41953	0.420(R)	

DDT Degradation Percent = 51.63
Endrin Degradation Percent = 61.33

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N001.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

Calibration Date: 19-AUG-2010
Calibration Time: 09:39
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====	
		LOWER =====	UPPER =====			
1 1-Bromo-2-nitrobe	9697616	4848808	19395232	13108	-99.86	<-

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.85	-0.63

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

TARGET COMPOUNDS

Client Name:	Client SDG: 041201a
Lab Smp Id:	
Sample Location:	Sample Point:
Sample Date:	Date Received:
Sample Matrix: None	Quant Type: ISTD
Analysis Type: OTHER	Level:
Data Type: GC MULTI COMP	Operator: sh
Misc Info: wg423905, wg423871, ICAL5201	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/mL	Q
-----4,4'-DDE		0.216	
-----Endrin		0.403	
-----4,4'-DDD		44.1	
-----4,4'-DDT		38.2	
-----Endrin Aldehyde		0.209	
-----Endrin Ketone		0.420	
=====		=====	=====

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N001.D

Date : 19-AUG-2010 09:13

Client ID:

Sample Info: +deg 608 3063

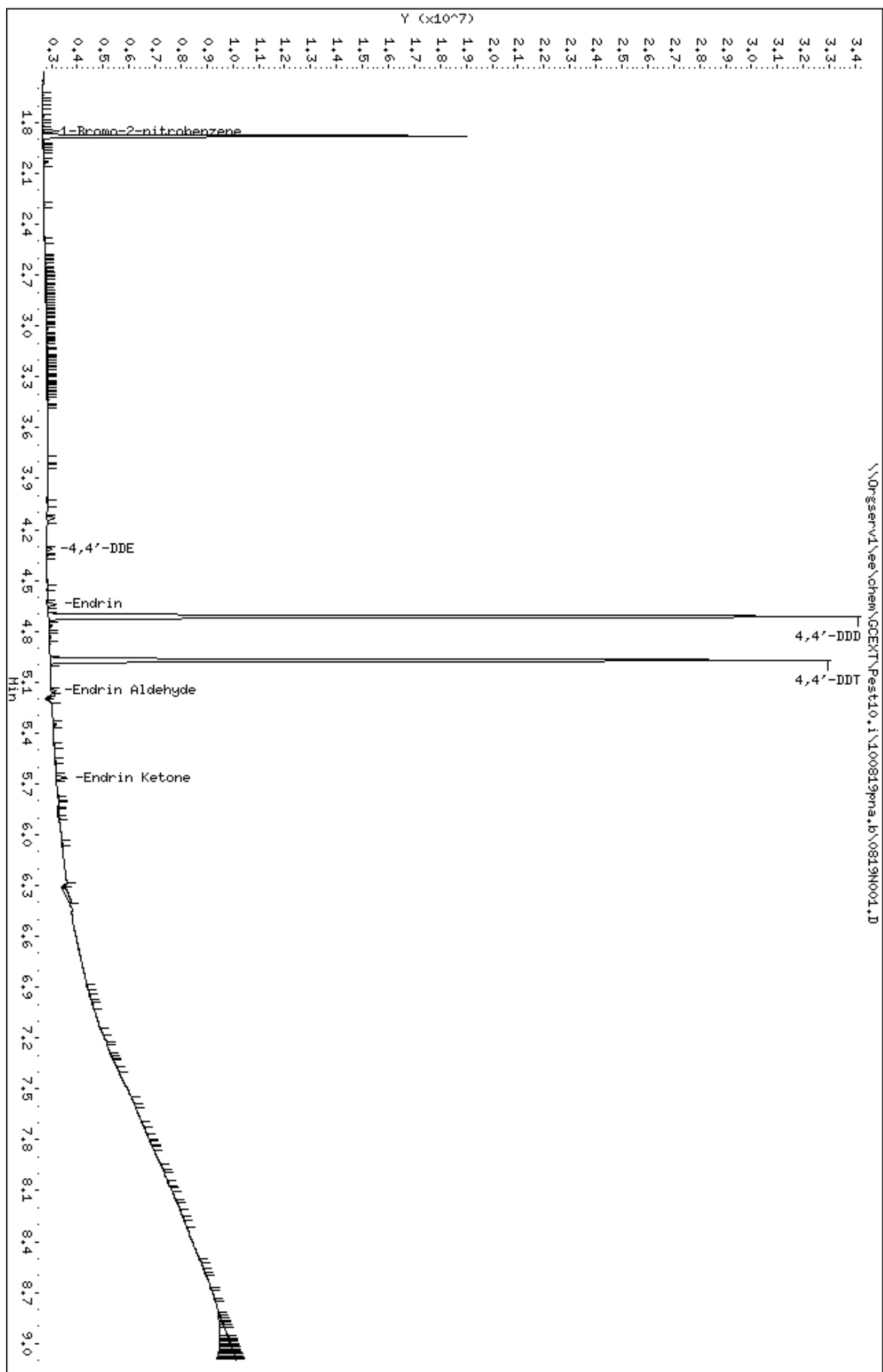
Column phase: RtX-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

Page 4



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N001.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 09:13
 Operator : sh Inst ID: Pest10.i
 Smp Info : +deg 608 3063
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:25 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 1 QC Sample: degradation
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: deg.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN (ug/mL)	FINAL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.879	1.866	(1.000)	10652398	0.02500	(M)	M2
14 4,4'-DDE	4.316	4.299	(2.460)	163170	3e-004	0.000266(RM)	M2
17 Endrin	4.712	4.697	(2.659)	28715634	0.04699	0.0470(M)	M2
18 4,4'-DDD	4.836	4.752	(2.696)	47403	9.e-005	0.0000897(RM)	M2
20 4,4'-DDT	4.972	4.957	(2.827)	27055171	0.04699	0.0470(M)	M2
21 Endrin Aldehyde	5.152	5.162	(2.872)	117712	3e-004	0.000258(M)	M2
24 Endrin Ketone	5.664	5.651	(3.122)	363023	5e-004	0.000516(RM)	M2

DDT Degradation Percent = 0.7723
 Endrin Degradation Percent = 1.646

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
 M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N001.D Calibration Time: 09:39
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	9697616	4848808	19395232	10652398	9.85

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.88	0.71

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

TARGET COMPOUNDS

Client Name:	Client SDG: 041201a
Lab Smp Id:	
Sample Location:	Sample Point:
Sample Date:	Date Received:
Sample Matrix: None	Quant Type: ISTD
Analysis Type: OTHER	Level:
Data Type: GC MULTI COMP	Operator: sh
Misc Info: wg423905, wg423871, ICAL5201	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/mL	Q
-----4,4'-DDE		0.000266	
-----Endrin		0.0470	
-----4,4'-DDD		0.0000897	
-----4,4'-DDT		0.0470	
-----Endrin Aldehyde		0.000258	
-----Endrin Ketone		0.000516	
=====		=====	=====

Data File: \\0rgserv1\ee\chem\GCEXT\Pest10.i\100819na,b\0819N001.D

Date : 19-AUG-2010 09:13

Client ID:

Sample Info: +deg 608 3063

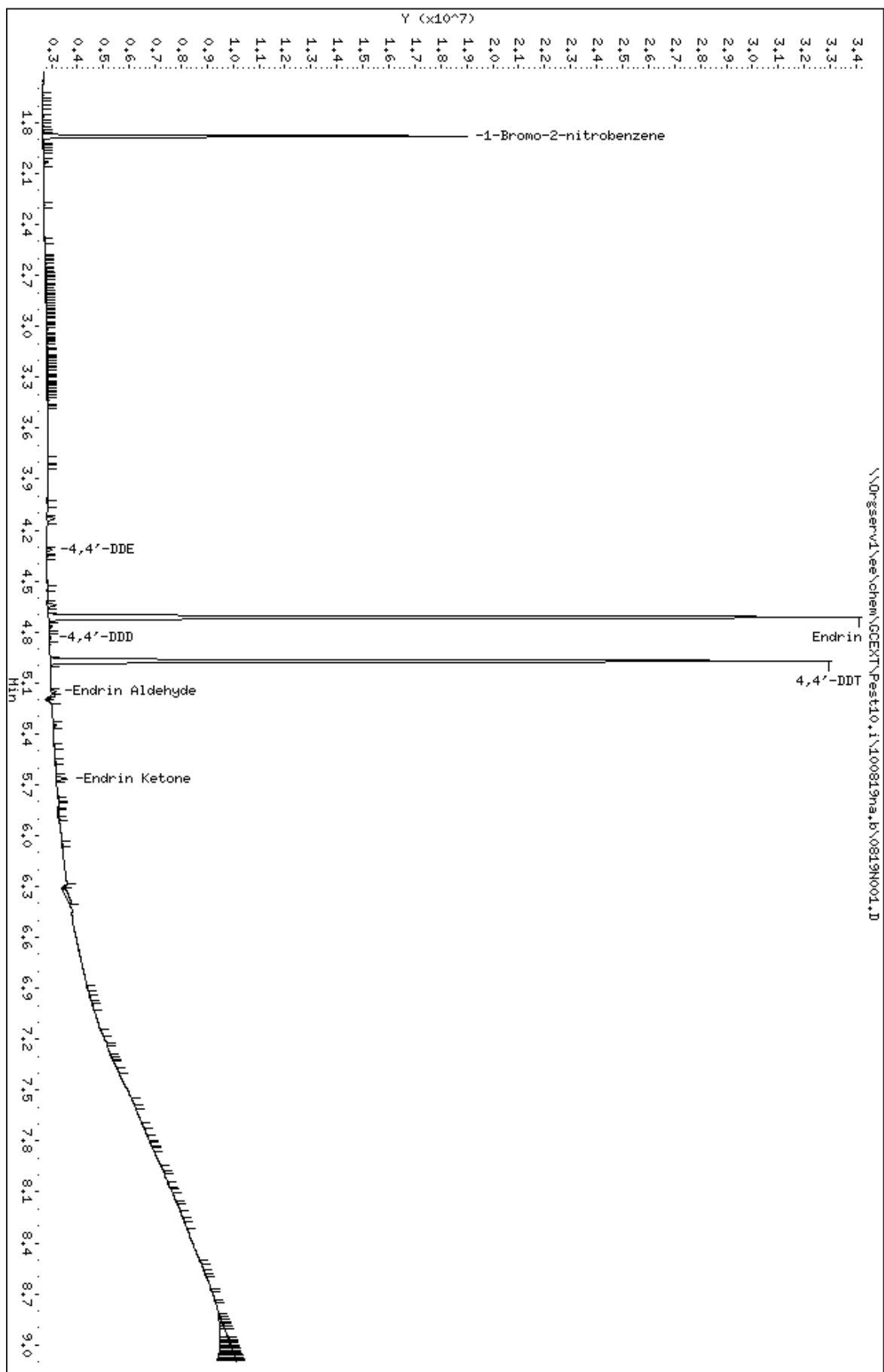
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N002.D
Lab Smp Id:
Inj Date : 19-AUG-2010 09:26
Operator : sh Inst ID: Pest10.i
Smp Info : pest l1 3065
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:30 Cal File: 0819N007.D
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pestical.sub
Target Version: 4.12
Processing Host: KRISTINF

					AMOUNTS		REVIEW CODE
					CAL-AMT	ON-COL	
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.867	1.867	(1.000)	9837996	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.346	2.346	(1.256)	380173	0.05000	0.000618	
3 Hexachlorobenzene	2.604	2.604	(1.394)	411261	0.05000	0.000657	
4 alpha-BHC	2.719	2.719	(1.456)	361329	0.05000	0.000566	
5 Lindane	2.942	2.942	(1.576)	351854	0.05000	0.000595	
6 beta-BHC	3.002	3.002	(1.608)	198457	0.05000	0.000699	
7 delta-BHC	3.136	3.136	(1.679)	339916	0.05000	0.000570	
8 Heptachlor	3.301	3.301	(1.767)	425464	0.05000	0.000678	
9 Aldrin	3.537	3.537	(1.894)	330356	0.05000	0.000587	
10 Alachlor	3.649	3.649	(1.954)	75855	0.05000	0.000741	
11 Heptachlor Epoxide	4.031	4.031	(2.158)	351329	0.05000	0.000594	
12 trans-Chlordane	4.129	4.129	(2.211)	390642	0.05000	0.000615	
13 cis-Chlordane	4.237	4.237	(2.269)	354095	0.05000	0.000623	
14 4,4'-DDE	4.301	4.301	(2.303)	313417	0.05000	0.000553	
15 Endosulfan I	4.341	4.341	(2.324)	328944	0.05000	0.000625	
16 Dieldrin	4.526	4.526	(2.423)	330160	0.05000	0.000562	
17 Endrin	4.699	4.699	(2.516)	329255	0.05000	0.000583	
18 4,4'-DDD	4.752	4.752	(2.545)	269944	0.05000	0.000553	
19 Endosulfan II	4.862	4.862	(2.603)	320044	0.05000	0.000622	
20 4,4'-DDT	4.957	4.957	(2.654)	303081	0.05000	0.000570	
21 Endrin Aldehyde	5.162	5.162	(2.764)	204799	0.05000	0.000485	
22 Methoxychlor	5.306	5.306	(2.841)	187479	0.05000	0.000604	
23 Endosulfan Sulfate	5.464	5.464	(2.926)	323993	0.05000	0.000619	
24 Endrin Ketone	5.652	5.652	(3.026)	423882	0.05000	0.000653	
\$ 25 Decachlorobiphenyl	6.314	6.314	(3.381)	407436	0.05000	0.000648	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N002.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

Calibration Date: 19-AUG-2010
Calibration Time: 14:21
Level:
Sample Type:

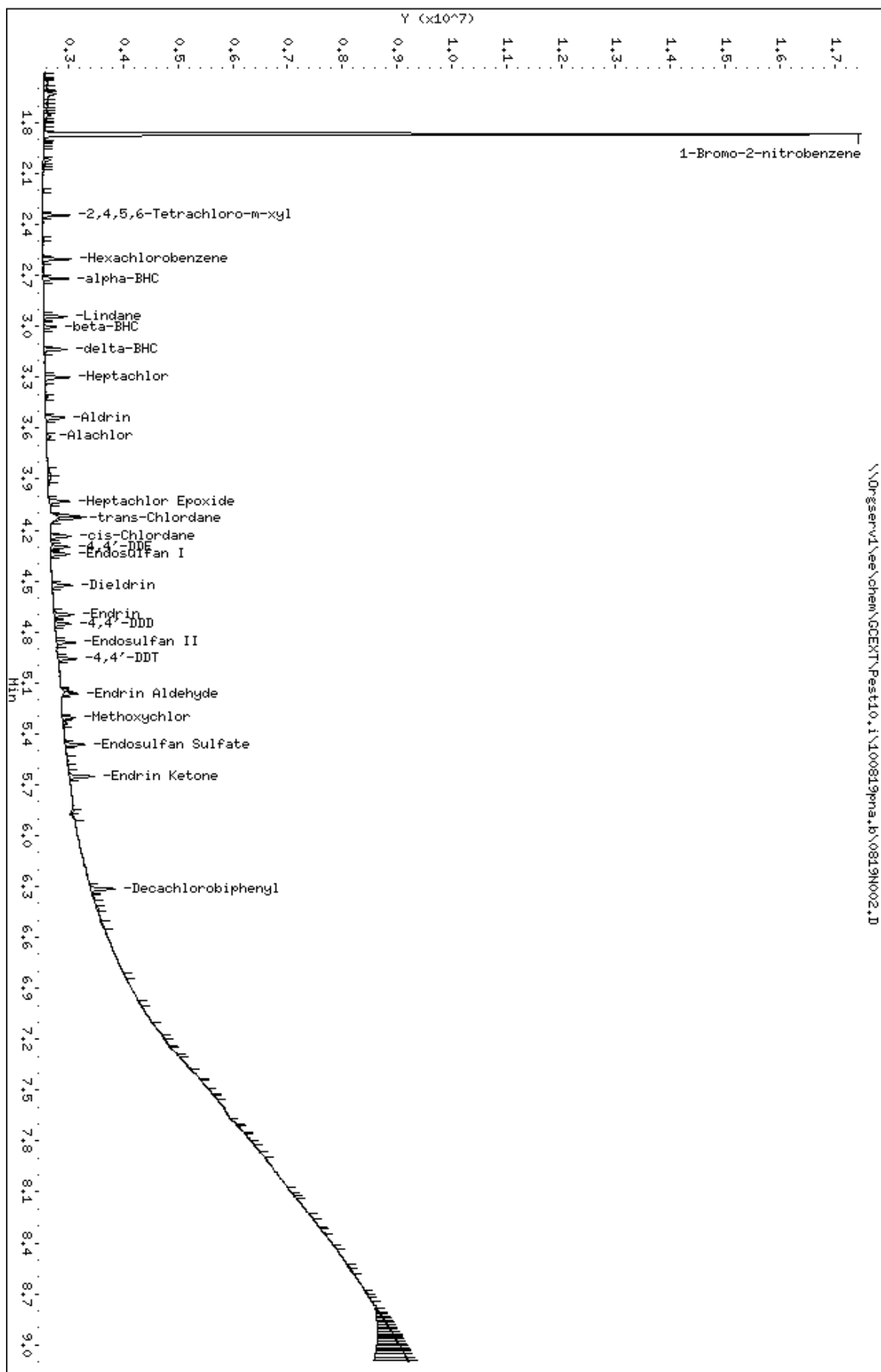
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11121074	5560537	22242148	9837996	-11.54

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.09

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N002.D
Date : 19-AUG-2010 09:26
Client ID:
Sample Info: pest 11 3065
Column phase: Rtx-CLP

Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N002.D
Lab Smp Id:
Inj Date : 19-AUG-2010 09:26
Operator : sh Inst ID: Pest10.i
Smp Info : pest l1 3065
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
Meth Date : 30-Aug-2010 08:31 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pestical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.867	1.867	(1.000)	9837996	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.346	2.346	(1.256)	380173	0.00050	0.000618	
3 Hexachlorobenzene	2.604	2.604	(1.394)	411261	0.00050	0.000657	
4 alpha-BHC	2.719	2.719	(1.456)	361329	0.00050	0.000566	
5 Lindane	2.942	2.942	(1.576)	351854	0.00050	0.000595	
6 beta-BHC	3.002	3.002	(1.608)	198457	0.00050	0.000699	
7 delta-BHC	3.136	3.136	(1.679)	339916	0.00050	0.000570	
8 Heptachlor	3.301	3.301	(1.767)	425464	0.00050	0.000678	
9 Aldrin	3.537	3.537	(1.894)	330356	0.00050	0.000587	
10 Alachlor	3.649	3.649	(1.954)	75855	0.00050	0.000741	
11 Heptachlor Epoxide	4.031	4.031	(2.158)	351329	0.00050	0.000594	
12 trans-Chlordane	4.117	4.117	(2.211)	451963	0.00050	0.000712(M)	M2
13 cis-Chlordane	4.237	4.237	(2.269)	354095	0.00050	0.000623	
14 4,4'-DDE	4.301	4.301	(2.303)	313417	0.00050	0.000553	
15 Endosulfan I	4.341	4.341	(2.324)	328944	0.00050	0.000625	
16 Dieldrin	4.526	4.526	(2.423)	330160	0.00050	0.000562	
17 Endrin	4.699	4.699	(2.516)	329255	0.00050	0.000583	
18 4,4'-DDD	4.752	4.752	(2.545)	269944	0.00050	0.000553	
19 Endosulfan II	4.862	4.862	(2.603)	320044	0.00050	0.000622	
20 4,4'-DDT	4.957	4.957	(2.654)	303081	0.00050	0.000570	
21 Endrin Aldehyde	5.162	5.162	(2.764)	273501	0.00050	0.000648(M)	M4
22 Methoxychlor	5.306	5.306	(2.841)	187479	0.00050	0.000604	
23 Endosulfan Sulfate	5.464	5.464	(2.926)	323993	0.00050	0.000619	
24 Endrin Ketone	5.652	5.652	(3.026)	423882	0.00050	0.000653	
\$ 25 Decachlorobiphenyl	6.314	6.314	(3.381)	407436	0.00050	0.000648	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N002.D Calibration Time: 09:26
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	9837996	4918998	19675992	9837996	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819na,b\0819N002.D

Date : 19-AUG-2010 09:26

Client ID:

Sample Info: pest 11 3065

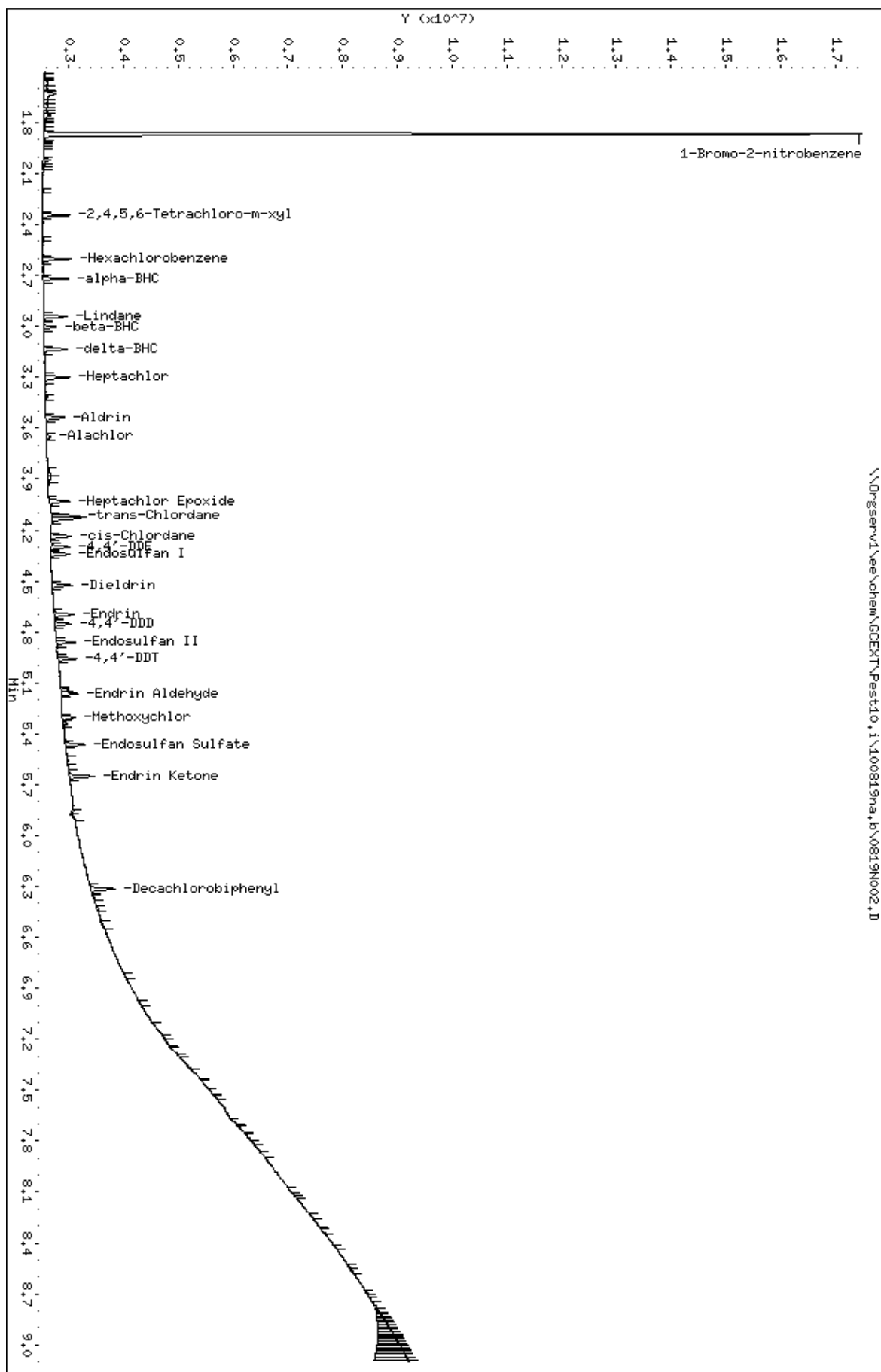
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N003.D

Lab Smp Id:

Inj Date : 19-AUG-2010 09:39

Operator : sh

Inst ID: Pest10.i

Smp Info : pest l2 3077

Misc Info : wg423905, wg423871, ICAL5201

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m

Meth Date : 30-Aug-2010 18:17 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 09:39

Cal File: 0819N003.D

Als bottle: 3

Calibration Sample, Level: 2

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

Processing Host: KRISTINF

						AMOUNTS		REVIEW CODE
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====		====	=====	=====	=====	=====	=====	=====
* 1	1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	9697616	0.02500		
\$ 2	2,4,5,6-Tetrachloro-m-xylene	2.344	2.344	(1.256)	636053	0.00100	0.00105	
3	Hexachlorobenzene	2.602	2.602	(1.395)	687329	0.00100	0.00111	
4	alpha-BHC	2.717	2.717	(1.456)	620538	0.00100	0.000986	
5	Lindane	2.941	2.941	(1.576)	588485	0.00100	0.00101	
6	beta-BHC	3.002	3.002	(1.609)	331779	0.00100	0.00118	
7	delta-BHC	3.134	3.134	(1.680)	586810	0.00100	0.000998	
8	Heptachlor	3.301	3.301	(1.769)	685410	0.00100	0.00111	
9	Aldrin	3.537	3.537	(1.896)	573724	0.00100	0.00103	
10	Alachlor	3.647	3.647	(1.955)	123628	0.00100	0.00122	
11	Heptachlor Epoxide	4.029	4.029	(2.159)	612015	0.00100	0.00105	
12	trans-Chlordane	4.129	4.129	(2.213)	1444037	0.00100	0.00193	
13	cis-Chlordane	4.236	4.236	(2.270)	621990	0.00100	0.00111	
14	4,4'-DDE	4.299	4.299	(2.304)	557225	0.00100	0.000998	
15	Endosulfan I	4.341	4.341	(2.326)	567832	0.00100	0.00109	
16	Dieldrin	4.524	4.524	(2.425)	576934	0.00100	0.000996	
17	Endrin	4.697	4.697	(2.517)	569712	0.00100	0.00102	
18	4,4'-DDD	4.752	4.752	(2.547)	493239	0.00100	0.00102	
19	Endosulfan II	4.861	4.861	(2.605)	572012	0.00100	0.00113	
20	4,4'-DDT	4.957	4.957	(2.657)	549675	0.00100	0.00105	
21	Endrin Aldehyde	5.162	5.162	(2.767)	381129	0.00100	0.000916	
22	Methoxychlor	5.304	5.304	(2.842)	351472	0.00100	0.00115	
23	Endosulfan Sulfate	5.462	5.462	(2.927)	582814	0.00100	0.00113	
24	Endrin Ketone	5.651	5.651	(3.028)	737934	0.00100	0.00115	
\$ 25	Decachlorobiphenyl	6.307	6.307	(3.380)	730105	0.00100	0.00118	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N003.D

Calibration Date: 19-AUG-2010
Calibration Time: 09:39

Lab Smp Id:

Analysis Type: OTHER

Level:

Quant Type: ISTD

Sample Type:

Operator: sh

Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m

Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	9697616	4848808	19395232	9697616	0.00

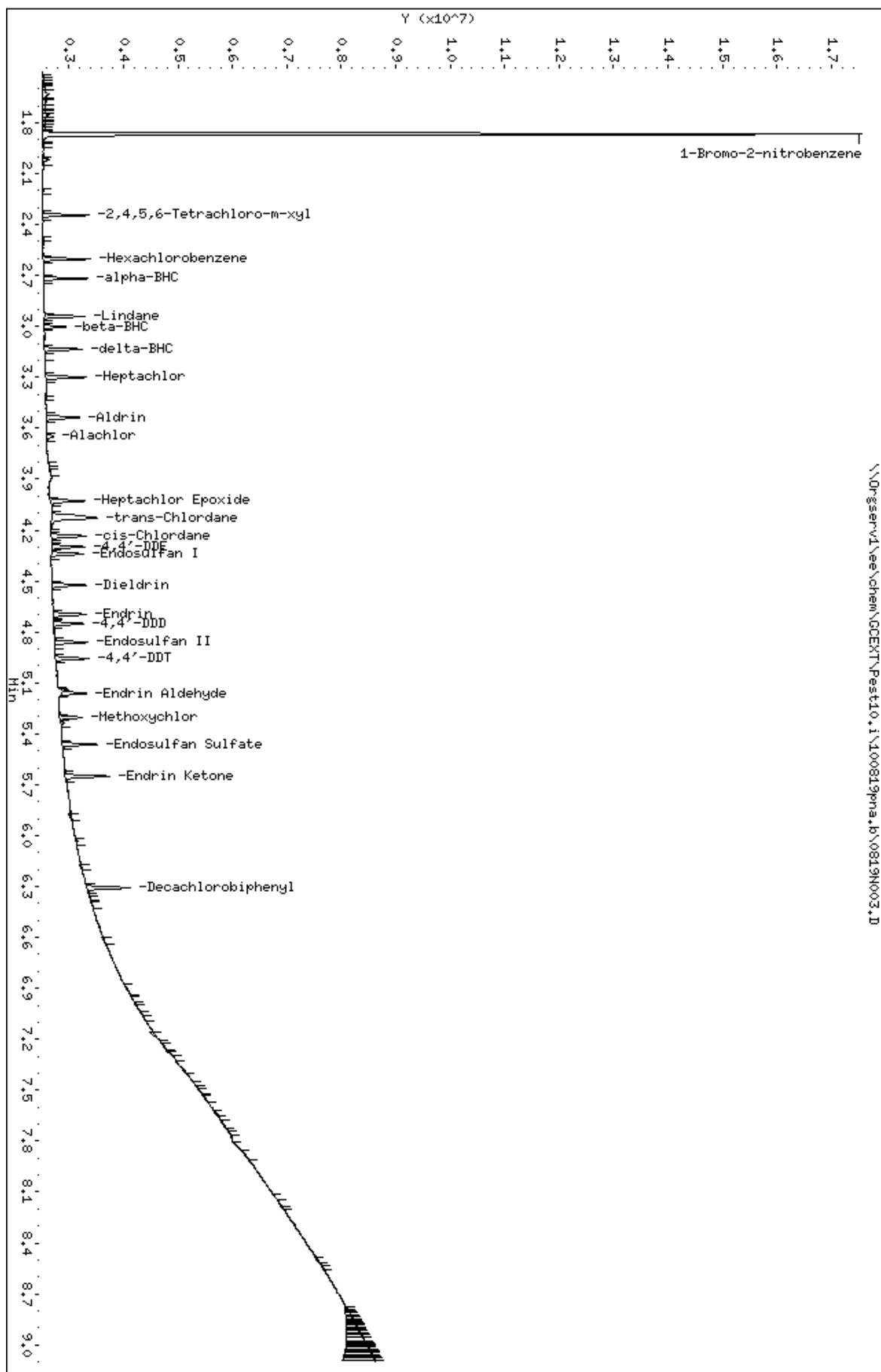
COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.00

AREA UPPER LIMIT = +100% of internal standard area.

AREA LOWER LIMIT = - 50% of internal standard area.

RT UPPER LIMIT = + 0.50 minutes of internal standard RT.

RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N003.D

Lab Smp Id:

Inj Date : 19-AUG-2010 09:39

Operator : sh

Inst ID: Pest10.i

Smp Info : pest l2 3077

Misc Info : wg423905, wg423871, ICAL5201

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m

Meth Date : 30-Aug-2010 18:14 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 09:39

Cal File: 0819N003.D

Als bottle: 3

Calibration Sample, Level: 2

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

						AMOUNTS		REVIEW CODE
Compounds				RT	EXP RT	REL RT	RESPONSE	
				====	=====	=====	=====	=====
* \$	1	1-Bromo-2-nitrobenzene		1.866	1.866	(1.000)	9697616	0.02500
	2	2,4,5,6-Tetrachloro-m-xylene		2.344	2.344	(1.256)	636053	0.00100 0.00105
	3	Hexachlorobenzene		2.602	2.602	(1.395)	687329	0.00100 0.00111
	4	alpha-BHC		2.717	2.717	(1.456)	620538	0.00100 0.000986
	5	Lindane		2.941	2.941	(1.576)	588485	0.00100 0.00101
	6	beta-BHC		3.002	3.002	(1.609)	331779	0.00100 0.00118
	7	delta-BHC		3.134	3.134	(1.680)	586810	0.00100 0.000998
	8	Heptachlor		3.301	3.301	(1.769)	685410	0.00100 0.00111
	9	Aldrin		3.537	3.537	(1.896)	573724	0.00100 0.00103
	10	Alachlor		3.647	3.647	(1.955)	123628	0.00100 0.00122
	11	Heptachlor Epoxide		4.029	4.029	(2.159)	612015	0.00100 0.00105
	12	trans-Chlordane		4.122	4.122	(2.213)	596957	0.00100 0.000954(M) M4
	13	cis-Chlordane		4.236	4.236	(2.270)	621990	0.00100 0.00111
	14	4,4'-DDE		4.299	4.299	(2.304)	557225	0.00100 0.000998
	15	Endosulfan I		4.341	4.341	(2.326)	567832	0.00100 0.00109
	16	Dieldrin		4.524	4.524	(2.425)	576934	0.00100 0.000996
	17	Endrin		4.697	4.697	(2.517)	569712	0.00100 0.00102
	18	4,4'-DDD		4.752	4.752	(2.547)	493239	0.00100 0.00102
	19	Endosulfan II		4.861	4.861	(2.605)	572012	0.00100 0.00113
	20	4,4'-DDT		4.957	4.957	(2.657)	549675	0.00100 0.00105
	21	Endrin Aldehyde		5.162	5.162	(2.767)	381129	0.00100 0.000916
	22	Methoxychlor		5.304	5.304	(2.842)	351472	0.00100 0.00115
	23	Endosulfan Sulfate		5.462	5.462	(2.927)	582814	0.00100 0.00113
	24	Endrin Ketone		5.651	5.651	(3.028)	737934	0.00100 0.00115
	25	Decachlorobiphenyl		6.307	6.307	(3.380)	730105	0.00100 0.00118

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N003.D Calibration Time: 09:26
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	9837996	4918998	19675992	9697616	-1.43

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.09

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\rd1\ee\chem\GC\EXT\Pest10.i\100819na,b\0819N003.D

Date : 19-AUG-2010 09:39

Client ID:

Sample Info: pest 12 3077

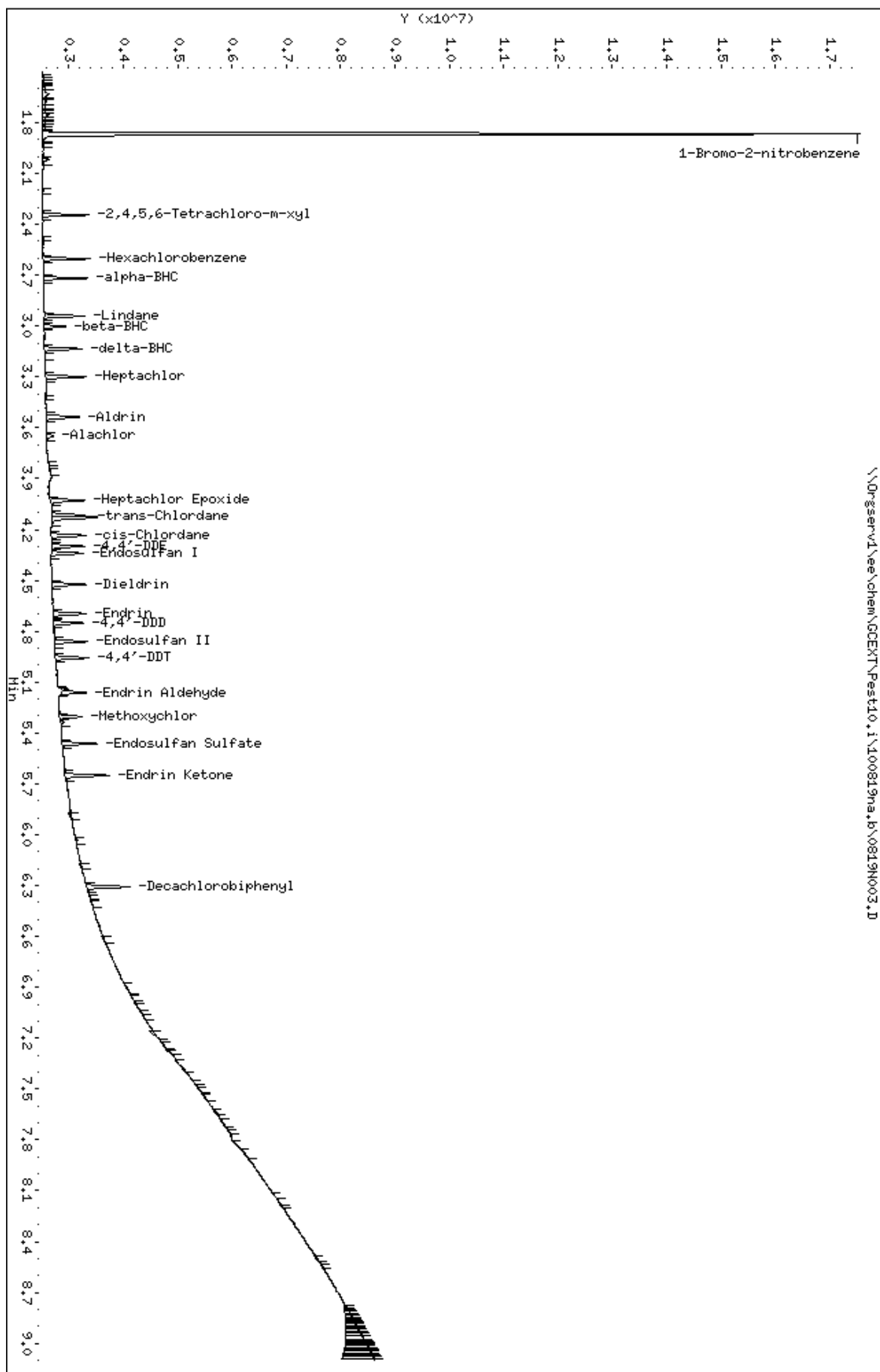
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

Page 3



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N004.D

Lab Smp Id:

Inj Date : 19-AUG-2010 09:52

Operator : sh

Inst ID: Pest10.i

Smp Info : pest l3 3067

Misc Info : wg423905, wg423871, ICAL5201

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m

Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 4

Calibration Sample, Level: 3

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

Processing Host: KRISTINF

					AMOUNTS		REVIEW CODE
					CAL-AMT	ON-COL	
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10363566	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.344	2.344	(1.256)	3016622	0.00500	0.00465	
3 Hexachlorobenzene	2.602	2.602	(1.395)	3118565	0.00500	0.00473	
4 alpha-BHC	2.717	2.717	(1.456)	3065129	0.00500	0.00456	
5 Lindane	2.941	2.941	(1.576)	2852175	0.00500	0.00458	
6 beta-BHC	3.002	3.002	(1.609)	1507744	0.00500	0.00504	
7 delta-BHC	3.134	3.134	(1.680)	2866597	0.00500	0.00456	
8 Heptachlor	3.299	3.299	(1.768)	3148634	0.00500	0.00476	
9 Aldrin	3.536	3.536	(1.895)	2736789	0.00500	0.00462	
10 Alachlor	3.647	3.647	(1.955)	552500	0.00500	0.00513	
11 Heptachlor Epoxide	4.029	4.029	(2.159)	2902893	0.00500	0.00466	
12 trans-Chlordane	4.129	4.129	(2.213)	3096547	0.00500	0.00463	
13 cis-Chlordane	4.234	4.234	(2.269)	2900476	0.00500	0.00484	
14 4,4'-DDE	4.299	4.299	(2.304)	2709567	0.00500	0.00454	
15 Endosulfan I	4.339	4.339	(2.325)	2636764	0.00500	0.00475	
16 Dieldrin	4.524	4.524	(2.425)	2828062	0.00500	0.00457	
17 Endrin	4.696	4.696	(2.517)	2685995	0.00500	0.00452	
18 4,4'-DDD	4.751	4.751	(2.546)	2377256	0.00500	0.00462	
19 Endosulfan II	4.861	4.861	(2.605)	2608580	0.00500	0.00482	
20 4,4'-DDT	4.956	4.956	(2.656)	2622850	0.00500	0.00468	
21 Endrin Aldehyde	5.161	5.161	(2.766)	2073536	0.00500	0.00466	
22 Methoxychlor	5.304	5.304	(2.843)	1643771	0.00500	0.00503	
23 Endosulfan Sulfate	5.462	5.462	(2.927)	2636757	0.00500	0.00478	
24 Endrin Ketone	5.651	5.651	(3.028)	3275703	0.00500	0.00479	
\$ 25 Decachlorobiphenyl	6.307	6.307	(3.380)	3188099	0.00500	0.00482	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

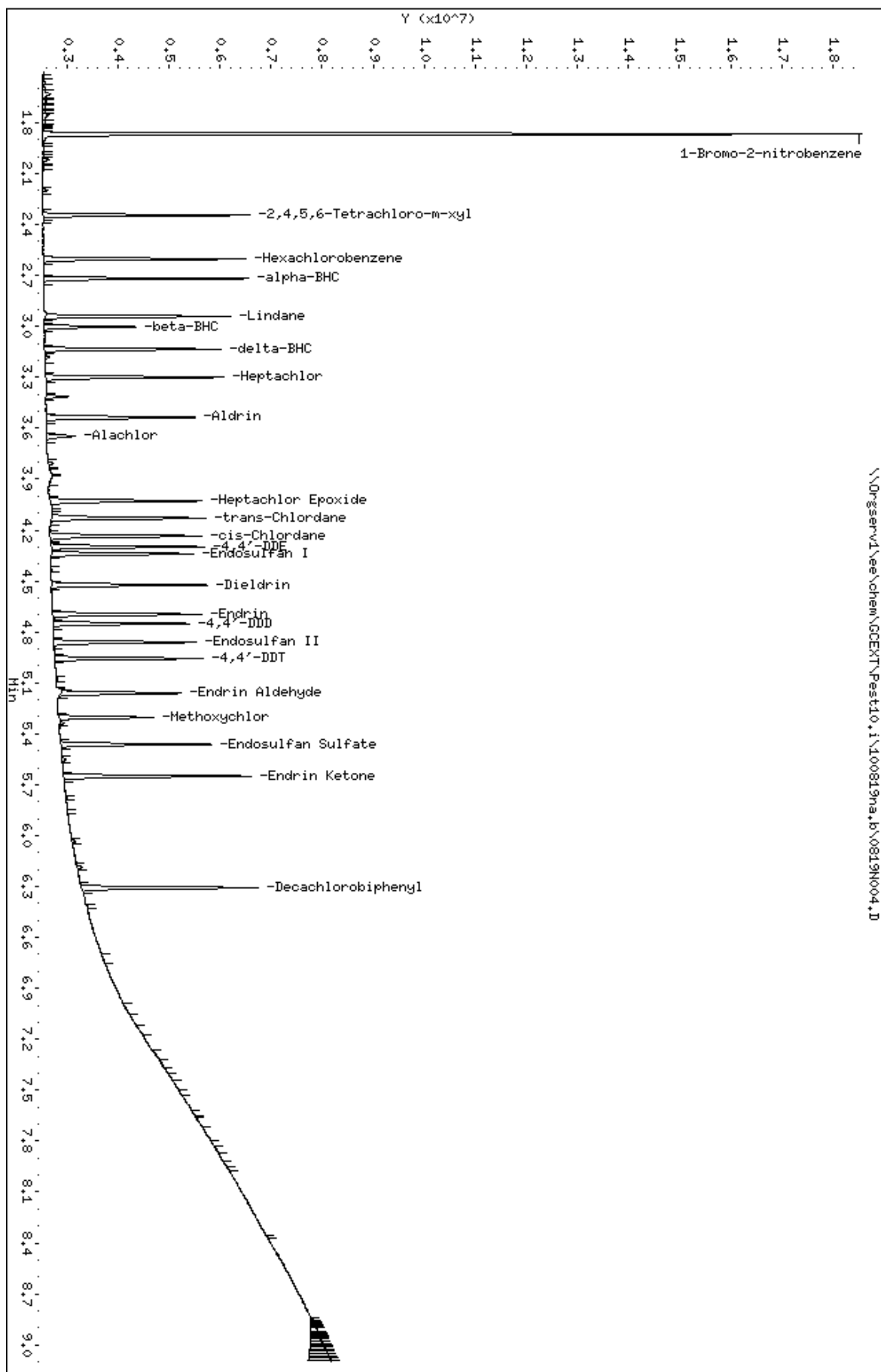
Instrument ID: Pest10.i
Lab File ID: 0819N004.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

Calibration Date: 19-AUG-2010
Calibration Time: 09:39
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	9697616	4848808	19395232	10363566	6.87

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N005.D
Lab Smp Id:
Inj Date : 19-AUG-2010 10:05
Operator : sh Inst ID: Pest10.i
Smp Info : pest l4 3068
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:30 Cal File: 0819N007.D
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pestical.sub
Target Version: 4.12
Processing Host: KRISTINF

						AMOUNTS		REVIEW CODE
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====		=====	=====	=====	=====	=====	=====	=====
* 1	1-Bromo-2-nitrobenzene	1.865	1.865	(1.000)	10541300	0.02500		
\$ 2	2,4,5,6-Tetrachloro-m-xylene	2.344	2.344	(1.256)	6294447	0.01000	0.00954	
	3 Hexachlorobenzene	2.602	2.602	(1.395)	6344772	0.01000	0.00946	
	4 alpha-BHC	2.717	2.717	(1.456)	6615321	0.01000	0.00967	
	5 Lindane	2.940	2.940	(1.576)	6184728	0.01000	0.00977	
	6 beta-BHC	3.002	3.002	(1.609)	3058915	0.01000	0.0100	
	7 delta-BHC	3.135	3.135	(1.681)	6170952	0.01000	0.00965	
	8 Heptachlor	3.300	3.300	(1.769)	6551320	0.01000	0.00974	
	9 Aldrin	3.537	3.537	(1.896)	5848078	0.01000	0.00970	
10	Alachlor	3.647	3.647	(1.955)	1132210	0.01000	0.0103	
11	Heptachlor Epoxide	4.029	4.029	(2.159)	6218618	0.01000	0.00982	
12	trans-Chlordane	4.130	4.130	(2.214)	6541517	0.01000	0.00962	
13	cis-Chlordane	4.235	4.235	(2.270)	6052497	0.01000	0.00993	
14	4,4'-DDE	4.299	4.299	(2.304)	5944637	0.01000	0.00980	
15	Endosulfan I	4.339	4.339	(2.326)	5614859	0.01000	0.00995	
16	Dieldrin	4.524	4.524	(2.425)	6046233	0.01000	0.00961	
17	Endrin	4.697	4.697	(2.518)	5680761	0.01000	0.00939	
18	4,4'-DDD	4.750	4.750	(2.546)	5083424	0.01000	0.00972	
19	Endosulfan II	4.860	4.860	(2.605)	5444990	0.01000	0.00988	
20	4,4'-DDT	4.955	4.955	(2.656)	5561377	0.01000	0.00976	
21	Endrin Aldehyde	5.160	5.160	(2.766)	4632987	0.01000	0.0102	
22	Methoxychlor	5.304	5.304	(2.843)	3381183	0.01000	0.0102	
23	Endosulfan Sulfate	5.462	5.462	(2.928)	5490725	0.01000	0.00980	
24	Endrin Ketone	5.650	5.650	(3.029)	6888009	0.01000	0.00990	
\$ 25	Decachlorobiphenyl	6.307	6.307	(3.381)	6494634	0.01000	0.00964	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

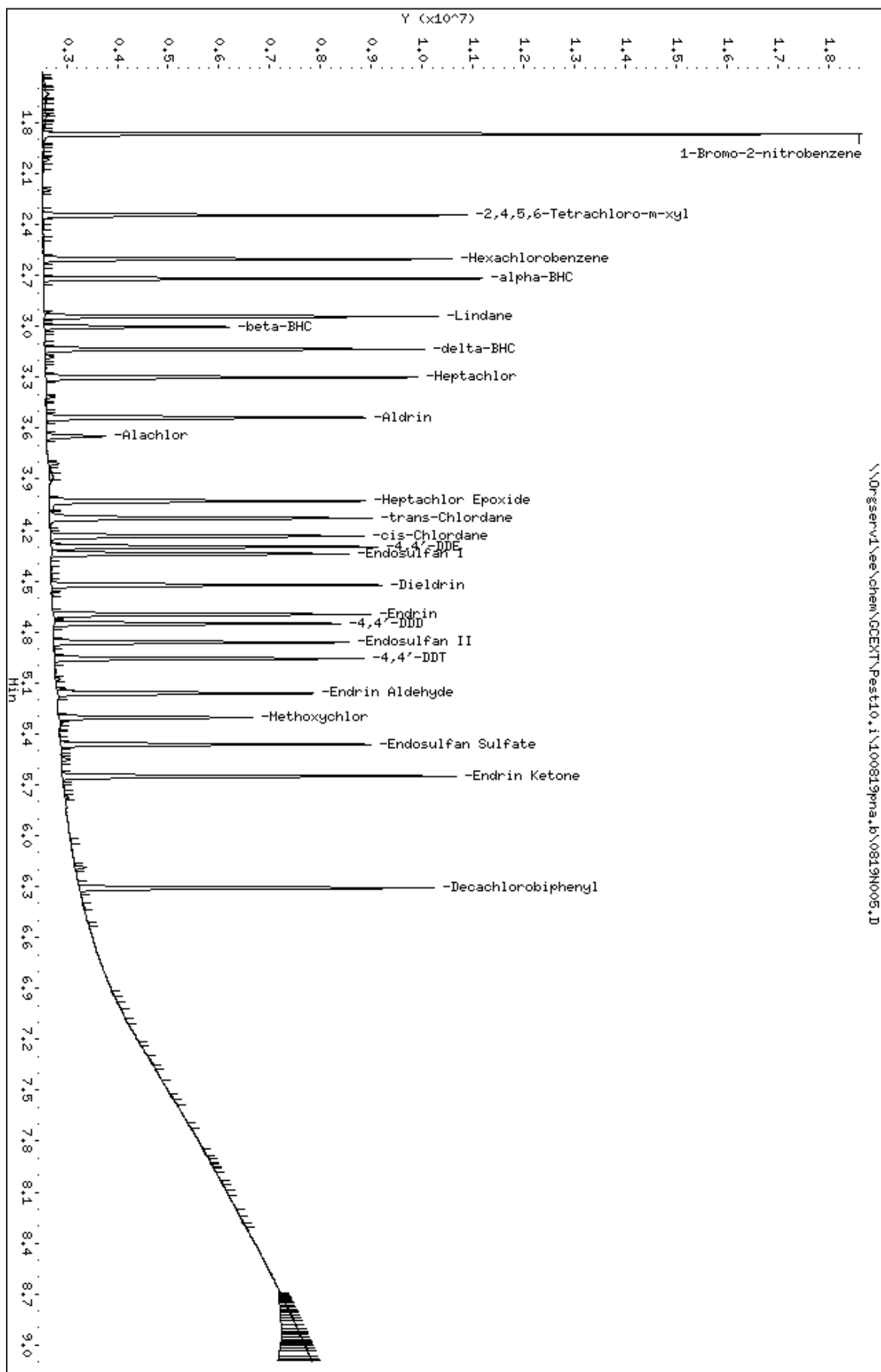
Instrument ID: Pest10.i
Lab File ID: 0819N005.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

Calibration Date: 19-AUG-2010
Calibration Time: 09:39
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	9697616	4848808	19395232	10541300	8.70

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N005.D

Lab Smp Id:

Inj Date : 19-AUG-2010 10:05

Operator : sh

Inst ID: Pest10.i

Smp Info : pest l4 3068

Misc Info : wg423905, wg423871, ICAL5201

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m

Meth Date : 30-Aug-2010 08:31 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 10:05

Cal File: 0819N005.D

Als bottle: 5

Calibration Sample, Level: 4

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

						AMOUNTS		REVIEW CODE
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====		====	=====	=====	=====	=====	=====	=====
* 1	1-Bromo-2-nitrobenzene	1.865	1.867 (1.000)		10541300	0.02500	(M)	M2
\$ 2	2,4,5,6-Tetrachloro-m-xylene	2.344	2.346 (1.283)		6294447	0.01000	0.00954(M)	M2
	3 Hexachlorobenzene	2.602	2.604 (1.509)		6344772	0.01000	0.00946(M)	M2
	4 alpha-BHC	2.717	2.719 (1.552)		6615321	0.01000	0.00967(M)	M2
	5 Lindane	2.940	2.942 (1.679)		6184728	0.01000	0.00977(M)	M2
	6 beta-BHC	3.002	3.002 (1.707)		3058915	0.01000	0.0100(M)	M2
	7 delta-BHC	3.135	3.136 (1.829)		6170952	0.01000	0.00965(M)	M2
	8 Heptachlor	3.300	3.301 (1.886)		6551320	0.01000	0.00974(M)	M2
	9 Aldrin	3.537	3.537 (2.009)		5848078	0.01000	0.00970(M)	M2
	10 Alachlor	3.647	3.649 (1.969)		1132210	0.01000	0.0103(M)	M2
	11 Heptachlor Epoxide	4.029	4.031 (2.292)		6218618	0.01000	0.00982(M)	M2
	12 trans-Chlordane	4.130	4.117 (2.339)		6541517	0.01000	0.00962(M)	M2
	13 cis-Chlordane	4.235	4.237 (2.370)		6052497	0.01000	0.00993(M)	M2
	14 4,4'-DDE	4.299	4.301 (2.456)		5944637	0.01000	0.00980(M)	M2
	15 Endosulfan I	4.339	4.341 (2.429)		5614859	0.01000	0.00995(M)	M2
	16 Dieldrin	4.524	4.526 (2.544)		6046233	0.01000	0.00961(M)	M2
	17 Endrin	4.697	4.699 (2.657)		5680761	0.01000	0.00939(M)	M2
	18 4,4'-DDD	4.750	4.752 (2.668)		5083424	0.01000	0.00972(M)	M2
	19 Endosulfan II	4.860	4.862 (2.742)		5444990	0.01000	0.00988(M)	M2
	20 4,4'-DDT	4.955	4.957 (2.794)		5561377	0.01000	0.00976(M)	M2
	21 Endrin Aldehyde	5.160	5.162 (2.844)		4632987	0.01000	0.0102(M)	M2
	22 Methoxychlor	5.304	5.306 (2.956)		3381183	0.01000	0.0102(M)	M2
	23 Endosulfan Sulfate	5.462	5.464 (0.000)		5490725	0.01000	0.00980(M)	M2
	24 Endrin Ketone	5.650	5.652 (3.120)		6888009	0.01000	0.00990(M)	M2
\$ 25	Decachlorobiphenyl	6.307	6.314 (0.000)		6494634	0.01000	0.00964(M)	M2

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

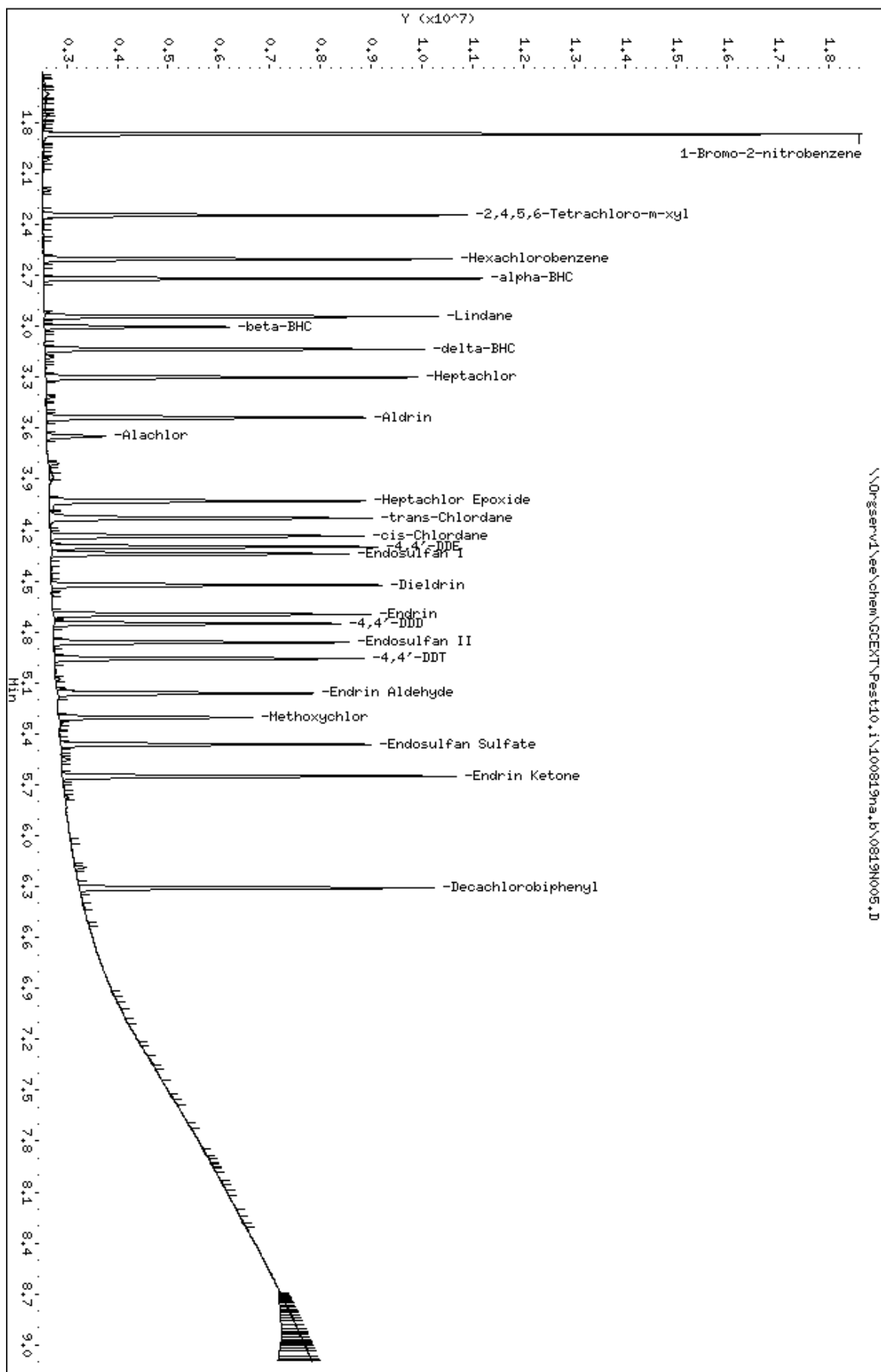
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N005.D Calibration Time: 09:26
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	9837996	4918998	19675992	10541300	7.15

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.11

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N006.D

Lab Smp Id:

Inj Date : 19-AUG-2010 10:17

Operator : sh

Inst ID: Pest10.i

Smp Info : pest l5 3069

Misc Info : wg423905, wg423871, ICAL5201

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m

Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 10:05

Cal File: 0819N005.D

Als bottle: 6

Calibration Sample, Level: 5

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

Processing Host: KRISTINF

					AMOUNTS		REVIEW CODE
					CAL-AMT	ON-COL	
					(ug/mL)	(ug/mL)	
Compounds	RT	EXP RT	REL RT	RESPONSE			
=====	====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.865	1.865	(1.000)	10980635	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.345	2.345	(1.257)	33097328	0.05000	0.0482	
3 Hexachlorobenzene	2.602	2.602	(1.395)	32104343	0.05000	0.0460	
4 alpha-BHC	2.719	2.719	(1.457)	37497905	0.05000	0.0526	
5 Lindane	2.940	2.940	(1.576)	34464778	0.05000	0.0522	
6 beta-BHC	3.002	3.002	(1.609)	15339067	0.05000	0.0484	
7 delta-BHC	3.135	3.135	(1.681)	35006818	0.05000	0.0526	
8 Heptachlor	3.300	3.300	(1.769)	35137788	0.05000	0.0502	
9 Aldrin	3.537	3.537	(1.896)	32435121	0.05000	0.0516	
10 Alachlor	3.647	3.647	(1.955)	5193292	0.05000	0.0455	
11 Heptachlor Epoxide	4.029	4.029	(2.159)	31932551	0.05000	0.0484	
12 trans-Chlordane	4.130	4.130	(2.214)	33242936	0.05000	0.0469	
13 cis-Chlordane	4.235	4.235	(2.270)	31705040	0.05000	0.0500	
14 4,4'-DDE	4.299	4.299	(2.304)	32934490	0.05000	0.0521	
15 Endosulfan I	4.340	4.340	(2.327)	29361173	0.05000	0.0500	
16 Dieldrin	4.524	4.524	(2.425)	33392065	0.05000	0.0509	
17 Endrin	4.697	4.697	(2.518)	31501865	0.05000	0.0500	
18 4,4'-DDD	4.752	4.752	(2.547)	28334801	0.05000	0.0520	
19 Endosulfan II	4.862	4.862	(2.606)	28719021	0.05000	0.0500	
20 4,4'-DDT	4.957	4.957	(2.657)	30444087	0.05000	0.0513	
21 Endrin Aldehyde	5.162	5.162	(2.767)	25089343	0.05000	0.0533	
22 Methoxychlor	5.304	5.304	(2.843)	16984576	0.05000	0.0490	
23 Endosulfan Sulfate	5.462	5.462	(2.928)	29110199	0.05000	0.0498	
24 Endrin Ketone	5.650	5.650	(3.029)	36111290	0.05000	0.0498	
\$ 25 Decachlorobiphenyl	6.307	6.307	(3.381)	31505139	0.05000	0.0449	

Alpha Analytical Labs

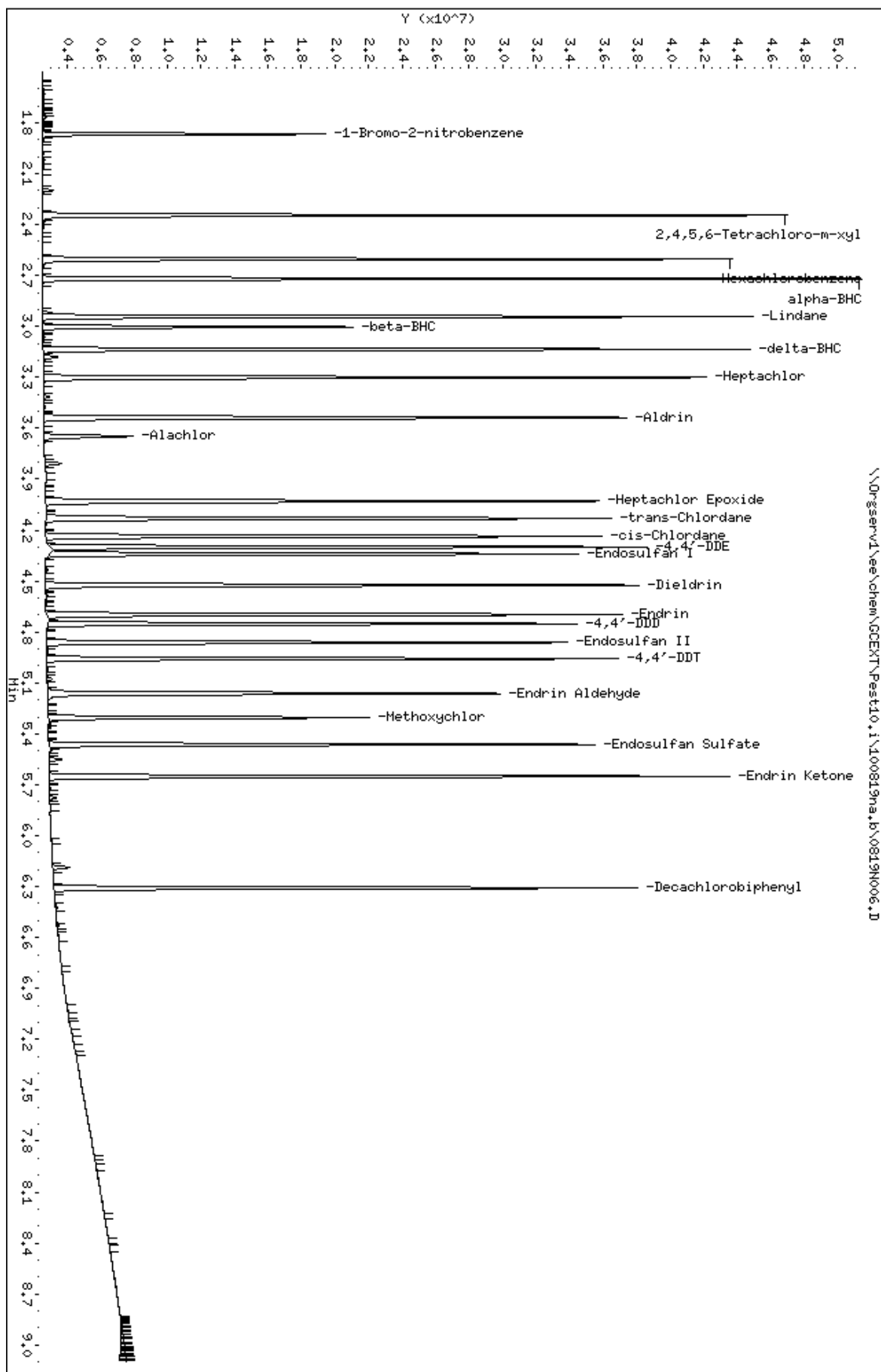
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N006.D Calibration Time: 10:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10980635	5490318	21961270	10980635	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N007.D

Lab Smp Id:

Inj Date : 19-AUG-2010 10:30

Operator : sh

Inst ID: Pest10.i

Smp Info : pest l6 3070

Misc Info : wg423905, wg423871, ICAL5201

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m

Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 10:17

Cal File: 0819N006.D

Als bottle: 7

Calibration Sample, Level: 6

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

Processing Host: KRISTINF

						AMOUNTS		
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	REVIEW CODE
=====		====	=====	=====	=====	=====	=====	=====
*	1 1-Bromo-2-nitrobenzene	1.867	1.867	(1.000)	10618386	0.02500		
\$	2 2,4,5,6-Tetrachloro-m-xylene	2.345	2.345	(1.256)	61573523	0.10000	0.0927	
	3 Hexachlorobenzene	2.602	2.602	(1.394)	59086387	0.10000	0.0875	
	4 alpha-BHC	2.718	2.718	(1.456)	70767160	0.10000	0.103	
	5 Lindane	2.940	2.940	(1.575)	64384692	0.10000	0.101	
	6 beta-BHC	3.002	3.002	(1.608)	27932426	0.10000	0.0911	
	7 delta-BHC	3.135	3.135	(1.679)	65402587	0.10000	0.102	
	8 Heptachlor	3.300	3.300	(1.768)	65360226	0.10000	0.0965	
	9 Aldrin	3.537	3.537	(1.894)	60803979	0.10000	0.100	
	10 Alachlor	3.647	3.647	(1.953)	8904996	0.10000	0.0806	
	11 Heptachlor Epoxide	4.028	4.028	(2.158)	58980202	0.10000	0.0925	
	12 trans-Chlordane	4.130	4.130	(2.212)	60541455	0.10000	0.0884	
	13 cis-Chlordane	4.235	4.235	(2.268)	58304673	0.10000	0.0950	
	14 4,4'-DDE	4.298	4.298	(2.302)	62227123	0.10000	0.102	
	15 Endosulfan I	4.340	4.340	(2.325)	55034336	0.10000	0.0968	
	16 Dieldrin	4.523	4.523	(2.423)	61724064	0.10000	0.0974	
	17 Endrin	4.697	4.697	(2.516)	58834599	0.10000	0.0966	
	18 4,4'-DDD	4.752	4.752	(2.545)	52855591	0.10000	0.100	
	19 Endosulfan II	4.860	4.860	(2.603)	52502719	0.10000	0.0946	
	20 4,4'-DDT	4.957	4.957	(2.655)	56604631	0.10000	0.0986	
	21 Endrin Aldehyde	5.162	5.162	(2.765)	46114046	0.10000	0.101	
	22 Methoxychlor	5.303	5.303	(2.841)	30956373	0.10000	0.0924	
	23 Endosulfan Sulfate	5.462	5.462	(2.925)	53861037	0.10000	0.0954	
	24 Endrin Ketone	5.650	5.650	(3.026)	65943759	0.10000	0.0941	
\$	25 Decachlorobiphenyl	6.308	6.308	(3.379)	57408486	0.10000	0.0846	

Alpha Analytical Labs

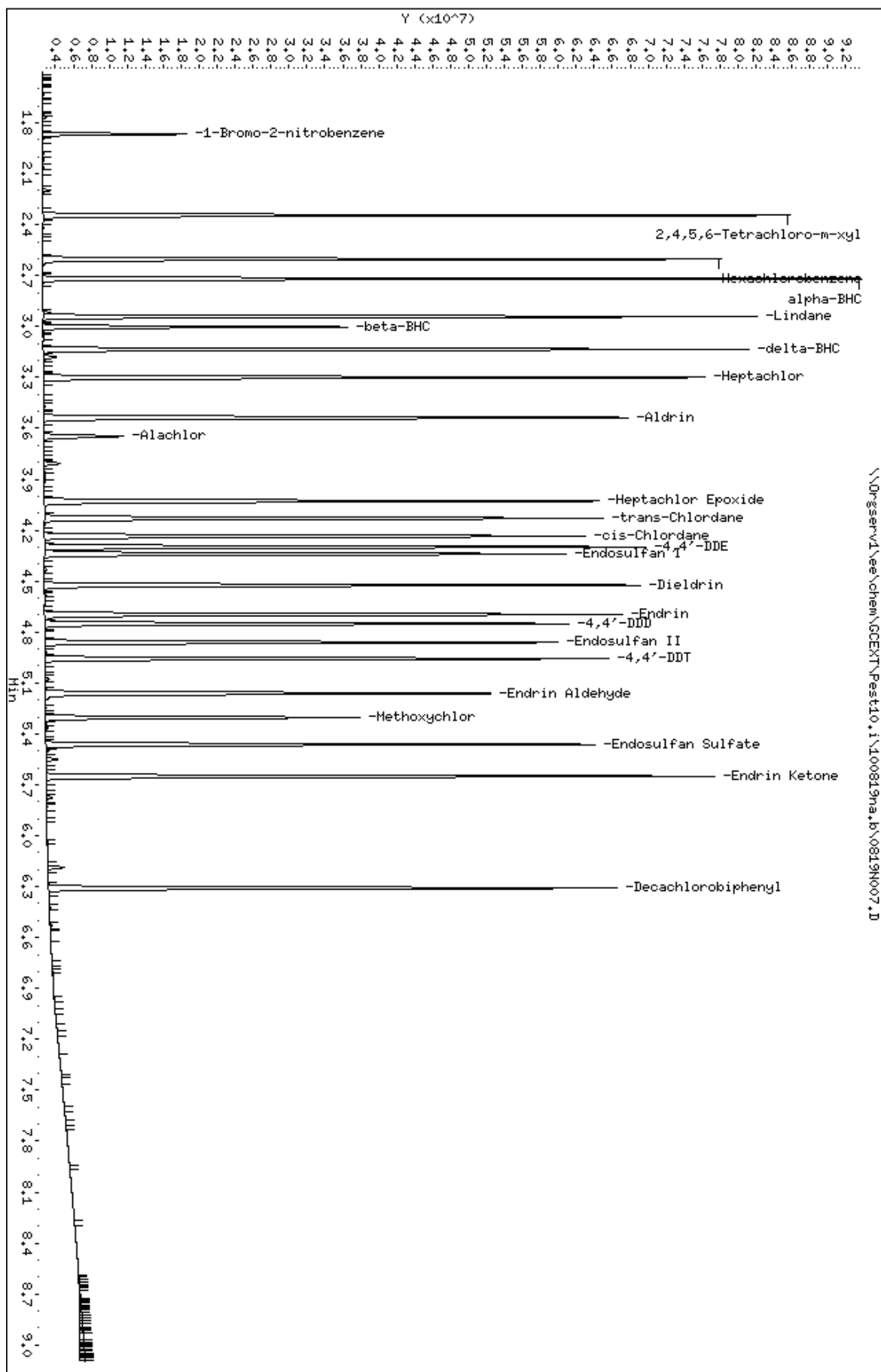
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N007.D Calibration Time: 10:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10980635	5490318	21961270	10618386	-3.30

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.08

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N008.D

Lab Smp Id:

Inj Date : 19-AUG-2010 10:43

Operator : sh

Inst ID: Pest10.i

Smp Info : pest l7 3071

Misc Info : wg423905, wg423871, ICAL5201

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m

Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 10:30

Cal File: 0819N007.D

Als bottle: 8

Calibration Sample, Level: 7

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

Processing Host: KRISTINF

					AMOUNTS		REVIEW CODE
					CAL-AMT	ON-COL	
					(ug/mL)	(ug/mL)	
Compounds	RT	EXP RT	REL RT	RESPONSE			
=====	====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10887809	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.345	2.345	(1.256)	128317015	0.20000	0.188	
3 Hexachlorobenzene	2.603	2.603	(1.395)	122680994	0.20000	0.177	
4 alpha-BHC	2.718	2.718	(1.456)	149612410	0.20000	0.212	
5 Lindane	2.941	2.941	(1.576)	136236080	0.20000	0.208	
6 beta-BHC	3.001	3.001	(1.608)	58048696	0.20000	0.185	
7 delta-BHC	3.135	3.135	(1.679)	139571722	0.20000	0.211	
8 Heptachlor	3.300	3.300	(1.768)	138436738	0.20000	0.199	
9 Aldrin	3.536	3.536	(1.895)	129459505	0.20000	0.208	
10 Alachlor	3.646	3.646	(1.953)	17354187	0.20000	0.153	
11 Heptachlor Epoxide	4.028	4.028	(2.158)	124595752	0.20000	0.190	
12 trans-Chlordane	4.130	4.130	(2.212)	128293910	0.20000	0.182	
13 cis-Chlordane	4.235	4.235	(2.269)	123198420	0.20000	0.196	
14 4,4'-DDE	4.298	4.298	(2.302)	132100015	0.20000	0.211	
15 Endosulfan I	4.340	4.340	(2.325)	115702740	0.20000	0.198	
16 Dieldrin	4.523	4.523	(2.423)	131495079	0.20000	0.202	
17 Endrin	4.696	4.696	(2.516)	124963643	0.20000	0.200	
18 4,4'-DDD	4.751	4.751	(2.545)	111891152	0.20000	0.207	
19 Endosulfan II	4.861	4.861	(2.604)	110862714	0.20000	0.195	
20 4,4'-DDT	4.956	4.956	(2.655)	120800450	0.20000	0.205	
21 Endrin Aldehyde	5.161	5.161	(2.765)	97814251	0.20000	0.209	
22 Methoxychlor	5.303	5.303	(2.841)	63617832	0.20000	0.185	
23 Endosulfan Sulfate	5.461	5.461	(2.926)	113767033	0.20000	0.196	
24 Endrin Ketone	5.650	5.650	(3.026)	138392149	0.20000	0.192	
\$ 25 Decachlorobiphenyl	6.308	6.308	(3.379)	118725450	0.20000	0.171	

Alpha Analytical Labs

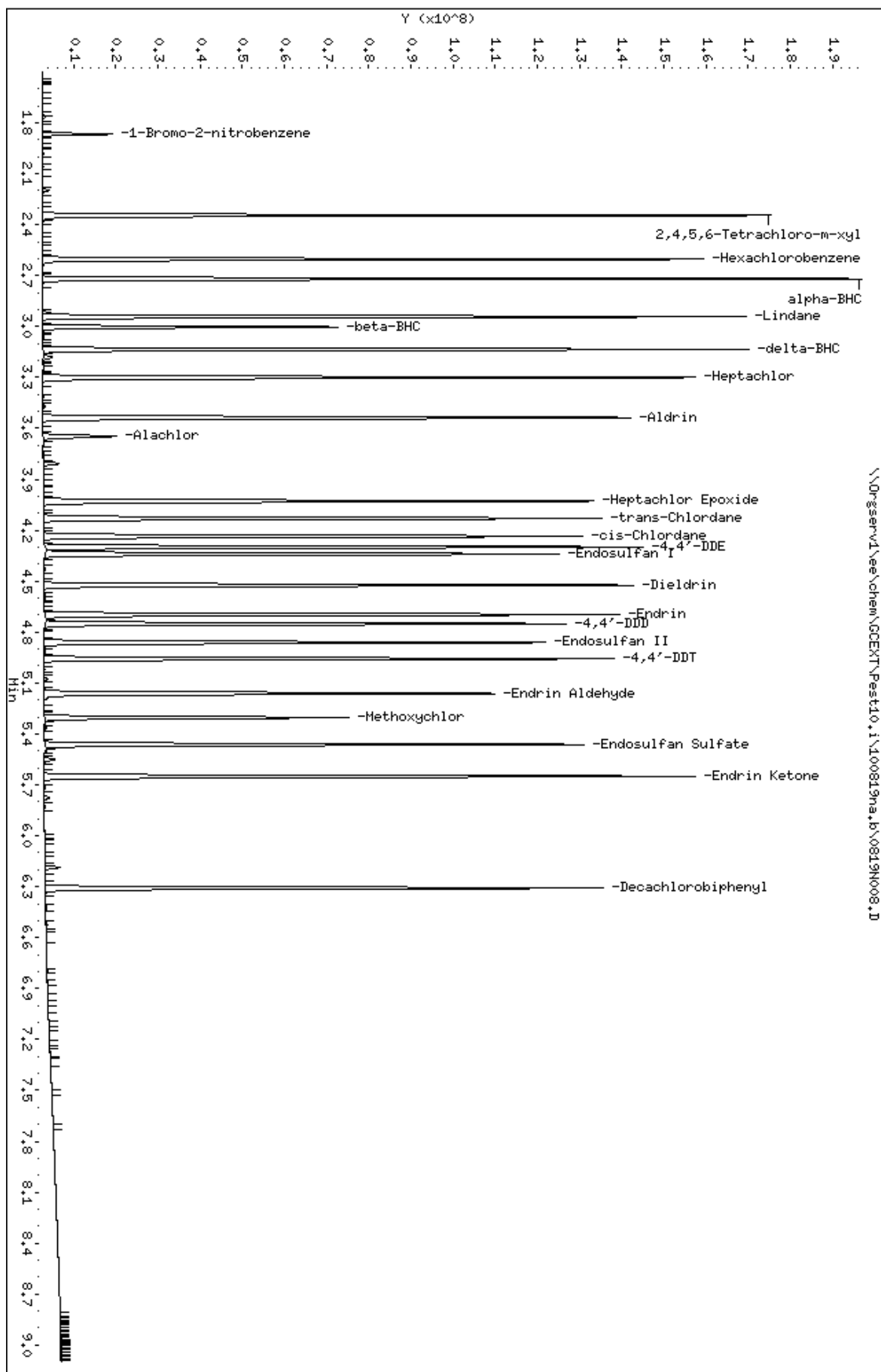
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N008.D Calibration Time: 10:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10980635	5490318	21961270	10887809	-0.85

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.06

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N009.D
Lab Smp Id:
Inj Date : 19-AUG-2010 10:56
Operator : sh Inst ID: Pest10.i
Smp Info : chlor l1 3027
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:05 Cal File: 0819N005.D
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlorical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10724436	0.02500		
26 Chlordane	3.237	3.237	(1.735)	111816	0.00500	0.00540(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N009.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

Calibration Date: 19-AUG-2010
Calibration Time: 09:39
Level:
Sample Type:

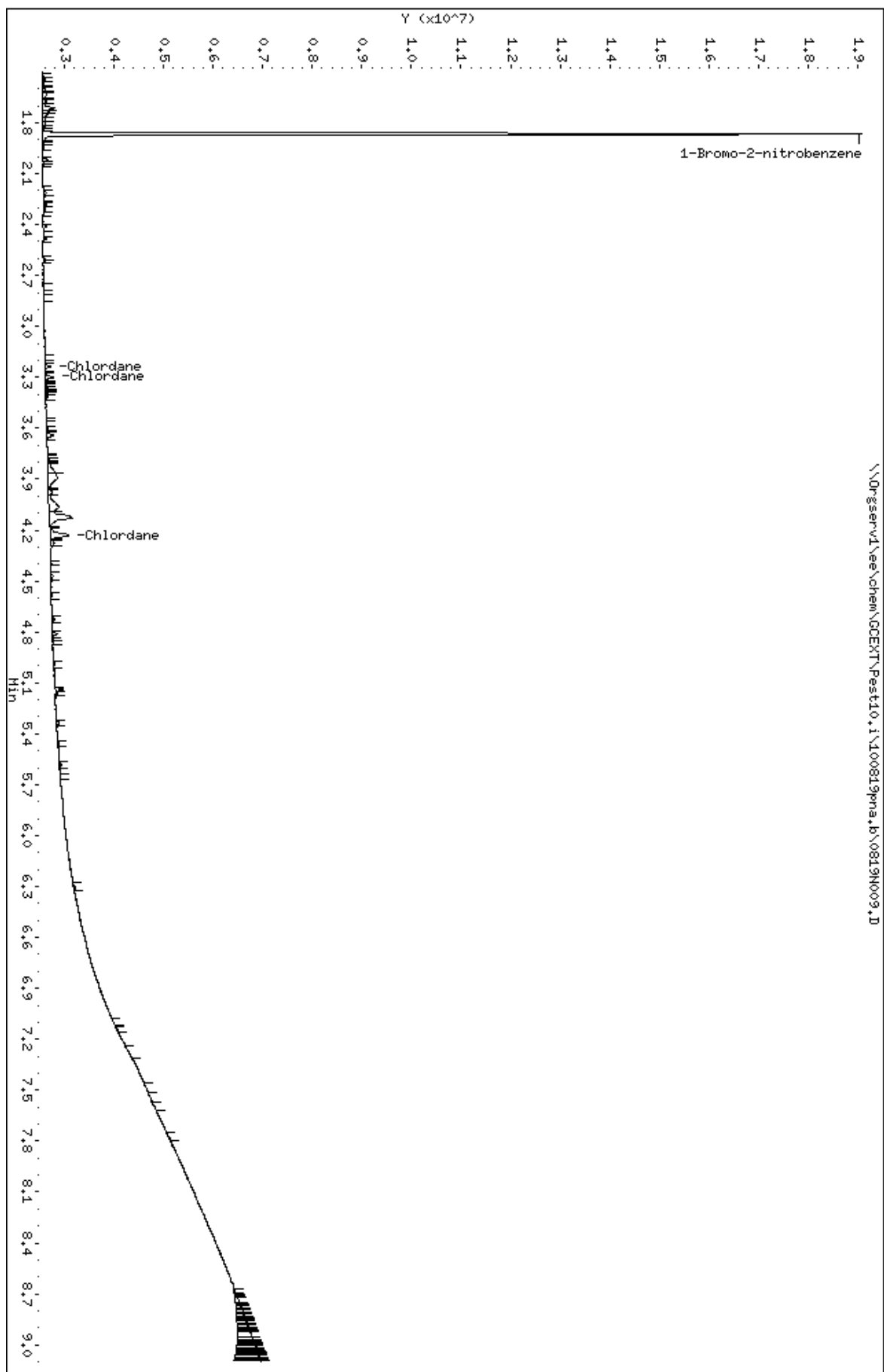
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	9697616	4848808	19395232	10724436	10.59

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drsgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N009.D
Date : 19-AUG-2010 10:56
Client ID:
Sample Info: chlor 11 3027
Column phase: Rtx-CLP

Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N009.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 10:56
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor l1 3027
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 9 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10724436	0.02500		
26 Chlordane	3.237	3.237	(1.735)	111816	0.00500	0.00540(M)	M4

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

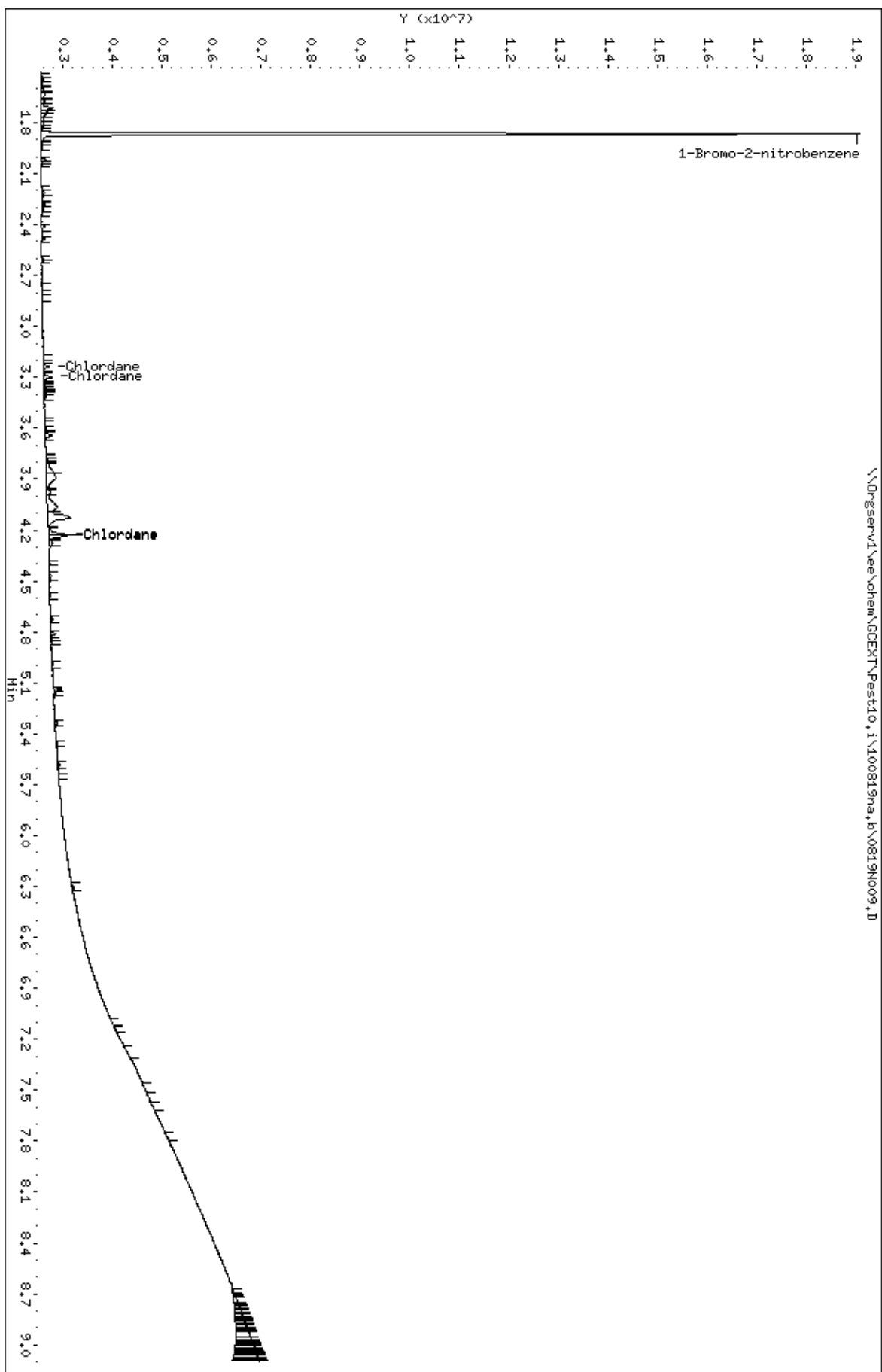
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N009.D Calibration Time: 10:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10980635	5490318	21961270	10724436	-2.33

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819na,b\0819N009.D
Date : 19-AUG-2010 10:56
Client ID:
Sample Info: chlor 11 3027
Column phase: Rtx-CLP
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N010.D
Lab Smp Id:
Inj Date : 19-AUG-2010 11:09
Operator : sh Inst ID: Pest10.i
Smp Info : chlor l2 3028
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 09:26 Cal File: 0819N002.D
Als bottle: 10 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlorical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10745379	0.02500		
26 Chlordane	3.238	3.238	(1.735)	211202	0.01000	0.0102(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N010.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

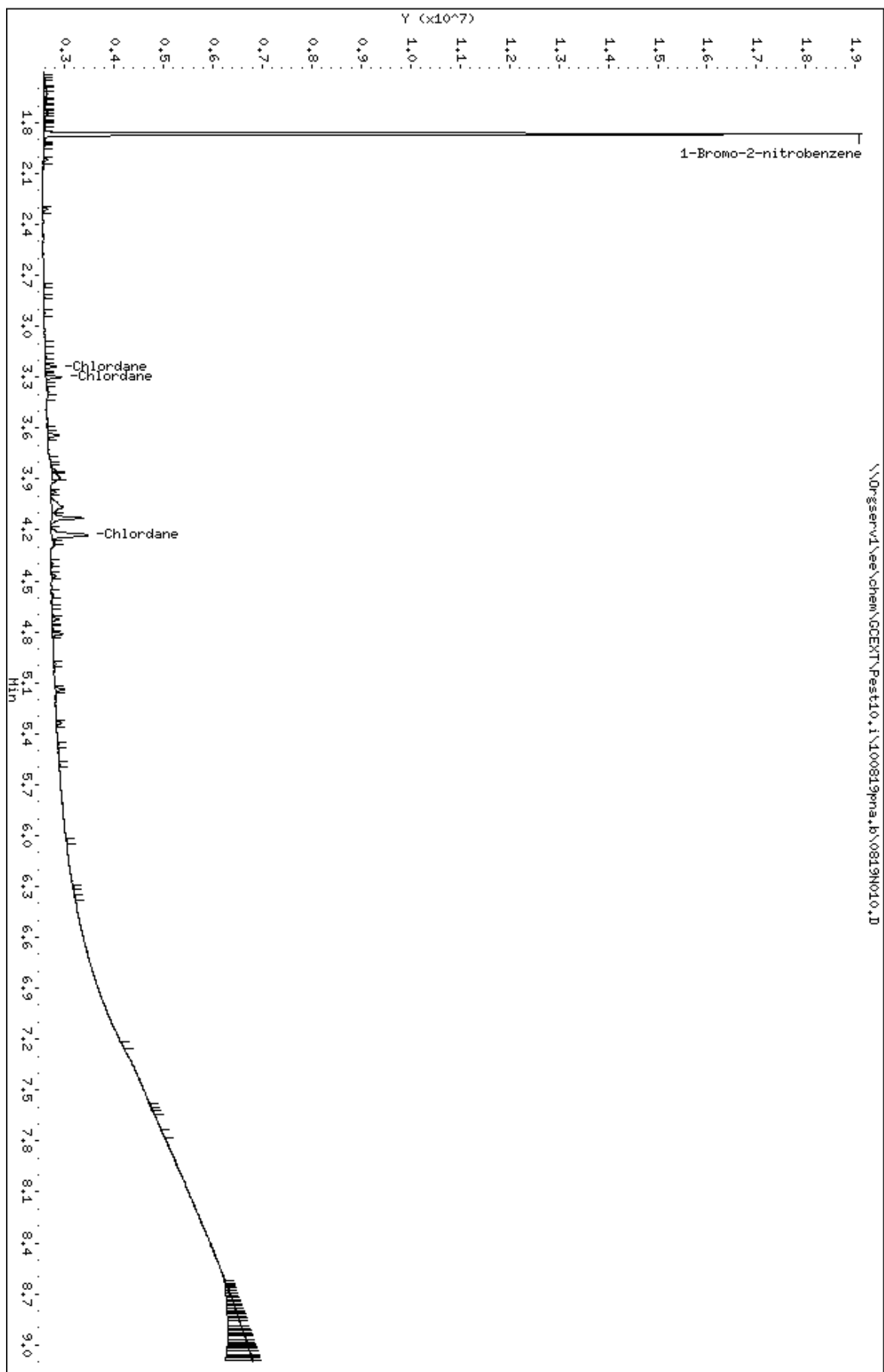
Calibration Date: 19-AUG-2010
Calibration Time: 09:39
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	9697616	4848808	19395232	10745379	10.80

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drsgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N010.D
Date : 19-AUG-2010 11:09
Client ID:
Sample Info: chlor 12 3028
Column phase: Rtx-CLP
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N010.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 11:09
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor l2 3028
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 09:26 Cal File: 0819N002.D
 Als bottle: 10 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10745379	0.02500		
26 Chlordane	3.238	3.238	(1.735)	211202	0.01000	0.0102(M)	M4

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N010.D Calibration Time: 10:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10980635	5490318	21961270	10745379	-2.14

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.04

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819na,b\0819N010.D

Date : 19-AUG-2010 11:09

Client ID:

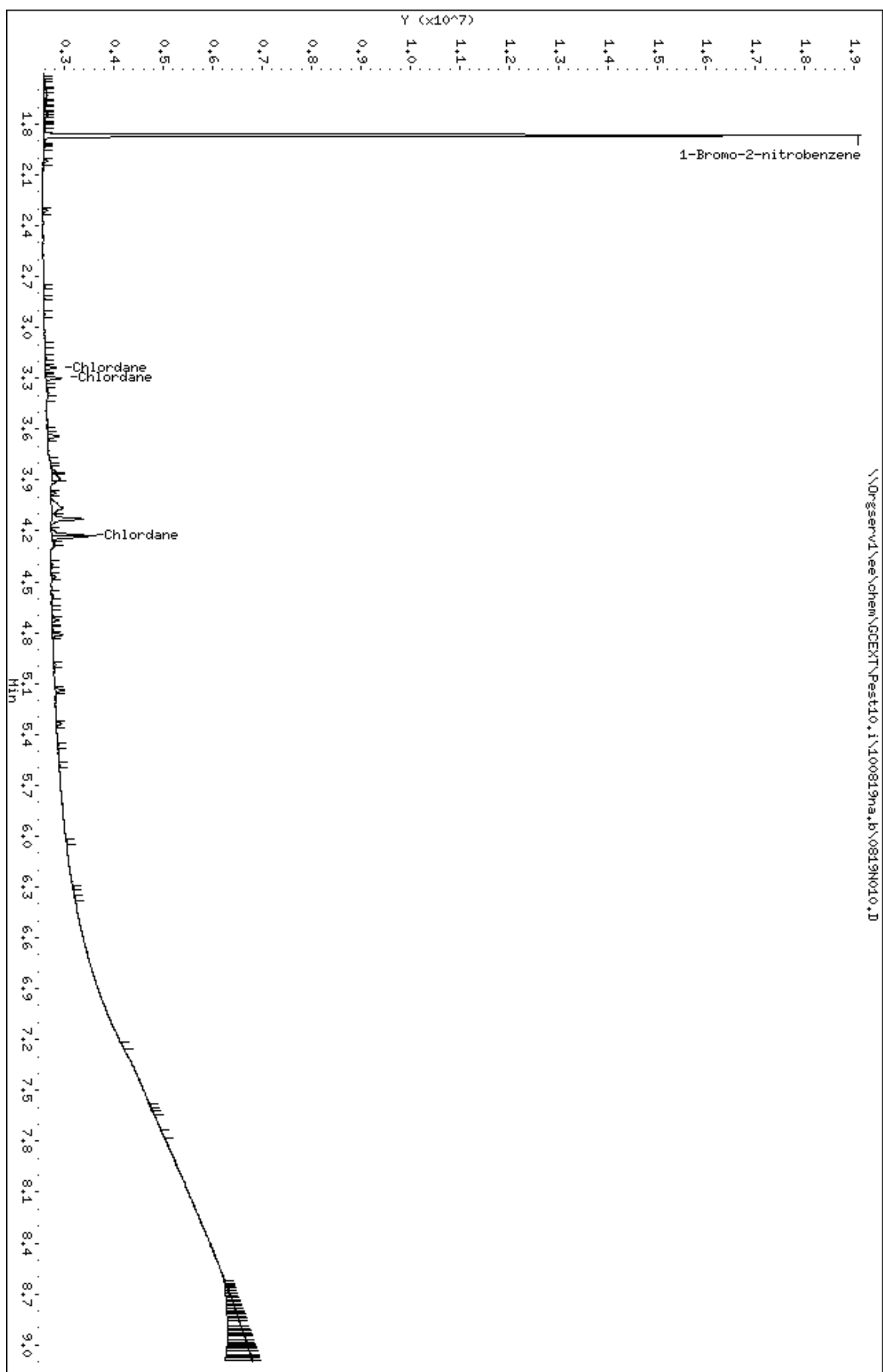
Sample Info: chlor 12 3028

Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N011.D
Lab Smp Id:
Inj Date : 19-AUG-2010 11:21
Operator : sh Inst ID: Pest10.i
Smp Info : chlor l3 3029
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 09:39 Cal File: 0819N003.D
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlorical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10636721	0.02500		
26 Chlordane	3.236	3.236	(1.734)	1013693	0.05000	0.0494(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N011.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

Calibration Date: 19-AUG-2010
Calibration Time: 09:39
Level:
Sample Type:

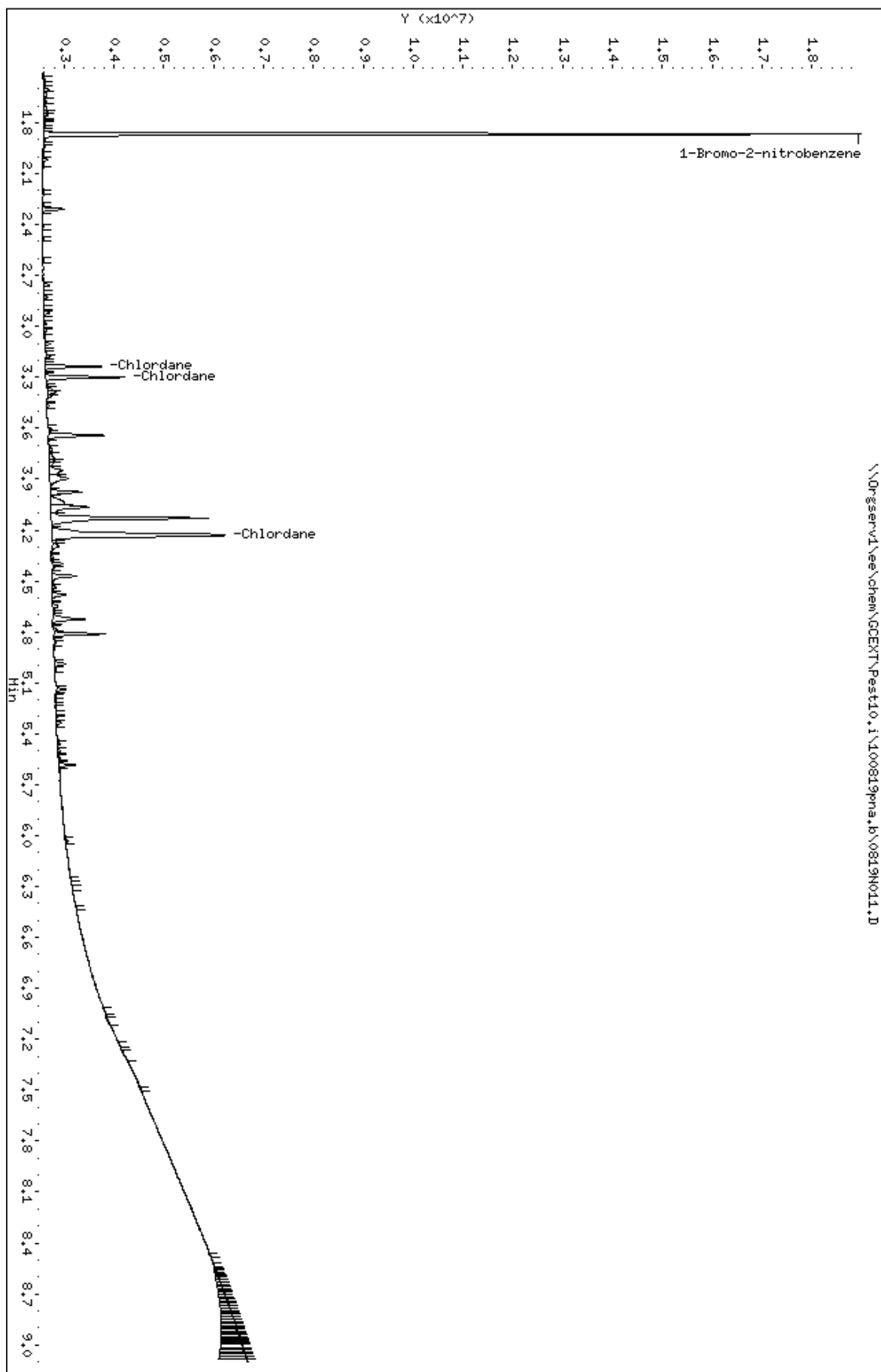
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	9697616	4848808	19395232	10636721	9.68

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N011.D
Date : 19-AUG-2010 11:21
Client ID:
Sample Info: chlor 13 3029
Column phase: Rtx-CLP

Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N011.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 11:21
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor l3 3029
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 09:39 Cal File: 0819N003.D
 Als bottle: 11 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10636721	0.02500		
26 Chlordane	3.236	3.236	(1.734)	1013693	0.05000	0.0494(M)	M4

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

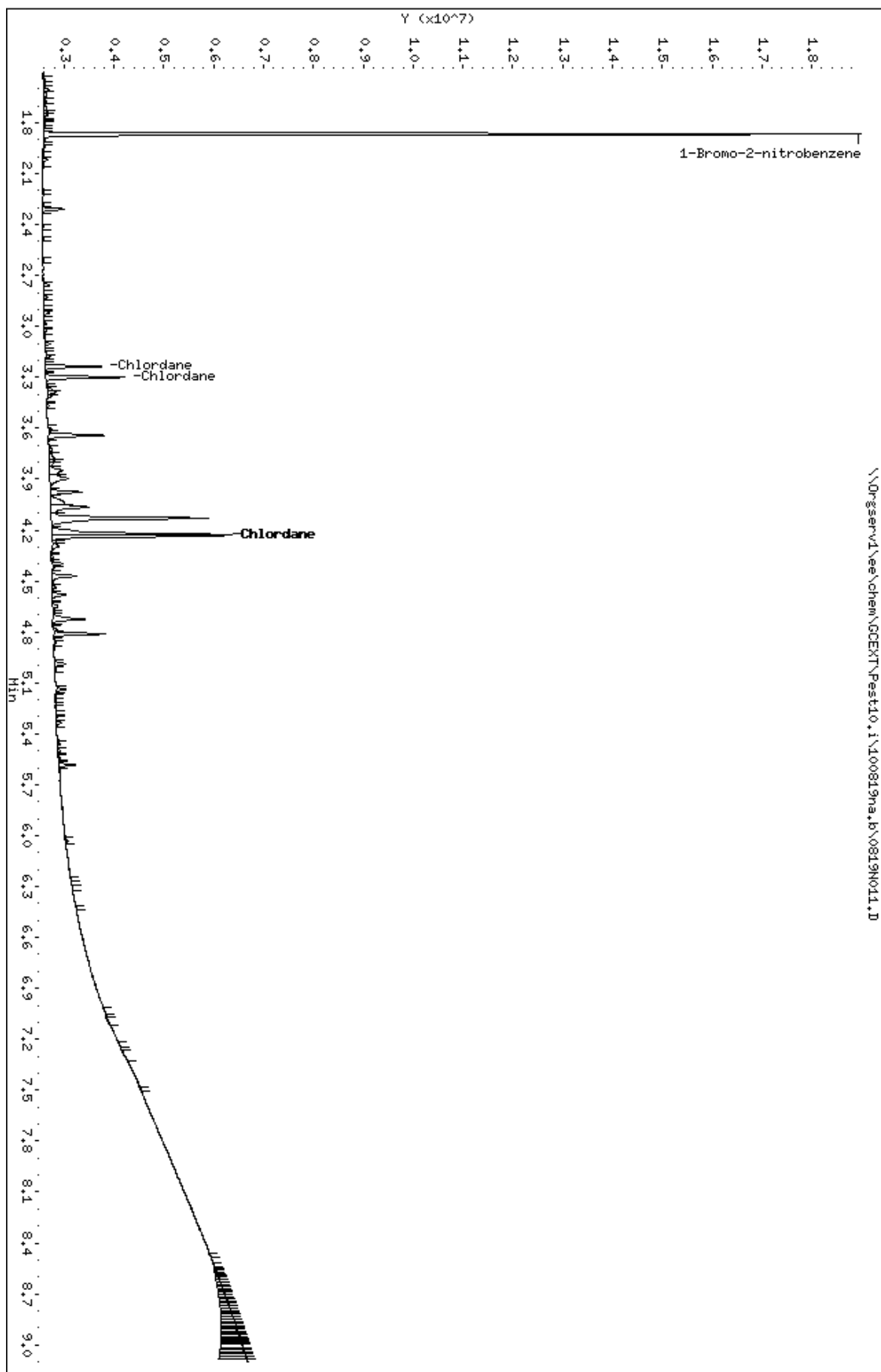
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N011.D Calibration Time: 10:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10980635	5490318	21961270	10636721	-3.13

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\rd\ee\chem\GC\EXT\Pest10.i\100819na,b\0819N014.D
Date : 19-AUG-2010 11:21
Client ID:
Sample Info: chlor 13 3029
Column phase: Rtx-CLP
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N012.D
Lab Smp Id:
Inj Date : 19-AUG-2010 11:34
Operator : sh Inst ID: Pest10.i
Smp Info : chlor l4 3030
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 09:52 Cal File: 0819N004.D
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlorical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10584511	0.02500		
26 Chlordane	3.237	3.237	(1.735)	2027988	0.10000	0.0993(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N012.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

Calibration Date: 19-AUG-2010
Calibration Time: 09:39
Level:
Sample Type:

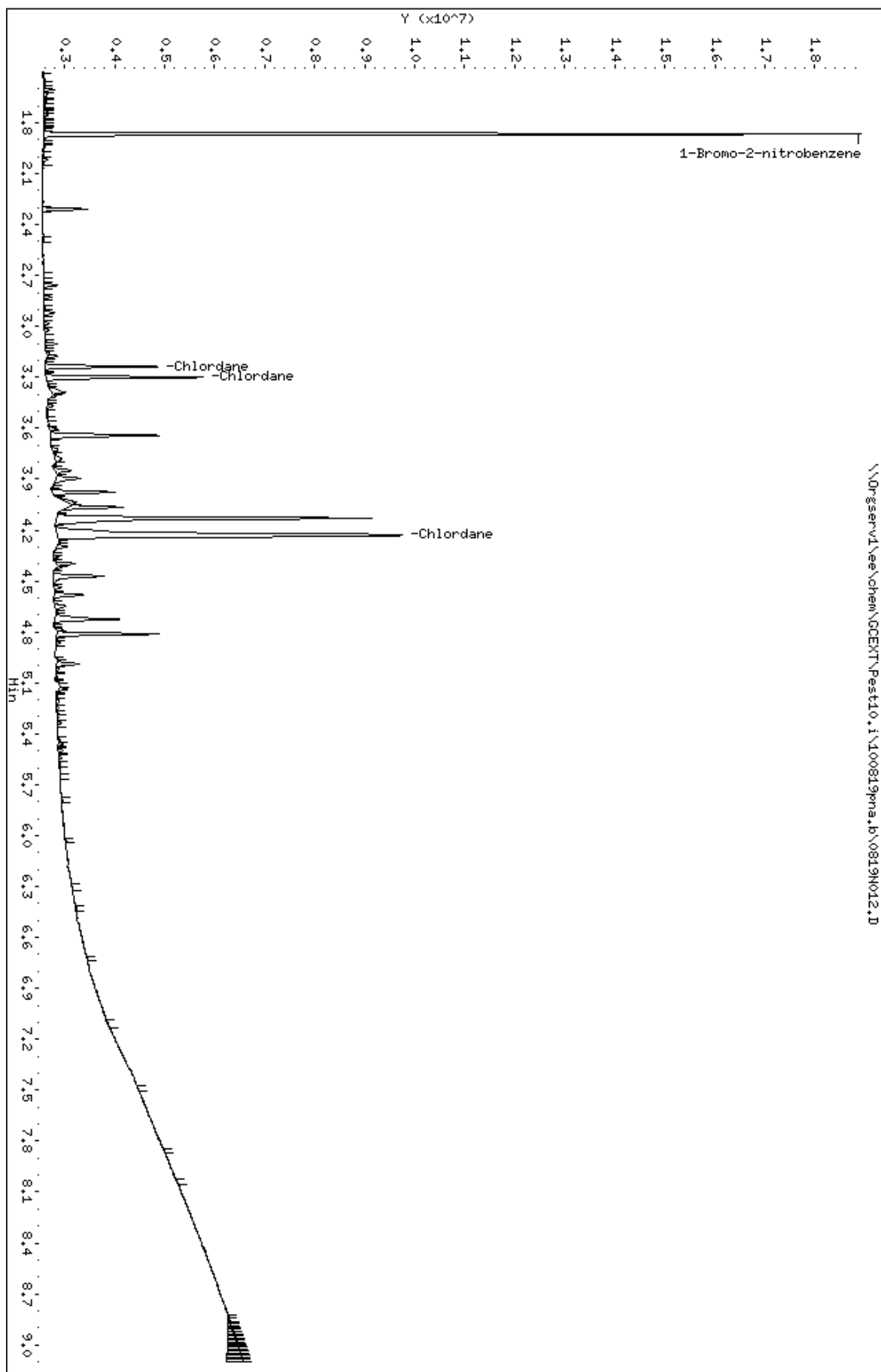
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	9697616	4848808	19395232	10584511	9.15

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drsgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N012.D
Date : 19-AUG-2010 11:34
Client ID:
Sample Info: chlor 14 3030
Column phase: Rtx-CLP

Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N012.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 11:34
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor l4 3030
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 09:52 Cal File: 0819N004.D
 Als bottle: 12 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10584511	0.02500		
26 Chlordane	3.237	3.237	(1.735)	2027988	0.10000	0.0993(MH)	M3

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N012.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

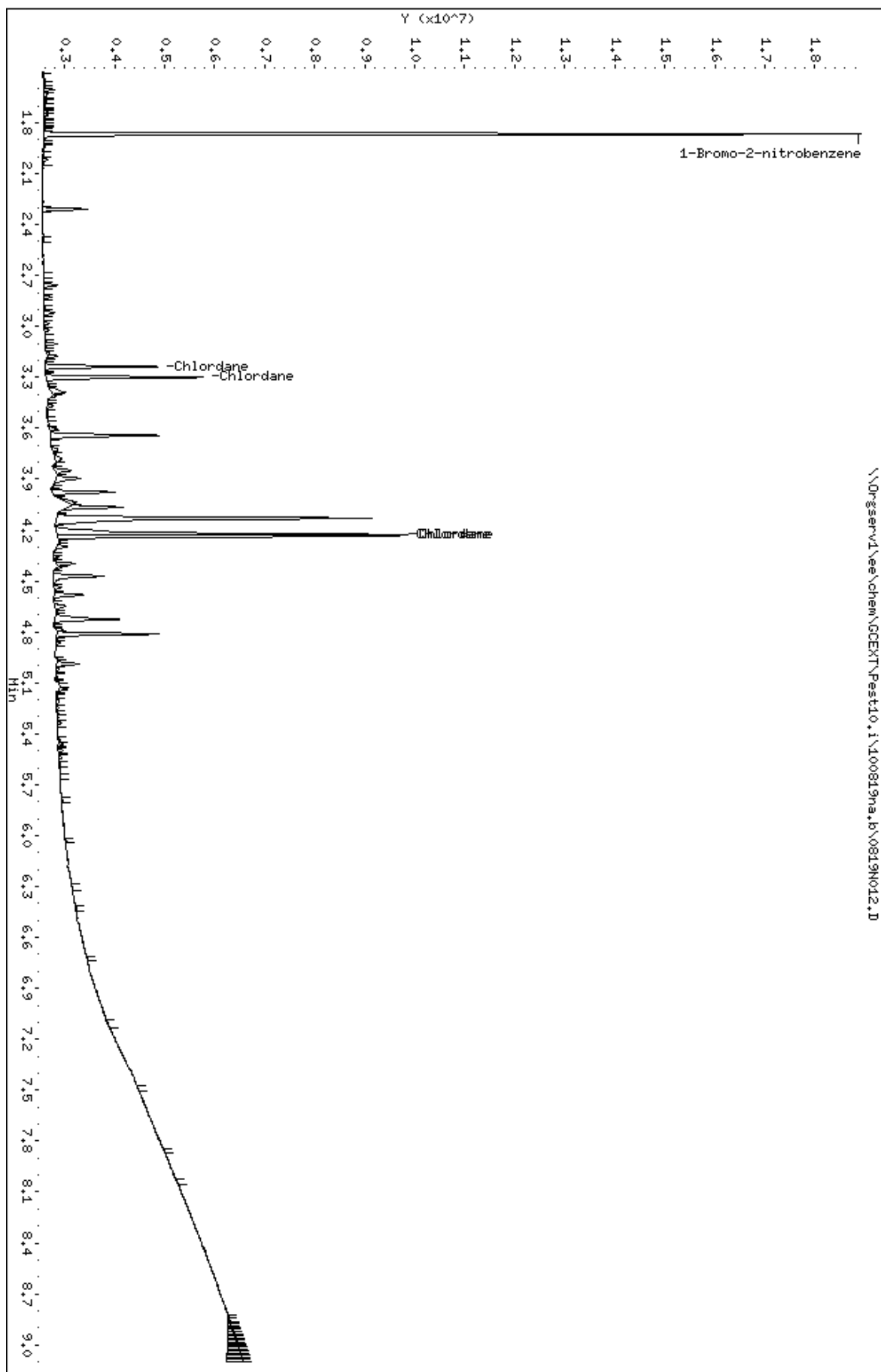
Calibration Date: 19-AUG-2010
Calibration Time: 10:17
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10980635	5490318	21961270	10584511	-3.61

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819na,b\0819N012.D
 Date : 19-AUG-2010 11:34
 Client ID:
 Sample Info: chlor 14 3030
 Column phase: RtX-CLP
 Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N013.D
Lab Smp Id:
Inj Date : 19-AUG-2010 11:47
Operator : sh Inst ID: Pest10.i
Smp Info : chlor l5 3031
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:05 Cal File: 0819N005.D
Als bottle: 13 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlorical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.867	1.867	(1.000)	11082070	0.02500		
26 Chlordane	3.237	3.237	(1.733)	10303276	0.50000	0.482(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N013.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

Calibration Date: 19-AUG-2010
Calibration Time: 11:47
Level:
Sample Type:

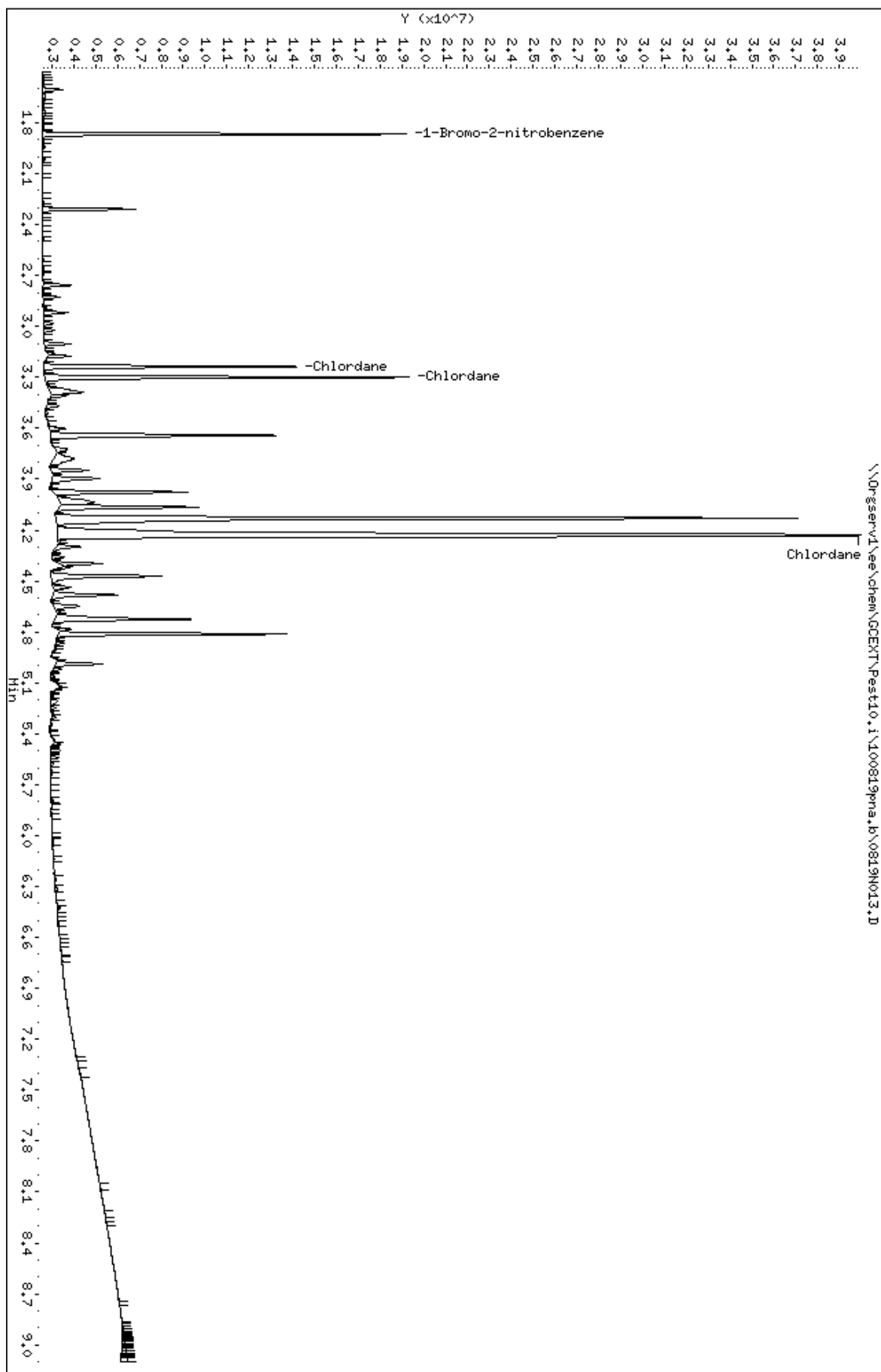
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11082070	5541035	22164140	11082070	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N013.D
 Date : 19-AUG-2010 11:47
 Client ID:
 Sample Info: chlor 15 3034
 Column phase: Rtx-CLP

Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N013.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 11:47
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor l5 3031
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:05 Cal File: 0819N005.D
 Als bottle: 13 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.867	1.867	(1.000)	11082070	0.02500		
26 Chlordane	3.237	3.237	(1.733)	10303276	0.50000	0.482(M)	M3

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N013.D Calibration Time: 11:47
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11082070	5541035	22164140	11082070	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\serv1\ee\chem\GC\EXT\Pest10.i\100819na,b\0819N013.D

Date : 19-AUG-2010 11:47

Client ID:

Sample Info: chlor 15 3034

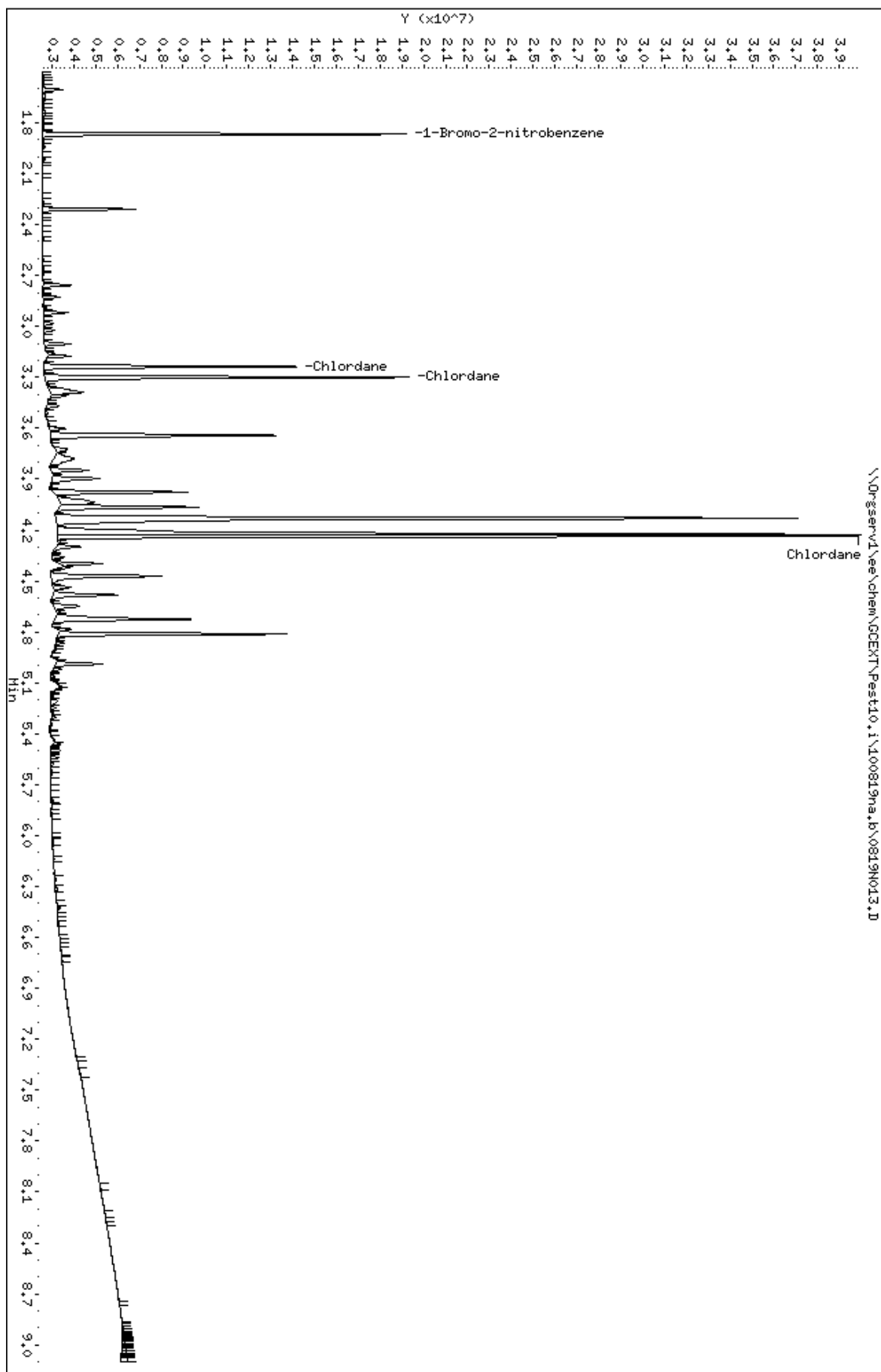
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

Page 3



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N014.D
Lab Smp Id:
Inj Date : 19-AUG-2010 12:00
Operator : sh Inst ID: Pest10.i
Smp Info : chlor l6 3032
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:17 Cal File: 0819N006.D
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlorical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.867	1.867	(1.000)	11047921	0.02500		
26 Chlordane	3.237	3.237	(1.734)	20693705	1.00000	0.970(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N014.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

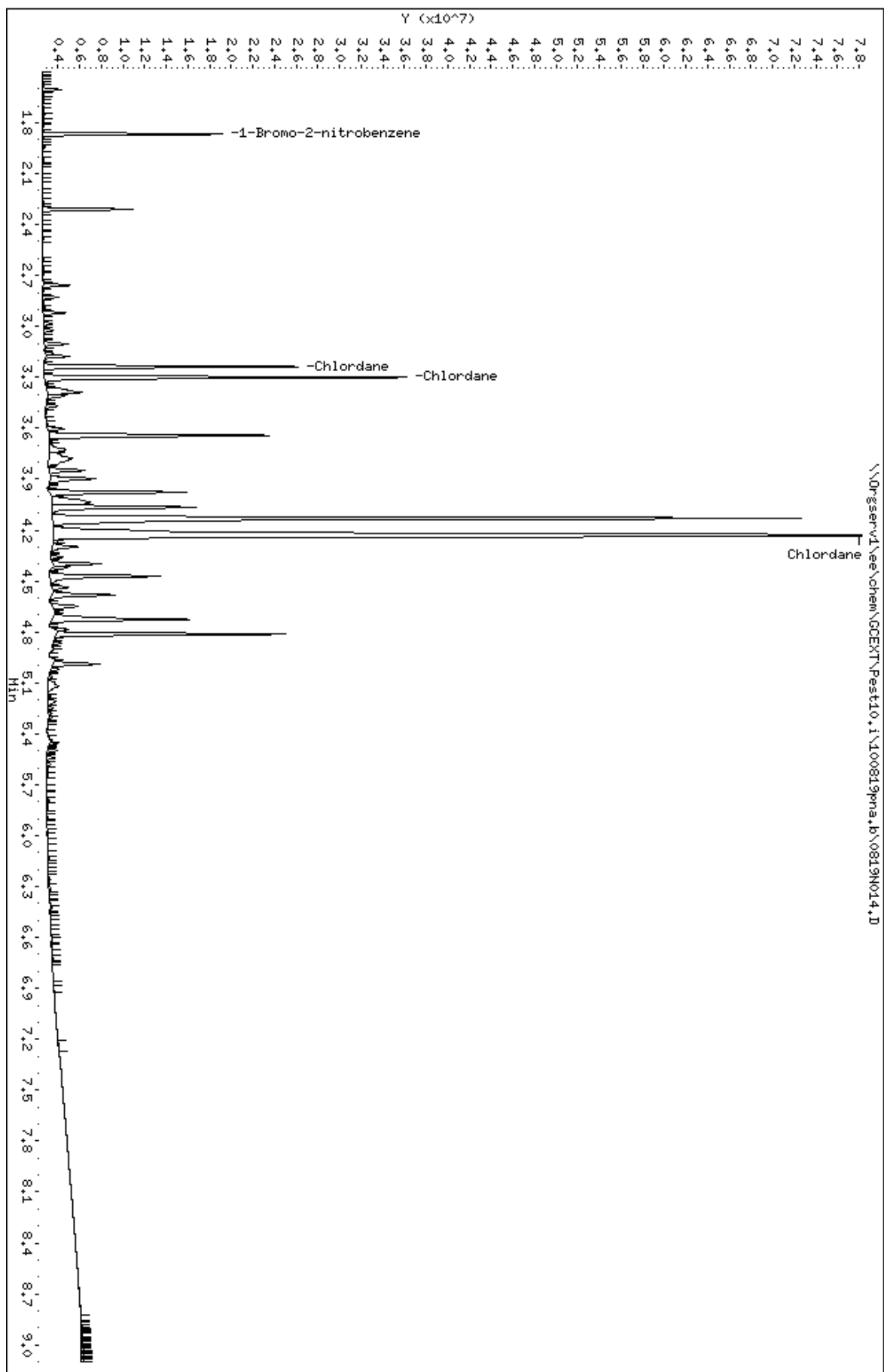
Calibration Date: 19-AUG-2010
Calibration Time: 11:47
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11082070	5541035	22164140	11047921	-0.31

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N014.D
Date: 19-AUG-2010 12:00
Client ID:
Sample Info: chlor 16 3032
Column phase: Rtx-CLP
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N014.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 12:00
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor l6 3032
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:17 Cal File: 0819N006.D
 Als bottle: 14 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.867	1.867	(1.000)	11047921	0.02500		
26 Chlordane	3.237	3.237	(1.734)	20693705	1.00000	0.970(M)	M3

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

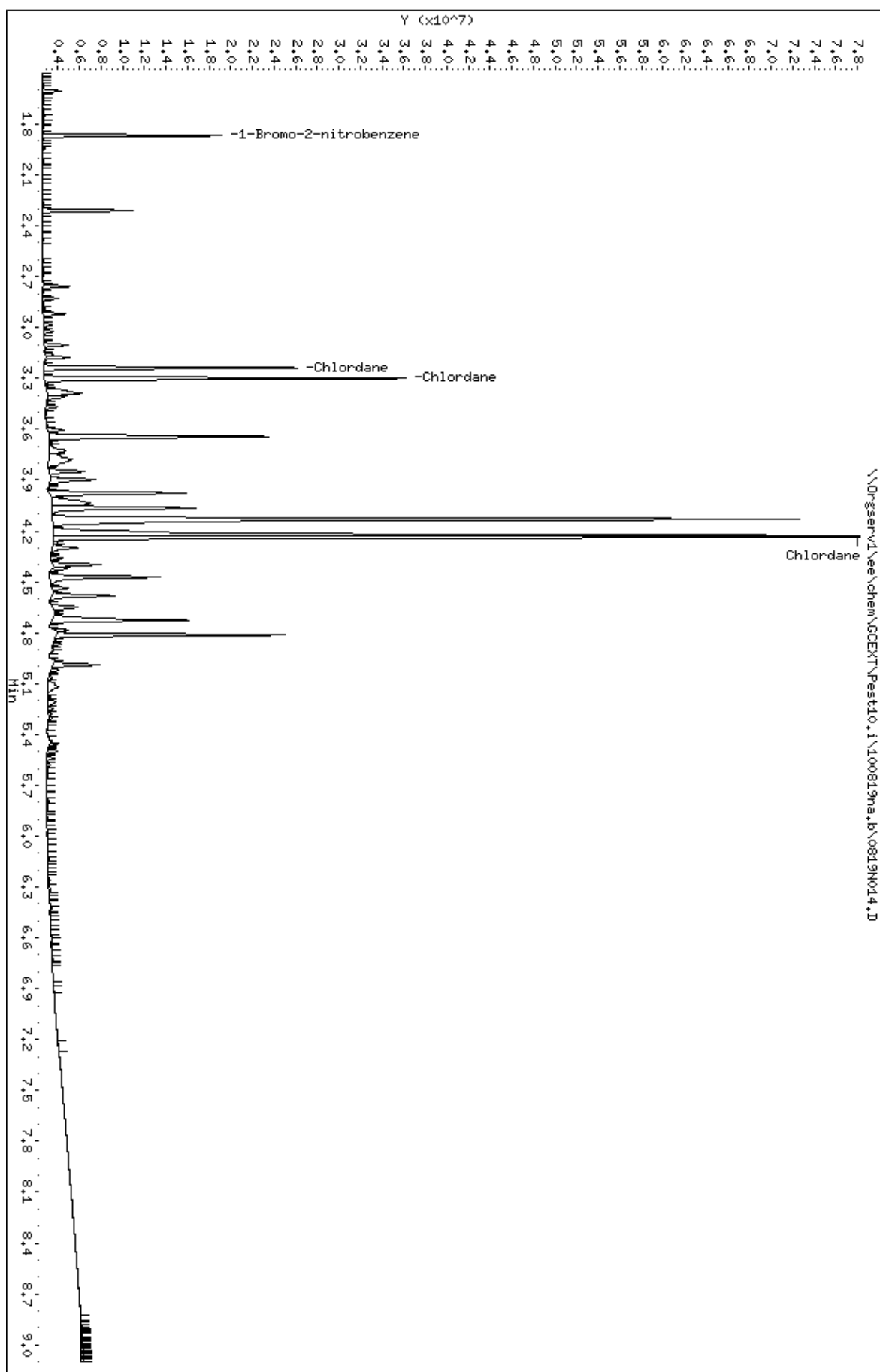
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N014.D Calibration Time: 11:47
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11082070	5541035	22164140	11047921	-0.31

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\serv1\ee\chem\GC\EXT\Pest10.i\100819na,b\0819N014.D
 Date : 19-AUG-2010 12:00
 Client ID:
 Sample Info: chlor 16 3032
 Column phase: Rtx-CLP
 Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N015.D
Lab Smp Id:
Inj Date : 19-AUG-2010 12:13
Operator : sh Inst ID: Pest10.i
Smp Info : chlor l7 3033
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:30 Cal File: 0819N007.D
Als bottle: 15 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlorical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	11053534	0.02500		
26 Chlordane	3.237	3.237	(1.735)	42092846	2.00000	1.97(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N015.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

Calibration Date: 19-AUG-2010
Calibration Time: 11:47
Level:
Sample Type:

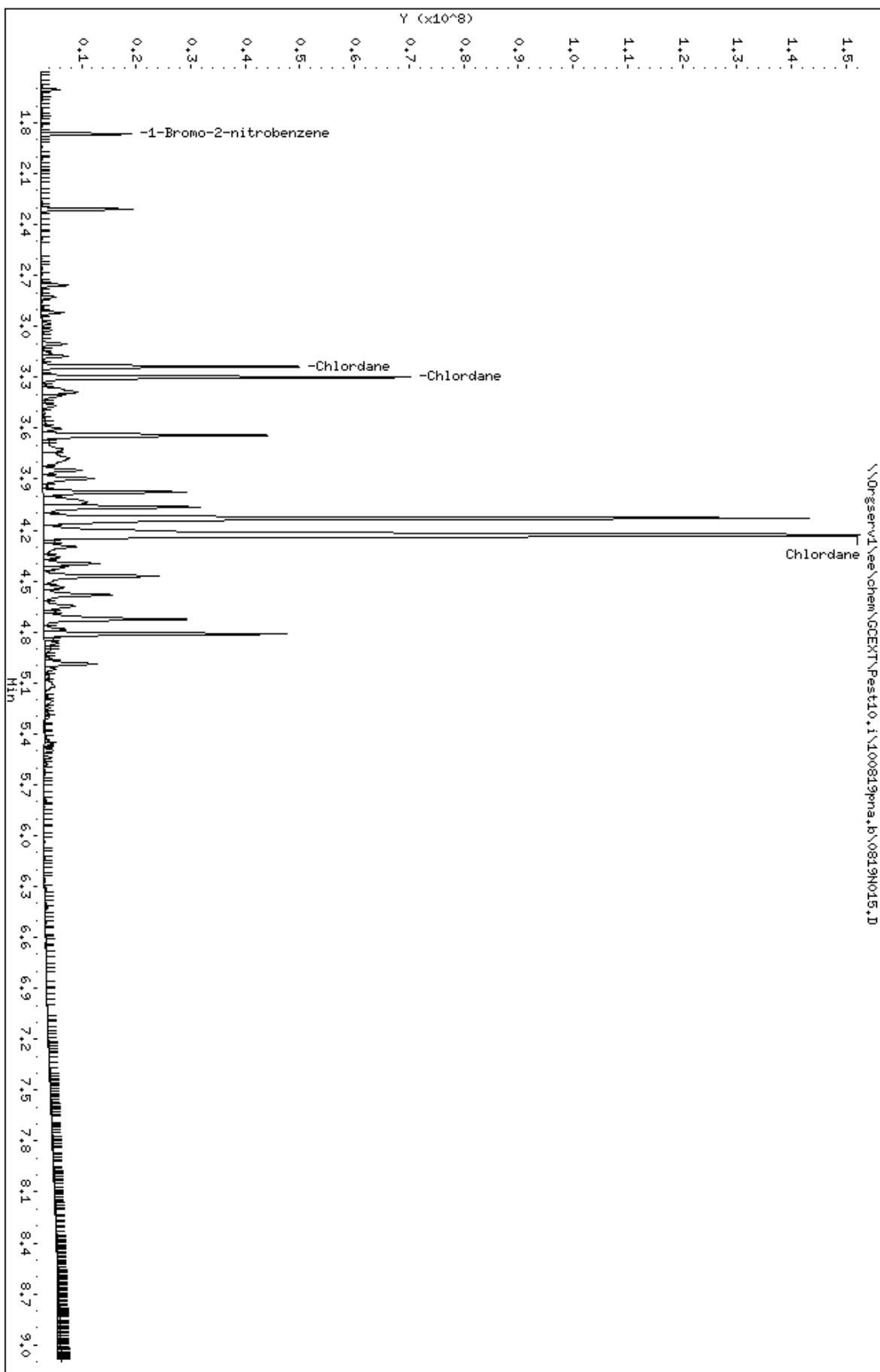
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11082070	5541035	22164140	11053534	-0.26

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.09

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N015.D
 Date : 19-AUG-2010 12:13
 Client ID:
 Sample Info: chlor 17 3033
 Column phase: Rtx-CLP

Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N015.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 12:13
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor l7 3033
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:30 Cal File: 0819N007.D
 Als bottle: 15 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	11053534	0.02500		
26 Chlordane	3.237	3.237	(1.735)	42092846	2.00000	1.97(M)	M3

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N015.D Calibration Time: 11:47
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

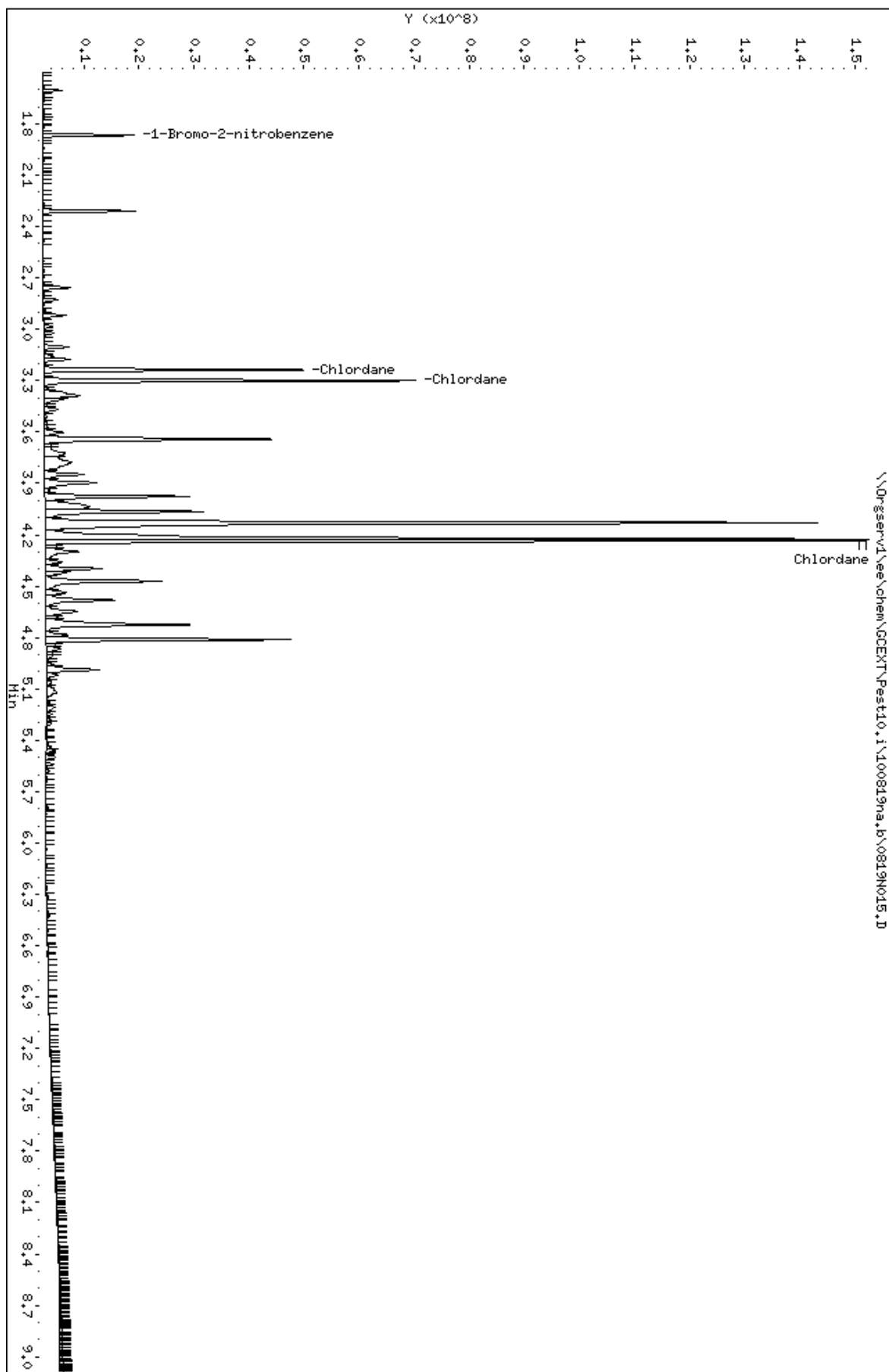
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11082070	5541035	22164140	11053534	-0.26

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.09

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\serv1\ee\chem\GC\EXT\Pest10.i\100819na,b\0819N015.D
Date : 19-AUG-2010 12:13
Client ID:
Sample Info: chlor 17 3033
Column phase: Rtx-CLP

Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N016.D
Lab Smp Id:
Inj Date : 19-AUG-2010 12:26
Operator : sh
Smp Info : tox l1 3034
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i
Cal Date : 19-AUG-2010 10:43
Als bottle: 16
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.12
Processing Host: KRISTINF

Inst ID: Pest10.i

Quant Type: ISTD
Cal File: 0819N008.D

Calibration Sample, Level: 1

Compound Sublist: toxical.sub

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.867	1.867	(1.000)	11626191	0.02500		
27 Toxaphene	4.594	4.594	(2.460)	41987	0.00500	0.0289	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N016.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

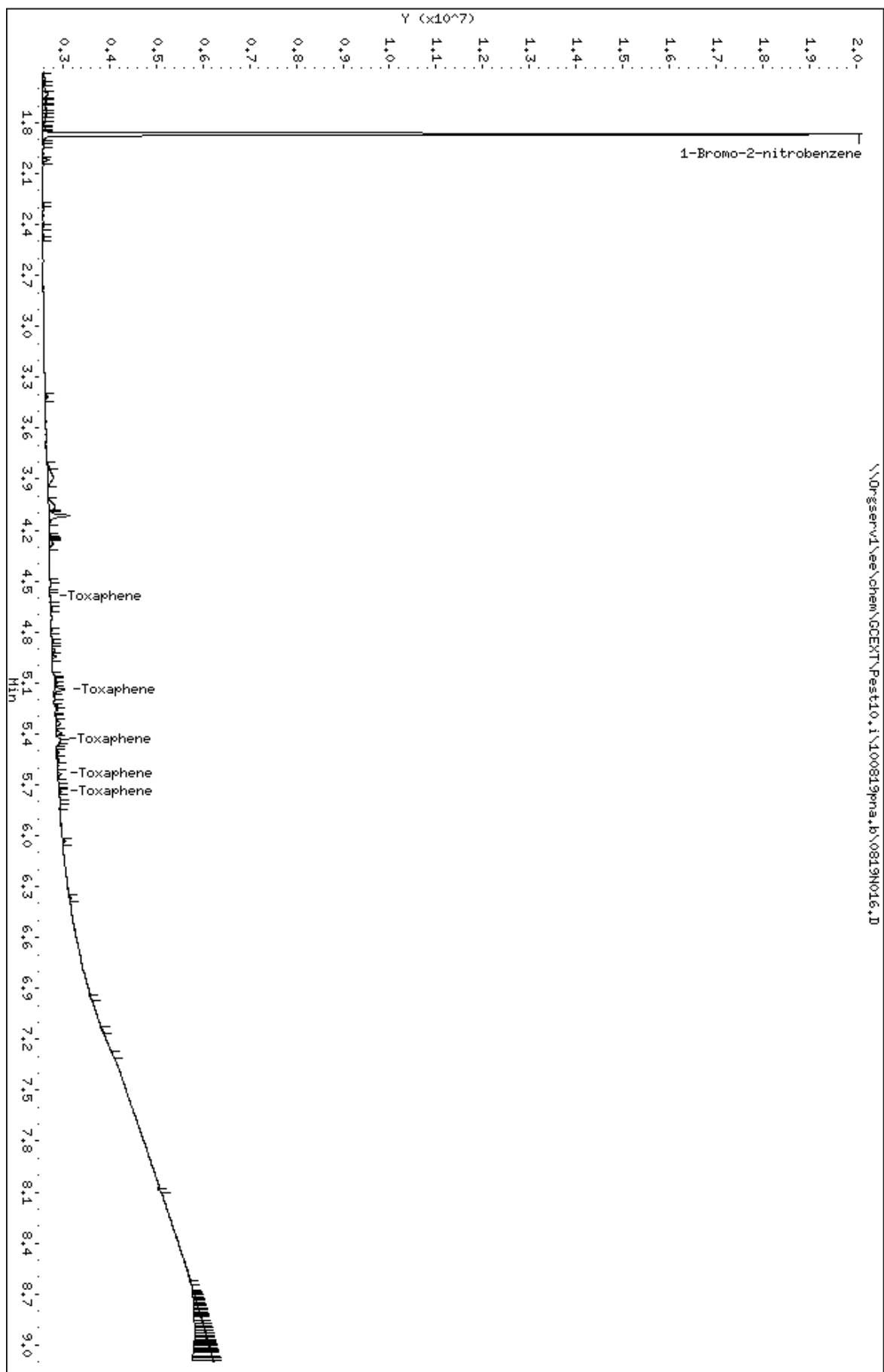
Calibration Date: 19-AUG-2010
Calibration Time: 11:47
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11082070	5541035	22164140	11626191	4.91

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N016.D
Date : 19-AUG-2010 12:26
Client ID:
Sample Info: tox 11 3034
Column phase: Rtx-CLP
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N016.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 12:26
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox l1 3034
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 16 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.867	1.867	(1.000)	11626191	0.02500		
27 Toxaphene	4.594	4.594	(2.460)	47747	0.00500	0.0102(M)	M4

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N016.D Calibration Time: 11:47
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

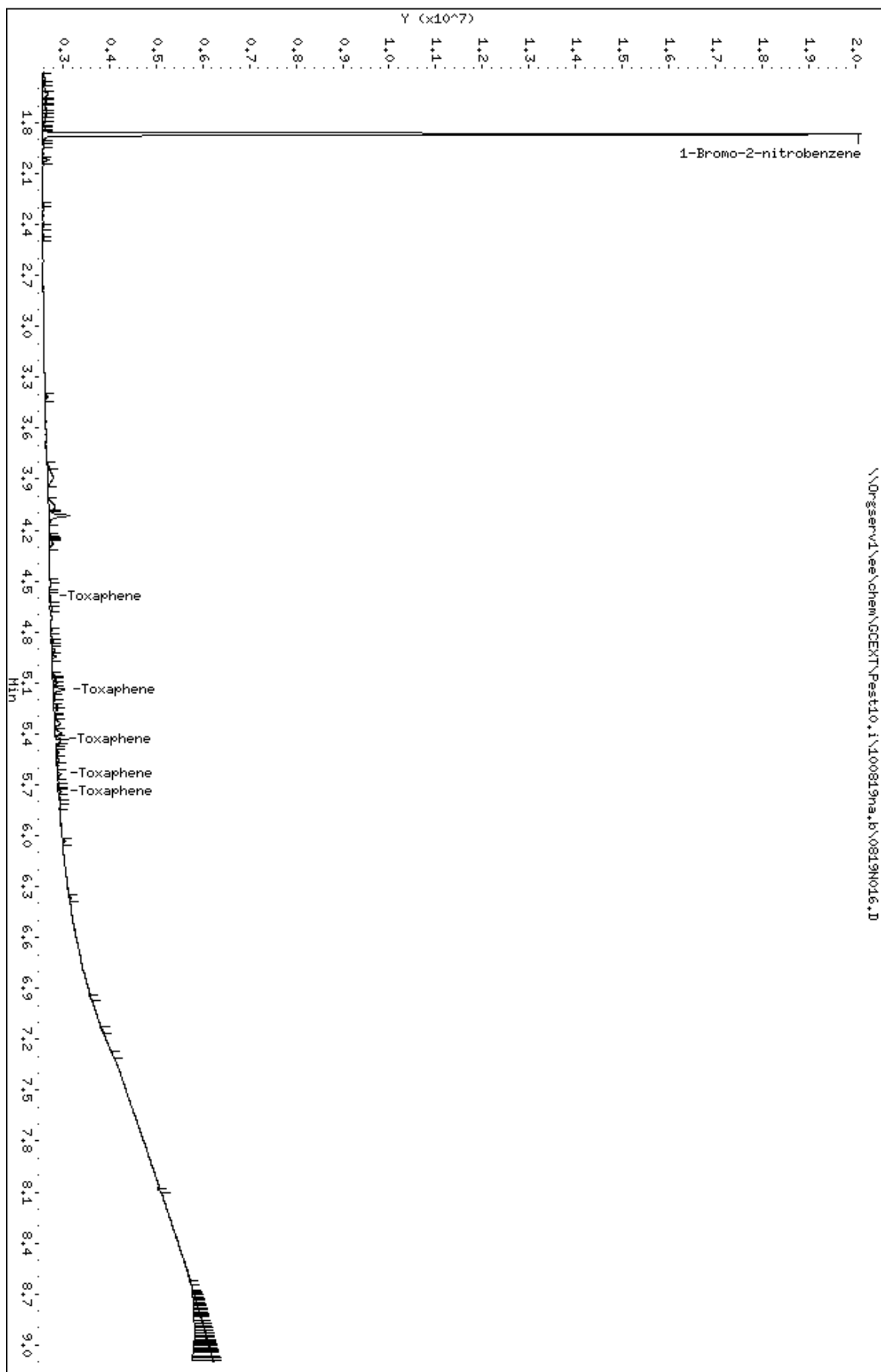
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11082070	5541035	22164140	11626191	4.91

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na,b\0819N016.D
 Date : 19-AUG-2010 12:26
 Client ID:
 Sample Info: tox 11 3034
 Column phase: Rtx-CLP

Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N017.D
Lab Smp Id:
Inj Date : 19-AUG-2010 12:39
Operator : sh Inst ID: Pest10.i
Smp Info : tox l2 3035
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 09:26 Cal File: 0819N002.D
Als bottle: 17 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	11270596	0.02500		
27 Toxaphene	4.594	4.594	(2.462)	76832	0.01000	0.0327	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N017.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

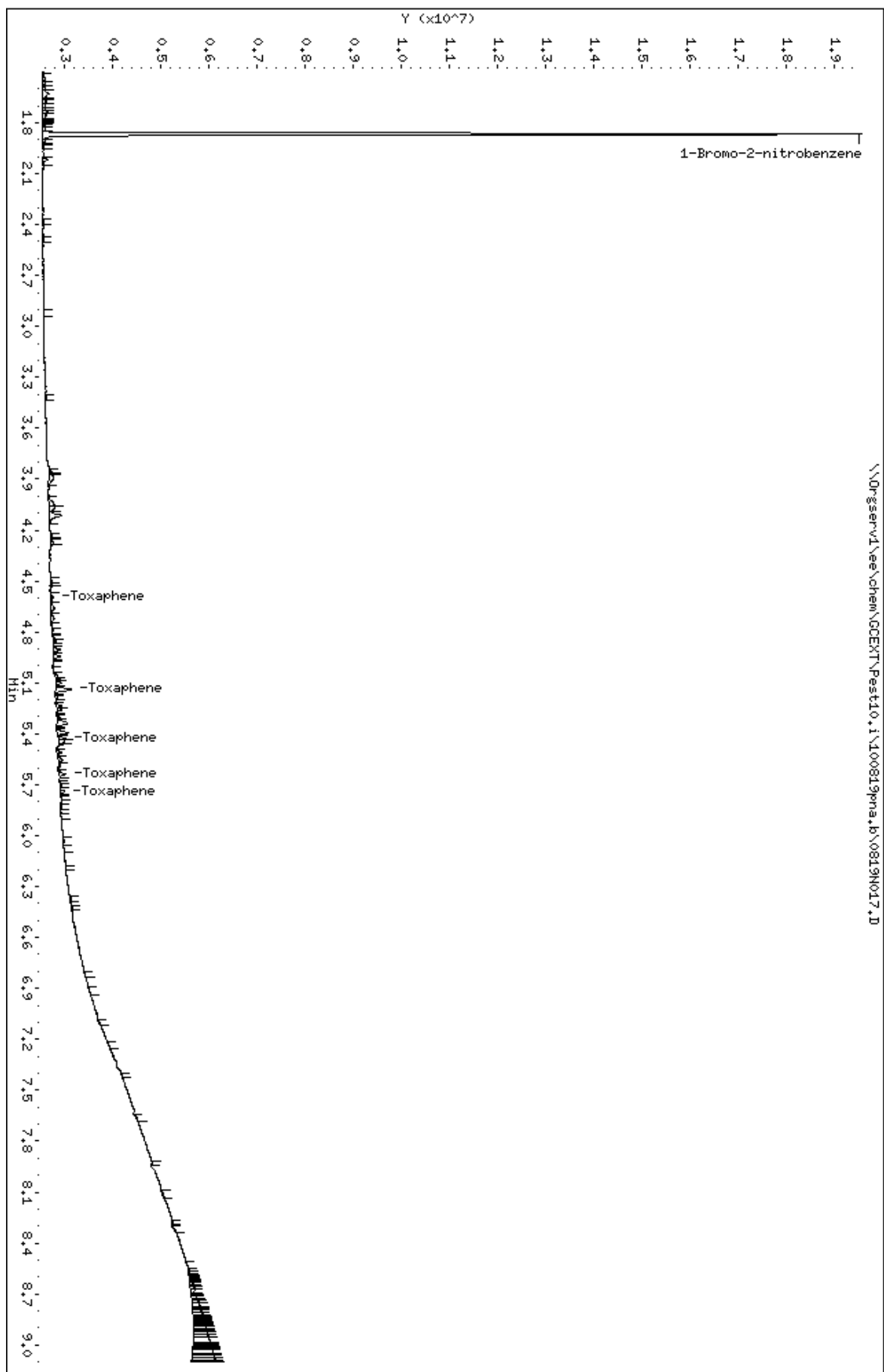
Calibration Date: 19-AUG-2010
Calibration Time: 11:47
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11082070	5541035	22164140	11270596	1.70

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.10

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N017.D
Date : 19-AUG-2010 12:39
Client ID:
Sample Info: tox 12 3035
Column phase: Rtx-CLP
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N017.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 12:39
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox l2 3035
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 09:26 Cal File: 0819N002.D
 Als bottle: 17 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	11270596	0.02500		
27 Toxaphene	4.594	4.594	(2.462)	111455	0.01000	0.0168(MH)	M4

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

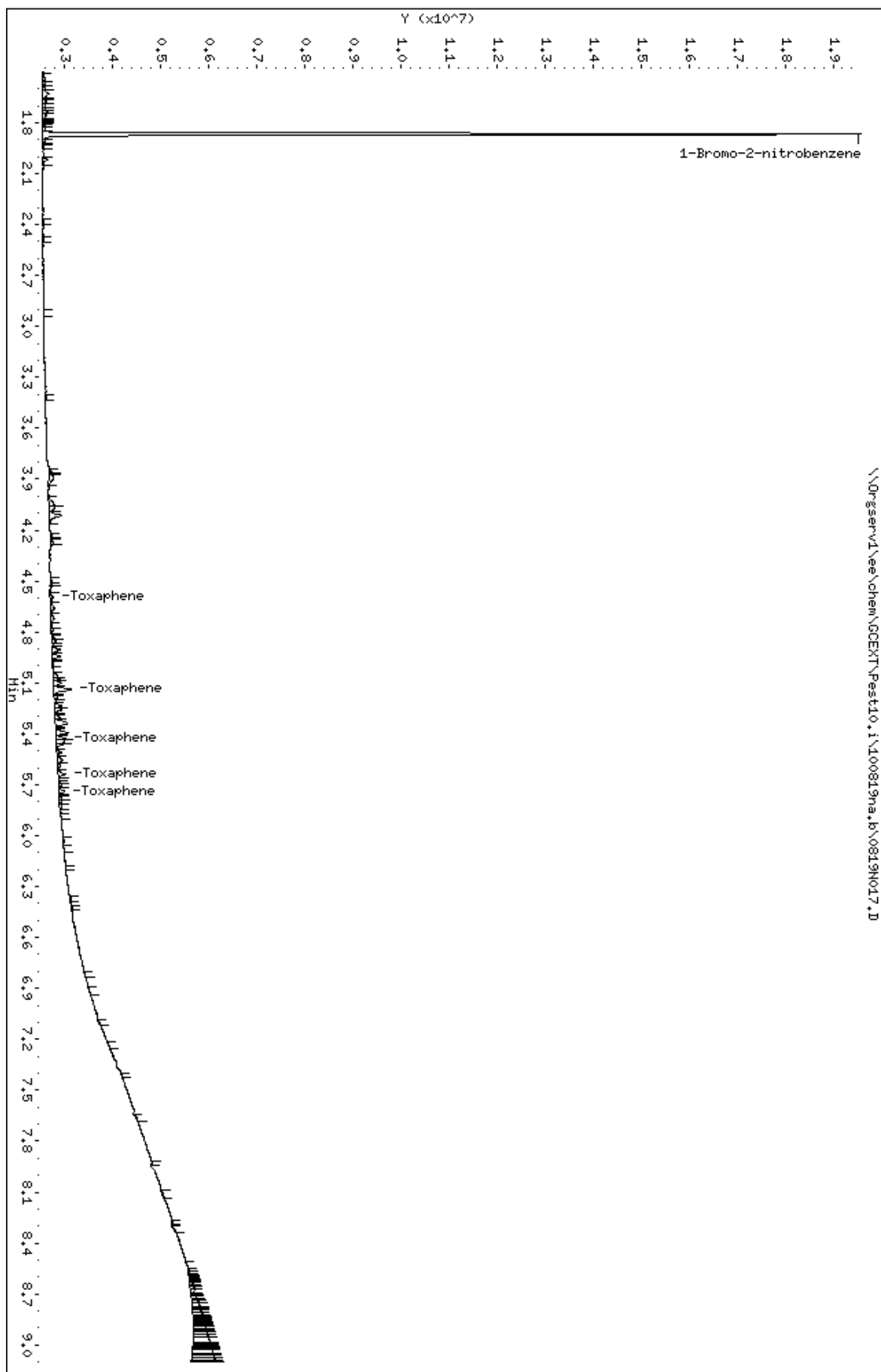
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N017.D Calibration Time: 11:47
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11082070	5541035	22164140	11270596	1.70

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.10

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819na,b\0819N017.D
 Date : 19-AUG-2010 12:39
 Client ID:
 Sample Info: tox 12 3035
 Column phase: Rtx-CLP
 Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N018.D
Lab Smp Id:
Inj Date : 19-AUG-2010 12:51
Operator : sh Inst ID: Pest10.i
Smp Info : tox l3 3036
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 09:39 Cal File: 0819N003.D
Als bottle: 18 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.867	1.867	(1.000)	11566732	0.02500		
27 Toxaphene	4.594	4.594	(2.460)	346687	0.05000	0.0595	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N018.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

Calibration Date: 19-AUG-2010
Calibration Time: 11:47
Level:
Sample Type:

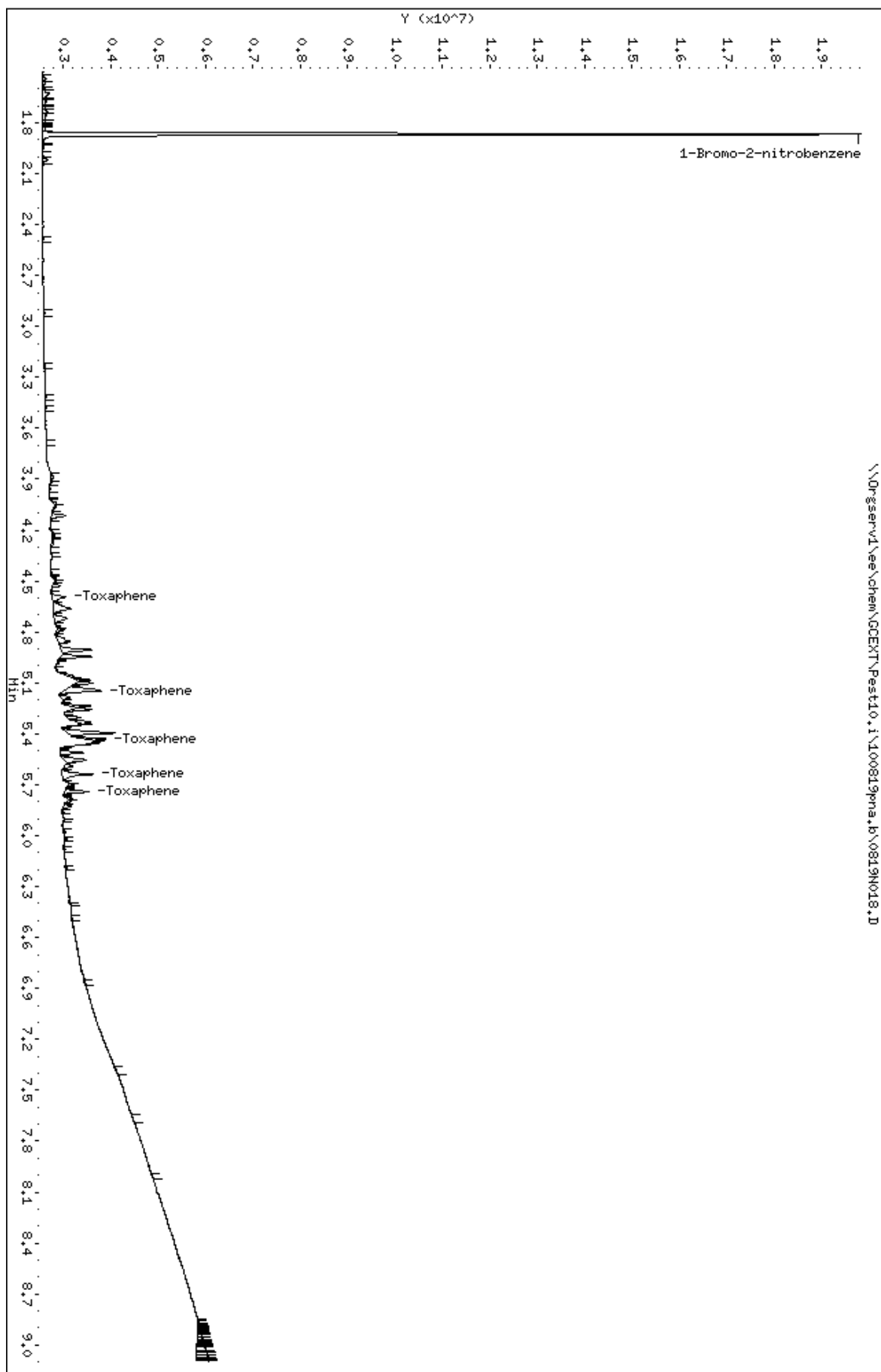
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11082070	5541035	22164140	11566732	4.37

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N018.D
 Date : 19-AUG-2010 12:51
 Client ID:
 Sample Info: tox 13 3036
 Column phase: Rtx-CLP

Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N018.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 12:51
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox l3 3036
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 09:39 Cal File: 0819N003.D
 Als bottle: 18 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.867	1.867	(1.000)	11566732	0.02500		
27 Toxaphene	4.594	4.594	(2.460)	464756	0.05000	0.0517(M)	M4

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

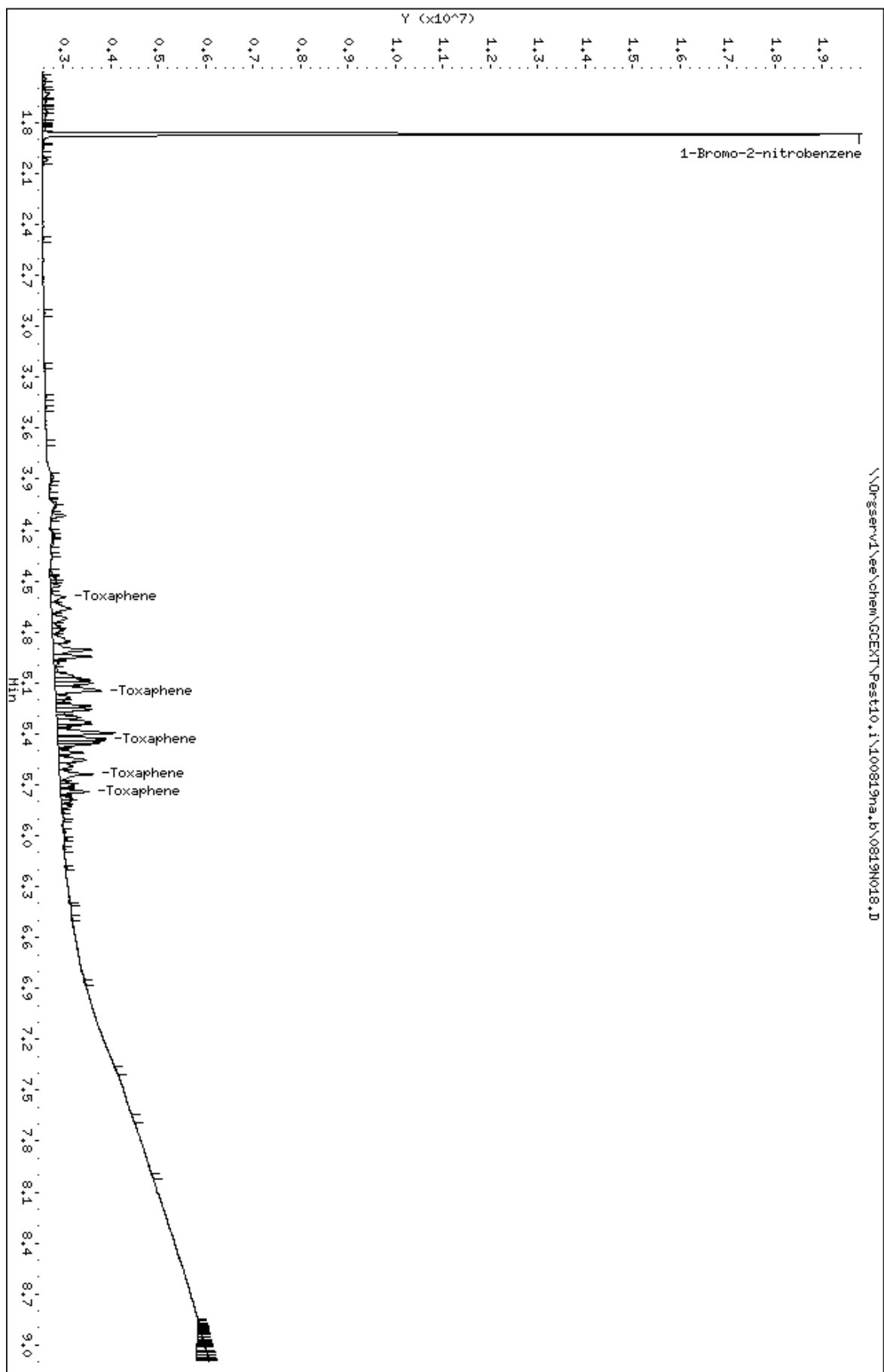
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N018.D Calibration Time: 11:47
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11082070	5541035	22164140	11566732	4.37

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819na,b\0819N018.D
Date : 19-AUG-2010 12:51
Client ID:
Sample Info: tox 13 3036
Column phase: Rtx-CLP
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N019.D
Lab Smp Id:
Inj Date : 19-AUG-2010 13:04
Operator : sh Inst ID: Pest10.i
Smp Info : tox l4 3037
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 09:52 Cal File: 0819N004.D
Als bottle: 19 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.867	1.867	(1.000)	11205590	0.02500		
27 Toxaphene	4.593	4.593	(2.460)	839322	0.10000	0.112	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N019.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

Calibration Date: 19-AUG-2010
Calibration Time: 11:47
Level:
Sample Type:

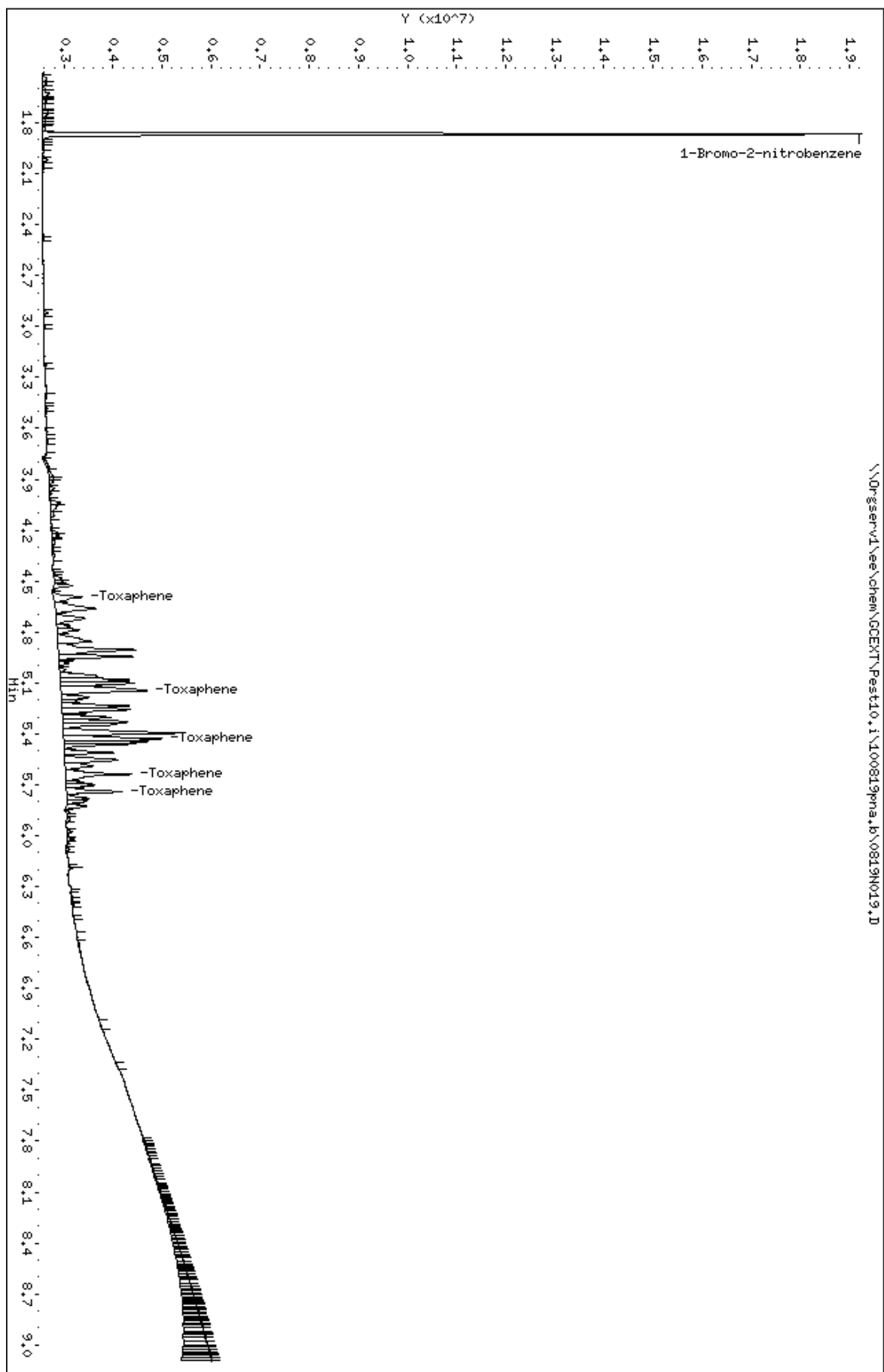
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11082070	5541035	22164140	11205590	1.11

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drsgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N019.D
Date : 19-AUG-2010 13:04
Client ID:
Sample Info: tox 14 3037
Column phase: Rtx-CLP

Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N019.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 13:04
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox l4 3037
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 09:52 Cal File: 0819N004.D
 Als bottle: 19 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.867	1.867	(1.000)	11205590	0.02500		
27 Toxaphene	4.593	4.593	(2.460)	930722	0.10000	0.101(M)	M4

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

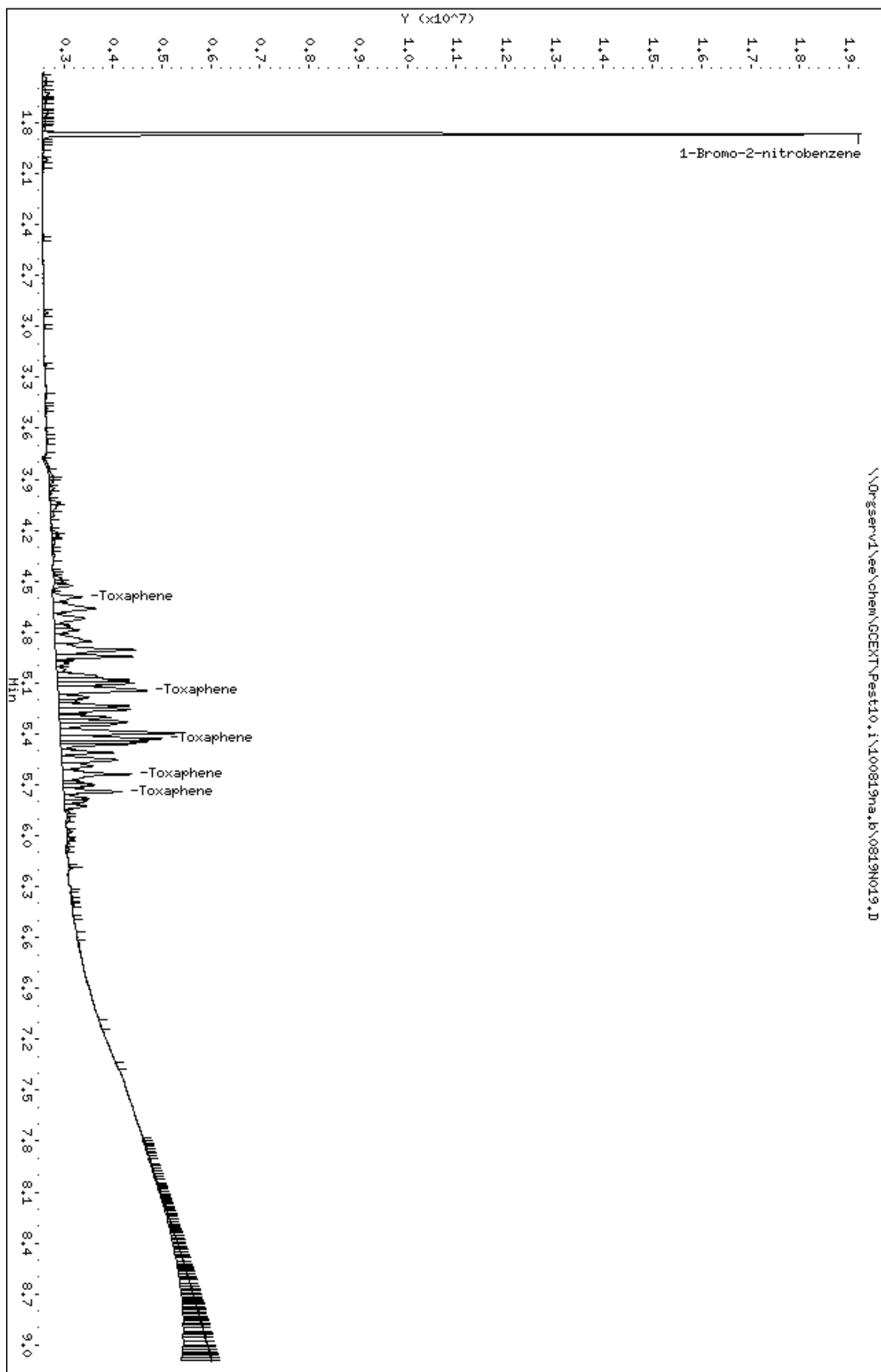
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N019.D Calibration Time: 11:47
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11082070	5541035	22164140	11205590	1.11

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\rd\ee\chem\GCEXT\Pest10.i\100819na,b\0819N019.D
Date : 19-AUG-2010 13:04
Client ID:
Sample Info: tox 14 3037
Column phase: Rtx-CLP
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N020.D
Lab Smp Id:
Inj Date : 19-AUG-2010 13:17
Operator : sh
Smp Info : tox l5 3038
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i
Cal Date : 19-AUG-2010 10:05
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.12
Processing Host: KRISTINF

Inst ID: Pest10.i

Quant Type: ISTD
Cal File: 0819N005.D

Calibration Sample, Level: 5

Compound Sublist: toxical.sub

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.867	1.867	(1.000)	10616065	0.02500		
27 Toxaphene	4.593	4.593	(2.460)	4740121	0.50000	0.542	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N020.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

Calibration Date: 19-AUG-2010
Calibration Time: 13:17
Level:
Sample Type:

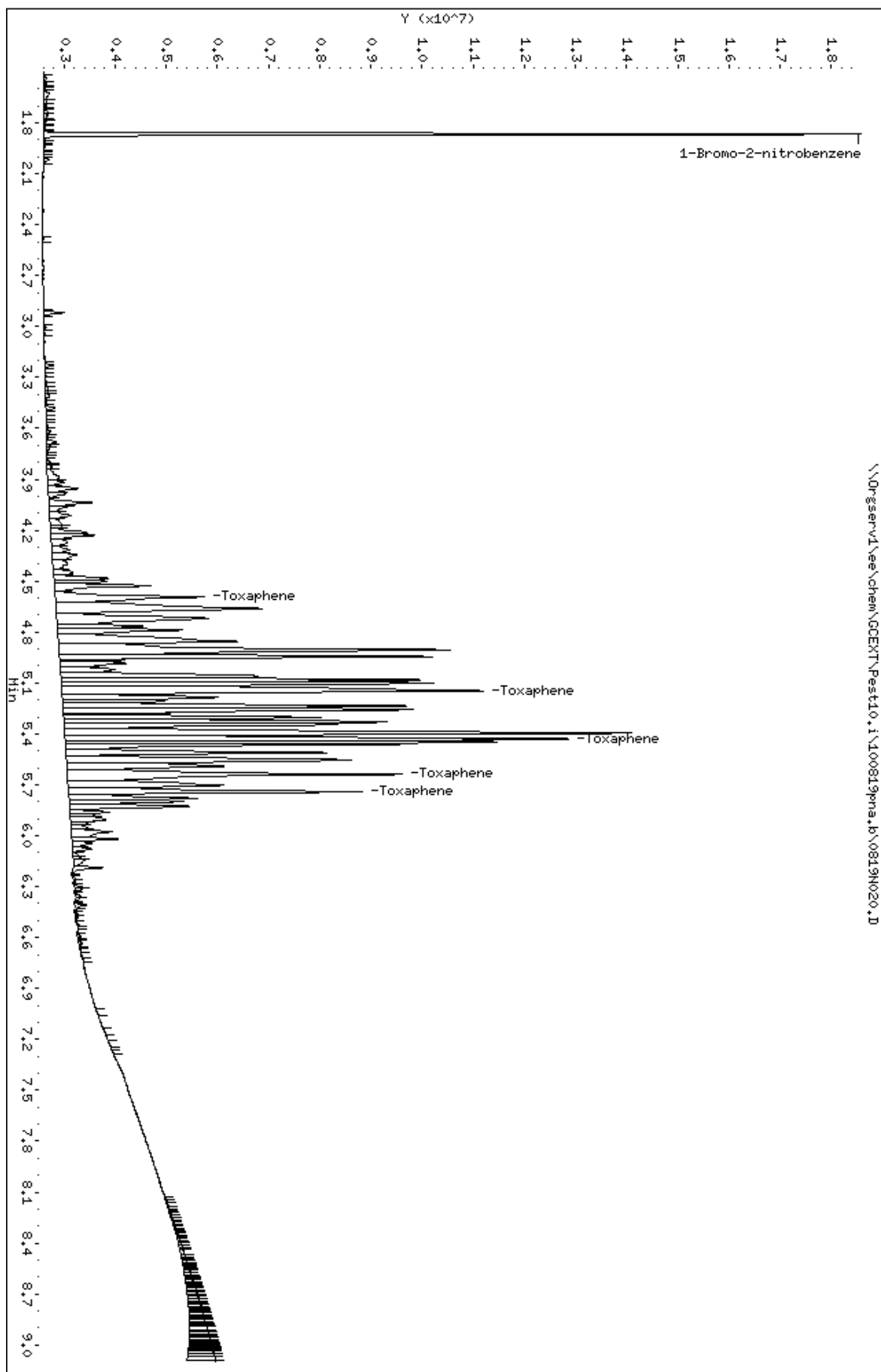
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10616065	5308033	21232130	10616065	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N020.D
 Date : 19-AUG-2010 13:17
 Client ID:
 Sample Info: tox 15 3038
 Column phase: Rtx-CLP

Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N020.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 13:17
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox l5 3038
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:05 Cal File: 0819N005.D
 Als bottle: 20 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.867	1.867	(1.000)	10616065	0.02500		
27 Toxaphene	4.593	4.593	(2.627)	4740121	0.50000	0.519(MH)	M4

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N020.D Calibration Time: 13:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

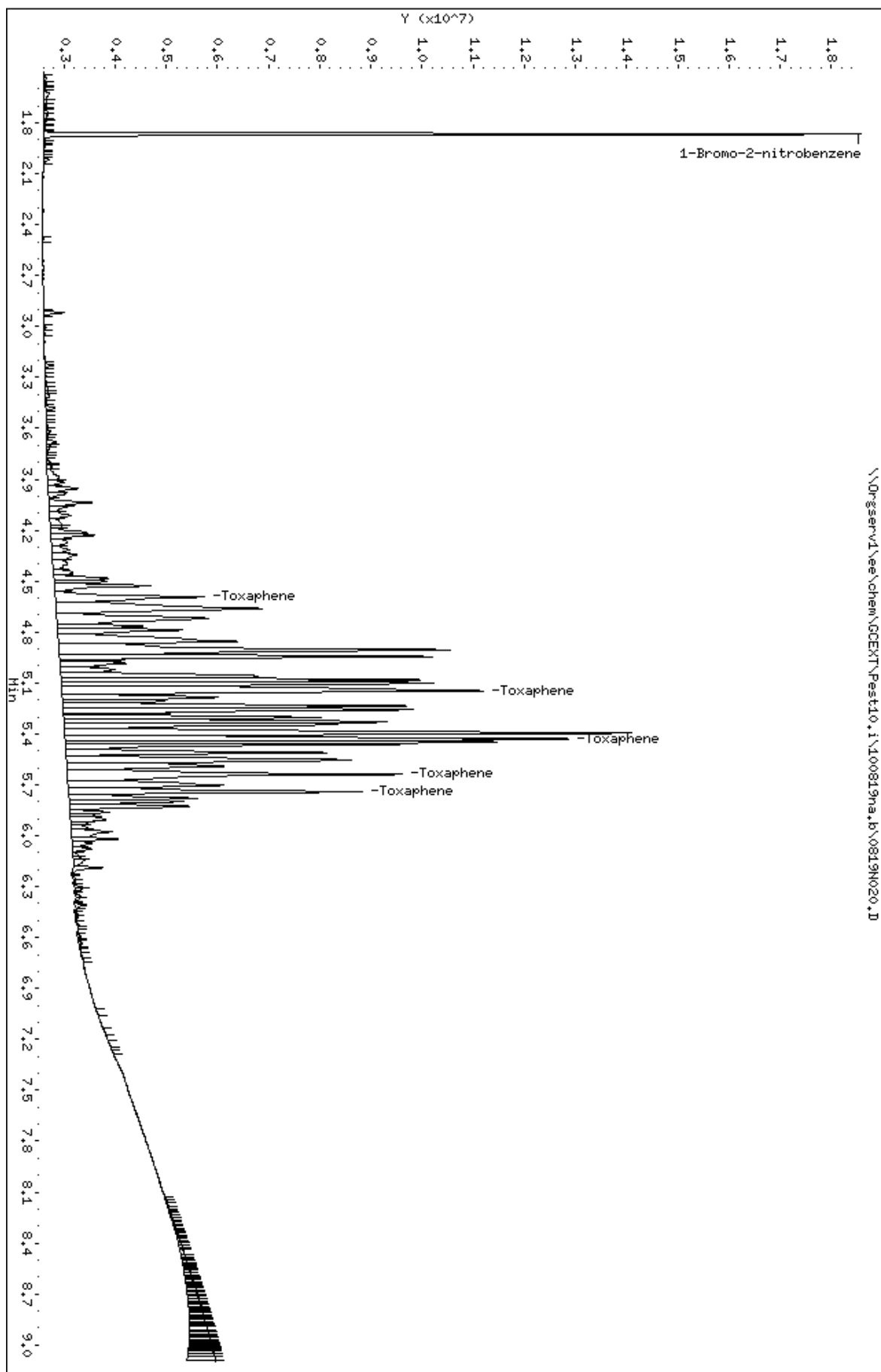
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10616065	5308033	21232130	10616065	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GC\EXT\Pest10.i\100819na,b\0819N020.D
 Date : 19-AUG-2010 13:17
 Client ID:
 Sample Info: tox 15 3038
 Column phase: Rtx-CLP

Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N021.D
Lab Smp Id:
Inj Date : 19-AUG-2010 13:30
Operator : sh Inst ID: Pest10.i
Smp Info : tox l6 3039
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:17 Cal File: 0819N006.D
Als bottle: 21 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10961436	0.02500		
27 Toxaphene	4.593	4.593	(2.461)	7673836	1.00000	0.836	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N021.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

Calibration Date: 19-AUG-2010
Calibration Time: 13:17
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10616065	5308033	21232130	10961436	3.25

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N021.D

Date : 19-AUG-2010 13:30

Client ID:

Sample Info: tox 16 3039

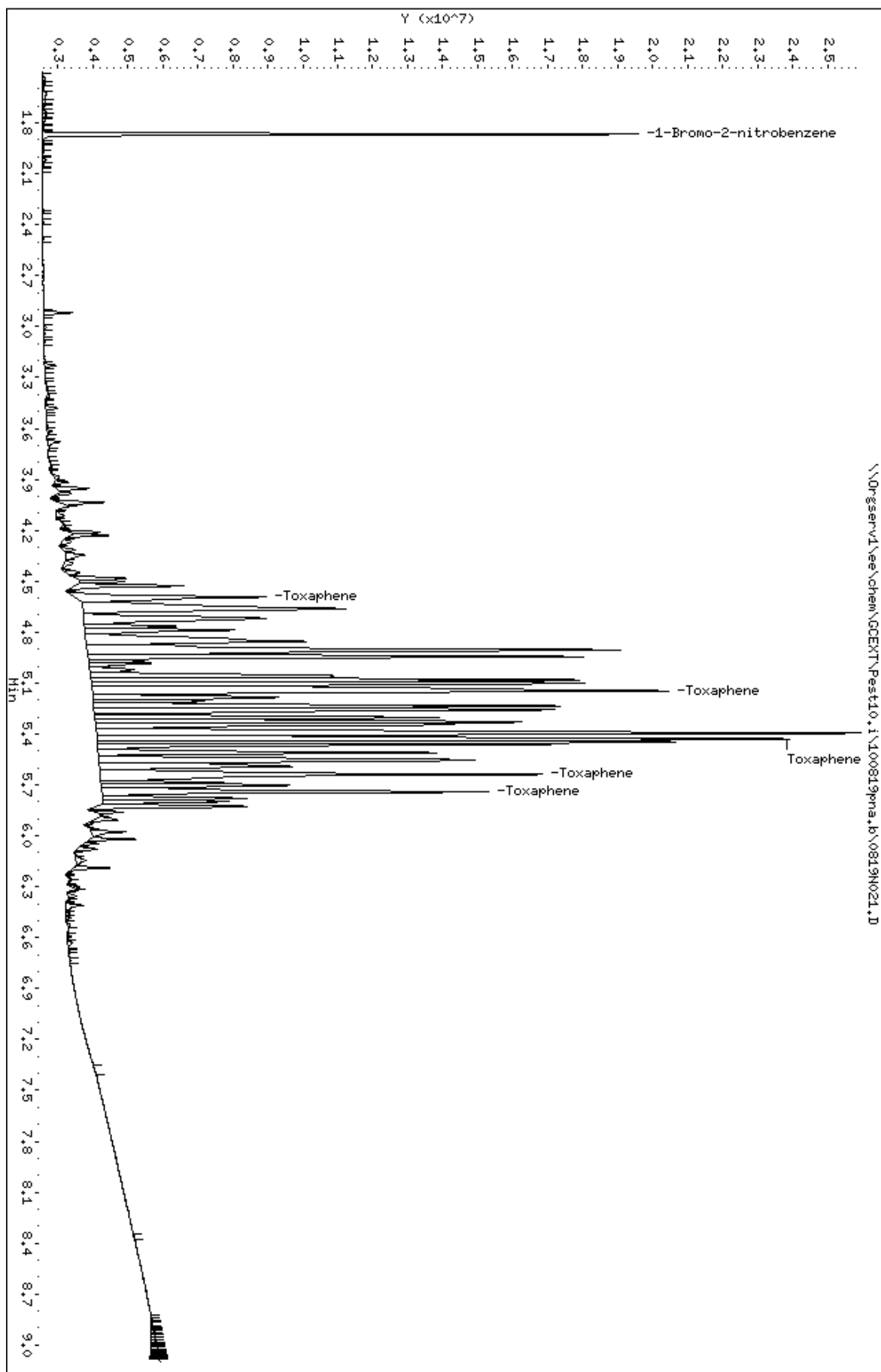
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

Page 3



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N021.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 13:30
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox l6 3039
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:17 Cal File: 0819N006.D
 Als bottle: 21 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10961436	0.02500		
27 Toxaphene	4.593	4.593	(2.461)	8954584	1.00000	0.946(M)	M4

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

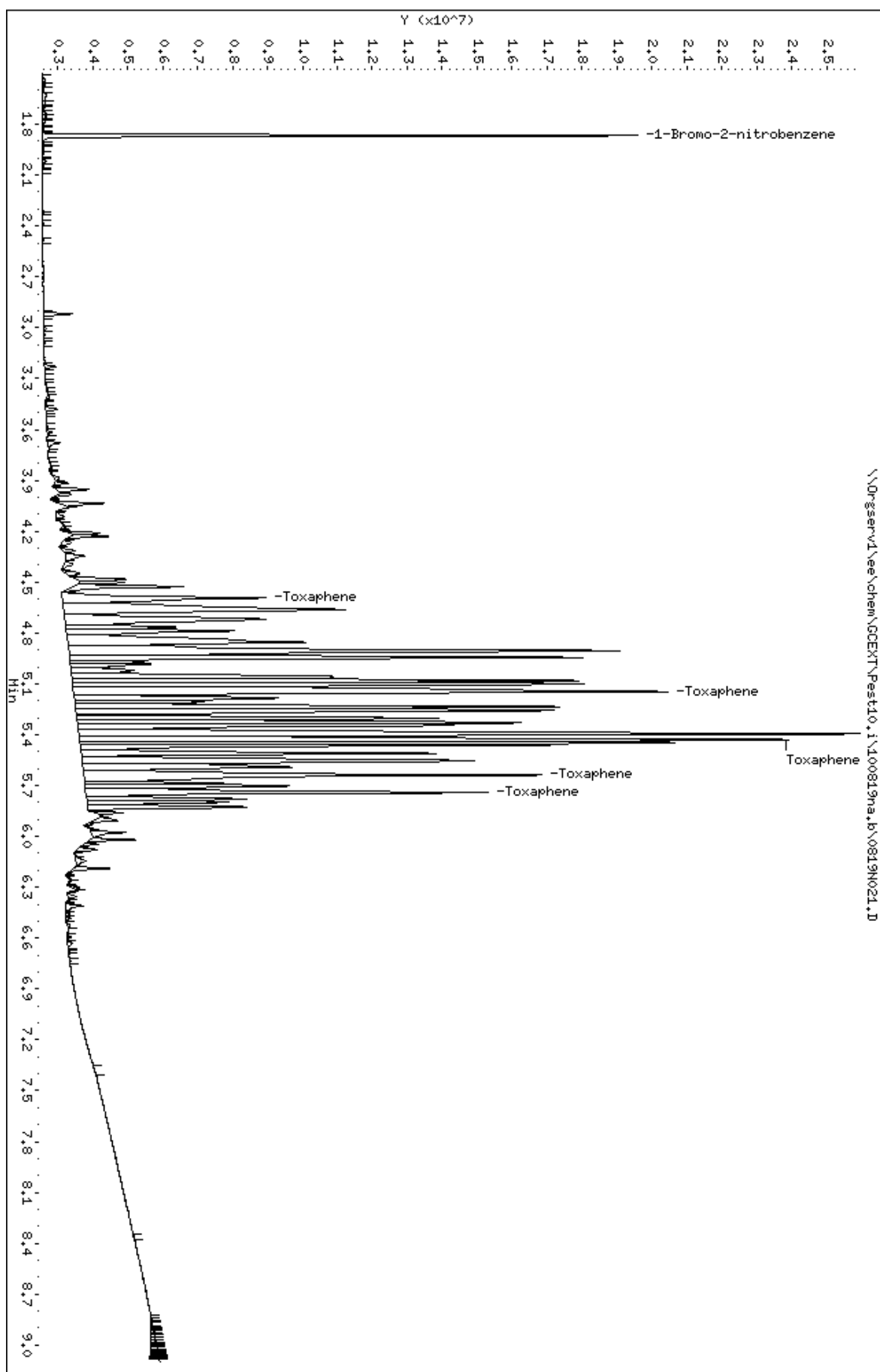
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N021.D Calibration Time: 13:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10616065	5308033	21232130	10961436	3.25

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgera1\ee\chem\GCEXT\Pest10.i\100819na,b\0819N021.D
Date : 19-AUG-2010 13:30
Client ID:
Sample Info: tox 16 3039
Column phase: Rtx-CLP
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N022.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 13:43
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox l7 3040
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:30 Cal File: 0819N007.D
 Als bottle: 22 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10750596	0.02500		
27 Toxaphene	4.593	4.593	(2.461)	18822861	2.00000	2.02(H)	

QC Flag Legend

H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N022.D Calibration Time: 13:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10616065	5308033	21232130	10750596	1.27

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819na,b\0819N022.D

Date : 19-AUG-2010 13:43

Client ID:

Sample Info: tox 17 3040

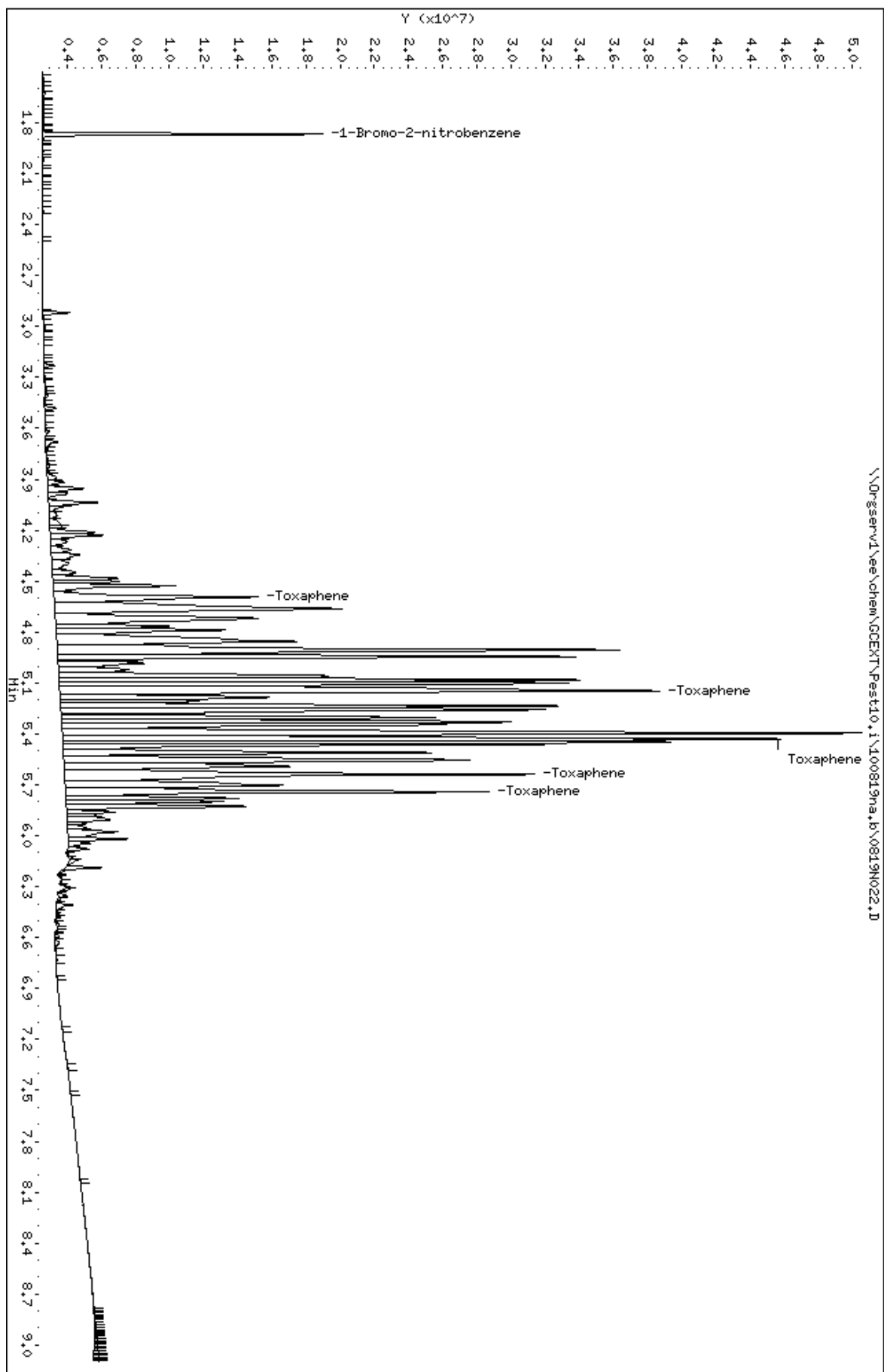
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

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Initial Calibration Verification

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest10.i Injection Date: 19-AUG-2010 13:55
Lab File ID: 0819N023.D Init. Cal. Date(s): 18-JUN-2010 19-AUG-2010
Analysis Type: Init. Cal. Times: 13:58 12:13
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 2 2,4,5,6-Tetrachloro-m-xylene	1.56429	1.17641	1.17641	0.010	24.79581	15.00000	Averaged <-
3 Hexachlorobenzene	1.59041	1.25451	1.25451	0.010	21.11997	15.00000	Averaged <-
4 alpha-BHC	1.62311	1.65118	1.65118	0.010	-1.72925	15.00000	Averaged
5 Lindane	1.50154	1.51767	1.51767	0.010	-1.07421	15.00000	Averaged
6 beta-BHC	0.72179	0.66366	0.66366	0.010	8.05393	15.00000	Averaged
7 delta-BHC	1.51593	1.55715	1.55715	0.010	-2.71941	15.00000	Averaged
8 Heptachlor	1.59466	1.56699	1.56699	0.010	1.73485	15.00000	Averaged
9 Aldrin	1.43019	1.46788	1.46788	0.010	-2.63502	15.00000	Averaged
10 Alachlor	0.25998	0.21685	0.21685	0.010	16.59134	15.00000	Averaged <-
11 Heptachlor Epoxide	1.50168	1.46383	1.46383	0.010	2.52067	15.00000	Averaged
12 trans-Chlordane	1.61333	1.47716	1.47716	0.010	8.44022	15.00000	Averaged
13 cis-Chlordane	1.44484	1.43027	1.43027	0.010	1.00855	15.00000	Averaged
14 4,4'-DDE	1.43916	1.49542	1.49542	0.010	-3.90968	15.00000	Averaged
15 Endosulfan I	1.33811	1.35889	1.35889	0.010	-1.55326	15.00000	Averaged
16 Dieldrin	1.49244	1.54619	1.54619	0.010	-3.60160	15.00000	Averaged
17 Endrin	1.43422	1.45659	1.45659	0.010	-1.56009	15.00000	Averaged
18 4,4'-DDD	1.24055	1.33066	1.33066	0.010	-7.26314	15.00000	Averaged
19 Endosulfan II	1.30685	1.37663	1.37663	0.010	-5.33892	15.00000	Averaged
20 4,4'-DDT	1.35121	1.40901	1.40901	0.010	-4.27771	15.00000	Averaged
21 Endrin Aldehyde	1.07214	1.19036	1.19036	0.010	-11.02635	15.00000	Averaged
22 Methoxychlor	0.78894	0.80919	0.80919	0.010	-2.56738	15.00000	Averaged
23 Endosulfan Sulfate	1.32943	1.37272	1.37272	0.010	-3.25683	15.00000	Averaged
24 Endrin Ketone	1.65035	1.65511	1.65511	0.010	-0.28880	15.00000	Averaged
\$ 25 Decachlorobiphenyl	1.59723	1.31687	1.31687	0.010	17.55266	15.00000	Averaged <-

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N023.D
Lab Smp Id:
Inj Date : 19-AUG-2010 13:55
Operator : sh Inst ID: Pest10.i
Smp Info : pest ICV 3044
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
Als bottle: 23 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pestical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10860851	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.345	2.345	(1.256)	25553656	0.05000	0.0376	
3 Hexachlorobenzene	2.601	2.601	(1.394)	27250180	0.05000	0.0394	
4 alpha-BHC	2.718	2.718	(1.456)	35866487	0.05000	0.0509	
5 Lindane	2.940	2.940	(1.575)	32966373	0.05000	0.0505	
6 beta-BHC	3.001	3.001	(1.608)	14415772	0.05000	0.0460	
7 delta-BHC	3.135	3.135	(1.679)	33823956	0.05000	0.0514	
8 Heptachlor	3.300	3.300	(1.768)	34037796	0.05000	0.0491	
9 Aldrin	3.536	3.536	(1.895)	31884811	0.05000	0.0513	
10 Alachlor	3.646	3.646	(1.954)	4710328	0.05000	0.0417	
11 Heptachlor Epoxide	4.028	4.028	(2.158)	31796925	0.05000	0.0487	
12 trans-Chlordane	4.130	4.130	(2.212)	32086494	0.05000	0.0458	
13 cis-Chlordane	4.235	4.235	(2.269)	31067946	0.05000	0.0495	
14 4,4'-DDE	4.298	4.298	(2.303)	32483163	0.05000	0.0520	
15 Endosulfan I	4.340	4.340	(2.325)	29517446	0.05000	0.0508	
16 Dieldrin	4.523	4.523	(2.423)	33585819	0.05000	0.0518	
17 Endrin	4.696	4.696	(2.516)	31639693	0.05000	0.0508	
18 4,4'-DDD	4.751	4.751	(2.545)	28904117	0.05000	0.0536	
19 Endosulfan II	4.861	4.861	(2.604)	29902664	0.05000	0.0527	
20 4,4'-DDT	4.956	4.956	(2.655)	30606067	0.05000	0.0521	
21 Endrin Aldehyde	5.161	5.161	(2.765)	25856548	0.05000	0.0555	
22 Methoxychlor	5.303	5.303	(2.841)	17577044	0.05000	0.0513	
23 Endosulfan Sulfate	5.461	5.461	(2.926)	29817862	0.05000	0.0516	
24 Endrin Ketone	5.650	5.650	(3.027)	35951849	0.05000	0.0501	
\$ 25 Decachlorobiphenyl	6.310	6.310	(3.380)	28604650	0.05000	0.0412	

Alpha Analytical Labs

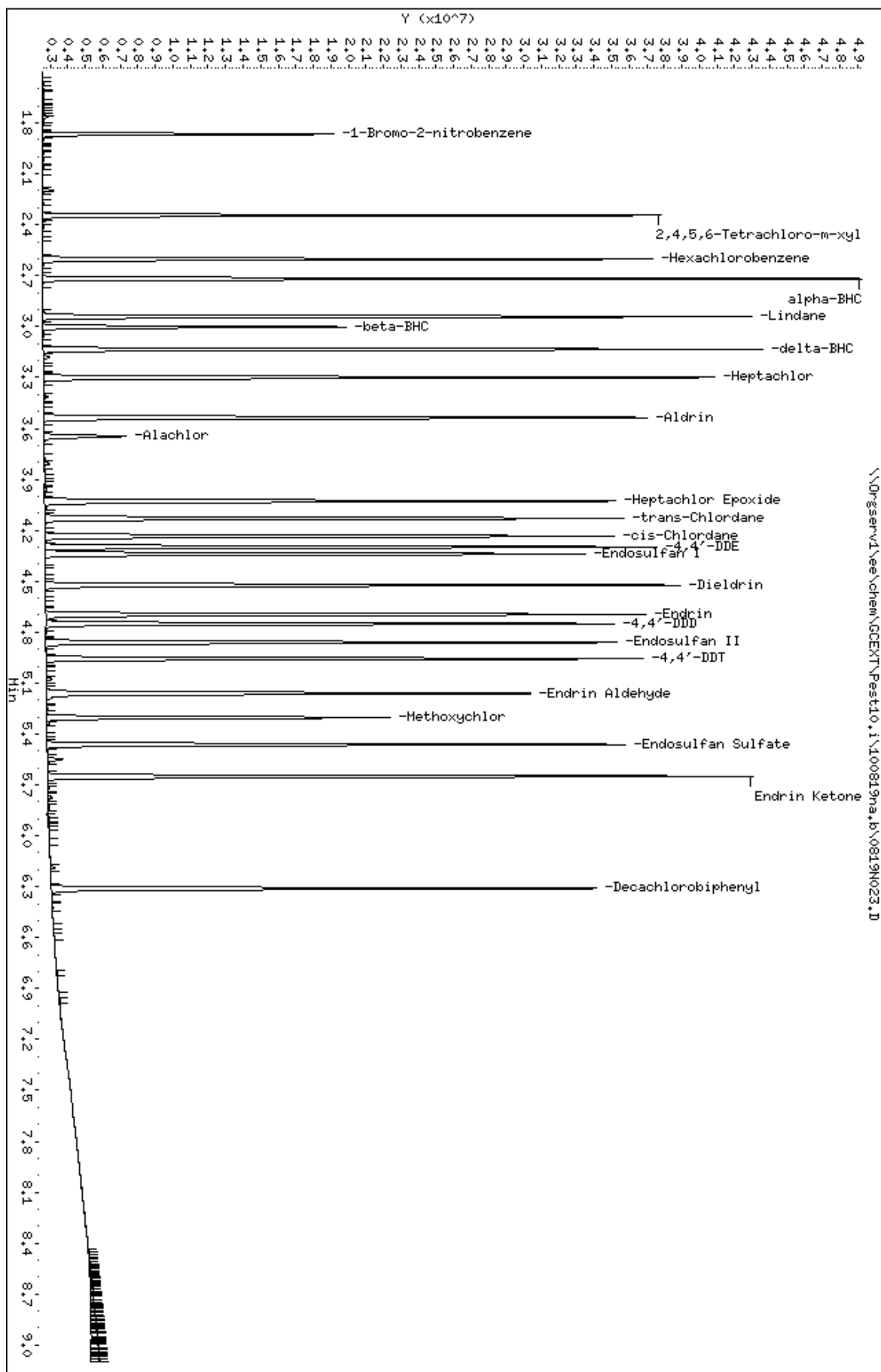
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N023.D Calibration Time: 13:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10616065	5308033	21232130	10860851	2.31

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest10.i Injection Date: 19-AUG-2010 14:08
 Lab File ID: 0819N024.D Init. Cal. Date(s): 18-JUN-2010 19-AUG-2010
 Analysis Type: Init. Cal. Times: 13:58 12:13
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 2,4,5,6-Tetrachloro-m-xylen	1.56429	1.21783	1.21783	0.010	22.14799	15.00000	Averaged <-
25 Decachlorobiphenyl	1.59723	1.24657	1.24657	0.010	21.95375	15.00000	Averaged <-
26 Chlordane(1)	0.04825	0.04148	0.04148	0.010	14.02330	15.00000	Averaged
(2)	0.06937	0.08193	0.08193	0.010	-18.10667	15.00000	Averaged <-
(3)	0.16130	0.15328	0.15328	0.010	4.97090	15.00000	Averaged
(4)	0.14989	0.15352	0.15352	0.010	-2.42300	15.00000	Averaged

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N024.D
Lab Smp Id:
Inj Date : 19-AUG-2010 14:08
Operator : sh Inst ID: Pest10.i
Smp Info : chlor ICV 3055
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:14 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:30 Cal File: 0819N007.D
Als bottle: 24 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlorCC.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10702337	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.344	2.344	(1.256)	26067272	0.05000	0.0389	
\$ 25 Decachlorobiphenyl	6.309	6.309	(3.381)	26682518	0.05000	0.0390	
26 Chlordane	3.236	3.236	(1.734)	8879051	0.50000	0.430(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N024.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

Calibration Date: 19-AUG-2010
Calibration Time: 13:17
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10616065	5308033	21232130	10702337	0.81

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N024.D

Date : 19-AUG-2010 14:08

Client ID:

Sample Info: chlor ICV 3055

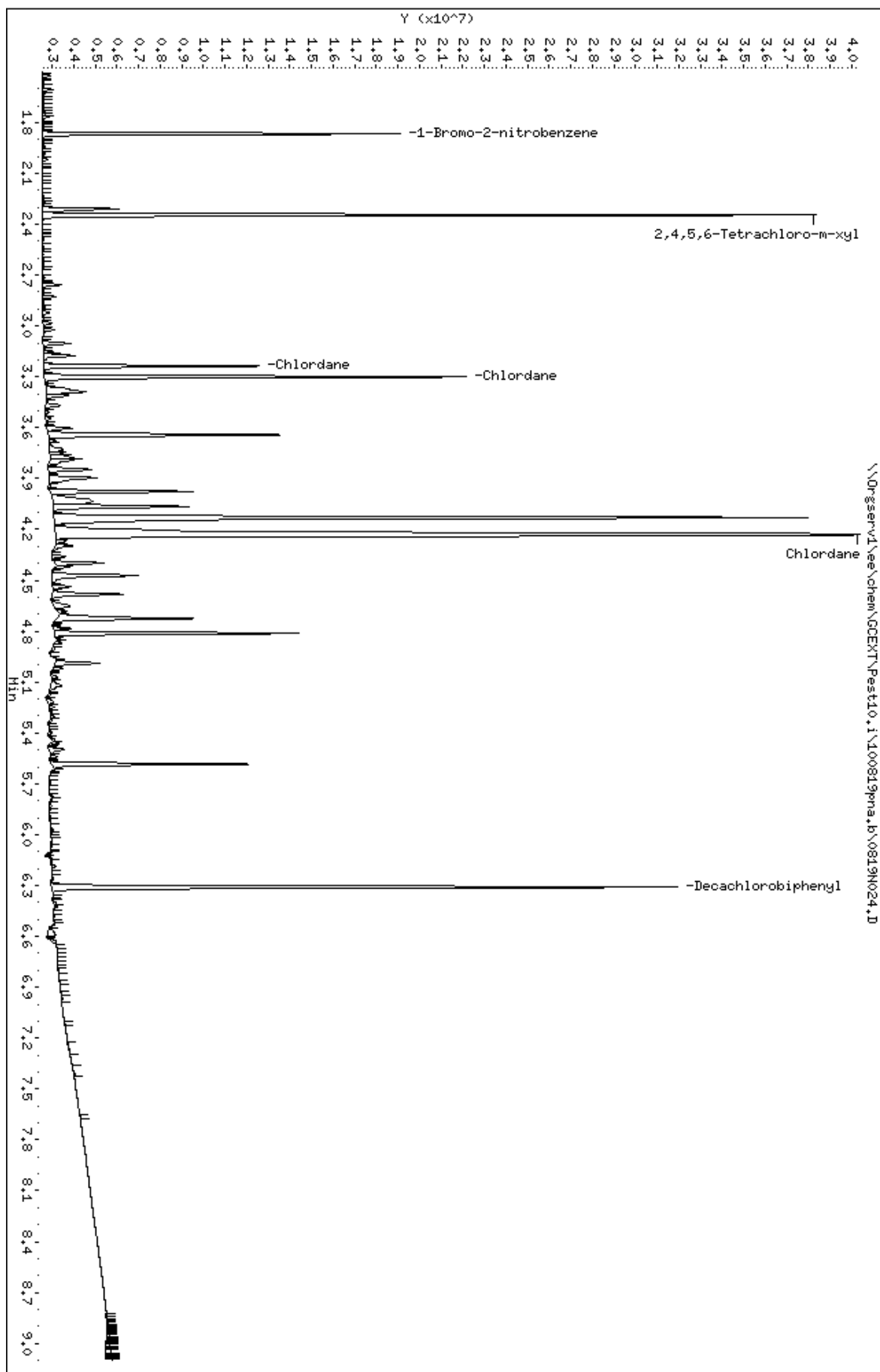
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N024.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 14:08
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor ICV 3055
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 24 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorCC.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	10702337	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.344	2.344	(0.000)	26067272	0.05000	0.0389(M)	M2
\$ 25 Decachlorobiphenyl	6.309	6.309	(0.000)	26682518	0.05000	0.0390(M)	M2
26 Chlordane	3.236	3.236	(1.734)	8879051	0.50000	0.430(M)	M3

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N024.D Calibration Time: 13:55
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10860851	5430426	21721702	10702337	-1.46

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgera1\ee\chem\GC\EXT\Pest10.i\100819na,b\0819N024.D

Date : 19-AUG-2010 14:08

Client ID:

Sample Info: chlor ICV 3055

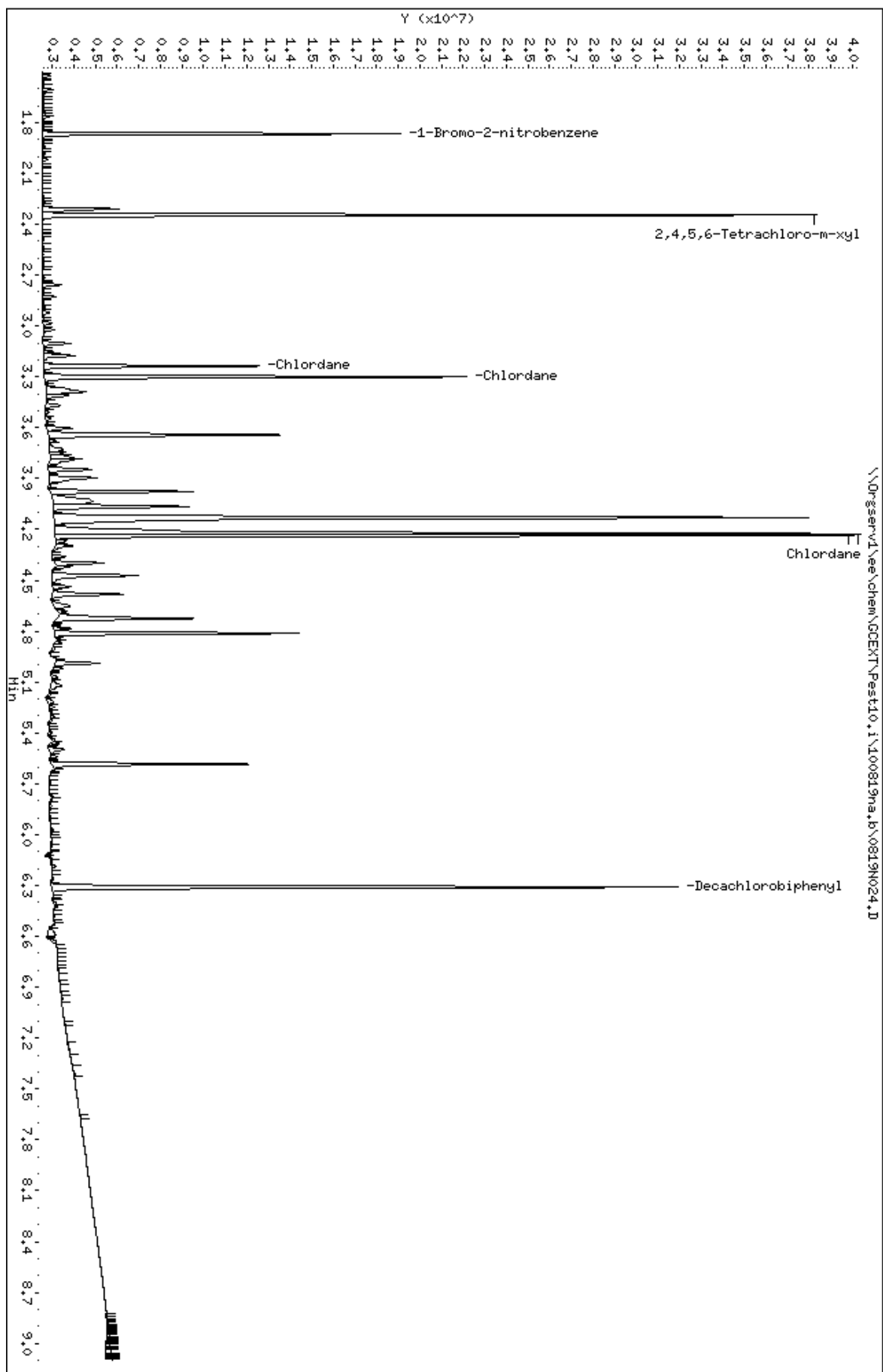
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

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Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest10.i Injection Date: 19-AUG-2010 14:21
 Lab File ID: 0819N025.D Init. Cal. Date(s): 18-JUN-2010 19-AUG-2010
 Analysis Type: Init. Cal. Times: 13:58 13:43
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 2 2,4,5,6-Tetrachloro-m-xylene	1.56429	1.14440	1.14440	0.010	26.84211	15.00000	Averaged
\$ 25 Decachlorobiphenyl	1.59723	1.26747	1.26747	0.010	20.64561	15.00000	Averaged
27 Toxaphene(1)	0.50000	0.48732	0.02094	0.010	2.53656	15.00000	Linear
(2)	0.50000	0.48640	0.07023	0.010	2.71947	15.00000	Linear
(3)	0.50000	0.53996	0.05849	0.010	-7.99104	15.00000	Linear
(4)	0.50000	0.55949	0.05558	0.010	-11.89706	15.00000	Linear
(5)	0.50000	0.51610	0.03550	0.010	-3.21972	15.00000	Linear

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N025.D
Lab Smp Id:
Inj Date : 19-AUG-2010 14:21
Operator : sh Inst ID: Pest10.i
Smp Info : tox ICV 3056
Misc Info : wg423905, wg423871, ICAL5201
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Meth Date : 23-Aug-2010 10:15 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:30 Cal File: 0819N007.D
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxCC.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	11121074	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.344	2.344	(1.256)	25453942	0.05000	0.0366	
\$ 25 Decachlorobiphenyl	6.311	6.311	(3.382)	28191216	0.05000	0.0397	
27 Toxaphene	4.594	4.594	(2.462)	3419404	0.50000	0.381	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N025.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\Pest10a.m
Misc Info: wg423905, wg423871, ICAL5201

Calibration Date: 19-AUG-2010
Calibration Time: 14:08
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10702337	5351169	21404674	11121074	3.91

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pna.b\0819N025.D

Date : 19-AUG-2010 14:21

Client ID:

Sample Info: tox ICV 3056

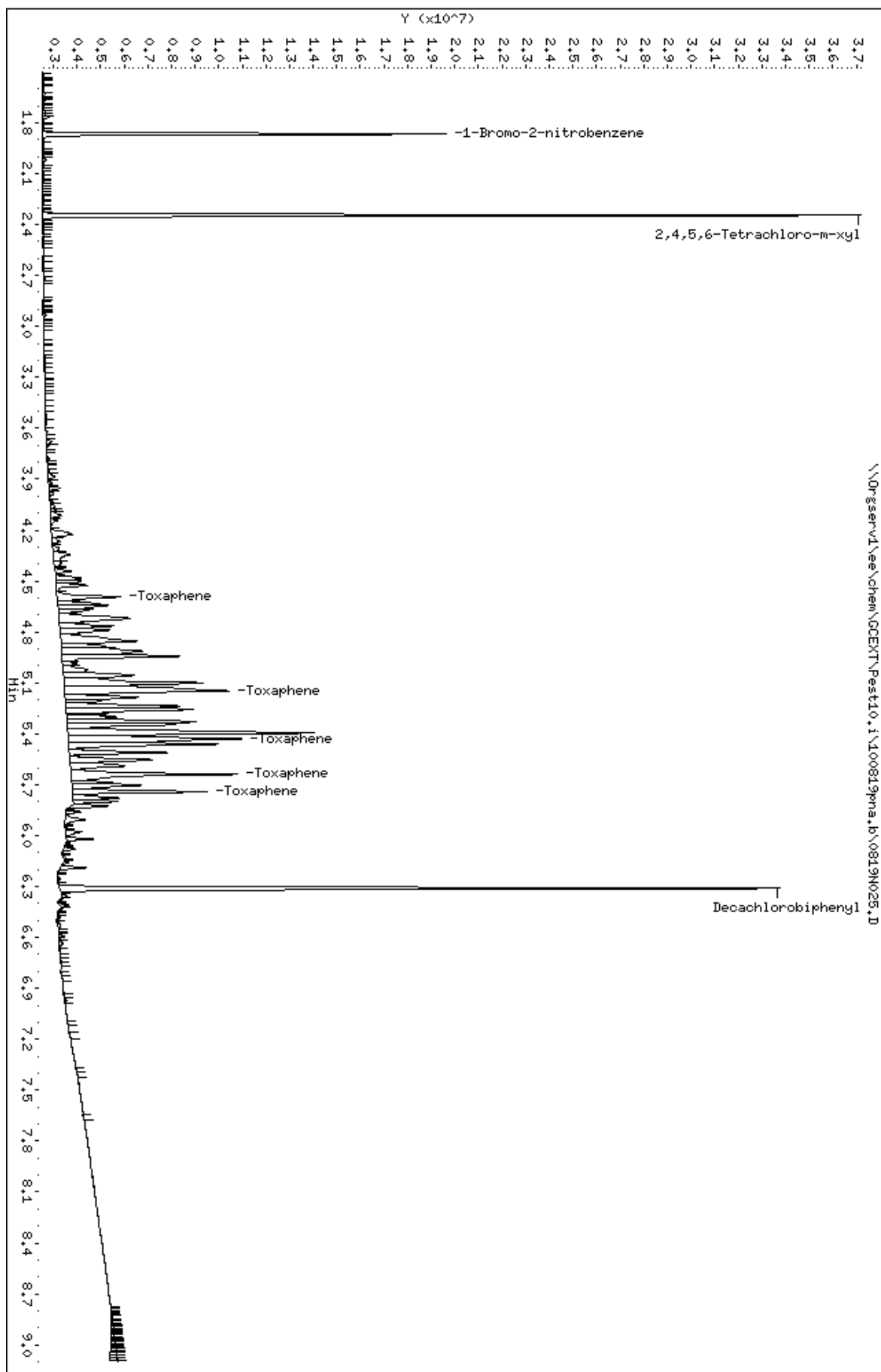
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\0819N025.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 14:21
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox ICV 3056
 Misc Info : wg423905, wg423871, ICAL5201
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:45 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 25 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxCC.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.866	1.866	(1.000)	11121074	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.344	2.344	(1.256)	25453942	0.05000	0.0366	
\$ 25 Decachlorobiphenyl	6.311	6.311	(3.382)	28191216	0.05000	0.0397	
27 Toxaphene	4.594	4.594	(2.462)	4656546	0.50000	0.487(M)	M4

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

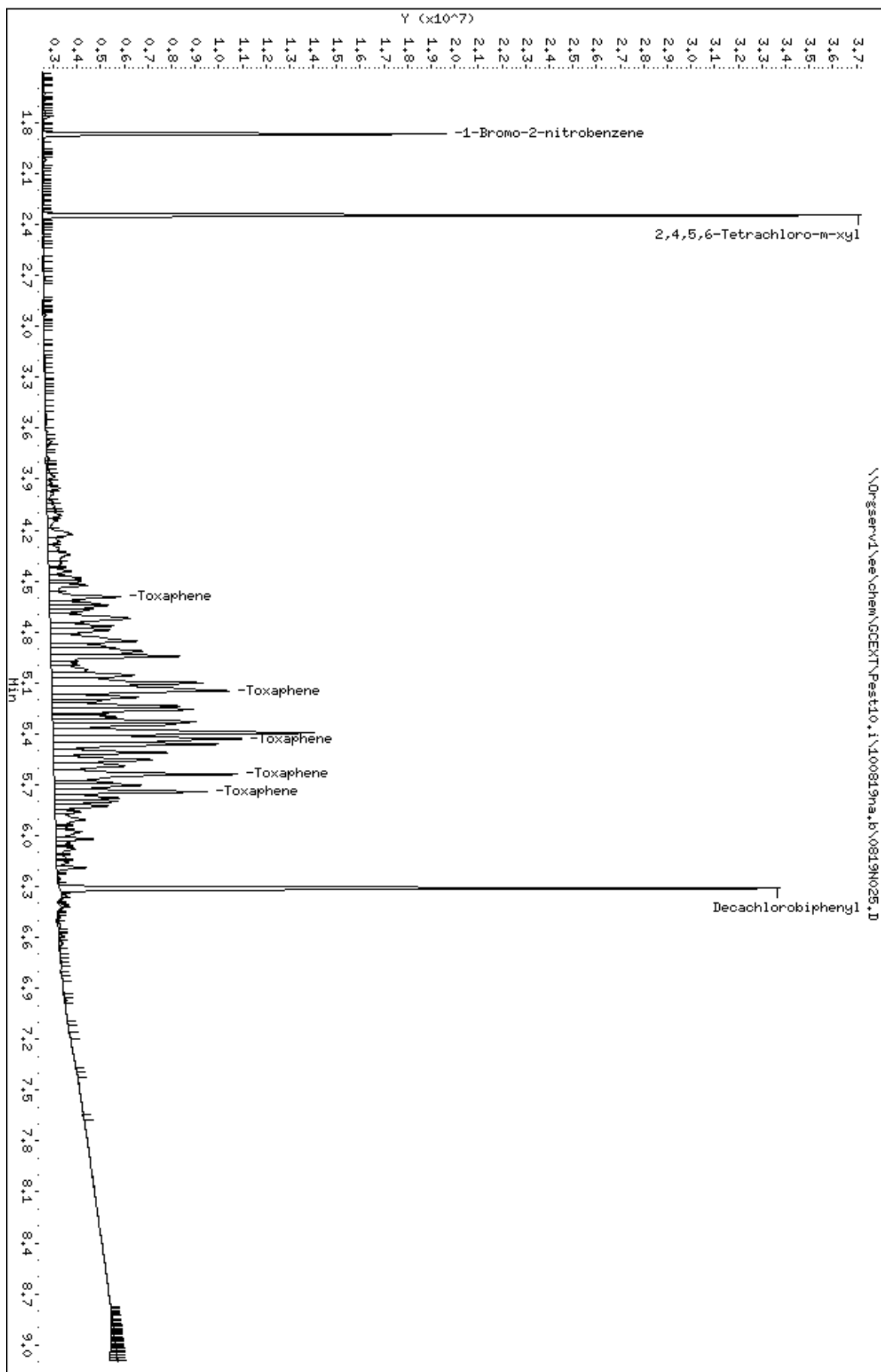
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N025.D Calibration Time: 14:08
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819na.b\Pest10a.m
 Misc Info: wg423905, wg423871, ICAL5201

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10702337	5351169	21404674	11121074	3.91

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.87	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GC\EXT\Pest10.i\100819na,b\0819N025.D
 Date : 19-AUG-2010 14:21
 Client ID:
 Sample Info: tox ICV 3056
 Column phase: Rtx-CLP
 Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 18-JUN-2010 13:58
 End Cal Date : 19-AUG-2010 13:43
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Cal Date : 20-Oct-2010 11:00 Pest10.i

Calibration File Names:

Level 1: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N002.D
 Level 2: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N003.D
 Level 3: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N004.D
 Level 4: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N005.D
 Level 5: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N006.D
 Level 6: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N007.D
 Level 7: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N008.D

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients			%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	0.2000000										
	Level 7										
=====											
3 Hexachlorobenzene	+++++	2.25885	1.88754	1.83643	1.66575	1.55588					
	1.56326						AVRG		1.79462		14.80630
4 alpha-BHC	+++++	1.80639	1.60225	1.64300	1.63003	1.55597					
	1.58573						AVRG		1.63723		5.40678
5 Lindane	+++++	1.72071	1.49140	1.50460	1.46714	1.39087					
	1.41641						AVRG		1.49852		7.82630
6 beta-BHC	+++++	0.87565	0.75387	0.74028	0.67873	0.62924					
	0.62902						AVRG		0.71780		13.06506
=====											

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 18-JUN-2010 13:58
 End Cal Date : 19-AUG-2010 13:43
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Cal Date : 20-Oct-2010 11:00 Pest10.i

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	0.2000000									
	Level 7									
7 delta-BHC	+++++	1.67380	1.47817	1.51461	1.50769	1.42689				
	1.46108						AVRG		1.51038	5.70846
8 Heptachlor	+++++	1.83233	1.50932	1.52456	1.45572	1.37233				
	1.38631						AVRG		1.51343	11.10522
9 Aldrin	1.75085	1.57897	1.38512	1.42480	1.41037	1.33582				
	1.36097						AVRG		1.46384	10.17777
10 Alachlor	+++++	0.32967	0.28307	0.27878	0.23895	0.20187				
	+++++						AVRG		0.26647	18.14582
11 Heptachlor Epoxide	+++++	1.86213	1.40534	1.40386	1.30474	1.21206				
	1.22414						AVRG		1.40204	17.14471
12 trans-Chlordane	+++++	2.01006	1.68262	1.54484	1.38242	1.26494				
	1.27784						AVRG		1.52712	18.74080
13 cis-Chlordane	+++++	1.62551	1.34879	1.34834	1.28903	1.20137				
	1.21957						AVRG		1.33877	11.47363

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 18-JUN-2010 13:58
 End Cal Date : 19-AUG-2010 13:43
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Cal Date : 20-Oct-2010 11:00 Pest10.i

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000		Coefficients			%RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Curve	b	m1	m2	or R^2
	0.2000000										
	Level 7										
14 4,4'-DDE	++++	1.64712	1.39993	1.43109	1.40504	1.31598					
	1.34804						AVRG		1.42453		8.19895
15 Endosulfan I	++++	1.54170	1.24979	1.25643	1.19558	1.11285					
	1.12093						AVRG		1.24621		12.60988
16 Dieldrin	1.89122	1.57562	1.32176	1.33708	1.30338	1.22005					
	1.24274						AVRG		1.41312		17.02933
17 Endrin	++++	1.32544	1.14040	1.16076	1.14459	1.07672					
	1.10472						AVRG		1.15877		7.52078
18 4,4'-DDD	1.35515	1.17824	1.05252	1.08369	1.05744	0.99484					
	1.01393						AVRG		1.10512		11.31629
19 Endosulfan II	++++	1.30740	1.09701	1.10125	1.03933	0.96378					
	0.97337						AVRG		1.08036		11.63357
20 4,4'-DDT	++++	1.30843	1.06995	1.07857	1.05307	0.99283					
	1.02249						AVRG		1.08756		10.36829

Alpha Analytical Labs
INITIAL CALIBRATION DATA

Start Cal Date : 18-JUN-2010 13:58
 End Cal Date : 19-AUG-2010 13:43
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Cal Date : 20-Oct-2010 11:00 Pest10.i

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	0.2000000									
	Level 7									
21 Endrin Aldehyde	+++++	1.16310	1.01120	0.96352	0.89180	0.83319				
	0.84652						AVRG		0.95156	13.04705
22 Methoxychlor	+++++	0.74953	0.60575	0.58760	0.53799	0.49633				
	0.49159						AVRG		0.57813	16.59489
23 Endosulfan Sulfate	+++++	1.27896	1.04265	1.03493	1.00106	0.93678				
	0.95617						AVRG		1.04176	11.85912
24 Endrin Ketone	+++++	1.45978	1.18172	1.16327	1.10073	1.02677				
	1.04030						AVRG		1.16209	13.65558
26 Chlordane(1)	+++++	0.05803	0.05191	0.05257	0.04796	0.04730				
	0.04694						AVRG		0.05079	8.43458
(2)	0.08070	0.07879	0.07082	0.07141	0.06604	0.06496				
	0.06380						AVRG		0.07093	9.41996
(3)	0.22290	0.19143	0.18047	0.16790	0.14801	0.14802				
	0.14671						AVRG		0.17221	16.50467

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 18-JUN-2010 13:58
 End Cal Date : 19-AUG-2010 13:43
 Quant Method : ISTD
 Target Version : 4.12
 Integrator : Falcon
 Method file : \\Orgserv1\\ee\\chem\\GCEXT\\Pest10.i\\100819nb.b\\Pest10b.m
 Cal Date : 20-Oct-2010 11:00 Pest10.i

Compound	0.0005000	0.0010000	0.0050000	0.0100000	0.0500000	0.1000000	Curve	Coefficients		%RSD or R^2
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2
	0.2000000									
	Level 7									
(4)	+++++	0.16364	0.14525	0.14065	0.12500	0.12514				
	0.12484						AVRG		0.13742	11.37967
(5)	0.13646	0.13118	0.13311	0.13036	0.12129	0.12118				
	0.11699						AVRG		0.12722	5.75769
27 Toxaphene(1)	245128	332462	1094864	2139830	8931036	16516918				
	32555831						LINR	-0.87571	0.01398	0.99930
(2)	277652	741907	3365432	7970803	31910003	61231432				
	123960840						LINR	-0.31031	0.05331	0.99957
(3)	295789	759322	3296723	6723064	28580488	55720651				
	114799617						LINR	-0.11032	0.04929	0.99954
(4)	69998	281213	1544364	3088197	14399017	27257983				
	57369240						LINR	0.09107	0.02463	0.99906
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.31168	1.93251	1.67063	1.67521	1.57603	1.48850				
	1.49589						AVRG		1.73578	17.00077
\$ 25 Decachlorobiphenyl	+++++	1.42914	1.19632	1.17858	1.04984	0.97757				
	0.98095						AVRG		1.13540	15.15013

Alpha Analytical Labs

INITIAL CALIBRATION DATA

Start Cal Date : 18-JUN-2010 13:58
End Cal Date : 19-AUG-2010 13:43
Quant Method : ISTD
Target Version : 4.12
Integrator : Falcon
Method file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
Cal Date : 20-Oct-2010 11:00 Pest10.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N001.D
Lab Smp Id:
Inj Date : 19-AUG-2010 09:13
Operator : sh Inst ID: Pest10.i
Smp Info : +deg 608 3063
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD
Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
Als bottle: 1 QC Sample: DEGRADATION
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 4.12
Processing Host: ABN-3

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN (ug/mL)	FINAL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.947	1.941	(1.000)	28556166	0.02500		
14 4,4'-DDE	4.797	4.792	(2.463)	517190	3e-004	0.000318	
17 Endrin	5.151	5.146	(2.644)	63181741	0.04773	0.0477	
18 4,4'-DDD	5.219	5.214	(2.680)	236124	2e-004	0.000187	
20 4,4'-DDT	5.437	5.434	(2.792)	55831409	0.04494	0.0449	
21 Endrin Aldehyde	5.549	5.527	(2.849)	313558	0.00027	0.000270	
24 Endrin Ketone	6.084	6.074	(3.124)	713228	5e-004	0.000537	

DDT Degradation Percent = 1.331
Endrin Degradation Percent = 1.599

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N001.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

Calibration Date: 19-AUG-2010
Calibration Time: 14:21
Level:
Sample Type:

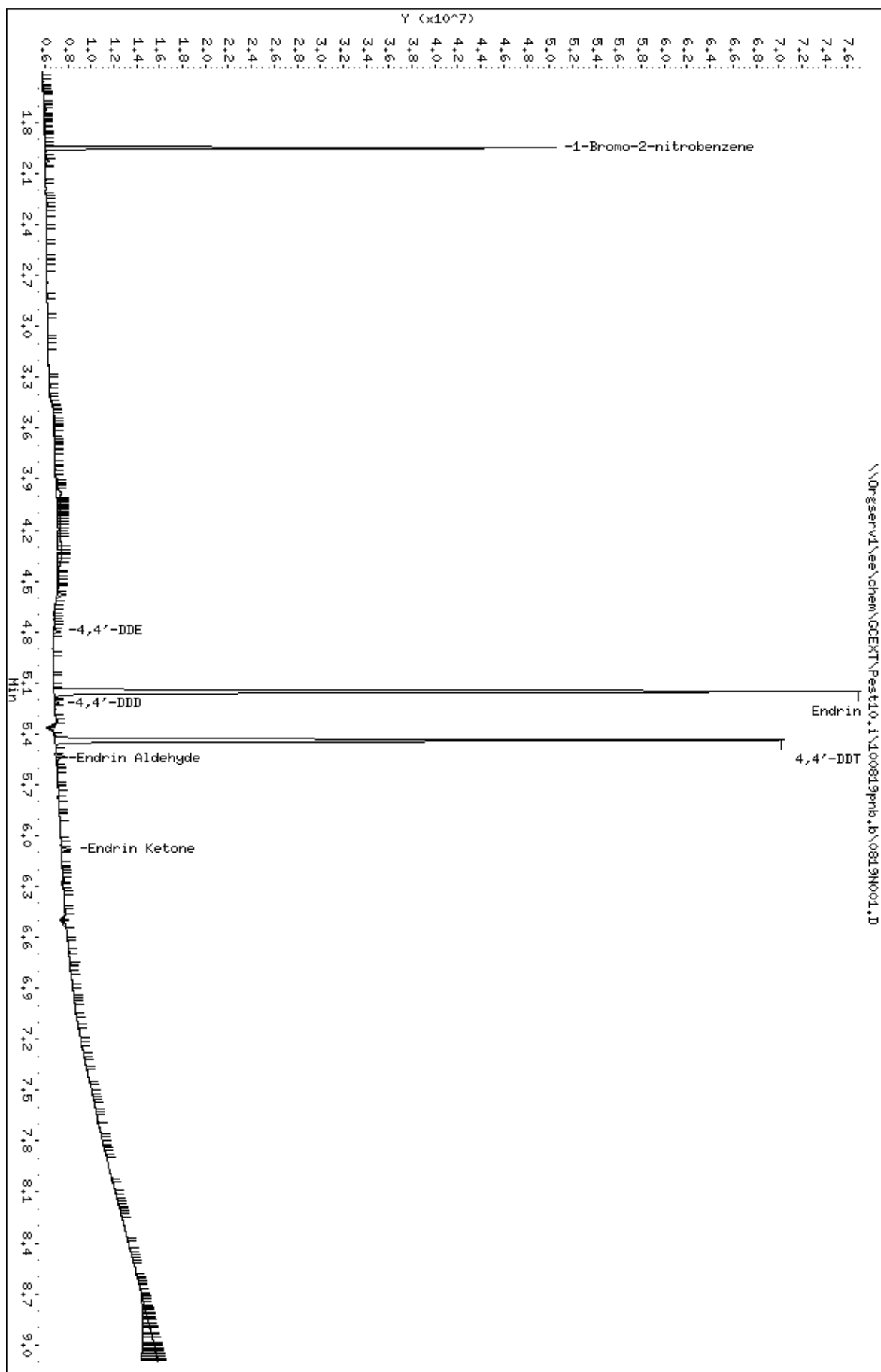
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29503569	14751785	59007138	28556166	-3.21

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.95	0.34

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N001.D
 Date : 19-AUG-2010 09:13
 Client ID:
 Sample Info: +deg 608 3063
 Column phase: Rtx-CLPestioideall

Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N001.D
Lab Smp Id:
Inj Date : 19-AUG-2010 09:13
Operator : sh
Smp Info : +deg 608 3063
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
Meth Date : 30-Aug-2010 18:05 Pest10.i
Cal Date : 19-AUG-2010 09:39
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.12
Processing Host: ABN-3

Inst ID: Pest10.i

Quant Type: ISTD
Cal File: 0819N003.D
QC Sample: DEGRADATION

Compound Sublist: deg.sub

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN (ug/mL)	FINAL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.947	1.941	(1.000)	28556166	0.02500	(M)	M2
14 4,4'-DDE	4.797	4.792	(2.310)	517190	3e-004	0.000318(M)	M2
17 Endrin	5.151	5.146	(2.526)	63181741	0.04773	0.0477(M)	M2
18 4,4'-DDD	5.219	5.214	(2.564)	236124	2e-004	0.000187(M)	M2
20 4,4'-DDT	5.437	5.434	(2.669)	55831409	0.04494	0.0449(M)	M2
21 Endrin Aldehyde	5.549	5.527	(2.761)	313558	3e-004	0.000288(M)	M2
24 Endrin Ketone	6.084	6.074	(3.044)	713228	5e-004	0.000537(M)	M2

DDT Degradation Percent = 1.331
Endrin Degradation Percent = 1.599

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N001.D Calibration Time: 14:08
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

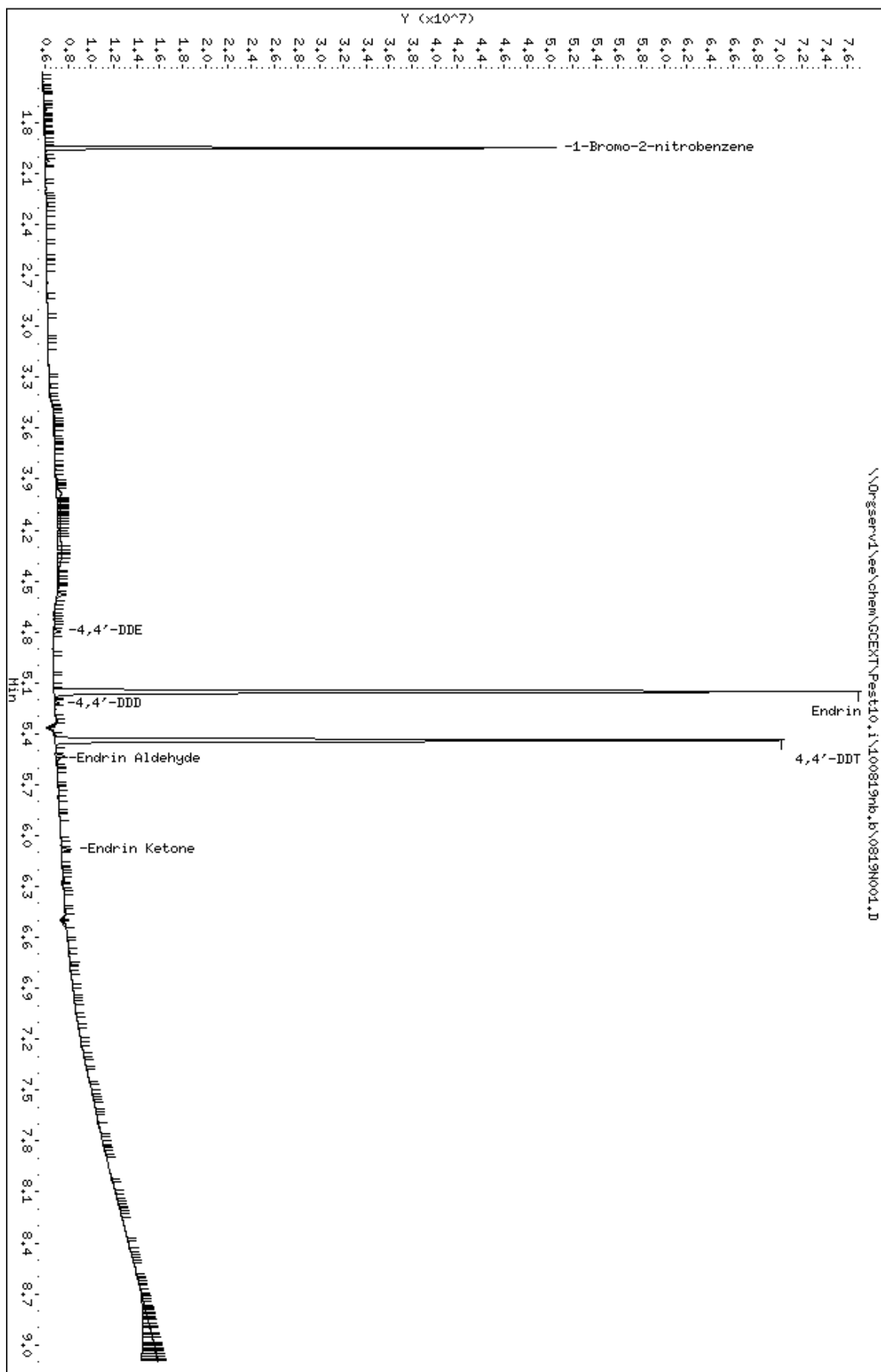
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	28830544	14415272	57661088	28556166	-0.95

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.95	0.33

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgera1\ee\chem\GC\EXT\Pest10.i\100819nb.b\0819N001.D
 Date : 19-AUG-2010 09:13
 Client ID:
 Sample Info: +deg 608 3063
 Column phase: Rtx-CLPestioideall

Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N002.D
Lab Smp Id:
Inj Date : 19-AUG-2010 09:26
Operator : sh Inst ID: Pest10.i
Smp Info : pest l1 3065
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD
Cal Date : 19-AUG-2010 09:26 Cal File: 0819N002.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pestical.sub
Target Version: 4.12
Processing Host: ABN-3

						AMOUNTS		REVIEW CODE
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====		=====	=====	=====	=====	=====	=====	=====
* 1	1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	26775586	0.02500		
\$ 2	2,4,5,6-Tetrachloro-m-xylene	2.543	2.543	(1.310)	1237931	0.00050	0.000666	
	3 Hexachlorobenzene	2.893	2.893	(1.490)	1455468	0.00050	0.000757	
	4 alpha-BHC	2.998	2.998	(1.544)	1146681	0.00050	0.000654	
	5 Lindane	3.281	3.281	(1.690)	1105561	0.00050	0.000689	
	6 beta-BHC	3.343	3.343	(1.722)	550233	0.00050	0.000716	
	7 delta-BHC	3.593	3.593	(1.851)	1013522	0.00050	0.000626	
	8 Heptachlor	3.656	3.656	(1.883)	1102624	0.00050	0.000680	
10	Alachlor	3.833	3.833	(1.974)	220250	0.00050	0.000772	
	9 Aldrin	3.939	3.939	(2.029)	937601	0.00050	0.000598	
	11 Heptachlor Epoxide	4.409	4.409	(2.271)	1255177	0.00050	0.000836	
	12 trans-Chlordane	4.558	4.558	(2.348)	1298636	0.00050	0.000794	
	13 cis-Chlordane	4.671	4.671	(2.406)	1109801	0.00050	0.000774	
	15 Endosulfan I	4.718	4.718	(2.430)	1113838	0.00050	0.000834	
	14 4,4'-DDE	4.793	4.793	(2.469)	1125930	0.00050	0.000738	
	16 Dieldrin	4.923	4.923	(2.536)	1012768	0.00050	0.000669	
	17 Endrin	5.146	5.146	(2.651)	823453	0.00050	0.000664	
	18 4,4'-DDD	5.214	5.214	(2.686)	725697	0.00050	0.000613	
	19 Endosulfan II	5.294	5.294	(2.727)	802893	0.00050	0.000694	
	20 4,4'-DDT	5.434	5.434	(2.799)	768840	0.00050	0.000660	
	21 Endrin Aldehyde	5.528	5.528	(2.847)	1149974	0.00050	0.00113	
	23 Endosulfan Sulfate	5.716	5.716	(2.944)	706707	0.00050	0.000633	
	22 Methoxychlor	5.893	5.893	(3.035)	429617	0.00050	0.000694	
	24 Endrin Ketone	6.076	6.076	(3.130)	860022	0.00050	0.000691	
\$ 25	Decachlorobiphenyl	6.856	6.856	(3.532)	869075	0.00050	0.000715	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N002.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

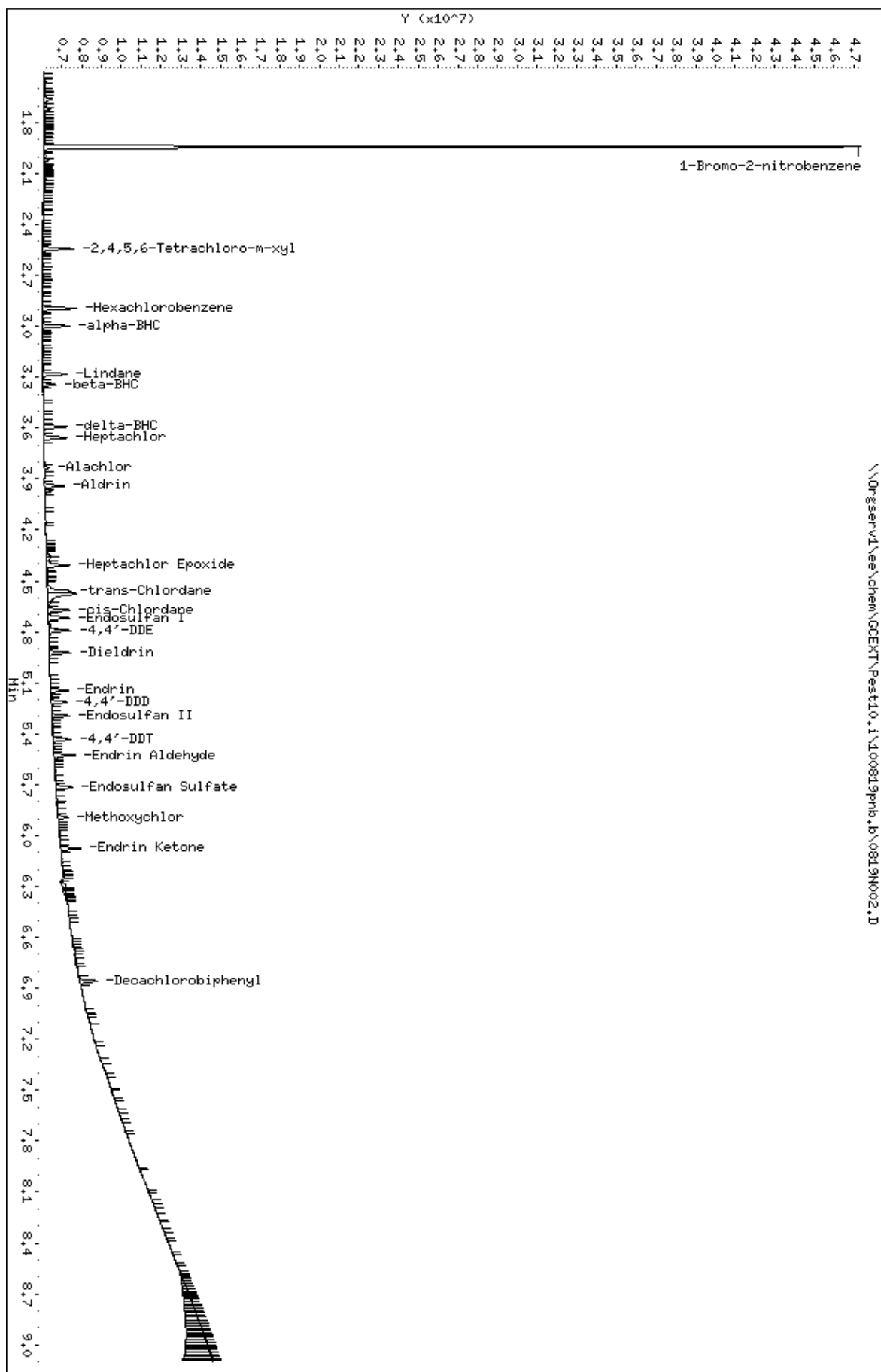
Calibration Date: 19-AUG-2010
Calibration Time: 14:21
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29503569	14751785	59007138	26775586	-9.25

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N002.D
 Date : 19-AUG-2010 09:26
 Client ID:
 Sample Info: pest 11 3065
 Column phase: RtX-CLPesticidesII
 Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N002.D
Lab Smp Id:
Inj Date : 19-AUG-2010 09:26
Operator : sh Inst ID: Pest10.i
Smp Info : pest l1 3065
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
Meth Date : 30-Aug-2010 15:52 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pestical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	26775586	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.543	2.543	(1.310)	1237931	0.00050	0.000666	
3 Hexachlorobenzene	2.893	2.893	(1.490)	1455468	0.00050	0.000757	
4 alpha-BHC	2.998	2.998	(1.544)	1146681	0.00050	0.000654	
5 Lindane	3.281	3.281	(1.690)	1017366	0.00050	0.000634(M)	M4
6 beta-BHC	3.343	3.343	(1.722)	550233	0.00050	0.000716	
7 delta-BHC	3.593	3.593	(1.851)	1013522	0.00050	0.000626	
8 Heptachlor	3.656	3.656	(1.883)	1102624	0.00050	0.000680	
10 Alachlor	3.833	3.833	(1.974)	171194	0.00050	0.000600(M)	M4
9 Aldrin	3.939	3.939	(2.029)	937601	0.00050	0.000598	
11 Heptachlor Epoxide	4.409	4.409	(2.271)	1255177	0.00050	0.000836	
12 trans-Chlordane	4.558	4.558	(2.348)	1298636	0.00050	0.000794	
13 cis-Chlordane	4.671	4.671	(2.406)	1109801	0.00050	0.000774	
15 Endosulfan I	4.718	4.718	(2.430)	1113838	0.00050	0.000834	
14 4,4'-DDE	4.793	4.793	(2.469)	1125930	0.00050	0.000738	
16 Dieldrin	4.923	4.923	(2.536)	1012768	0.00050	0.000669	
17 Endrin	5.146	5.146	(2.651)	823453	0.00050	0.000664	
18 4,4'-DDD	5.214	5.214	(2.686)	725697	0.00050	0.000613	
19 Endosulfan II	5.294	5.294	(2.727)	802893	0.00050	0.000694	
20 4,4'-DDT	5.434	5.434	(2.799)	768840	0.00050	0.000660	
21 Endrin Aldehyde	5.528	5.528	(2.847)	821847	0.00050	0.000806(M)	M4
23 Endosulfan Sulfate	5.716	5.716	(2.944)	706707	0.00050	0.000633	
22 Methoxychlor	5.893	5.893	(3.035)	429617	0.00050	0.000694	
24 Endrin Ketone	6.076	6.076	(3.130)	860022	0.00050	0.000691	
\$ 25 Decachlorobiphenyl	6.856	6.856	(3.532)	869075	0.00050	0.000715	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

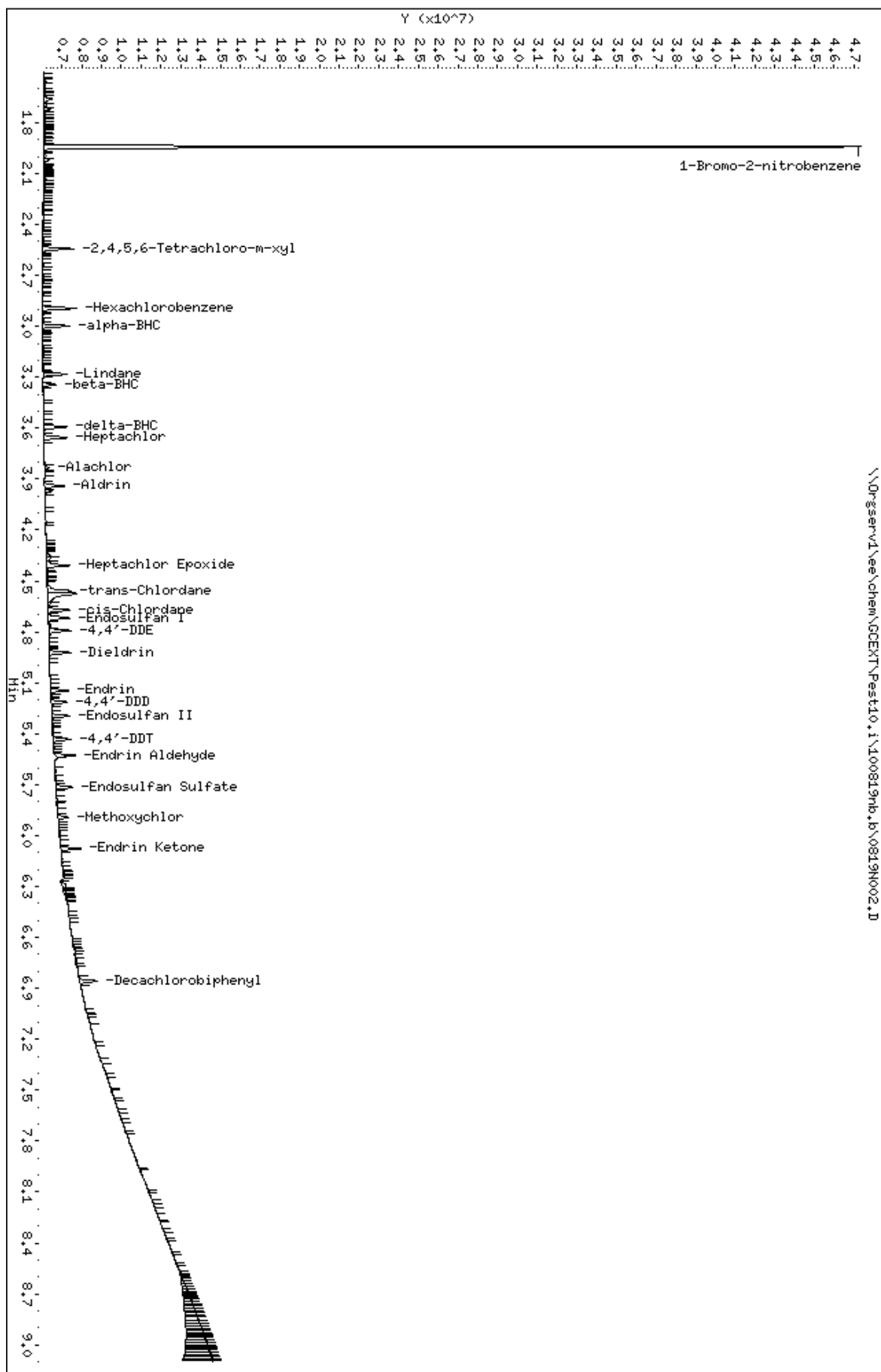
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N002.D Calibration Time: 13:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	28291360	14145680	56582720	26775586	-5.36

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.05

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\rd\ee\chem\GCEXT\Pest10.i\100819nb.p\0819N002.D
 Date : 19-AUG-2010 09:26
 Client ID:
 Sample Info: pest 11 3065
 Column phase: RtX-CLPesticidesII
 Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N003.D
Lab Smp Id:
Inj Date : 19-AUG-2010 09:39
Operator : sh Inst ID: Pest10.i
Smp Info : pest l2 3077
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD
Cal Date : 19-AUG-2010 09:39 Cal File: 0819N003.D
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pestical.sub
Target Version: 4.12
Processing Host: ABN-3

						AMOUNTS		REVIEW CODE
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====		====	=====	=====	=====	=====	=====	=====
* 1	1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	26259523	0.02500		
\$ 2	2,4,5,6-Tetrachloro-m-xylene	2.542	2.542	(1.310)	2029868	0.00100	0.00111	
3	Hexachlorobenzene	2.892	2.892	(1.490)	2372658	0.00100	0.00126	
4	alpha-BHC	2.996	2.996	(1.543)	1897402	0.00100	0.00110	
5	Lindane	3.281	3.281	(1.690)	1807402	0.00100	0.00115	
6	beta-BHC	3.342	3.342	(1.722)	919768	0.00100	0.00122	
7	delta-BHC	3.592	3.592	(1.851)	1758128	0.00100	0.00111	
8	Heptachlor	3.654	3.654	(1.883)	1924647	0.00100	0.00121	
10	Alachlor	3.832	3.832	(1.974)	392077	0.00100	0.00136	
9	Aldrin	3.939	3.939	(2.029)	1658519	0.00100	0.00108	
11	Heptachlor Epoxide	4.409	4.409	(2.271)	1955942	0.00100	0.00133	
12	trans-Chlordane	4.557	4.557	(2.348)	2111327	0.00100	0.00132	
13	cis-Chlordane	4.671	4.671	(2.406)	1707405	0.00100	0.00121	
15	Endosulfan I	4.716	4.716	(2.429)	1619373	0.00100	0.00124	
14	4,4'-DDE	4.791	4.791	(2.468)	1730103	0.00100	0.00116	
16	Dieldrin	4.922	4.922	(2.536)	1654996	0.00100	0.00111	
17	Endrin	5.146	5.146	(2.651)	1392213	0.00100	0.00114	
18	4,4'-DDD	5.212	5.212	(2.685)	1237603	0.00100	0.00107	
19	Endosulfan II	5.294	5.294	(2.727)	1373267	0.00100	0.00121	
20	4,4'-DDT	5.432	5.432	(2.799)	1374355	0.00100	0.00120	
21	Endrin Aldehyde	5.526	5.526	(2.847)	1622430	0.00100	0.00152	
23	Endosulfan Sulfate	5.714	5.714	(2.944)	1343393	0.00100	0.00123	
22	Methoxychlor	5.891	5.891	(3.035)	787290	0.00100	0.00130	
24	Endrin Ketone	6.074	6.074	(3.129)	1533323	0.00100	0.00126	
\$ 25	Decachlorobiphenyl	6.837	6.837	(3.522)	1501137	0.00100	0.00126	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N003.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

Calibration Date: 19-AUG-2010
Calibration Time: 14:21
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29503569	14751785	59007138	26259523	-11.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 19-AUG-2010 09:39

Client ID:

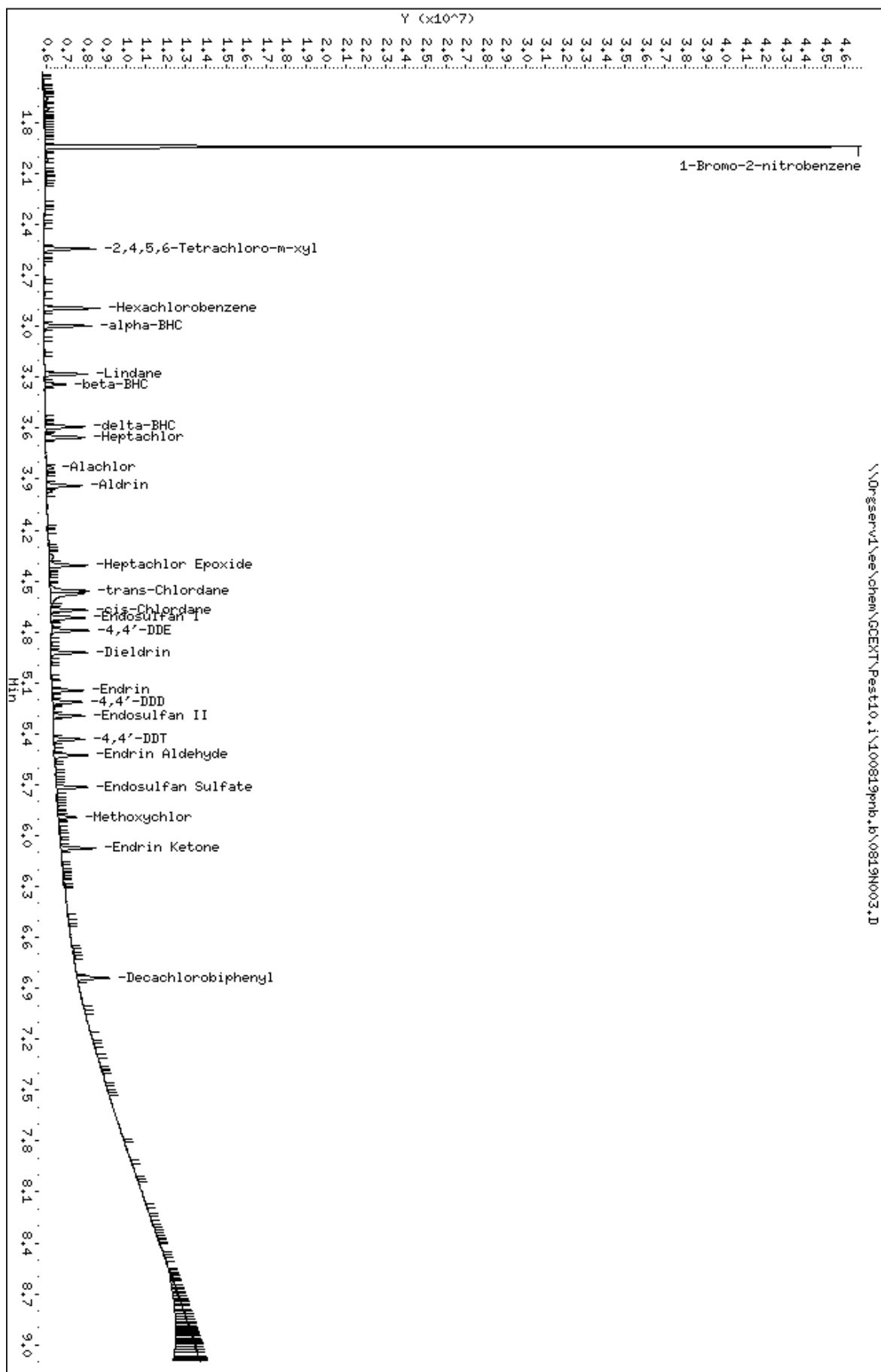
Sample Info: pest 12 3077

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

Column phase: Rtx-CLPest10desII



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N003.D
Lab Smp Id:
Inj Date : 19-AUG-2010 09:39
Operator : sh Inst ID: Pest10.i
Smp Info : pest l2 3077
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 09:39 Cal File: 0819N003.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pestical.sub
Target Version: 4.12

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	26259523	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.542	2.543	(1.310)	2029868	0.05000	0.00111	
3 Hexachlorobenzene	2.892	2.893	(1.490)	2372658	0.05000	0.00126	
4 alpha-BHC	2.996	2.996	(1.543)	1897402	0.05000	0.00110	
5 Lindane	3.281	3.281	(1.690)	1807402	0.05000	0.00115	
6 beta-BHC	3.342	3.343	(1.722)	919768	0.05000	0.00122	
7 delta-BHC	3.592	3.593	(1.851)	1758128	0.05000	0.00111	
8 Heptachlor	3.654	3.655	(1.883)	1924647	0.05000	0.00121	
10 Alachlor	3.832	3.831	(1.974)	346277	0.05000	0.00124(M)	M4
9 Aldrin	3.939	3.940	(2.029)	1658519	0.05000	0.00108	
11 Heptachlor Epoxide	4.409	4.410	(2.271)	1629790	0.05000	0.00111(M)	M4
12 trans-Chlordane	4.557	4.558	(2.348)	1976472	0.05000	0.00123(M)	M4
13 cis-Chlordane	4.671	4.671	(2.406)	1707405	0.05000	0.00121	
15 Endosulfan I	4.716	4.716	(2.429)	1619373	0.05000	0.00124	
14 4,4'-DDE	4.791	4.791	(2.468)	1730103	0.05000	0.00116	
16 Dieldrin	4.922	4.923	(2.536)	1654996	0.05000	0.00111	
17 Endrin	5.146	5.145	(2.651)	1392213	0.05000	0.00114	
18 4,4'-DDD	5.212	5.213	(2.685)	1237603	0.05000	0.00107	
19 Endosulfan II	5.294	5.295	(2.727)	1373267	0.05000	0.00121	
20 4,4'-DDT	5.432	5.433	(2.799)	1374355	0.05000	0.00120	
21 Endrin Aldehyde	5.526	5.528	(2.847)	1221701	0.05000	0.00122(MH)	M4
23 Endosulfan Sulfate	5.714	5.715	(2.944)	1343393	0.05000	0.00123	
22 Methoxychlor	5.891	5.891	(3.035)	787290	0.05000	0.00130	
24 Endrin Ketone	6.074	6.075	(3.129)	1533323	0.05000	0.00126	
\$ 25 Decachlorobiphenyl	6.837	6.851	(3.522)	1501137	0.05000	0.00126	

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N003.D Calibration Time: 09:26
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	26775586	13387793	53551172	26259523	-1.93

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 19-AUG-2010 09:39

Client ID:

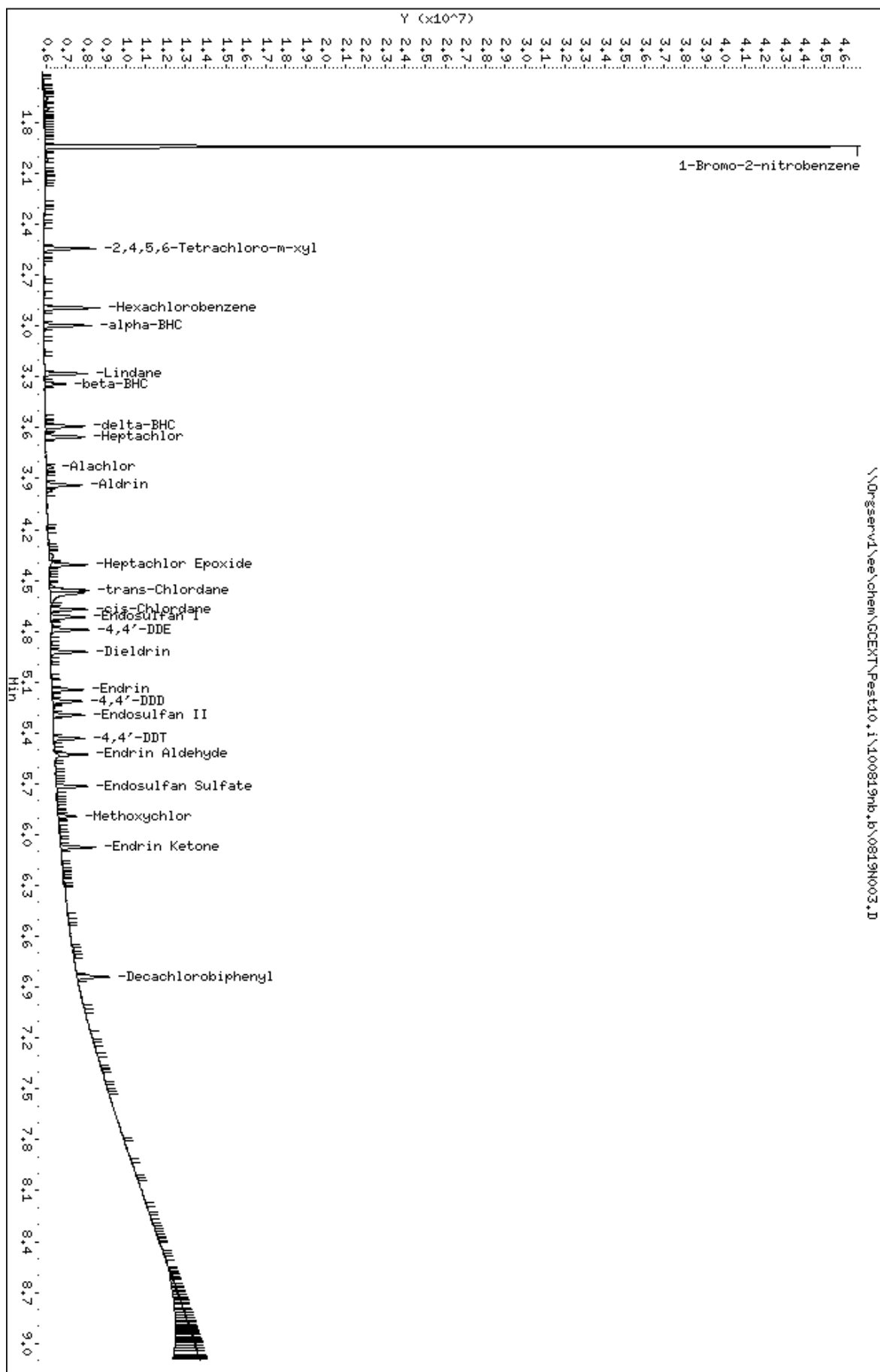
Sample Info: pest 12 3077

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

Column phase: Rtx-CLPest10idesII



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N004.D

Lab Smp Id:

Inj Date : 19-AUG-2010 09:52

Operator : sh

Inst ID: Pest10.i

Smp Info : pest l3 3067

Misc Info : wg423905, wg423871, ICAL5202

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m

Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD

Cal Date : 19-AUG-2010 09:52

Cal File: 0819N004.D

Als bottle: 4

Calibration Sample, Level: 3

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

Processing Host: ABN-3

						AMOUNTS		REVIEW CODE
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====		=====	=====	=====	=====	=====	=====	=====
* 1	1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	27987423	0.02500		
\$ 2	2,4,5,6-Tetrachloro-m-xylene	2.542	2.542	(1.310)	9351304	0.00500	0.00481	
3	Hexachlorobenzene	2.892	2.892	(1.490)	10565453	0.00500	0.00526	
4	alpha-BHC	2.997	2.997	(1.544)	8968569	0.00500	0.00489	
5	Lindane	3.281	3.281	(1.690)	8348111	0.00500	0.00498	
6	beta-BHC	3.342	3.342	(1.722)	4219757	0.00500	0.00525	
7	delta-BHC	3.592	3.592	(1.851)	8274039	0.00500	0.00489	
8	Heptachlor	3.654	3.654	(1.883)	8448371	0.00500	0.00499	
10	Alachlor	3.832	3.832	(1.974)	1584470	0.00500	0.00514	
9	Aldrin	3.939	3.939	(2.029)	7753187	0.00500	0.00473	
11	Heptachlor Epoxide	4.409	4.409	(2.272)	7866345	0.00500	0.00501	
12	trans-Chlordane	4.557	4.557	(2.348)	9418446	0.00500	0.00551	
13	cis-Chlordane	4.671	4.671	(2.406)	7549839	0.00500	0.00504	
15	Endosulfan I	4.717	4.717	(2.430)	6995693	0.00500	0.00501	
14	4,4'-DDE	4.792	4.792	(2.469)	7836098	0.00500	0.00491	
16	Dieldrin	4.922	4.922	(2.536)	7398530	0.00500	0.00468	
17	Endrin	5.146	5.146	(2.651)	6383381	0.00500	0.00492	
18	4,4'-DDD	5.212	5.212	(2.685)	5891446	0.00500	0.00476	
19	Endosulfan II	5.294	5.294	(2.727)	6140498	0.00500	0.00508	
20	4,4'-DDT	5.432	5.432	(2.799)	5989040	0.00500	0.00492	
21	Endrin Aldehyde	5.527	5.527	(2.848)	5660187	0.00500	0.00498	
23	Endosulfan Sulfate	5.714	5.714	(2.944)	5836215	0.00500	0.00500	
22	Methoxychlor	5.891	5.891	(3.035)	3390669	0.00500	0.00524	
24	Endrin Ketone	6.074	6.074	(3.129)	6614642	0.00500	0.00508	
\$ 25	Decachlorobiphenyl	6.839	6.839	(3.523)	6696404	0.00500	0.00527	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N004.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

Calibration Date: 19-AUG-2010
Calibration Time: 14:21
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29503569	14751785	59007138	27987423	-5.14

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 19-AUG-2010 09:52

Client ID:

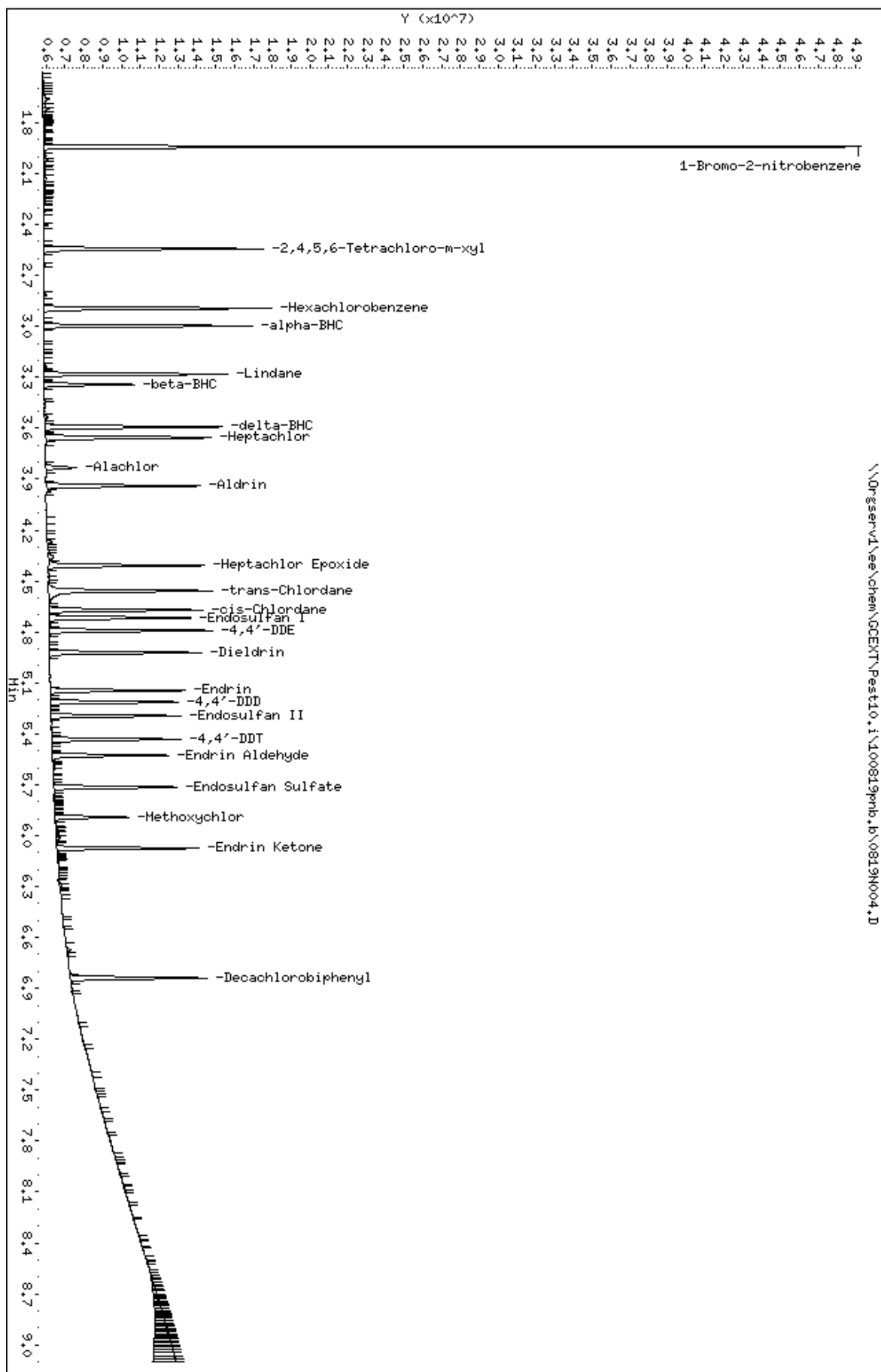
Sample Info: pest 13 3067

Instrument: Pest10.i

Column phase: Rtx-CLPestioideall

Operator: sh

Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N004.D

Lab Smp Id:

Inj Date : 19-AUG-2010 09:52

Operator : sh

Inst ID: Pest10.i

Smp Info : pest l3 3067

Misc Info : wg423905, wg423871, ICAL5202

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m

Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD

Cal Date : 19-AUG-2010 09:52

Cal File: 0819N004.D

Als bottle: 4

Calibration Sample, Level: 3

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

Processing Host: ABN-3

						AMOUNTS		REVIEW CODE
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====		=====	=====	=====	=====	=====	=====	=====
*	1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	27987423	0.02500		
\$	2 2,4,5,6-Tetrachloro-m-xylene	2.542	2.542	(1.310)	9351304	0.00500	0.00481	
	3 Hexachlorobenzene	2.892	2.892	(1.490)	10565453	0.00500	0.00526	
	4 alpha-BHC	2.997	2.997	(1.544)	8968569	0.00500	0.00489	
	5 Lindane	3.281	3.281	(1.690)	8348111	0.00500	0.00498	
	6 beta-BHC	3.342	3.342	(1.722)	4219757	0.00500	0.00525	
	7 delta-BHC	3.592	3.592	(1.851)	8274039	0.00500	0.00489	
	8 Heptachlor	3.654	3.654	(1.883)	8448371	0.00500	0.00499	
10	Alachlor	3.832	3.832	(1.974)	1584470	0.00500	0.00514	
	9 Aldrin	3.939	3.939	(2.029)	7753187	0.00500	0.00473	
11	Heptachlor Epoxide	4.409	4.409	(2.272)	7866345	0.00500	0.00501	
12	trans-Chlordane	4.557	4.557	(2.348)	9418446	0.00500	0.00551	
13	cis-Chlordane	4.671	4.671	(2.406)	7549839	0.00500	0.00504	
15	Endosulfan I	4.717	4.717	(2.430)	6995693	0.00500	0.00501	
14	4,4'-DDE	4.792	4.792	(2.469)	7836098	0.00500	0.00491	
16	Dieldrin	4.922	4.922	(2.536)	7398530	0.00500	0.00468	
17	Endrin	5.146	5.146	(2.651)	6383381	0.00500	0.00492	
18	4,4'-DDD	5.212	5.212	(2.685)	5891446	0.00500	0.00476	
19	Endosulfan II	5.294	5.294	(2.727)	6140498	0.00500	0.00508	
20	4,4'-DDT	5.432	5.432	(2.799)	5989040	0.00500	0.00492	
21	Endrin Aldehyde	5.527	5.527	(2.848)	5660187	0.00500	0.00498	
23	Endosulfan Sulfate	5.714	5.714	(2.944)	5836215	0.00500	0.00500	
22	Methoxychlor	5.891	5.891	(3.035)	3390669	0.00500	0.00524	
24	Endrin Ketone	6.074	6.074	(3.129)	6614642	0.00500	0.00508	
\$	25 Decachlorobiphenyl	6.839	6.839	(3.523)	6696404	0.00500	0.00527	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N004.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

Calibration Date: 19-AUG-2010
Calibration Time: 14:21
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29503569	14751785	59007138	27987423	-5.14

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 19-AUG-2010 09:52

Client ID:

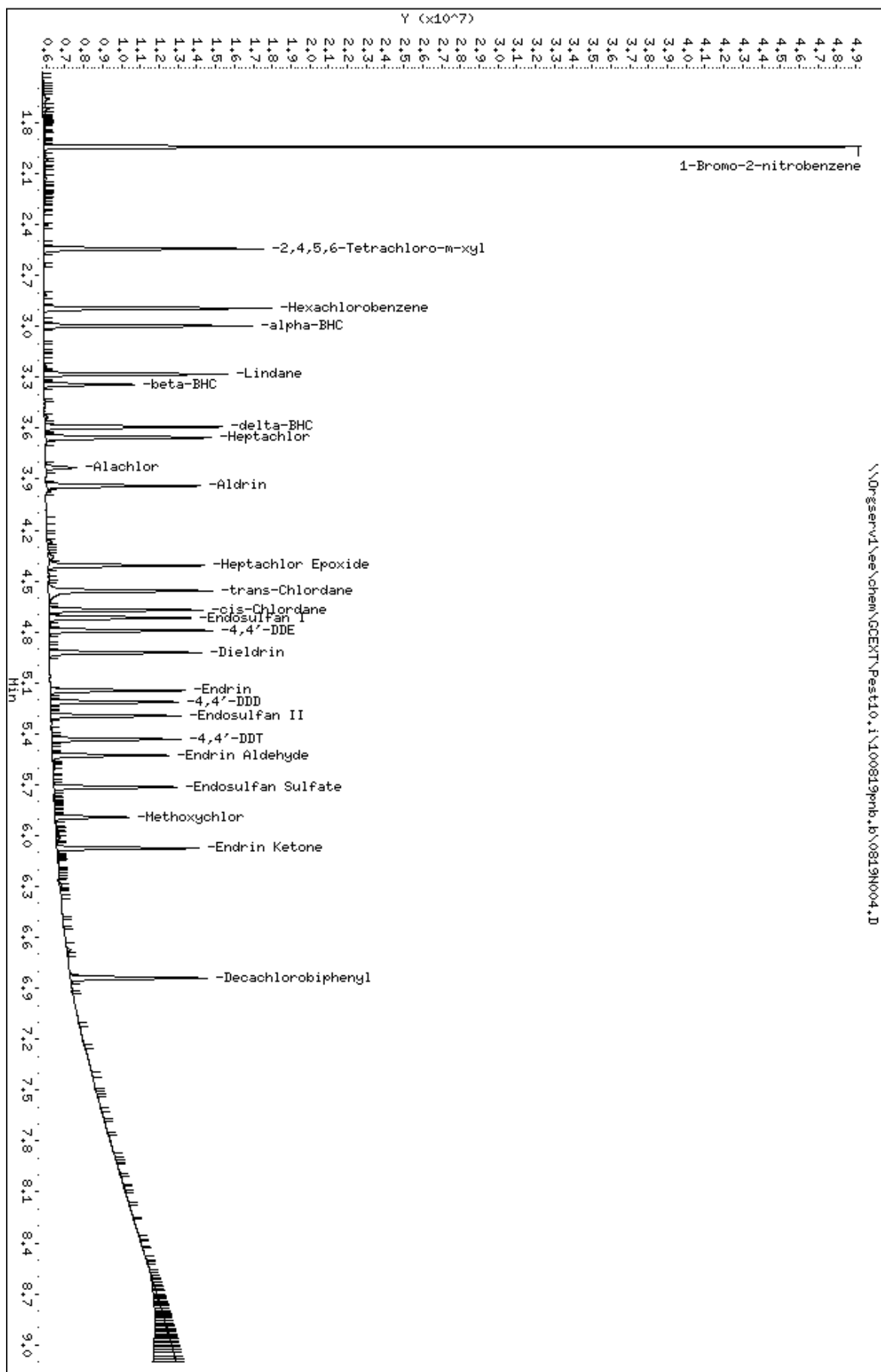
Sample Info: pest 13 3067

Instrument: Pest10.i

Column phase: Rtx-CLPestioideall

Operator: sh

Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N005.D

Lab Smp Id:

Inj Date : 19-AUG-2010 10:05

Operator : sh

Inst ID: Pest10.i

Smp Info : pest l4 3068

Misc Info : wg423905, wg423871, ICAL5202

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m

Meth Date : 30-Aug-2010 18:05 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 10:05

Cal File: 0819N005.D

Als bottle: 5

Calibration Sample, Level: 4

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

						AMOUNTS		REVIEW CODE
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====		====	=====	=====	=====	=====	=====	=====
* 1	1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	28486914	0.02500	(M)	M2
\$ 2	2,4,5,6-Tetrachloro-m-xylene	2.542	2.543	(1.257)	19088620	0.01000	0.00965(M)	M2
	3 Hexachlorobenzene	2.894	2.894	(1.393)	20925723	0.01000	0.0102(M)	M2
	4 alpha-BHC	2.997	2.997	(1.454)	18721653	0.01000	0.0100(M)	M2
	5 Lindane	3.282	3.282	(1.569)	17144572	0.01000	0.0100(M)	M2
	6 beta-BHC	3.342	3.342	(1.613)	8435318	0.01000	0.0103(M)	M2
	7 delta-BHC	3.592	3.592	(1.671)	17258659	0.01000	0.0100(M)	M2
	8 Heptachlor	3.656	3.656	(1.763)	17372046	0.01000	0.0101(M)	M2
10	Alachlor	3.832	3.832	(1.932)	3176674	0.01000	0.0105(M)	M2
	9 Aldrin	3.939	3.939	(1.863)	16235229	0.01000	0.00973(M)	M2
	11 Heptachlor Epoxide	4.409	4.409	(2.152)	15996684	0.01000	0.0100(M)	M2
	12 trans-Chlordane	4.557	4.557	(2.214)	17603125	0.01000	0.0101(M)	M2
	13 cis-Chlordane	4.671	4.671	(2.269)	15364000	0.01000	0.0101(M)	M2
	15 Endosulfan I	4.717	4.717	(2.309)	14316696	0.01000	0.0101(M)	M2
	14 4,4'-DDE	4.792	4.792	(2.305)	16306971	0.01000	0.0100(M)	M2
	16 Dieldrin	4.922	4.922	(2.430)	15235736	0.01000	0.00946(M)	M2
	17 Endrin	5.146	5.146	(2.540)	13226563	0.01000	0.0100(M)	M2
	18 4,4'-DDD	5.214	5.214	(2.570)	12348378	0.01000	0.00981(M)	M2
	19 Endosulfan II	5.294	5.294	(2.629)	12548460	0.01000	0.0102(M)	M2
	20 4,4'-DDT	5.434	5.434	(2.671)	12290101	0.01000	0.00992(M)	M2
	21 Endrin Aldehyde	5.527	5.527	(2.743)	10979085	0.01000	0.0101(MH)	M2
	23 Endosulfan Sulfate	5.716	5.716	(2.951)	11792780	0.01000	0.00993(M)	M2
	22 Methoxychlor	5.891	5.891	(2.868)	6695556	0.01000	0.0102(M)	M2
	24 Endrin Ketone	6.074	6.074	(3.081)	13255144	0.01000	0.0100(M)	M2
\$ 25	Decachlorobiphenyl	6.842	6.848	(3.404)	13429687	0.01000	0.0104(M)	M2

QC Flag Legend

M - Compound response manually integrated.

H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N005.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

Calibration Date: 19-AUG-2010
Calibration Time: 14:08
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	28830544	14415272	57661088	28486914	-1.19

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCENT\Pest10.i\100819nb.b\0819N005.D

Date : 19-AUG-2010 10:05

Client ID:

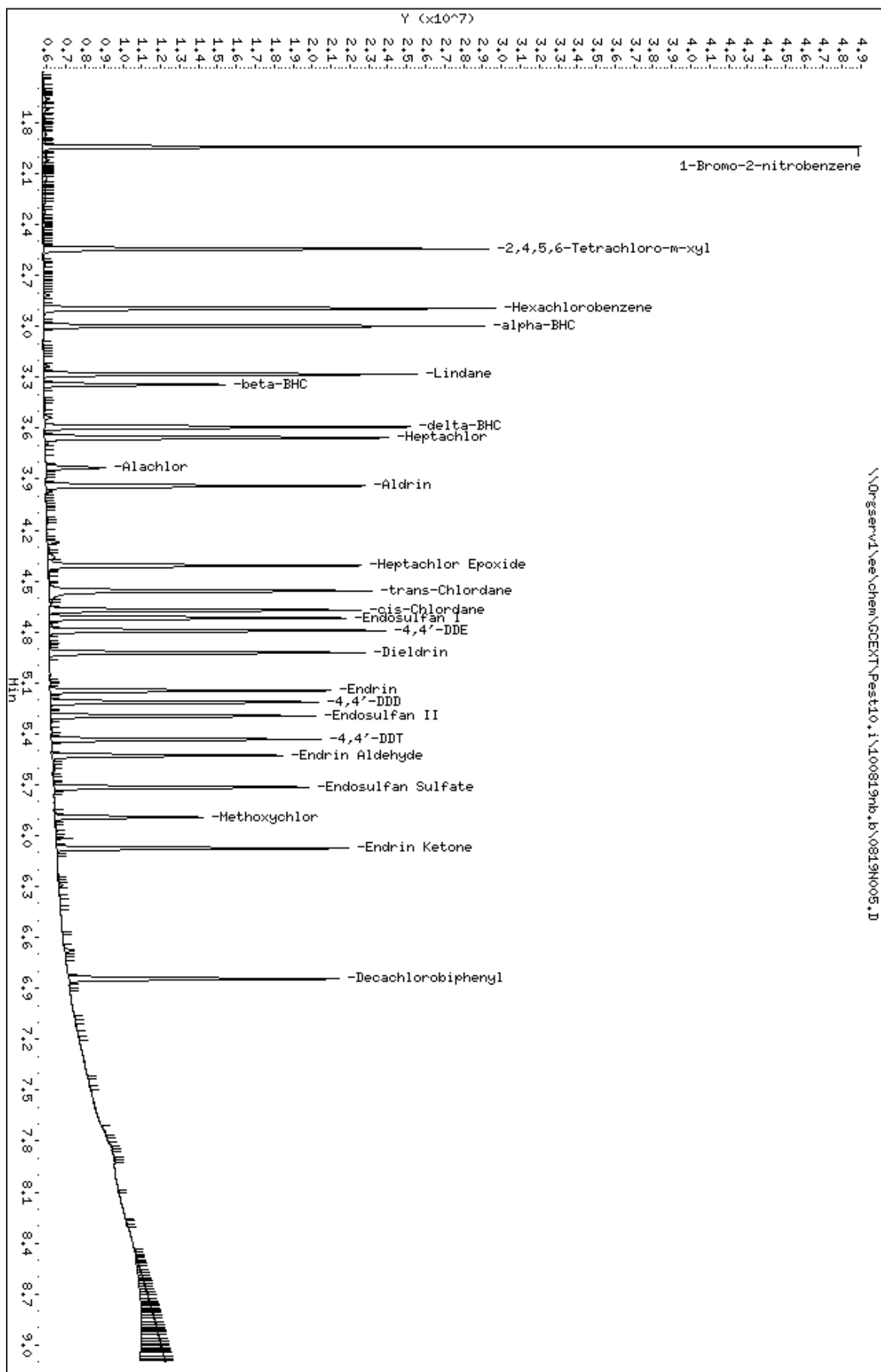
Sample Info: pest 14 3068

Column phase: Rtx-CLPesticidesII

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N006.D
Lab Smp Id:
Inj Date : 19-AUG-2010 10:17
Operator : sh Inst ID: Pest10.i
Smp Info : pest l5 3069
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:05 Cal File: 0819N005.D
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pestical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	29535521	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.544	2.544	(1.310)	93098019	0.05000	0.0454	
3 Hexachlorobenzene	2.894	2.894	(1.490)	98397303	0.05000	0.0464	
4 alpha-BHC	2.997	2.997	(1.543)	96287428	0.05000	0.0498	
5 Lindane	3.282	3.282	(1.690)	86665674	0.05000	0.0490	
6 beta-BHC	3.344	3.344	(1.722)	40093306	0.05000	0.0473	
7 delta-BHC	3.594	3.594	(1.850)	89060652	0.05000	0.0499	
8 Heptachlor	3.655	3.655	(1.882)	85990794	0.05000	0.0481	
10 Alachlor	3.832	3.832	(1.973)	14115066	0.05000	0.0448	
9 Aldrin	3.940	3.940	(2.029)	83311771	0.05000	0.0482	
11 Heptachlor Epoxide	4.410	4.410	(2.271)	77072285	0.05000	0.0465	
12 trans-Chlordane	4.559	4.559	(2.347)	81661165	0.05000	0.0453	
13 cis-Chlordane	4.672	4.672	(2.405)	76144222	0.05000	0.0481	
15 Endosulfan I	4.717	4.717	(2.429)	70624371	0.05000	0.0480	
14 4,4'-DDE	4.792	4.792	(2.467)	82997007	0.05000	0.0493	
16 Dieldrin	4.924	4.924	(2.535)	76991951	0.05000	0.0461	
17 Endrin	5.147	5.147	(2.650)	67611892	0.05000	0.0494	
18 4,4'-DDD	5.214	5.214	(2.684)	62464013	0.05000	0.0478	
19 Endosulfan II	5.295	5.295	(2.726)	61394232	0.05000	0.0481	
20 4,4'-DDT	5.434	5.434	(2.797)	62205780	0.05000	0.0484	
21 Endrin Aldehyde	5.529	5.529	(2.846)	52679338	0.05000	0.0468(H)	
23 Endosulfan Sulfate	5.715	5.715	(2.942)	59133616	0.05000	0.0480	
22 Methoxychlor	5.892	5.892	(3.033)	31779427	0.05000	0.0465	
24 Endrin Ketone	6.075	6.075	(3.128)	65021349	0.05000	0.0474	
\$ 25 Decachlorobiphenyl	6.839	6.839	(3.521)	62015297	0.05000	0.0462	

QC Flag Legend

H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

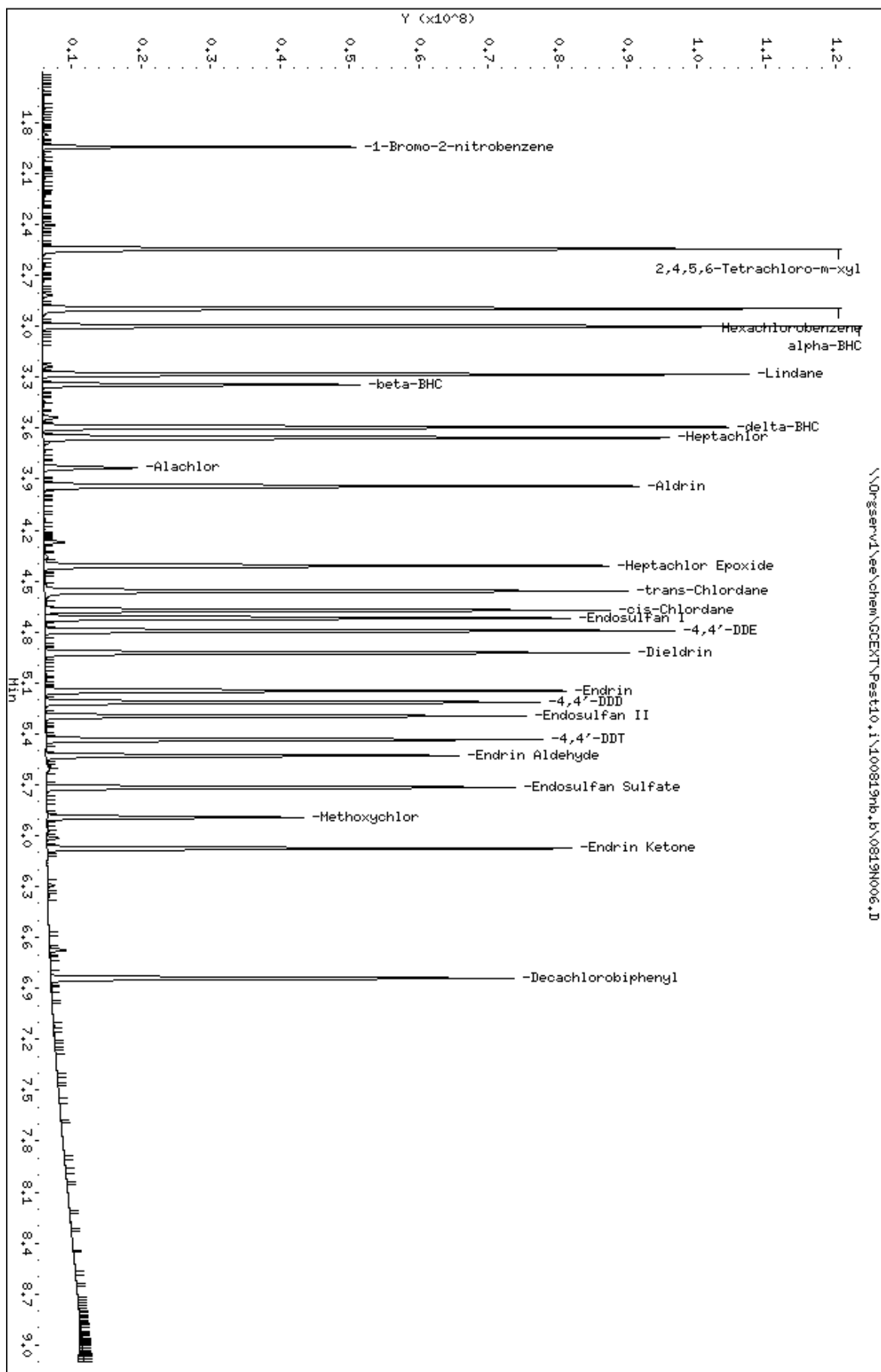
Instrument ID: Pest10.i
Lab File ID: 0819N006.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

Calibration Date: 19-AUG-2010
Calibration Time: 10:17
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29535521	14767761	59071042	29535521	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N007.D
Lab Smp Id:
Inj Date : 19-AUG-2010 10:30
Operator : sh Inst ID: Pest10.i
Smp Info : pest l6 3070
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:17 Cal File: 0819N006.D
Als bottle: 7 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pestical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	28383560	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.544	2.544	(1.310)	168995366	0.10000	0.0858	
3 Hexachlorobenzene	2.894	2.894	(1.490)	176645964	0.10000	0.0867	
4 alpha-BHC	2.997	2.997	(1.543)	176656188	0.10000	0.0950	
5 Lindane	3.282	3.282	(1.690)	157911304	0.10000	0.0928	
6 beta-BHC	3.344	3.344	(1.722)	71440162	0.10000	0.0877	
7 delta-BHC	3.594	3.594	(1.850)	162001373	0.10000	0.0945	
8 Heptachlor	3.655	3.655	(1.882)	155806986	0.10000	0.0907	
10 Alachlor	3.832	3.832	(1.973)	22918848	0.10000	0.0758	
9 Aldrin	3.939	3.939	(2.028)	151660931	0.10000	0.0912	
11 Heptachlor Epoxide	4.410	4.410	(2.271)	137609914	0.10000	0.0864	
12 trans-Chlordane	4.557	4.557	(2.346)	143614408	0.10000	0.0828	
13 cis-Chlordane	4.672	4.672	(2.405)	136397062	0.10000	0.0897	
15 Endosulfan I	4.717	4.717	(2.429)	126347008	0.10000	0.0893	
14 4,4'-DDE	4.792	4.792	(2.467)	149408976	0.10000	0.0924	
16 Dieldrin	4.922	4.922	(2.534)	138517187	0.10000	0.0863	
17 Endrin	5.147	5.147	(2.650)	122244367	0.10000	0.0929	
18 4,4'-DDD	5.214	5.214	(2.684)	112948476	0.10000	0.0900	
19 Endosulfan II	5.295	5.295	(2.726)	109422160	0.10000	0.0892	
20 4,4'-DDT	5.434	5.434	(2.798)	112719836	0.10000	0.0913	
21 Endrin Aldehyde	5.529	5.529	(2.847)	94596093	0.10000	0.0876(H)	
23 Endosulfan Sulfate	5.715	5.715	(2.943)	106356288	0.10000	0.0899	
22 Methoxychlor	5.892	5.892	(3.034)	56350092	0.10000	0.0858	
24 Endrin Ketone	6.075	6.075	(3.128)	116573900	0.10000	0.0884	
\$ 25 Decachlorobiphenyl	6.845	6.845	(3.524)	110987300	0.10000	0.0861	

QC Flag Legend

H - Operator selected an alternate compound hit.

Alpha Analytical Labs

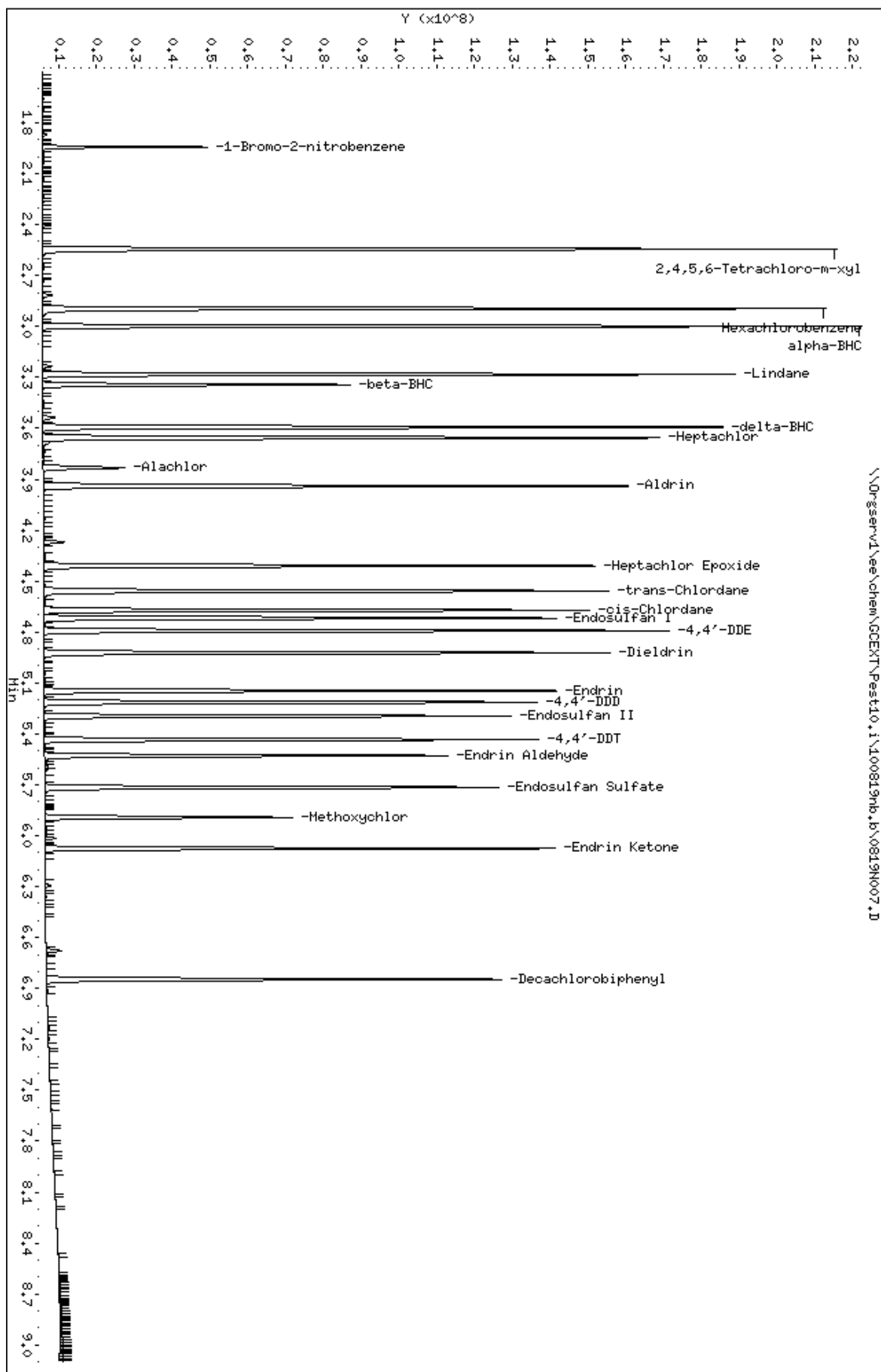
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N007.D Calibration Time: 10:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29535521	14767761	59071042	28383560	-3.90

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N008.D
Lab Smp Id:
Inj Date : 19-AUG-2010 10:43
Operator : sh Inst ID: Pest10.i
Smp Info : pest l7 3071
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:30 Cal File: 0819N007.D
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pestical.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	28771988	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.543	2.543	(1.310)	344318167	0.20000	0.172	
3 Hexachlorobenzene	2.893	2.893	(1.490)	359825153	0.20000	0.174	
4 alpha-BHC	2.998	2.998	(1.544)	364997156	0.20000	0.194	
5 Lindane	3.282	3.282	(1.690)	326023465	0.20000	0.189	
6 beta-BHC	3.343	3.343	(1.722)	144785959	0.20000	0.175	
7 delta-BHC	3.593	3.593	(1.850)	336306430	0.20000	0.193	
8 Heptachlor	3.655	3.655	(1.882)	319095574	0.20000	0.183	
10 Alachlor	3.832	3.832	(1.973)	41510983	0.20000	0.135	
9 Aldrin	3.940	3.940	(2.029)	313263527	0.20000	0.186	
11 Heptachlor Epoxide	4.410	4.410	(2.271)	281767307	0.20000	0.175	
12 trans-Chlordane	4.558	4.558	(2.347)	294128469	0.20000	0.167	
13 cis-Chlordane	4.672	4.672	(2.406)	280715295	0.20000	0.182	
15 Endosulfan I	4.718	4.718	(2.430)	258010523	0.20000	0.180	
14 4,4'-DDE	4.792	4.792	(2.467)	310286678	0.20000	0.189	
16 Dieldrin	4.923	4.923	(2.535)	286047692	0.20000	0.176	
17 Endrin	5.147	5.147	(2.650)	254279402	0.20000	0.191	
18 4,4'-DDD	5.213	5.213	(2.685)	233382635	0.20000	0.183	
19 Endosulfan II	5.295	5.295	(2.727)	224045370	0.20000	0.180	
20 4,4'-DDT	5.435	5.435	(2.799)	235351532	0.20000	0.188	
21 Endrin Aldehyde	5.528	5.528	(2.847)	194848483	0.20000	0.178(H)	
23 Endosulfan Sulfate	5.715	5.715	(2.943)	220086311	0.20000	0.184	
22 Methoxychlor	5.892	5.892	(3.034)	113151868	0.20000	0.170	
24 Endrin Ketone	6.075	6.075	(3.128)	239451550	0.20000	0.179	
\$ 25 Decachlorobiphenyl	6.842	6.842	(3.523)	225789961	0.20000	0.173	

QC Flag Legend

H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N008.D Calibration Time: 10:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29535521	14767761	59071042	28771988	-2.59

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 19-AUG-2010 10:43

Client ID:

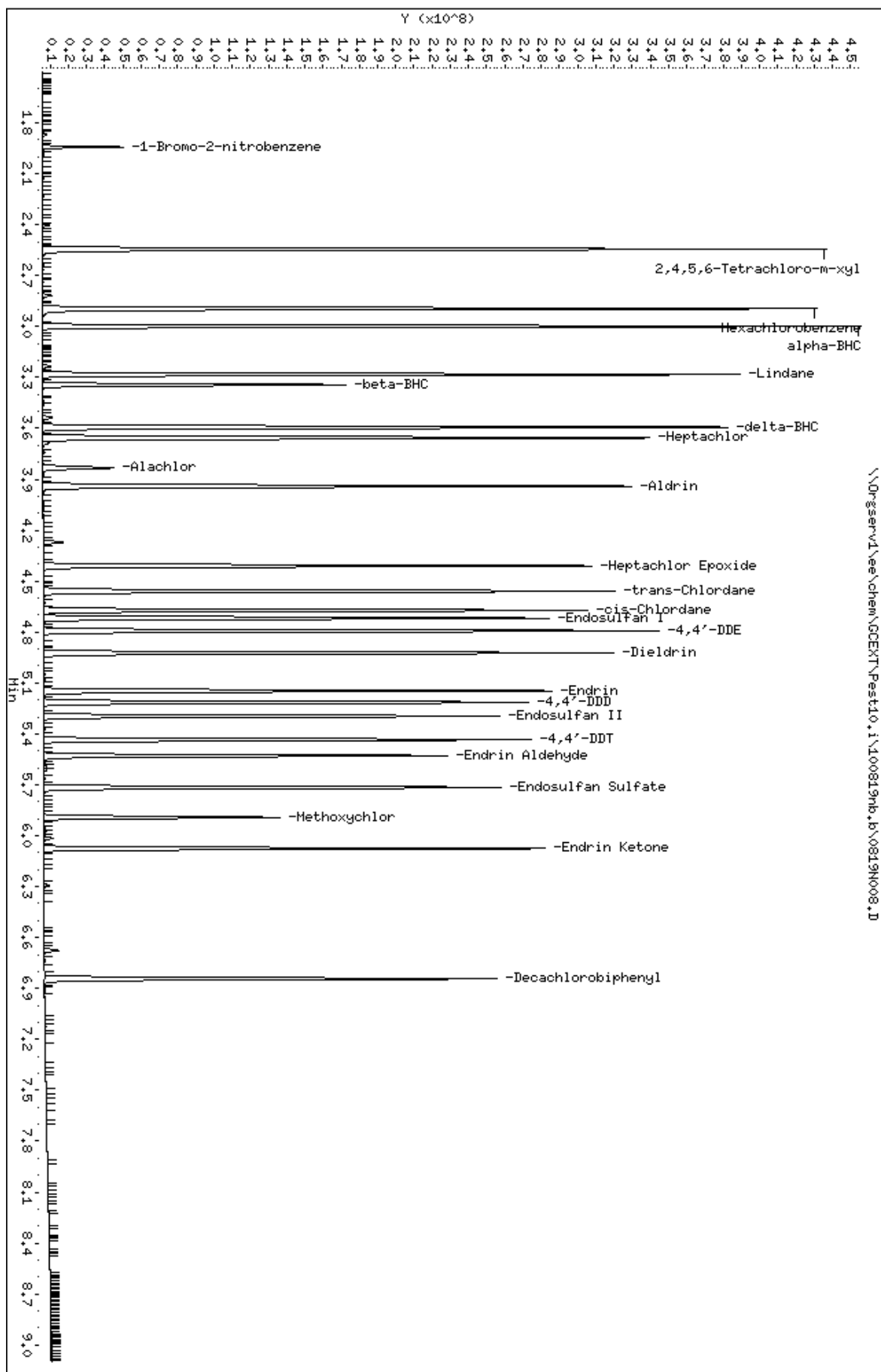
Sample Info: pest 17 3071

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

Column phase: Rtx-CLPesticidesII



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N009.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 10:56
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor l1 3027
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 9 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	28769637	0.02500		
26 Chlordane	3.531	3.531	(1.819)	331460	0.00500	0.00567(TH)	

QC Flag Legend

T - Target compound detected outside RT window.
 H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

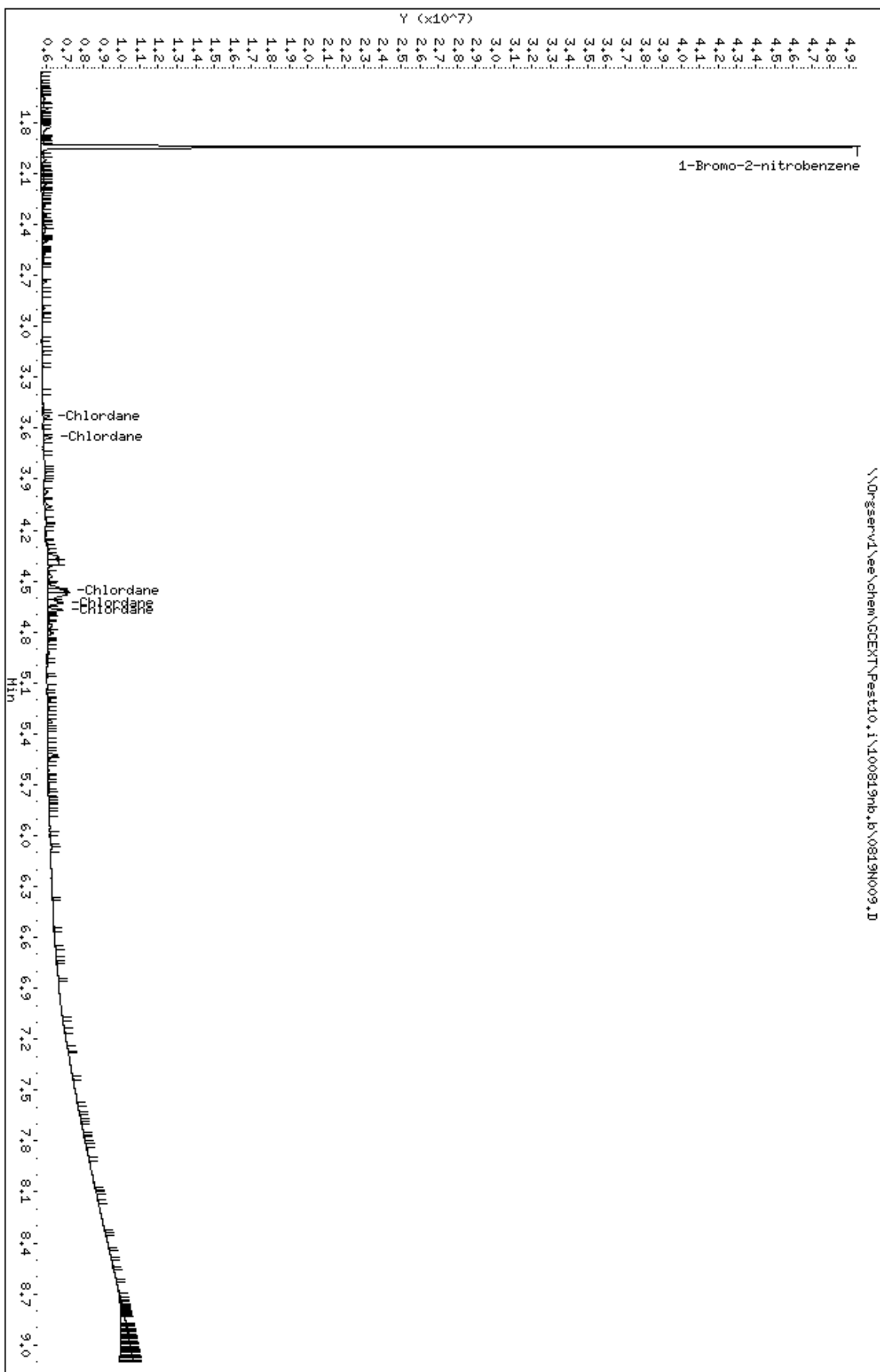
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N009.D Calibration Time: 10:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29535521	14767761	59071042	28769637	-2.59

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.07

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N009.D
 Date : 19-AUG-2010 10:56
 Client ID:
 Sample Info: chlor 11 3027
 Column phase: Rtx-CLPest10desII
 Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N010.D
Lab Smp Id:
Inj Date : 19-AUG-2010 11:09
Operator : sh Inst ID: Pest10.i
Smp Info : chlor l2 3028
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD
Cal Date : 19-AUG-2010 09:39 Cal File: 0819N003.D
Als bottle: 10 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlorical.sub
Target Version: 4.12
Processing Host: ABN-3

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	28719468	0.02500		
26 Chlordane	3.531	3.531	(1.819)	666584	0.01000	0.0114	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N010.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

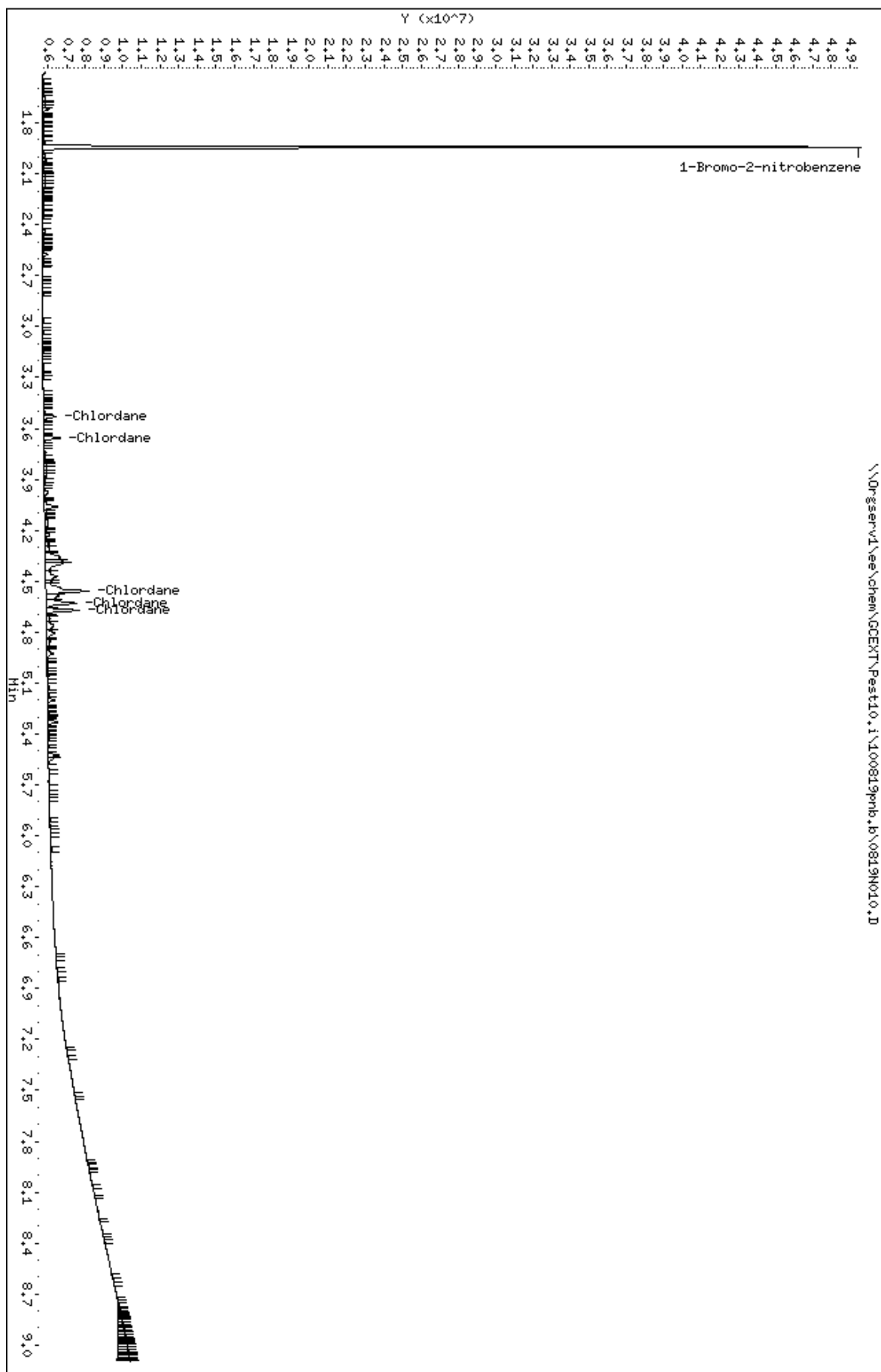
Calibration Date: 19-AUG-2010
Calibration Time: 14:21
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29503569	14751785	59007138	28719468	-2.66

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N010.D
 Date : 19-AUG-2010 11:09
 Client ID:
 Sample Info: chlor 12 3028
 Column phase: Rtx-CLPest10desII
 Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N010.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 11:09
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor l2 3028
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 18:05 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 09:39 Cal File: 0819N003.D
 Als bottle: 10 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorical.sub
 Target Version: 4.12

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	28719468	0.02500		
26 Chlordane	3.531	3.531	(1.819)	666584	0.01000	0.0114(MH)	M4

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N010.D Calibration Time: 14:08
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

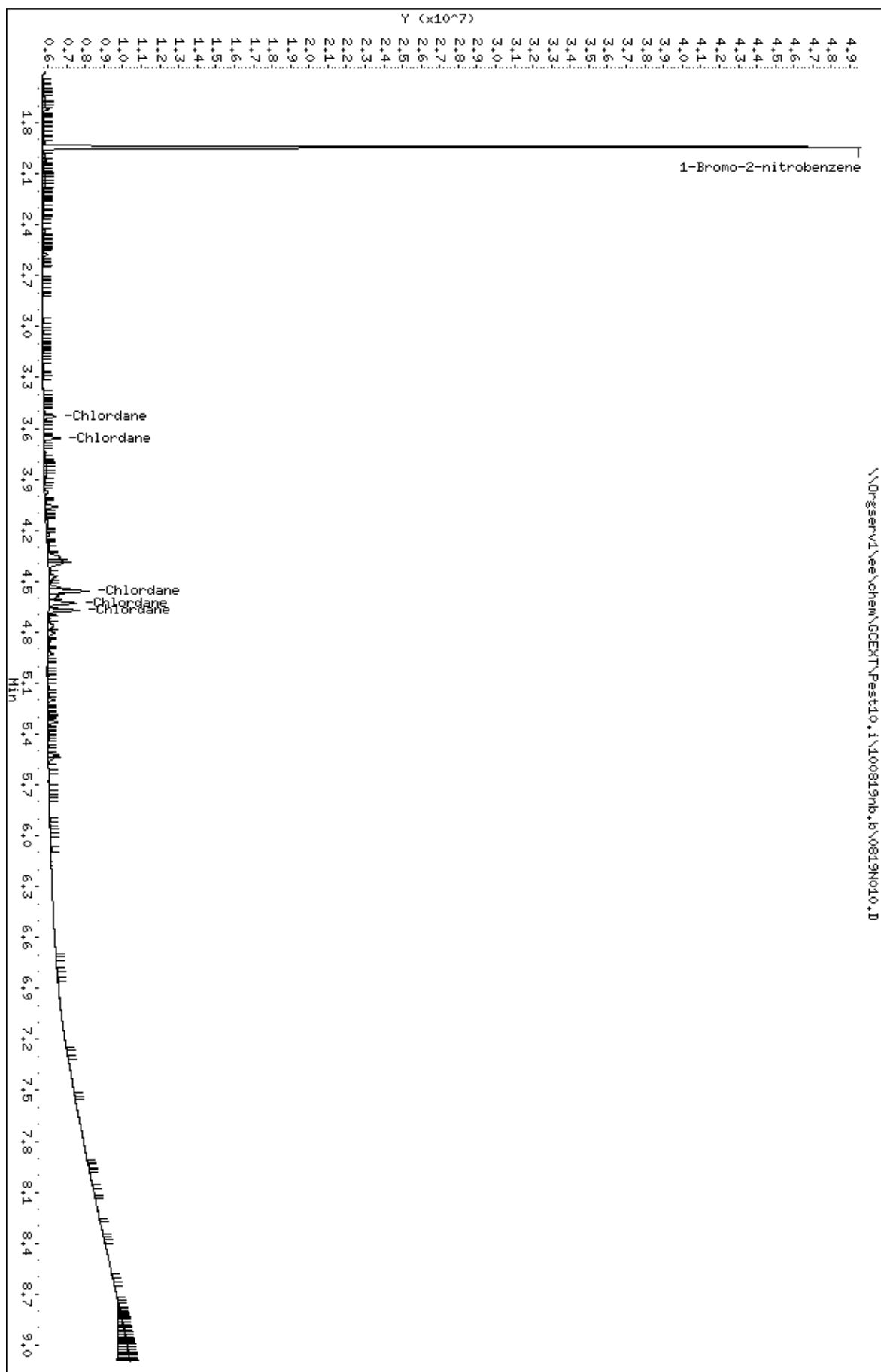
COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
1 1-Bromo-2-nitrobe	28830544	14415272	57661088	28719468	-0.39

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgera1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N010.D
 Date : 19-AUG-2010 11:09
 Client ID:
 Sample Info: chlor 12 3028
 Column phase: Rtx-CLPest10desII

Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N011.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 11:21
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor l3 3029
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 09:39 Cal File: 0819N003.D
 Als bottle: 11 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	28248530	0.02500		
26 Chlordane	3.531	3.531	(1.819)	2932887	0.05000	0.0511(H)	

QC Flag Legend

H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

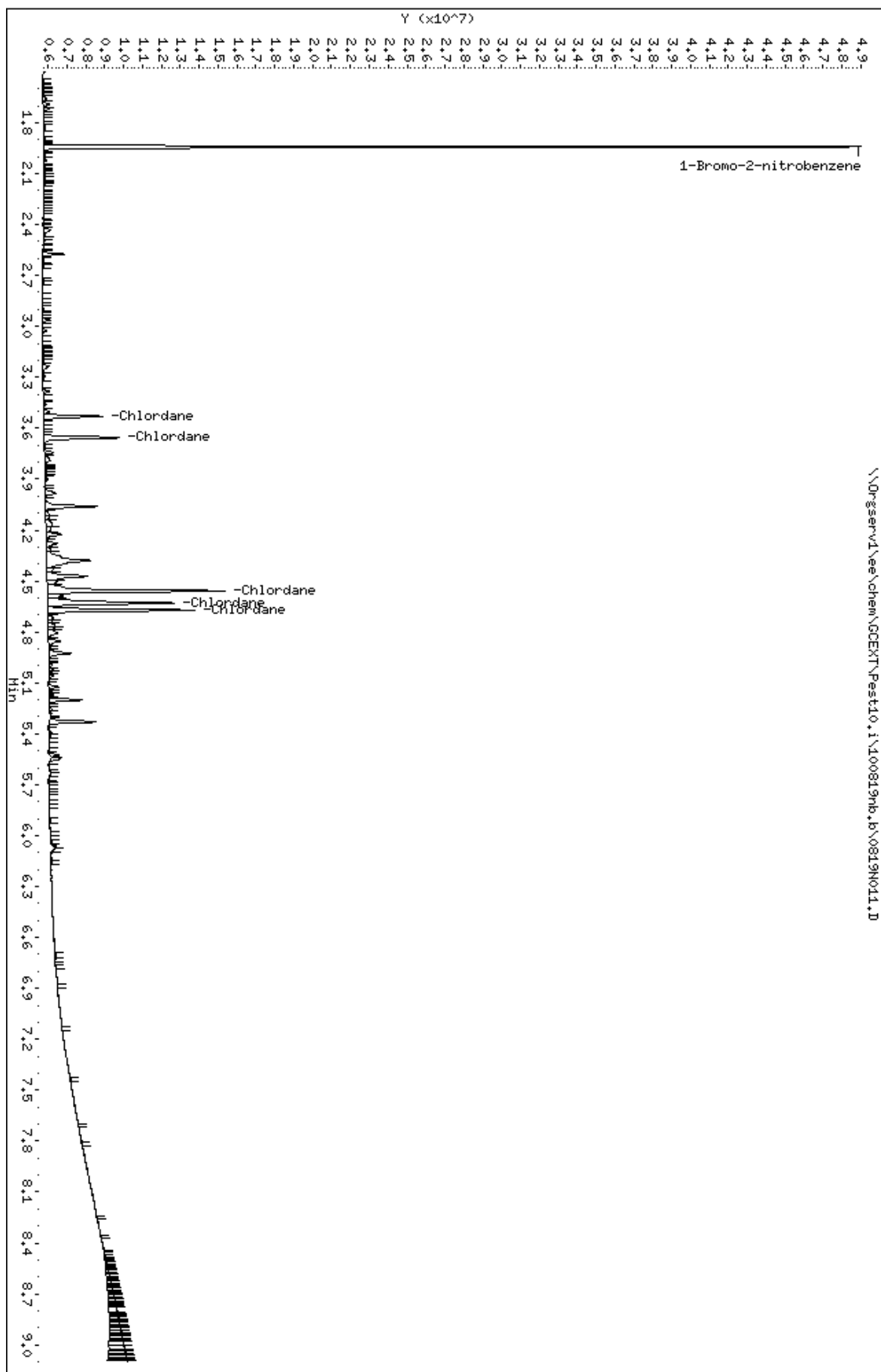
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N011.D Calibration Time: 10:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29535521	14767761	59071042	28248530	-4.36

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GC\EXT\Pest10.i\100819nb.b\0819N014.D
 Date : 19-AUG-2010 11:21
 Client ID:
 Sample Info: chlor 13 3029
 Column phase: RtX-CLPest10desII
 Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N012.D
Lab Smp Id:
Inj Date : 19-AUG-2010 11:34
Operator : sh Inst ID: Pest10.i
Smp Info : chlor l4 3030
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD
Cal Date : 19-AUG-2010 10:05 Cal File: 0819N005.D
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlorical.sub
Target Version: 4.12
Processing Host: ABN-3

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	28187222	0.02500		
26 Chlordane	3.531	3.531	(1.819)	5927439	0.10000	0.104	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N012.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

Calibration Date: 19-AUG-2010
Calibration Time: 14:21
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29503569	14751785	59007138	28187222	-4.46

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N012.D

Date : 19-AUG-2010 11:34

Client ID:

Sample Info: chlor 14 3030

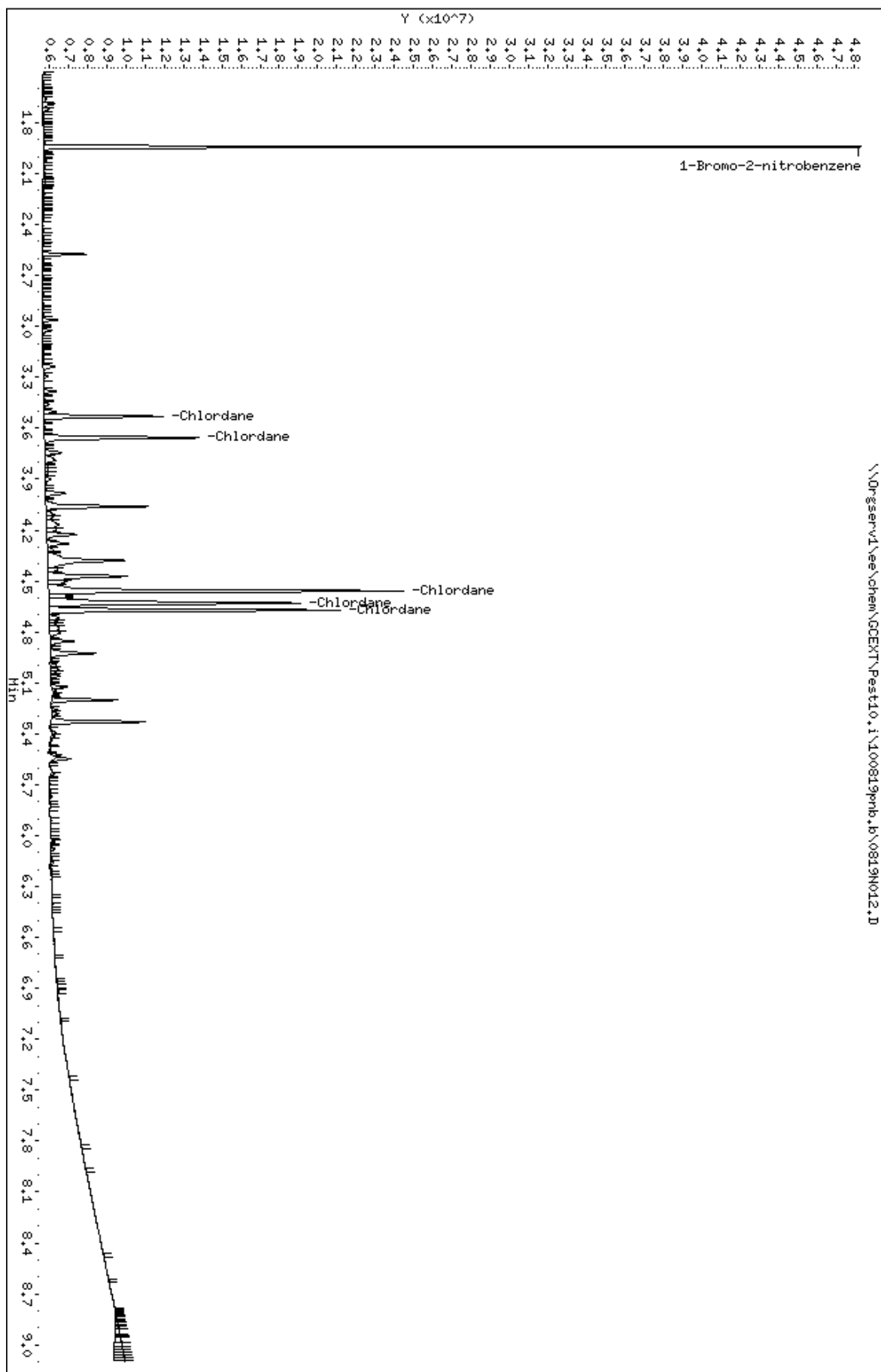
Column phase: Rtx-CLPestioideall

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N012.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 11:34
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor l4 3030
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 09:52 Cal File: 0819N004.D
 Als bottle: 12 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	28187222	0.02500		
26 Chlordane	3.531	3.531	(0.000)	5927439	0.10000	0.104(MH)	M4

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

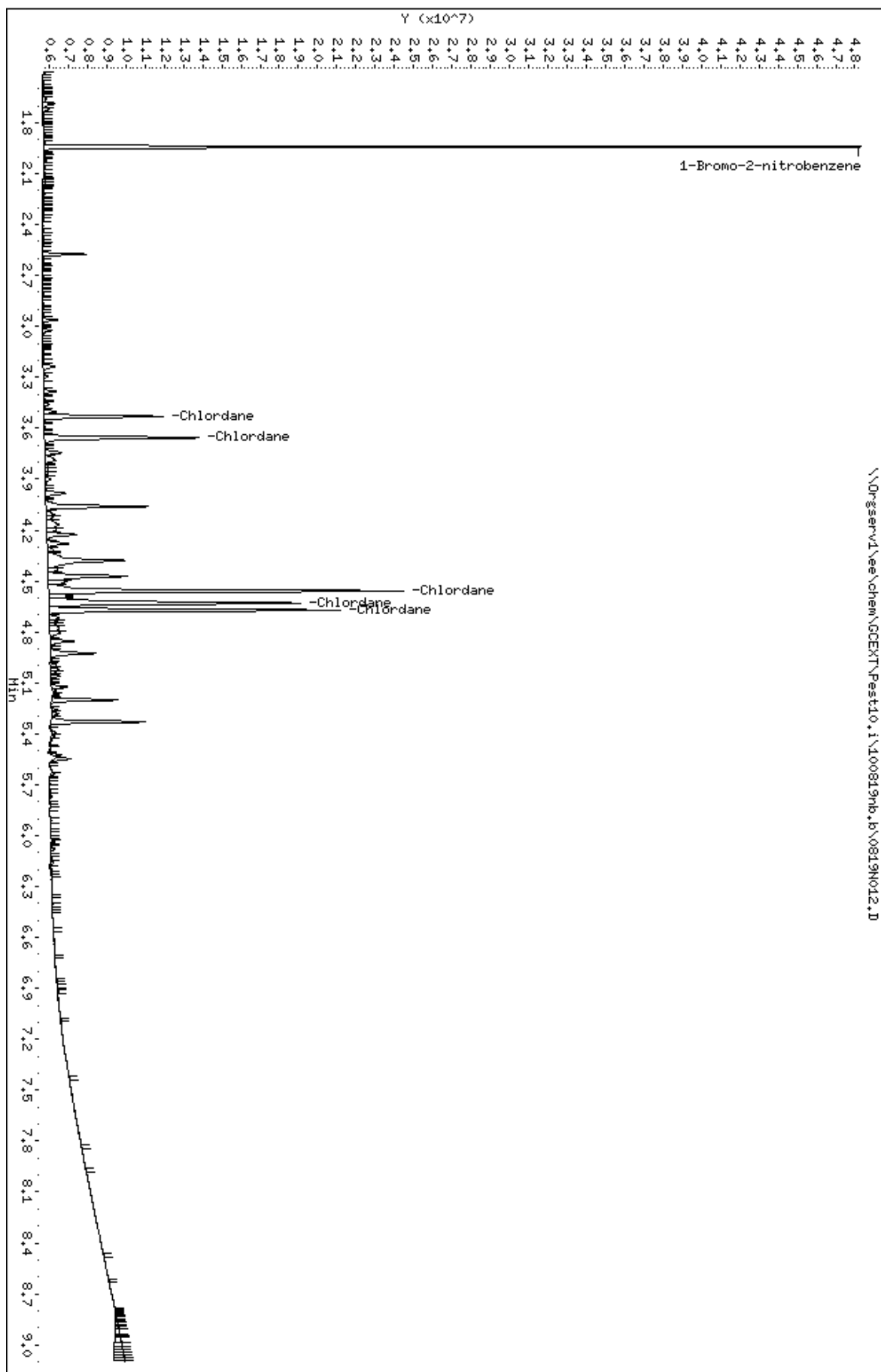
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N012.D Calibration Time: 10:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

COMPOUND	STANDARD	AREA LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
1 1-Bromo-2-nitrobe	29535521	14767761	59071042	28187222	-4.57

COMPOUND	STANDARD	RT LOWER	LIMIT UPPER	SAMPLE	%DIFF
=====	=====	=====	=====	=====	=====
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.07

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GC\EXT\Pest10.i\100819nb.b\0819N012.D
 Date : 19-AUG-2010 11:34
 Client ID:
 Sample Info: chlor 14 3030
 Column phase: Rtx-CLPestioideall
 Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N013.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 11:47
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor l5 3031
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:05 Cal File: 0819N005.D
 Als bottle: 13 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	29438083	0.02500		
26 Chlordane	3.531	3.531	(1.817)	28239088	0.50000	0.472(H)	

QC Flag Legend

H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

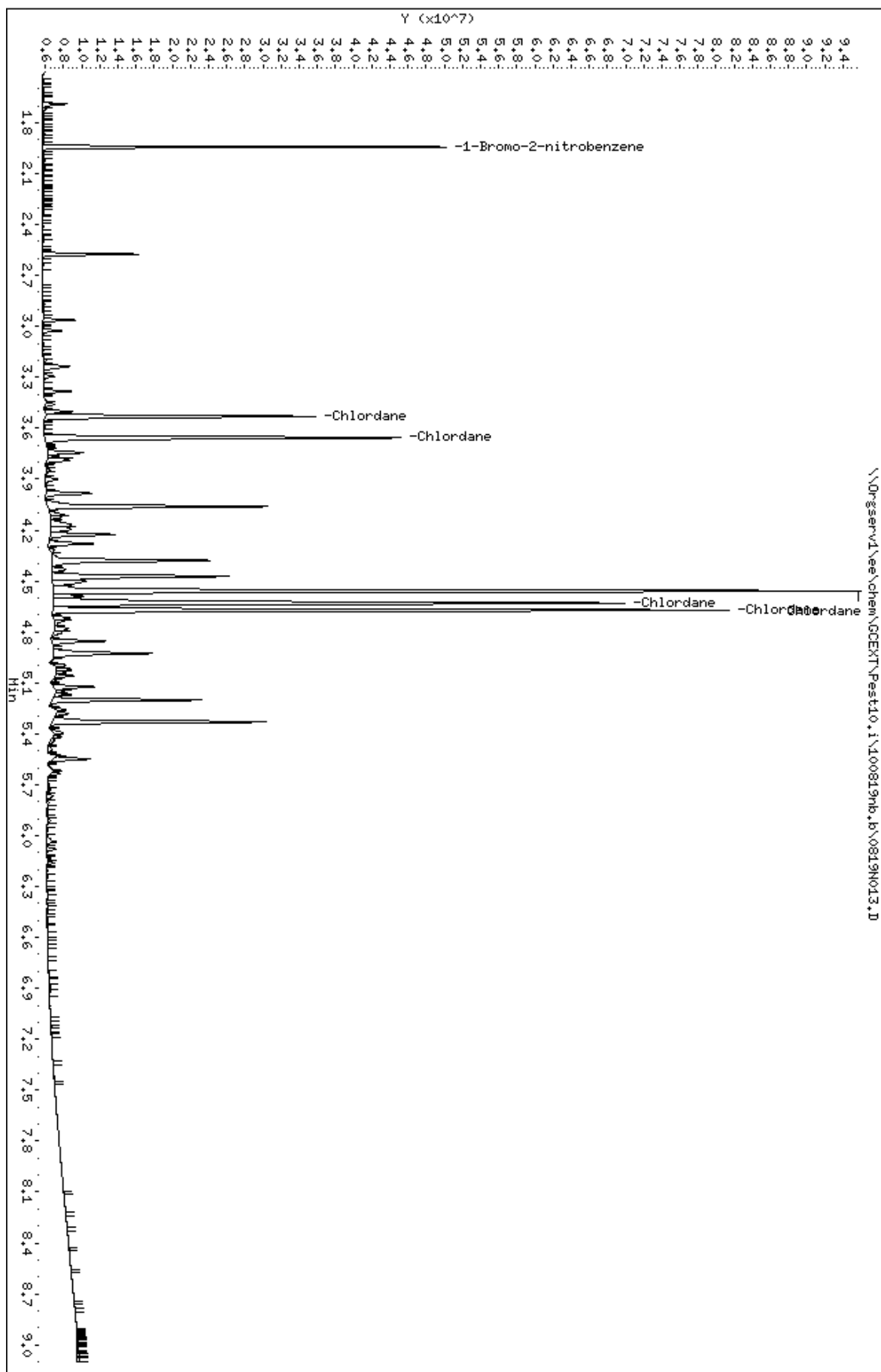
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N013.D Calibration Time: 11:47
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29438083	14719042	58876166	29438083	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N013.D
Date : 19-AUG-2010 11:47
Client ID:
Sample Info: chlor 15 3034
Column phase: RtX-CLPesticidesII
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N014.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 12:00
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor l6 3032
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:17 Cal File: 0819N006.D
 Als bottle: 14 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	29387479	0.02500		
26 Chlordane	3.531	3.531	(1.817)	55604126	1.00000	0.931(H)	

QC Flag Legend

H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

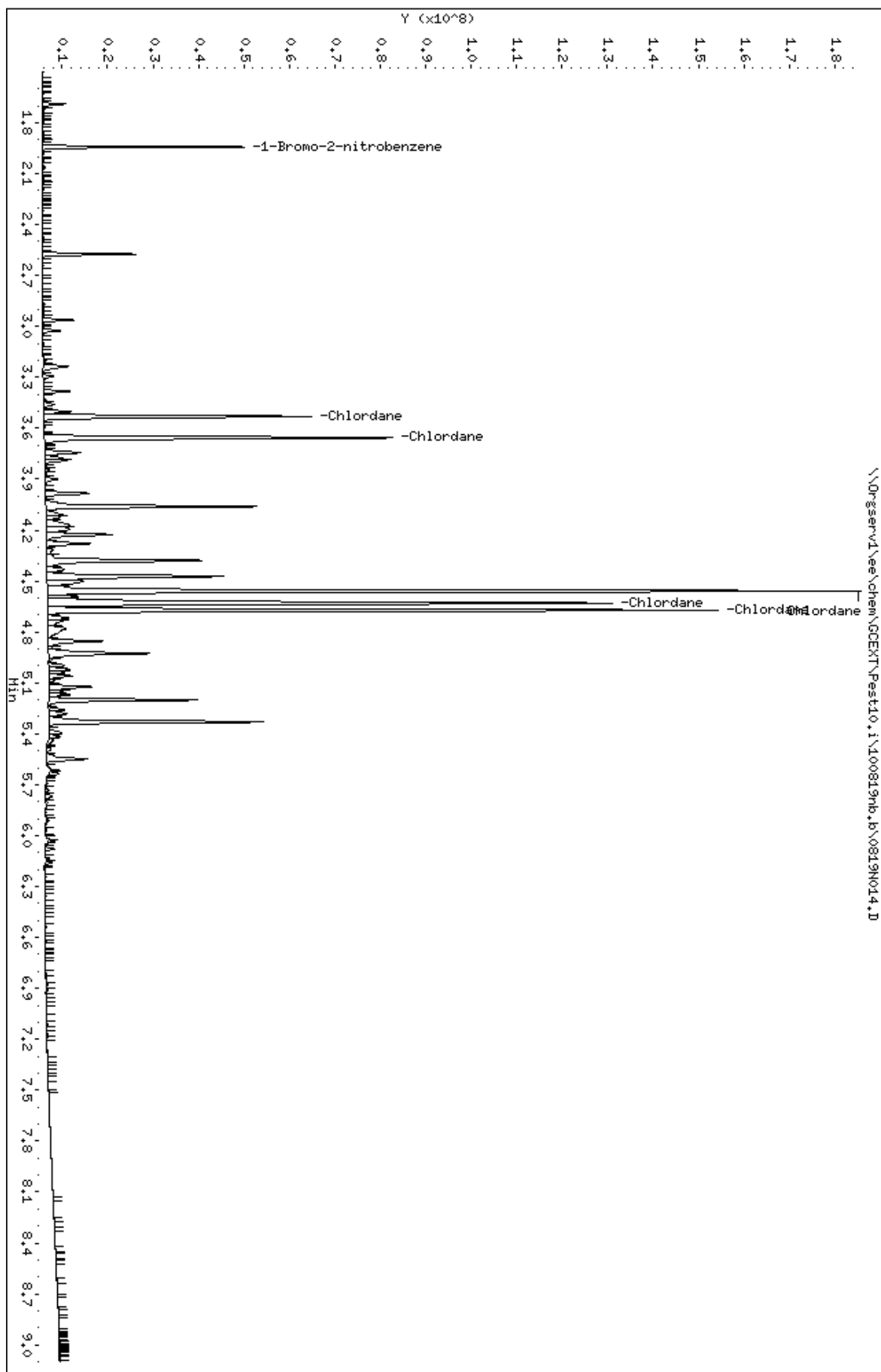
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N014.D Calibration Time: 11:47
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29438083	14719042	58876166	29387479	-0.17

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N014.D
 Date : 19-AUG-2010 12:00
 Client ID:
 Sample Info: chlor 16 3032
 Column phase: Rtx-CLPesticidesII
 Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N015.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 12:13
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor l7 3033
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:30 Cal File: 0819N007.D
 Als bottle: 15 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.943	1.943	(1.000)	29396602	0.02500		
26 Chlordane	3.531	3.531	(1.817)	110394348	2.00000	1.85(H)	

QC Flag Legend

H - Operator selected an alternate compound hit.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N015.D Calibration Time: 11:47
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29438083	14719042	58876166	29396602	-0.14

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgera1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N015.D

Date : 19-AUG-2010 12:13

Client ID:

Sample Info: chlor 17 3033

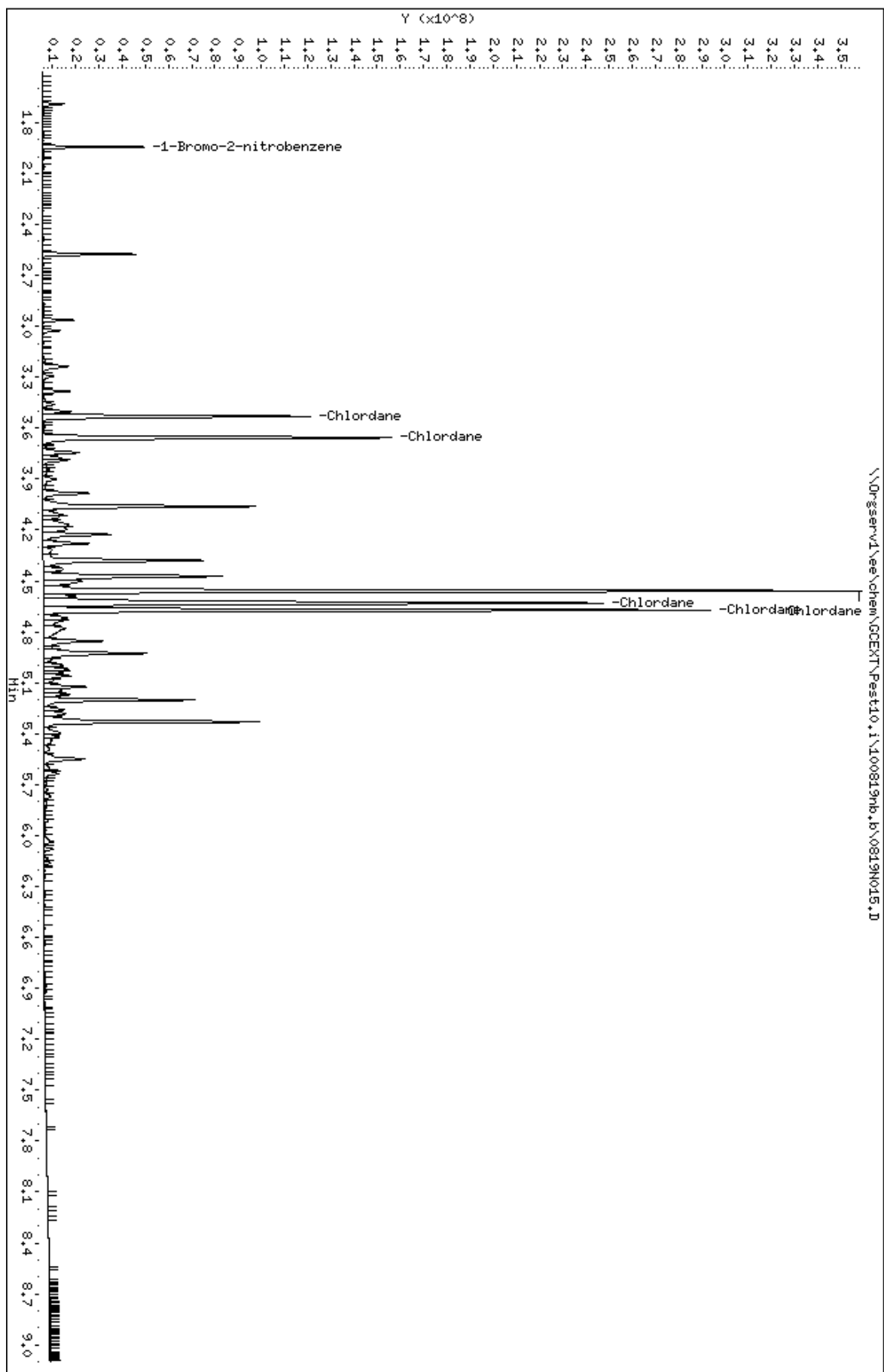
Column phase: Rtx-CLPest10desII

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N016.D
Lab Smp Id:
Inj Date : 19-AUG-2010 12:26
Operator : sh Inst ID: Pest10.i
Smp Info : tox l1 3034
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD
Cal Date : 19-AUG-2010 09:26 Cal File: 0819N002.D
Als bottle: 16 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxical.sub
Target Version: 4.12
Processing Host: ABN-3

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	30745846	0.02500		
27 Toxaphene	4.902	4.902	(2.524)	245128	0.00500	0.000902(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N016.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

Calibration Date: 19-AUG-2010
Calibration Time: 14:21
Level:
Sample Type:

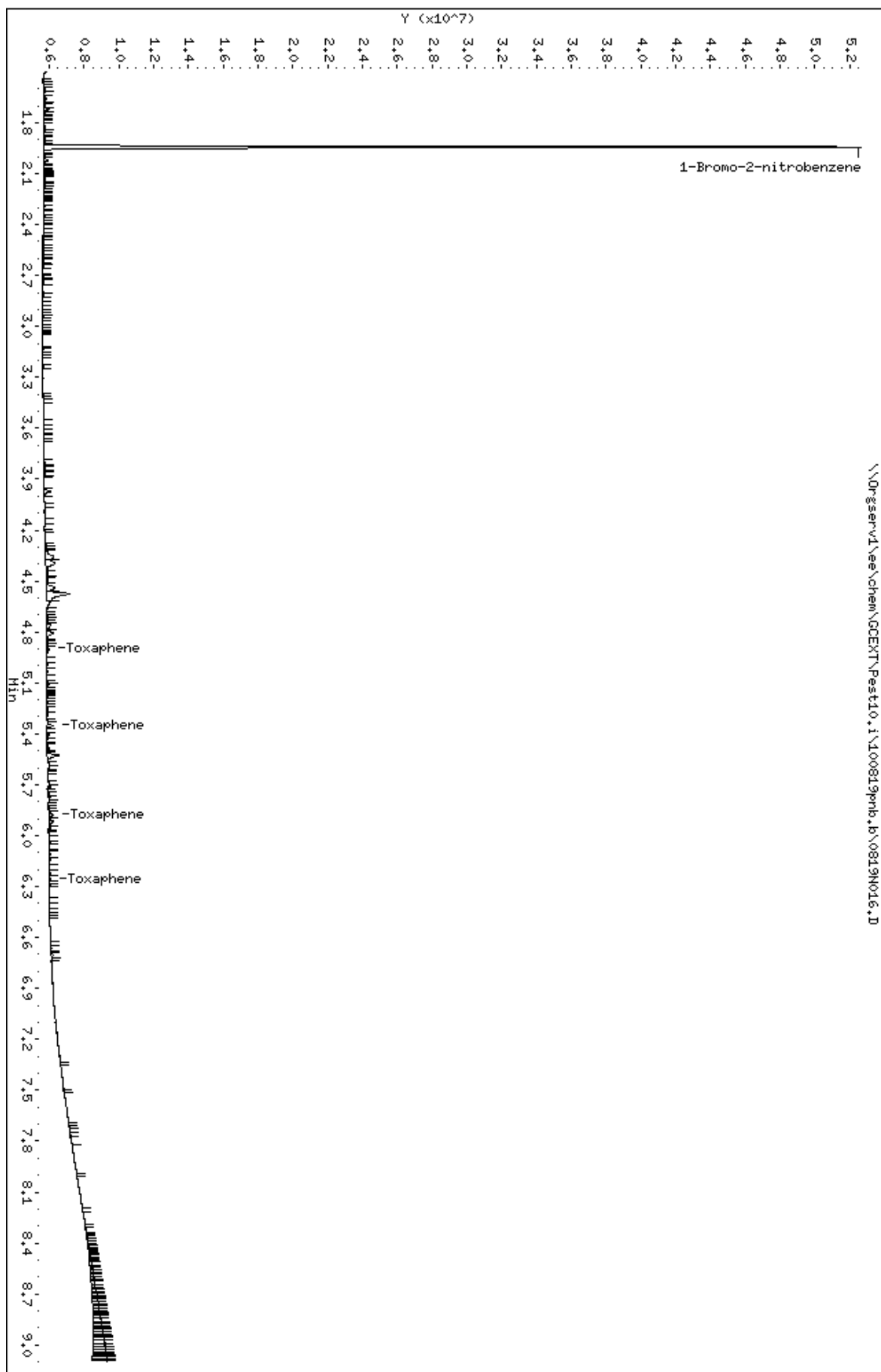
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29503569	14751785	59007138	30745846	4.21

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N016.D
Date : 19-AUG-2010 12:26
Client ID:
Sample Info: tox 11 3034
Column phase: Rtx-CLPest10desII

Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N016.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 12:26
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox l1 3034
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 16 Calibration Sample, Level: 1
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	30745846	0.02500		
27 Toxaphene	4.902	4.902	(2.524)	245128	0.00500	(MH)	M2

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N016.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

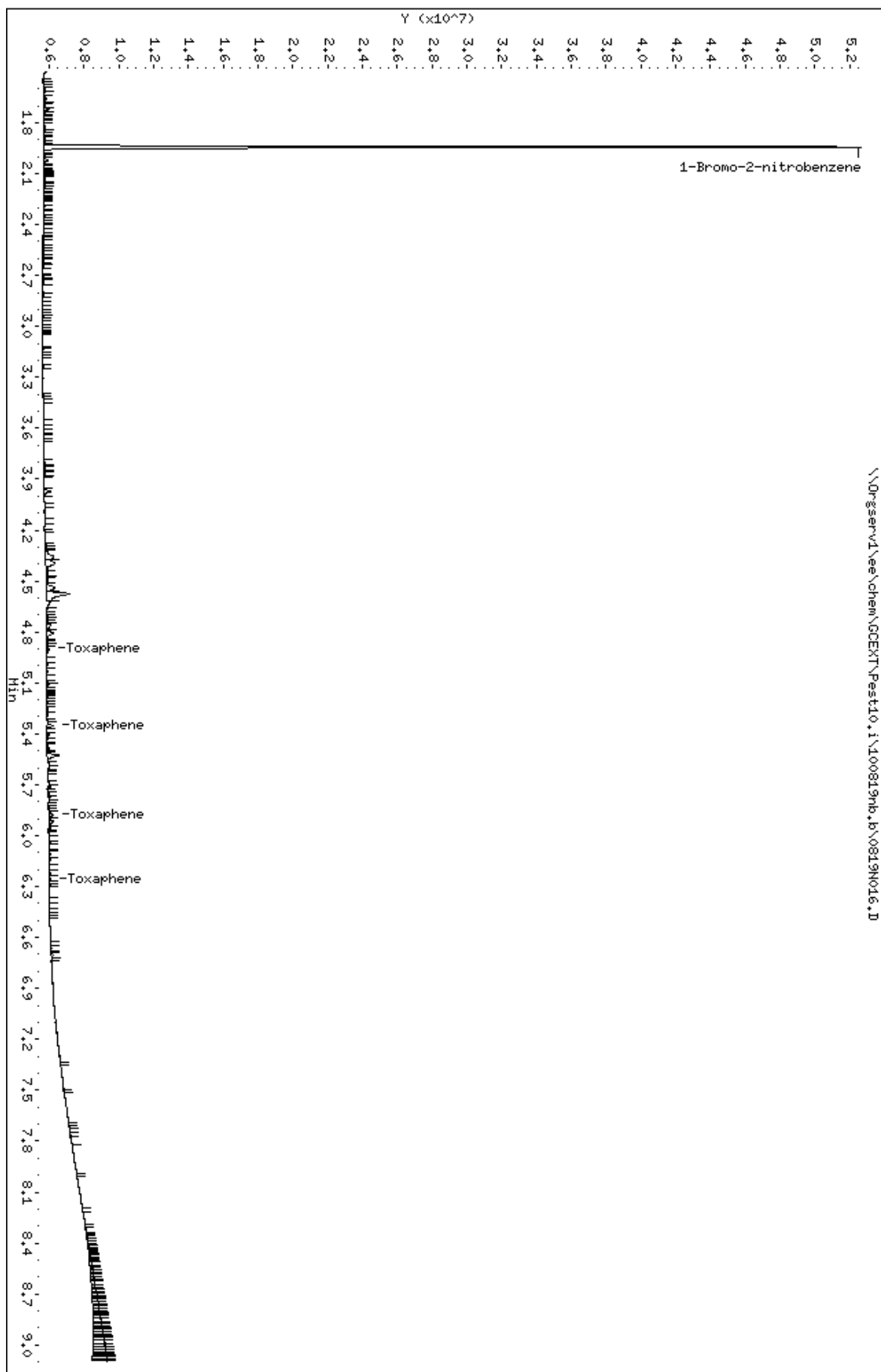
Calibration Date: 19-AUG-2010
Calibration Time: 11:47
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29438083	14719042	58876166	30745846	4.44

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv1\ee\chem\GC\EXT\Pest10.i\100819nb.b\0819N016.D
 Date : 19-AUG-2010 12:26
 Client ID:
 Sample Info: tox 11 3034
 Column phase: Rtx-CLPest10desII
 Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N017.D
Lab Smp Id:
Inj Date : 19-AUG-2010 12:39
Operator : sh Inst ID: Pest10.i
Smp Info : tox l2 3035
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD
Cal Date : 19-AUG-2010 09:39 Cal File: 0819N003.D
Als bottle: 17 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxical.sub
Target Version: 4.12
Processing Host: ABN-3

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	29833958	0.02500		
27 Toxaphene	4.901	4.901	(2.523)	247514	0.01000	0.00148(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N017.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

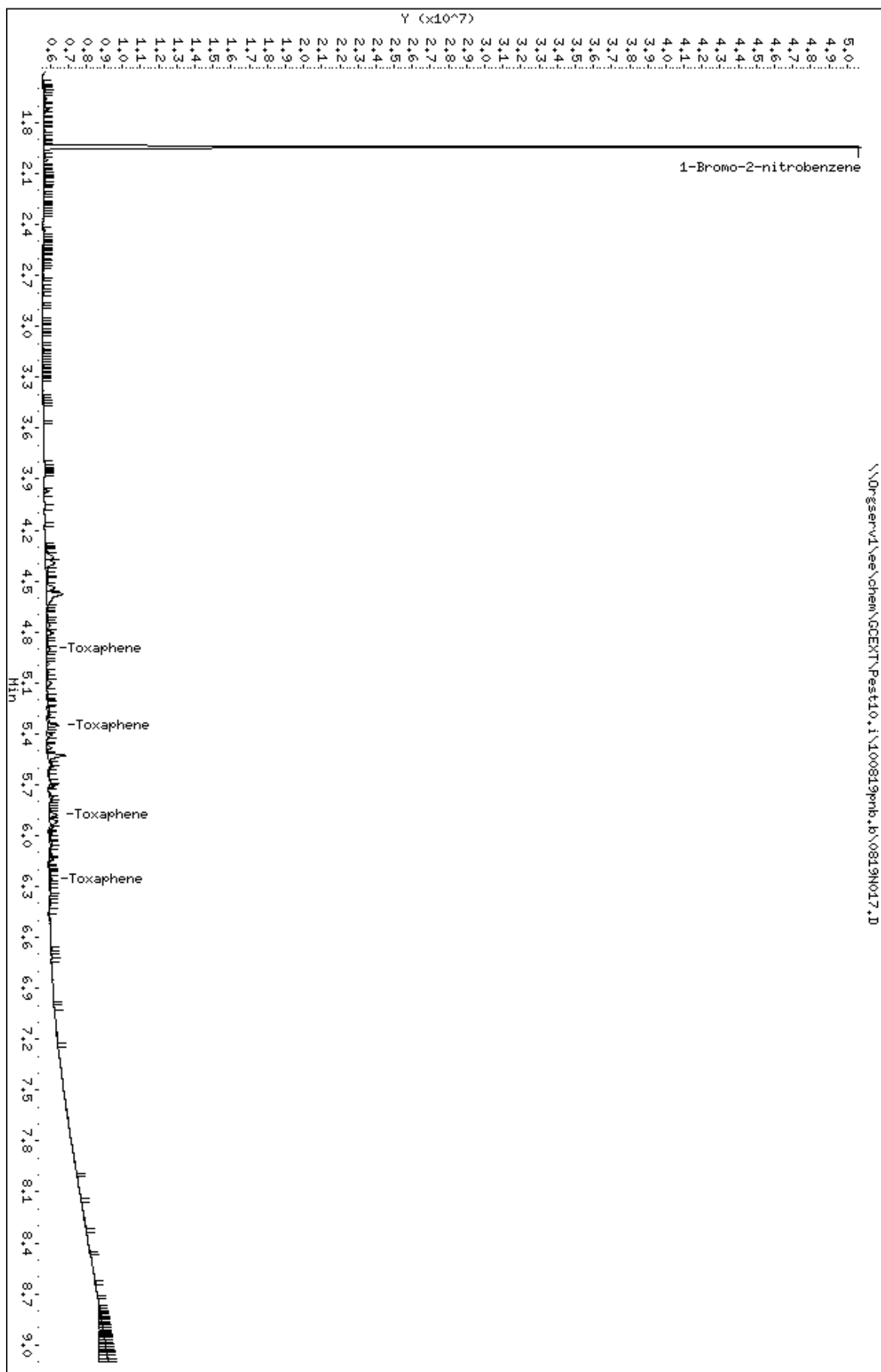
Calibration Date: 19-AUG-2010
Calibration Time: 14:21
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29503569	14751785	59007138	29833958	1.12

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgera1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N017.D
Date : 19-AUG-2010 12:39
Client ID:
Sample Info: tox 12 3035
Column phase: Rtx-CLPestioideall
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N017.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 12:39
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox l2 3035
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 09:26 Cal File: 0819N002.D
 Als bottle: 17 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	29833958	0.02500		
27 Toxaphene	4.901	4.901	(2.523)	332462	0.01000	(MH)	M2

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

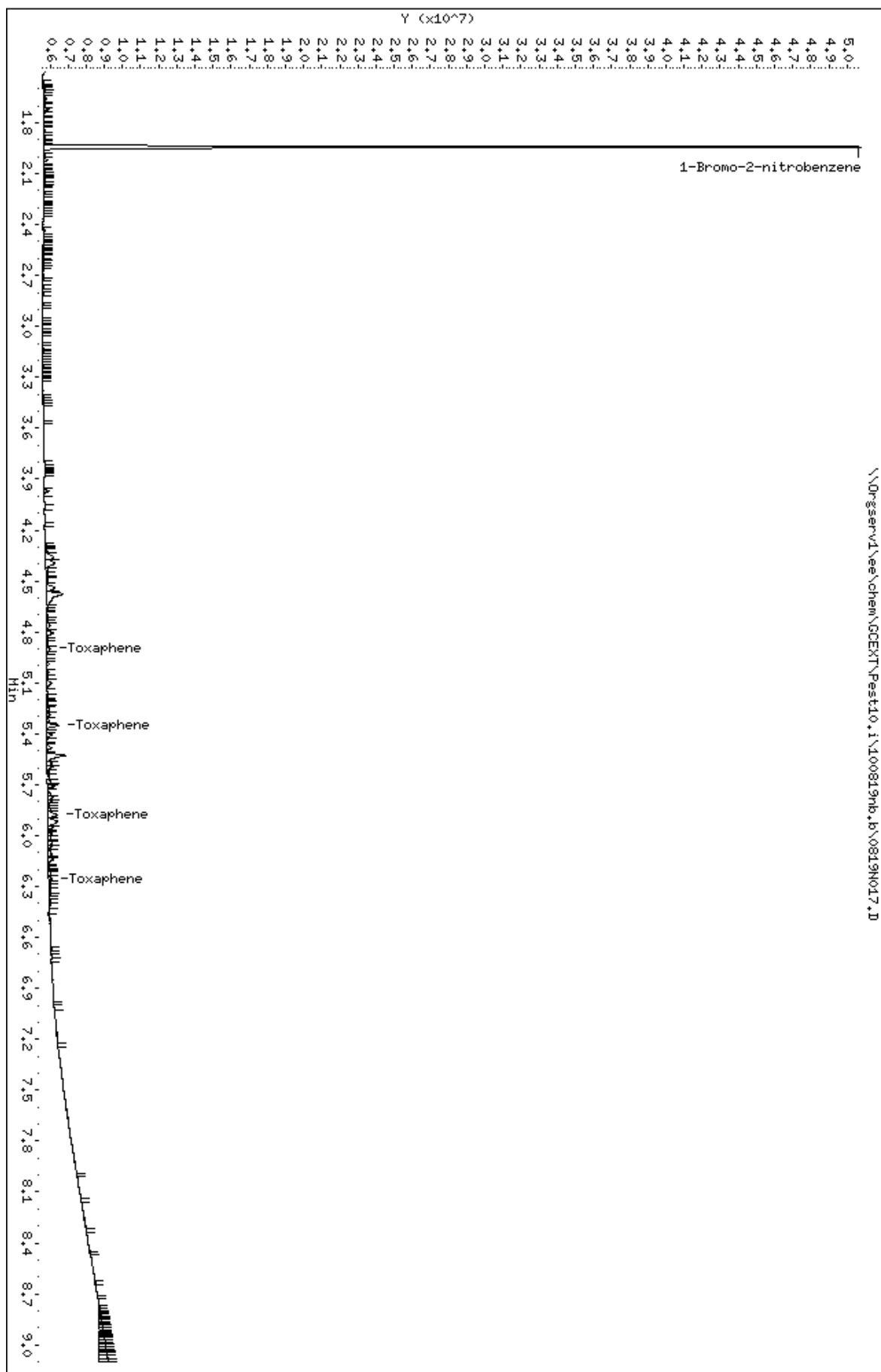
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N017.D Calibration Time: 11:47
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29438083	14719042	58876166	29833958	1.34

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N017.D
Date : 19-AUG-2010 12:39
Client ID:
Sample Info: tox 12 3035
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32
Column phase: Rtx-CLPest10desII



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N018.D
Lab Smp Id:
Inj Date : 19-AUG-2010 12:51
Operator : sh Inst ID: Pest10.i
Smp Info : tox l3 3036
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD
Cal Date : 19-AUG-2010 09:52 Cal File: 0819N004.D
Als bottle: 18 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxical.sub
Target Version: 4.12
Processing Host: ABN-3

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	30576904	0.02500		
27 Toxaphene	4.907	4.907	(2.526)	925189	0.05000	0.0405(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N018.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

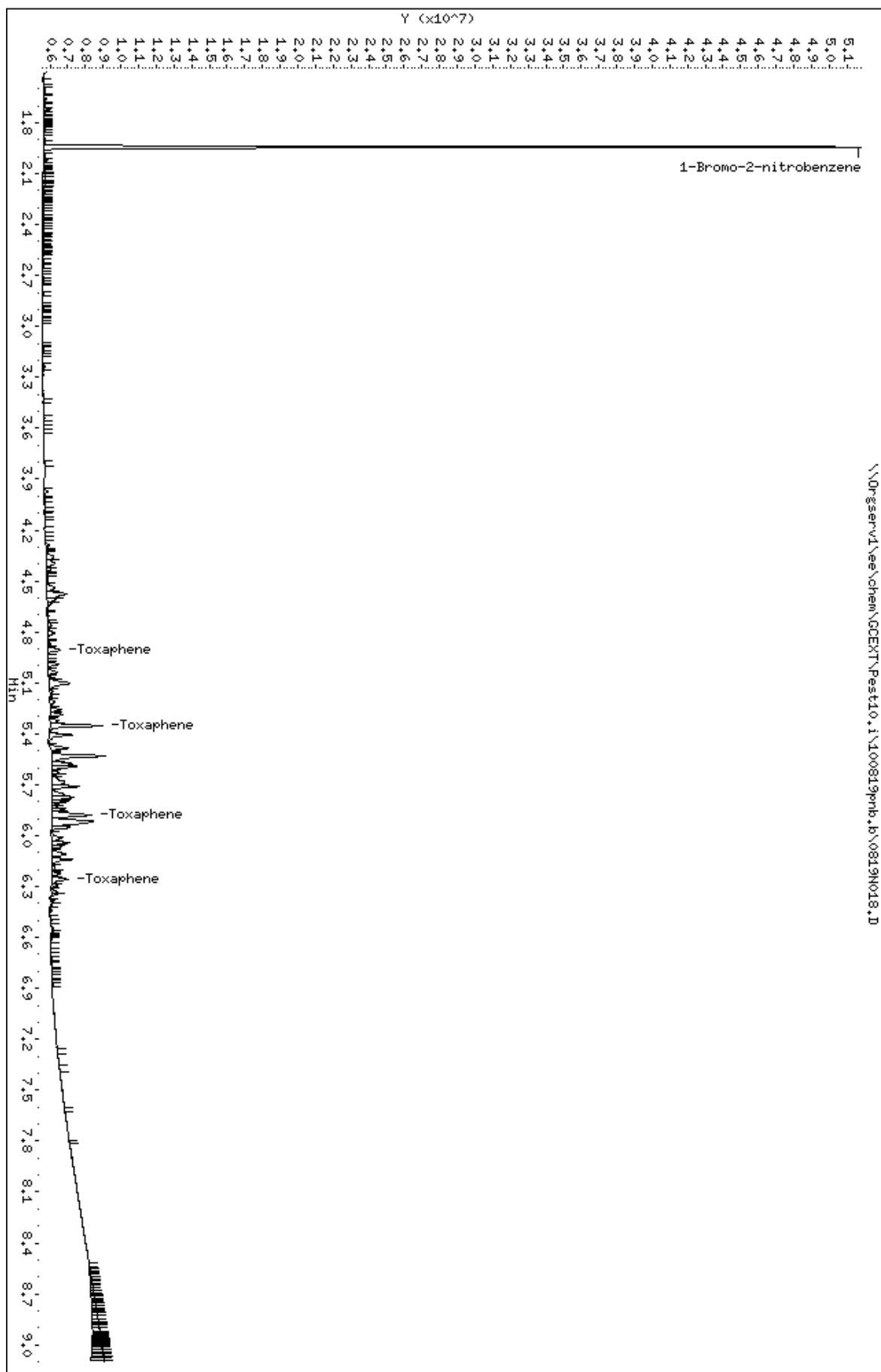
Calibration Date: 19-AUG-2010
Calibration Time: 14:21
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29503569	14751785	59007138	30576904	3.64

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N018.D
 Date : 19-AUG-2010 12:51
 Client ID:
 Sample Info: tox 13 3036
 Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32
 Column phase: Rtx-CLPestioideall



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N018.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 12:51
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox l3 3036
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 09:39 Cal File: 0819N003.D
 Als bottle: 18 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	30576904	0.02500		
27 Toxaphene	4.907	4.907	(2.526)	1094864	0.05000	0.0421(MH)	M2

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

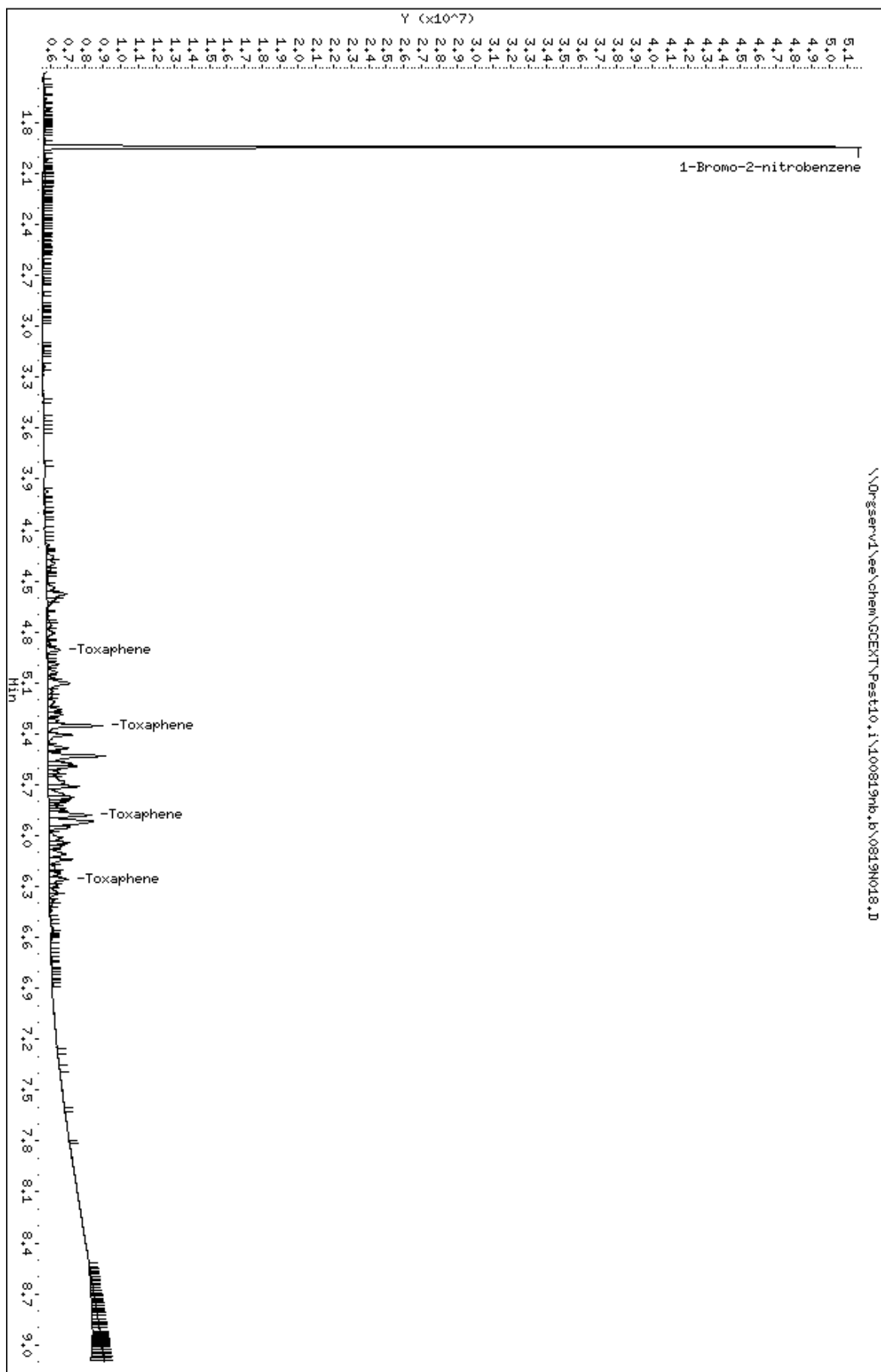
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N018.D Calibration Time: 11:47
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29438083	14719042	58876166	30576904	3.87

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N018.D
Date : 19-AUG-2010 12:51
Client ID:
Sample Info: tox 13 3036
Column phase: Rtx-CLPestioideall
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N019.D
Lab Smp Id:
Inj Date : 19-AUG-2010 13:04
Operator : sh Inst ID: Pest10.i
Smp Info : tox l4 3037
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD
Cal Date : 19-AUG-2010 10:05 Cal File: 0819N005.D
Als bottle: 19 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxical.sub
Target Version: 4.12
Processing Host: ABN-3

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	29808491	0.02500		
27 Toxaphene	4.905	4.905	(2.526)	1725580	0.10000	0.0896(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N019.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

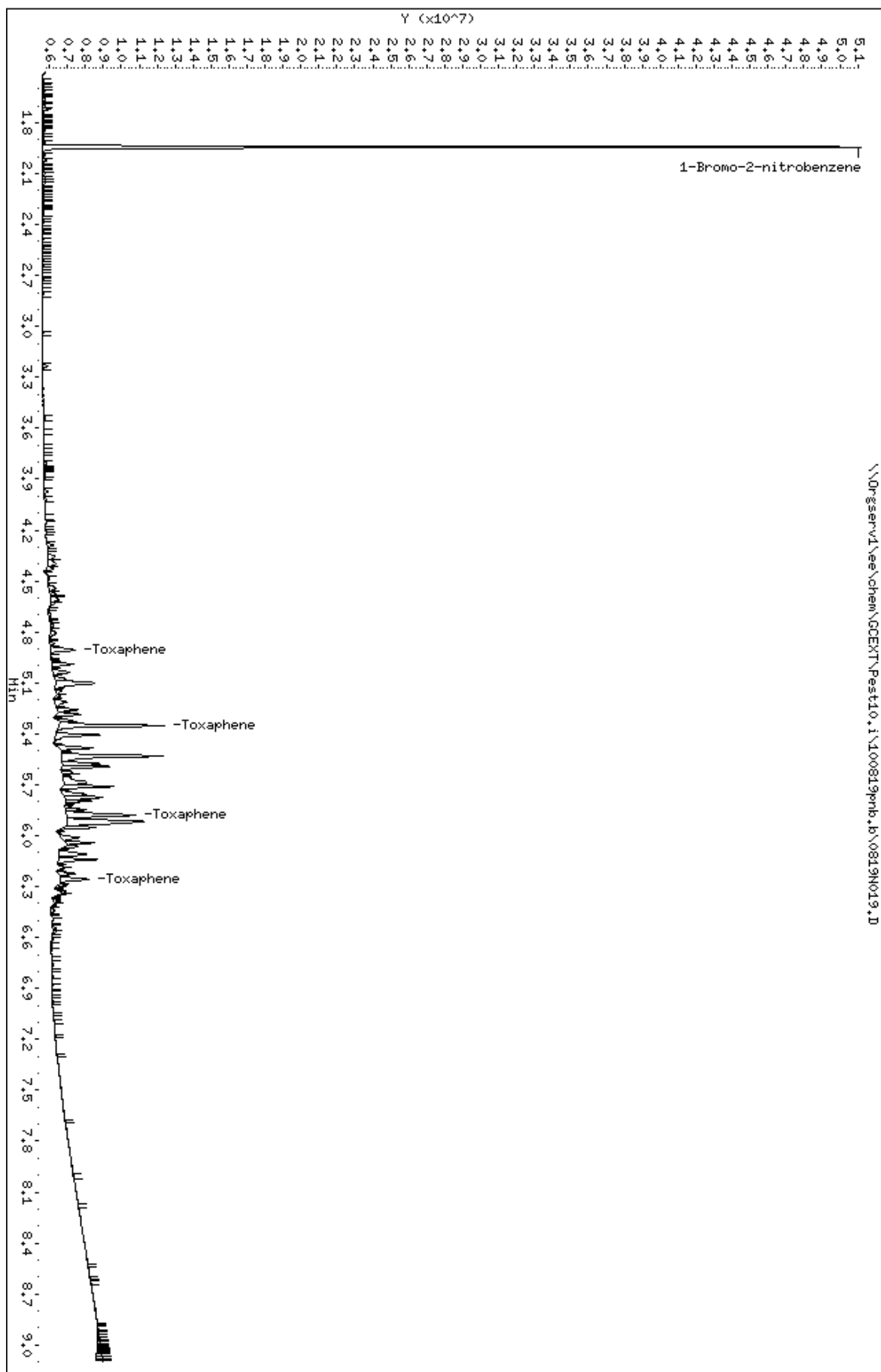
Calibration Date: 19-AUG-2010
Calibration Time: 14:21
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29503569	14751785	59007138	29808491	1.03

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.05

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N019.D
Date : 19-AUG-2010 13:04
Client ID:
Sample Info: tox 14 3037
Column phase: Rtx-CLPestioideall
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N019.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 13:04
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox l4 3037
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 09:52 Cal File: 0819N004.D
 Als bottle: 19 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	29808491	0.02500		
27 Toxaphene	4.905	4.905	(2.526)	2139830	0.10000	0.106(MH)	M2

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N019.D Calibration Time: 11:47
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

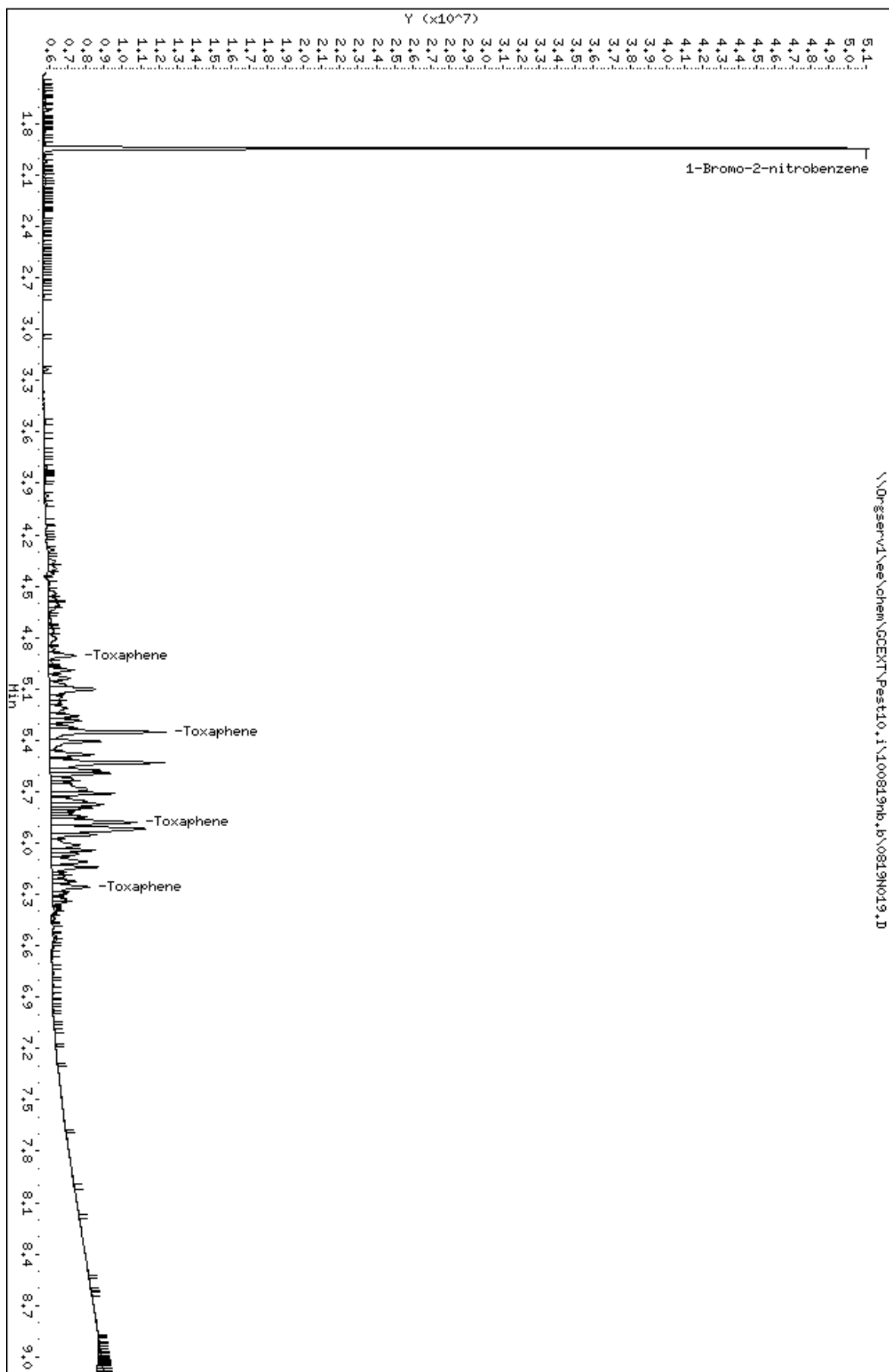
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29438083	14719042	58876166	29808491	1.26

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.03

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N019.D
Date : 19-AUG-2010 13:04
Client ID:
Sample Info: tox 14 3037
Column phase: Rtx-CLPestioideall

Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N020.D
Lab Smp Id:
Inj Date : 19-AUG-2010 13:17
Operator : sh
Smp Info : tox l5 3038
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD
Cal Date : 19-AUG-2010 10:17
Als bottle: 20
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.12
Processing Host: ABN-3

Inst ID: Pest10.i
Cal File: 0819N006.D
Calibration Sample, Level: 5
Compound Sublist: toxical.sub

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	28291360	0.02500		
27 Toxaphene	4.907	4.907	(2.527)	8931036	0.50000	0.548(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N020.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

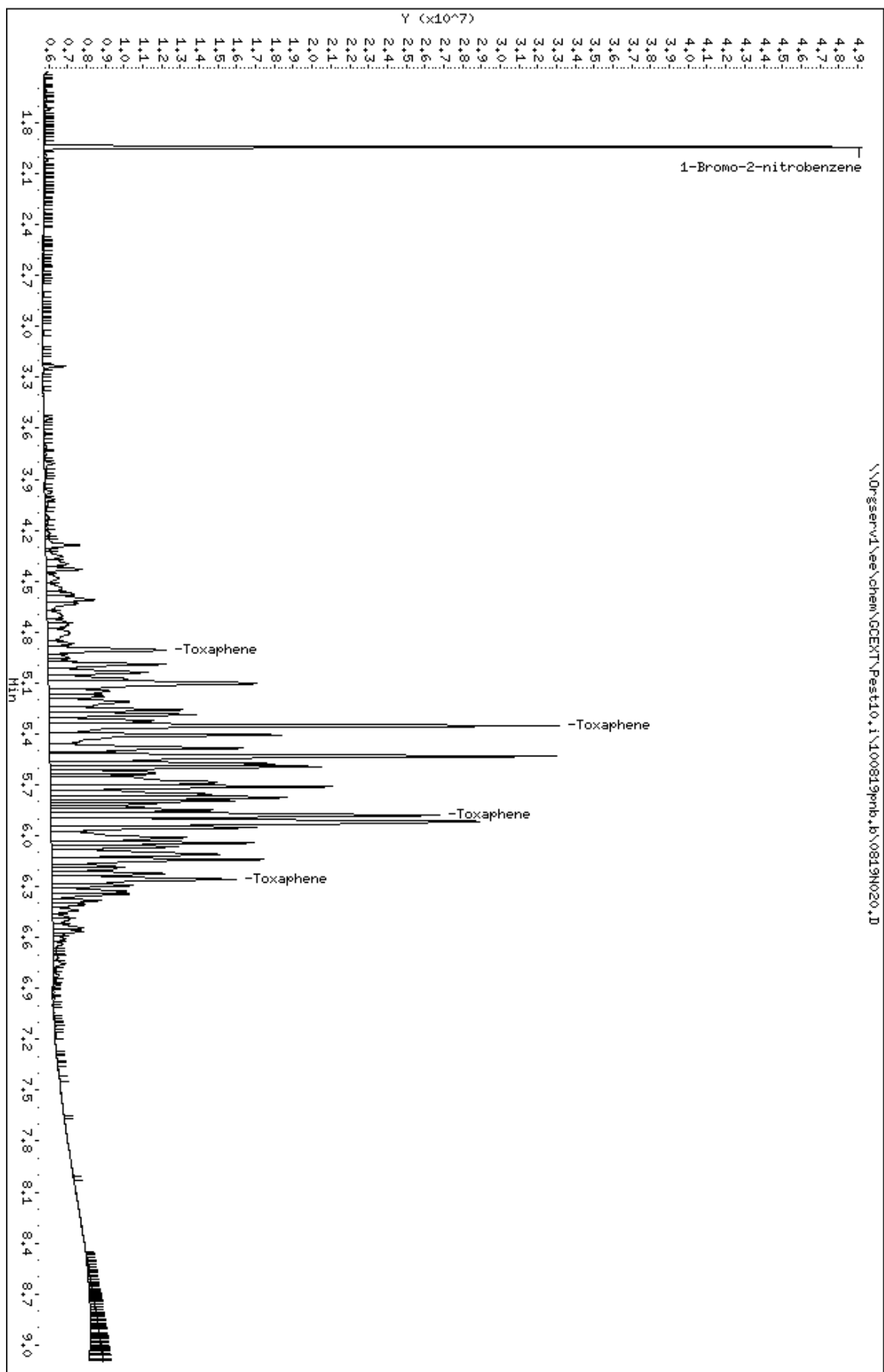
Calibration Date: 19-AUG-2010
Calibration Time: 13:17
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	28291360	14145680	56582720	28291360	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N020.D
Date : 19-AUG-2010 13:17
Client ID:
Sample Info: tox 15 3038
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32
Column phase: Rtx-CLPest10desII



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N020.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 13:17
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox l5 3038
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:05 Cal File: 0819N005.D
 Als bottle: 20 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	28291360	0.02500		
27 Toxaphene	4.907	4.907	(0.000)	8931036	0.50000	0.542(MH)	M2

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

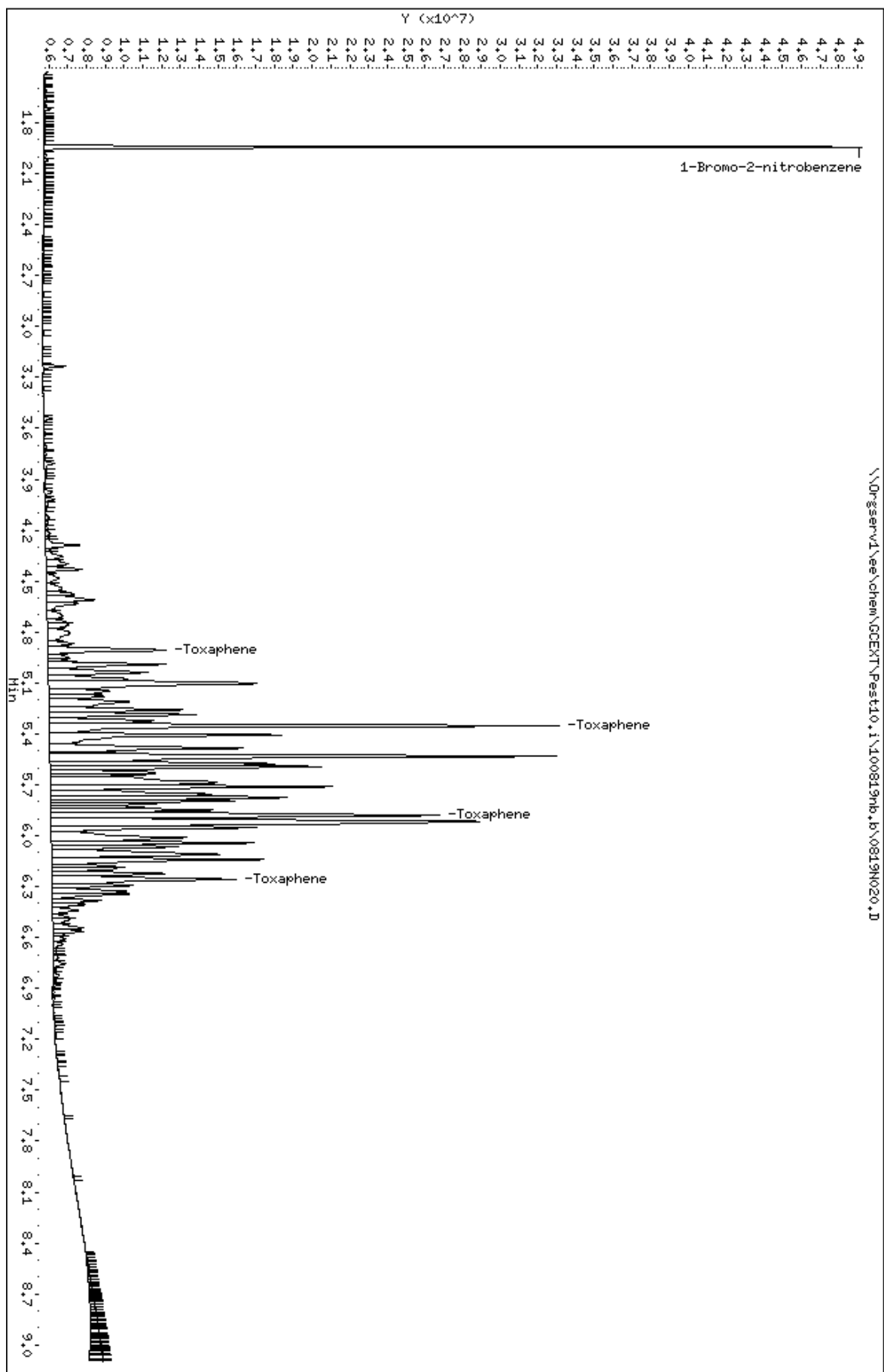
Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N020.D Calibration Time: 13:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	28291360	14145680	56582720	28291360	0.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.00

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgera1\ee\chem\GCENT\Pest10.i\100819nb.b\0819N020.D
Date : 19-AUG-2010 13:17
Client ID:
Sample Info: tox 15 3038
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32
Column phase: Rtx-CLPest10desII



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N021.D
Lab Smp Id:
Inj Date : 19-AUG-2010 13:30
Operator : sh Inst ID: Pest10.i
Smp Info : tox l6 3039
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD
Cal Date : 19-AUG-2010 10:30 Cal File: 0819N007.D
Als bottle: 21 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxical.sub
Target Version: 4.12
Processing Host: ABN-3

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	29156692	0.02500		
27 Toxaphene	4.906	4.906	(2.527)	16516918	1.00000	0.994(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N021.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

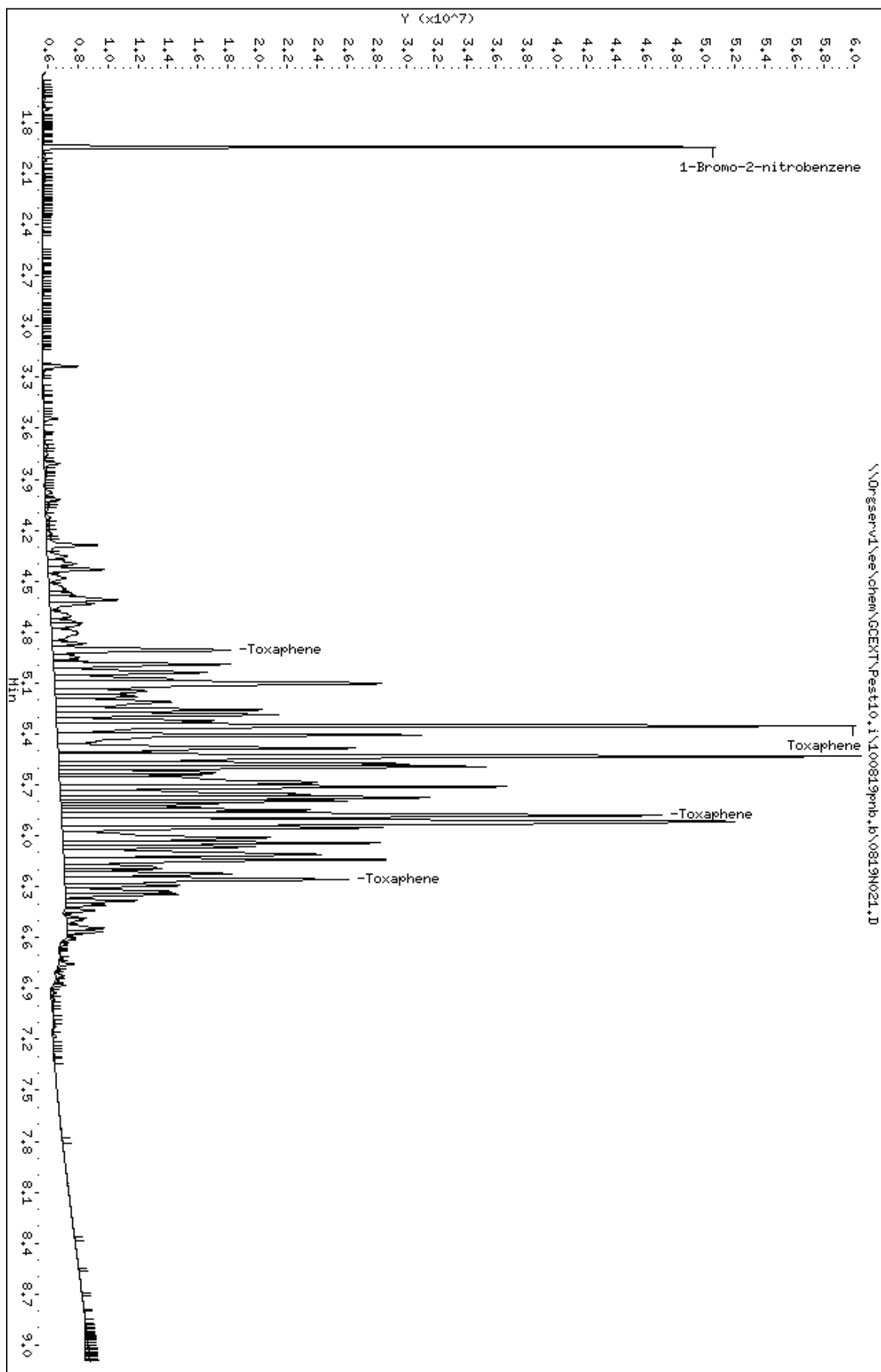
Calibration Date: 19-AUG-2010
Calibration Time: 13:17
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	28291360	14145680	56582720	29156692	3.06

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N021.D
 Date : 19-AUG-2010 13:30
 Client ID:
 Sample Info: tox 16 3039
 Column phase: Rtx-CLPestioideall
 Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N021.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 13:30
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox l6 3039
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:17 Cal File: 0819N006.D
 Als bottle: 21 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	29156692	0.02500		
27 Toxaphene	4.906	4.906	(2.527)	16516918	1.00000	0.991(MH)	M2

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N021.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

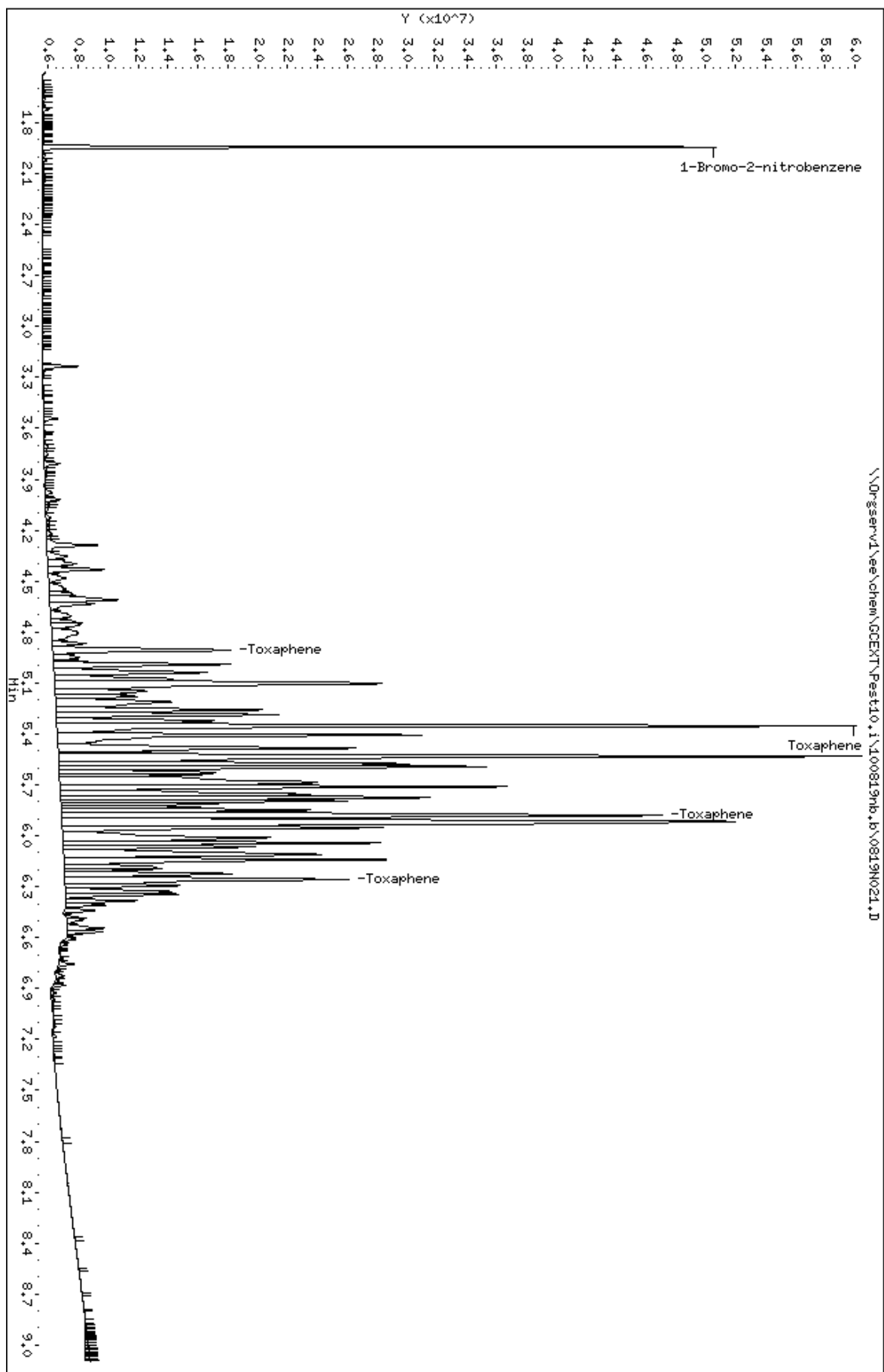
Calibration Date: 19-AUG-2010
Calibration Time: 13:17
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	28291360	14145680	56582720	29156692	3.06

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgera1\ee\chem\GC\EXT\Pest10.i\100819nb.b\0819N024.D
Date : 19-AUG-2010 13:30
Client ID:
Sample Info: tox 16 3039
Column phase: Rtx-CLPest10desII
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N022.D
Lab Smp Id:
Inj Date : 19-AUG-2010 13:43
Operator : sh Inst ID: Pest10.i
Smp Info : tox l7 3040
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD
Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
Als bottle: 22 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: toxical.sub
Target Version: 4.12
Processing Host: ABN-3

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	28888618	0.02500		
27 Toxaphene	4.907	4.907	(2.527)	32555831	2.00000	1.99(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N022.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

Calibration Date: 19-AUG-2010
Calibration Time: 13:17
Level:
Sample Type:

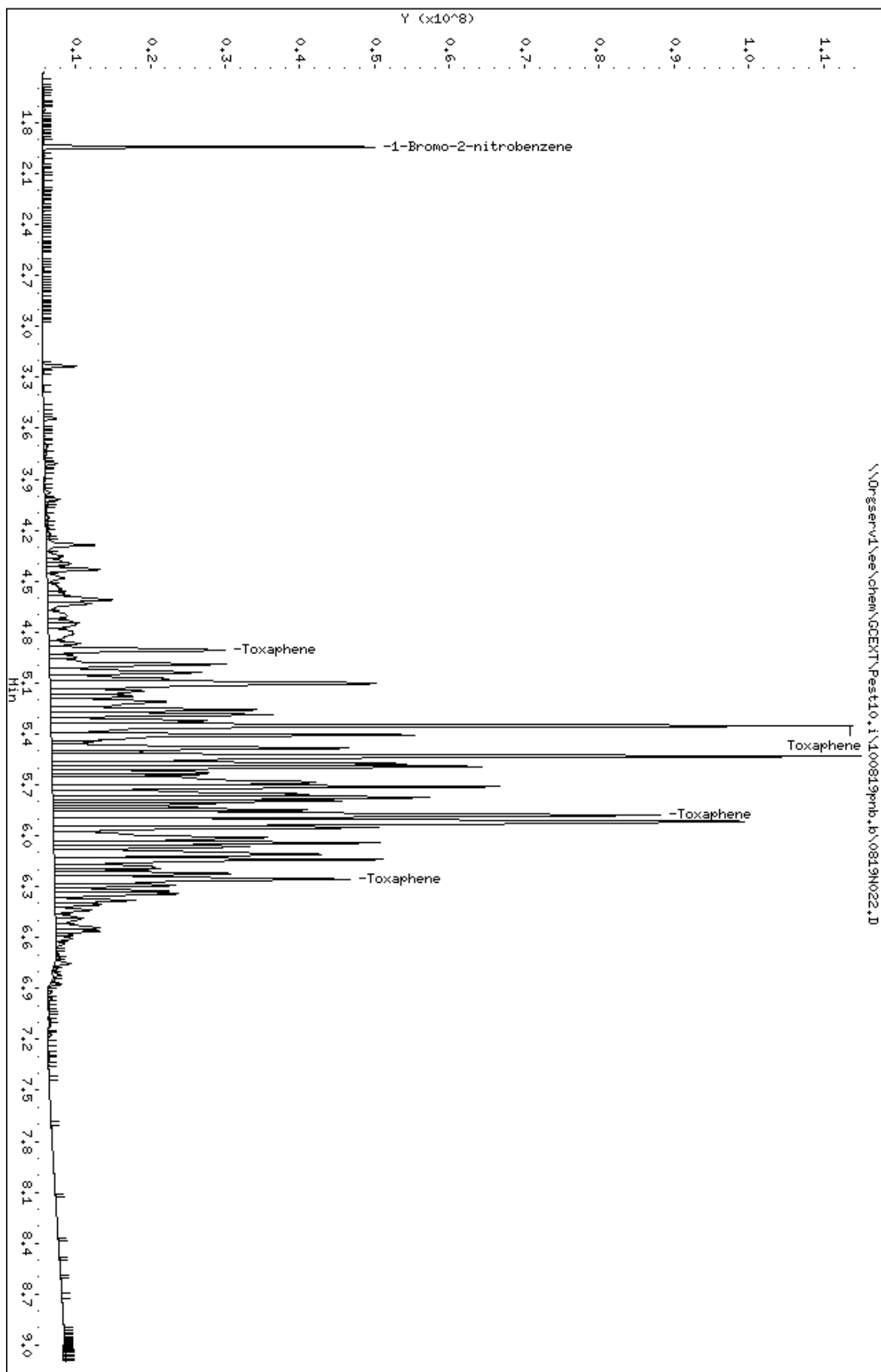
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	28291360	14145680	56582720	28888618	2.11

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drsgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N022.D
Date : 19-AUG-2010 13:43
Client ID:
Sample Info: tox 17 3040
Column phase: Rtx-CLPestioideall

Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N022.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 13:43
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox l7 3040
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:30 Cal File: 0819N007.D
 Als bottle: 22 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxical.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.942	1.942	(1.000)	28888618	0.02500		
27 Toxaphene	4.907	4.907	(2.527)	32555831	2.00000	1.99(MH)	M2

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N022.D Calibration Time: 13:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

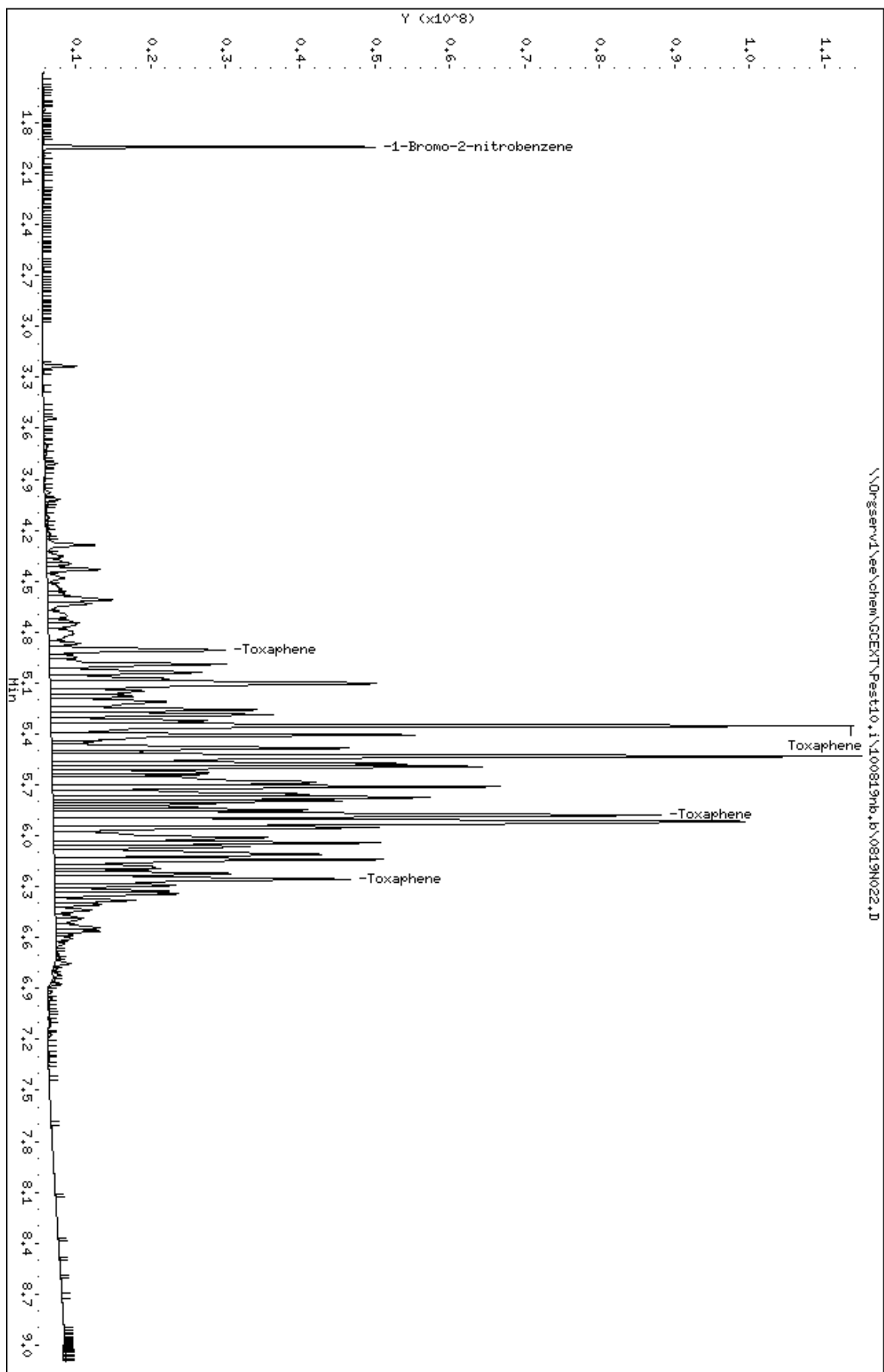
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	28291360	14145680	56582720	28888618	2.11

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgera1\ee\chem\GCENT\Pest10.i\100819nb.b\0819N022.D
Date : 19-AUG-2010 13:43
Client ID:
Sample Info: tox 17 3040
Column phase: Rtx-CLPestioideall

Instrument: Pest10.i
Operator: sh
Column diameter: 0.32



Initial Calibration Verification

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest10.i Injection Date: 19-AUG-2010 13:55
Lab File ID: 0819N023.D Init. Cal. Date(s): 18-JUN-2010 19-AUG-2010
Analysis Type: Init. Cal. Times: 13:58 12:13
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 2 2,4,5,6-Tetrachloro-m-xylene	1.73578	1.25048	1.25048	0.010	27.95846	15.00000	Averaged <-
3 Hexachlorobenzene	1.79462	1.46614	1.46614	0.010	18.30344	15.00000	Averaged <-
4 alpha-BHC	1.63723	1.59965	1.59965	0.010	2.29553	15.00000	Averaged
5 Lindane	1.49852	1.44127	1.44127	0.010	3.82087	15.00000	Averaged
6 beta-BHC	0.71780	0.65460	0.65460	0.010	8.80509	15.00000	Averaged
7 delta-BHC	1.51038	1.47861	1.47861	0.010	2.10303	15.00000	Averaged
8 Heptachlor	1.51343	1.43663	1.43663	0.010	5.07462	15.00000	Averaged
10 Alachlor	0.26647	0.20947	0.20947	0.010	21.39136	15.00000	Averaged <-
9 Aldrin	1.46384	1.42024	1.42024	0.010	2.97884	15.00000	Averaged
11 Heptachlor Epoxide	1.40204	1.30114	1.30114	0.010	7.19657	15.00000	Averaged
12 trans-Chlordane	1.52712	1.38427	1.38427	0.010	9.35446	15.00000	Averaged
13 cis-Chlordane	1.33877	1.30235	1.30235	0.010	2.72021	15.00000	Averaged
15 Endosulfan I	1.24621	1.20840	1.20840	0.010	3.03449	15.00000	Averaged
14 4,4'-DDE	1.42453	1.39759	1.39759	0.010	1.89157	15.00000	Averaged
16 Dieldrin	1.41312	1.34720	1.34720	0.010	4.66452	15.00000	Averaged
17 Endrin	1.15877	1.16830	1.16830	0.010	-0.82278	15.00000	Averaged
18 4,4'-DDD	1.10512	1.07661	1.07661	0.010	2.57908	15.00000	Averaged
19 Endosulfan II	1.08036	1.10631	1.10631	0.010	-2.40286	15.00000	Averaged
20 4,4'-DDT	1.08756	1.10012	1.10012	0.010	-1.15509	15.00000	Averaged
21 Endrin Aldehyde	0.95156	0.94080	0.94080	0.010	1.13032	15.00000	Averaged
23 Endosulfan Sulfate	1.04176	1.04326	1.04326	0.010	-0.14403	15.00000	Averaged
22 Methoxychlor	0.57813	0.56100	0.56100	0.010	2.96229	15.00000	Averaged
24 Endrin Ketone	1.16209	1.12246	1.12246	0.010	3.41023	15.00000	Averaged
\$ 25 Decachlorobiphenyl	1.13540	0.98274	0.98274	0.010	13.44532	15.00000	Averaged

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N023.D

Lab Smp Id:

Inj Date : 19-AUG-2010 13:55

Operator : sh

Inst ID: Pest10.i

Smp Info : pest ICV 3044

Misc Info : wg423905, wg423871, ICAL5202

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m

Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 23

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

Processing Host: KRISTINF

					AMOUNTS		REVIEW CODE
					CAL-AMT	ON-COL	
					(ug/mL)	(ug/mL)	
Compounds	RT	EXP RT	REL RT	RESPONSE			
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	28905101	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.543	2.543	(1.310)	72290562	0.05000	0.0360	
3 Hexachlorobenzene	2.893	2.893	(1.490)	84757959	0.05000	0.0408	
4 alpha-BHC	2.996	2.996	(1.543)	92475914	0.05000	0.0488	
5 Lindane	3.281	3.281	(1.690)	83319909	0.05000	0.0481	
6 beta-BHC	3.343	3.343	(1.722)	37842311	0.05000	0.0456	
7 delta-BHC	3.593	3.593	(1.851)	85478823	0.05000	0.0489	
8 Heptachlor	3.655	3.655	(1.882)	83051794	0.05000	0.0475	
10 Alachlor	3.831	3.831	(1.973)	12109303	0.05000	0.0393	
9 Aldrin	3.940	3.940	(2.029)	82104157	0.05000	0.0485	
11 Heptachlor Epoxide	4.410	4.410	(2.271)	75219405	0.05000	0.0464	
12 trans-Chlordane	4.558	4.558	(2.347)	80024807	0.05000	0.0453	
13 cis-Chlordane	4.671	4.671	(2.406)	75289183	0.05000	0.0486	
15 Endosulfan I	4.716	4.716	(2.429)	69857730	0.05000	0.0485	
14 4,4'-DDE	4.791	4.791	(2.468)	80794854	0.05000	0.0490	
16 Dieldrin	4.923	4.923	(2.535)	77882133	0.05000	0.0477	
17 Endrin	5.145	5.145	(2.650)	67539878	0.05000	0.0504	
18 4,4'-DDD	5.213	5.213	(2.685)	62239229	0.05000	0.0487	
19 Endosulfan II	5.295	5.295	(2.727)	63956287	0.05000	0.0512	
20 4,4'-DDT	5.433	5.433	(2.798)	63598103	0.05000	0.0506	
21 Endrin Aldehyde	5.528	5.528	(2.847)	54387854	0.05000	0.0494	
23 Endosulfan Sulfate	5.715	5.715	(2.943)	60310901	0.05000	0.0501	
22 Methoxychlor	5.891	5.891	(3.034)	32431745	0.05000	0.0485	
24 Endrin Ketone	6.075	6.075	(3.128)	64889862	0.05000	0.0483	
\$ 25 Decachlorobiphenyl	6.853	6.853	(3.529)	56812492	0.05000	0.0433	

Alpha Analytical Labs

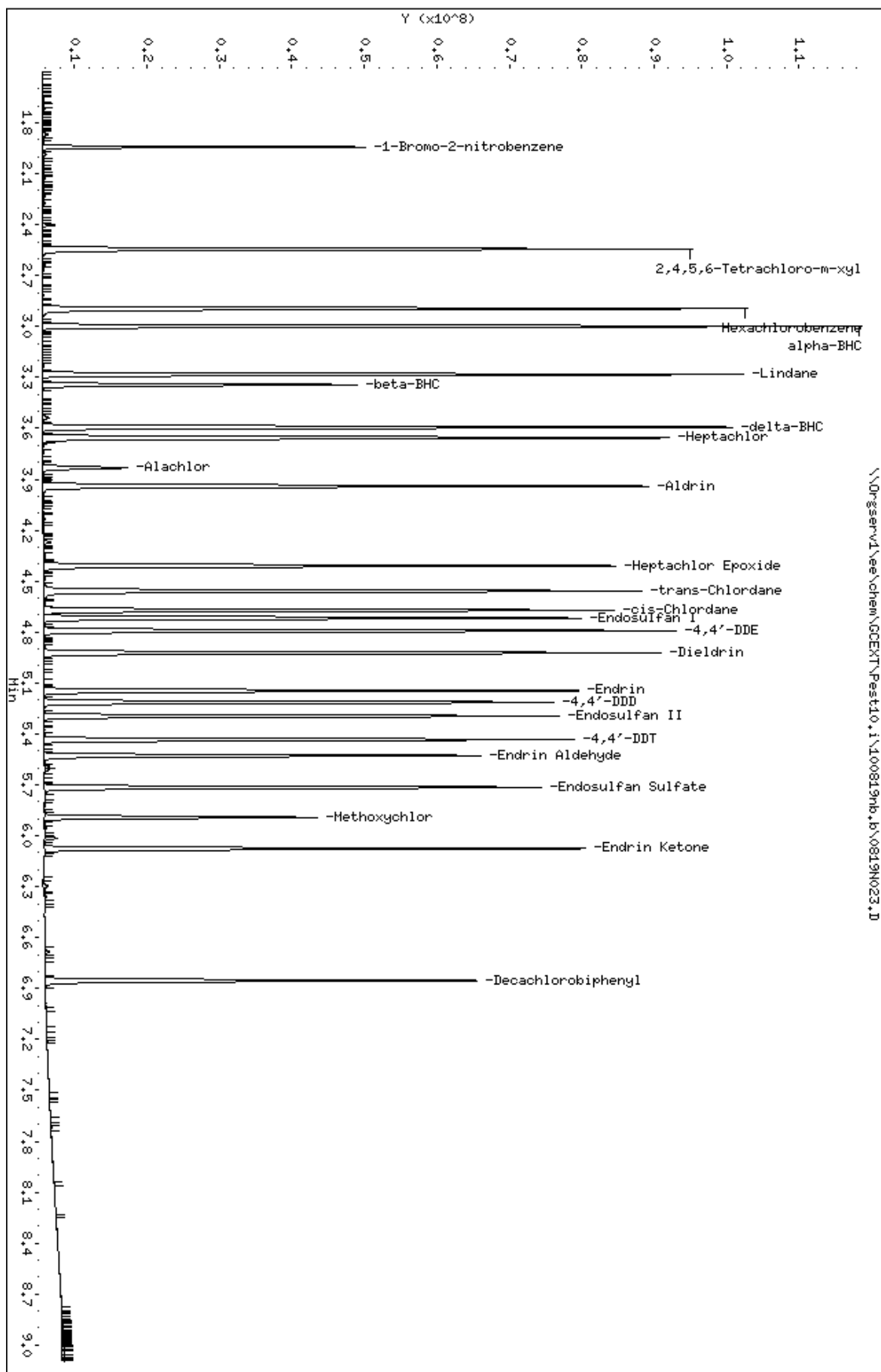
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N023.D Calibration Time: 13:17
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	28291360	14145680	56582720	28905101	2.17

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest10.i Injection Date: 19-AUG-2010 14:08
 Lab File ID: 0819N024.D Init. Cal. Date(s): 18-JUN-2010 19-AUG-2010
 Analysis Type: Init. Cal. Times: 13:58 12:13
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 2,4,5,6-Tetrachloro-m-xylen	1.73578	1.23538	1.23538	0.010	28.82827	15.00000	Averaged<-
25 Decachlorobiphenyl	1.13540	1.03115	1.03115	0.010	9.18218	15.00000	Averaged
26 Chlordane(1)	0.05079	0.04119	0.04119	0.010	18.90452	15.00000	Averaged<-
(2)	0.07093	0.07658	0.07658	0.010	-7.96852	15.00000	Averaged
(3)	0.17221	0.14717	0.14717	0.010	14.54071	15.00000	Averaged
(4)	0.13742	0.13128	0.13128	0.010	4.46707	15.00000	Averaged
(5)	0.12722	0.11808	0.11808	0.010	7.18463	15.00000	Averaged

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N024.D
Lab Smp Id:
Inj Date : 19-AUG-2010 14:08
Operator : sh Inst ID: Pest10.i
Smp Info : chlor ICV 3055
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD
Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
Als bottle: 24 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlorCC.sub
Target Version: 4.12
Processing Host: ABN-3

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	28830544	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.543	2.543	(1.310)	71233532	0.05000	0.0356	
\$ 25 Decachlorobiphenyl	6.848	6.848	(3.527)	59456960	0.05000	0.0454	
26 Chlordane	3.531	3.531	(1.819)	22905916	0.50000	0.391	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N024.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

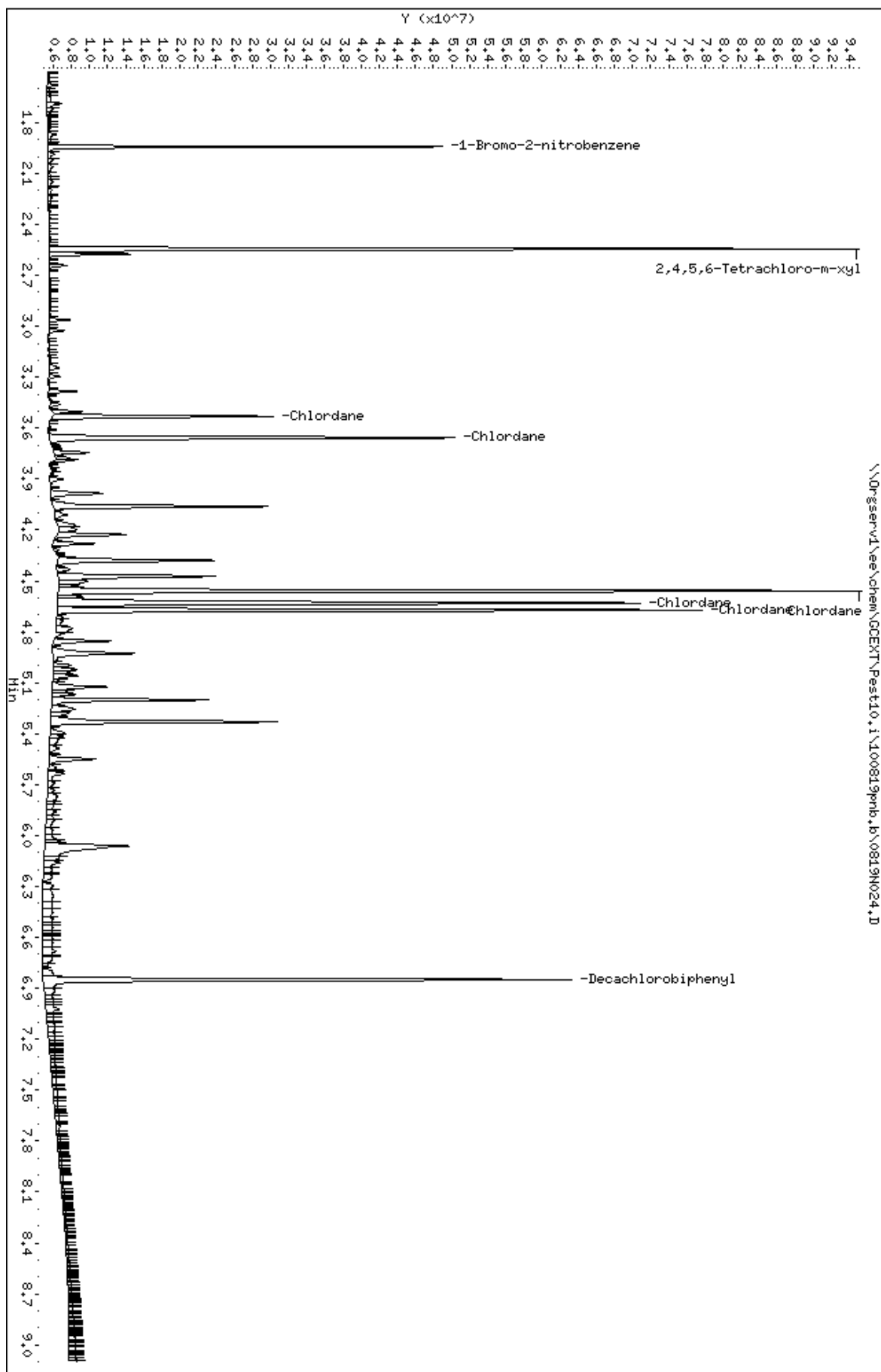
Calibration Date: 19-AUG-2010
Calibration Time: 13:17
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	28291360	14145680	56582720	28830544	1.91

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Dragserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N024.D
 Date : 19-AUG-2010 14:08
 Client ID:
 Sample Info: chlor ICV 3055
 Column phase: Rtx-CLPest10idesII
 Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N024.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 14:08
 Operator : sh Inst ID: Pest10.i
 Smp Info : chlor ICV 3055
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 18:05 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 09:39 Cal File: 0819N003.D
 Als bottle: 24 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorCC.sub
 Target Version: 4.12

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	28830544	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.543	2.543	(0.000)	71233532	0.05000	0.0356(M)	M2
\$ 25 Decachlorobiphenyl	6.848	6.848	(0.000)	59456960	0.05000	0.0454(M)	M2
26 Chlordane	3.531	3.531	(1.819)	23747930	0.50000	0.405(M)	M2

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 19-AUG-2010
 Lab File ID: 0819N024.D Calibration Time: 14:21
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Misc Info: wg423905, wg423871, ICAL5202

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29503569	14751785	59007138	28830544	-2.28

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgera1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N024.D

Date : 19-AUG-2010 14:08

Client ID:

Sample Info: chlor ICV 3055

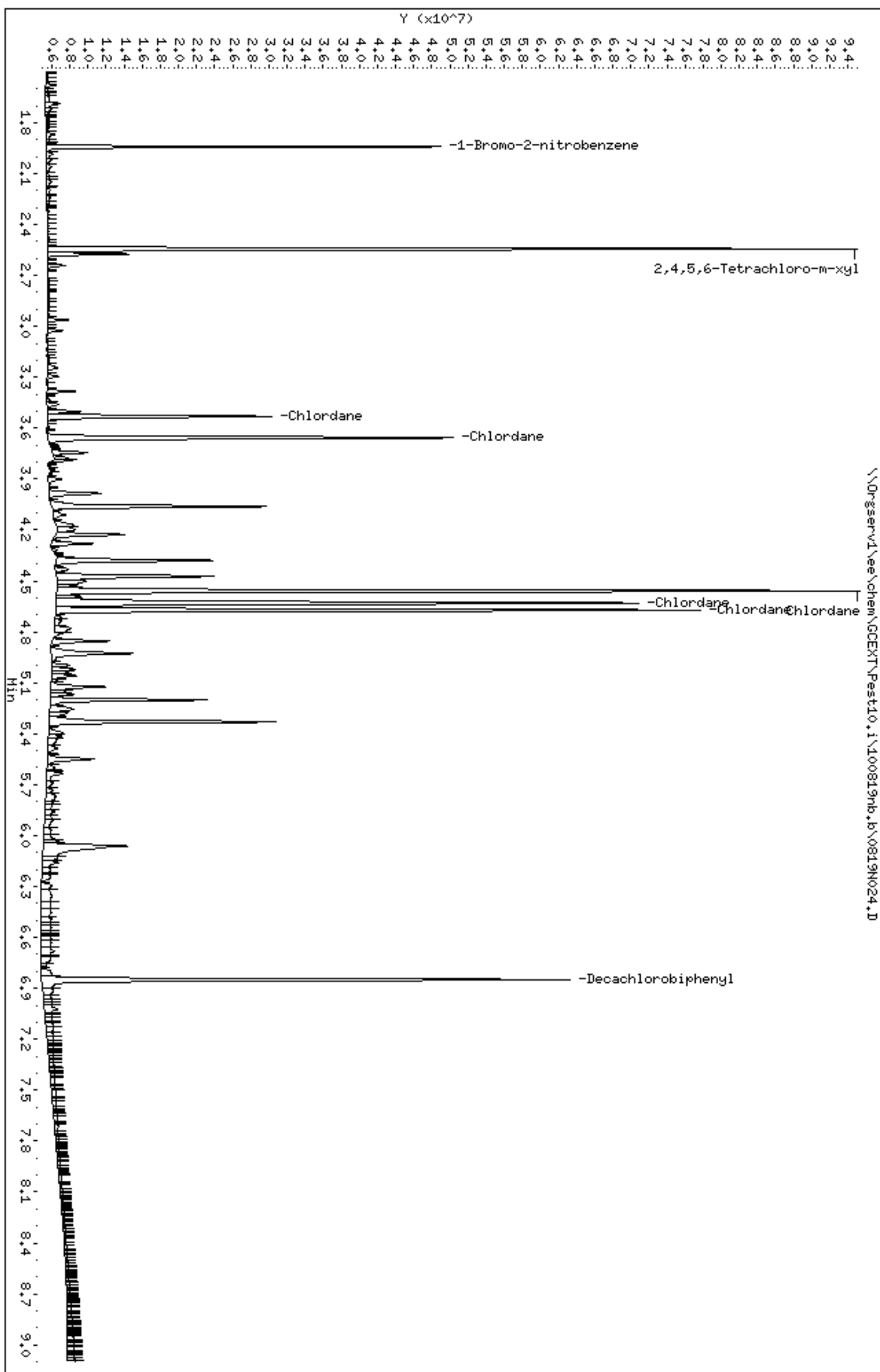
Column phase: Rtx-CLPestioideall

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

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Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest10.i Injection Date: 19-AUG-2010 14:21
 Lab File ID: 0819N025.D Init. Cal. Date(s): 18-JUN-2010 19-AUG-2010
 Analysis Type: Init. Cal. Times: 13:58 13:43
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 2,4,5,6-Tetrachloro-m-xylene	1.73578	1.23090	1.23090	0.010	29.08656	15.00000	Averaged
25 Decachlorobiphenyl	1.13540	0.98394	0.98394	0.010	13.33960	15.00000	Averaged
27 Toxaphene(1)	0.50000	0.52782	0.01537	0.010	-5.56374	15.00000	Linear
(2)	0.50000	0.42511	0.04615	0.010	14.97795	15.00000	Linear
(3)	0.50000	0.49830	0.04939	0.010	0.33935	15.00000	Linear
(4)	0.50000	0.56395	0.02767	0.010	-12.79018	15.00000	Linear

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N025.D
Lab Smp Id:
Inj Date : 19-AUG-2010 14:21
Operator : sh
Smp Info : tox ICV 3056
Misc Info : wg423905, wg423871, ICAL5202
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Meth Date : 30-Aug-2010 20:29 lwesterlin Quant Type: ISTD
Cal Date : 19-AUG-2010 10:43
Als bottle: 25
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.12
Processing Host: ABN-3

Inst ID: Pest10.i

Cal File: 0819N008.D

Continuing Calibration Sample

Compound Sublist: toxCC.sub

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	29503569	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.543	2.543	(1.310)	72631866	0.05000	0.0354	
\$ 25 Decachlorobiphenyl	6.851	6.851	(3.529)	58059600	0.05000	0.0433	
27 Toxaphene	4.908	4.908	(2.528)	10819293	0.50000	0.639(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N025.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

Calibration Date: 19-AUG-2010
Calibration Time: 14:08
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	28830544	14415272	57661088	29503569	2.33

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100819pnb.b\0819N025.D

Date : 19-AUG-2010 14:21

Client ID:

Sample Info: tox ICV 3056

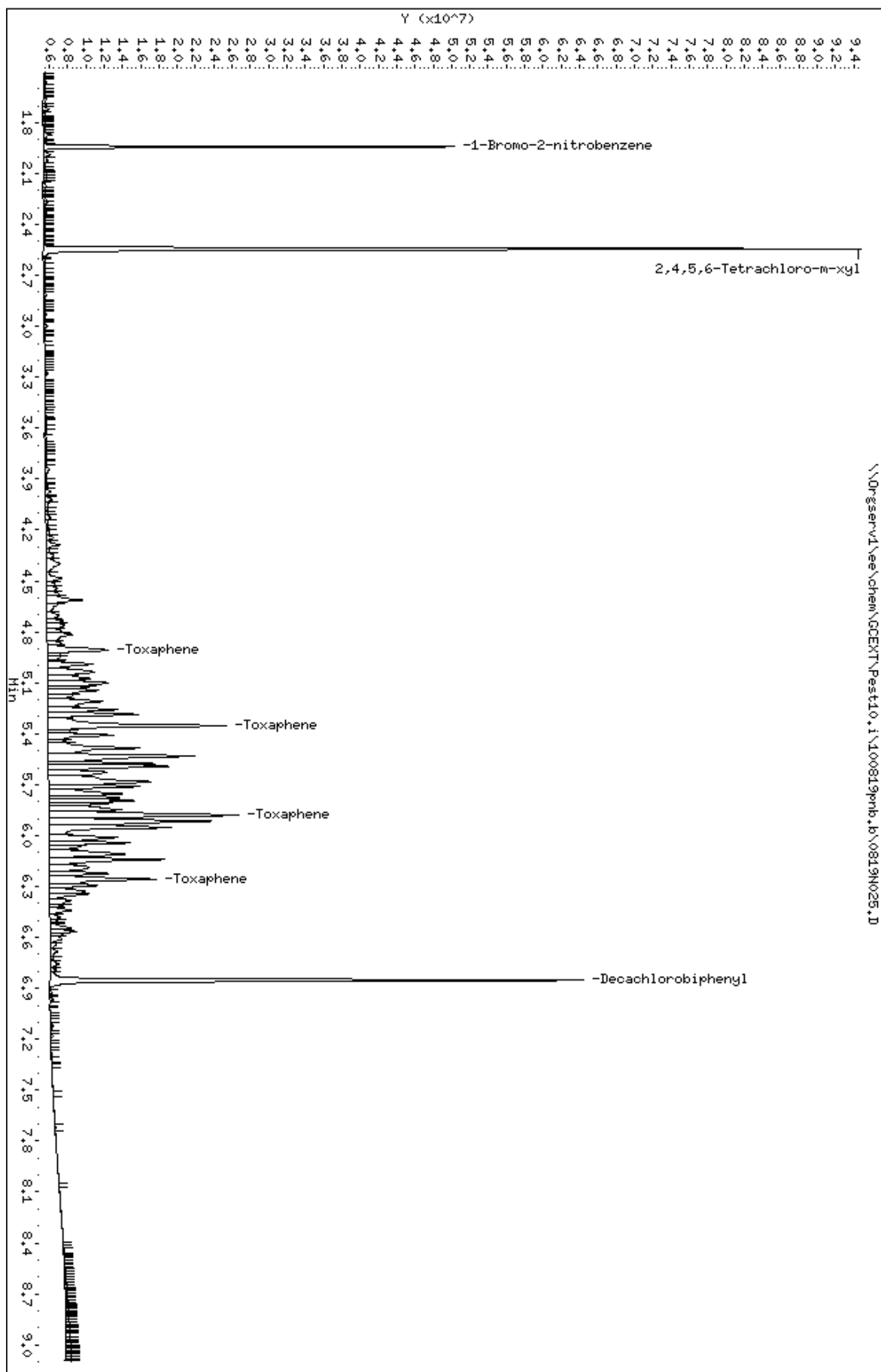
Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

Column phase: Rtx-CLPesticidesII

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Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N025.D
 Lab Smp Id:
 Inj Date : 19-AUG-2010 14:21
 Operator : sh Inst ID: Pest10.i
 Smp Info : tox ICV 3056
 Misc Info : wg423905, wg423871, ICAL5202
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
 Meth Date : 30-Aug-2010 17:38 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 25 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxCC.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.941	1.941	(1.000)	29503569	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.543	2.543	(1.310)	72631866	0.05000	0.0354	
\$ 25 Decachlorobiphenyl	6.851	6.851	(3.529)	58059600	0.05000	0.0433	
27 Toxaphene	4.908	4.908	(2.528)	9072145	0.50000	0.528(MH)	M4

QC Flag Legend

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

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 0819N025.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100819nb.b\Pest10b.m
Misc Info: wg423905, wg423871, ICAL5202

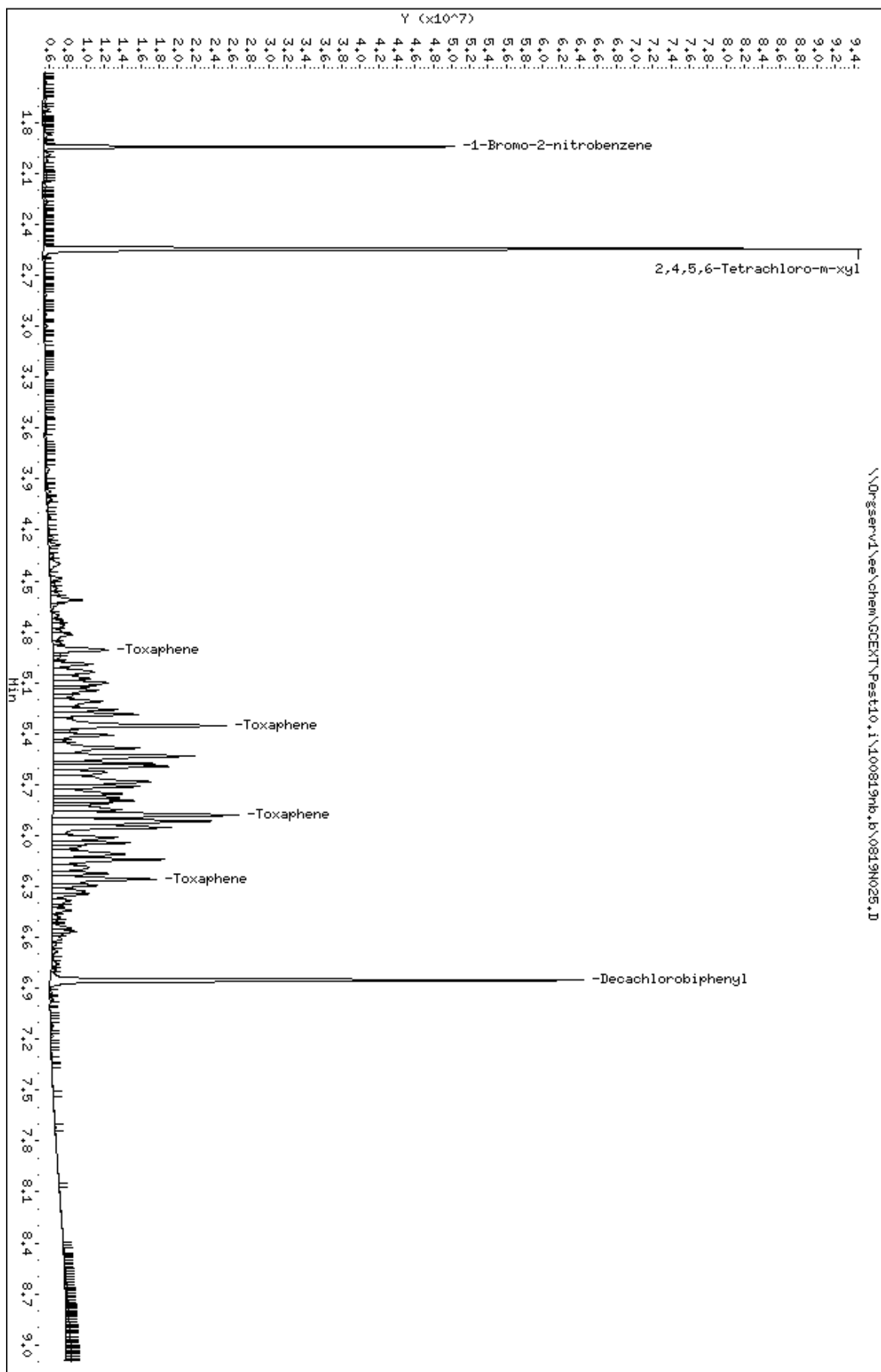
Calibration Date: 19-AUG-2010
Calibration Time: 14:08
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	28830544	14415272	57661088	29503569	2.33

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgera1\ee\chem\GCEXT\Pest10.i\100819nb.b\0819N025.D
Date : 19-AUG-2010 14:21
Client ID:
Sample Info: tox ICV 3056
Instrument: Pest10.i
Operator: sh
Column diameter: 0.32
Column phase: Rtx-CLPest10idesII



Continuing Calibration

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date: 27-AUG-2010 Time: 09:53

Lab File ID: 08270002.D Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Sample No: pest 3076 Init. Calib. Times : 13:58 13:43

Injection Time: 27-AUG-2010 09:53

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 2,4,5,6-Tetrachloro-m-xylene	1.56429	1.53218	1.53218	0.010	2.05274	15.00000	Averaged
3 Hexachlorobenzene	1.59041	1.49854	1.49854	0.010	5.77610	15.00000	Averaged
4 alpha-BHC	1.62311	1.76624	1.76624	0.010	-8.81769	15.00000	Averaged
5 Lindane	1.50154	1.62562	1.62562	0.010	-8.26345	15.00000	Averaged
6 beta-BHC	0.72179	0.74059	0.74059	0.010	-2.60439	15.00000	Averaged
7 delta-BHC	1.51593	1.71266	1.71266	0.010	-12.97753	15.00000	Averaged
8 Heptachlor	1.59466	1.63601	1.63601	0.010	-2.59273	15.00000	Averaged
9 Aldrin	1.43019	1.57585	1.57585	0.010	-10.18425	15.00000	Averaged
10 Alachlor	0.25998	0.24178	0.24178	0.010	7.00203	15.00000	Averaged
11 Heptachlor Epoxide	1.50168	1.53511	1.53511	0.010	-2.22578	15.00000	Averaged
12 trans-Chlordane	1.61333	1.60175	1.60175	0.010	0.71798	15.00000	Averaged
13 cis-Chlordane	1.44484	1.50497	1.50497	0.010	-4.16176	15.00000	Averaged
14 4,4'-DDE	1.43916	1.62568	1.62568	0.010	-12.96020	15.00000	Averaged
15 Endosulfan I	1.33811	1.45952	1.45952	0.010	-9.07366	15.00000	Averaged
16 Dieldrin	1.49244	1.62426	1.62426	0.010	-8.83292	15.00000	Averaged
17 Endrin	1.43422	1.50312	1.50312	0.010	-4.80441	15.00000	Averaged
18 4,4'-DDD	1.24055	1.42467	1.42467	0.010	-14.84143	15.00000	Averaged
19 Endosulfan II	1.30685	1.39917	1.39917	0.010	-7.06416	15.00000	Averaged
20 4,4'-DDT	1.35121	1.33284	1.33284	0.010	1.35935	15.00000	Averaged
21 Endrin Aldehyde	1.07214	1.21932	1.21932	0.010	-13.72802	15.00000	Averaged
22 Methoxychlor	0.78894	0.73863	0.73863	0.010	6.37636	15.00000	Averaged
23 Endosulfan Sulfate	1.32943	1.45585	1.45585	0.010	-9.50983	15.00000	Averaged
24 Endrin Ketone	1.65035	1.78266	1.78266	0.010	-8.01731	15.00000	Averaged
\$ 25 Decachlorobiphenyl	1.59723	1.65631	1.65631	0.010	-3.69953	15.00000	Averaged

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7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date: 27-AUG-2010 Time: 10:06

Lab File ID: 08270003.D Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Sample No: chlor 3055 Init. Calib. Times : 13:58 13:43

Injection Time: 27-AUG-2010 10:06

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 2,4,5,6-Tetrachloro-m-xylene	1.56429	1.28959	1.28959	0.010	17.56080	15.00000	Averaged<-
25 Decachlorobiphenyl	1.59723	1.32086	1.32086	0.010	17.30294	15.00000	Averaged<-
26 Chlordane(1)	0.04825	0.04270	0.04270	0.010	11.48826	15.00000	Averaged
(2)	0.06937	0.08154	0.08154	0.010	-17.54571	15.00000	Averaged<-
(3)	0.16130	0.14291	0.14291	0.010	11.40041	15.00000	Averaged
(4)	0.14989	0.16975	0.16975	0.010	-13.25523	15.00000	Averaged

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7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date: 27-AUG-2010 Time: 10:37

Lab File ID: 08270004.D Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Sample No: tox 3056 Init. Calib. Times : 13:58 13:43

Injection Time: 27-AUG-2010 10:37

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 2,4,5,6-Tetrachloro-m-xylene	1.56429	1.41872	1.41872	0.010	9.30559	15.00000	Averaged
25 Decachlorobiphenyl	1.59723	0.01622	0.01622	0.010	98.98446	15.00000	Averaged
27 Toxaphene(1)	0.50000	0.55081	0.02369	0.010	-10.16227	15.00000	Linear
(2)	0.50000	0.51218	0.07396	0.010	-2.43576	15.00000	Linear
(3)	0.50000	0.54066	0.05857	0.010	-8.13106	15.00000	Linear
(4)	0.50000	0.55210	0.05483	0.010	-10.41929	15.00000	Linear
(5)	0.50000	0.46428	0.03180	0.010	7.14475	15.00000	Linear

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7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date: 27-AUG-2010 Time: 21:59

Lab File ID: 08270023.D Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Sample No: +pest cc pp3076 Init. Calib. Times : 13:58 13:43

Injection Time: 27-AUG-2010 21:59

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 2,4,5,6-Tetrachloro-m-xylen	1.56429	1.51120	1.51120	0.010	3.39396	15.00000	Averaged
3 Hexachlorobenzene	1.59041	1.46559	1.46559	0.010	7.84797	15.00000	Averaged
4 alpha-BHC	1.62311	1.71785	1.71785	0.010	-5.83645	15.00000	Averaged
5 Lindane	1.50154	1.56697	1.56697	0.010	-4.35769	15.00000	Averaged
6 beta-BHC	0.72179	0.70261	0.70261	0.010	2.65689	15.00000	Averaged
7 delta-BHC	1.51593	1.60923	1.60923	0.010	-6.15473	15.00000	Averaged
8 Heptachlor	1.59466	1.57594	1.57594	0.010	1.17385	15.00000	Averaged
9 Aldrin	1.43019	1.50079	1.50079	0.010	-4.93595	15.00000	Averaged
10 Alachlor	0.25998	0.23420	0.23420	0.010	9.91675	15.00000	Averaged
11 Heptachlor Epoxide	1.50168	1.46206	1.46206	0.010	2.63892	15.00000	Averaged
12 trans-Chlordane	1.61333	1.50049	1.50049	0.010	6.99457	15.00000	Averaged
13 cis-Chlordane	1.44484	1.42911	1.42911	0.010	1.08910	15.00000	Averaged
14 4,4'-DDE	1.43916	1.51609	1.51609	0.010	-5.34561	15.00000	Averaged
15 Endosulfan I	1.33811	1.37481	1.37481	0.010	-2.74256	15.00000	Averaged
16 Dieldrin	1.49244	1.51963	1.51963	0.010	-1.82202	15.00000	Averaged
17 Endrin	1.43422	1.39338	1.39338	0.010	2.84729	15.00000	Averaged
18 4,4'-DDD	1.24055	1.30898	1.30898	0.010	-5.51553	15.00000	Averaged
19 Endosulfan II	1.30685	1.30098	1.30098	0.010	0.44960	15.00000	Averaged
20 4,4'-DDT	1.35121	1.23109	1.23109	0.010	8.88974	15.00000	Averaged
21 Endrin Aldehyde	1.07214	1.12123	1.12123	0.010	-4.57907	15.00000	Averaged
22 Methoxychlor	0.78894	0.67624	0.67624	0.010	14.28504	15.00000	Averaged
23 Endosulfan Sulfate	1.32943	1.34025	1.34025	0.010	-0.81421	15.00000	Averaged
24 Endrin Ketone	1.65035	1.66478	1.66478	0.010	-0.87459	15.00000	Averaged
\$ 25 Decachlorobiphenyl	1.59723	1.56686	1.56686	0.010	1.90122	15.00000	Averaged

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GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date: 27-AUG-2010 Time: 22:11

Lab File ID: 08270024.D Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Sample No: +chlor cc pp305 Init. Calib. Times : 13:58 13:43

Injection Time: 27-AUG-2010 22:11

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 2,4,5,6-Tetrachloro-m-xylene	1.56429	1.24815	1.24815	0.010	20.20994	15.00000	Averaged <-
25 Decachlorobiphenyl	1.59723	1.27283	1.27283	0.010	20.31023	15.00000	Averaged <-
26 Chlordane(1)	0.04825	0.03989	0.03989	0.010	17.31720	15.00000	Averaged <-
(2)	0.06937	0.07650	0.07650	0.010	-10.27090	15.00000	Averaged
(3)	0.16130	0.15122	0.15122	0.010	6.25073	15.00000	Averaged
(4)	0.14989	0.14064	0.14064	0.010	6.17013	15.00000	Averaged

FORM VII NYTCL-8081

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date: 27-AUG-2010 Time: 22:24

Lab File ID: 08270025.D Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Sample No: +tox cc pp3090 Init. Calib. Times : 13:58 13:43

Injection Time: 27-AUG-2010 22:24

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 2,4,5,6-Tetrachloro-m-xylene	1.56429	1.44928	1.44928	0.010	7.35192	15.00000	Averaged
25 Decachlorobiphenyl	1.59723	1.60709	1.60709	0.010	-0.61781	15.00000	Averaged
27 Toxaphene(1)	0.50000	0.60143	0.02589	0.010	-20.28572	15.00000	Linear<-
(2)	0.50000	0.54395	0.07857	0.010	-8.79090	15.00000	Linear
(3)	0.50000	0.58347	0.06327	0.010	-16.69454	15.00000	Linear<-
(4)	0.50000	0.59903	0.05960	0.010	-19.80597	15.00000	Linear<-
(5)	0.50000	0.50886	0.03498	0.010	-1.77241	15.00000	Linear

FORM VII NYTCL-8081

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date: 28-AUG-2010 Time: 00:19

Lab File ID: 08270034.D Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Sample No: +pest cc pp3076 Init. Calib. Times : 13:58 13:43

Injection Time: 28-AUG-2010 00:19

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 2,4,5,6-Tetrachloro-m-xylen	1.56429	1.51728	1.51728	0.010	3.00523	15.00000	Averaged
3 Hexachlorobenzene	1.59041	1.49194	1.49194	0.010	6.19154	15.00000	Averaged
4 alpha-BHC	1.62311	1.72783	1.72783	0.010	-6.45145	15.00000	Averaged
5 Lindane	1.50154	1.59277	1.59277	0.010	-6.07594	15.00000	Averaged
6 beta-BHC	0.72179	0.72406	0.72406	0.010	-0.31421	15.00000	Averaged
7 delta-BHC	1.51593	1.66476	1.66476	0.010	-9.81827	15.00000	Averaged
8 Heptachlor	1.59466	1.62056	1.62056	0.010	-1.62436	15.00000	Averaged
9 Aldrin	1.43019	1.53461	1.53461	0.010	-7.30080	15.00000	Averaged
10 Alachlor	0.25998	0.23397	0.23397	0.010	10.00734	15.00000	Averaged
11 Heptachlor Epoxide	1.50168	1.50755	1.50755	0.010	-0.39040	15.00000	Averaged
12 trans-Chlordane	1.61333	1.56166	1.56166	0.010	3.20281	15.00000	Averaged
13 cis-Chlordane	1.44484	1.43683	1.43683	0.010	0.55466	15.00000	Averaged
14 4,4'-DDE	1.43916	1.59237	1.59237	0.010	-10.64629	15.00000	Averaged
15 Endosulfan I	1.33811	1.43036	1.43036	0.010	-6.89387	15.00000	Averaged
16 Dieldrin	1.49244	1.59088	1.59088	0.010	-6.59621	15.00000	Averaged
17 Endrin	1.43422	1.48943	1.48943	0.010	-3.84936	15.00000	Averaged
18 4,4'-DDD	1.24055	1.38594	1.38594	0.010	-11.71977	15.00000	Averaged
19 Endosulfan II	1.30685	1.38171	1.38171	0.010	-5.72785	15.00000	Averaged
20 4,4'-DDT	1.35121	1.34644	1.34644	0.010	0.35253	15.00000	Averaged
21 Endrin Aldehyde	1.07214	1.16738	1.16738	0.010	-8.88295	15.00000	Averaged
22 Methoxychlor	0.78894	0.75153	0.75153	0.010	4.74181	15.00000	Averaged
23 Endosulfan Sulfate	1.32943	1.43165	1.43165	0.010	-7.68958	15.00000	Averaged
24 Endrin Ketone	1.65035	1.78680	1.78680	0.010	-8.26798	15.00000	Averaged
25 Decachlorobiphenyl	1.59723	1.63596	1.63596	0.010	-2.42545	15.00000	Averaged

FORM VII NYTCL-8081

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date: 27-AUG-2010 Time: 09:53

Lab File ID: 08270002.D Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Sample No: pest 3076 Init. Calib. Times : 13:58 13:43

Injection Time: 27-AUG-2010 09:53

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 2,4,5,6-Tetrachloro-m-xylene	1.73578	1.61834	1.61834	0.010	6.76586	15.00000	Averaged
3 Hexachlorobenzene	1.79462	1.75311	1.75311	0.010	2.31276	15.00000	Averaged
4 alpha-BHC	1.63723	1.64786	1.64786	0.010	-0.64956	15.00000	Averaged
5 Lindane	1.49852	1.48356	1.48356	0.010	0.99835	15.00000	Averaged
6 beta-BHC	0.71780	0.70127	0.70127	0.010	2.30197	15.00000	Averaged
7 delta-BHC	1.51038	1.55195	1.55195	0.010	-2.75295	15.00000	Averaged
8 Heptachlor	1.51343	1.44688	1.44688	0.010	4.39735	15.00000	Averaged
10 Alachlor	0.26647	0.22268	0.22268	0.010	16.43076	15.00000	Averaged<-
9 Aldrin	1.46384	1.48841	1.48841	0.010	-1.67857	15.00000	Averaged
11 Heptachlor Epoxide	1.40204	1.35791	1.35791	0.010	3.14802	15.00000	Averaged
12 trans-Chlordane	1.52712	1.44332	1.44332	0.010	5.48769	15.00000	Averaged
13 cis-Chlordane	1.33877	1.39961	1.39961	0.010	-4.54458	15.00000	Averaged
15 Endosulfan I	1.24621	1.26125	1.26125	0.010	-1.20656	15.00000	Averaged
14 4,4'-DDE	1.42453	1.54945	1.54945	0.010	-8.76902	15.00000	Averaged
16 Dieldrin	1.41312	1.43788	1.43788	0.010	-1.75215	15.00000	Averaged
17 Endrin	1.15877	1.24830	1.24830	0.010	-7.72622	15.00000	Averaged
18 4,4'-DDD	1.10512	1.21742	1.21742	0.010	-10.16272	15.00000	Averaged
19 Endosulfan II	1.08036	1.15720	1.15720	0.010	-7.11307	15.00000	Averaged
20 4,4'-DDT	1.08756	1.07913	1.07913	0.010	0.77485	15.00000	Averaged
21 Endrin Aldehyde	0.95156	0.99760	0.99760	0.010	-4.83885	15.00000	Averaged
23 Endosulfan Sulfate	1.04176	1.15082	1.15082	0.010	-10.46879	15.00000	Averaged
22 Methoxychlor	0.57813	0.54342	0.54342	0.010	6.00399	15.00000	Averaged
24 Endrin Ketone	1.16209	1.23382	1.23382	0.010	-6.17233	15.00000	Averaged
\$ 25 Decachlorobiphenyl	1.13540	1.29186	1.29186	0.010	-13.78015	15.00000	Averaged

FORM VII NYTCL-8081

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date: 27-AUG-2010 Time: 10:06

Lab File ID: 08270003.D Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Sample No: chlor 3055 Init. Calib. Times : 13:58 13:43

Injection Time: 27-AUG-2010 10:06

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 2,4,5,6-Tetrachloro-m-xylene	1.73578	1.33080	1.33080	0.010	23.33126	15.00000	Averaged<-
25 Decachlorobiphenyl	1.13540	1.01740	1.01740	0.010	10.39250	15.00000	Averaged
26 Chlordane(1)	0.05079	0.04241	0.04241	0.010	16.49806	15.00000	Averaged<-
(2)	0.07093	0.07553	0.07553	0.010	-6.47984	15.00000	Averaged
(3)	0.17221	0.14908	0.14908	0.010	13.43047	15.00000	Averaged
(4)	0.13742	0.13343	0.13343	0.010	2.90516	15.00000	Averaged
(5)	0.12722	0.12125	0.12125	0.010	4.69869	15.00000	Averaged

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7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date: 27-AUG-2010 Time: 10:37

Lab File ID: 08270004.D Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Sample No: tox 3056 Init. Calib. Times : 13:58 13:43

Injection Time: 27-AUG-2010 10:37

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 2,4,5,6-Tetrachloro-m-xylene	1.73578	1.49183	1.49183	0.010	14.05417	15.00000	Averaged
25 Decachlorobiphenyl	1.13540	1.23772	1.23772	0.010	-9.01150	15.00000	Averaged
27 Toxaphene(1)	0.50000	0.80751	0.02320	0.010	-61.50107	15.00000	Linear<-
(2)	0.50000	0.58918	0.06364	0.010	-17.83542	15.00000	Linear<-
(3)	0.50000	0.58361	0.05780	0.010	-16.72291	15.00000	Linear<-
(4)	0.50000	0.57244	0.02809	0.010	-14.48877	15.00000	Linear
(5)	0.50000	++++	0.00396	0.010	++++	15.00000	Linear<-

FORM VII NYTCL-8081

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date: 27-AUG-2010 Time: 21:59

Lab File ID: 08270023.D Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Sample No: +pest cc pp3076 Init. Calib. Times : 13:58 13:43

Injection Time: 27-AUG-2010 21:59

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 2,4,5,6-Tetrachloro-m-xylene	1.73578	1.55693	1.55693	0.010	10.30359	15.00000	Averaged
3 Hexachlorobenzene	1.79462	1.70113	1.70113	0.010	5.20937	15.00000	Averaged
4 alpha-BHC	1.63723	1.62073	1.62073	0.010	1.00783	15.00000	Averaged
5 Lindane	1.49852	1.44080	1.44080	0.010	3.85205	15.00000	Averaged
6 beta-BHC	0.71780	0.67464	0.67464	0.010	6.01262	15.00000	Averaged
7 delta-BHC	1.51038	1.48890	1.48890	0.010	1.42188	15.00000	Averaged
8 Heptachlor	1.51343	1.39463	1.39463	0.010	7.84993	15.00000	Averaged
10 Alachlor	0.26647	0.21694	0.21694	0.010	18.58734	15.00000	Averaged<-
9 Aldrin	1.46384	1.43885	1.43885	0.010	1.70751	15.00000	Averaged
11 Heptachlor Epoxide	1.40204	1.30671	1.30671	0.010	6.79936	15.00000	Averaged
12 trans-Chlordane	1.52712	1.38943	1.38943	0.010	9.01629	15.00000	Averaged
13 cis-Chlordane	1.33877	1.33913	1.33913	0.010	-0.02696	15.00000	Averaged
15 Endosulfan I	1.24621	1.22448	1.22448	0.010	1.74374	15.00000	Averaged
14 4,4'-DDE	1.42453	1.47565	1.47565	0.010	-3.58854	15.00000	Averaged
16 Dieldrin	1.41312	1.37390	1.37390	0.010	2.77533	15.00000	Averaged
17 Endrin	1.15877	1.18132	1.18132	0.010	-1.94575	15.00000	Averaged
18 4,4'-DDD	1.10512	1.14173	1.14173	0.010	-3.31285	15.00000	Averaged
19 Endosulfan II	1.08036	1.11002	1.11002	0.010	-2.74626	15.00000	Averaged
20 4,4'-DDT	1.08756	1.01249	1.01249	0.010	6.90225	15.00000	Averaged
21 Endrin Aldehyde	0.95156	0.94519	0.94519	0.010	0.66890	15.00000	Averaged
23 Endosulfan Sulfate	1.04176	1.09816	1.09816	0.010	-5.41454	15.00000	Averaged
22 Methoxychlor	0.57813	0.51964	0.51964	0.010	10.11645	15.00000	Averaged
24 Endrin Ketone	1.16209	1.18673	1.18673	0.010	-2.12040	15.00000	Averaged
\$ 25 Decachlorobiphenyl	1.13540	1.24071	1.24071	0.010	-9.27535	15.00000	Averaged

FORM VII NYTCL-8081

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date: 27-AUG-2010 Time: 22:11

Lab File ID: 08270024.D Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Sample No: +chlor cc pp305 Init. Calib. Times : 13:58 13:43

Injection Time: 27-AUG-2010 22:11

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 2,4,5,6-Tetrachloro-m-xylene	1.73578	1.25780	1.25780	0.010	27.53660	15.00000	Averaged<-
25 Decachlorobiphenyl	1.13540	1.07136	1.07136	0.010	5.64064	15.00000	Averaged
26 Chlordane(1)	0.05079	0.03885	0.03885	0.010	23.50216	15.00000	Averaged<-
(2)	0.07093	0.07062	0.07062	0.010	0.44333	15.00000	Averaged
(3)	0.17221	0.13673	0.13673	0.010	20.59896	15.00000	Averaged<-
(4)	0.13742	0.12153	0.12153	0.010	11.56041	15.00000	Averaged
(5)	0.12722	0.11171	0.11171	0.010	12.19743	15.00000	Averaged

FORM VII NYTCL-8081

7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date: 27-AUG-2010 Time: 22:24

Lab File ID: 08270025.D Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Sample No: +tox cc pp3090 Init. Calib. Times : 13:58 13:43

Injection Time: 27-AUG-2010 22:24

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 2,4,5,6-Tetrachloro-m-xylene	1.73578	1.20707	1.20707	0.010	30.45941	15.00000	Averaged
25 Decachlorobiphenyl	1.13540	1.28719	1.28719	0.010	-13.36898	15.00000	Averaged
27 Toxaphene(1)	0.50000	0.83663	0.02401	0.010	-67.32643	15.00000	Linear
(2)	0.50000	0.60503	0.06533	0.010	-21.00574	15.00000	Linear
(3)	0.50000	0.60121	0.05954	0.010	-20.24181	15.00000	Linear
(4)	0.50000	0.59153	0.02903	0.010	-18.30568	15.00000	Linear
(5)	0.50000	++++	0.00126	0.010	++++	15.00000	Linear

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7
GC ORGANICS CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Instrument ID: PEST10.I Calibration Date: 28-AUG-2010 Time: 00:19

Lab File ID: 08270034.D Init. Calib. Date(s): 18-JUN-2010 19-AUG-2010

Sample No: +pest cc pp3076 Init. Calib. Times : 13:58 13:43

Injection Time: 28-AUG-2010 00:19

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 2,4,5,6-Tetrachloro-m-xylene	1.73578	1.54014	1.54014	0.010	11.27077	15.00000	Averaged
3 Hexachlorobenzene	1.79462	1.70620	1.70620	0.010	4.92688	15.00000	Averaged
4 alpha-BHC	1.63723	1.62293	1.62293	0.010	0.87314	15.00000	Averaged
5 Lindane	1.49852	1.45546	1.45546	0.010	2.87369	15.00000	Averaged
6 beta-BHC	0.71780	0.69071	0.69071	0.010	3.77371	15.00000	Averaged
7 delta-BHC	1.51038	1.52781	1.52781	0.010	-1.15424	15.00000	Averaged
8 Heptachlor	1.51343	1.41866	1.41866	0.010	6.26189	15.00000	Averaged
10 Alachlor	0.26647	0.21862	0.21862	0.010	17.95783	15.00000	Averaged<-
9 Aldrin	1.46384	1.46457	1.46457	0.010	-0.04973	15.00000	Averaged
11 Heptachlor Epoxide	1.40204	1.35644	1.35644	0.010	3.25231	15.00000	Averaged
12 trans-Chlordane	1.52712	1.45040	1.45040	0.010	5.02415	15.00000	Averaged
13 cis-Chlordane	1.33877	1.39641	1.39641	0.010	-4.30577	15.00000	Averaged
15 Endosulfan I	1.24621	1.21352	1.21352	0.010	2.62331	15.00000	Averaged
14 4,4'-DDE	1.42453	1.53742	1.53742	0.010	-7.92426	15.00000	Averaged
16 Dieldrin	1.41312	1.45132	1.45132	0.010	-2.70301	15.00000	Averaged
17 Endrin	1.15877	1.26618	1.26618	0.010	-9.26970	15.00000	Averaged
18 4,4'-DDD	1.10512	1.22215	1.22215	0.010	-10.59060	15.00000	Averaged
19 Endosulfan II	1.08036	1.18685	1.18685	0.010	-9.85752	15.00000	Averaged
20 4,4'-DDT	1.08756	1.10462	1.10462	0.010	-1.56894	15.00000	Averaged
21 Endrin Aldehyde	0.95156	1.00745	1.00745	0.010	-5.87370	15.00000	Averaged
23 Endosulfan Sulfate	1.04176	1.19706	1.19706	0.010	-14.90792	15.00000	Averaged
22 Methoxychlor	0.57813	0.58498	0.58498	0.010	-1.18542	15.00000	Averaged
24 Endrin Ketone	1.16209	1.28736	1.28736	0.010	-10.77901	15.00000	Averaged
\$ 25 Decachlorobiphenyl	1.13540	1.34269	1.34269	0.010	-18.25739	15.00000	Averaged<-

FORM VII NYTCL-8081

Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest10.i Injection Date: 27-AUG-2010 21:59
Lab File ID: 08270023.D Init. Cal. Date(s): 18-JUN-2010 19-AUG-2010
Analysis Type: Init. Cal. Times: 13:58 13:43
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 2,2,4,5,6-Tetrachloro-m-xylene	1.56429	1.51120	1.51120	0.010	3.39396	15.00000	Averaged
3 Hexachlorobenzene	1.59041	1.46559	1.46559	0.010	7.84797	15.00000	Averaged
4 alpha-BHC	1.62311	1.71785	1.71785	0.010	-5.83645	15.00000	Averaged
5 Lindane	1.50154	1.56697	1.56697	0.010	-4.35769	15.00000	Averaged
6 beta-BHC	0.72179	0.70261	0.70261	0.010	2.65689	15.00000	Averaged
7 delta-BHC	1.51593	1.60923	1.60923	0.010	-6.15473	15.00000	Averaged
8 Heptachlor	1.59466	1.57594	1.57594	0.010	1.17385	15.00000	Averaged
9 Aldrin	1.43019	1.50079	1.50079	0.010	-4.93595	15.00000	Averaged
10 Alachlor	0.25998	0.23420	0.23420	0.010	9.91675	15.00000	Averaged
11 Heptachlor Epoxide	1.50168	1.46206	1.46206	0.010	2.63892	15.00000	Averaged
12 trans-Chlordane	1.61333	1.50049	1.50049	0.010	6.99457	15.00000	Averaged
13 cis-Chlordane	1.44484	1.42911	1.42911	0.010	1.08910	15.00000	Averaged
14 4,4'-DDE	1.43916	1.51609	1.51609	0.010	-5.34561	15.00000	Averaged
15 Endosulfan I	1.33811	1.37481	1.37481	0.010	-2.74256	15.00000	Averaged
16 Dieldrin	1.49244	1.51963	1.51963	0.010	-1.82202	15.00000	Averaged
17 Endrin	1.43422	1.39338	1.39338	0.010	2.84729	15.00000	Averaged
18 4,4'-DDD	1.24055	1.30898	1.30898	0.010	-5.51553	15.00000	Averaged
19 Endosulfan II	1.30685	1.30098	1.30098	0.010	0.44960	15.00000	Averaged
20 4,4'-DDT	1.35121	1.23109	1.23109	0.010	8.88974	15.00000	Averaged
21 Endrin Aldehyde	1.07214	1.12123	1.12123	0.010	-4.57907	15.00000	Averaged
22 Methoxychlor	0.78894	0.67624	0.67624	0.010	14.28504	15.00000	Averaged
23 Endosulfan Sulfate	1.32943	1.34025	1.34025	0.010	-0.81421	15.00000	Averaged
24 Endrin Ketone	1.65035	1.66478	1.66478	0.010	-0.87459	15.00000	Averaged
\$ 25 Decachlorobiphenyl	1.59723	1.56686	1.56686	0.010	1.90122	15.00000	Averaged

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\08270023.D
Lab Smp Id:
Inj Date : 27-AUG-2010 21:59
Operator : sh Inst ID: Pest10.i
Smp Info : +pest cc pp3076
Misc Info : wg429510, wg429321, ICAL5265
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\Pest10a.m
Meth Date : 30-Aug-2010 07:06 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
Als bottle: 23 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pestical.sub
Target Version: 4.12
Processing Host: KRISTINF

					AMOUNTS		REVIEW CODE
Compounds	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.860	1.860	(1.000)	10915686	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.338	2.338	(1.257)	32991530	0.05000	0.0483	
3 Hexachlorobenzene	2.595	2.595	(1.395)	31995907	0.05000	0.0461	
4 alpha-BHC	2.710	2.710	(1.457)	37502949	0.05000	0.0529	
5 Lindane	2.933	2.933	(1.577)	34209163	0.05000	0.0522	
6 beta-BHC	2.993	2.993	(1.609)	15339002	0.05000	0.0487	
7 delta-BHC	3.127	3.127	(1.681)	35131639	0.05000	0.0531	
8 Heptachlor	3.290	3.290	(1.769)	34404952	0.05000	0.0494	
9 Aldrin	3.527	3.527	(1.896)	32764216	0.05000	0.0525	
10 Alachlor	3.637	3.637	(1.955)	5112946	0.05000	0.0450	
11 Heptachlor Epoxide	4.018	4.018	(2.160)	31918696	0.05000	0.0487	
12 trans-Chlordane	4.120	4.120	(2.215)	32757671	0.05000	0.0465	
13 cis-Chlordane	4.225	4.225	(2.271)	31199394	0.05000	0.0494	
14 4,4'-DDE	4.288	4.288	(2.305)	33098316	0.05000	0.0527	
15 Endosulfan I	4.330	4.330	(2.328)	30013904	0.05000	0.0514	
16 Dieldrin	4.513	4.513	(2.426)	33175570	0.05000	0.0509	
17 Endrin	4.687	4.687	(2.519)	30419445	0.05000	0.0486	
18 4,4'-DDD	4.742	4.742	(2.549)	28576744	0.05000	0.0528	
19 Endosulfan II	4.852	4.852	(2.608)	28402149	0.05000	0.0498	
20 4,4'-DDT	4.947	4.947	(2.659)	26876366	0.05000	0.0456	
21 Endrin Aldehyde	5.150	5.150	(2.768)	24478030	0.05000	0.0523	
22 Methoxychlor	5.293	5.293	(2.845)	14763196	0.05000	0.0428	
23 Endosulfan Sulfate	5.452	5.452	(2.931)	29259482	0.05000	0.0504	
24 Endrin Ketone	5.640	5.640	(3.032)	36344420	0.05000	0.0504	
\$ 25 Decachlorobiphenyl	6.298	6.298	(3.386)	34206670	0.05000	0.0490	

Alpha Analytical Labs

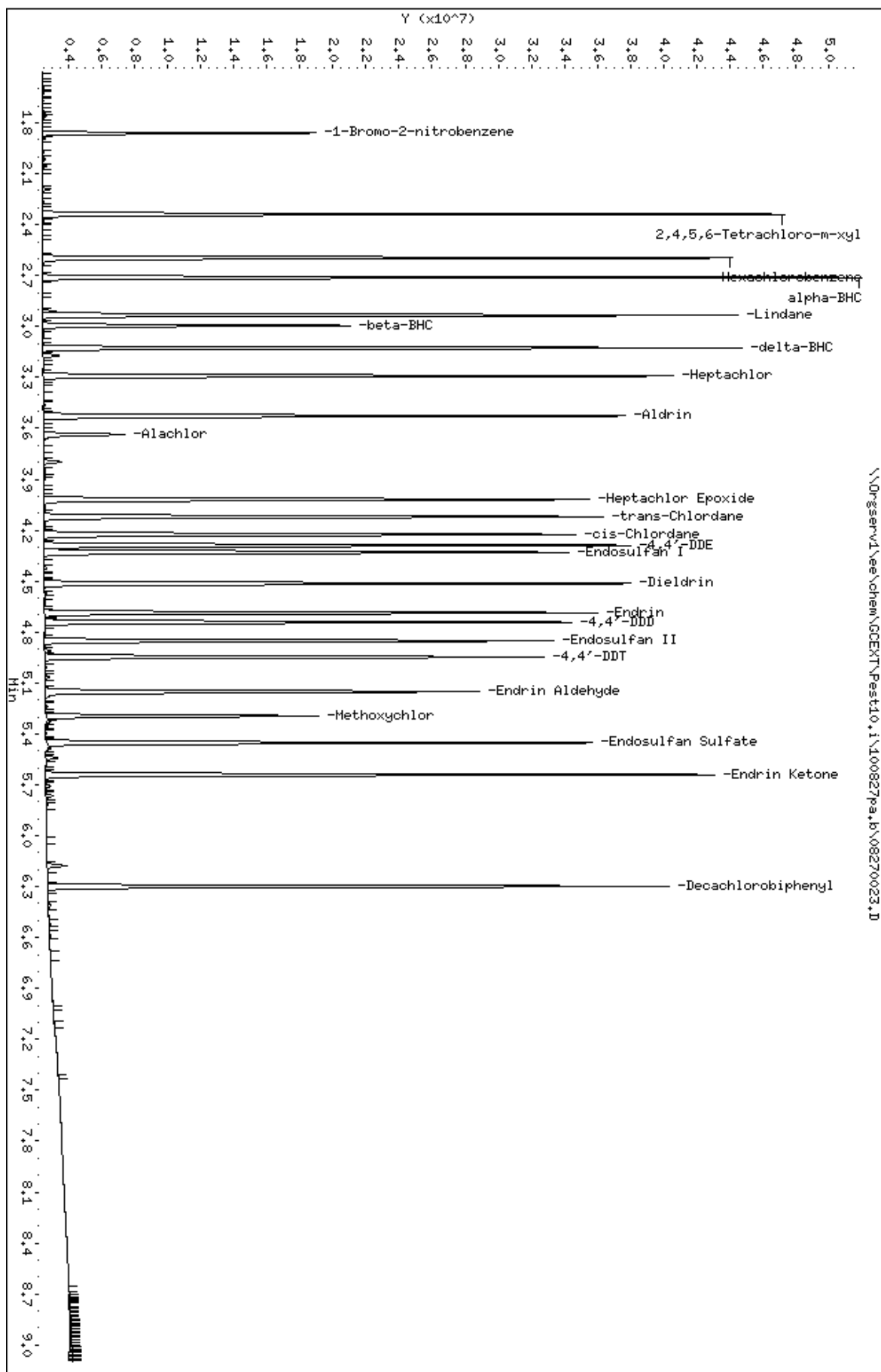
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 27-AUG-2010
 Lab File ID: 08270023.D Calibration Time: 10:06
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\Pest10a.m
 Misc Info: wg429510, wg429321, ICAL5265

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11096206	5548103	22192412	10915686	-1.63

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.86	1.36	2.36	1.86	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\08270023.D

Lab Smp Id:

Inj Date : 27-AUG-2010 21:59

Operator : sh

Inst ID: Pest10.i

Smp Info : +pest cc pp3076

Misc Info : wg429510, wg429321, ICAL5265

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m

Meth Date : 30-Aug-2010 07:04 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 23

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

Processing Host: KRISTINF

						AMOUNTS		
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	REVIEW CODE
=====		=====	=====	=====	=====	=====	=====	=====
*	1 1-Bromo-2-nitrobenzene	1.860	1.860	(1.000)	10915686	0.02500		
\$	2 2,4,5,6-Tetrachloro-m-xylene	2.338	2.338	(1.257)	32991530	0.05000	0.0483	
	3 Hexachlorobenzene	2.595	2.595	(1.395)	31995907	0.05000	0.0461	
	4 alpha-BHC	2.710	2.710	(1.457)	37502949	0.05000	0.0529	
	5 Lindane	2.933	2.933	(1.565)	34209163	0.05000	0.0522(M)	M2
	6 beta-BHC	2.993	2.993	(1.609)	15339002	0.05000	0.0487	
	7 delta-BHC	3.127	3.127	(1.681)	35131639	0.05000	0.0531	
	8 Heptachlor	3.290	3.290	(1.769)	34404952	0.05000	0.0494	
	9 Aldrin	3.527	3.527	(1.896)	32764216	0.05000	0.0525	
	10 Alachlor	3.637	3.637	(1.955)	5112946	0.05000	0.0450	
	11 Heptachlor Epoxide	4.018	4.018	(2.139)	31918696	0.05000	0.0487(M)	M2
	12 trans-Chlordane	4.120	4.120	(2.215)	32757671	0.05000	0.0465	
	13 cis-Chlordane	4.225	4.225	(2.252)	31199394	0.05000	0.0494(M)	M2
	14 4,4'-DDE	4.288	4.288	(2.271)	33098316	0.05000	0.0527(M)	M2
	15 Endosulfan I	4.330	4.330	(2.305)	30013904	0.05000	0.0514(M)	M2
	16 Dieldrin	4.513	4.513	(2.402)	33175570	0.05000	0.0509(M)	M2
	17 Endrin	4.687	4.687	(2.519)	30419445	0.05000	0.0486	
	18 4,4'-DDD	4.742	4.742	(2.535)	28576744	0.05000	0.0528(M)	M2
	19 Endosulfan II	4.852	4.852	(2.608)	28402149	0.05000	0.0498	
	20 4,4'-DDT	4.947	4.947	(2.639)	26876366	0.05000	0.0456(M)	M2
	21 Endrin Aldehyde	5.150	5.150	(2.741)	24478030	0.05000	0.0523(M)	M2
	22 Methoxychlor	5.293	5.293	(2.816)	14763196	0.05000	0.0428(M)	M2
	23 Endosulfan Sulfate	5.452	5.452	(2.901)	29259482	0.05000	0.0504(M)	M2
	24 Endrin Ketone	5.640	5.640	(3.032)	36344420	0.05000	0.0504	
\$	25 Decachlorobiphenyl	6.298	6.298	(3.386)	34206670	0.05000	0.0490	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

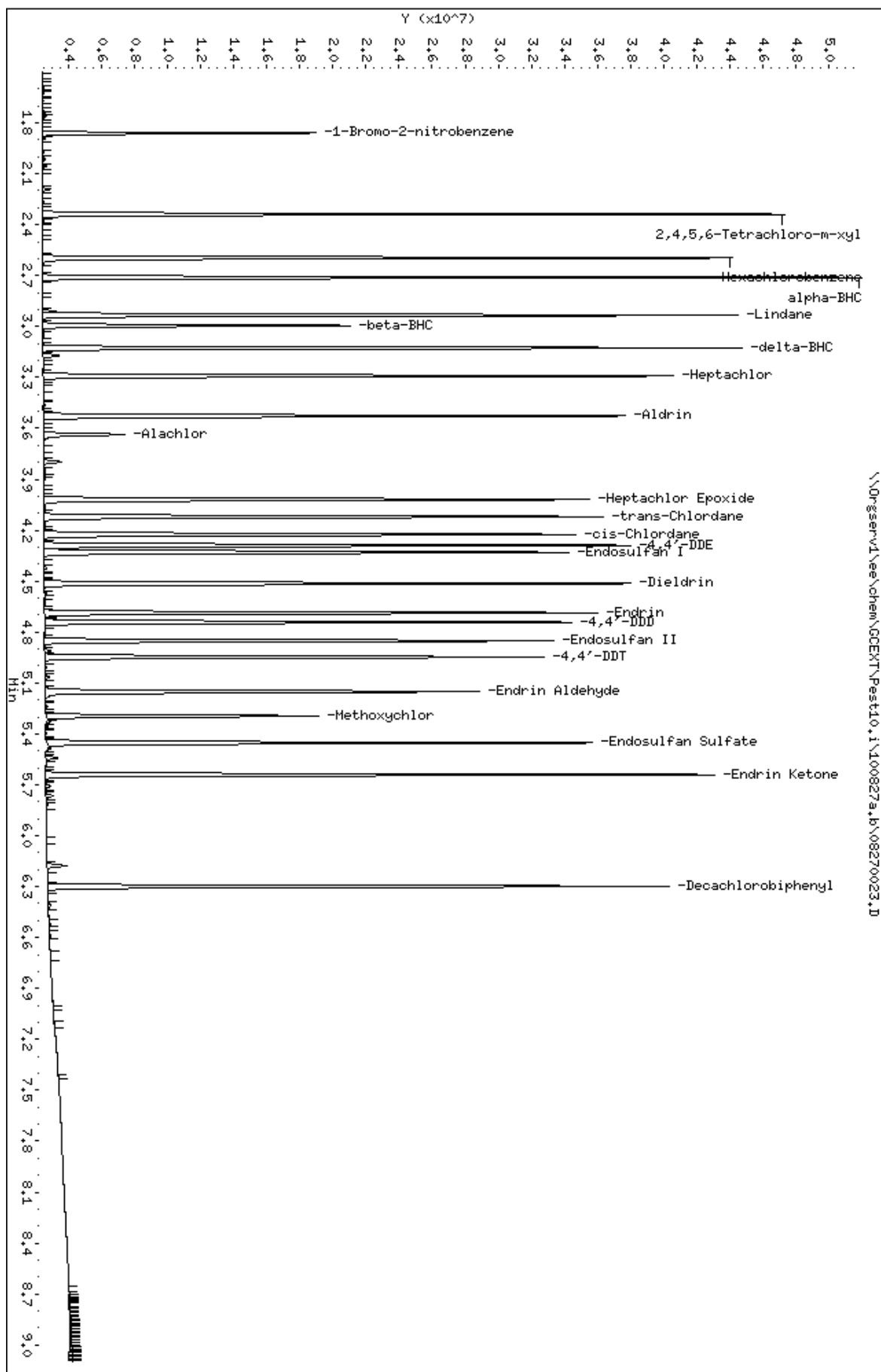
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 27-AUG-2010
 Lab File ID: 08270023.D Calibration Time: 10:37
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m
 Misc Info: wg429510, wg429321, ICAL5265

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	9213623	4606812	18427246	10915686	18.47

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.86	-0.63

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest10.i Injection Date: 27-AUG-2010 22:11
 Lab File ID: 08270024.D Init. Cal. Date(s): 18-JUN-2010 19-AUG-2010
 Analysis Type: Init. Cal. Times: 13:58 13:43
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 2,4,5,6-Tetrachloro-m-xylene	1.56429	1.24815	1.24815	0.010	20.20994	15.00000	Averaged
25 Decachlorobiphenyl	1.59723	1.27283	1.27283	0.010	20.31023	15.00000	Averaged
26 Chlordane(1)	0.04825	0.03989	0.03989	0.010	17.31720	15.00000	Averaged
(2)	0.06937	0.07650	0.07650	0.010	-10.27090	15.00000	Averaged
(3)	0.16130	0.15122	0.15122	0.010	6.25073	15.00000	Averaged
(4)	0.14989	0.14064	0.14064	0.010	6.17013	15.00000	Averaged

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\08270024.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 22:11
 Operator : sh Inst ID: Pest10.i
 Smp Info : +chlor cc pp3055
 Misc Info : wg429510, wg429321, ICAL5265
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:06 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 24 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorCC.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.860	1.860	(1.000)	11285423	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.338	2.338	(1.257)	28171748	0.05000	0.0399	
\$ 25 Decachlorobiphenyl	6.298	6.298	(3.386)	28728739	0.05000	0.0398	
26 Chlordane	3.228	3.228	(1.736)	9004097	0.50000	0.413(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 08270024.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\Pest10a.m
Misc Info: wg429510, wg429321, ICAL5265

Calibration Date: 27-AUG-2010
Calibration Time: 21:59
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10915686	5457843	21831372	11285423	3.39

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.86	1.36	2.36	1.86	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 27-AUG-2010 22:11

Client ID:

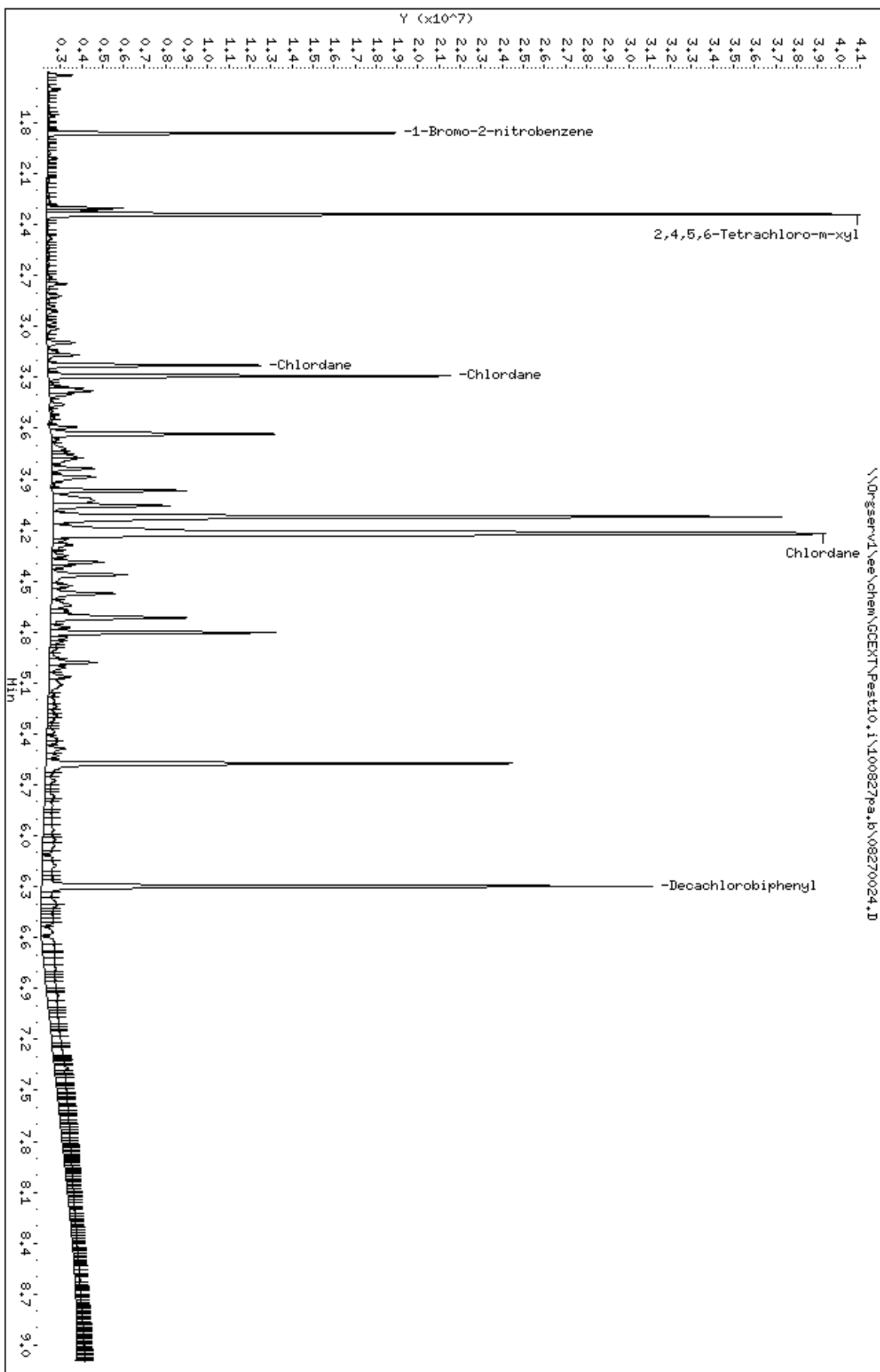
Sample Info: +chlor cc pp3055

Instrument: Pest10.i

Column phase: Rtx-CLP

Operator: sh

Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\08270024.D

Lab Smp Id:

Inj Date : 27-AUG-2010 22:11

Operator : sh

Inst ID: Pest10.i

Smp Info : +chlor cc pp3055

Misc Info : wg429510, wg429321, ICAL5265

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m

Meth Date : 30-Aug-2010 07:04 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 24

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: chlorCC.sub

Target Version: 4.12

Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.860	1.860	(1.000)	11285423	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.338	2.338	(1.257)	28171748	0.05000	0.0399	
\$ 25 Decachlorobiphenyl	6.298	6.298	(3.386)	28728739	0.05000	0.0398	
26 Chlordane	3.228	3.228	(1.736)	9004097	0.50000	0.413(M)	M3

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 27-AUG-2010
 Lab File ID: 08270024.D Calibration Time: 21:59
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m
 Misc Info: wg429510, wg429321, ICAL5265

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10915686	5457843	21831372	11285423	3.39

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.86	1.36	2.36	1.86	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drger\1\ee\chem\GCEXT\Pest10.i\100827a.b\08270024.D

Date : 27-AUG-2010 22:11

Client ID:

Sample Info: tohlor cc pp3055

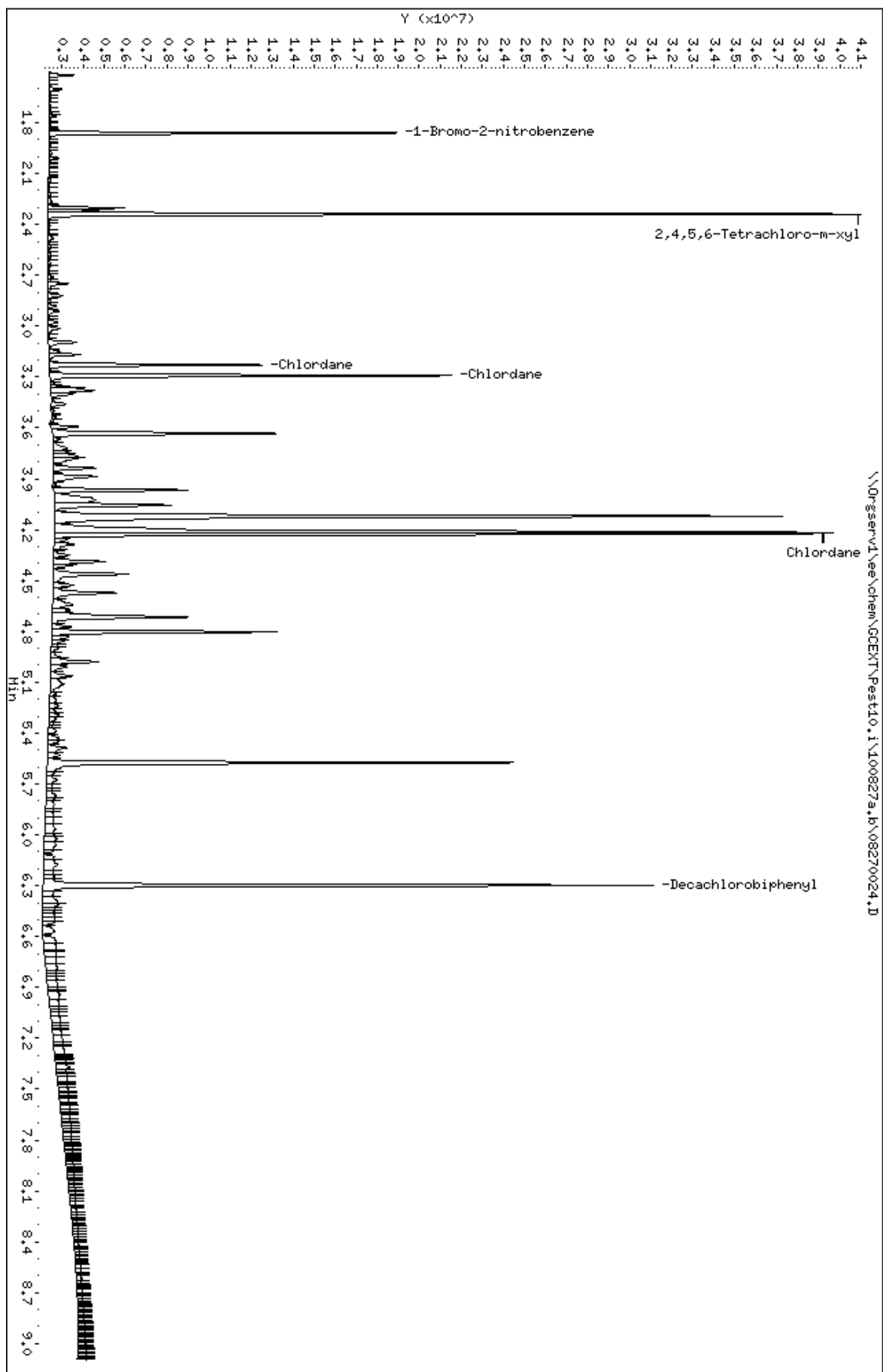
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

Page 3



Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest10.i Injection Date: 27-AUG-2010 22:24
 Lab File ID: 08270025.D Init. Cal. Date(s): 18-JUN-2010 19-AUG-2010
 Analysis Type: Init. Cal. Times: 13:58 13:43
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m

COMPOUND	RRF / AMOUNT	RF0.050	CCAL	MIN	MAX	CURVE TYPE
=====	=====	=====	=====	=====	=====	=====
\$ 2 2,4,5,6-Tetrachloro-m-xylene	1.56429	1.44928	1.44928	0.010	7.35192	Averaged
\$ 25 Decachlorobiphenyl	1.59723	1.60709	1.60709	0.010	-0.61781	Averaged
27 Toxaphene(1)	0.50000	0.60143	0.02589	0.010	-20.28572	Linear<-
(2)	0.50000	0.54395	0.07857	0.010	-8.79090	Linear
(3)	0.50000	0.58347	0.06327	0.010	-16.69454	Linear<-
(4)	0.50000	0.59903	0.05960	0.010	-19.80597	Linear<-
(5)	0.50000	0.50886	0.03498	0.010	-1.77241	Linear

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\08270025.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 22:24
 Operator : sh Inst ID: Pest10.i
 Smp Info : +tox cc pp3090
 Misc Info : wg429510, wg429321, ICAL5265
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:06 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 25 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxCC.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.860	1.860	(1.000)	9163574	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.338	2.338	(1.257)	26561248	0.05000	0.0463	
\$ 25 Decachlorobiphenyl	6.298	6.298	(3.386)	29453432	0.05000	0.0503	
27 Toxaphene	4.585	4.585	(2.465)	4745571	0.50000	0.601	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 27-AUG-2010
 Lab File ID: 08270025.D Calibration Time: 22:11
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\Pest10a.m
 Misc Info: wg429510, wg429321, ICAL5265

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11285423	5642712	22570846	9163574	-18.80

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.86	1.36	2.36	1.86	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\0rgserv1\ee\chem\GC\EXT\Pest10.i\100827pa,b\08270025.D

Date : 27-AUG-2010 22:24

Client ID:

Sample Info: +tox oc pp3090

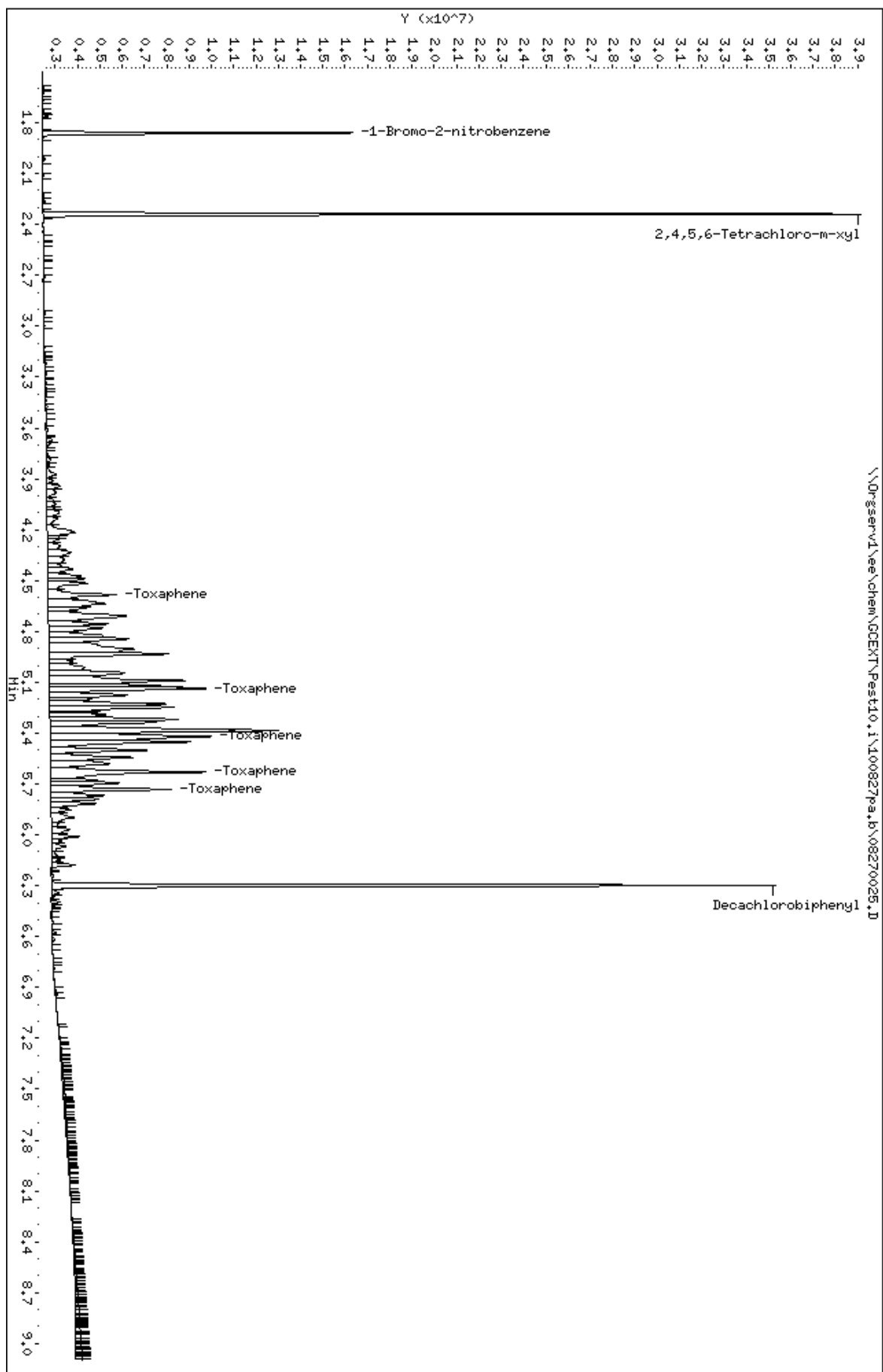
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

Page 3



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\08270025.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 22:24
 Operator : sh Inst ID: Pest10.i
 Smp Info : +tox cc pp3090
 Misc Info : wg429510, wg429321, ICAL5265
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:04 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 25 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxCC.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.860	1.860	(1.000)	9163574	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.338	2.338	(1.257)	26561248	0.05000	0.0463	
\$ 25 Decachlorobiphenyl	6.298	6.298	(3.386)	29453432	0.05000	0.0503	
27 Toxaphene	4.585	4.585	(2.465)	4745571	0.50000	0.601(M)	M4

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 08270025.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m
Misc Info: wg429510, wg429321, ICAL5265

Calibration Date: 27-AUG-2010
Calibration Time: 22:11
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11285423	5642712	22570846	9163574	-18.80

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.86	1.36	2.36	1.86	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeriv1\ee\chem\GCEXT\Pest10.i\100827a.b\08270025.D

Date : 27-AUG-2010 22:24

Client ID:

Sample Info: +tox oc pp3090

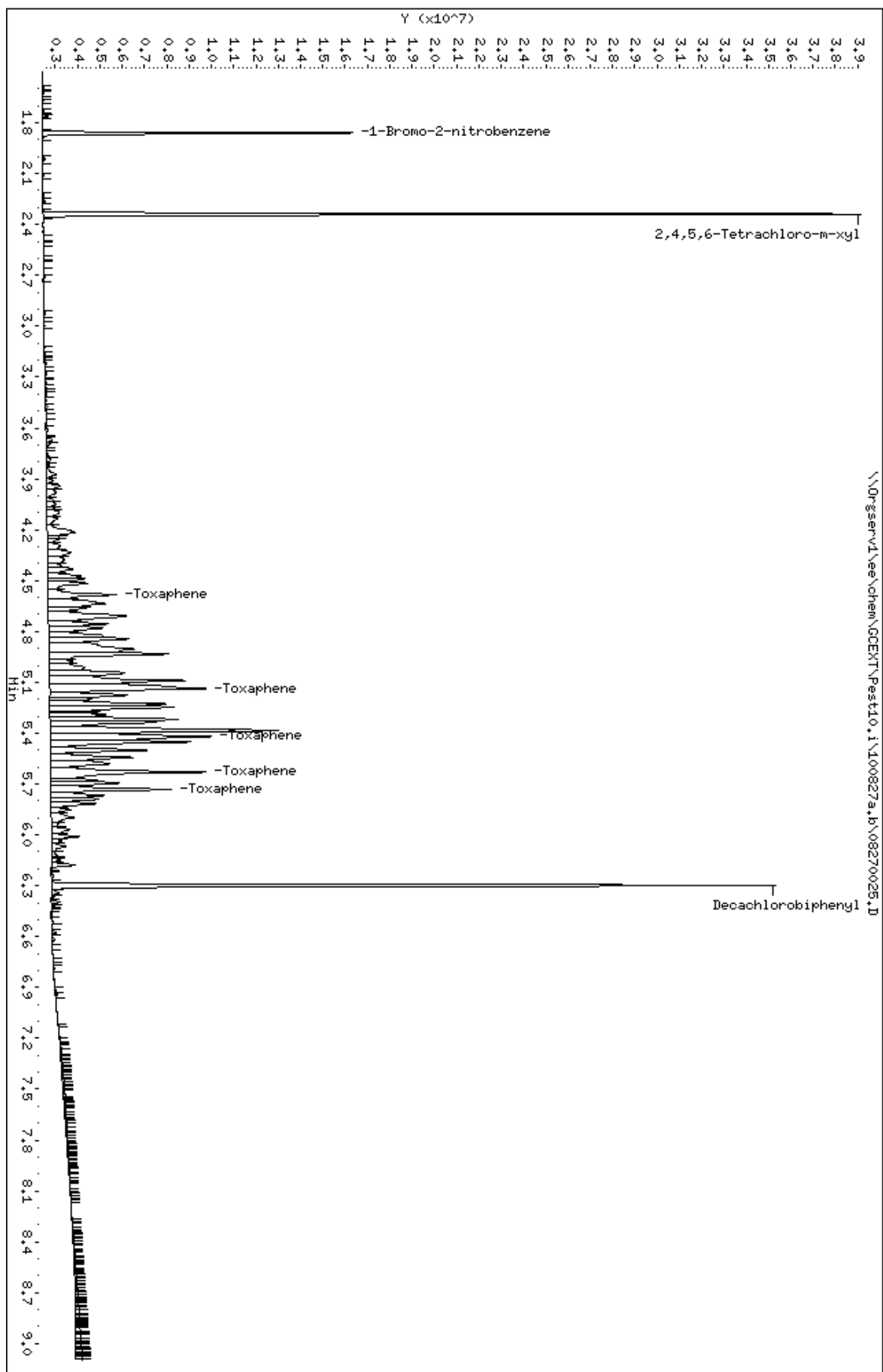
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

Page 3



Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest10.i Injection Date: 28-AUG-2010 00:19
Lab File ID: 08270034.D Init. Cal. Date(s): 18-JUN-2010 19-AUG-2010
Analysis Type: Init. Cal. Times: 13:58 13:43
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 2,2,4,5,6-Tetrachloro-m-xylene	1.56429	1.51728	1.51728	0.010	3.00523	15.00000	Averaged
3 Hexachlorobenzene	1.59041	1.49194	1.49194	0.010	6.19154	15.00000	Averaged
4 alpha-BHC	1.62311	1.72783	1.72783	0.010	-6.45145	15.00000	Averaged
5 Lindane	1.50154	1.59277	1.59277	0.010	-6.07594	15.00000	Averaged
6 beta-BHC	0.72179	0.72406	0.72406	0.010	-0.31421	15.00000	Averaged
7 delta-BHC	1.51593	1.66476	1.66476	0.010	-9.81827	15.00000	Averaged
8 Heptachlor	1.59466	1.62056	1.62056	0.010	-1.62436	15.00000	Averaged
9 Aldrin	1.43019	1.53461	1.53461	0.010	-7.30080	15.00000	Averaged
10 Alachlor	0.25998	0.23397	0.23397	0.010	10.00734	15.00000	Averaged
11 Heptachlor Epoxide	1.50168	1.50755	1.50755	0.010	-0.39040	15.00000	Averaged
12 trans-Chlordane	1.61333	1.56166	1.56166	0.010	3.20281	15.00000	Averaged
13 cis-Chlordane	1.44484	1.43683	1.43683	0.010	0.55466	15.00000	Averaged
14 4,4'-DDE	1.43916	1.59237	1.59237	0.010	-10.64629	15.00000	Averaged
15 Endosulfan I	1.33811	1.43036	1.43036	0.010	-6.89387	15.00000	Averaged
16 Dieldrin	1.49244	1.59088	1.59088	0.010	-6.59621	15.00000	Averaged
17 Endrin	1.43422	1.48943	1.48943	0.010	-3.84936	15.00000	Averaged
18 4,4'-DDD	1.24055	1.38594	1.38594	0.010	-11.71977	15.00000	Averaged
19 Endosulfan II	1.30685	1.38171	1.38171	0.010	-5.72785	15.00000	Averaged
20 4,4'-DDT	1.35121	1.34644	1.34644	0.010	0.35253	15.00000	Averaged
21 Endrin Aldehyde	1.07214	1.16738	1.16738	0.010	-8.88295	15.00000	Averaged
22 Methoxychlor	0.78894	0.75153	0.75153	0.010	4.74181	15.00000	Averaged
23 Endosulfan Sulfate	1.32943	1.43165	1.43165	0.010	-7.68958	15.00000	Averaged
24 Endrin Ketone	1.65035	1.78680	1.78680	0.010	-8.26798	15.00000	Averaged
\$ 25 Decachlorobiphenyl	1.59723	1.63596	1.63596	0.010	-2.42545	15.00000	Averaged

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\08270034.D

Lab Smp Id:

Inj Date : 28-AUG-2010 00:19

Operator : sh

Inst ID: Pest10.i

Smp Info : +pest cc pp3076

Misc Info : wg429510, wg429321, ICAL5265

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m

Meth Date : 30-Aug-2010 07:05 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 34

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

Processing Host: KRISTINF

					AMOUNTS		REVIEW CODE
					CAL-AMT	ON-COL	
					(ug/mL)	(ug/mL)	
Compounds	RT	EXP RT	REL RT	RESPONSE			
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.860	1.860	(1.000)	10860130	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.338	2.338	(1.257)	32955697	0.05000	0.0485	
3 Hexachlorobenzene	2.595	2.595	(1.395)	32405260	0.05000	0.0469	
4 alpha-BHC	2.710	2.710	(1.457)	37528893	0.05000	0.0532	
5 Lindane	2.932	2.932	(1.576)	34595442	0.05000	0.0530	
6 beta-BHC	2.993	2.993	(1.609)	15726726	0.05000	0.0502	
7 delta-BHC	3.127	3.127	(1.681)	36159104	0.05000	0.0549	
8 Heptachlor	3.290	3.290	(1.769)	35199049	0.05000	0.0508	
9 Aldrin	3.527	3.527	(1.896)	33332080	0.05000	0.0536	
10 Alachlor	3.637	3.637	(1.955)	5081808	0.05000	0.0450	
11 Heptachlor Epoxide	4.018	4.018	(2.160)	32744316	0.05000	0.0502	
12 trans-Chlordane	4.120	4.120	(2.215)	33919657	0.05000	0.0484	
13 cis-Chlordane	4.225	4.225	(2.271)	31208323	0.05000	0.0497	
14 4,4'-DDE	4.288	4.288	(2.305)	34586794	0.05000	0.0553	
15 Endosulfan I	4.330	4.330	(2.328)	31067685	0.05000	0.0534	
16 Dieldrin	4.513	4.513	(2.426)	34554325	0.05000	0.0533	
17 Endrin	4.687	4.687	(2.519)	32350738	0.05000	0.0519	
18 4,4'-DDD	4.742	4.742	(2.549)	30103043	0.05000	0.0558	
19 Endosulfan II	4.850	4.850	(2.607)	30011079	0.05000	0.0529	
20 4,4'-DDT	4.947	4.947	(2.659)	29245126	0.05000	0.0498	
21 Endrin Aldehyde	5.150	5.150	(2.768)	25355697	0.05000	0.0544	
22 Methoxychlor	5.293	5.293	(2.845)	16323380	0.05000	0.0476	
23 Endosulfan Sulfate	5.452	5.452	(2.930)	31095859	0.05000	0.0538	
24 Endrin Ketone	5.640	5.640	(3.032)	38809673	0.05000	0.0541	
\$ 25 Decachlorobiphenyl	6.297	6.297	(3.385)	35533585	0.05000	0.0512	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 08270034.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m
Misc Info: wg429510, wg429321, ICAL5265

Calibration Date: 27-AUG-2010
Calibration Time: 22:24
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	9163574	4581787	18327148	10860130	18.51

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.86	1.36	2.36	1.86	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\08270034.D

Date : 28-AUG-2010 00:19

Client ID:

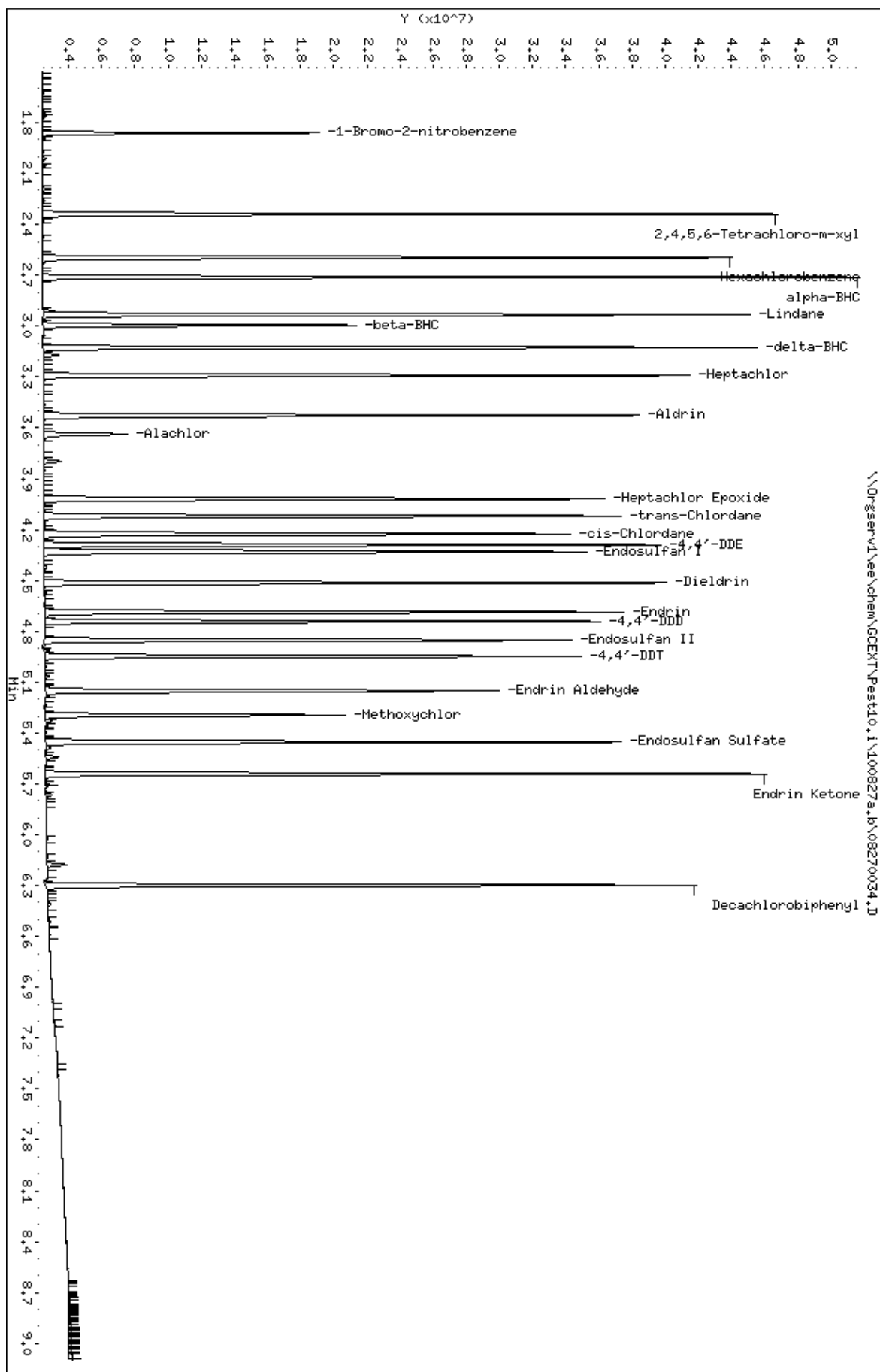
Sample Info: +pest co pp3076

Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32



Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest10.i Injection Date: 27-AUG-2010 21:59
 Lab File ID: 08270023.D Init. Cal. Date(s): 18-JUN-2010 19-AUG-2010
 Analysis Type: Init. Cal. Times: 13:58 13:43
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 2 2,4,5,6-Tetrachloro-m-xylene	1.73578	1.55693	1.55693	0.010	10.30359	15.00000	Averaged
3 Hexachlorobenzene	1.79462	1.70113	1.70113	0.010	5.20937	15.00000	Averaged
4 alpha-BHC	1.63723	1.62073	1.62073	0.010	1.00783	15.00000	Averaged
5 Lindane	1.49852	1.44080	1.44080	0.010	3.85205	15.00000	Averaged
6 beta-BHC	0.71780	0.67464	0.67464	0.010	6.01262	15.00000	Averaged
7 delta-BHC	1.51038	1.48890	1.48890	0.010	1.42188	15.00000	Averaged
8 Heptachlor	1.51343	1.39463	1.39463	0.010	7.84993	15.00000	Averaged
10 Alachlor	0.26647	0.21694	0.21694	0.010	18.58734	15.00000	Averaged<-
9 Aldrin	1.46384	1.43885	1.43885	0.010	1.70751	15.00000	Averaged
11 Heptachlor Epoxide	1.40204	1.30671	1.30671	0.010	6.79936	15.00000	Averaged
12 trans-Chlordane	1.52712	1.38943	1.38943	0.010	9.01629	15.00000	Averaged
13 cis-Chlordane	1.33877	1.33913	1.33913	0.010	-0.02696	15.00000	Averaged
15 Endosulfan I	1.24621	1.22448	1.22448	0.010	1.74374	15.00000	Averaged
14 4,4'-DDE	1.42453	1.47565	1.47565	0.010	-3.58854	15.00000	Averaged
16 Dieldrin	1.41312	1.37390	1.37390	0.010	2.77533	15.00000	Averaged
17 Endrin	1.15877	1.18132	1.18132	0.010	-1.94575	15.00000	Averaged
18 4,4'-DDD	1.10512	1.14173	1.14173	0.010	-3.31285	15.00000	Averaged
19 Endosulfan II	1.08036	1.11002	1.11002	0.010	-2.74626	15.00000	Averaged
20 4,4'-DDT	1.08756	1.01249	1.01249	0.010	6.90225	15.00000	Averaged
21 Endrin Aldehyde	0.95156	0.94519	0.94519	0.010	0.66890	15.00000	Averaged
23 Endosulfan Sulfate	1.04176	1.09816	1.09816	0.010	-5.41454	15.00000	Averaged
22 Methoxychlor	0.57813	0.51964	0.51964	0.010	10.11645	15.00000	Averaged
24 Endrin Ketone	1.16209	1.18673	1.18673	0.010	-2.12040	15.00000	Averaged
\$ 25 Decachlorobiphenyl	1.13540	1.24071	1.24071	0.010	-9.27535	15.00000	Averaged

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\08270023.D

Lab Smp Id:

Inj Date : 27-AUG-2010 21:59

Operator : sh

Inst ID: Pest10.i

Smp Info : +pest cc pp3076

Misc Info : wg429510, wg429321, ICAL5265

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\Pest10a.m

Meth Date : 30-Aug-2010 07:06 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 23

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

Processing Host: KRISTINF

					AMOUNTS		REVIEW CODE
					CAL-AMT	ON-COL	
					(ug/mL)	(ug/mL)	
Compounds	RT	EXP RT	REL RT	RESPONSE			
=====	====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.860	1.860	(1.000)	10915686	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.338	2.338	(1.257)	32991530	0.05000	0.0483	
3 Hexachlorobenzene	2.595	2.595	(1.395)	31995907	0.05000	0.0461	
4 alpha-BHC	2.710	2.710	(1.457)	37502949	0.05000	0.0529	
5 Lindane	2.933	2.933	(1.577)	34209163	0.05000	0.0522	
6 beta-BHC	2.993	2.993	(1.609)	15339002	0.05000	0.0487	
7 delta-BHC	3.127	3.127	(1.681)	35131639	0.05000	0.0531	
8 Heptachlor	3.290	3.290	(1.769)	34404952	0.05000	0.0494	
9 Aldrin	3.527	3.527	(1.896)	32764216	0.05000	0.0525	
10 Alachlor	3.637	3.637	(1.955)	5112946	0.05000	0.0450	
11 Heptachlor Epoxide	4.018	4.018	(2.160)	31918696	0.05000	0.0487	
12 trans-Chlordane	4.120	4.120	(2.215)	32757671	0.05000	0.0465	
13 cis-Chlordane	4.225	4.225	(2.271)	31199394	0.05000	0.0494	
14 4,4'-DDE	4.288	4.288	(2.305)	33098316	0.05000	0.0527	
15 Endosulfan I	4.330	4.330	(2.328)	30013904	0.05000	0.0514	
16 Dieldrin	4.513	4.513	(2.426)	33175570	0.05000	0.0509	
17 Endrin	4.687	4.687	(2.519)	30419445	0.05000	0.0486	
18 4,4'-DDD	4.742	4.742	(2.549)	28576744	0.05000	0.0528	
19 Endosulfan II	4.852	4.852	(2.608)	28402149	0.05000	0.0498	
20 4,4'-DDT	4.947	4.947	(2.659)	26876366	0.05000	0.0456	
21 Endrin Aldehyde	5.150	5.150	(2.768)	24478030	0.05000	0.0523	
22 Methoxychlor	5.293	5.293	(2.845)	14763196	0.05000	0.0428	
23 Endosulfan Sulfate	5.452	5.452	(2.931)	29259482	0.05000	0.0504	
24 Endrin Ketone	5.640	5.640	(3.032)	36344420	0.05000	0.0504	
\$ 25 Decachlorobiphenyl	6.298	6.298	(3.386)	34206670	0.05000	0.0490	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 08270023.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\Pest10a.m
Misc Info: wg429510, wg429321, ICAL5265

Calibration Date: 27-AUG-2010
Calibration Time: 10:06
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11096206	5548103	22192412	10915686	-1.63

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.86	1.36	2.36	1.86	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\0rgserv1\ee\chem\GC\EXT\Pest10.i\100827pa,b\08270023.D

Date : 27-AUG-2010 21:59

Client ID:

Sample Info: +pest co pp3076

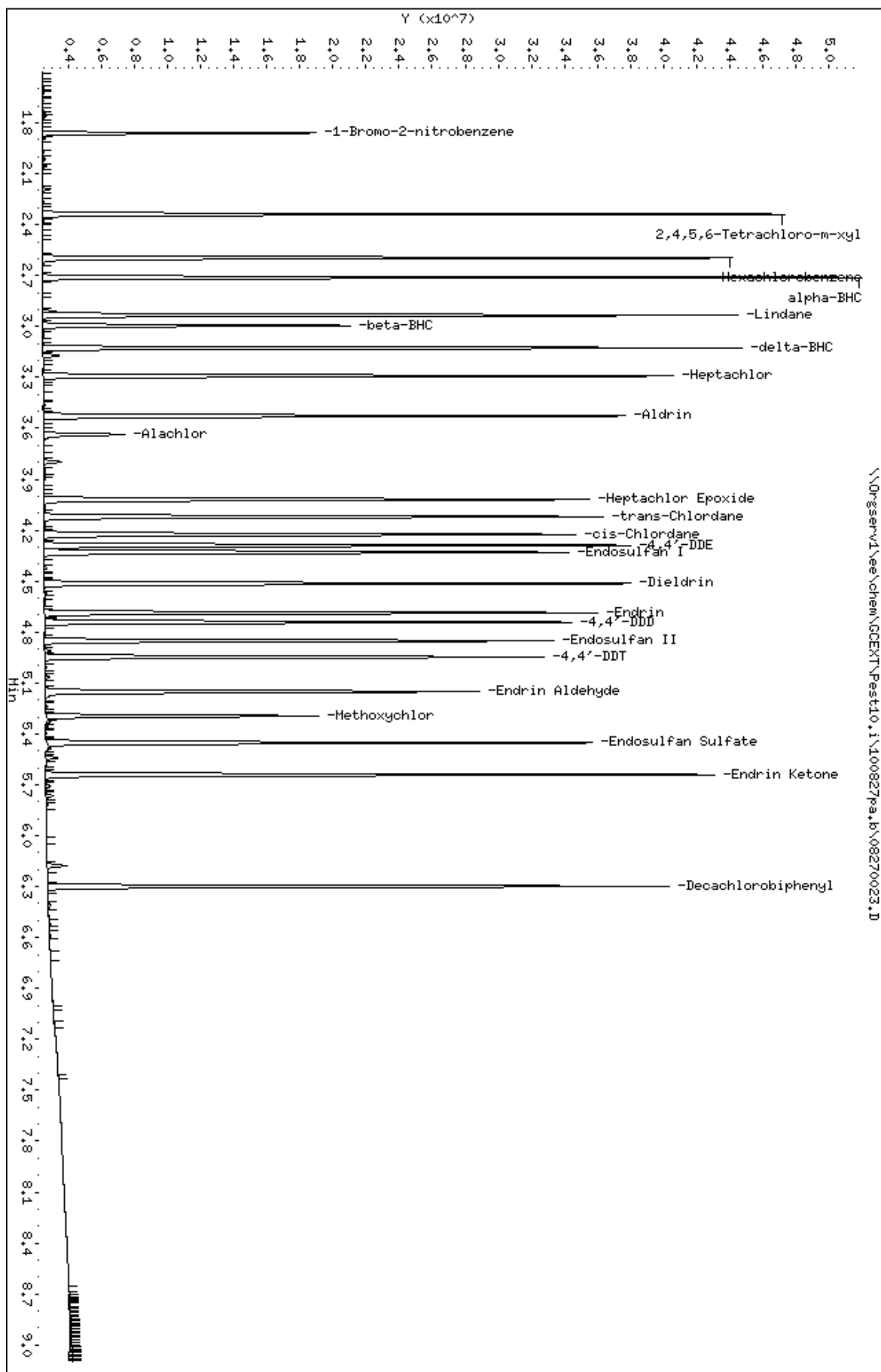
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

Page 3



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\08270023.D

Lab Smp Id:

Inj Date : 27-AUG-2010 21:59

Operator : sh

Inst ID: Pest10.i

Smp Info : +pest cc pp3076

Misc Info : wg429510, wg429321, ICAL5266

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m

Meth Date : 30-Aug-2010 07:04 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 23

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

Processing Host: KRISTINF

					AMOUNTS		REVIEW CODE
					CAL-AMT	ON-COL	
					(ug/mL)	(ug/mL)	
Compounds	RT	EXP RT	REL RT	RESPONSE			
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.935	1.935	(1.000)	36937944	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.535	2.535	(1.310)	115019605	0.05000	0.0448	
3 Hexachlorobenzene	2.885	2.885	(1.491)	125672534	0.05000	0.0474	
4 alpha-BHC	2.988	2.988	(1.544)	119732838	0.05000	0.0495	
5 Lindane	3.272	3.272	(1.691)	106440318	0.05000	0.0481	
6 beta-BHC	3.333	3.333	(1.722)	49839627	0.05000	0.0470	
7 delta-BHC	3.583	3.583	(1.852)	109993758	0.05000	0.0493	
8 Heptachlor	3.645	3.645	(1.883)	103029255	0.05000	0.0461	
10 Alachlor	3.820	3.820	(1.974)	16026513	0.05000	0.0407	
9 Aldrin	3.928	3.928	(2.030)	106296082	0.05000	0.0491	
11 Heptachlor Epoxide	4.398	4.398	(2.273)	96534600	0.05000	0.0466	
12 trans-Chlordane	4.547	4.547	(2.349)	102645535	0.05000	0.0455	
13 cis-Chlordane	4.660	4.660	(2.408)	98929365	0.05000	0.0500	
15 Endosulfan I	4.707	4.707	(2.432)	90459810	0.05000	0.0491	
14 4,4'-DDE	4.782	4.782	(2.471)	109015260	0.05000	0.0518	
16 Dieldrin	4.912	4.912	(2.538)	101498119	0.05000	0.0486	
17 Endrin	5.135	5.135	(2.653)	87270793	0.05000	0.0510	
18 4,4'-DDD	5.203	5.203	(2.689)	84346011	0.05000	0.0516	
19 Endosulfan II	5.285	5.285	(2.731)	82004073	0.05000	0.0514	
20 4,4'-DDT	5.423	5.423	(2.802)	74798664	0.05000	0.0465	
21 Endrin Aldehyde	5.518	5.518	(2.851)	69826822	0.05000	0.0497	
23 Endosulfan Sulfate	5.705	5.705	(2.948)	81127762	0.05000	0.0527	
22 Methoxychlor	5.882	5.882	(3.039)	38389125	0.05000	0.0449	
24 Endrin Ketone	6.065	6.065	(3.134)	87671101	0.05000	0.0511	
\$ 25 Decachlorobiphenyl	6.828	6.828	(3.528)	91658705	0.05000	0.0546	

Alpha Analytical Labs

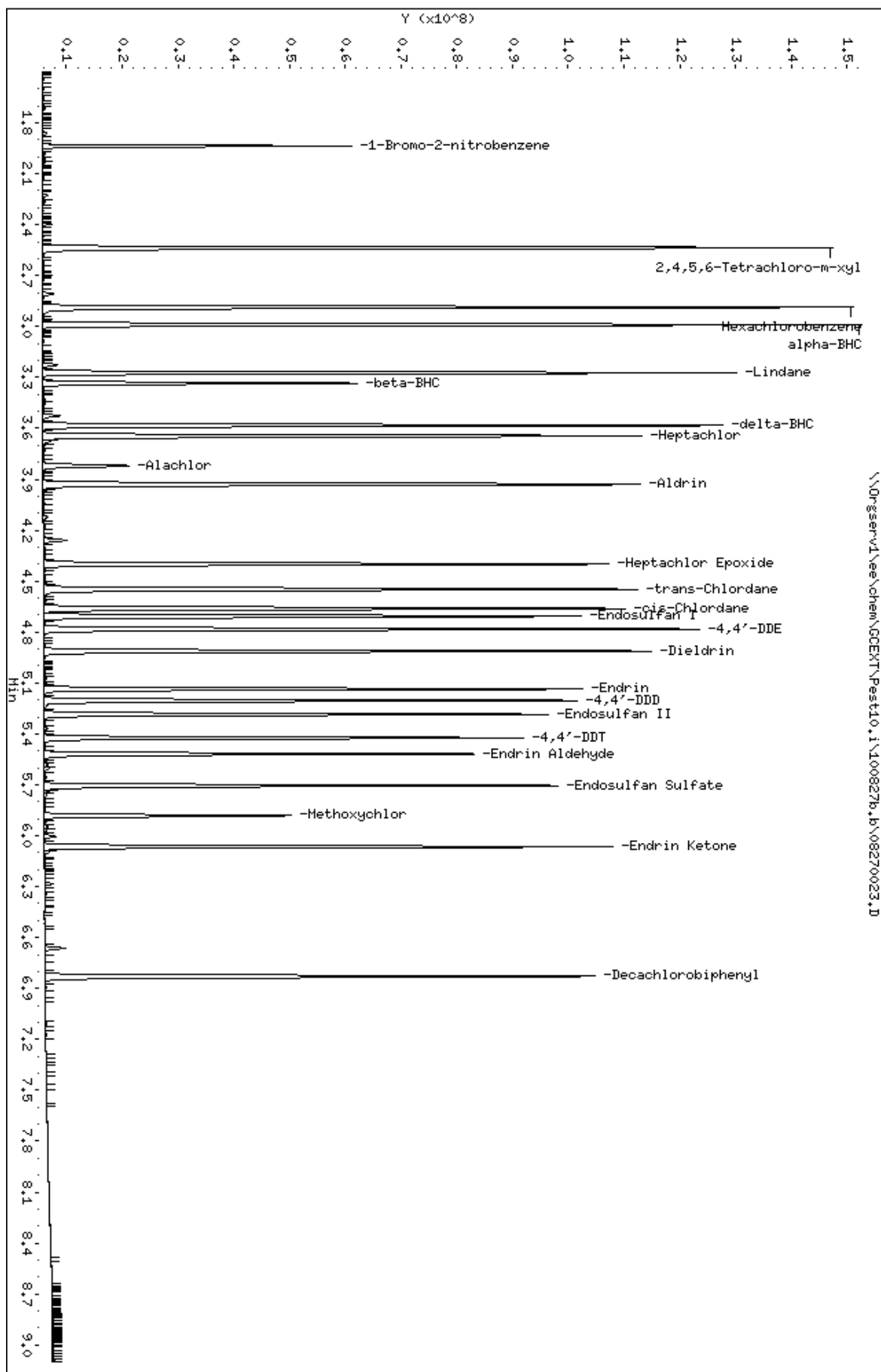
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 27-AUG-2010
 Lab File ID: 08270023.D Calibration Time: 10:37
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m
 Misc Info: wg429510, wg429321, ICAL5266

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29770742	14885371	59541484	36937944	24.07

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.26

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest10.i Injection Date: 27-AUG-2010 22:11
 Lab File ID: 08270024.D Init. Cal. Date(s): 18-JUN-2010 19-AUG-2010
 Analysis Type: Init. Cal. Times: 13:58 13:43
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
2 2,4,5,6-Tetrachloro-m-xylene	1.73578	1.25780	1.25780	0.010	27.53660	15.00000	Averaged
25 Decachlorobiphenyl	1.13540	1.07136	1.07136	0.010	5.64064	15.00000	Averaged
26 Chlordane(1)	0.05079	0.03885	0.03885	0.010	23.50216	15.00000	Averaged
(2)	0.07093	0.07062	0.07062	0.010	0.44333	15.00000	Averaged
(3)	0.17221	0.13673	0.13673	0.010	20.59896	15.00000	Averaged
(4)	0.13742	0.12153	0.12153	0.010	11.56041	15.00000	Averaged
(5)	0.12722	0.11171	0.11171	0.010	12.19743	15.00000	Averaged

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\08270024.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 22:11
 Operator : sh Inst ID: Pest10.i
 Smp Info : +chlor cc pp3055
 Misc Info : wg429510, wg429321, ICAL5265
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:06 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 24 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: chlorCC.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.860	1.860	(1.000)	11285423	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.338	2.338	(1.257)	28171748	0.05000	0.0399	
\$ 25 Decachlorobiphenyl	6.298	6.298	(3.386)	28728739	0.05000	0.0398	
26 Chlordane	3.228	3.228	(1.736)	9004097	0.50000	0.413(T)	

QC Flag Legend

T - Target compound detected outside RT window.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 27-AUG-2010
 Lab File ID: 08270024.D Calibration Time: 21:59
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\Pest10a.m
 Misc Info: wg429510, wg429321, ICAL5265

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10915686	5457843	21831372	11285423	3.39

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.86	1.36	2.36	1.86	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Date : 27-AUG-2010 22:11

Client ID:

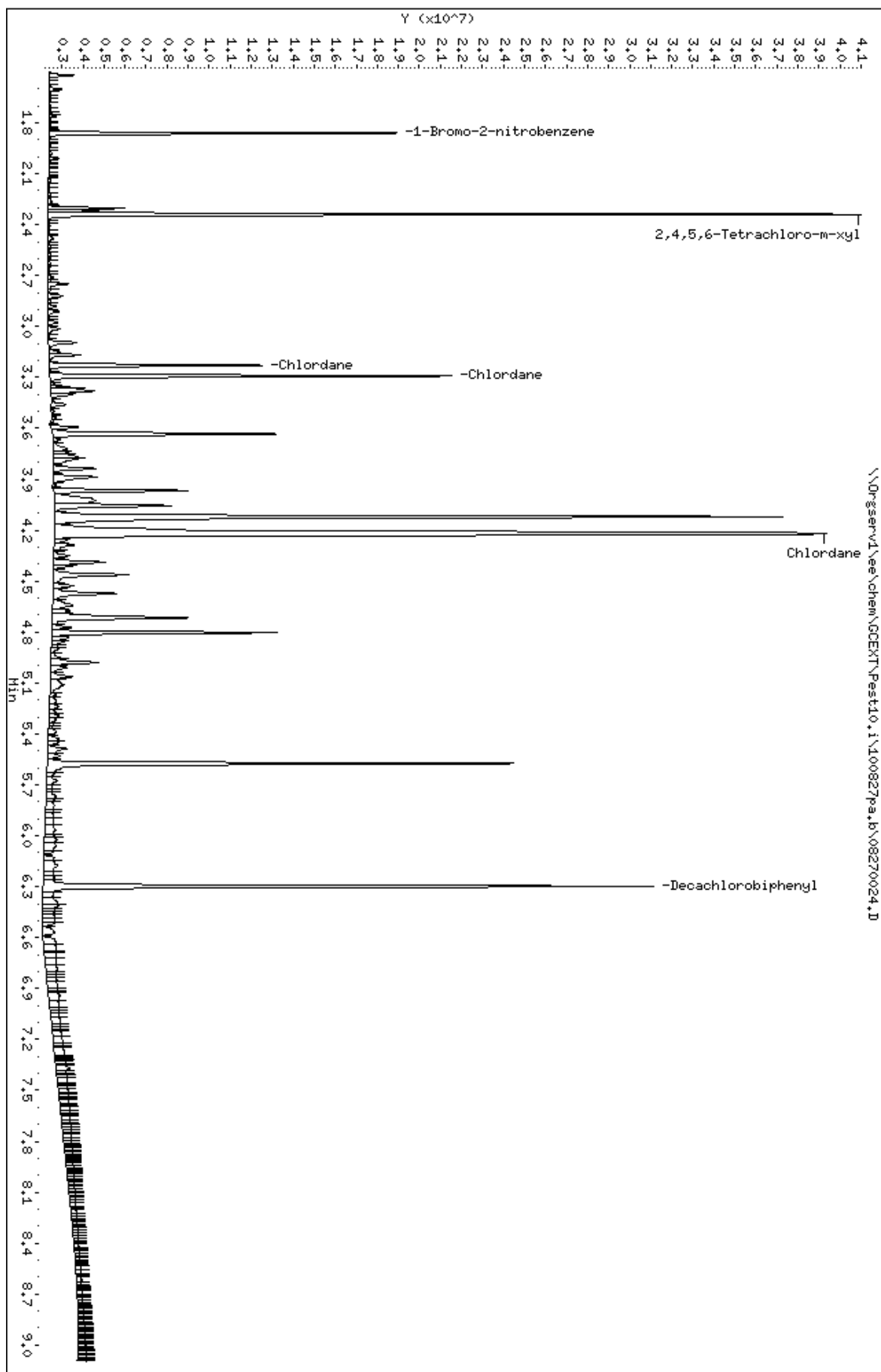
Sample Info: +chlor cc pp3055

Instrument: Pest10.i

Column phase: Rtx-CLP

Operator: sh

Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\08270024.D

Lab Smp Id:

Inj Date : 27-AUG-2010 22:11

Operator : sh

Inst ID: Pest10.i

Smp Info : +chlor cc pp3055

Misc Info : wg429510, wg429321, ICAL5266

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m

Meth Date : 30-Aug-2010 07:04 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 24

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: chlorCC.sub

Target Version: 4.12

Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.937	1.937	(1.000)	36961729	0.02500	(M)	M4
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.537	2.537	(1.310)	92981186	0.05000	0.0362	
\$ 25 Decachlorobiphenyl	6.825	6.825	(3.524)	79198330	0.05000	0.0472	
26 Chlordane	3.522	3.522	(1.818)	28719558	0.50000	0.382	

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 27-AUG-2010
 Lab File ID: 08270024.D Calibration Time: 21:59
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m
 Misc Info: wg429510, wg429321, ICAL5266

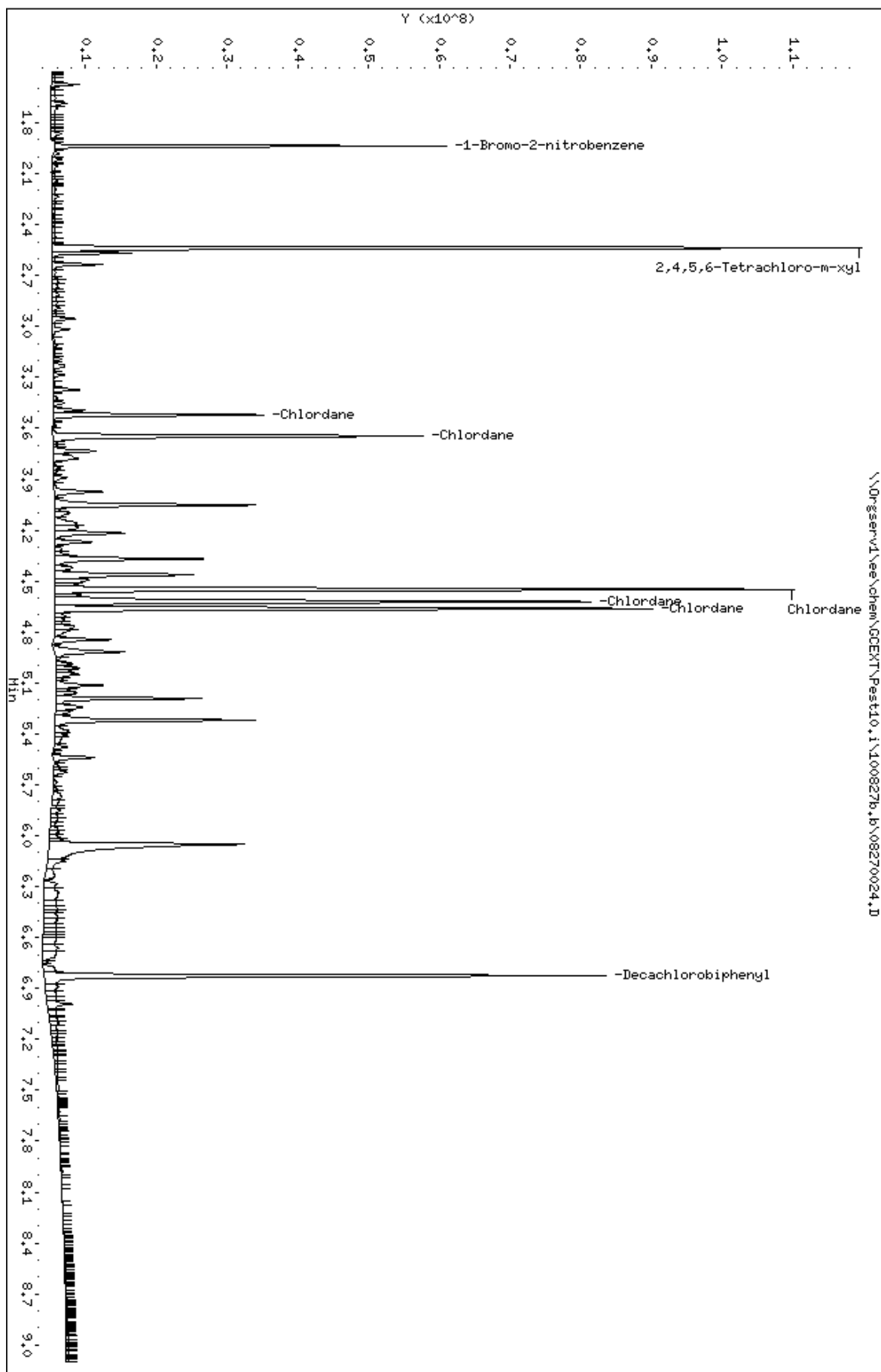
COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	36937944	18468972	73875888	36961729	0.06

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.08

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgeriv1\ee\chem\GCEXT\Pest10.i\100827b.b\08270024.D
 Date : 27-AUG-2010 22:11
 Client ID:
 Sample Info: tohlor oo pp3055
 Column phase: Rtx-CLPesticidesII

Instrument: Pest10.i
 Operator: sh
 Column diameter: 0.32



Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest10.i Injection Date: 27-AUG-2010 22:24
 Lab File ID: 08270025.D Init. Cal. Date(s): 18-JUN-2010 19-AUG-2010
 Analysis Type: Init. Cal. Times: 13:58 13:43
 Lab Sample ID: Quant Type: ISTD
 Method: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 2 2,4,5,6-Tetrachloro-m-xylene	1.73578	1.20707	1.20707	0.010	30.45941	15.00000	Averaged<-
\$ 25 Decachlorobiphenyl	1.13540	1.28719	1.28719	0.010	-13.36898	15.00000	Averaged
27 Toxaphene(1)	0.50000	0.83663	0.02401	0.010	-67.32643	15.00000	Linear<-
(2)	0.50000	0.60503	0.06533	0.010	-21.00574	15.00000	Linear<-
(3)	0.50000	0.60121	0.05954	0.010	-20.24181	15.00000	Linear<-
(4)	0.50000	0.59153	0.02903	0.010	-18.30568	15.00000	Linear<-
(5)	0.50000	++++	0.00126	0.010	++++	15.00000	Linear<-

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\08270025.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 22:24
 Operator : sh Inst ID: Pest10.i
 Smp Info : +tox cc pp3090
 Misc Info : wg429510, wg429321, ICAL5265
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\Pest10a.m
 Meth Date : 30-Aug-2010 07:06 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 25 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxCC.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.860	1.860	(1.000)	9163574	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.338	2.338	(1.257)	26561248	0.05000	0.0463	
\$ 25 Decachlorobiphenyl	6.298	6.298	(3.386)	29453432	0.05000	0.0503	
27 Toxaphene	4.585	4.585	(2.465)	4745571	0.50000	0.601	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 08270025.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\Pest10a.m
Misc Info: wg429510, wg429321, ICAL5265

Calibration Date: 27-AUG-2010
Calibration Time: 22:11
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	11285423	5642712	22570846	9163574	-18.80

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.86	1.36	2.36	1.86	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\0rgserv1\ee\chem\GC\EXT\Pest10.i\100827pa,b\08270025.D

Date : 27-AUG-2010 22:24

Client ID:

Sample Info: +tox oc pp3090

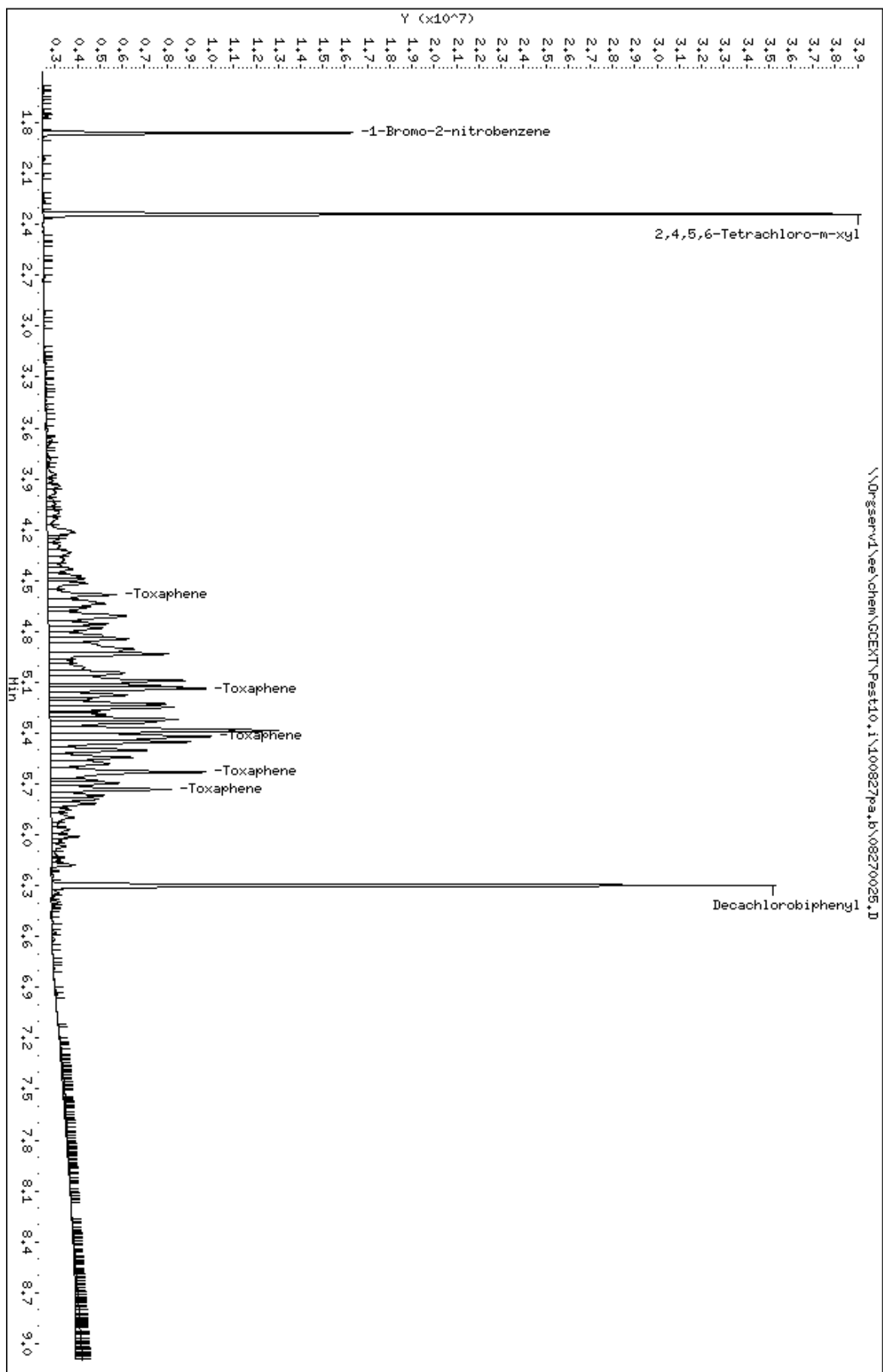
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

Page 3



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B
 Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\08270025.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 22:24
 Operator : sh Inst ID: Pest10.i
 Smp Info : +tox cc pp3090
 Misc Info : wg429510, wg429321, ICAL5266
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m
 Meth Date : 30-Aug-2010 07:04 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 25 Continuing Calibration Sample
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: toxCC.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds					AMOUNTS		REVIEW CODE
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)	
=====	====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.936	1.936	(1.000)	30913779	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.536	2.536	(1.310)	74630191	0.05000	0.0348	
\$ 25 Decachlorobiphenyl	6.826	6.826	(3.525)	79583881	0.05000	0.0567	
27 Toxaphene	4.896	4.896	(2.528)	14845870	0.50000	0.837	

Alpha Analytical Labs

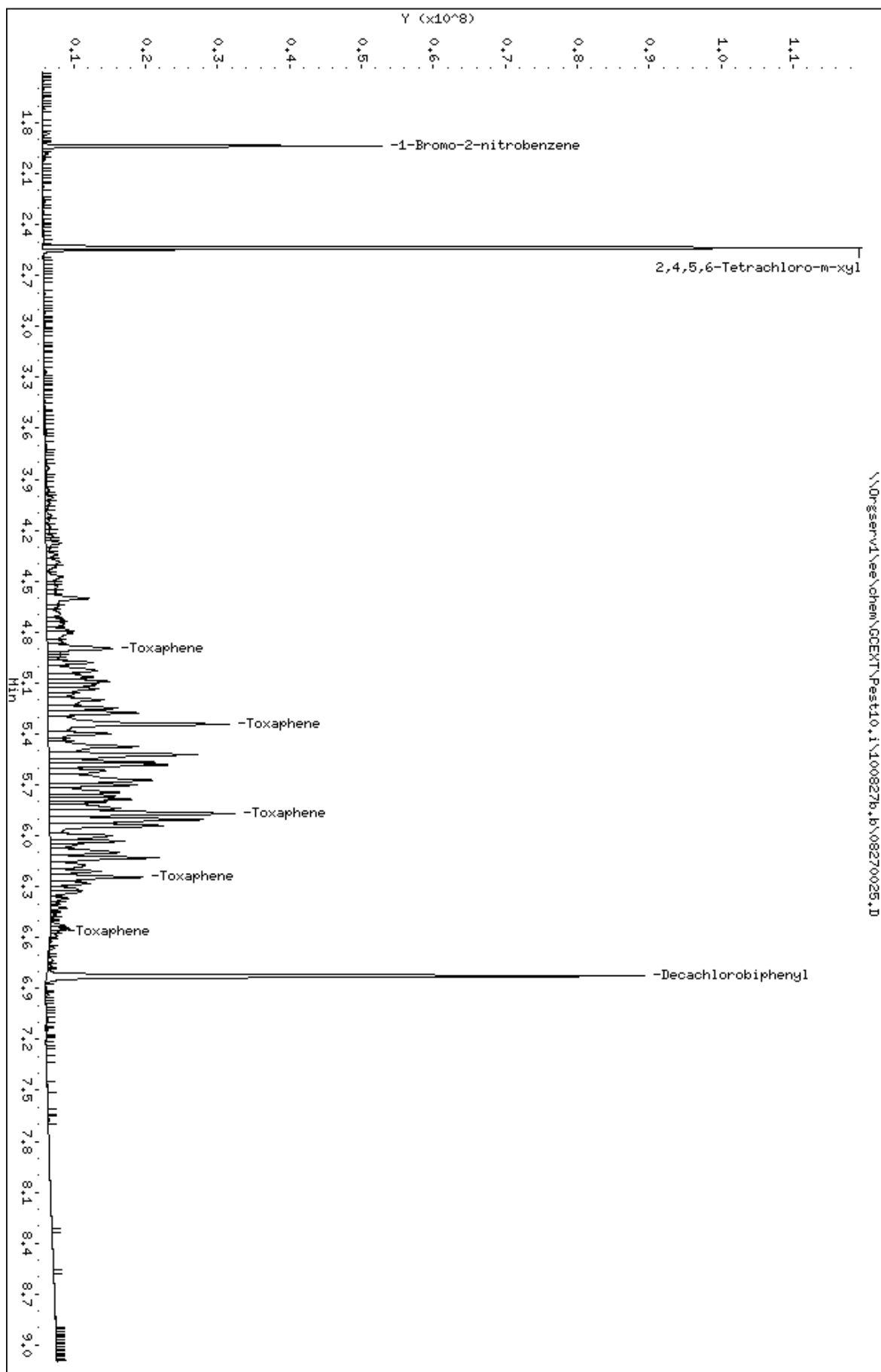
INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 27-AUG-2010
 Lab File ID: 08270025.D Calibration Time: 22:11
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m
 Misc Info: wg429510, wg429321, ICAL5266

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	36961729	18480865	73923458	30913779	-16.36

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.



Alpha Analytical Labs

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: Pest10.i Injection Date: 28-AUG-2010 00:19
Lab File ID: 08270034.D Init. Cal. Date(s): 18-JUN-2010 19-AUG-2010
Analysis Type: Init. Cal. Times: 13:58 13:43
Lab Sample ID: Quant Type: ISTD
Method: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
\$ 2 2,4,5,6-Tetrachloro-m-xylene	1.73578	1.54014	1.54014	0.010	11.27077	15.00000	Averaged
3 Hexachlorobenzene	1.79462	1.70620	1.70620	0.010	4.92688	15.00000	Averaged
4 alpha-BHC	1.63723	1.62293	1.62293	0.010	0.87314	15.00000	Averaged
5 Lindane	1.49852	1.45546	1.45546	0.010	2.87369	15.00000	Averaged
6 beta-BHC	0.71780	0.69071	0.69071	0.010	3.77371	15.00000	Averaged
7 delta-BHC	1.51038	1.52781	1.52781	0.010	-1.15424	15.00000	Averaged
8 Heptachlor	1.51343	1.41866	1.41866	0.010	6.26189	15.00000	Averaged
10 Alachlor	0.26647	0.21862	0.21862	0.010	17.95783	15.00000	Averaged<-
9 Aldrin	1.46384	1.46457	1.46457	0.010	-0.04973	15.00000	Averaged
11 Heptachlor Epoxide	1.40204	1.35644	1.35644	0.010	3.25231	15.00000	Averaged
12 trans-Chlordane	1.52712	1.45040	1.45040	0.010	5.02415	15.00000	Averaged
13 cis-Chlordane	1.33877	1.39641	1.39641	0.010	-4.30577	15.00000	Averaged
15 Endosulfan I	1.24621	1.21352	1.21352	0.010	2.62331	15.00000	Averaged
14 4,4'-DDE	1.42453	1.53742	1.53742	0.010	-7.92426	15.00000	Averaged
16 Dieldrin	1.41312	1.45132	1.45132	0.010	-2.70301	15.00000	Averaged
17 Endrin	1.15877	1.26618	1.26618	0.010	-9.26970	15.00000	Averaged
18 4,4'-DDD	1.10512	1.22215	1.22215	0.010	-10.59060	15.00000	Averaged
19 Endosulfan II	1.08036	1.18685	1.18685	0.010	-9.85752	15.00000	Averaged
20 4,4'-DDT	1.08756	1.10462	1.10462	0.010	-1.56894	15.00000	Averaged
21 Endrin Aldehyde	0.95156	1.00745	1.00745	0.010	-5.87370	15.00000	Averaged
23 Endosulfan Sulfate	1.04176	1.19706	1.19706	0.010	-14.90792	15.00000	Averaged
22 Methoxychlor	0.57813	0.58498	0.58498	0.010	-1.18542	15.00000	Averaged
24 Endrin Ketone	1.16209	1.28736	1.28736	0.010	-10.77901	15.00000	Averaged
\$ 25 Decachlorobiphenyl	1.13540	1.34269	1.34269	0.010	-18.25739	15.00000	Averaged<-

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\08270034.D

Lab Smp Id:

Inj Date : 28-AUG-2010 00:19

Operator : sh

Inst ID: Pest10.i

Smp Info : +pest cc pp3076

Misc Info : wg429510, wg429321, ICAL5266

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m

Meth Date : 30-Aug-2010 07:04 Pest10.i Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 34

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestical.sub

Target Version: 4.12

Processing Host: KRISTINF

					AMOUNTS		REVIEW CODE
					CAL-AMT	ON-COL	
					(ug/mL)	(ug/mL)	
Compounds	RT	EXP RT	REL RT	RESPONSE			
=====	====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.935	1.935	(1.000)	37166489	0.02500		
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.535	2.535	(1.310)	114483362	0.05000	0.0444	
3 Hexachlorobenzene	2.885	2.885	(1.491)	126826940	0.05000	0.0475	
4 alpha-BHC	2.989	2.989	(1.544)	120637582	0.05000	0.0496	
5 Lindane	3.272	3.272	(1.691)	108188690	0.05000	0.0486	
6 beta-BHC	3.334	3.334	(1.722)	51342593	0.05000	0.0481	
7 delta-BHC	3.584	3.584	(1.852)	113566544	0.05000	0.0506	
8 Heptachlor	3.645	3.645	(1.883)	105453236	0.05000	0.0469	
10 Alachlor	3.820	3.820	(1.974)	16250361	0.05000	0.0410	
9 Aldrin	3.929	3.929	(2.030)	108865838	0.05000	0.0500	
11 Heptachlor Epoxide	4.399	4.399	(2.273)	100828546	0.05000	0.0484	
12 trans-Chlordane	4.547	4.547	(2.349)	107812327	0.05000	0.0475	
13 cis-Chlordane	4.660	4.660	(2.408)	103799517	0.05000	0.0522	
15 Endosulfan I	4.707	4.707	(2.432)	90204714	0.05000	0.0487	
14 4,4'-DDE	4.782	4.782	(2.471)	114280855	0.05000	0.0540	
16 Dieldrin	4.912	4.912	(2.538)	107880632	0.05000	0.0514	
17 Endrin	5.135	5.135	(2.653)	94119237	0.05000	0.0546	
18 4,4'-DDD	5.204	5.204	(2.688)	90846301	0.05000	0.0553	
19 Endosulfan II	5.285	5.285	(2.731)	88222221	0.05000	0.0549	
20 4,4'-DDT	5.424	5.424	(2.802)	82109688	0.05000	0.0508	
21 Endrin Aldehyde	5.519	5.519	(2.851)	74886568	0.05000	0.0529	
23 Endosulfan Sulfate	5.705	5.705	(2.948)	88981091	0.05000	0.0574	
22 Methoxychlor	5.882	5.882	(3.039)	43483526	0.05000	0.0506	
24 Endrin Ketone	6.064	6.064	(3.133)	95693014	0.05000	0.0554	
\$ 25 Decachlorobiphenyl	6.825	6.825	(3.526)	99806444	0.05000	0.0591	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 08270034.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m
Misc Info: wg429510, wg429321, ICAL5266

Calibration Date: 27-AUG-2010
Calibration Time: 22:24
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	30913779	15456890	61827558	37166489	20.23

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\Drgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\08270034.D

Date : 28-AUG-2010 00:19

Client ID:

Sample Info: +pest co pp3076

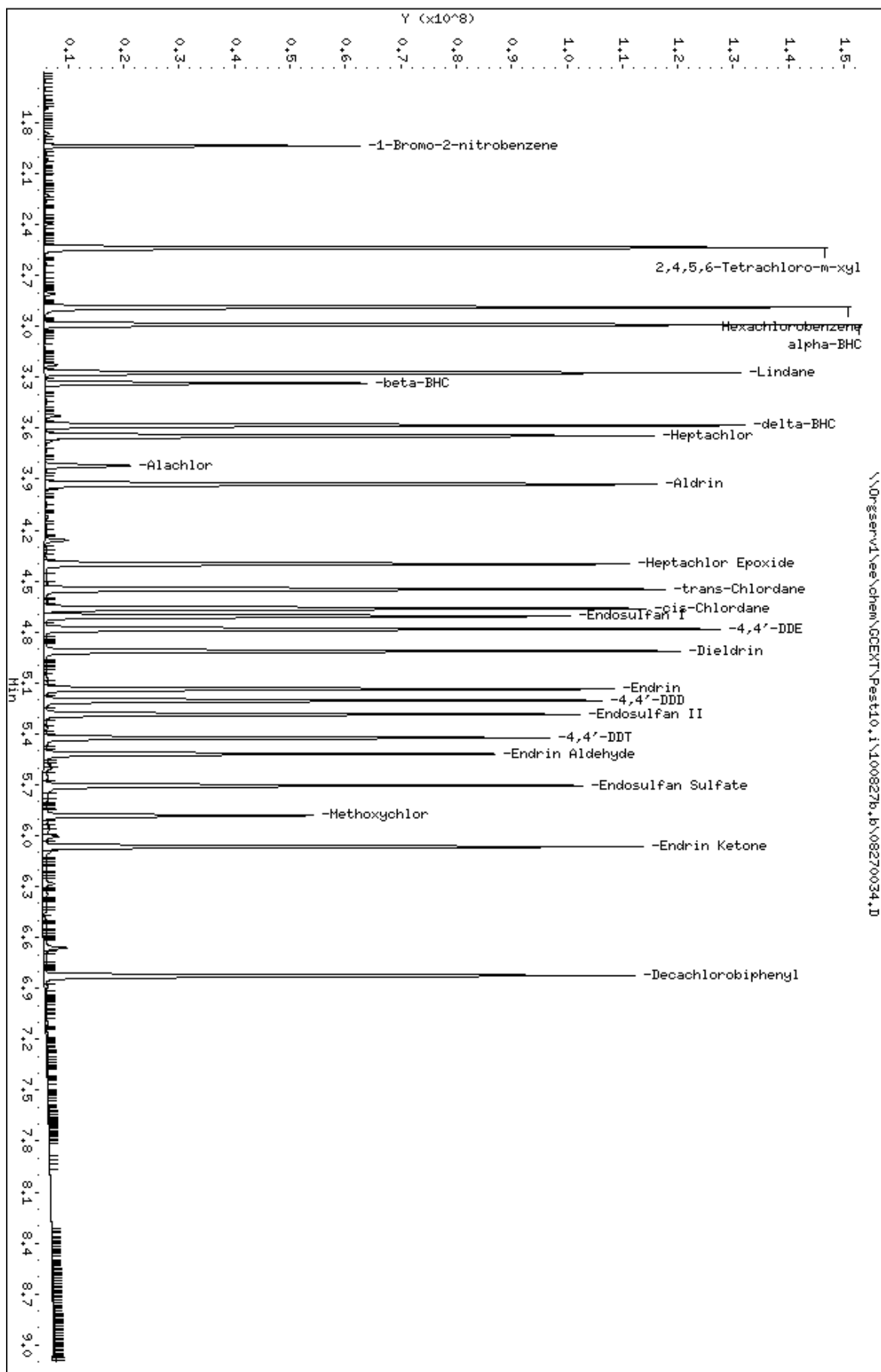
Column phase: RtX-CLPesticidesII

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

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Degradation Check Standard

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\08270022.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 21:46
 Operator : sh Inst ID: Pest10.i
 Smp Info : +deg std pp3078
 Misc Info : wg429510, wg429321, ICAL5265
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m
 Meth Date : 27-Aug-2010 11:06 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 22 QC Sample: degradation
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: deg.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN (ug/mL)	FINAL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.861	1.872	(1.000)	10938334	0.02500		
14 4,4'-DDE	4.290	4.291	(2.304)	201591	0.00032	0.000320(R)	
17 Endrin	4.688	4.689	(2.518)	27559803	0.04392	0.0439	
18 4,4'-DDD	4.743	4.744	(2.548)	1022917	0.00188	0.00188(R)	
20 4,4'-DDT	4.948	4.949	(2.638)	27913845	0.04722	0.0472(M)	
21 Endrin Aldehyde	5.151	5.154	(2.755)	452456	1e-003	0.000964(M)	
24 Endrin Ketone	5.641	5.642	(3.030)	1449323	0.00201	0.00201(R)	

DDT Degradation Percent = 4.202
 Endrin Degradation Percent = 6.455

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
 M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 08270022.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: sh
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m
Misc Info: wg429510, wg429321, ICAL5265

Calibration Date: 27-AUG-2010
Calibration Time: 10:37
Level:
Sample Type:

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	9213623	4606812	18427246	10938334	18.72

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.87	1.37	2.37	1.86	-0.55

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

TARGET COMPOUNDS

Client Name:	Client SDG: 041201a
Lab Smp Id:	
Sample Location:	Sample Point:
Sample Date:	Date Received:
Sample Matrix: None	Quant Type: ISTD
Analysis Type: OTHER	Level:
Data Type: GC MULTI COMP	Operator: sh
Misc Info: wg429510, wg429321, ICAL5265	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/mL	Q
-----4,4'-DDE		0.000320	
-----Endrin		0.0439	
-----4,4'-DDD		0.00188	
-----4,4'-DDT		0.0472	
-----Endrin Aldehyde		0.000964	
-----Endrin Ketone		0.00201	
=====		=====	=====

Data File: \\Drger\1\ee\chem\GCEXT\Pest10.i\100827a.b\08270022.D

Date : 27-AUG-2010 21:46

Client ID:

Sample Info: +deg std pp3078

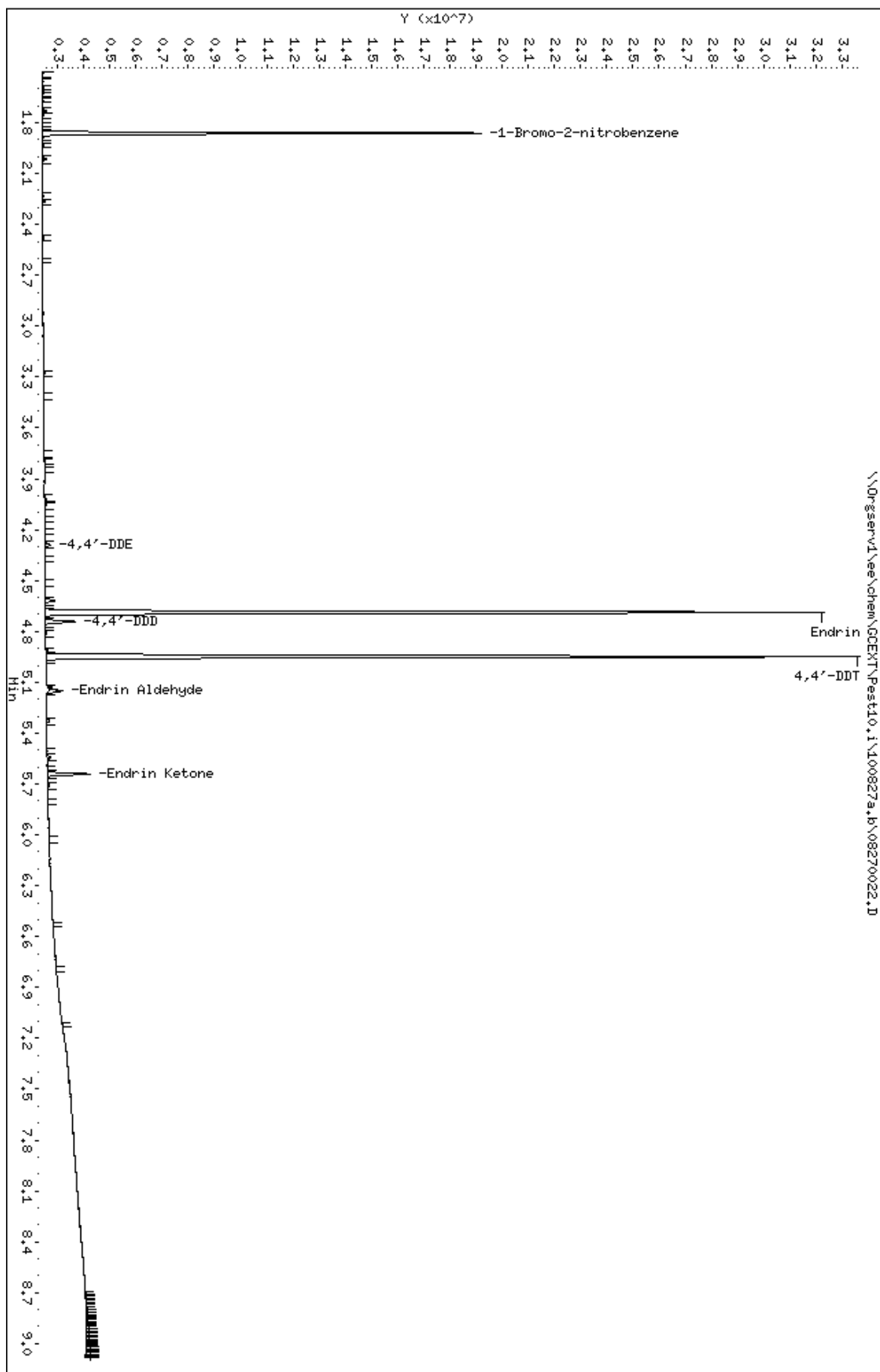
Column phase: RtX-CLP

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\08270022.D
 Lab Smp Id:
 Inj Date : 27-AUG-2010 21:46
 Operator : sh Inst ID: Pest10.i
 Smp Info : +deg std pp3078
 Misc Info : wg429510, wg429321, ICAL5266
 Comment : Low Level ICAL - Ultrafast method
 Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m
 Meth Date : 27-Aug-2010 11:06 Pest10.i Quant Type: ISTD
 Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
 Als bottle: 22 QC Sample: degradation
 Dil Factor: 1.00000
 Integrator: Falcon Compound Sublist: deg.sub
 Target Version: 4.12
 Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN (ug/mL)	FINAL (ug/mL)	
=====	=====	=====	=====	=====	=====	=====	=====
* 1 1-Bromo-2-nitrobenzene	1.935	1.940	(1.000)	36886855	0.02500		
14 4,4'-DDE	4.782	4.783	(2.471)	958679	5e-004	0.000456(R)	
17 Endrin	5.137	5.136	(2.654)	79346949	0.04641	0.0464	
18 4,4'-DDD	5.205	5.204	(2.690)	3730607	0.00229	0.00229(R)	
20 4,4'-DDT	5.425	5.424	(2.803)	76614147	0.04774	0.0477	
21 Endrin Aldehyde	5.517	5.518	(2.851)	2814076	0.00200	0.00200	
24 Endrin Ketone	6.065	6.066	(3.134)	4141070	0.00242	0.00242(R)	

DDT Degradation Percent = 5.768
 Endrin Degradataion Percent = 8.059

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 27-AUG-2010
 Lab File ID: 08270022.D Calibration Time: 10:37
 Lab Smp Id:
 Analysis Type: OTHER Level:
 Quant Type: ISTD Sample Type:
 Operator: sh
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m
 Misc Info: wg429510, wg429321, ICAL5266

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	29770742	14885371	59541484	36886855	23.90

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	-0.28

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

TARGET COMPOUNDS

Client Name:	Client SDG: 041201a
Lab Smp Id:	
Sample Location:	Sample Point:
Sample Date:	Date Received:
Sample Matrix: None	Quant Type: ISTD
Analysis Type: OTHER	Level:
Data Type: GC MULTI COMP	Operator: sh
Misc Info: wg429510, wg429321, ICAL5266	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/mL	Q
-----4,4'-DDE		0.000456	
-----Endrin		0.0464	
-----4,4'-DDD		0.00229	
-----4,4'-DDT		0.0477	
-----Endrin Aldehyde		0.00200	
-----Endrin Ketone		0.00242	
=====		=====	=====

Data File: \\Drger\1\ee\chem\GCEXT\Pest10.i\100827b.b\08270022.D

Date : 27-AUG-2010 21:46

Client ID:

Sample Info: +deg std pp3078

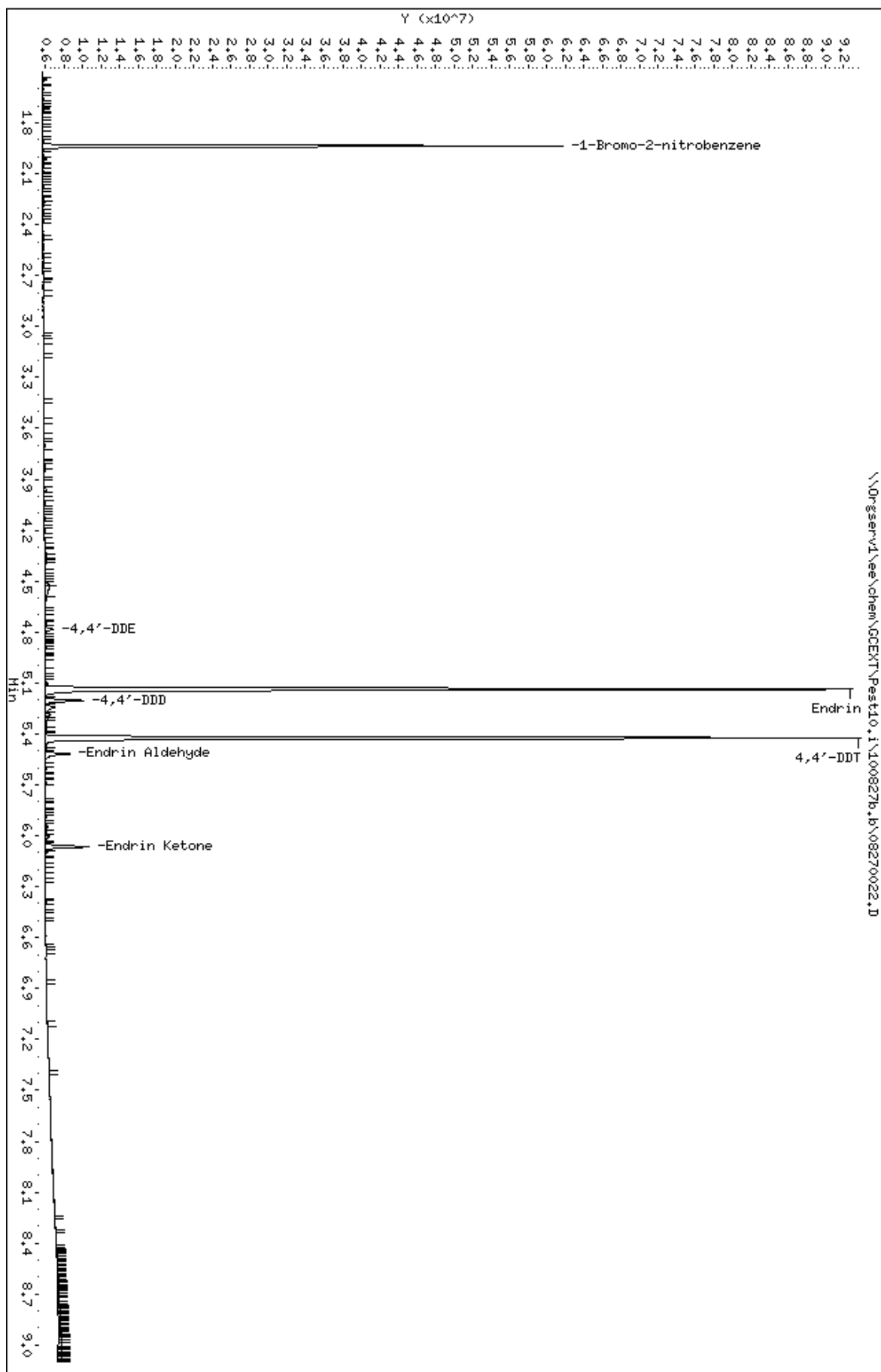
Column phase: Rtx-CLPestioideall

Instrument: Pest10.i

Operator: sh

Column diameter: 0.32

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Pesticides Raw QC Data

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\08270031.D
Lab Smp Id:
Inj Date : 27-AUG-2010 23:41
Operator : ss
Smp Info : wg429764-1p,42,
Misc Info : wg429989, wg429764,ICAL5265
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\Pest10a.m
Meth Date : 30-Aug-2010 07:06 Pest10.i Quant Type: ISTD
Cal Date : 19-AUG-2010 10:43 Cal File: 0819N008.D
Als bottle: 31
Dil Factor: 1.00000
Integrator: Falcon
Target Version: 4.12
Processing Host: EXT-11

Inst ID: Pest10.i

Compound Sublist: pestliqNY.sub

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN (ug/mL)	FINAL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.339	2.338	(1.257)	26941844	0.09140	0.0914(R)	
\$ 25 Decachlorobiphenyl	6.297	6.298	(3.384)	29378038	0.09761	0.0976(R)	
* 1 1-Bromo-2-Nitrobenzene	1.860	1.860	(1.000)	4710785	0.02500		
4 Alpha-BHC	2.704	2.710	(1.453)	59649	2.e-004	0.000195	
5 Lindane	2.932	2.933	(1.576)	240225	8e-004	0.000849	
8 Heptachlor	3.299	3.290	(1.773)	184259	6e-004	0.000613	
9 Aldrin	3.522	3.527	(1.893)	38770	1e-004	0.000144	
6 Beta-BHC	2.980	2.993	(1.602)	283298	0.00208	0.00208	
7 Delta-bhc	3.140	3.127	(1.688)	47624	2e-004	0.000167	
11 Heptachlor epoxide	3.999	4.018	(2.149)	28978	1.e-004	0.000102	
15 Endosulfan I	4.329	4.330	(2.326)	101394	4.e-004	0.000402	
12 trans-Chlordane	4.097	4.120	(2.202)	176074	6e-004	0.000579	
14 4,4'-DDE	4.280	4.288	(2.301)	20083	7e-005	0.0000740	
16 Dieldrin	4.515	4.513	(2.427)	19298	7e-005	0.0000686	
17 Endrin	4.704	4.687	(2.528)	11992	4e-005	0.0000444	
18 4,4'-DDD	4.712	4.742	(2.532)	11672	5.e-005	0.0000499	
19 Endosulfan II	4.852	4.852	(2.608)	27116	0.00011	0.000110	
20 4,4'-DDT	4.919	4.947	(2.644)	468612	0.00184	0.00184	
23 Endosulfan sulfate	5.474	5.452	(2.942)	271625	0.00108	0.00108	
22 Methoxychlor	5.320	5.293	(2.859)	105308	7e-004	0.000708	
24 Endrin ketone	5.624	5.640	(3.022)	92348	3.e-004	0.000297	
26 Chlordane	3.234	3.228	(1.738)	443073	0.02199	0.0220(T)	
27 Toxaphene	4.557	4.585	(2.449)	15770	0.03426	0.0343	

QC Flag Legend

T - Target compound detected outside RT window.
R - Spike/Surrogate failed recovery limits.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 27-AUG-2010
 Lab File ID: 08270031.D Calibration Time: 22:24
 Lab Smp Id:
 Analysis Type: OTHER Level: LOW
 Quant Type: ISTD Sample Type: WATER
 Operator: ss
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\Pest10a.m
 Misc Info: wg429989, wg429764, ICAL5265

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	9163574	4581787	18327148	4710785	-48.59

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.86	1.36	2.36	1.86	0.04

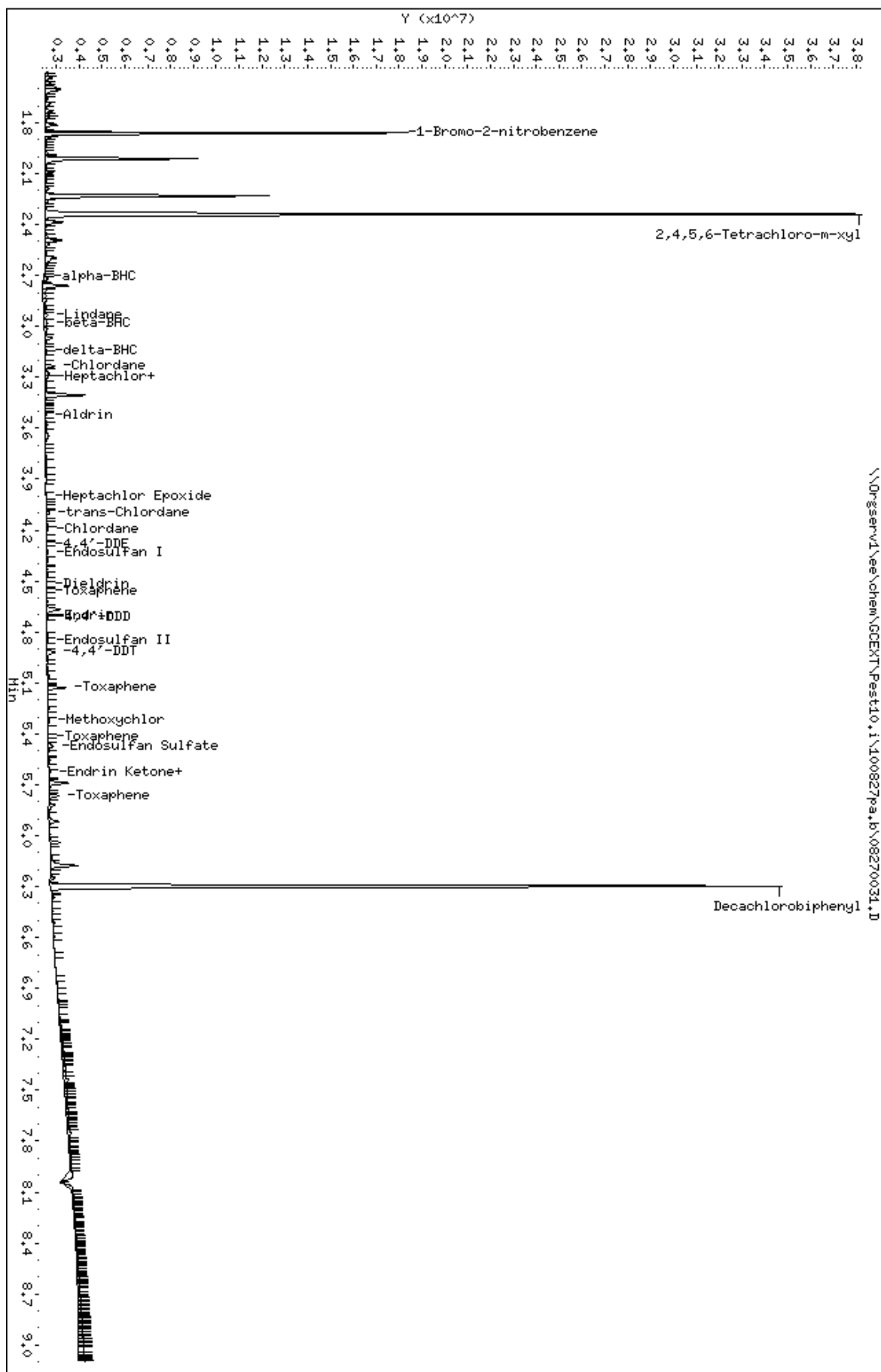
AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: 041201a
 Sample Matrix: LIQUID Fraction: OTHER
 Lab Smp Id:
 Level: LOW Operator: ss
 Data Type: GC MULTI COMP SampleType: SAMPLE
 SpikeList File: pestNY.spk Quant Type: ISTD
 Sublist File: pestliqNY.sub
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827pa.b\Pest10a.m
 Misc Info: wg429989, wg429764, ICAL5265

SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
\$ 2 2,4,5,6-Tetrachlor	0.0500	0.0914	182.80*	30-150
\$ 25 Decachlorobiphenyl	0.0500	0.0976	195.22*	30-150



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\08270031.D

Lab Smp Id:

Inj Date : 27-AUG-2010 23:41

Operator : ss

Inst ID: Pest10.i

Smp Info : wg429764-1,42,

Misc Info : wg429989, wg429764, ICAL5265

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m

Meth Date : 30-Aug-2010 15:41 ssus

Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 31

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestliqNY.sub

Target Version: 4.12

Processing Host: EXT-11

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN	FINAL	
					(ug/mL)	(ng)	
=====	=====	=====	=====	=====	=====	=====	=====
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.339	2.338	(1.257)	26941844	0.04337	0.0434	
\$ 25 Decachlorobiphenyl	6.297	6.297	(3.384)	29378038	0.04631	0.0463	
* 1 1-Bromo-2-Nitrobenzene	1.860	1.860	(1.000)	9928452	0.02500	(M)	M1
4 Alpha-BHC	Compound Not Detected.						
5 Lindane	Compound Not Detected.						
8 Heptachlor	Compound Not Detected.						
9 Aldrin	Compound Not Detected.						
6 Beta-BHC	Compound Not Detected.						
7 Delta-bhc	Compound Not Detected.						
11 Heptachlor epoxide	Compound Not Detected.						
15 Endosulfan I	Compound Not Detected.						
12 trans-Chlordane	Compound Not Detected.						
14 4,4'-DDE	Compound Not Detected.						
16 Dieldrin	Compound Not Detected.						
17 Endrin	Compound Not Detected.						
18 4,4'-DDD	Compound Not Detected.						
19 Endosulfan II	Compound Not Detected.						
20 4,4'-DDT	Compound Not Detected.						
23 Endosulfan sulfate	Compound Not Detected.						
22 Methoxychlor	Compound Not Detected.						
24 Endrin ketone	Compound Not Detected.						
26 Chlordane	Compound Not Detected.						
27 Toxaphene	Compound Not Detected.						

QC Flag Legend

M - Compound response manually integrated.

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 08270031.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: ss
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m
Misc Info: wg429989, wg429764, ICAL5265

Calibration Date: 28-AUG-2010
Calibration Time: 00:19
Level: LOW
Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10860130	5430065	21720260	9928452	-8.58

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.86	1.36	2.36	1.86	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: 041201a
Sample Matrix: LIQUID Fraction: OTHER
Lab Smp Id:
Level: LOW Operator: ss
Data Type: GC MULTI COMP SampleType: SAMPLE
SpikeList File: pestNY.spk Quant Type: ISTD
Sublist File: pestliqNY.sub
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m
Misc Info: wg429989, wg429764, ICAL5265

SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
\$ 2 2,4,5,6-Tetrachlor	0.0500	0.0434	86.74	30-150
\$ 25 Decachlorobiphenyl	0.0500	0.0463	92.63	30-150

Data File: \\Drgeriv1\ee\chem\GCEXT\Pest10.i\100827a.b\08270031.D

Date : 27-AUG-2010 23:41

Client ID:

Sample Info: wg429764-1,42,

Purge Volume: 1000.0

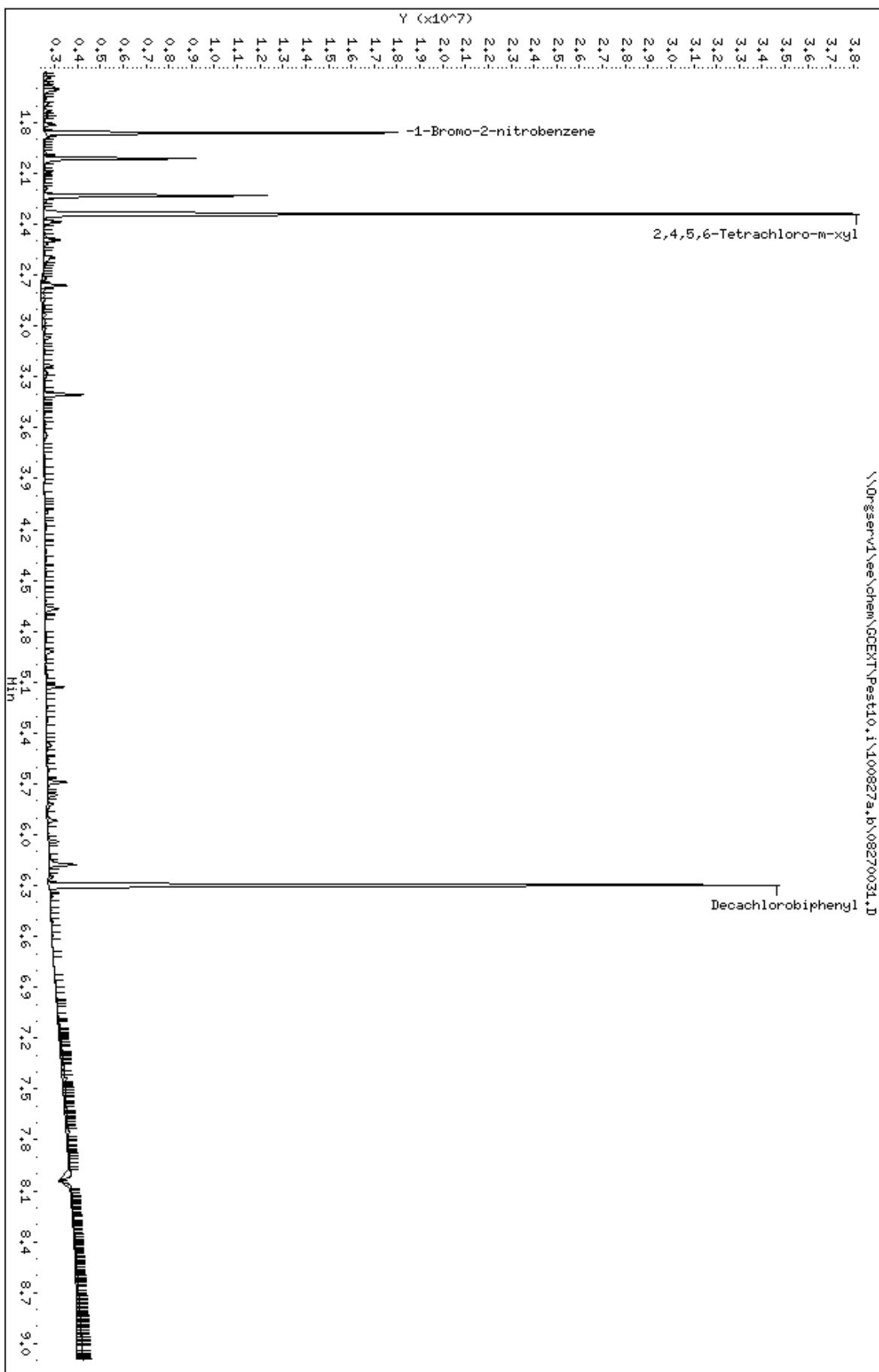
Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: ss

Column diameter: 0.32

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Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\08270031.D

Lab Smp Id:

Inj Date : 27-AUG-2010 23:41

Operator : ss

Inst ID: Pest10.i

Smp Info : wg429764-1,42,

Misc Info : wg429989, wg429764, ICAL5266

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m

Meth Date : 30-Aug-2010 15:43 ssus

Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 31

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestliqNY.sub

Target Version: 4.12

Processing Host: EXT-11

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN	FINAL	
					(ug/mL)	(ng)	
=====	=====	=====	=====	=====	=====	=====	=====
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.535	2.535	(1.310)	93266476	0.03834	0.0383	
\$ 25 Decachlorobiphenyl	6.825	6.825	(3.526)	80134665	0.05036	0.0504	
* 1 1-Bromo-2-Nitrobenzene	1.935	1.935	(1.000)	35035044	0.02500		
4 Alpha-BHC	Compound Not Detected.						
5 Lindane	Compound Not Detected.						
8 Heptachlor	Compound Not Detected.						
9 Aldrin	Compound Not Detected.						
6 Beta-BHC	Compound Not Detected.						
7 Delta-bhc	Compound Not Detected.						
11 Heptachlor epoxide	Compound Not Detected.						
15 Endosulfan I	Compound Not Detected.						
12 trans-Chlordane	Compound Not Detected.						
14 4,4'-DDE	Compound Not Detected.						
16 Dieldrin	Compound Not Detected.						
17 Endrin	Compound Not Detected.						
18 4,4'-DDD	Compound Not Detected.						
19 Endosulfan II	Compound Not Detected.						
20 4,4'-DDT	Compound Not Detected.						
23 Endosulfan sulfate	Compound Not Detected.						
22 Methoxychlor	Compound Not Detected.						
24 Endrin ketone	Compound Not Detected.						
26 Chlordane	Compound Not Detected.						
27 Toxaphene	Compound Not Detected.						

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 08270031.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: ss
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m
Misc Info: wg429989, wg429764, ICAL5266

Calibration Date: 28-AUG-2010
Calibration Time: 00:19
Level: LOW
Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	37166489	18583245	74332978	35035044	-5.73

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

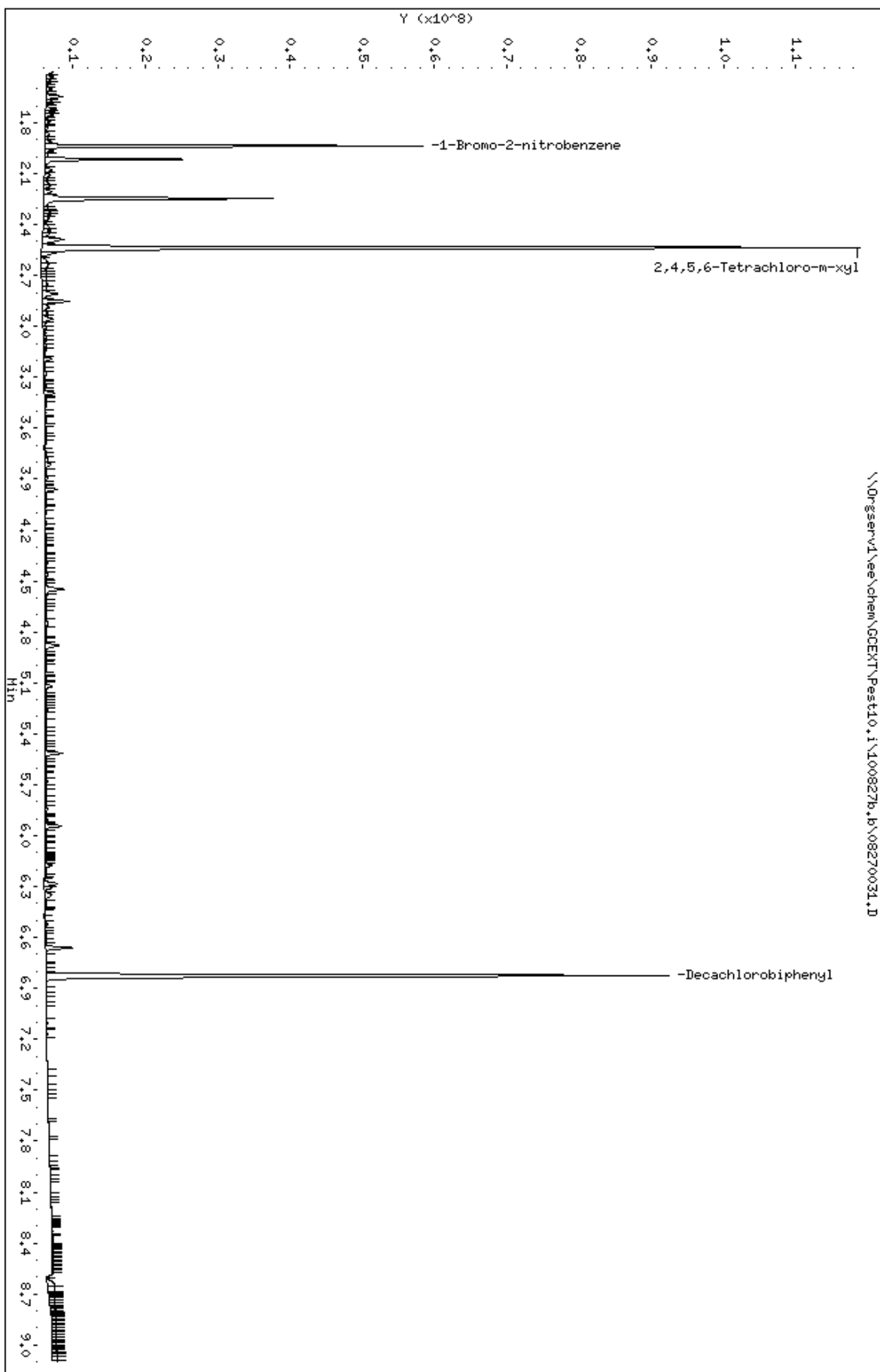
RECOVERY REPORT

Client Name: Client SDG: 041201a
Sample Matrix: LIQUID Fraction: OTHER
Lab Smp Id:
Level: LOW Operator: ss
Data Type: GC MULTI COMP SampleType: SAMPLE
SpikeList File: pestliqNY.spk Quant Type: ISTD
Sublist File: pestliqNY.sub
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m
Misc Info: wg429989, wg429764, ICAL5266

SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
\$ 2 2,4,5,6-Tetrachlor	0.0500	0.0383	76.68	30-150
\$ 25 Decachlorobiphenyl	0.0500	0.0504	100.73	30-150

Data File: \\Drger\1\ee\chem\GCEXT\Pest10.i\100827b.b\08270031.D
Date : 27-AUG-2010 23:41
Client ID:
Sample Info: wg429764-1,42,
Purge Volume: 1000.0
Column phase: Rtx-CLPesticidesII

Instrument: Pest10.i
Operator: ss
Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\08270032.D

Lab Smp Id:

Inj Date : 27-AUG-2010 23:53

Operator : ss

Inst ID: Pest10.i

Smp Info : wg429764-2,42,

Misc Info : wg429989, wg429764, ICAL5265

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m

Meth Date : 30-Aug-2010 15:41 ssus

Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 32

QC Sample: LCS

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestliqNYspk.sub

Target Version: 4.12

Processing Host: EXT-11

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN (ug/mL)	FINAL (ng)	
=====	====	=====	=====	=====	=====	=====	=====
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.339	2.338	(1.257)	27190530	0.04195	0.0419	
\$ 25 Decachlorobiphenyl	6.297	6.297	(3.384)	27392172	0.04139	0.0414	
* 1 1-Bromo-2-Nitrobenzene	1.860	1.860	(1.000)	10358990	0.02500		
4 Alpha-BHC	2.710	2.710	(1.457)	38359701	0.05704	0.0570	
5 Lindane	2.934	2.932	(1.577)	37499056	0.06027	0.0603	
8 Heptachlor	3.292	3.290	(1.769)	36724030	0.05558	0.0556	
9 Aldrin	3.527	3.527	(1.896)	33655605	0.05679	0.0568	
6 Beta-BHC	2.994	2.993	(1.609)	16828909	0.05627	0.0563	
7 Delta-bhc	3.127	3.127	(1.681)	36507663	0.05812	0.0581	
11 Heptachlor epoxide	4.019	4.018	(2.160)	35885896	0.05767	0.0577	
15 Endosulfan I	4.330	4.330	(2.327)	33412693	0.06026	0.0603	
12 trans-Chlordane	4.120	4.120	(2.214)	36332210	0.05435	0.0543	
14 4,4'-DDE	4.289	4.288	(2.305)	35847839	0.06011	0.0601	
16 Dieldrin	4.514	4.513	(2.426)	38139558	0.06167	0.0617	
17 Endrin	4.687	4.687	(2.519)	35934096	0.06047	0.0605	
18 4,4'-DDD	4.742	4.742	(2.548)	32059868	0.06237	0.0624	
19 Endosulfan II	4.850	4.850	(2.607)	32943050	0.06084	0.0608	
20 4,4'-DDT	4.947	4.947	(2.659)	32099805	0.05733	0.0573	
23 Endosulfan sulfate	5.452	5.452	(2.930)	30842725	0.05599	0.0560	
22 Methoxychlor	5.294	5.293	(2.845)	16992183	0.05198	0.0520	
24 Endrin ketone	5.640	5.640	(3.031)	37437667	0.05475	0.0547	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 28-AUG-2010
 Lab File ID: 08270032.D Calibration Time: 00:19
 Lab Smp Id:
 Analysis Type: OTHER Level: LOW
 Quant Type: ISTD Sample Type: WATER
 Operator: ss
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m
 Misc Info: wg429989, wg429764, ICAL5265

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10860130	5430065	21720260	10358990	-4.61

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.86	1.36	2.36	1.86	0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: 041201a
 Sample Matrix: LIQUID Fraction: OTHER
 Lab Smp Id:
 Level: LOW Operator: ss
 Data Type: GC MULTI COMP SampleType: LCS
 SpikeList File: pestliqNY.spk Quant Type: ISTD
 Sublist File: pestliqNYspk.sub
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m
 Misc Info: wg429989, wg429764, ICAL5265

SPIKE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
9 Aldrin	0.0500	0.0568	113.58	30-150
4 Alpha-BHC	0.0500	0.0570	114.07	30-150
6 Beta-BHC	0.0500	0.0563	112.54	30-150
7 Delta-bhc	0.0500	0.0581	116.24	30-150
5 Lindane	0.0500	0.0603	120.54	30-150
12 trans-Chlordane	0.0500	0.0543	108.70	30-150
18 4,4'-DDD	0.0500	0.0624	124.74	30-150
14 4,4'-DDE	0.0500	0.0601	120.23	30-150
20 4,4'-DDT	0.0500	0.0573	114.67	30-150
16 Dieldrin	0.0500	0.0617	123.35	30-150
15 Endosulfan I	0.0500	0.0603	120.52	30-150
19 Endosulfan II	0.0500	0.0608	121.67	30-150
23 Endosulfan sulfate	0.0500	0.0560	111.98	30-150
17 Endrin	0.0500	0.0605	120.93	30-150
8 Heptachlor	0.0500	0.0556	111.16	30-150
11 Heptachlor epoxide	0.0500	0.0577	115.34	30-150
22 Methoxychlor	0.0500	0.0520	103.96	30-150
24 Endrin ketone	0.0500	0.0547	109.49	30-150

SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
\$ 2 2,4,5,6-Tetrachlor	0.0500	0.0419	83.90	30-150
\$ 25 Decachlorobiphenyl	0.0500	0.0414	82.78	30-150

Data File: \\Drger\serv1\ee\chem\GC\EXT\Pest10.i\100827a.b\08270032.D

Date : 27-AUG-2010 23:53

Client ID:

Sample Info: wg429764-2.42,

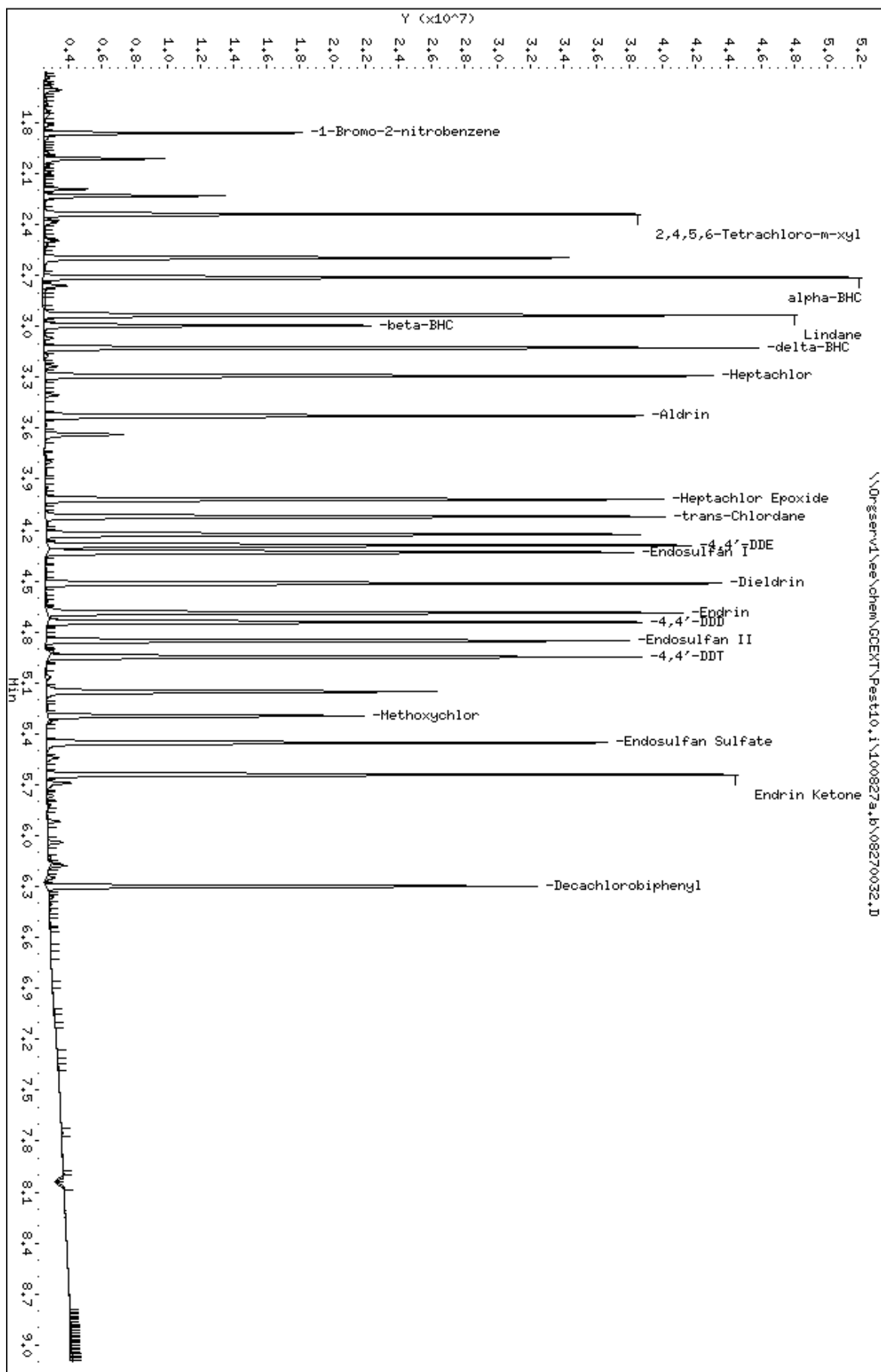
Purge Volume: 1000.0

Column phase: Rtx-CLP

Instrument: Pest10.i

Operator: ss

Column diameter: 0.32



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\08270032.D

Lab Smp Id:

Inj Date : 27-AUG-2010 23:53

Operator : ss

Inst ID: Pest10.i

Smp Info : wg429764-2,42,

Misc Info : wg429989, wg429764, ICAL5266

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m

Meth Date : 30-Aug-2010 15:43 ssus

Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 32

QC Sample: LCS

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestliqNYspk.sub

Target Version: 4.12

Processing Host: EXT-11

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN (ug/mL)	FINAL (ng)	
=====	=====	=====	=====	=====	=====	=====	=====
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.536	2.535	(1.310)	94116516	0.03799	0.0380	
\$ 25 Decachlorobiphenyl	6.824	6.825	(3.525)	78541509	0.04847	0.0485	
* 1 1-Bromo-2-Nitrobenzene	1.936	1.935	(1.000)	35679413	0.02500		
4 Alpha-BHC	2.989	2.989	(1.544)	125766462	0.05382	0.0538	
5 Lindane	3.272	3.272	(1.690)	115096229	0.05382	0.0538	
8 Heptachlor	3.646	3.645	(1.883)	108273570	0.05013	0.0501	
9 Aldrin	3.929	3.929	(2.030)	109597019	0.05246	0.0524	
6 Beta-BHC	3.334	3.334	(1.722)	53237385	0.05197	0.0520	
7 Delta-bhc	3.584	3.584	(1.851)	115455733	0.05356	0.0536	
11 Heptachlor epoxide	4.399	4.399	(2.272)	108004954	0.05398	0.0540	
15 Endosulfan I	4.707	4.707	(2.432)	101870718	0.05728	0.0573	
12 trans-Chlordane	4.547	4.547	(2.349)	114492491	0.05253	0.0525	
14 4,4'-DDE	4.782	4.782	(2.470)	117229641	0.05766	0.0577	
16 Dieldrin	4.912	4.912	(2.537)	114749433	0.05690	0.0569	
17 Endrin	5.136	5.135	(2.653)	101243677	0.06122	0.0612	
18 4,4'-DDD	5.204	5.204	(2.688)	95040862	0.06026	0.0602	
19 Endosulfan II	5.284	5.285	(2.729)	94073858	0.06101	0.0610	
20 4,4'-DDT	5.424	5.424	(2.802)	87322107	0.05626	0.0562	
23 Endosulfan sulfate	5.706	5.705	(2.947)	84097321	0.05656	0.0566	
22 Methoxychlor	5.882	5.882	(3.038)	42486879	0.05149	0.0515	
24 Endrin ketone	6.064	6.064	(3.132)	90316426	0.05446	0.0544	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 28-AUG-2010
 Lab File ID: 08270032.D Calibration Time: 00:19
 Lab Smp Id:
 Analysis Type: OTHER Level: LOW
 Quant Type: ISTD Sample Type: WATER
 Operator: ss
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m
 Misc Info: wg429989, wg429764, ICAL5266

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	37166489	18583245	74332978	35679413	-4.00

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.02

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

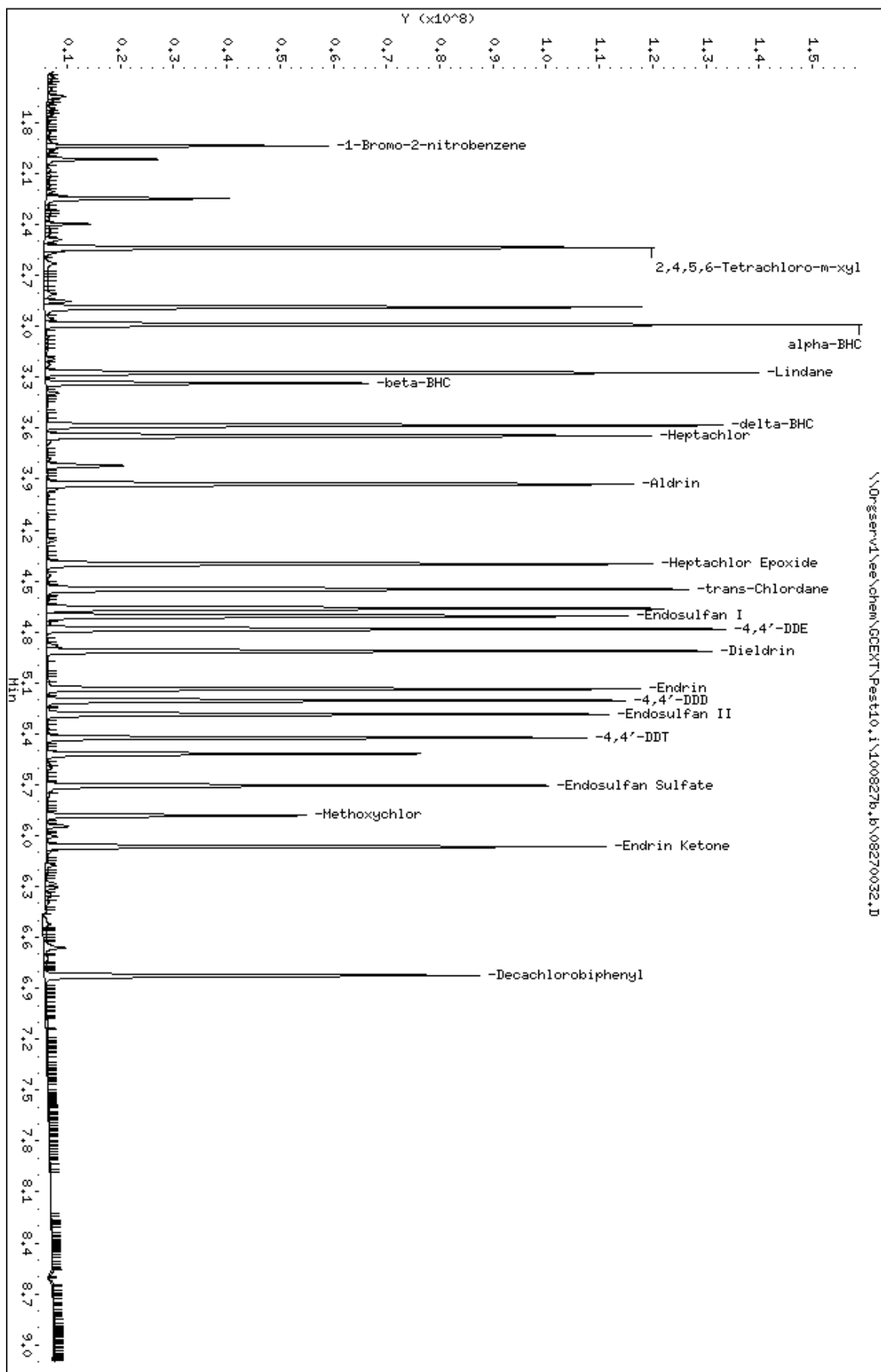
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: 041201a
 Sample Matrix: LIQUID Fraction: OTHER
 Lab Smp Id:
 Level: LOW Operator: ss
 Data Type: GC MULTI COMP SampleType: LCS
 SpikeList File: pestliqNY.spk Quant Type: ISTD
 Sublist File: pestliqNYspk.sub
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m
 Misc Info: wg429989, wg429764, ICAL5266

SPIKE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
9 Aldrin	0.0500	0.0524	104.92	30-150
4 Alpha-BHC	0.0500	0.0538	107.65	30-150
6 Beta-BHC	0.0500	0.0520	103.94	30-150
7 Delta-bhc	0.0500	0.0536	107.12	30-150
5 Lindane	0.0500	0.0538	107.63	30-150
12 trans-Chlordane	0.0500	0.0525	105.06	30-150
18 4,4'-DDD	0.0500	0.0602	120.52	30-150
14 4,4'-DDE	0.0500	0.0577	115.32	30-150
20 4,4'-DDT	0.0500	0.0562	112.52	30-150
16 Dieldrin	0.0500	0.0569	113.80	30-150
15 Endosulfan I	0.0500	0.0573	114.55	30-150
19 Endosulfan II	0.0500	0.0610	122.03	30-150
23 Endosulfan sulfate	0.0500	0.0566	113.13	30-150
17 Endrin	0.0500	0.0612	122.44	30-150
8 Heptachlor	0.0500	0.0501	100.26	30-150
11 Heptachlor epoxide	0.0500	0.0540	107.95	30-150
22 Methoxychlor	0.0500	0.0515	102.99	30-150
24 Endrin ketone	0.0500	0.0544	108.91	30-150

SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
\$ 2 2,4,5,6-Tetrachlor	0.0500	0.0380	75.98	30-150
\$ 25 Decachlorobiphenyl	0.0500	0.0485	96.94	30-150



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\08270033.D

Lab Smp Id:

Inj Date : 28-AUG-2010 00:06

Operator : ss

Inst ID: Pest10.i

Smp Info : wg429764-3,42,

Misc Info : wg429989, wg429764, ICAL5265

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m

Meth Date : 30-Aug-2010 15:41 ssus

Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 33

QC Sample: LCS

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestliqNYspk.sub

Target Version: 4.12

Processing Host: EXT-11

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN (ug/mL)	FINAL (ng)	
=====	====	=====	=====	=====	=====	=====	=====
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.339	2.338	(1.257)	28923571	0.04369	0.0437	
\$ 25 Decachlorobiphenyl	6.299	6.297	(3.385)	30815735	0.04559	0.0456	
* 1 1-Bromo-2-Nitrobenzene	1.860	1.860	(1.000)	10579683	0.02500		
4 Alpha-BHC	2.710	2.710	(1.457)	40783763	0.05938	0.0594	
5 Lindane	2.934	2.932	(1.577)	39715704	0.06250	0.0625	
8 Heptachlor	3.292	3.290	(1.769)	39762835	0.05892	0.0589	
9 Aldrin	3.527	3.527	(1.896)	36472783	0.06026	0.0603	
6 Beta-BHC	2.994	2.993	(1.609)	17784922	0.05822	0.0582	
7 Delta-bhc	3.127	3.127	(1.681)	38532956	0.06007	0.0601	
11 Heptachlor epoxide	4.019	4.018	(2.160)	38298480	0.06027	0.0603	
15 Endosulfan I	4.330	4.330	(2.327)	35837154	0.06329	0.0633	
12 trans-Chlordane	4.120	4.120	(2.215)	38504827	0.05640	0.0564	
14 4,4'-DDE	4.289	4.288	(2.305)	38495436	0.06321	0.0632	
16 Dieldrin	4.514	4.513	(2.426)	40722360	0.06448	0.0645	
17 Endrin	4.687	4.687	(2.519)	38786777	0.06391	0.0639	
18 4,4'-DDD	4.742	4.742	(2.549)	34229469	0.06520	0.0652	
19 Endosulfan II	4.852	4.850	(2.608)	34976993	0.06324	0.0632	
20 4,4'-DDT	4.947	4.947	(2.659)	34904937	0.06104	0.0610	
23 Endosulfan sulfate	5.452	5.452	(2.930)	34014256	0.06046	0.0604	
22 Methoxychlor	5.295	5.293	(2.846)	18338473	0.05493	0.0549	
24 Endrin ketone	5.640	5.640	(3.031)	39859874	0.05707	0.0571	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: Pest10.i Calibration Date: 28-AUG-2010
 Lab File ID: 08270033.D Calibration Time: 00:19
 Lab Smp Id:
 Analysis Type: OTHER Level: LOW
 Quant Type: ISTD Sample Type: WATER
 Operator: ss
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m
 Misc Info: wg429989, wg429764, ICAL5265

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	10860130	5430065	21720260	10579683	-2.58

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.86	1.36	2.36	1.86	0.01

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

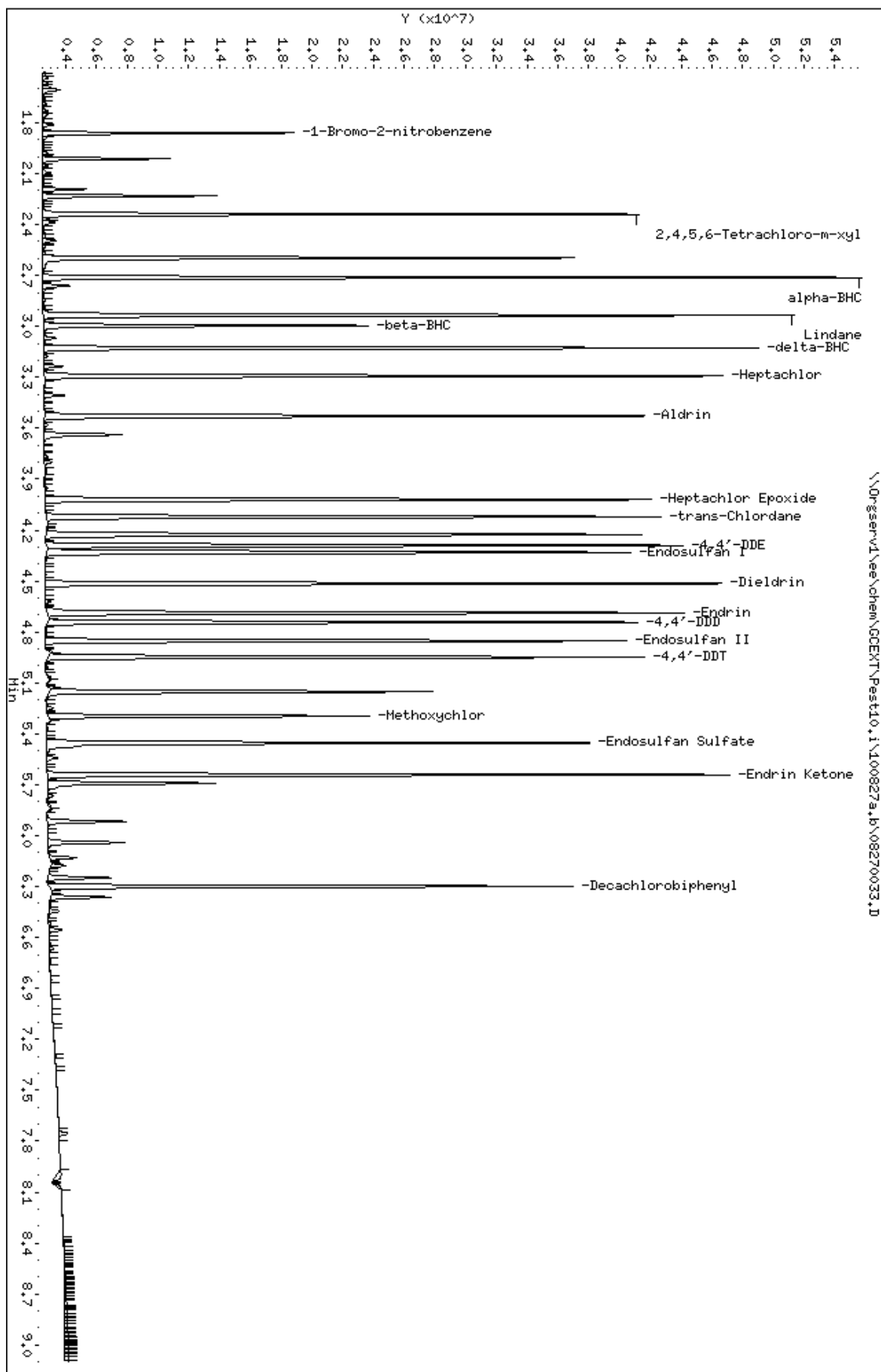
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: 041201a
 Sample Matrix: LIQUID Fraction: OTHER
 Lab Smp Id:
 Level: LOW Operator: ss
 Data Type: GC MULTI COMP SampleType: LCS
 SpikeList File: pestliqNY.spk Quant Type: ISTD
 Sublist File: pestliqNYspk.sub
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827a.b\Pest10a.m
 Misc Info: wg429989, wg429764, ICAL5265

SPIKE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
9 Aldrin	0.0500	0.0603	120.52	30-150
4 Alpha-BHC	0.0500	0.0594	118.75	30-150
6 Beta-BHC	0.0500	0.0582	116.45	30-150
7 Delta-bhc	0.0500	0.0601	120.13	30-150
5 Lindane	0.0500	0.0625	125.00	30-150
12 trans-Chlordane	0.0500	0.0564	112.79	30-150
18 4,4'-DDD	0.0500	0.0652	130.40	30-150
14 4,4'-DDE	0.0500	0.0632	126.41	30-150
20 4,4'-DDT	0.0500	0.0610	122.08	30-150
16 Dieldrin	0.0500	0.0645	128.95	30-150
15 Endosulfan I	0.0500	0.0633	126.57	30-150
19 Endosulfan II	0.0500	0.0632	126.49	30-150
23 Endosulfan sulfate	0.0500	0.0604	120.92	30-150
17 Endrin	0.0500	0.0639	127.81	30-150
8 Heptachlor	0.0500	0.0589	117.84	30-150
11 Heptachlor epoxide	0.0500	0.0603	120.53	30-150
22 Methoxychlor	0.0500	0.0549	109.85	30-150
24 Endrin ketone	0.0500	0.0571	114.15	30-150

SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
\$ 2 2,4,5,6-Tetrachlor	0.0500	0.0437	87.38	30-150
\$ 25 Decachlorobiphenyl	0.0500	0.0456	91.18	30-150



Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\08270033.D

Lab Smp Id:

Inj Date : 28-AUG-2010 00:06

Operator : ss

Inst ID: Pest10.i

Smp Info : wg429764-3,42,

Misc Info : wg429989, wg429764, ICAL5266

Comment : Low Level ICAL - Ultrafast method

Method : \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m

Meth Date : 30-Aug-2010 15:43 ssus

Quant Type: ISTD

Cal Date : 19-AUG-2010 10:43

Cal File: 0819N008.D

Als bottle: 33

QC Sample: LCS

Dil Factor: 1.00000

Integrator: Falcon

Compound Sublist: pestliqNYspk.sub

Target Version: 4.12

Processing Host: EXT-11

Concentration Formula: Amt * DF * CpndVariable
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN	FINAL	
					(ug/mL)	(ng)	
=====	=====	=====	=====	=====	=====	=====	=====
\$ 2 2,4,5,6-Tetrachloro-m-xylene	2.535	2.535	(1.310)	99299251	0.03918	0.0392	
\$ 25 Decachlorobiphenyl	6.825	6.825	(3.526)	88125601	0.05316	0.0532	
* 1 1-Bromo-2-Nitrobenzene	1.935	1.935	(1.000)	36498791	0.02500		
4 Alpha-BHC	2.989	2.989	(1.544)	133083034	0.05568	0.0557	
5 Lindane	3.272	3.272	(1.690)	121979494	0.05576	0.0558	
8 Heptachlor	3.645	3.645	(1.883)	116485958	0.05272	0.0527	
9 Aldrin	3.930	3.929	(2.030)	118490807	0.05544	0.0554	
6 Beta-BHC	3.334	3.334	(1.722)	56474656	0.05389	0.0539	
7 Delta-bhc	3.584	3.584	(1.851)	122311921	0.05547	0.0555	
11 Heptachlor epoxide	4.400	4.399	(2.273)	115028310	0.05620	0.0562	
15 Endosulfan I	4.707	4.707	(2.432)	108571933	0.05967	0.0597	
12 trans-Chlordane	4.549	4.547	(2.350)	122692980	0.05503	0.0550	
14 4,4'-DDE	4.782	4.782	(2.470)	125263434	0.06023	0.0602	
16 Dieldrin	4.912	4.912	(2.538)	122396757	0.05933	0.0593	
17 Endrin	5.135	5.135	(2.653)	107884476	0.06377	0.0638	
18 4,4'-DDD	5.204	5.204	(2.688)	101708479	0.06304	0.0630	
19 Endosulfan II	5.285	5.285	(2.730)	99558029	0.06312	0.0631	
20 4,4'-DDT	5.424	5.424	(2.802)	94337274	0.05941	0.0594	
23 Endosulfan sulfate	5.705	5.705	(2.947)	87712836	0.05767	0.0577	
22 Methoxychlor	5.882	5.882	(3.039)	45557939	0.05398	0.0540	
24 Endrin ketone	6.065	6.064	(3.133)	95947571	0.05655	0.0566	

Alpha Analytical Labs

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: Pest10.i
Lab File ID: 08270033.D
Lab Smp Id:
Analysis Type: OTHER
Quant Type: ISTD
Operator: ss
Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m
Misc Info: wg429989, wg429764, ICAL5266

Calibration Date: 28-AUG-2010
Calibration Time: 00:19
Level: LOW
Sample Type: WATER

COMPOUND =====	STANDARD =====	AREA LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	37166489	18583245	74332978	36498791	-1.80

COMPOUND =====	STANDARD =====	RT LIMIT		SAMPLE =====	%DIFF =====
		LOWER =====	UPPER =====		
1 1-Bromo-2-nitrobe	1.94	1.44	2.44	1.94	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

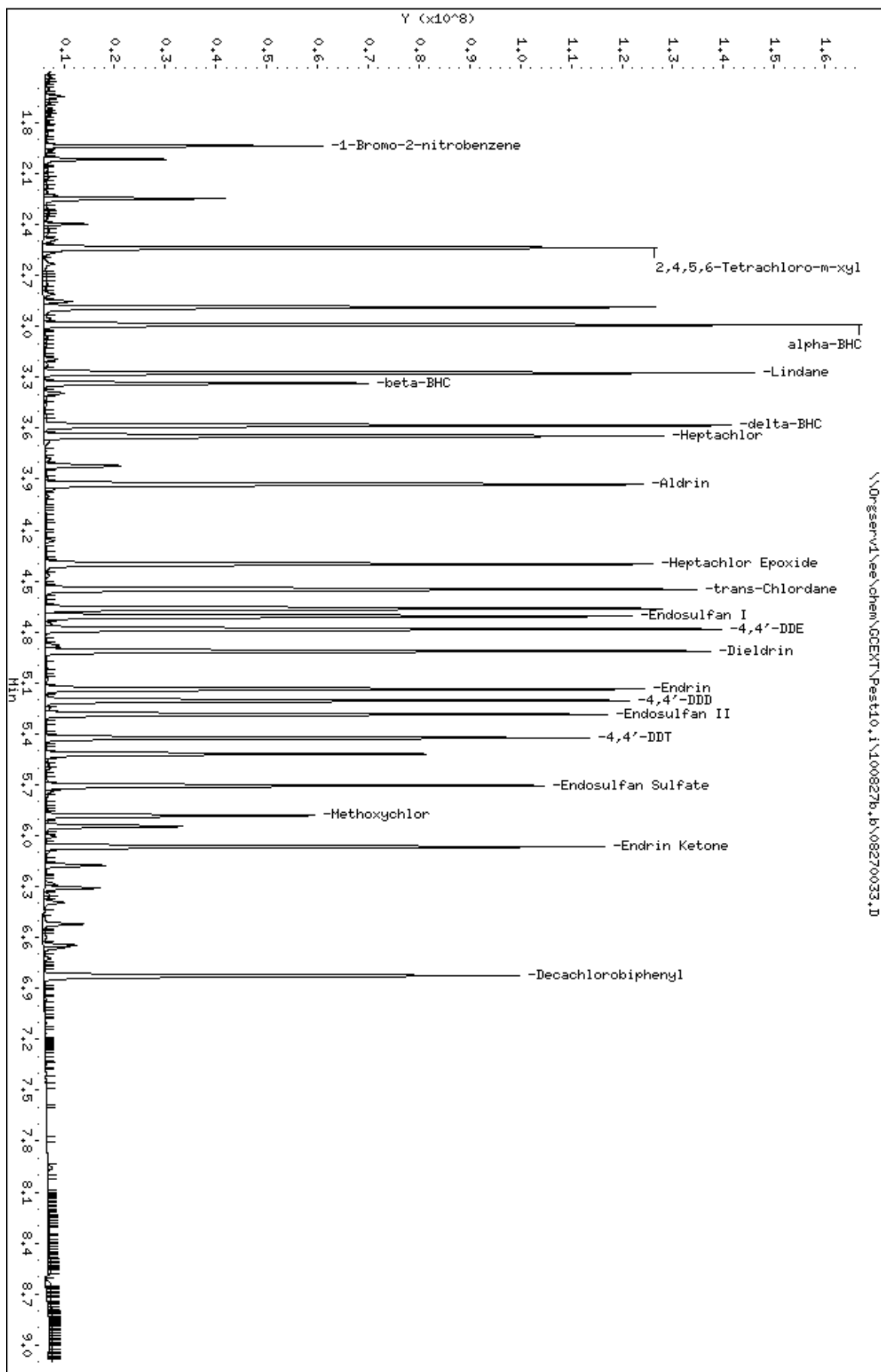
Alpha Analytical Labs

RECOVERY REPORT

Client Name: Client SDG: 041201a
 Sample Matrix: LIQUID Fraction: OTHER
 Lab Smp Id:
 Level: LOW Operator: ss
 Data Type: GC MULTI COMP SampleType: LCS
 SpikeList File: pestliqNY.spk Quant Type: ISTD
 Sublist File: pestliqNYspk.sub
 Method File: \\Orgserv1\ee\chem\GCEXT\Pest10.i\100827b.b\Pest10b.m
 Misc Info: wg429989, wg429764, ICAL5266

SPIKE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
9 Aldrin	0.0500	0.0554	110.89	30-150
4 Alpha-BHC	0.0500	0.0557	111.35	30-150
6 Beta-BHC	0.0500	0.0539	107.78	30-150
7 Delta-bhc	0.0500	0.0555	110.94	30-150
5 Lindane	0.0500	0.0558	111.51	30-150
12 trans-Chlordane	0.0500	0.0550	110.06	30-150
18 4,4'-DDD	0.0500	0.0630	126.08	30-150
14 4,4'-DDE	0.0500	0.0602	120.46	30-150
20 4,4'-DDT	0.0500	0.0594	118.83	30-150
16 Dieldrin	0.0500	0.0593	118.65	30-150
15 Endosulfan I	0.0500	0.0597	119.35	30-150
19 Endosulfan II	0.0500	0.0631	126.24	30-150
23 Endosulfan sulfate	0.0500	0.0577	115.34	30-150
17 Endrin	0.0500	0.0638	127.54	30-150
8 Heptachlor	0.0500	0.0527	105.44	30-150
11 Heptachlor epoxide	0.0500	0.0562	112.39	30-150
22 Methoxychlor	0.0500	0.0540	107.95	30-150
24 Endrin ketone	0.0500	0.0566	113.11	30-150

SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
\$ 2 2,4,5,6-Tetrachlor	0.0500	0.0392	78.37	30-150
\$ 25 Decachlorobiphenyl	0.0500	0.0532	106.33	30-150



Calculation of PCB Aroclors & Pesticides

Aqueous Concentration Formula: $\text{Amt} * \text{DF} * (\text{Vt}/\text{Vp}) * (1000/\text{Vo}) * (\text{Ve}/1000)$

Where:

DF = Dilution Factor

Vt = Extract Final Volume (mL)

Vp = Aliquot Cleaned (mL)

Vo = Volume of Sample (mL)

Ve = Extraction Lab Final Volume (mL)

Soil Concentration Formula: $\text{Amt} * \text{DF} * (\text{Vt}/\text{Vp}) * (1000/\text{Wt}) * (\text{Ve}/1000)$

Where:

DF = Dilution Factor

Vt = Extract Final Volume (mL)

Vp = Aliquot Cleaned (mL)

Wt = Weight of Sample (g)

Ve = Extraction Lab Final Volume (mL)

Sequence Parameters:

Operator: sh

Data File Naming: Prefix/Counter

Signal 1 Prefix: 0819n

Counter: 001

Signal 2 Prefix: SIG2

Counter: 0001

Data Directory: C:\HPCHEM\1\DATA\

Data Subdirectory: 100819N

Part of Methods to run: Acquisition only

Barcode Reader: not used

Shutdown Cmd/Macro: none

Sequence Comment:

pest 10 608

65
1 cal 5285 (SH)
8/23/10
1 cal 5266

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	+deg 608 3063	RESTEK	1	Sample		
2	Vial 2	pest 11 3065	RESTEK	1	Sample		
3	Vial 3	pest 12 3077	RESTEK	1	Sample		
4	Vial 4	pest 13 3067	RESTEK	1	Sample		
5	Vial 5	pest 14 3068	RESTEK	1	Sample		
6	Vial 6	pest 15 3069	RESTEK	1	Sample		
7	Vial 7	pest 16 3070	RESTEK	1	Sample		
8	Vial 8	pest 17 3071	RESTEK	1	Sample		
9	Vial 9	chlor 11 3027	RESTEK	1	Sample		
10	Vial 10	chlor 12 3028	RESTEK	1	Sample		
11	Vial 11	chlor 13 3029	RESTEK	1	Sample		
12	Vial 12	chlor 14 3030	RESTEK	1	Sample		
13	Vial 13	chlor 15 3031	RESTEK	1	Sample		
14	Vial 14	chlor 16 3032	RESTEK	1	Sample		
15	Vial 15	chlor 17 3033	RESTEK	1	Sample		
16	Vial 16	tox 11 3034	RESTEK	1	Sample		
17	Vial 17	tox 12 3035	RESTEK	1	Sample		
18	Vial 18	tox 13 3036	RESTEK	1	Sample		
19	Vial 19	tox 14 3037	RESTEK	1	Sample		
20	Vial 20	tox 15 3038	RESTEK	1	Sample		
21	Vial 21	tox 16 3039	RESTEK	1	Sample		
22	Vial 22	tox 17 3040	RESTEK	1	Sample		
23	Vial 23	pest ICV 3044	RESTEK	1	Sample		
24	Vial 24	chlor ICV 3055	RESTEK	1	Sample		
25	Vial 25	tox ICV 3056	RESTEK	1	Sample		

Sequence Table (Back Injector):

No entries - empty table!

Sequence Parameters:

Operator: sh

Data File Naming: Prefix/Counter

Signal 1 Prefix: 0827

Counter: 0001

Signal 2 Prefix: SIG2

Counter: 0001

Data Directory: C:\HPCHEM\1\DATA\

Data Subdirectory: 100827

Part of Methods to run: Acquisition only

Barcode Reader: not used

Shutdown Cmd/Macro: none

Sequence Comment:

pest 10

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
----	-----	-----	-----	---	-----	-----	-----
1	Vial 1	deg 3078	RESTEK	1	Sample		
2	Vial 2	pest 3076	RESTEK	1	Sample		
3	Vial 3	chlor 3055	RESTEK	1	Sample		
4	Vial 4	tox 3056	RESTEK	1	Sample		
5	Vial 5	11013099-01d x5	RESTEK	1	Sample		
6	Vial 6	11013099-10d x5	RESTEK	1	Sample		
7	Vial 7	11013100-02d x5	RESTEK	1	Sample		
8	Vial 8	11013100-17d x5	RESTEK	1	Sample		
9	Vial 9	11013100-03d x5	RESTEK	1	Sample		
10	Vial 10	11013099-12d x10	RESTEK	1	Sample		
11	Vial 11	11013100-08d x10	RESTEK	1	Sample		
12	Vial 12	11013100-10d x10	RESTEK	1	Sample		
13	Vial 13	11013100-01d x20	RESTEK	1	Sample		
14	Vial 14	11013100-15d x20	RESTEK	1	Sample		
15	Vial 15	11013100-03	RESTEK	1	Sample		
16	Vial 16	11013099-14d x25	RESTEK	1	Sample		
17	Vial 17	11013099-15d x25	RESTEK	1	Sample		
18	Vial 18	11013099-17d x50	RESTEK	1	Sample		
19	Vial 19	11013099-18d x50	RESTEK	1	Sample		
20	Vial 20	11013099-20d x50	RESTEK	1	Sample		
21	Vial 21	11013100-16d x50	RESTEK	1	Sample		
22	Vial 22	+deg std pp3078	RESTEK	1	Sample		
23	Vial 23	+pest cc pp3076	RESTEK	1	Sample		
24	Vial 24	+chlor cc pp3055	RESTEK	1	Sample		
25	Vial 25	+tox cc pp3090	RESTEK	1	Sample		
26	Vial 26	wg429789-1	RESTEK	1	Sample		
27	Vial 27	wg429789-2	RESTEK	1	Sample		
28	Vial 28	wg429789-3	RESTEK	1	Sample		
29	Vial 29	11011921-08	RESTEK	1	Sample		
30	Vial 30	11013017-01	RESTEK	1	Sample		
31	Vial 31	wg429764-1	RESTEK	1	Sample		
32	Vial 32	wg429764-2	RESTEK	1	Sample		
33	Vial 33	wg429764-3	RESTEK	1	Sample		

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile

34	Vial 34	+pest cc pp3076	RESTEK	1	Sample		

Sequence Table (Back Injector):

No entries - empty table!

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Sep 04 2010, 06:54 am

Work Group: WG429989 for Department: 42 GC - Semivolatiles

Created: 30-AUG-10 Due: Operator:

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L1013017-01	WC-001 PZ-B	S NYTCL-8081	WATER	DONE	U	0830	0830	S0	Amber-A1
WG429764-1	Laboratory Method Bl	S NYTCL-8081	WATER	DONE	U				
WG429764-2	Laboratory Control S	S NYTCL-8081	WATER	DONE	U				
WG429764-3	LCS Duplicate	S NYTCL-8081	WATER	DONE	U				
Comments:									
WG429764-3	WG429764-2								



ORGANIC ELN REPORT

Workgroup: WG429764

Prep Method: EPA 3510C Solvent Type: DCM Surrogate Type: Pesticide/PCB Spike Type: Pesticide Spike Verify by: PM Lims Spikelot: PEST_1107 Additional Reagents/Std	Conc.Method: KD Solvent Type: 9:1 Hexane/Acetone Lot #: DC040 Additional Reagents/Std	Cleanup 1 Cleanup Method 1: EPA 3620B Cleanup Method 2: Solvent Type: 9:1 Hexane/Acetone Lot #: 9ha082610 Additional Reagents/Std Florasil906011-bs-01

Sample/ Type	Extraction						Concentration		
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml
WG429764-1 BLANK	08/27/10 09:44	Jerry Bonney	1000	N	.25		08/27/10 13:17	Paul Adongo	10
WG429764-2 LCS	08/27/10 09:44	Jerry Bonney	1000	N	.25	.25	08/27/10 13:17	Paul Adongo	10
WG429764-3 LCSD	08/27/10 09:44	Jerry Bonney	1000	N	.25	.25	08/27/10 13:17	Paul Adongo	10
L1013017-01 WATER	08/27/10 09:44	Jerry Bonney	1000	N	.25		08/27/10 13:17	Paul Adongo	10

Workgroup: WG429764

Sample/ Type	Cleanup 1				Cleanup 2
	Cleanup Date	Analyst	Pest Aliquot ml	Pest Final ml	
WG429764-1 BLANK	08/27/10 14:47	Eric Hunt	1	1	
WG429764-2 LCS	08/27/10 14:47	Eric Hunt	1	1	
WG429764-3 LCSD	08/27/10 14:47	Eric Hunt	1	1	
L1013017-01 WATER	08/27/10 14:47	Eric Hunt	1	1	

Metals

Inorganic Data (ICP Analysis)

U.S. EPA - CLP
1-IN
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Matrix (soil/water): WATER

Lab Sample ID: L1013017-01

Date Received: 08/23/10

% Solids: N/A

Date Analyzed: 8/30/10 9:16

Concentration Units: mg/l

CAS No.	Analyte	Concentration	C		
7429-90-5	Aluminum	10			
7440-36-0	Antimony				
7440-38-2	Arsenic	0.012			
7440-39-3	Barium	0.335			
7440-41-7	Beryllium				
7440-43-9	Cadmium	0.005	U		
7440-70-2	Calcium	61			
7440-47-3	Chromium	0.06			
7440-48-4	Cobalt	0.020	U		
7440-50-8	Copper	0.051			
7439-89-6	Iron	27			
7439-92-1	Lead	0.051			
7439-95-4	Magnesium	40			
7439-96-5	Manganese	0.253			
7439-97-6	Mercury				
7439-98-7	Molybdenum				
7440-02-0	Nickel	0.085			
7440-09-7	Potassium	7.9			
7782-49-2	Selenium	0.010	U		
7440-22-4	Silver	0.007	U		
7440-23-5	Sodium	130			
7440-24-6	Strontium				
7440-28-0	Thallium				
7440-62-2	Vanadium	0.041			
7440-66-6	Zinc	0.201			
7440-31-5	Tin				
7440-42-8	Boron				
57-12-5	Cyanide				
END					

Comments:

U.S. EPA - CLP
2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Concentration Units: mg/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	0.5	0.521	104	0.5	0.524	105	0.525	105	
Antimony									
Arsenic	0.5	0.4971	99	0.5	0.5004	100	0.502	100	
Barium	0.5	0.5025	101	0.5	0.5046	101	0.5041	101	
Beryllium									
Cadmium	0.5	0.50200	100	0.5	0.50240	100	0.501	100	
Calcium	0.5	0.51	102	0.5	0.51	101	0.524	105	
Chromium	0.5	0.4919	98	0.5	0.4849	97	0.483	97	
Cobalt	0.5	0.5047	101	0.5	0.5093	102	0.510	102	
Copper	0.5	0.4809	96	0.5	0.4830	97	0.482	96	
Iron	0.5	0.521	104	0.5	0.528	106	0.539	108	
Lead	0.5	0.4931	99	0.5	0.4973	99	0.501	100	
Magnesium	0.5	0.52	104	0.5	0.52	103	0.524	105	
Manganese	0.5	0.4925	99	0.5	0.4968	99	0.4992	100	
Mercury									
Molybdenum									
Nickel	0.5	0.4973	99	0.5	0.4965	99	0.493	99	
Potassium	5	5.18	104	5	5.24	105	5.143	103	
Selenium	0.5	0.4910	98	0.5	0.4942	99	0.495	99	
Silver	0.5	0.5060	101	0.5	0.5049	101	0.506	101	
Sodium	10	10.19	102	10	10.39	104	10.450	105	
Strontium									
Thallium									
Vanadium	0.5	0.5027	101	0.5	0.4967	99	0.495	99	
Zinc	0.5	0.4961	99	0.5	0.4979	100	0.4991	100	
Tin									
Boron									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 80-120; Cyanide 85-115

U.S. EPA - CLP
2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Concentration Units: mg/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				0.5	0.526	105			
Antimony									
Arsenic				0.5	0.4995	100			
Barium				0.5	0.5006	100			
Beryllium									
Cadmium				0.5	0.49820	100			
Calcium				0.5	0.53	105			
Chromium				0.5	0.4897	98			
Cobalt				0.5	0.5070	101			
Copper				0.5	0.4783	96			
Iron				0.5	0.543	109			
Lead				0.5	0.4991	100			
Magnesium				0.5	0.54	107			
Manganese				0.5	0.4947	99			
Mercury									
Molybdenum									
Nickel				0.5	0.4880	98			
Potassium				5	5.09	102			
Selenium				0.5	0.4904	98			
Silver				0.5	0.5089	102			
Sodium				10	10.25	103			
Strontium									
Thallium									
Vanadium				0.5	0.5004	100			
Zinc				0.5	0.4969	99			
Tin									
Boron									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 80-120; Cyanide 85-115

U.S. EPA - CLP
2B-IN
CRQL CHECK STANDARD

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Concentration Units: mg/l

Analyte	CRQL Check Standard				
	Initial		Final		
	True	Found*	%R (1)	Found*	%R (1)
Aluminum	0.4	0.390	97	0.410	103
Antimony					
Arsenic	0.02	0.0186	93	0.0174	87
Barium	0.05	0.0390	78	0.038	76
Beryllium					
Cadmium	0.01	0.00960	96	0.00970	97
Calcium	0.4	0.34	85	0.37	92
Chromium	0.02	0.0185	93	0.0183	92
Cobalt	0.1	0.0954	95	0.0957	96
Copper	0.05	0.0467	93	0.0462	92
Iron	0.2	0.210	105	0.223	112
Lead	0.05	0.0402	80	0.0409	82
Magnesium	0.5	0.39	77	0.41	83
Manganese	0.03	0.0280	93	0.028	95
Mercury					
Molybdenum					
Nickel	0.08	0.0752	94	0.0744	93
Potassium	5	4.69	94	4.64	93
Selenium	0.02	0.0193	97	0.0197	99
Silver	0.02	0.0195	98	0.0195	98
Sodium	5	4.71	94	4.75	95
Strontium					
Thallium					
Vanadium	0.1	0.0945	95	0.09	94
Zinc	0.04	0.0399	100	0.040	99
Tin					
Boron					
Cyanide					

(1) Control Limits: 70-130

*If applicable, enter the concentration qualifier "B" or "U" after the concentration in these columns (e.g., 0.20U for Mercury).

U.S. EPA - CLP
3-IN
BLANKS

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units: mg/l

Analyte	Initial Calibration Blank(mg/L)		Continuing Calibration Blank (mg/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum	0.02228	U	0.02228	U	0.02228	U	0.02228	U	0.10	U	
Antimony											
Arsenic	0.00342	U	0.00342	U	0.00342	U	0.00342	U	0.005	U	
Barium	0.00084	U	0.00084	U	0.00084	U	0.00084	U	0.010	U	
Beryllium											
Cadmium	0.00063	U	0.00063	U	0.00063	U	0.00063	U	0.005	U	
Calcium	0.17352	U	0.17352	U	0.17352	U	0.17352	U	0.10	U	
Chromium	0.00203	U	0.00203	U	0.00203	U	0.00203	U	0.01	U	
Cobalt	0.00215	U	0.00215	U	0.00215	U	0.00215	U	0.020	U	
Copper	0.00464	U	0.00464	U	0.00464	U	0.00464	U	0.010	U	
Iron	0.0173	U	0.0173	U	0.0173	U	0.0173	U	0.05	U	
Lead	0.0028	U	0.0028	U	0.0028	U	0.0028	U	0.010	U	
Magnesium	0.04494	U	0.04494	U	0.04494	U	0.04494	U	0.10	U	
Manganese	0.00101	U	0.00101	U	0.00101	U	0.00101	U	0.010	U	
Mercury											
Molybdenum											
Nickel	0.00279	U	0.00279	U	0.00279	U	0.00279	U	0.025	U	
Potassium	0.79858	U	0.79858	U	0.79858	U	0.79858	U	2.5	U	
Selenium	0.00328	U	0.00328	U	0.00328	U	0.00328	U	0.010	U	
Silver	0.00164	U	0.00164	U	0.00164	U	0.00164	U	0.007	U	
Sodium	0.7952	U	0.7952	U	0.7952	U	0.7952	U	2.0	U	
Strontium											
Thallium											
Vanadium	0.00223	U	0.00223	U	0.00223	U	0.00223	U	0.010	U	
Zinc	0.00541	U	0.00541	U	0.00541	U	0.00541	U	0.050	U	
Tin											
Boron											
Cyanide											

U.S. EPA - CLP
4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

ICP-AES Instrument ID: TRACE4

Concentration Units: mg/l

Analyte	True		Initial Found				Final Found			
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	250.0	10.0	250.7	100	9.468	95	247.6	99	9.373	94
Antimony										
Arsenic		1.0	0.0009		1.03	103	-0.0008		1.033	103
Barium		0.3	0.003		0.3033	101	0.0033		0.3019	101
Beryllium										
Cadmium		0.3	0.0014		0.2974	99	0.0014		0.2961	99
Calcium	250.0	50.0	235.3	94	44.91	90	238.5	95	45.36	91
Chromium		0.3	0.0008		0.2924	97	0.0008		0.2957	99
Cobalt		0.3	0.0067		0.2932	98	0.007		0.2963	99
Copper		0.3	0.0009		0.3007	100	0.0001		0.2994	100
Iron	100.0	37.5	90.92	91	37.97	101	93.33	93	38.96	104
Lead		1.0	0.0047		0.9698	97	0.0047		0.9797	98
Magnesium	250.0	25.0	224.2	90	22.15	89	228.3	91	22.28	89
Manganese		0.2	0.0023		0.2015	101	0.0024		0.2003	100
Mercury										
Molybdenum										
Nickel		0.3	0.0092		0.2914	97	0.0094		0.287	96
Potassium		20.0	0.7177		20.86	104	0.7411		20.26	101
Selenium		0.5	-0.0002		0.5095	102	0.0004		0.5144	103
Silver		0.3	0.0022		0.3024	101	0.0022		0.3069	102
Sodium		7.5	0.5068		7.922	106	0.5256		7.873	105
Strontium										
Thallium										
Vanadium		0.3	0.0034		0.3017	101	0.0038		0.3052	102
Zinc		0.3	0.0039		0.3264	109	0.0067		0.3272	109
Tin										
Boron										

U.S. EPA - CLP
5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

WC-001 PZ-BS

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Matrix (soil/water): WATER

% Solids for Sample: N/A

Concentration Units: mg/l

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R		
Aluminum	80-120	12.	10	2	100		
Antimony							
Arsenic	80-120	0.134	0.012	0.12	102		
Barium	80-120	2.28	0.335	2	97		
Beryllium							
Cadmium	80-120	0.054	0.005 U	0.051	106		
Calcium	80-120	70.	61	10	90		
Chromium	80-120	0.25	0.06	0.2	95		
Cobalt	80-120	0.488	0.020 U	0.5	98		
Copper	80-120	0.296	0.051	0.25	98		
Iron	80-120	25.	27	1	0		
Lead	80-120	0.537	0.051	0.51	95		
Magnesium	80-120	49.	40	10	90		
Manganese	80-120	0.711	0.253	0.5	92		
Mercury							
Molybdenum							
Nickel	80-120	0.533	0.085	0.5	90		
Potassium	80-120	17.	7.9	10	91		
Selenium	80-120	0.123	0.010 U	0.12	102		
Silver	80-120	0.050	0.007 U	0.05	99		
Sodium	80-120	140	130	10	100		
Strontium							
Thallium							
Vanadium	80-120	0.540	0.041	0.5	100		
Zinc	80-120	0.658	0.201	0.5	91		
Tin							
Boron							
Cyanide							

Comments:

U.S. EPA - CLP
5B-IN
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

WC-001 PZ-BPS

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Matrix (soil/water): WATER

% Solids for Sample: N/A

Concentration Units: mg/l

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R		
Aluminum							
Antimony							
Arsenic	75-125	0.140	0.012	0.120	107		
Barium	75-125	2.36	0.335	2.000	101		
Beryllium							
Cadmium	75-125	0.057	0.005 U	0.051	112		
Calcium							
Chromium	75-125	0.26	0.06	0.200	100		
Cobalt	75-125	0.514	0.020 U	0.500	103		
Copper	75-125	0.311	0.051	0.250	104		
Iron							
Lead	75-125	0.540	0.051	0.510	96		
Magnesium							
Manganese							
Mercury							
Molybdenum							
Nickel	75-125	0.558	0.085	0.500	95		
Potassium	75-125	18.	7.9	10.000	101		
Selenium	75-125	0.132	0.010 U	0.120	110		
Silver	75-125	0.048	0.007 U	0.050	96		
Sodium	75-125	140	130	10.000	100		
Strontium							
Thallium							
Vanadium	75-125	0.562	0.041	0.500	104		
Zinc	75-125	0.695	0.201	0.500	99		
Tin							
Boron							
Cyanide							

Comments:

U.S. EPA - CLP
6-IN
DUPLICATES

EPA SAMPLE NO.

WC-001 PZ-BD

Lab Name: Alpha Analytical

Lab Code: AAL Case No.:

Matrix (soil/water): WATER

% Solids for Sample: N/A

% Solids for Duplicate: N/A

Concentration Units: mg/l

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD		
Aluminum	20	10	9.2	8		
Antimony						
Arsenic	20	0.012	0.008	31		
Barium	20	0.335	0.327	2		
Beryllium						
Cadmium	20	0.005	0.005	NC		
Calcium	20	61	61.	0		
Chromium	20	0.06	0.05	11		
Cobalt	20	0.020	0.020	NC		
Copper	20	0.051	0.047	8		
Iron	20	27	25.	8		
Lead	20	0.051	0.051	1		
Magnesium	20	40	40.	0		
Manganese	20	0.253	0.237	7		
Mercury						
Molybdenum						
Nickel	20	0.085	0.079	7		
Potassium	20	7.9	7.6	4		
Selenium	20	0.010	0.010	NC		
Silver	20	0.007	0.007	NC		
Sodium	20	130	130	0		
Strontium						
Thallium						
Vanadium	20	0.041	0.038	6		
Zinc	20	0.201	0.184	9		
Tin						
Boron						
Cyanide						

U.S. EPA - CLP
7-IN
LABORATORY CONTROL SAMPLE

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017
WATER

Analyte	Aqueous (mg/L)				Solid (mg/kg)				
	True	Found	%R	Limits	True	Found	C	Limits	%R
Aluminum	2.0	2.000	100	80-120					
Antimony									
Arsenic	0.12	0.1290	108	80-120					
Barium	2.0	2.000	100	80-120					
Beryllium									
Cadmium	0.051	0.05500	107	80-120					
Calcium	10.0	9.80	98	80-120					
Chromium	0.2	0.2000	100	80-120					
Cobalt	0.5	0.4940	99	80-120					
Copper	0.25	0.2490	100	80-120					
Iron	1.0	1.000	100	80-120					
Lead	0.51	0.5200	102	80-120					
Magnesium	10.0	9.80	98	80-120					
Manganese	0.5	0.492	98	80-120					
Mercury									
Molybdenum									
Nickel	0.5	0.4830	97	80-120					
Potassium	10.0	9.90	99	80-120					
Selenium	0.12	0.1260	105	80-120					
Silver	0.05	0.0490	98	80-120					
Sodium	10.0	10.00	100	80-120					
Strontium									
Thallium									
Vanadium	0.5	0.5020	100	80-120					
Zinc	0.5	0.492	98	80-120					
Tin									
Boron									
Cyanide									

U.S. EPA - CLP
8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

WC-001 PZ-BSE

Lab Name: Alpha Analytical

SDG No.: L1013017

Lab Code: AAL

Matrix (soil/water): WATER

Concentration Units: mg/l

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	10.		10.		0		
Antimony							
Arsenic							
Barium	0.335		0.353		5		
Beryllium							
Cadmium							
Calcium	61.		66.		8		
Chromium							
Cobalt							
Copper							
Iron	27.		29.		7		
Lead	0.051		0.060		17		
Magnesium	40.		44.		10		
Manganese	0.253		0.268		6		
Mercury							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Vanadium							
Zinc							
Tin							
Boron							
Cyanide							

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument: TRACE4 Date: _____

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	—
Aluminum	396.15	0.0000000	0.0000020	-0.0000310	-0.0000090	
Antimony	206.83	-0.0000020	0.0000040	-0.0000110	-0.0000050	
Arsenic	189.04	0.0000090	-0.0000010	-0.0000700	0.0000000	
Barium	455.40	-0.0000040	-0.0000020	-0.0000110	-0.0000010	
Beryllium	313.40	-0.0000020	-0.0000020	-0.0000050	0.0000000	
Cadmium	214.44	0.0000000	-0.0000030	0.0000000	-0.0000010	
Calcium	315.89	0.0000780	0.0000000	-0.0000170	0.0000710	
Chromium	267.72	0.0000050	-0.0000020	0.0000120	0.0000000	
Cobalt	228.62	-0.0000120	-0.0000060	-0.0000250	-0.0000020	
Copper	324.75	-0.0000030	-0.0000020	-0.0000040	0.0000110	
Iron	259.94	0.0000180	-0.0000120	0.0000000	-0.0000030	
Lead	220.35	0.0001100	-0.0000010	0.0000180	-0.0000010	
Magnesium	279.08	-0.0000540	-0.0000280	0.0000190	0.0000000	
Manganese	257.61	-0.0000030	-0.0000020	-0.0000080	0.0000020	
Mercury						
Nickel	231.60	-0.0000130	-0.0000050	-0.0000240	-0.0000020	
Potassium	766.49	-0.0012590	-0.0007040	-0.0028490	-0.0002350	
Selenium	196.09	-0.0000200	0.0000000	-0.0000290	-0.0000010	
Silver	328.07	-0.0000040	-0.0000020	-0.0000090	-0.0000010	
Sodium	589.59	-0.0006160	-0.0005220	-0.0020960	-0.0001600	
Thallium	190.86	-0.0000060	-0.0000040	-0.0000050	-0.0000010	
Vanadium	292.40	-0.0000050	-0.0000030	0.0000100	-0.0000020	
Zinc	206.20	0.0002750	0.0000030	-0.0007990	-0.0000040	

Comments:

ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____ICP-AES Instrument ID: TRACE4 Date: _____

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	-0.0022950	-0.0018570
Antimony	206.83	0.0000000	0.0000000	0.0000000	-0.0003900	-0.0000120
Arsenic	189.04	0.0000000	0.0000000	0.0000210	-0.0001780	-0.0001730
Barium	455.40	0.0000000	0.0000000	0.0000000	-0.0002050	-0.0002030
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000860
Cadmium	214.44	0.0000000	0.0000000	0.0000000	-0.0002090	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	-0.0020880	-0.0018790
Chromium	267.72	0.0000000	0.0000000	0.0000000	-0.0002010	-0.0003100
Cobalt	228.62	0.0000000	0.0000000	0.0000000	-0.0004810	-0.0004970
Copper	324.75	0.0000000	0.0000000	0.0000000	-0.0002330	-0.0002260
Iron	259.94	0.0000000	0.0000000	0.0000000	-0.0012310	-0.0009570
Lead	220.35	0.0000000	0.0000000	0.0000000	-0.0001700	-0.0001850
Magnesium	279.08	0.0000000	0.0000000	0.0000000	-0.0022440	-0.0017830
Manganese	257.61	0.0000000	0.0000000	0.0000000	-0.0001950	-0.0002020
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	-0.0005490	-0.0005200
Potassium	766.49	0.0000000	0.0000000	0.0000000	-0.0522980	-0.0517110
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000060	0.0000030
Silver	328.07	0.0000000	0.0000000	0.0000000	-0.0001740	-0.0001560
Sodium	589.59	0.0000000	0.0000000	0.0000000	-0.0417330	-0.0407400
Thallium	190.86	0.0000000	0.0000000	0.0000000	-0.0002650	-0.0002240
Vanadium	292.40	0.0000000	0.0000000	0.0000000	-0.0002090	-0.0002040
Zinc	206.20	0.0000000	0.0000000	0.0000000	-0.0000320	-0.0009250

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument ID: TRACE4 Date: _____

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	-0.0020320	-0.0005350	-0.0005960	0.0000000	-0.0003930
Antimony	206.83	0.0049920	-0.0001600	-0.0001410	0.0000000	-0.0001780
Arsenic	189.04	0.0002670	-0.0001290	-0.0000570	0.0000000	-0.0000030
Barium	455.40	-0.0002000	-0.0000500	-0.0000660	0.0000000	-0.0000350
Beryllium	313.40	-0.0000900	-0.0000220	-0.0000300	0.0000000	-0.0000110
Cadmium	214.44	-0.0000290	-0.0000520	-0.0000680	0.0000000	-0.0000270
Calcium	315.89	-0.0020720	0.0009940	-0.0005720	0.0000000	-0.0000920
Chromium	267.72	0.0000000	-0.0000480	-0.0000690	0.0000000	0.0001140
Cobalt	228.62	-0.0005870	0.0000000	-0.0001660	0.0000000	-0.0000740
Copper	324.75	-0.0002130	-0.0000490	0.0000000	0.0000000	0.0000300
Iron	259.94	-0.0010370	-0.0002940	-0.0003760	0.0000000	-0.0001890
Lead	220.35	-0.0001960	-0.0003260	0.0002710	0.0000000	0.0000640
Magnesium	279.08	-0.0024620	-0.0005640	-0.0008730	0.0000000	-0.0069760
Manganese	257.61	-0.0002060	-0.0000480	-0.0000750	0.0000000	0.0000000
Mercury						
Nickel	231.60	-0.0005230	-0.0002210	-0.0001810	0.0000000	-0.0000730
Potassium	766.49	-0.0512430	-0.0126240	-0.0178480	0.0000000	-0.0089880
Selenium	196.09	-0.0000520	0.0000530	-0.0000240	0.0000000	0.0003780
Silver	328.07	-0.0001430	-0.0000370	-0.0000450	0.0000000	0.0001940
Sodium	589.59	-0.0407180	-0.0097580	-0.0137660	0.0000000	-0.0070470
Thallium	190.86	-0.0000390	0.0020440	-0.0000840	-0.0000200	0.0003990
Vanadium	292.40	-0.0002210	-0.0000500	-0.0000650	0.0000000	0.0001060
Zinc	206.20	-0.0012900	0.0000070	0.0003430	0.0001200	-0.0001520

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument ID: TRACE4 Date: _____

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____ICP-AES Instrument ID: TRACE4 Date: _____

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000900	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0000000	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0000000	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	0.0000000	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0001650	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	-0.0000010	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
11-IN
ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Alpha Analytical

Contract: _____

Lab Code: AAL Case No.: _____

NRAS No.: _____ SDG No.: _____

ICP Instrument ID: TRACE4

Date: _____

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	M
Aluminum		1000.0	
Antimony		150.0	
Arsenic		100.0	
Barium		100.0	
Beryllium		25.0	
Cadmium		25.0	
Calcium		2000.0	
Chromium		25.0	
Cobalt		100.0	
Copper		75.0	
Iron		250.0	
Lead		500.0	
Magnesium		800.0	
Manganese		150.0	
Mercury			
Nickel		100.0	
Potassium		1200.0	
Selenium		100.0	
Silver		75.0	
Sodium		250.0	
Thallium		150.0	
Vanadium		200.0	
Zinc		50.0	

Comments:

U.S. EPA - CLP
12-IN
PREPARATION LOG

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Preparation Method: EPA 3005A

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
L1013017-01	08/25/10		50
WG429467-1	08/25/10		50
WG429467-2	08/25/10		50
WG429467-3	08/25/10		50
WG429467-4	08/25/10		50
WG429467-5	08/25/10		50
WG429467-6	08/25/10		50

FORM XII-IN

ILM05.0

U.S. EPA - CLP
13-IN
Analysis Run Log

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Instrument ID: TRACE4 Analysis Method: 6010B

Start Date: 08/30/10 End Date: 08/30/10

Lab Sample ID	D/F	Time	Analytes																											
			A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	M O	N I	K	S E	A G	N A	S R	T L	V	Z N	S N		
ICV	1	7:49	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
ICB	1	7:57	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
ICSA	1	8:00	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
ICSAB	1	8:03	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
CRI	1	8:06	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
CCV	1	8:21	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
CCB	1	8:24	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
WG429467-1	1	9:10	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
WG429467-2	1	9:13	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
L1013017-01	1	9:16	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
WG429467-3	1	9:20	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
WG429467-4	1	9:23	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
WG429467-6	1	9:26			X	X		X		X	X	X		X				X	X	X	X	X			X	X				
WG429467-5	5	9:29	X			X			X				X	X	X	X														
CCV	1	9:33	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
CCB	1	9:36	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
ICSA	1	9:40	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
ICSAB	1	9:43	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
CRI	1	9:52	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
CCV	1	9:56	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				
CCB	1	9:59	X		X	X		X	X	X	X	X	X	X	X			X	X	X	X	X			X	X				

Determination of Method Detection Limits

Alpha Analytical, Inc

Westborough, MA

Method: EPA 6010B & EPA 200.7 Partial 2008

ICP Trace Metals - No Silica Hot Block

Approved

Page 1 of 1

Tech: AI

Date: 7/12, 7/16, 7/18, 7/25, 7/28, 7/29, 8/1, 8/2, 8/4, 8/14, 8/19, 8/21/08

Instrument ID: Trace 4

Prep Method: EPA 3005A

Prep Chemist: EC

Table (MDL)		Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	mdl08	mdl09	mdl10	T value used for calculating MDL: 2.821					
		Date Analy.	7/12/2008	7/12/2008	7/12/2008	7/16/2008	7/16/2008	7/16/2008	7/16/2008	7/18/2008	7/18/2008	7/18/2008	Mean (mg/L)	Mean Accuracy	Standard Deviation	Calc.MDL (mg/L)	Current RL (mg/L)	Comment
No.	Analytes	Target Conc. (mg/L)	Rep-1 (mg/L)	Rep-2 (mg/L)	Rep-3 (mg/L)	Rep-4 (mg/L)	Rep-5 (mg/L)	Rep-6 (mg/L)	Rep-7 (mg/L)	Rep-8 (mg/L)	Rep-9 (mg/L)	Rep-10 (mg/L)	Mean (mg/L)	Mean Accuracy	Standard Deviation	Calc.MDL (mg/L)	Current RL (mg/L)	Comment
1	Silver	0.0100	0.0086	0.0085	0.0086	0.0099	0.0101	0.0099	0.0100	0.0094	0.0093	0.0097	0.00940	94%	0.0006	0.00177	0.007	
2	Aluminum	0.1000	0.1067	0.1041	0.1050	0.1075	0.0955	0.1155	0.1063	0.0996	0.1004	0.1066	0.10472	105%	0.0054	0.01529	0.100	
3	Barium	0.0100	0.0094	0.0096	0.0093	0.0103	0.0096	0.0097	0.0104	0.0105	0.0093	0.0101	0.00982	98%	0.00046	0.00131	0.010	
4	Beryllium	0.0050	0.0043	0.0045	0.0045	0.0049	0.0048	0.0048	0.0050	0.0047	0.0045	0.0048	0.00468	94%	0.0002	0.00062	0.005	
5	Bismuth	0.0500	0.0448	0.0456	0.0487	0.0532	0.0526	0.0530	0.0518	0.0495	0.0478	0.0494	0.04964	99%	0.0030	0.00849	0.050	
6	Cobalt	0.0200	0.0197	0.0196	0.0197	0.0209	0.0206	0.0211	0.0203	0.0196	0.0190	0.0196	0.02001	100%	0.0007	0.00191	0.020	
7	Chromium	0.0100	0.0094	0.0094	0.0085	0.0092	0.0096	0.0095	0.0097	0.0092	0.0086	0.0095	0.00926	93%	0.0004	0.00115	0.010	
8	Potassium	2.5000	2.3200	2.3370	2.3470	2.5260	2.4530	2.5140	2.5850	2.3910	2.3370	2.4930	2.43030	97%	0.0958	0.27026	2.500	
9	Magnesium	0.1000	0.1031	0.1129	0.0980	0.1124	0.1037	0.0924	0.1073	0.0905	0.0833	0.0802	0.09838	98%	0.0115	0.03249	0.100	
10	Manganese	0.0100	0.0092	0.0085	0.0089	0.0103	0.0109	0.0104	0.0108	0.0102	0.0095	0.0103	0.00990	99%	0.00082	0.00232	0.010	
11	Sodium	2.0000	1.8850	1.9260	1.9360	2.0700	2.0140	2.0460	2.1250	1.9900	1.9250	2.0610	1.99780	100%	0.0782	0.22059	2.000	
12	Lead	0.0100	0.0084	0.0087	0.0097	0.0116	0.0118	0.0120	0.0110	0.0111	0.0101	0.0105	0.01049	105%	0.0013	0.00354	0.010	
13	Antimony	0.0500	0.0483	0.0469	0.0488	0.0520	0.0510	0.0516	0.0495	0.0470	0.0466	0.0477	0.04894	98%	0.0020	0.00567	0.050	
14	Strontium	0.0100	0.0097	0.0097	0.0097	0.0107	0.0103	0.0103	0.0110	0.0107	0.0099	0.0107	0.01027	103%	0.00049	0.00140	0.010	
15	Titanium	0.0100	0.0091	0.0088	0.0088	0.0098	0.0098	0.0096	0.0100	0.0097	0.0089	0.0096	0.00941	94%	0.0005	0.00130	0.010	
16	Thallium	0.0200	0.0168	0.0159	0.0170	0.0191	0.0182	0.0184	0.0184	0.0171	0.0166	0.0171	0.01746	87%	0.0010	0.00283	0.020	
17	Vanadium	0.0100	0.0092	0.0092	0.0087	0.0095	0.0096	0.0093	0.0098	0.0094	0.0088	0.0096	0.00931	93%	0.0004	0.00099	0.010	

Table (MDL)		Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	mdl08	mdl09	T value used for calculating MDL: 2.896					
		Date Analy.	see comments	see comments	see comments	see comments	see comments	see comments	see comments	see comments	see comments	Mean (mg/L)	Mean Accuracy	Standard Deviation	Calc.MDL (mg/L)	Current RL (mg/L)	Comment
No.	Analytes	Target Conc. (mg/L)	Rep-1 (mg/L)	Rep-2 (mg/L)	Rep-3 (mg/L)	Rep-4 (mg/L)	Rep-5 (mg/L)	Rep-6 (mg/L)	Rep-7 (mg/L)	Rep-8 (mg/L)	Rep-9 (mg/L)	Mean (mg/L)	Mean Accuracy	Standard Deviation	Calc.MDL (mg/L)	Current RL (mg/L)	Comment
1	Selenium	0.0100	0.0088	0.0077	0.0100	0.0105	0.0121	0.0107	0.0102	0.0098	0.0098	0.00996	100%	0.0012	0.0035	0.010	7/12, 7/16, 7/18/2008
2	Iron	0.0500	0.0493	0.0501	0.0527	0.0479	0.0504	0.0463	0.0514	0.0497	0.0517	0.04994	100%	0.0020	0.0057	0.050	7/25, 7/28-29/08
3	Zinc	0.0500	0.0467	0.0455	0.0470	0.0495	0.0497	0.0480	0.0504	0.0469	0.0481	0.04798	96%	0.0016	0.0047	0.050	7/25, 7/28-29/08
4	Boron	0.0200	0.0196	0.0198	0.0205	0.0185	0.0183	0.0191	0.0193	0.0194	0.0191	0.01929	96%	0.0007	0.0019	0.030	7/16, 7/25, 7/28/08
5	Cadmium	0.0010	0.0008	0.0008	0.0008	0.0007	0.0007	0.0007	0.0009	0.0009	0.0009	0.00080	80%	0.0001	0.0003	0.005	8/1, 8/2, 8/4/2008
6	Nickel	0.0050	0.0045	0.0046	0.0046	0.0040	0.0042	0.0044	0.0049	0.0049	0.0048	0.00454	91%	0.0003	0.0009	0.0250	8/1, 8/2, 8/4/2008
7	Tin	0.0100	0.0108	0.0105	0.0100	0.0096	0.0098	0.0098	0.0102	0.0104	0.0103	0.01016	102%	0.0004	0.0011	0.050	8/1, 8/2, 8/4/2008
8	Molybdenum	0.0100	0.0097	0.0096	0.0098	0.0090	0.0092	0.0092	0.0097	0.0098	0.0098	0.00953	95%	0.0003	0.0009	0.050	8/1, 8/2, 8/4/2008

Table (MDL)		Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	mdl8	T value used for calculating MDL: 2.998					Comment
		Date Analy.	7/12/2008	7/12/2008	7/12/2008	7/16/2008	7/16/2008	7/16/2008	7/16/2008	7/18/2008						
No.	Analytes	Target Conc. (mg/L)	Rep-1 (mg/L)	Rep-2 (mg/L)	Rep-3 (mg/L)	Rep-4 (mg/L)	Rep-5 (mg/L)	Rep-6 (mg/L)	Rep-7 (mg/L)	Rep-8 (mg/L)	Mean (mg/L)	Mean Accuracy	Standard Deviation	Calc.MDL (mg/L)	Current RL (mg/L)	
1	Arsenic	0.0050	0.0051	0.0049	0.0049	0.0038	0.0036	0.0040	0.0035	0.0048	0.00433	87%	0.00066	0.00199	0.005	

Table (MDL)		Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	T value used					Comment
		Date Analy.	see comments	see comments	see comments	see comments	see comments	see comments	see comments	for calculating MDL: 3.14					
No.	Analytes	Target Conc. (mg/L)	Rep-1 (mg/L)	Rep-2 (mg/L)	Rep-3 (mg/L)	Rep-4 (mg/L)	Rep-5 (mg/L)	Rep-6 (mg/L)	Rep-7 (mg/L)	Mean (mg/L)	Mean Accuracy	Standard Deviation	Calc.MDL (mg/L)	Current RL (mg/L)	
1	Copper	0.0020	0.0031	0.0023	0.0021	0.0024	0.0017	0.0017	0.0020	0.00219	109%	0.00048	0.00152	0.010	8/1, 8/2, 8/4/08
2	Calcium	0.1000	0.1240	0.1115	0.1172	0.1099	0.1010	0.1006	0.0994	0.10909	109%	0.00936	0.02940	0.100	8/14, 8/19, 8/21/08

Comments

Sample Name: Sample- Acquired: 8/30/2010 7:22:38 Type: Unk
Method: Alpha_2009(v1279) Mode: CONC Corr. Factor: 1.000000
User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0014	.0000	.0013	-.0003	.0001	.0000	.0182
Stddev	.000	.0088	.0005	.0002	.0001	.0000	.0002	.0007
%RSD	391.2	642.7	1260.	12.37	24.54	34.60	1265.	4.074
#1	.0000	.0048	.0004	.0014	-.0002	.0001	.0001	.0176
#2	-.0001	-.0076	-.0003	.0012	-.0003	.0001	-.0001	.0187
Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0000	-.0003	.0002	.0134	.0319	.0056	.0008
Stddev	.0000	.0001	.0001	.0000	.0215	.0305	.0003	.0003
%RSD	38.64	707.6	21.50	23.89	160.0	95.73	5.551	40.23
#1	.0000	-.0001	-.0003	.0002	.0286	.0534	.0059	.0010
#2	-.0001	.0001	-.0003	.0002	-.0018	.0103	.0054	.0006
Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.1629	-.0001	.0008	.0024	.0024	.0105	.0002
Stddev	.0001	.2415	.0001	.0002	.0003	.0008	.0005	.0000
%RSD	179.1	148.2	55.83	23.69	11.33	34.74	4.569	5.827
#1	.0001	.3336	-.0002	.0007	.0022	.0018	.0101	.0002
#2	.0000	-.0078	-.0001	.0009	.0026	.0030	.0108	.0002
Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062			
Units	ppm	ppm	ppm	ppm	ppm			
Avg	-.0002	.0000	.0009	-.0005	.0013			
Stddev	.0000	.000	.0012	.0001	.0000			
%RSD	9.594	185.3	138.0	32.23	1.324			
#1	-.0001	-.0001	.0000	-.0006	.0013			
#2	-.0002	.0000	.0017	-.0004	.0013			
Int. Std.	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S					
Avg	11546.	170530.	36980.					
Stddev	1.	207.	59.					
%RSD	.00651	.12156	.15981					
#1	11545.	170670.	37022.					
#2	11546.	170380.	36939.					

Sample Name: Std 0 Acquired: 8/30/2010 7:34:10 Type: Cal

Method: Alpha_2009(v1279) Mode: IR Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0001	.0000	-.0001	.0004	.0022	-.0007	.0002	.0001
Stddev	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0000
%RSD	46.39	98.27	37.40	.6129	1.322	4.712	33.57	56.70

#1	-.0001	.0000	-.0001	.0004	.0022	-.0007	.0002	.0001
#2	-.0001	.0001	-.0001	.0004	.0023	-.0007	.0003	.0000

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0000	-.0003	.0001	.0020	.0001	.0005	.0002	.0000
Stddev	.000	.0000	.0000	.0000	.0000	.0001	.0000	.0000
%RSD	312.3	8.633	19.61	1.530	10.66	18.02	9.015	59.32

#1	.0000	-.0003	.0001	.0020	.0001	.0004	.0003	.0001
#2	-.0001	-.0003	.0000	.0020	.0001	.0005	.0002	.0000

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0001	-.0003	.0000	.0001	.0000	.0007	.0001
Stddev	.0000	.0000	.0000	.000	.0000	.000	.0000	.0000
%RSD	24.07	30.89	4.018	106.2	6.825	76.31	6.821	6.671

#1	.0001	.0001	-.0003	.0000	.0001	.0000	.0008	.0001
#2	.0002	.0002	-.0003	-.0001	.0001	.0000	.0007	.0001

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-.0009	-.0001	-.0002	.0001	.0003
Stddev	.0000	.0000	.0000	.0000	.0000
%RSD	1.913	4.166	21.84	32.93	12.48

#1	-.0009	-.0001	-.0001	.0001	.0002
#2	-.0009	-.0001	-.0002	.0000	.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11447.	167940.	36699.
Stddev	43.	490.	118.
%RSD	.37880	.29151	.32034

#1	11478.	167600.	36616.
#2	11416.	168290.	36782.

Sample Name: Std 1 Acquired: 8/30/2010 7:37:10 Type: Cal
Method: Alpha_2009(v1279) Mode: IR Corr. Factor: 1.000000
User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1016	.0255	.0330	.2106	1.649	1.209	.0861	.0201
Stddev	.0001	.0000	.0000	.0001	.003	.001	.0003	.0000
%RSD	.1426	.0606	.0301	.0538	.1840	.1184	.2955	.0146
#1	.1015	.0255	.0330	.2106	1.647	1.210	.0860	.0201
#2	.1017	.0255	.0330	.2107	1.652	1.208	.0863	.0201
Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	Mg2790	Mn2576R	Mo2020
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.243	.6249	.0835	.1659	.0241	.0470	.1113	.3624
Stddev	.001	.0006	.0002	.0002	.0001	.0000	.0001	.0004
%RSD	.0995	.0993	.1877	.0965	.5170	.1009	.0510	.1032
#1	1.242	.6244	.0834	.1660	.0240	.0470	.1114	.3622
#2	1.243	.6253	.0836	.1658	.0242	.0469	.1113	.3627
Elem	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899	Sr4215	Ti3349A
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.2804	.1134	.0597	.0313	.0467	.1123	1.860	.1697
Stddev	.0003	.0002	.0001	.0000	.0000	.0005	.006	.0000
%RSD	.1157	.1677	.2095	.1018	.0763	.4655	.3071	.0174
#1	.2806	.1133	.0598	.0313	.0467	.1120	1.856	.1697
#2	.2802	.1136	.0597	.0313	.0467	.1127	1.864	.1697
Elem	Tl1908	V_2924	Zn2062					
Units	Cts/S	Cts/S	Cts/S					
Avg	.0508	.1273	.5646					
Stddev	.0001	.0002	.0010					
%RSD	.1422	.1613	.1744					
#1	.0508	.1271	.5639					
#2	.0509	.1274	.5653					
Int. Std.	Y_2243	Y_3600	Y_3710					
Units	Cts/S	Cts/S	Cts/S					
Avg	11331.	166520.	37046.					
Stddev	4.	105.	48.					
%RSD	.03777	.06323	.13047					
#1	11328.	166590.	37080.					
#2	11334.	166440.	37012.					

Sample Name: Std 2 Acquired: 8/30/2010 7:40:01 Type: Cal
Method: Alpha_2009(v1279) Mode: IR Corr. Factor: 1.000000
User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:
Comment:

Elem	Al3961	Fe2599	K_7664	Na5895
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.5915	.5819	.4140	1.557
Stddev	.0024	.0027	.0018	.005
%RSD	.4001	.4604	.4270	.2976

#1	.5898	.5800	.4127	1.554
#2	.5931	.5838	.4152	1.560

Int. Std.	Y_3710
Units	Cts/S
Avg	36621.
Stddev	232.
%RSD	.63270

#1	36785.
#2	36457.

Sample Name: Std 3 Acquired: 8/30/2010 7:43:02 Type: Cal
Method: Alpha_2009(v1279) Mode: IR Corr. Factor: 1.000000
User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:
Comment:

Elem	Ca3158	Mg2790
Units	Cts/S	Cts/S
Avg	.1933	.4641
Stddev	.0002	.0006
%RSD	.1162	.1300

#1	.1932	.4645
#2	.1935	.4636

Int. Std.	Y_3710
Units	Cts/S
Avg	36590.
Stddev	26.
%RSD	.07151

#1	36609.
#2	36572.

Sample Name: icv Acquired: 8/30/2010 7:46:02 Type: Unk

Method: Alpha_2009(v1279) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment: 08/30/10

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5011	.5281	.5035	.5168	.5063	.5047	.4954	.5042
Stddev	.0003	.0075	.0015	.0008	.0006	.0008	.0012	.0002
%RSD	.0623	1.429	.3028	.1555	.1094	.1657	.2454	.0326

#1	.5009	.5335	.5024	.5162	.5060	.5041	.4945	.5043
#2	.5013	.5228	.5046	.5173	.5067	.5053	.4963	.5041

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5047	.5078	.4808	.4832	.5231	5.232	.5178	.4978
Stddev	.0003	.0006	.0011	.0004	.0055	.001	.0073	.0007
%RSD	.0542	.1085	.2213	.0857	1.056	.0196	1.410	.1440

#1	.5049	.5074	.4816	.4829	.5192	5.233	.5126	.4973
#2	.5045	.5082	.4801	.4834	.5270	5.232	.5229	.4983

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4996	10.37	.4988	.4967	.4988	.4933	4.917	.5014
Stddev	.0018	.03	.0003	.0010	.0003	.0016	.005	.0008
%RSD	.3638	.2754	.0679	.1980	.0699	.3288	.0935	.1680

#1	.4983	10.35	.4986	.4974	.4991	.4922	4.913	.5020
#2	.5008	10.39	.4991	.4960	.4986	.4945	4.920	.5008

Elem	Sr4215	Ti3349A	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.5021	.4854	.5027	.4925	.4978
Stddev	.0000	.0001	.0032	.0005	.0002
%RSD	.0073	.0256	.6454	.1053	.0342

#1	.5021	.4855	.5050	.4921	.4979
#2	.5020	.4853	.5004	.4928	.4977

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11336.	167410.	37091.
Stddev	22.	173.	127.
%RSD	.19389	.10340	.34143

#1	11351.	167290.	37180.
#2	11320.	167530.	37001.

Sample Name: icv Acquired: 8/30/2010 7:49:56 Type: Unk

Method: Alpha_2009(v1279) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment: 08/30/10

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5060	.5210	.4971	.5173	.5025	.4942	.5052	.5087
Stddev	.0003	.0095	.0005	.0007	.0022	.0002	.0044	.0011
%RSD	.0615	1.831	.0956	.1402	.4475	.0305	.8733	.2225

#1	.5058	.5143	.4967	.5168	.5010	.4941	.5021	.5095
#2	.5062	.5278	.4974	.5178	.5041	.4943	.5084	.5079

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5020	.5047	.4919	.4809	.5213	5.177	.5175	.4925
Stddev	.0012	.0008	.0026	.0000	.0002	.053	.0086	.0018
%RSD	.2481	.1551	.5236	.0025	.0420	1.022	1.669	.3655

#1	.5011	.5041	.4901	.4809	.5211	5.214	.5236	.4912
#2	.5029	.5053	.4937	.4809	.5215	5.140	.5114	.4938

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5004	10.19	.4973	.4931	.5025	.4910	4.893	.4988
Stddev	.0013	.01	.0009	.0010	.0034	.0030	.006	.0001
%RSD	.2505	.1224	.1769	.2112	.6759	.6061	.1297	.0131

#1	.4995	10.20	.4966	.4923	.5001	.4932	4.889	.4988
#2	.5013	10.18	.4979	.4938	.5049	.4889	4.898	.4989

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.5027	.4830	.5016	.5027	.4961
Stddev	.0016	.0007	.0024	.0015	.0005
%RSD	.3201	.1374	.4756	.3077	.0986

#1	.5016	.4835	.4999	.5016	.4957
#2	.5038	.4826	.5033	.5038	.4964

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11318.	165160.	36814.
Stddev	3.	21.	190.
%RSD	.02418	.01259	.51724

#1	11317.	165140.	36679.
#2	11320.	165170.	36949.

Sample Name: icb Acquired: 8/30/2010 7:52:45 Type: Unk

Method: Alpha_2009(v1279) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0020	.0022	-.0008	-.0003	.0004	-.0022	.0002
Stddev	.0001	.0018	.0000	.0000	.0001	.0000	.0002	.0054
%RSD	24.05	90.38	.3777	.7224	43.99	9.969	7.487	2490.

#1	.0003	-.0034	.0023	-.0008	-.0004	.0003	-.0021	-.0036
#2	.0004	-.0007	.0022	-.0008	-.0002	.0004	-.0023	.0040

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0002	-.0002	-.0021	-.0018	-.0358	-.0037	-.0002
Stddev	.000	.0000	.0000	.0001	.0002	.0185	.0011	.0000
%RSD	168.4	17.13	26.80	3.187	8.501	51.59	28.91	17.30

#1	.0000	.0002	-.0002	-.0021	-.0017	-.0228	-.0045	-.0002
#2	.0000	.0002	-.0001	-.0022	-.0019	-.0489	-.0029	-.0002

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0277	.0007	.0006	-.0005	.0000	-.0048	-.0001
Stddev	.000	.0022	.0000	.0001	.0001	.0008	.0003	.0002
%RSD	1796.	7.862	4.330	8.260	29.38	2202.	5.391	122.2

#1	.0001	-.0262	.0007	.0006	-.0006	.0006	-.0046	.0000
#2	-.0002	-.0293	.0007	.0007	-.0004	-.0005	-.0050	-.0002

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0001	.0022	-.0002	-.0003
Stddev	.0000	.0000	.0001	.0000	.0001
%RSD	10.43	4.591	2.797	8.693	31.24

#1	.0001	.0001	.0021	-.0002	-.0002
#2	.0000	.0001	.0022	-.0002	-.0004

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	36740.	457730.	71443.
Stddev	70.	1330.	447.
%RSD	.19165	.29065	.62611

#1	36690.	456790.	71127.
#2	36790.	458670.	71759.

Sample Name: icb Acquired: 8/30/2010 7:57:27 Type: Unk

Method: Alpha_2009(v1279) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0012	.0001	-.0001	.0000	-.0001	.0043	.0042
Stddev	.000	.0036	.0010	.0001	.000	.0000	.0021	.0037
%RSD	2180.	302.9	1914.	92.72	23.04	2.553	49.22	89.11

#1	.0001	-.0014	-.0007	.0000	.0000	-.0001	.0058	.0015
#2	-.0001	.0037	.0008	-.0001	.0000	-.0001	.0028	.0068

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0000	.0001	.0002	.0040	-.0233	-.0014	-.0002
Stddev	.0000	.000	.0001	.0001	.0039	.0111	.0007	.0002
%RSD	2.671	405.3	175.3	39.49	97.32	47.38	47.57	76.19

#1	-.0001	.0000	.0000	.0003	.0068	-.0311	-.0009	-.0001
#2	-.0001	-.0001	.0001	.0002	.0013	-.0155	-.0018	-.0003

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-.0022	-.0002	.0005	-.0001	.0006	-.0005	.0001
Stddev	.0001	.0028	.0001	.0009	.0004	.0002	.0002	.0001
%RSD	13.16	128.1	71.49	180.7	548.0	34.40	40.00	105.0

#1	.0005	-.0002	-.0001	.0011	.0002	.0004	-.0004	.0000
#2	.0005	-.0042	-.0002	-.0001	-.0004	.0007	-.0006	.0002

Elem	Sr4215	Ti3349A	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0002	-.0001	-.0002	-.0001
Stddev	.000	.0001	.0004	.0003	.0000
%RSD	101.5	85.54	427.3	154.3	15.66

#1	.0000	-.0001	.0002	-.0004	-.0001
#2	.0000	-.0003	-.0004	.0000	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11379.	166970.	36702.
Stddev	3.	771.	127.
%RSD	.02566	.46163	.34696

#1	11381.	166430.	36612.
#2	11377.	167520.	36792.

Sample Name: icsai Acquired: 8/30/2010 8:00:25 Type: Unk

Method: Alpha_2009(v1279) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022	250.7	.0009	-.0006	.0030	.0011	.0009	235.3
Stddev	.0000	.6	.0009	.0002	.0000	.0000	.0011	1.6
%RSD	1.021	.2528	101.6	30.57	.7405	3.445	118.4	.6599

#1	.0022	250.3	.0003	-.0005	.0030	.0011	.0017	234.2
#2	.0022	251.2	.0016	-.0007	.0030	.0011	.0001	236.4

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0067	.0008	.0009	90.92	.7177	224.2	.0023
Stddev	.0001	.0001	.0001	.0003	.45	.0037	1.4	.0001
%RSD	4.147	1.082	9.990	33.23	.4964	.5089	.6039	5.483

#1	.0013	.0066	.0009	.0011	90.60	.7151	225.2	.0022
#2	.0014	.0067	.0008	.0007	91.24	.7203	223.2	.0024

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065	.5068	.0092	.0047	.0034	-.0002	.1610	.0038
Stddev	.0003	.0002	.0001	.0009	.0039	.0044	.0007	.0003
%RSD	3.934	.0405	.8224	19.92	112.7	1903.	.4504	8.219

#1	.0067	.5067	.0093	.0041	.0062	-.0033	.1605	.0040
#2	.0063	.5070	.0091	.0054	.0007	.0029	.1615	.0035

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0031	.0030	.0016	.0034	.0039
Stddev	.0001	.0002	.0008	.0003	.0003
%RSD	2.251	6.922	53.11	8.435	7.070

#1	.0032	.0028	.0010	.0036	.0037
#2	.0031	.0031	.0022	.0032	.0041

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	10208.	149090.	35534.
Stddev	13.	314.	51.
%RSD	.12293	.21062	.14279

#1	10217.	149310.	35570.
#2	10200.	148870.	35498.

Sample Name: icsabi Acquired: 8/30/2010 8:03:29 Type: Unk

Method: Alpha_2009(v1279) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3024	9.468	1.030	.5070	.3033	.1016	1.007	44.91
Stddev	.0004	.008	.001	.0004	.0008	.0003	.005	.07
%RSD	.1235	.0840	.0770	.0768	.2738	.2735	.4716	.1664

#1	.3026	9.463	1.029	.5067	.3027	.1014	1.003	44.85
#2	.3021	9.474	1.030	.5073	.3039	.1018	1.010	44.96

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2974	.2932	.2924	.3007	37.97	20.86	22.15	.2015
Stddev	.0004	.0011	.0003	.0005	.04	.06	.01	.0000
%RSD	.1487	.3690	.1136	.1768	.1163	.2921	.0539	.0168

#1	.2971	.2924	.2926	.3011	37.93	20.82	22.16	.2015
#2	.2978	.2940	.2921	.3004	38.00	20.91	22.14	.2015

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2990	7.922	.2914	.9698	1.012	.5095	1.215	.9905
Stddev	.0013	.014	.0003	.0018	.003	.0010	.001	.0018
%RSD	.4421	.1777	.1197	.1862	.2500	.1865	.1015	.1860

#1	.2981	7.912	.2911	.9685	1.011	.5088	1.214	.9892
#2	.2999	7.932	.2916	.9711	1.014	.5101	1.216	.9918

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.006	1.007	.9694	.3017	.3264
Stddev	.002	.000	.0009	.0009	.0007
%RSD	.2119	.0013	.0964	.3086	.2119

#1	1.005	1.007	.9701	.3010	.3260
#2	1.008	1.007	.9687	.3023	.3269

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	10989.	161330.	36287.
Stddev	15.	227.	12.
%RSD	.13790	.14066	.03391

#1	11000.	161170.	36278.
#2	10979.	161490.	36296.

Sample Name: crie Acquired: 8/30/2010 8:06:19 Type: Unk

Method: Alpha_2009(v1279) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0195	.3899	.0186	.0932	.0390	.0093	.0265	.3393
Stddev	.0002	.0063	.0023	.0011	.0001	.0001	.0022	.0030
%RSD	1.200	1.627	12.18	1.212	.2819	.9515	8.338	.8846

#1	.0197	.3944	.0170	.0924	.0391	.0093	.0280	.3371
#2	.0193	.3854	.0202	.0940	.0389	.0092	.0249	.3414

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0096	.0954	.0185	.0467	.2103	4.694	.3863	.0280
Stddev	.0001	.0001	.0002	.0000	.0022	.020	.0004	.0000
%RSD	.7485	.1158	.9622	.0403	1.058	.4260	.0927	.1309

#1	.0096	.0955	.0186	.0467	.2119	4.708	.3860	.0281
#2	.0095	.0953	.0184	.0467	.2088	4.680	.3865	.0280

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0958	4.714	.0752	.0402	.0964	.0193	.8832	.0216
Stddev	.0000	.013	.0003	.0000	.0002	.0011	.0037	.0003
%RSD	.0410	.2715	.3523	.1115	.2493	5.881	.4187	1.547

#1	.0958	4.723	.0750	.0402	.0962	.0201	.8806	.0219
#2	.0958	4.705	.0754	.0402	.0966	.0185	.8859	.0214

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0188	.0181	.0182	.0945	.0399
Stddev	.0001	.0002	.0012	.0010	.0000
%RSD	.7328	1.276	6.621	1.098	.0168

#1	.0187	.0179	.0173	.0938	.0399
#2	.0189	.0182	.0190	.0952	.0399

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11349.	165660.	36717.
Stddev	1.	723.	235.
%RSD	.00728	.43659	.64038

#1	11349.	166170.	36551.
#2	11348.	165140.	36884.

Sample Name: 0.0025ppm Acquired: 8/30/2010 8:09:18 Type: Unk
Method: Alpha_2009(v1279) Mode: CONC Corr. Factor: 1.000000
User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022	-.0011	.0028	.0032	.0024	.0023	.0044	.0028
Stddev	.0004	.0003	.0010	.0000	.0000	.0000	.0006	.0055
%RSD	16.60	28.46	34.11	1.156	1.764	.4111	12.94	199.7

#1	.0024	-.0013	.0022	.0032	.0023	.0023	.0049	.0067
#2	.0019	-.0008	.0035	.0032	.0024	.0023	.0040	-.0011

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	.0025	.0028	.0030	.0012	-.0148	.0031	.0022
Stddev	.0000	.0001	.0002	.0000	.0017	.0118	.0020	.0001
%RSD	.9161	2.405	6.560	.0556	140.7	79.45	64.36	5.672

#1	.0024	.0025	.0029	.0030	.0024	-.0232	.0017	.0023
#2	.0024	.0026	.0027	.0030	.0000	-.0065	.0046	.0021

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031	-.0035	.0026	.0030	.0045	.0023	.0122	.0028
Stddev	.0002	.0033	.0002	.0001	.0014	.0016	.0001	.0003
%RSD	5.057	93.76	7.750	4.360	30.88	67.70	.6998	10.77

#1	.0032	-.0058	.0024	.0031	.0055	.0012	.0121	.0030
#2	.0030	-.0012	.0027	.0029	.0035	.0035	.0123	.0026

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0025	.0025	.0014	.0025	.0025
Stddev	.0000	.0000	.0003	.0003	.0000
%RSD	1.052	.0296	23.50	11.82	.0479

#1	.0025	.0025	.0016	.0027	.0025
#2	.0026	.0025	.0012	.0023	.0025

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11405.	167710.	37108.
Stddev	4.	628.	398.
%RSD	.03261	.37429	1.0715

#1	11402.	167270.	36827.
#2	11407.	168160.	37389.

Sample Name: 0.005ppm Acquired: 8/30/2010 8:12:19 Type: Unk
Method: Alpha_2009(v1279) Mode: CONC Corr. Factor: 1.000000
User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0053	.0067	.0060	.0055	.0050	.0050	.0058	.0014
Stddev	.0004	.0016	.0004	.0000	.0001	.0001	.0013	.0003
%RSD	8.318	23.93	6.614	.1430	2.876	2.583	23.07	17.90
#1	.0056	.0056	.0062	.0055	.0049	.0049	.0068	.0012
#2	.0050	.0079	.0057	.0055	.0051	.0051	.0049	.0016

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050	.0051	.0052	.0057	.0045	.0629	.0050	.0048
Stddev	.0000	.0000	.0003	.0000	.0005	.0053	.0032	.0003
%RSD	.1343	.4560	5.474	.2542	11.99	8.449	63.53	6.178
#1	.0050	.0051	.0050	.0057	.0041	.0591	.0028	.0046
#2	.0050	.0051	.0054	.0057	.0049	.0667	.0072	.0050

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052	.0065	.0052	.0054	.0048	.0064	.0136	.0048
Stddev	.0001	.0036	.0004	.0003	.0003	.0022	.0003	.0005
%RSD	1.763	56.09	8.402	5.985	6.885	34.69	2.186	9.720
#1	.0053	.0039	.0049	.0052	.0046	.0049	.0134	.0051
#2	.0051	.0091	.0055	.0056	.0050	.0080	.0138	.0045

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0051	.0050	.0045	.0050	.0050
Stddev	.0000	.0001	.0004	.0001	.0000
%RSD	.7895	1.885	8.339	1.886	.6839
#1	.0051	.0051	.0042	.0050	.0050
#2	.0051	.0050	.0047	.0049	.0050

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11388.	167740.	36893.
Stddev	32.	178.	263.
%RSD	.27972	.10606	.71242
#1	11410.	167860.	37079.
#2	11365.	167610.	36707.

Sample Name: 0.010ppm Acquired: 8/30/2010 8:15:21 Type: Unk
Method: Alpha_2009(v1279) Mode: CONC Corr. Factor: 1.000000
User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0103	.0073	.0095	.0143	.0104	.0100	.0101	.0121
Stddev	.0001	.0031	.0013	.0003	.0000	.0000	.0002	.0032
%RSD	.6011	42.82	13.29	2.149	.3765	.4909	1.552	26.56
#1	.0102	.0095	.0086	.0140	.0104	.0101	.0100	.0143
#2	.0103	.0051	.0104	.0145	.0104	.0100	.0102	.0098

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0103	.0103	.0105	.0105	.0101	.0861	.0099	.0099
Stddev	.0000	.0001	.0003	.0003	.0025	.0120	.0004	.0006
%RSD	.3711	.6060	2.847	2.458	24.32	13.90	3.707	5.772
#1	.0102	.0103	.0103	.0104	.0084	.0946	.0097	.0095
#2	.0103	.0102	.0107	.0107	.0119	.0777	.0102	.0103

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0104	.0086	.0104	.0114	.0094	.0103	.0618	.0105
Stddev	.0001	.0006	.0001	.0002	.0004	.0028	.0001	.0000
%RSD	1.415	7.441	1.154	1.554	4.654	27.14	.1803	.0877
#1	.0105	.0082	.0105	.0115	.0091	.0123	.0619	.0105
#2	.0103	.0091	.0103	.0113	.0097	.0084	.0617	.0105

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0103	.0102	.0100	.0103	.0104
Stddev	.0001	.0001	.0007	.0001	.0000
%RSD	.5702	.7177	6.686	.8795	.0274
#1	.0104	.0103	.0096	.0103	.0104
#2	.0103	.0102	.0105	.0102	.0104

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11398.	167100.	36607.
Stddev	13.	289.	60.
%RSD	.11002	.17273	.16349
#1	11389.	166890.	36565.
#2	11407.	167300.	36649.

Sample Name: 0.050ppm Acquired: 8/30/2010 8:18:22 Type: Unk
Method: Alpha_2009(v1279) Mode: CONC Corr. Factor: 1.000000
User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0519	.0573	.0509	.0523	.0515	.0514	.0502	.0531
Stddev	.0002	.0015	.0015	.0003	.0002	.0004	.0001	.0018
%RSD	.2930	2.680	2.953	.5546	.3375	.7033	.2251	3.337
#1	.0520	.0584	.0499	.0525	.0516	.0511	.0503	.0518
#2	.0518	.0563	.0520	.0521	.0514	.0517	.0501	.0543

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0510	.0514	.0508	.0520	.0526	.5325	.0524	.0516
Stddev	.0000	.0001	.0000	.0001	.0022	.0218	.0008	.0004
%RSD	.0447	.1556	.0510	.1791	4.154	4.094	1.534	.6900
#1	.0510	.0514	.0508	.0519	.0542	.5479	.0518	.0518
#2	.0511	.0515	.0508	.0521	.0511	.5171	.0530	.0513

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0512	.0613	.0511	.0525	.0510	.0525	.0380	.0517
Stddev	.0002	.0006	.0001	.0008	.0005	.0007	.0001	.0005
%RSD	.3264	.9618	.1269	1.472	1.015	1.391	.3370	.8805
#1	.0510	.0617	.0512	.0531	.0506	.0520	.0381	.0514
#2	.0513	.0609	.0511	.0520	.0513	.0530	.0379	.0520

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0510	.0510	.0511	.0505	.0511
Stddev	.0001	.0000	.0009	.0001	.0000
%RSD	.1486	.0589	1.827	.1121	.0776
#1	.0509	.0510	.0504	.0505	.0511
#2	.0510	.0510	.0518	.0506	.0511

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11394.	168250.	37246.
Stddev	7.	261.	170.
%RSD	.06095	.15530	.45696
#1	11389.	168430.	37366.
#2	11399.	168060.	37126.

Sample Name: ccv Acquired: 8/30/2010 8:21:21 Type: Unk

Method: Alpha_2009(v1279) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5049	.5241	.5004	.5172	.5046	.5003	.4997	.5056
Stddev	.0000	.0050	.0006	.0016	.0000	.0003	.0042	.0053
%RSD	.0029	.9476	.1279	.3176	.0079	.0530	.8457	1.052

#1	.5049	.5205	.5000	.5161	.5047	.5005	.4968	.5018
#2	.5049	.5276	.5009	.5184	.5046	.5001	.5027	.5093

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5024	.5093	.4849	.4830	.5275	5.240	.5172	.4968
Stddev	.0013	.0012	.0010	.0010	.0001	.000	.0006	.0007
%RSD	.2637	.2419	.2118	.2076	.0127	.0054	.1072	.1467

#1	.5014	.5084	.4857	.4823	.5275	5.240	.5168	.4963
#2	.5033	.5102	.4842	.4837	.5276	5.240	.5176	.4973

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5012	10.39	.4965	.4973	.5003	.4942	4.924	.5041
Stddev	.0016	.01	.0008	.0018	.0025	.0008	.008	.0002
%RSD	.3170	.0557	.1526	.3713	.5043	.1617	.1555	.0445

#1	.5000	10.40	.4960	.4960	.4986	.4937	4.918	.5039
#2	.5023	10.39	.4971	.4986	.5021	.4948	4.929	.5043

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.5025	.4842	.5025	.4967	.4979
Stddev	.0009	.0005	.0027	.0011	.0011
%RSD	.1763	.0984	.5424	.2173	.2174

#1	.5019	.4838	.5005	.4960	.4971
#2	.5032	.4845	.5044	.4975	.4987

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11264.	165460.	36692.
Stddev	25.	100.	244.
%RSD	.22384	.06021	.66502

#1	11282.	165540.	36520.
#2	11246.	165390.	36865.

Sample Name: ccb Acquired: 8/30/2010 8:24:16 Type: Unk

Method: Alpha_2009(v1279) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0034	.0015	.0002	-.0001	-.0001	.0071	.0014
Stddev	.0004	.0024	.0002	.0002	.0000	.0001	.0024	.0043
%RSD	83.96	69.13	14.03	95.76	19.40	81.30	33.61	295.0

#1	.0002	-.0051	.0013	.0001	-.0001	.0000	.0087	.0045
#2	.0007	-.0018	.0016	.0004	-.0001	-.0001	.0054	-.0016

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0001	.0004	.0003	-.0018	-.0576	-.0011	-.0004
Stddev	.000	.0001	.0004	.0001	.0003	.0081	.0042	.0000
%RSD	38.47	96.09	102.2	32.67	14.98	14.09	380.2	4.426

#1	.0000	-.0002	.0007	.0002	-.0016	-.0634	.0019	-.0004
#2	-.0001	.0000	.0001	.0003	-.0020	-.0519	-.0041	-.0004

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	-.0113	-.0001	.0000	.0017	.0011	.0001	.0006
Stddev	.0005	.0004	.0001	.000	.0001	.0006	.0005	.0003
%RSD	34.20	3.464	201.0	1044.	3.375	50.50	393.5	53.88

#1	.0019	-.0116	-.0001	.0002	.0017	.0016	-.0002	.0009
#2	.0011	-.0111	.0000	-.0002	.0018	.0007	.0005	.0004

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	-.0005	-.0001	.0000
Stddev	.0001	.0000	.0001	.0000	.000
%RSD	248.8	155.1	11.60	46.58	194.8

#1	.0000	.0001	-.0005	-.0001	.0000
#2	.0001	.0000	-.0005	-.0001	-.0001

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11371.	167160.	36733.
Stddev	21.	177.	100.
%RSD	.18319	.10574	.27247

#1	11386.	167280.	36663.
#2	11356.	167030.	36804.

Sample Name: wg429467-1,t Acquired: 8/30/2010 9:10:32 Type: Unk
Method: Alpha_2009(v1280) Mode: CONC Corr. Factor: 1.000000
User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0003	-.0005	-.0005	.0000	-.0001	-.0014	-.0016
Stddev	.0003	.0048	.0015	.0002	.000	.0001	.0003	.0024
%RSD	159.8	1854.	281.4	43.13	171.0	111.1	20.33	148.2

#1	.0000	.0037	.0005	-.0004	-.0001	-.0001	-.0012	-.0033
#2	.0004	-.0032	-.0016	-.0007	.0000	.0000	-.0016	.0001

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0000	-.0002	-.0001	-.0016	-.0293	.0002	.0000
Stddev	.0000	.0001	.0001	.0002	.0005	.0023	.0029	.000
%RSD	38.15	2939.	48.67	144.6	32.51	7.815	1584.	457.2

#1	-.0001	-.0001	-.0001	-.0003	-.0020	-.0309	.0023	.0001
#2	-.0001	.0001	-.0003	.0000	-.0012	-.0276	-.0019	-.0001

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0140	.0000	.0006	.0004	.0020	.0011	-.0001
Stddev	.0000	.0016	.000	.0009	.0005	.0003	.0008	.0003
%RSD	28.74	11.59	42.10	153.9	116.7	16.87	72.01	444.3

#1	-.0001	-.0128	.0000	.0013	.0008	.0022	.0005	-.0003
#2	-.0002	-.0151	-.0001	-.0001	.0001	.0017	.0016	.0002

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0001	-.0014	-.0002	-.0003
Stddev	.0000	.0000	.0008	.0000	.0000
%RSD	13.69	10.31	57.01	17.63	15.26

#1	.0000	-.0001	-.0009	-.0003	-.0003
#2	.0001	-.0001	-.0020	-.0002	-.0003

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11420.	167310.	36708.
Stddev	17.	218.	69.
%RSD	.15174	.13000	.18724

#1	11432.	167160.	36659.
#2	11407.	167470.	36757.

Sample Name: wg429467-2,t Acquired: 8/30/2010 9:13:48 Type: Unk
Method: Alpha_2009(v1280) Mode: CONC Corr. Factor: 1.000000
User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0492	1.984	.1293	1.024	2.000	.0496	.0032	9.850
Stddev	.0000	.006	.0011	.003	.001	.0001	.0015	.024
%RSD	.0446	.3037	.8720	.3243	.0398	.2933	46.57	.2446
#1	.0492	1.988	.1285	1.022	1.999	.0495	.0021	9.833
#2	.0492	1.980	.1301	1.027	2.001	.0497	.0042	9.867

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0547	.4940	.1962	.2486	1.014	9.939	9.852	.4916
Stddev	.0001	.0015	.0001	.0010	.001	.005	.061	.0025
%RSD	.1584	.3107	.0410	.3847	.1003	.0469	.6233	.5154
#1	.0547	.4929	.1963	.2479	1.013	9.935	9.808	.4898
#2	.0548	.4951	.1962	.2493	1.015	9.942	9.895	.4934

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9979	10.00	.4834	.5203	.5073	.1265	1.020	.9948
Stddev	.0043	.01	.0017	.0010	.0014	.0005	.005	.0040
%RSD	.4312	.1463	.3429	.1885	.2838	.3628	.4801	.4014
#1	.9949	9.993	.4822	.5196	.5063	.1269	1.016	.9920
#2	1.001	10.01	.4846	.5210	.5083	.1262	1.023	.9977

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.013	.9862	.1204	.5016	.4917
Stddev	.000	.0006	.0001	.0005	.0003
%RSD	.0249	.0632	.1010	.0979	.0705
#1	1.013	.9857	.1203	.5013	.4914
#2	1.012	.9866	.1205	.5020	.4919

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11150.	163080.	36832.
Stddev	17.	213.	164.
%RSD	.15098	.13091	.44635
#1	11162.	162930.	36948.
#2	11138.	163230.	36716.

Sample Name: I1013017-01,t Acquired: 8/30/2010 9:16:53 Type: Unk
Method: Alpha_2009(v1280) Mode: CONC Corr. Factor: 1.000000
User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	10.17	.0115	.0441	.3352	.0011	-.0016	61.18
Stddev	.0002	.08	.0007	.0001	.0015	.0003	.0011	.09
%RSD	50.90	.7885	5.924	.2071	.4549	25.39	68.70	.1393

#1	.0003	10.23	.0110	.0442	.3363	.0013	-.0023	61.24
#2	.0006	10.11	.0120	.0441	.3341	.0009	-.0008	61.12

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.0160	.0597	.0506	26.87	7.910	39.97	.2531
Stddev	.0000	.0000	.0003	.0002	.16	.028	.12	.0047
%RSD	.4918	.2364	.5140	.4566	.6041	.3543	.2916	1.862

#1	.0020	.0160	.0600	.0507	26.99	7.930	40.05	.2564
#2	.0020	.0160	.0595	.0504	26.76	7.890	39.89	.2498

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074	133.4	.0848	.0511	.0042	.0041	28.98	.0042
Stddev	.0007	2.9	.0007	.0003	.0017	.0004	.02	.0006
%RSD	8.957	2.154	.7888	.5502	39.15	8.915	.0801	13.61

#1	.0079	135.5	.0843	.0509	.0054	.0038	28.96	.0046
#2	.0070	131.4	.0853	.0513	.0031	.0043	29.00	.0038

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.2807	.6470	-.0006	.0405	.2011
Stddev	.0014	.0007	.0014	.0002	.0001
%RSD	.4835	.1034	240.7	.5070	.0458

#1	.2817	.6475	.0004	.0406	.2011
#2	.2798	.6465	-.0016	.0403	.2012

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	10712.	156050.	36648.
Stddev	19.	28.	89.
%RSD	.18177	.01820	.24264

#1	10726.	156070.	36585.
#2	10699.	156030.	36711.

Sample Name: wg429467-3,t Acquired: 8/30/2010 9:20:09 Type: Unk
Method: Alpha_2009(v1280) Mode: CONC Corr. Factor: 1.000000
User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	9.231	.0084	.0435	.3272	.0008	-.0019	60.66
Stddev	.0004	.029	.0021	.0002	.0001	.0000	.0004	.24
%RSD	171.6	.3136	25.07	.5587	.0217	2.038	19.82	.3903
#1	.0000	9.211	.0069	.0437	.3273	.0008	-.0022	60.49
#2	.0005	9.252	.0099	.0433	.3272	.0008	-.0017	60.83

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018	.0149	.0537	.0468	24.88	7.583	39.62	.2369
Stddev	.0000	.0001	.0002	.0000	.09	.024	.42	.0006
%RSD	1.388	.5794	.4423	.0003	.3637	.3170	1.055	.2389
#1	.0019	.0149	.0539	.0468	24.82	7.600	39.33	.2365
#2	.0018	.0150	.0535	.0468	24.95	7.566	39.92	.2373

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051	133.9	.0794	.0514	.0016	.0031	27.22	.0022
Stddev	.0001	1.5	.0001	.0008	.0001	.0001	.00	.0001
%RSD	1.919	1.119	.1770	1.582	6.154	1.649	.0018	5.098
#1	.0050	132.9	.0795	.0520	.0015	.0031	27.22	.0023
#2	.0051	135.0	.0793	.0509	.0017	.0031	27.22	.0022

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.2817	.5609	-.0009	.0382	.1837
Stddev	.0011	.0004	.0006	.0004	.0004
%RSD	.3840	.0631	72.83	.9240	.1953
#1	.2809	.5607	-.0013	.0384	.1839
#2	.2824	.5612	-.0004	.0379	.1834

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	10696.	155160.	36274.
Stddev	1.	317.	334.
%RSD	.01237	.20462	.92206
#1	10695.	155390.	36510.
#2	10697.	154940.	36037.

Sample Name: wg429467-4,t Acquired: 8/30/2010 9:23:24 Type: Unk
Method: Alpha_2009(v1280) Mode: CONC Corr. Factor: 1.000000
User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0497	11.60	.1343	1.076	2.283	.0493	.0015	70.07
Stddev	.0001	.03	.0007	.005	.004	.0003	.0004	.12
%RSD	.1684	.2468	.5119	.4507	.1808	.5933	24.21	.1687

#1	.0497	11.62	.1338	1.073	2.286	.0495	.0018	70.16
#2	.0496	11.58	.1348	1.079	2.281	.0491	.0013	69.99

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0541	.4881	.2482	.2962	25.38	17.30	48.76	.7106
Stddev	.0001	.0003	.0012	.0003	.01	.02	.45	.0021
%RSD	.2489	.0665	.4878	.1098	.0424	.1103	.9165	.3000

#1	.0540	.4883	.2491	.2959	25.39	17.31	49.08	.7121
#2	.0542	.4878	.2474	.2964	25.37	17.28	48.44	.7091

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9492	138.6	.5332	.5372	.4321	.1229	28.19	.7587
Stddev	.0033	1.2	.0017	.0001	.0020	.0007	.06	.0022
%RSD	.3488	.8965	.3125	.0150	.4607	.6097	.2132	.2887

#1	.9469	137.7	.5320	.5372	.4307	.1234	28.15	.7603
#2	.9516	139.5	.5343	.5371	.4335	.1224	28.23	.7572

Elem	Sr4215	Ti3349A	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.281	1.520	.1090	.5403	.6584
Stddev	.002	.002	.0007	.0013	.0001
%RSD	.1454	.1348	.6108	.2492	.0131

#1	1.282	1.522	.1095	.5413	.6585
#2	1.279	1.519	.1086	.5394	.6584

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	10600.	153430.	36236.
Stddev	18.	140.	236.
%RSD	.17010	.09127	.64998

#1	10613.	153330.	36070.
#2	10587.	153530.	36403.

Sample Name: wg429467-6,t Acquired: 8/30/2010 9:26:37 Type: Unk
Method: Alpha_2009(v1280) Mode: CONC Corr. Factor: 1.000000
User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0483	11.75	.1403	1.105	2.360	.0518	.0013	69.08
Stddev	.0000	.01	.0003	.003	.001	.0000	.0005	.25
%RSD	.0399	.0958	.2446	.2359	.0259	.0772	36.35	.3613
#1	.0483	11.75	.1401	1.103	2.360	.0517	.0010	68.90
#2	.0483	11.76	.1405	1.107	2.360	.0518	.0017	69.26

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0566	.5138	.2599	.3107	27.27	17.73	48.57	.7385
Stddev	.0001	.0017	.0001	.0009	.10	.05	.44	.0015
%RSD	.1705	.3314	.0483	.2779	.3648	.2703	.8974	.2023
#1	.0565	.5126	.2599	.3100	27.20	17.70	48.26	.7374
#2	.0567	.5151	.2600	.3113	27.34	17.76	48.88	.7396

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.012	138.2	.5580	.5397	.5359	.1315	28.18	.9949
Stddev	.004	1.2	.0009	.0027	.0018	.0008	.06	.0037
%RSD	.3441	.8577	.1670	.5030	.3308	.6358	.2280	.3696
#1	1.010	137.4	.5574	.5378	.5346	.1321	28.14	.9923
#2	1.015	139.0	.5587	.5416	.5371	.1309	28.23	.9975

Elem	Sr4215	Ti3349A	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.301	1.617	.1088	.5616	.6948
Stddev	.000	.000	.0012	.0011	.0024
%RSD	.0054	.0277	1.115	.1940	.3450
#1	1.301	1.618	.1097	.5608	.6931
#2	1.301	1.617	.1080	.5623	.6965

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	10590.	154200.	36149.
Stddev	20.	157.	182.
%RSD	.18993	.10154	.50388
#1	10604.	154090.	36278.
#2	10575.	154310.	36020.

Sample Name: wg429467-5,t,5 Acquired: 8/30/2010 9:29:48 Type: Unk
Method: Alpha_2009(v1280) Mode: CONC Corr. Factor: 1.000000
User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	2.093	.0010	.0099	.0706	.0001	-.0013	13.14
Stddev	.0003	.005	.0020	.0003	.0002	.0000	.0001	.08
%RSD	131.1	.2293	203.4	2.835	.2412	27.44	6.395	.6377
#1	.0000	2.090	.0024	.0101	.0705	.0001	-.0013	13.08
#2	.0004	2.097	-.0004	.0097	.0707	.0001	-.0012	13.20

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0033	.0127	.0109	5.812	1.610	8.915	.0535
Stddev	.0000	.0000	.0002	.0001	.015	.032	.003	.0004
%RSD	2.981	.9330	1.407	.5024	.2555	2.015	.0312	.8367
#1	.0003	.0033	.0128	.0108	5.802	1.587	8.913	.0538
#2	.0003	.0033	.0126	.0109	5.823	1.633	8.917	.0532

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044	28.35	.0178	.0120	.0038	.0004	5.839	.0023
Stddev	.0007	.14	.0001	.0001	.0013	.0013	.045	.0003
%RSD	15.45	.4970	.4430	1.118	33.62	333.8	.7663	11.86
#1	.0048	28.25	.0178	.0119	.0046	.0013	5.871	.0025
#2	.0039	28.45	.0177	.0121	.0029	-.0005	5.808	.0021

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0597	.1339	-.0002	.0086	.0419
Stddev	.0002	.0004	.0006	.0000	.0003
%RSD	.3138	.2987	232.8	.4249	.7885
#1	.0596	.1342	-.0006	.0086	.0421
#2	.0598	.1337	.0002	.0086	.0417

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11141.	162860.	36440.
Stddev	2.	423.	118.
%RSD	.01989	.25984	.32350
#1	11142.	163160.	36523.
#2	11139.	162560.	36356.

Sample Name: ccv Acquired: 8/30/2010 9:33:01 Type: Unk

Method: Alpha_2009(v1280) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5061	.5252	.5018	.5131	.5041	.4995	.4910	.5236
Stddev	.0010	.0037	.0014	.0006	.0007	.0003	.0038	.0001
%RSD	.1903	.6983	.2691	.1120	.1400	.0642	.7645	.0275

#1	.5068	.5278	.5028	.5127	.5036	.4992	.4884	.5235
#2	.5055	.5226	.5009	.5135	.5046	.4997	.4937	.5237

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5013	.5099	.4826	.4819	.5386	5.143	.5237	.4992
Stddev	.0004	.0005	.0004	.0006	.0015	.002	.0008	.0001
%RSD	.0881	.0970	.0782	.1193	.2747	.0455	.1485	.0120

#1	.5016	.5096	.4828	.4823	.5396	5.145	.5231	.4992
#2	.5010	.5103	.4823	.4815	.5375	5.142	.5242	.4992

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5001	10.45	.4928	.5014	.4963	.4945	4.925	.5054
Stddev	.0011	.01	.0004	.0007	.0017	.0002	.012	.0011
%RSD	.2191	.1162	.0798	.1347	.3343	.0329	.2506	.2233

#1	.4993	10.46	.4925	.5009	.4951	.4944	4.916	.5047
#2	.5008	10.44	.4931	.5018	.4975	.4946	4.934	.5062

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.5015	.4828	.4975	.4950	.4991
Stddev	.0002	.0006	.0005	.0001	.0011
%RSD	.0358	.1167	.0947	.0214	.2270

#1	.5014	.4832	.4979	.4949	.4999
#2	.5017	.4824	.4972	.4951	.4983

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11297.	164860.	36309.
Stddev	10.	496.	38.
%RSD	.09098	.30071	.10343

#1	11305.	164510.	36282.
#2	11290.	165210.	36335.

Sample Name: ccb Acquired: 8/30/2010 9:36:09 Type: Unk

Method: Alpha_2009(v1280) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0216	.0006	.0003	.0001	.0001	.0054	.0347
Stddev	.0001	.0050	.0012	.0001	.0000	.0000	.0015	.0017
%RSD	40.17	22.94	219.7	40.32	15.74	12.03	28.62	4.873

#1	.0001	.0251	.0014	.0004	.0002	.0001	.0064	.0359
#2	.0002	.0181	-.0003	.0002	.0001	.0001	.0043	.0335

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0000	.0002	.0001	.0124	-.0329	.0293	-.0002
Stddev	.0000	.0002	.0001	.0002	.0002	.0122	.0004	.0002
%RSD	76.98	1433.	54.42	279.7	1.424	37.06	1.356	74.19

#1	.0000	.0002	.0003	.0002	.0123	-.0243	.0291	-.0004
#2	.0000	-.0001	.0001	-.0001	.0125	-.0415	.0296	-.0001

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018	-.0068	.0001	.0004	.0014	.0002	.0024	.0005
Stddev	.0003	.0003	.0001	.0006	.0007	.0023	.0002	.0001
%RSD	19.20	4.930	54.94	181.8	48.55	1152.	8.207	25.80

#1	.0020	-.0070	.0002	-.0001	.0019	-.0014	.0023	.0006
#2	.0015	-.0065	.0001	.0008	.0009	.0018	.0026	.0004

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0001	-.0008	.0001	.0001
Stddev	.0000	.0001	.0002	.0002	.0000
%RSD	4.549	134.8	21.24	148.9	25.83

#1	.0002	.0000	-.0009	.0000	.0001
#2	.0002	.0001	-.0006	.0002	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11410.	166450.	35867.
Stddev	14.	82.	254.
%RSD	.11951	.04920	.70890

#1	11420.	166510.	36046.
#2	11400.	166400.	35687.

Sample Name: icsaf Acquired: 8/30/2010 9:40:36 Type: Unk

Method: Alpha_2009(v1280) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022	247.6	-.0008	-.0003	.0033	.0013	-.0006	238.5
Stddev	.0000	.6	.0016	.0000	.0000	.0000	.0013	.4
%RSD	.4169	.2449	192.7	2.819	.3032	.6179	232.3	.1621

#1	.0022	247.1	-.0019	-.0003	.0033	.0013	.0004	238.7
#2	.0022	248.0	.0003	-.0003	.0034	.0013	-.0015	238.2

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0070	.0008	.0001	93.33	.7411	228.3	.0024
Stddev	.0001	.0000	.0001	.0004	.03	.0023	.5	.0000
%RSD	3.997	.4409	17.60	593.8	.0270	.3111	.2027	.0003

#1	.0014	.0070	.0009	-.0002	93.31	.7427	228.0	.0024
#2	.0015	.0070	.0007	.0004	93.35	.7395	228.6	.0024

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066	.5256	.0094	.0047	.0038	.0004	.1626	.0034
Stddev	.0001	.0055	.0002	.0002	.0012	.0032	.0000	.0003
%RSD	1.125	1.049	2.022	5.151	31.29	887.0	.0045	7.432

#1	.0065	.5217	.0093	.0046	.0029	.0026	.1626	.0033
#2	.0066	.5295	.0096	.0049	.0046	-.0019	.1626	.0036

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0034	.0030	.0026	.0038	.0067
Stddev	.0000	.0001	.0003	.0000	.0002
%RSD	.6682	4.617	13.16	.9751	2.957

#1	.0034	.0031	.0028	.0038	.0069
#2	.0033	.0029	.0024	.0039	.0066

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	10193.	146410.	34545.
Stddev	10.	314.	66.
%RSD	.09441	.21417	.19244

#1	10200.	146630.	34592.
#2	10186.	146180.	34498.

Sample Name: icsabf Acquired: 8/30/2010 9:43:57 Type: Unk

Method: Alpha_2009(v1280) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3069	9.373	1.033	.5059	.3019	.0986	1.005	45.36
Stddev	.0009	.010	.001	.0020	.0001	.0002	.006	.13
%RSD	.3095	.1103	.1393	.3924	.0186	.2240	.6373	.2904

#1	.3075	9.366	1.032	.5045	.3019	.0985	1.001	45.27
#2	.3062	9.380	1.034	.5073	.3018	.0988	1.010	45.45

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2961	.2963	.2957	.2994	38.96	20.26	22.28	.2003
Stddev	.0005	.0004	.0028	.0003	.07	.01	.00	.0009
%RSD	.1822	.1308	.9622	.0999	.1707	.0576	.0015	.4490

#1	.2958	.2960	.2977	.2996	38.91	20.26	22.28	.1997
#2	.2965	.2965	.2937	.2992	39.01	20.27	22.28	.2009

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2995	7.873	.2870	.9797	1.007	.5144	1.229	1.004
Stddev	.0009	.004	.0005	.0032	.006	.0037	.002	.003
%RSD	.3000	.0523	.1914	.3222	.6322	.7164	.1346	.2489

#1	.2989	7.870	.2866	.9820	1.003	.5118	1.228	1.002
#2	.3002	7.876	.2874	.9775	1.012	.5170	1.230	1.006

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	1.014	.9948	.9477	.3052	.3272
Stddev	.000	.0019	.0026	.0019	.0004
%RSD	.0121	.1894	.2692	.6240	.1260

#1	1.014	.9961	.9459	.3065	.3275
#2	1.014	.9934	.9495	.3038	.3269

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	10962.	159290.	35939.
Stddev	6.	480.	52.
%RSD	.05083	.30154	.14412

#1	10958.	158950.	35976.
#2	10966.	159630.	35902.

Sample Name: crif Acquired: 8/30/2010 9:47:04 Type: Unk

Method: Alpha_2009(v1280) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0195	.4323	.0216	.0926	.0393	.0094	.0264	.3991
Stddev	.0000	.0050	.0003	.0002	.0001	.0000	.0019	.0010
%RSD	.0260	1.155	1.336	.2694	.3460	.4432	7.295	.2514

#1	.0195	.4287	.0214	.0927	.0392	.0094	.0278	.3998
#2	.0195	.4358	.0218	.0924	.0394	.0094	.0250	.3984

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097	.0964	.0182	.0469	.2410	4.689	.4319	.0284
Stddev	.0001	.0002	.0003	.0001	.0065	.043	.0030	.0004
%RSD	.6459	.2236	1.390	.2058	2.681	.9247	.6852	1.311

#1	.0097	.0965	.0183	.0469	.2456	4.658	.4298	.0282
#2	.0098	.0962	.0180	.0468	.2364	4.720	.4340	.0287

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0956	4.854	.0749	.0429	.0950	.0209	.8888	.0220
Stddev	.0001	.005	.0000	.0005	.0010	.0005	.0011	.0001
%RSD	.1484	.1101	.0199	1.250	1.020	2.581	.1190	.6737

#1	.0957	4.850	.0749	.0425	.0957	.0206	.8881	.0221
#2	.0955	4.857	.0748	.0432	.0943	.0213	.8896	.0219

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0193	.0183	.0195	.0926	.0403
Stddev	.0000	.0002	.0007	.0001	.0000
%RSD	.0051	1.324	3.541	.1388	.0490

#1	.0193	.0182	.0190	.0926	.0403
#2	.0193	.0185	.0200	.0925	.0404

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11359.	166050.	36115.
Stddev	9.	167.	7.
%RSD	.07942	.10071	.01950

#1	11352.	166170.	36119.
#2	11365.	165930.	36110.

Sample Name: crif Acquired: 8/30/2010 9:52:52 Type: Unk

Method: Alpha_2009(v1280) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0195	.4102	.0174	.0928	.0382	.0093	.0237	.3674
Stddev	.0002	.0014	.0003	.0006	.0002	.0000	.0009	.0072
%RSD	1.018	.3302	1.570	.5996	.4660	.0406	3.950	1.966

#1	.0196	.4112	.0172	.0924	.0381	.0093	.0244	.3623
#2	.0193	.4093	.0176	.0932	.0383	.0093	.0231	.3725

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097	.0957	.0183	.0462	.2230	4.635	.4135	.0284
Stddev	.0000	.0001	.0001	.0000	.0037	.019	.0019	.0000
%RSD	.0282	.0730	.2900	.0224	1.672	.4061	.4507	.1736

#1	.0097	.0957	.0184	.0462	.2257	4.648	.4148	.0284
#2	.0097	.0956	.0183	.0462	.2204	4.622	.4122	.0284

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0955	4.754	.0744	.0409	.0917	.0197	.8859	.0209
Stddev	.0001	.006	.0001	.0019	.0006	.0005	.0023	.0002
%RSD	.0802	.1280	.1600	4.621	.6705	2.608	.2574	.9479

#1	.0955	4.758	.0744	.0396	.0922	.0193	.8843	.0210
#2	.0954	4.750	.0745	.0423	.0913	.0200	.8875	.0207

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0191	.0184	.0184	.0941	.0395
Stddev	.0000	.0001	.0010	.0000	.0001
%RSD	.1489	.6603	5.339	.0003	.2317

#1	.0191	.0183	.0177	.0941	.0394
#2	.0191	.0185	.0190	.0941	.0395

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11324.	165080.	36000.
Stddev	2.	943.	231.
%RSD	.01376	.57108	.64253

#1	11325.	164410.	36164.
#2	11323.	165740.	35837.

Sample Name: ccv Acquired: 8/30/2010 9:56:04 Type: Unk

Method: Alpha_2009(v1280) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5089	.5259	.4995	.5099	.5006	.4865	.4922	.5260
Stddev	.0019	.0051	.0017	.0004	.0005	.0010	.0030	.0042
%RSD	.3773	.9607	.3374	.0739	.1043	.2092	.6026	.7959

#1	.5076	.5223	.4983	.5096	.5003	.4872	.4901	.5290
#2	.5103	.5295	.5007	.5101	.5010	.4857	.4943	.5231

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4982	.5070	.4897	.4783	.5429	5.091	.5366	.4947
Stddev	.0013	.0004	.0021	.0005	.0052	.024	.0008	.0009
%RSD	.2599	.0790	.4343	.1094	.9491	.4718	.1472	.1743

#1	.4973	.5068	.4882	.4787	.5465	5.108	.5360	.4954
#2	.4992	.5073	.4912	.4779	.5392	5.074	.5371	.4941

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4973	10.25	.4880	.4991	.4936	.4904	4.890	.5041
Stddev	.0018	.05	.0009	.0006	.0016	.0000	.000	.0015
%RSD	.3669	.5245	.1756	.1221	.3286	.0081	.0029	.3015

#1	.4960	10.29	.4874	.4995	.4925	.4904	4.890	.5030
#2	.4985	10.21	.4886	.4986	.4948	.4904	4.890	.5052

Elem	Sr4215	Ti3349A	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.5044	.4775	.4892	.5004	.4969
Stddev	.0013	.0003	.0036	.0031	.0012
%RSD	.2535	.0662	.7383	.6121	.2441

#1	.5035	.4773	.4866	.4982	.4960
#2	.5053	.4777	.4917	.5026	.4978

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11314.	164440.	36020.
Stddev	30.	665.	58.
%RSD	.26520	.40464	.16203

#1	11335.	164910.	36061.
#2	11292.	163970.	35978.

Sample Name: ccb Acquired: 8/30/2010 9:59:12 Type: Unk

Method: Alpha_2009(v1280) Mode: CONC Corr. Factor: 1.000000

User: ai Custom ID1: wg429990 Custom ID2: Trace 4 Custom ID3:

Comment:

Elem	Ag3280	Al3961	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3158
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0069	.0017	.0001	.0001	.0000	.0062	.0115
Stddev	.0001	.0006	.0002	.0001	.0000	.000	.0021	.0032
%RSD	39.12	9.345	8.916	48.39	26.01	328.7	33.53	27.89

#1	.0002	.0074	.0016	.0001	.0001	-.0001	.0077	.0138
#2	.0003	.0065	.0018	.0002	.0001	.0000	.0048	.0092

Elem	Cd2144	Co2286	Cr2677	Cu3247	Fe2599	K_7664	Mg2790	Mn2576R
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0001	.0001	-.0004	.0012	-.0308	.0076	-.0001
Stddev	.000	.0001	.0003	.0001	.0007	.0016	.0005	.0004
%RSD	25.06	112.9	392.3	27.33	58.21	5.122	6.309	530.7

#1	.0000	.0000	.0003	-.0003	.0017	-.0319	.0080	.0002
#2	.0000	-.0001	-.0002	-.0005	.0007	-.0297	.0073	-.0003

Elem	Mo2020	Na5895	Ni2316	Pb2203	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	-.0043	.0001	.0008	.0015	.0012	-.0001	.0009
Stddev	.0003	.0020	.0001	.0001	.0011	.0030	.0003	.0000
%RSD	20.09	45.35	43.48	11.12	72.95	241.6	531.7	5.352

#1	.0017	-.0057	.0001	.0009	.0023	-.0009	.0002	.0009
#2	.0013	-.0030	.0002	.0008	.0007	.0034	-.0003	.0009

Elem	Sr4215	Ti3349A	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0001	-.0010	-.0003	.0002
Stddev	.0001	.0000	.0004	.0001	.0000
%RSD	124.2	21.51	42.95	41.28	26.22

#1	.0001	.0001	-.0012	-.0004	.0002
#2	.0000	.0002	-.0007	-.0002	.0002

Int. Std.	Y_2243	Y_3600	Y_3710
Units	Cts/S	Cts/S	Cts/S
Avg	11386.	166030.	36152.
Stddev	3.	1028.	16.
%RSD	.02576	.61940	.04378

#1	11388.	166750.	36141.
#2	11384.	165300.	36163.

QC True Values: Trace 2

	Element	True Value (mg/L)		Element	True Value (mg/L)
ICV/CCV	Al	0.50	CRI	Al	0.40
	K	5.0		Sb	0.10
	Na	10.0		As	0.02
ICSA				Ba	0.04
	Al	250		Be	0.01
	Ca	250		Cd	0.01
	Fe	100		Ca	0.40
	Mg	250		Cr	0.02
ICSB				Co	0.10
	Al	9.00		Cu	0.05
	Sb	1.00		Fe	0.20
	As	1.00		Pb	0.045
	Ba	0.30		Mg	0.40
	Be	0.10		Mn	0.03
	Cd	0.30		Mo	0.10
	Ca	45.00		Ni	0.08
	Cr	0.30		K	5.00
	Co	0.30		Se	0.02
	Cu	0.30		Ag	0.02
	Fe	37.50		Na	5.00
	Pb	1.00		Tl	0.02
	Mg	22.50		V	0.10
	Mn	0.20		Zn	0.04
	Mo	0.30			
	Ni	0.30			
	K	20.00			
	Se	0.50			
	Ag	0.30			
	Na	7.50			
	Tl	1.00			
	V	0.30			
	Zn	0.30			

QC True Values: Trace 3

	Element	True Value (mg/L)		Element	True Value (mg/L)
ICV/CCV	Al	0.50	CRI	Al	0.40
	K	5.0		Sb	0.10
	Si	5.25		As	0.02
	Na	10.0		Ba	0.04
ICSA				Be	0.01
	Al	250		Bi	0.02
	Ca	250		B	0.10
	Fe	100		Cd	0.01
ICSB	Mg	250		Ca	0.40
				Cr	0.02
	Al	9.00		Co	0.10
	Sb	1.00		Cu	0.05
	As	1.00		Fe	0.20
	Ba	0.30		Pb	0.045
	Be	0.10		Mg	0.40
	Bi	1.00		Mn	0.03
	B	0.50		Mo	0.10
	Cd	0.30		Ni	0.08
	Ca	45.00		K	5.00
	Cr	0.30		Se	0.02
	Co	0.30		Si	1.00
	Cu	0.30		Ag	0.02
	Fe	37.50		Na	5.00
	Pb	1.00		Sr	0.02
	Mg	22.50		Tl	0.02
	Mn	0.20		Sn	0.02
	Mo	0.30		Ti	0.04
	Ni	0.30		V	0.10
	K	20.00		Zn	0.04
	Se	0.50			
	Si	1.23			
	Ag	0.30			
	Na	7.50			
	Sr	1.00			
	Tl	1.00			
	Sn	1.00			
	Ti	1.00			
	V	0.30			
	Zn	0.30			

QC True Values: Trace 4

	Element	True Value (mg/L)		Element	True Value (mg/L)
ICV/CCV	Al	0.50	CRI	Al	0.40
	K	5.0		Sb	0.10
	Si	5.25		As	0.02
	Na	10.0		Ba	0.04
ICSA				Be	0.01
	Al	250		Bi	0.02
	Ca	250		B	0.10
	Fe	100		Cd	0.01
ICSB	Mg	250		Ca	0.40
				Cr	0.02
	Al	9.00		Co	0.10
	Sb	1.00		Cu	0.05
	As	1.00		Fe	0.20
	Ba	0.30		Pb	0.045
	Be	0.10		Mg	0.40
	Bi	1.00		Mn	0.03
	B	0.50		Mo	0.10
	Cd	0.30		Ni	0.08
	Ca	45.00		K	5.00
	Cr	0.30		Se	0.02
	Co	0.30		Si	1.00
	Cu	0.30		Ag	0.02
	Fe	37.50		Na	5.00
	Pb	1.00		Sr	0.02
	Mg	22.50		Tl	0.02
	Mn	0.20		Sn	0.02
	Mo	0.30		Ti	0.04
	Ni	0.30		V	0.10
	K	20.00		Zn	0.04
	Se	0.50			
	Si	1.23			
	Ag	0.30			
	Na	7.50			
	Sr	1.00			
	Tl	1.00			
	Sn	1.00			
	Ti	1.00			
	V	0.30			
	Zn	0.30			

LCS & MS Spike Concentrations

Element	Liquid concentrations (mg/L)	Soil concentrations (mg/kg)
Al	2.00	100
Sb	0.50	25.0
As	0.12	6.0
Ba	2.00	100
Be	0.05	2.5
Bi	1.00	50.0
B	1.00	50.0
Cd	0.05	2.55
Ca	10.00	500
Cr	0.20	10.0
Co	0.50	25.0
Cu	0.25	12.5
Fe	1.00	50.0
Pb	0.51	25.5
Mg	10.00	500
Mn	0.50	25.0
Mo	1.00	50.0
Ni	0.50	25.0
K	10.00	500
Se	0.12	6.0
Si	1.00	50.0
Ag	0.05	2.5
Na	10.00	500
Sr	1.00	50.0
Tl	0.12	6.0
Sn	1.00	50.0
Ti	1.00	50.0
V	0.50	25.0
Zn	0.50	25.0

Calculation of 6010B Metals

Aqueous Samples

The instrument will calculate the concentration ($\mu\text{g/L}$). This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = C_s \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

Where:

C_s = Concentration of sample ($\mu\text{g/L}$)

DF = Dilution Factor

Soil or Solid Samples

Soil samples are calculated as follows:

$$\text{Result, mg/Kg} = \frac{C_s \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})}{A}$$

Where:

C_s = Concentration of sample ($\mu\text{g/L}$)

DF = Dilution Factor

$$A = \frac{\text{Sample weight (grams)}}{\text{Final Volume (mL)}}$$

Dry weight correction

Dry weight correction is calculated as follows:

$$\text{Final concentration in mg/Kg, dry weight} = \frac{\text{Result, mg/Kg}}{\%_{\text{solids}}}$$

Where:

$\%_{\text{solids}}$ = Percent Solids, as a decimal value

	Pos ID	Rack	Row	Col	Type	Samplename
1	1	1	1	1	Unk	icv
2	2	1	2	1	Unk	icb
3	3	1	3	1	Unk	icsai
4	4	1	4	1	Unk	icsabi
5	5	1	5	1	Unk	crii
6	6	1	6	1	Unk	0.0025ppm
7	7	1	7	1	Unk	0.005ppm
8	8	1	8	1	Unk	0.010ppm
9	9	1	9	1	Unk	0.050ppm
10	10	1	10	1	Unk	ccv
11	11	1	11	1	Unk	ccb
12	12	1	12	1	Unk	wg429467-1,t
13	13	1	1	2	Unk	wg429467-2,t
14	14	1	2	2	Unk	I1013017-01,t
15	15	1	3	2	Unk	wg429467-3,t
16	16	1	4	2	Unk	wg429467-4,t
17	17	1	5	2	Unk	wg429467-6,t
18	18	1	6	2	Unk	wg429467-5,t,5
19	19	1	7	2	Unk	ccv
20	20	1	8	2	Unk	ccb
21	21	1	9	2	Unk	icsaf
22	22	1	10	2	Unk	icsabf
23	23	1	11	2	Unk	crif
24	24	1	12	2	Unk	ccv
25	25	1	1	3	Unk	ccb
26	26	1	2	3	Unk	wg429230-1,t
27	27	1	3	3	Unk	wg429230-2,t
28	28	1	4	3	Unk	I1013003-02,t
29	29	1	5	3	Unk	wg429230-3,t
30	30	1	6	3	Unk	wg429230-4,t
31	31	1	7	3	Unk	I3003-02-ps
32	32	1	8	3	Unk	I1013014-02,t
33	33	1	9	3	Unk	I1012986-02,t
34	34	1	10	3	Unk	I1013003-04,t
35	35	1	11	3	Unk	I1013014-01,t
36	36	1	12	3	Unk	ccv
37	37	1	1	4	Unk	ccb
38	38	1	2	4	Unk	I1012986-04,t
39	39	1	3	4	Unk	I1012986-05,t
40	40	1	4	4	Unk	I1012986-06,t
41	41	1	5	4	Unk	I1012990-01,t
42	42	1	6	4	Unk	I1012990-02,t
43	43	1	7	4	Unk	wg429139-1,s
44	44	1	8	4	Unk	wg429139-2,s
45	45	1	9	4	Unk	wg429139-3,s
46	46	1	10	4	Unk	I1013027-01,s
47	47	1	11	4	Unk	wg429139-4,s,5
48	48	1	12	4	Unk	ccv
49	49	1	1	5	Unk	ccb
50	50	1	2	5	Unk	wg429139-5,s
51	51	1	3	5	Unk	I1013027-02,s
52	52	1	4	5	Unk	wg429962-1,t
53	53	1	5	5	Unk	wg429962-2,t
54	54	1	6	5	Unk	I1013149-01,t,10
55	55	1	7	5	Unk	wg429962-3,t,10
56	56	1	8	5	Unk	wg429962-4,t,10
57	57	1	9	5	Unk	I3149-01-ps (10X)
58	58	1	10	5	Unk	I1013214-01,t,10
59	59	1	11	5	Unk	I1013214-02,t,10
60	60	1	12	5	Unk	ccv
61	61	2	1	1	Unk	ccb
62	62	2	2	1	Unk	wg429677-1,t
63	63	2	3	1	Unk	wg429677-2,t

Analysis: Metals (ICP-ICP/MS) Aqueous

Technique: Hot Block Digestion

Date: 8/25/2010

Block ID: 3

Analyst: KR

on: 18:15

Time off: 21:15

Temp °C: 96°C

 Method(s): MET-T ; 6020S / 13114.2ms + LCS +
 CT-6010T LCSD 50mL 1000ppm
 Si Lot: K00574

Transferred to Analytical

Date: 8-25-2010 Initials: KR

 Type: HNO_3
 49225

 Acid Type: N/A
 Lot #:

 MS/LCS = 0.5mL IPS
 Lot #: 072110

 MS/LCS = 0.5mL FPS
 Lot #: 072110

 MS/LCS = 0.5mL Mixed Std
 Lot #: 082010

Sample ID	Digestion					Final Volume (mL)	Comment
	pH <2	Sample Volume (mL)	Acid Name: HNO_3 Acid Volume (mL)	Color	Clarity		
1013114.1	N/A	50	2.5	yellow	clear	50	WG429466
KR 12 Hd				clear			R422486
2d				↓	↓		
2ms				↓	↓		WG429467
1013064.1				yellow	↓		R422487
12				↓	↓		
1013017.1				brown clear	murky		WG429468
1d				↓	↓		R422488
1ms				↓	↓		
1013090.1				clear	clear		WG429469
12				↓	↓		R422489
13							
14							
15							
16							
17							
1013111.2							
12d							
12ms							
13							
14				↓	↓		
15				yellow	↓		
PBW				clear	clear		
LCS				↓	↓		
LCSD				↓	↓		
1013090.4d				↓	↓		
4ms	↓	↓	↓	↓	↓	↓	

Inorganic Data (ICPMS Analysis)

U.S. EPA - CLP
1-IN
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Matrix (soil/water): WATER

Lab Sample ID: L1013017-01

Date Received: 08/23/10

% Solids: N/A

Date Analyzed: 8/28/10 1:18

Concentration Units: mg/l

CAS No.	Analyte	Concentration	C		
7429-90-5	Aluminum				
7440-36-0	Antimony	0.0007			
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium	0.0005	U		
7440-43-9	Cadmium				
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury				
7439-98-7	Molybdenum				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-24-6	Strontium				
7440-28-0	Thallium	0.0005	U		
7440-62-2	Vanadium				
7440-66-6	Zinc				
7440-31-5	Tin				
7440-42-8	Boron				
57-12-5	Cyanide				
END					

Comments:

U.S. EPA - CLP
2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Concentration Units: mg/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									
Antimony	0.05	0.0495	99	0.05	0.0504	101	0.051	101	
Arsenic									
Barium									
Beryllium	0.05	0.05030	101	0.05	0.04885	98	0.050	100	
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium	0.05	0.0491	98	0.05	0.0468	94	0.047	95	
Vanadium									
Zinc									
Tin									
Boron									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 80-120; Cyanide 85-115

U.S. EPA - CLP
2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Concentration Units: mg/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									
Antimony				0.05	0.0470	94			
Arsenic									
Barium									
Beryllium				0.05	0.04869	97			
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium				0.05	0.0450	90			
Vanadium									
Zinc									
Tin									
Boron									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 80-120; Cyanide 85-115

U.S. EPA - CLP
3-IN
BLANKS

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units: mg/l

Analyte	Initial Calibration Blank(mg/L)		Continuing Calibration Blank (mg/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum											
Antimony	0.00012	U	0.00012	U	0.00013	J	0.00012	U	0.0005	U	
Arsenic											
Barium											
Beryllium	0.000059	U	0.000059	U	0.000059	U	0.000059	U	0.0005	U	
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury											
Molybdenum											
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Strontium											
Thallium	0.000031	U	0.000031	U	0.000031	U	0.000031	U	0.0005	U	
Vanadium											
Zinc											
Tin											
Boron											
Cyanide											

U.S. EPA - CLP
4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

ICP-AES Instrument ID: ICPMS

Concentration Units: mg/l

Analyte	True		Initial Found				Final Found			
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum										
Antimony			0.00025		0.00022					
Arsenic										
Barium										
Beryllium			0.00001		0					
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead										
Magnesium										
Manganese										
Mercury										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium			0.00079		0.00076					
Vanadium										
Zinc										
Tin										
Boron										

U.S. EPA - CLP
5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

WC-001 PZ-BS

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Matrix (soil/water): WATER

% Solids for Sample: N/A

Concentration Units: mg/l

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA) C	%R		
Aluminum							
Antimony	80-120	0.3739	0.0007	0.5	75		
Arsenic							
Barium							
Beryllium	80-120	0.0470	0.0005	U 0.05	94		
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead							
Magnesium							
Manganese							
Mercury							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium	80-120	0.1033	0.0005	U 0.12	86		
Vanadium							
Zinc							
Tin							
Boron							
Cyanide							

Comments:

U.S. EPA - CLP
5B-IN
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

WC-001 PZ-BPS

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Matrix (soil/water): WATER

% Solids for Sample: N/A

Concentration Units: mg/l

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA) C	%R		
Aluminum							
Antimony	75-125	0.0062	0.0007	0.005	110		
Arsenic							
Barium							
Beryllium	75-125	0.0056	0.0005	U 0.005	112		
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead							
Magnesium							
Manganese							
Mercury							
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium	75-125	0.0052	0.0005	U 0.005	104		
Vanadium							
Zinc							
Tin							
Boron							
Cyanide							

Comments:

U.S. EPA - CLP
6-IN
DUPLICATES

EPA SAMPLE NO.

WC-001 PZ-BD

Lab Name: Alpha Analytical

Lab Code: AAL Case No.:

Matrix (soil/water): WATER

% Solids for Sample: N/A

% Solids for Duplicate: N/A

Concentration Units: mg/l

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD		
Aluminum						
Antimony	20	0.0007		0.0005	U	NC
Arsenic						
Barium						
Beryllium	20	0.0005	U	0.0005	U	NC
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Mercury						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium	20	0.0005	U	0.0005	U	NC
Vanadium						
Zinc						
Tin						
Boron						
Cyanide						

U.S. EPA - CLP
7-IN
LABORATORY CONTROL SAMPLE

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017
WATER

Analyte	Aqueous (mg/L)				Solid (mg/kg)				
	True	Found	%R	Limits	True	Found	C	Limits	%R
Aluminum									
Antimony	0.5	0.4660	93	80-120					
Arsenic									
Barium									
Beryllium	0.05	0.04840	97	80-120					
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium	0.12	0.1098	92	80-120					
Vanadium									
Zinc									
Tin									
Boron									
Cyanide									

U.S. EPA - CLP
12-IN
PREPARATION LOG

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Preparation Method: EPA 3005A

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
L1013017-01	08/26/10		50
WG429675-1	08/26/10		50
WG429675-2	08/26/10		50
WG429675-3	08/26/10		50
WG429675-4	08/26/10		50
WG429675-5	08/26/10		50
WG429675-6	08/26/10		50

FORM XII-IN

ILM05.0

U.S. EPA - CLP
13-IN
Analysis Run Log

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Instrument ID: ICPMS Analysis Method: 6020

Start Date: 08/27/10 End Date: 08/28/10

Lab Sample ID	D/F	Time	Analytes																									
			A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	M O	N I	K	S E	A G	N A	S R	T L	V	Z N	S N
ICV	1	23:11		X			X																		X			
ICB	1	23:17		X			X																		X			
ICSA	1	23:23		X			X																		X			
ICSAB	1	23:29		X			X																		X			
WG429675-1	1	0:05		X			X																		X			
CCV	1	0:18		X			X																		X			
CCB	1	0:24		X			X																		X			
WG429675-2	4	1:06		X			X																		X			
WG429675-5	5	1:12																										
L1013017-01	1	1:18		X			X																		X			
WG429675-3	1	1:24		X			X																		X			
CCV	1	1:30		X			X																		X			
CCB	1	1:36		X			X																		X			
WG429675-4	4	1:42		X			X																		X			
WG429675-6	1	1:48		X			X																		X			
CCV	1	2:43		X			X																		X			
CCB	1	2:49		X			X																		X			

FORM XIII-IN

ILM02.0

U.S. EPA - CLP
14-IN
ICP-MS TUNE

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

ICP-MS Instrument ICPMS

Date: 08/27/10

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at 10% Peak Height (amu)	%RSD
⁷ Li	6.95	0.800	1.88
⁸⁹ Y	89.00	0.7500	1.43
²⁰⁵ Tl	205.00	0.700	1.55

Comments:

U.S. EPA - CLP
15-IN
ICP-MS Internal Standards Relative Intensity Summary

Lab Name: Alpha Analytical SDG No.: L1013017

Lab Code: AAL

ICP Instrument ID: ICPMS Start Date: 8/27/2010 End Date: 8/28/2010

EPA Sample No.	Time	Internal Standards %RI For:											
		Lithium	Q	Scandium	Q	Germanium	Q	Indium	Q	Bismuth	Q		Q
ICV	23:11	97		100		98		99		97			
ICB	23:17	97		100		99		102		99			
ICSA	23:23	80		89		85		84		80			
ICSAB	23:29	78		84		81		77		76			
WG429675-1	0:05	89		87		85		87		87			
CCV	0:18	84		86		84		82		84			
CCB	0:24	86		85		85		86		87			
WG429675-2	1:06	89		88		86		89		88			
WG429675-5	1:12	92		94		90		93		92			
L1013017-01	1:18	84		88		85		83		84			
WG429675-3	1:24	84		91		87		87		85			
CCV	1:30	82		85		83		83		83			
CCB	1:36	87		86		85		85		86			
WG429675-4	1:42	86		92		87		89		88			
WG429675-6	1:48	85		88		85		83		82			
CCV	2:43	88		92		89		91		90			
CCB	2:49	90		91		88		90		89			

FORM XV-IN

ILM05.0

ILM05.0

Determination of Method Detection Limits

Alpha Analytical Inc.
Westborough, MA

Approved

Page 1 of 1

Analyst: BM, RC
Date: 2/17-19, 4/30, 5/13/2009
Instrument ID: ICP-MS
Prep Method: EPA 3005A
Prepared by: BM, EB, EZ

Method: EPA 6020 / 200.8

2009

ICP-MS HOT BLOCK DIGESTION Liquid

Table (MDL)			Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	T value used for calculating MDL: 3.143					
			Date Anayl.	2/17/2009	2/17/2009	2/17/2009	2/18/2009	2/18/2009	2/18/2009	2/19/2009						
No.	Analytes	Mass	Target Conc. (ug/L)	Rep-1 (ug/L)	Rep-2 (ug/L)	Rep-3 (ug/L)	Rep-4 (ug/L)	Rep-5 (ug/L)	Rep-6 (ug/L)	Rep-7 (ug/L)	Mean (ug/L)	Mean Accuracy	Standard Deviation	Calc.MDL (ug/L)	Current RL (ug/L)	Comments
1	Copper	65	0.50	0.57	0.56	0.51	0.53	0.54	0.52	0.62	0.55	110%	0.0374	0.118	0.50	

Table (MDL)			Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	T value used					
			Date Anayl.	2/17/2009	2/17/2009	2/17/2009	2/18/2009	2/18/2009	2/19/2009	2/19/2009	for calculating MDL: 3.143					
No.	Analytes	Mass	Target Conc. (ug/L)	Rep-1 (ug/L)	Rep-2 (ug/L)	Rep-3 (ug/L)	Rep-4 (ug/L)	Rep-5 (ug/L)	Rep-6 (ug/L)	Rep-7 (ug/L)	Mean (ug/L)	Mean Accuracy	Standard Deviation	Calc.MDL (ug/L)	Current RL (ug/L)	Comment
2	Selenium	82	1.00	0.94	0.94	0.80	1.10	1.05	0.73	0.93	0.93	93%	0.1293	0.406	1.00	

Table (MDL)			Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	mdl08	T value used					
			Date Anayl.	2/17/2009	2/17/2009	2/17/2009	2/18/2009	2/18/2009	2/18/2009	2/19/2009	2/19/2009	for calculating MDL: 2.896					
No.	Analytes	Mass	Target Conc. (ug/L)	Rep-1 (ug/L)	Rep-2 (ug/L)	Rep-3 (ug/L)	Rep-4 (ug/L)	Rep-5 (ug/L)	Rep-6 (ug/L)	Rep-7 (ug/L)	Rep-8 (ug/L)	Mean (ug/L)	Mean Accuracy	Standard Deviation	Calc.MDL (ug/L)	Current RL (ug/L)	Comments
3	Beryllium	9	0.10	0.11	0.10	0.09	0.12	0.08	0.10	0.13	0.14	0.11	109%	0.0203	0.059	0.50	
4	Magnesium	24	10.00	7.62	7.44	7.09	9.01	9.04	8.48	10.58	10.92	8.77	88%	1.4156	4.100	100.00	
5	Aluminum	27	10.00	10.25	10.28	9.88	11.17	11.12	10.45	11.56	11.63	10.79	108%	0.6598	1.911	10.00	
6	Potassium	39	10.00	2.06	0.96	2.57	14.07	15.52	8.70	14.24	14.04	9.02	90%	6.2714	18.162	100.00	
7	Calcium	44	100.00	105.80	105.40	104.60	108.20	113.90	103.70	112.00	114.20	108.23	108%	4.3709	12.658	100.00	
8	Vanadium	51	0.50	0.53	0.50	0.48	0.49	0.54	0.48	0.53	0.54	0.51	102%	0.0264	0.077	0.50	
9	Iron	57	25.00	24.58	24.97	23.99	30.95	31.16	25.31	27.38	29.08	27.18	109%	2.3037	8.409	50.00	
10	Cobalt	59	0.10	0.09	0.09	0.10	0.12	0.12	0.11	0.14	0.13	0.11	113%	0.0183	0.053	0.50	
11	Nickel	60	1.00	0.96	0.95	0.97	0.96	1.07	0.97	1.02	1.12	1.00	100%	0.0623	0.180	0.50	
12	Cadmium	111	0.20	0.18	0.19	0.19	0.22	0.22	0.20	0.22	0.24	0.21	104%	0.0205	0.059	0.50	
13	Barium	137	0.20	0.27	0.22	0.19	0.23	0.2	0.20	0.26	0.27	0.23	115%	0.0330	0.095	0.50	
14	Thallium	205	0.10	0.10	0.09	0.09	0.10	0.11	0.11	0.11	0.12	0.10	104%	0.0106	0.031	0.50	
15	Lead	206	0.20	0.20	0.19	0.20	0.20	0.22	0.21	0.23	0.24	0.21	106%	0.0173	0.050	0.50	

Table (MDL)			Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	mdl08	mdl09	mdl10	mdl11	T value used for calculating MDL: 2.764						
No.	Analytes	Mass	Date Anayl.	Target Conc. (ug/L)	Rep-1 (ug/L)	Rep-2 (ug/L)	Rep-3 (ug/L)	Rep-4 (ug/L)	Rep-5 (ug/L)	Rep-6 (ug/L)	Rep-7 (ug/L)	Rep-8 (ug/L)	Rep-9 (ug/L)	Rep-10 (ug/L)	Rep-11 (ug/L)	Mean (ug/L)	Mean Accuracy	Standard Deviation	Calc.MDL (ug/L)	Current RL (ug/L)	Comments
16	Sodium	23	2/17/2009	100.00	122.20	121.70	120.10	115.40	118.00	112.50	106.20	111.10	105.60	109.90	104.10	113.35	113%	6.5869	18.206	100.00	
17	Chromium	52		0.50		0.62	0.67	0.56	0.68	0.60	0.48	0.55	0.52	0.53	0.52	0.57	115%	0.0672	0.186		0.50
18	Manganese	55		1.00	1.10	1.12		1.20	1.21	1.10	1.16	1.23	1.10	1.13	1.13	1.15	115%	0.0492	0.136		0.50

Table (MDL)			Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	mdl08	mdl09	mdl10	mdl11	T value used for calculating MDL: 2.764						
No.	Analytes	Mass	Date Anayl.	Target Conc. (ug/L)	Rep-2 (ug/L)	Rep-3 (ug/L)	Rep-4 (ug/L)	Rep-5 (ug/L)	Rep-6 (ug/L)	Rep-7 (ug/L)	Rep-8 (ug/L)	Rep-9 (ug/L)	Rep-10 (ug/L)	Rep-11 (ug/L)	Mean (ug/L)	Mean Accuracy	Standard Deviation	Calc.MDL (ug/L)	Current RL (ug/L)	Comments	
19	Zinc	66	2/17/2009	5.00	5.84	6.40	5.71	5.95	6.43	5.55	5.82	6.38	4.87	4.98	4.90	5.71	114%	0.5878	1.625	5.00	
20	Silver	107	2/17/2009	0.20	0.26	0.24	0.25	0.27	0.27	0.26	0.21	0.22	0.19	0.21	0.19	0.23	117%	0.0307	0.085	0.50	
21	Arsenic	75	2/17/2009	0.20	0.11	0.16	0.09	0.16	0.21	0.17	0.17	0.16	0.21	0.21	0.21	0.17	85%	0.0409	0.113	0.50	

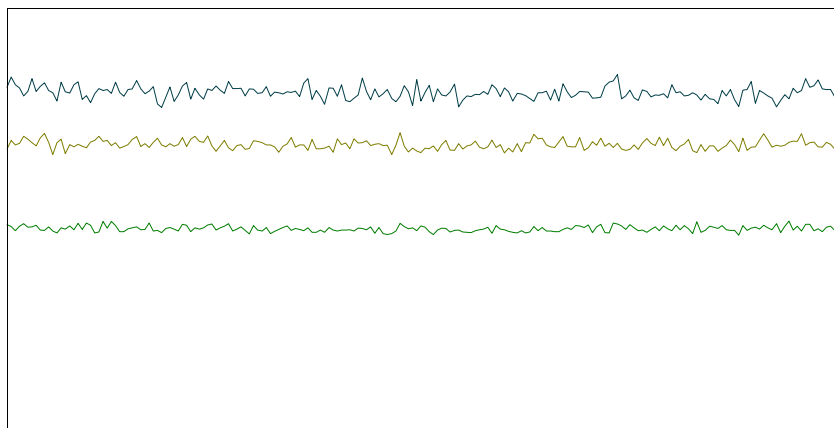
Table (MDL)			Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	mdl08	mdl09	mdl10	mdl11	T value used for calculating MDL: 2.764					
			Date Anayl.	2/17/2009	2/17/2009	2/17/2009	2/18/2009	2/18/2009	2/19/2009	2/19/2009	2/19/2009	5/13/2009	5/13/2009	5/13/2009	Mean (ug/L)	Mean Accuracy	Standard Deviation	Calc.MDL (ug/L)	Current RL (ug/L)	Comment
No.	Analytes	Mass	Target Conc. (ug/L)	Rep-1 (ug/L)	Rep-2 (ug/L)	Rep-3 (ug/L)	Rep-4 (ug/L)	Rep-5 (ug/L)	Rep-6 (ug/L)	Rep-7 (ug/L)	Rep-8 (ug/L)	Rep-9 (ug/L)	Rep-10 (ug/L)	Rep-11 (ug/L)						
22	Molybdenum	98	1.00	0.93	0.96	0.88	1.00	0.99	0.98	1.15	1.24	1.1000	1.1900	1.1600	1.05	105%	0.1194	0.330	1.0000	

Table (MDL)			Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	mdl08	mdl09	mdl10	mdl11	mdl12	mdl13	mdl14	T value used for calculating MDL: 2.65					
			Date Anayl.	2/17/2009	2/17/2009	2/17/2009	2/18/2009	2/18/2009	2/18/2009	2/18/2009	2/19/2009	2/19/2009	2/18/2009	2/19/2009	2/19/2009	2/18/2009	2/19/2009	2/19/2009	Mean (ug/L)	Mean Accuracy	Standard Deviation	Calc.MDL (ug/L)	Current RL (ug/L)
No.	Analytes	Mass	Target Conc. (ug/L)	Rep-1 (ug/L)	Rep-2 (ug/L)	Rep-3 (ug/L)	Rep-4 (ug/L)	Rep-5 (ug/L)	Rep-6 (ug/L)	Rep-7 (ug/L)	Rep-8 (ug/L)	Rep-9 (ug/L)	Rep-10 (ug/L)	Rep-11 (ug/L)	Rep-12 (ug/L)	Rep-13 (ug/L)	Rep-14 (ug/L)						
23	Antimony	121	0.20	0.24	0.28	0.26	0.24	0.28	0.26	0.28	0.28	0.18	0.16	0.18	0.19	0.19	0.19	0.23	115%	0.0453	0.120	0.50	

Comments

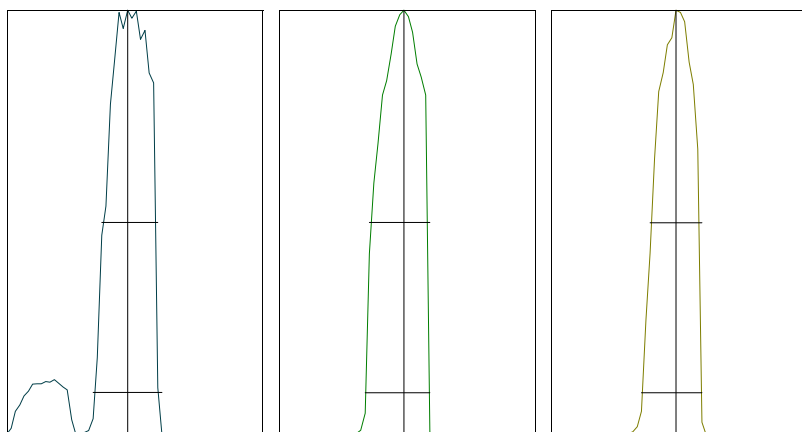
Tune Report

Tune File : Autotune.u
Comment :



Integration Time: 0.1000 sec
Sampling Period: 0.3100 sec
n: 200
Oxide: 156/140 0.478%
Doubly Charged: 70/140 1.201%

m/z	Range	Count	Mean	RSD%	Background
7	20,000	16132.0	16042.6	1.88	6.20
89	50,000	23938.0	24076.7	1.43	4.10
205	20,000	13628.0	13589.2	1.55	8.20



m/z:	7	89	205
Height:	16,145	23,923	13,777
Axis:	6.95	89.00	205.00
W-50%:	0.65	0.70	0.60
W-10%:	0.800	0.7500	0.700

Integration Time: 0.1000 sec
Acquisition Time: 22.7600 sec

Y axis : Linear

Tune Report

Tune File : Autotune.u
Comment :

Tuning Parameters

===Plasma Condition===

RF Power : 1440 W
RF Matching : 1.6 V
Smpl Depth : 7.2 mm
Torch-H : 1 mm
Torch-V : 0.1 mm
Carrier Gas : 1.19 L/min
Makeup Gas : 0 L/min
Optional Gas : --- %
Nebulizer Pump : 0.1 rps
Sample Pump : --- rps
S/C Temp : 2 degC

===Ion Lenses===

Extract 1 : -150 V
Extract 2 : -110 V
Einzel 1,3 : -35 V
Einzel 2 : 13 V
Omega Bias : -35 V
Omega (+) : 6 V
Omega (-) : 6 V
QP Focus : 6 V
Plate Bias : 0.5 V

===Q-Pole Parameters===

AMU Gain : 128
AMU Offset : 125
Axis Gain : 1.0001
Axis Offset : -0.08
QP Bias : 0.5 V

===Detector Parameters===

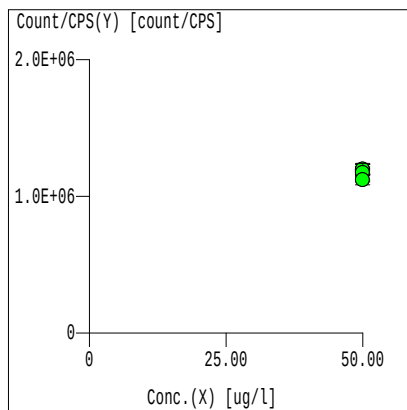
Discriminator : 8 mV
Analog HV : 1620 V
Pulse HV : 1120 V

=== Graph Detail ===

Step Mass Element
(1) 6 Li

ISTD

Unit
ug/l



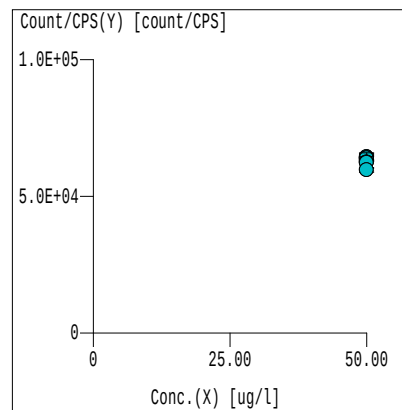
Curve Fit: Excluded
 $r = 0.0000$

DL = --- ug/l
BEC = --- ug/l

Step Mass Element
(1) 7 Li

ISTD

Unit
ug/l



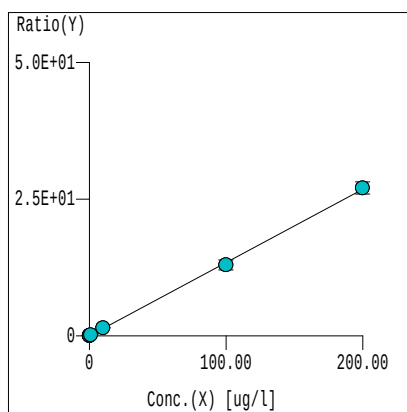
Curve Fit: Excluded
 $r = 0.0000$

DL = --- ug/l
BEC = --- ug/l

Step Mass Element
(1) 9 Be

ISTD
6

Unit
ug/l

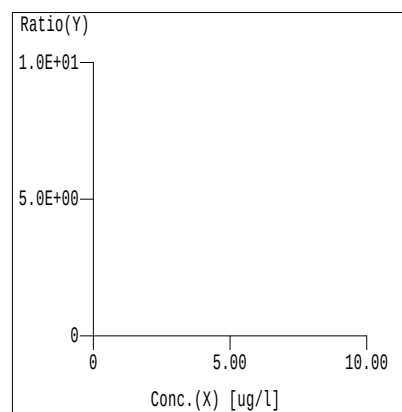


Curve Fit: $Y=aX+[blank]$
 $r = 0.9998$
 $Y = 1.340E-001 \cdot X + 6.419E-004$
 $X = 7.462E+000 \cdot Y - 4.790E-003$
DL = 9.766E-03 ug/l
BEC = 4.790E-03 ug/l

Step Mass Element
(1) 11 B

ISTD
6

Unit
ug/l



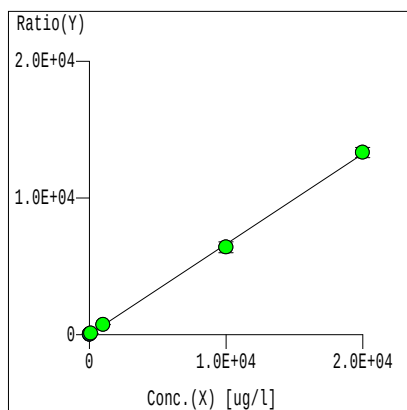
Curve Fit: $Y=aX+[blank]$
 $r = 0.0000$

DL = --- ug/l
BEC = --- ug/l

Step Mass Element
(1) 23 Na

ISTD
6

Unit
ug/l

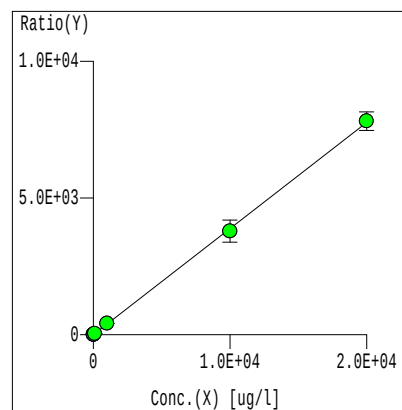


Curve Fit: $Y=aX+[blank]$
 $r = 0.9998$
 $Y = 6.600E-001 \cdot X + 1.900E+001$
 $X = 1.515E+000 \cdot Y - 2.878E+001$
DL = 2.723 ug/l
BEC = 28.78 ug/l

Step Mass Element
(1) 24 Mg

ISTD
45

Unit
ug/l



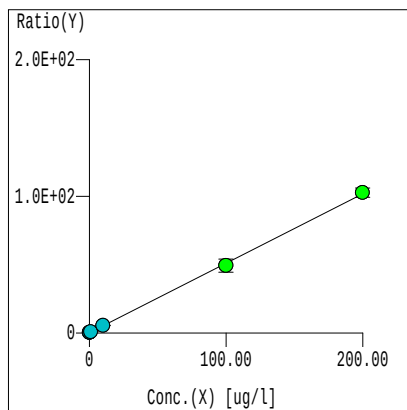
Curve Fit: $Y=aX+[blank]$
 $r = 0.9999$
 $Y = 3.882E-001 \cdot X + 3.388E-002$
 $X = 2.576E+000 \cdot Y - 8.727E-002$
DL = 6.781E-02 ug/l
BEC = 8.727E-02 ug/l

=== Graph Detail ===

Step Mass Element
(1) 27 Al

ISTD
45

Unit
ug/l

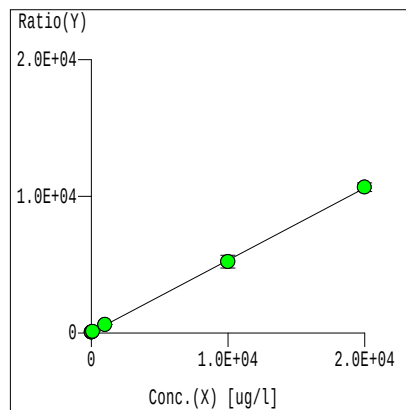


Curve Fit: $Y=aX+[blank]$
 $r = 0.9998$
 $Y = 5.079E-001 \cdot X + 2.303E-001$
 $X = 1.969E+000 \cdot Y - 4.535E-001$
 $DL = 1.023E-01 \text{ ug/l}$
 $BEC = 4.535E-01 \text{ ug/l}$

Step Mass Element
(1) 39 K

ISTD
45

Unit
ug/l

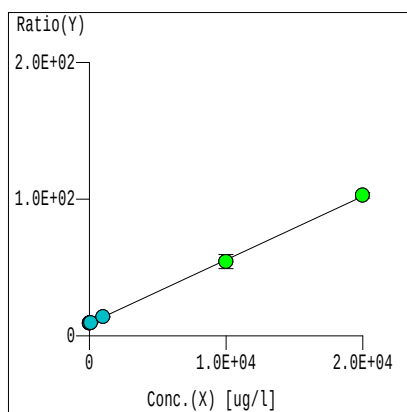


Curve Fit: $Y=aX+[blank]$
 $r = 0.9999$
 $Y = 5.280E-001 \cdot X + 4.853E+001$
 $X = 1.894E+000 \cdot Y - 9.193E+001$
 $DL = 13.14 \text{ ug/l}$
 $BEC = 91.93 \text{ ug/l}$

Step Mass Element
(1) 42 Ca

ISTD
45

Unit
ug/l

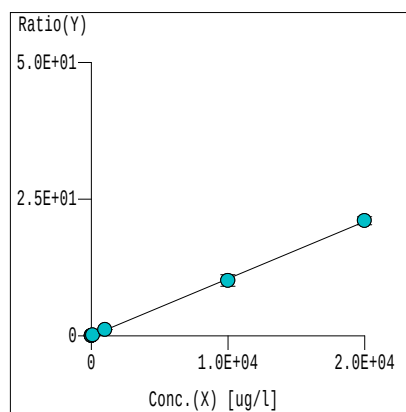


Curve Fit: $Y=aX+[blank]$
 $r = 0.9999$
 $Y = 4.650E-003 \cdot X + 9.119E+000$
 $X = 2.151E+002 \cdot Y - 1.961E+003$
 $DL = 229.0 \text{ ug/l}$
 $BEC = 1961 \text{ ug/l}$

Step Mass Element
(1) 43 Ca

ISTD
45

Unit
ug/l

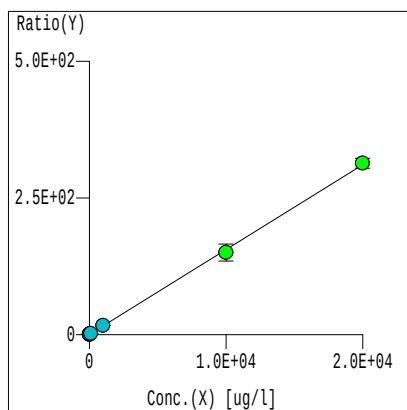


Curve Fit: $Y=aX+[blank]$
 $r = 0.9998$
 $Y = 1.044E-003 \cdot X + 7.688E-003$
 $X = 9.578E+002 \cdot Y - 7.363E+000$
 $DL = 3.387 \text{ ug/l}$
 $BEC = 7.363 \text{ ug/l}$

Step Mass Element
(1) 44 Ca

ISTD
45

Unit
ug/l

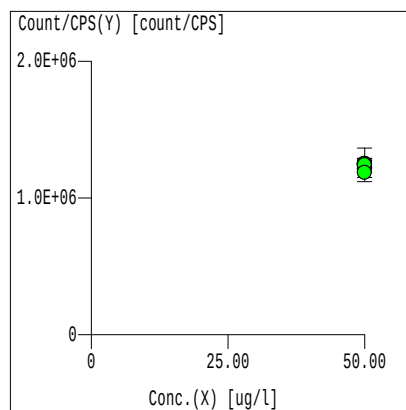


Curve Fit: $Y=aX+[blank]$
 $r = 0.9998$
 $Y = 1.553E-002 \cdot X + 2.903E-001$
 $X = 6.441E+001 \cdot Y - 1.870E+001$
 $DL = 3.009 \text{ ug/l}$
 $BEC = 18.70 \text{ ug/l}$

Step Mass Element
(1) 45 Sc

ISTD

Unit
ug/l



Curve Fit: Excluded
 $r = 0.0000$

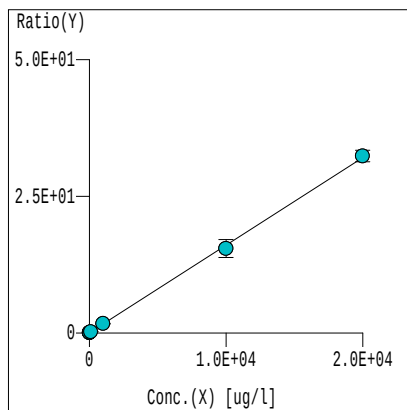
 $DL = --- \text{ ug/l}$
 $BEC = --- \text{ ug/l}$

=== Graph Detail ===

Step Mass Element
(1) 48 Ca

ISTD 45

Unit
ug/l

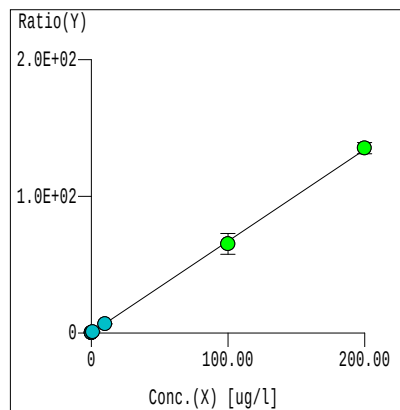


Curve Fit: $Y=aX+[blank]$
 $r = 0.9998$
 $Y = 1.602E-003 \cdot X + 2.344E-002$
 $X = 6.242E+002 \cdot Y - 1.463E+001$
 $DL = 2.743 \text{ ug/l}$
 $BEC = 14.63 \text{ ug/l}$

Step Mass Element
(1) 51 V

ISTD 45

Unit
ug/l

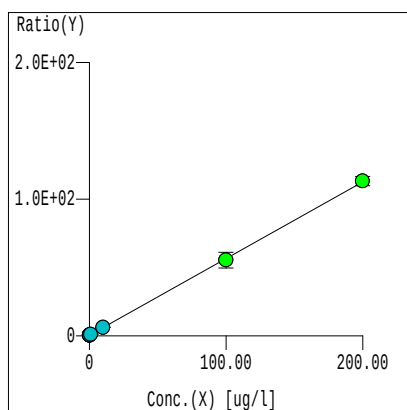


Curve Fit: $Y=aX+[blank]$
 $r = 0.9998$
 $Y = 6.706E-001 \cdot X + 1.177E-001$
 $X = 1.491E+000 \cdot Y - 1.755E-001$
 $DL = 9.622E-03 \text{ ug/l}$
 $BEC = 1.755E-01 \text{ ug/l}$

Step Mass Element
(1) 52 Cr

ISTD 45

Unit
ug/l

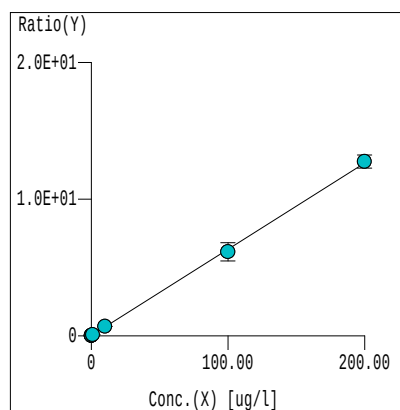


Curve Fit: $Y=aX+[blank]$
 $r = 0.9999$
 $Y = 5.611E-001 \cdot X + 3.754E-001$
 $X = 1.782E+000 \cdot Y - 6.690E-001$
 $DL = 5.643E-02 \text{ ug/l}$
 $BEC = 6.690E-01 \text{ ug/l}$

Step Mass Element
(1) 53 (V)

ISTD 45

Unit
ug/l

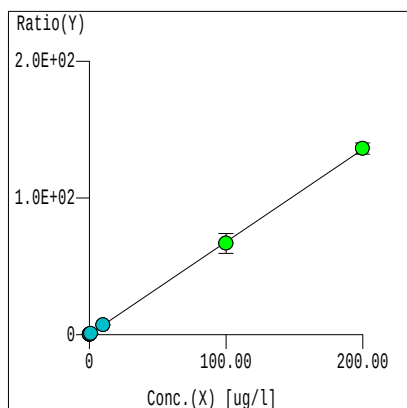


Curve Fit: $Y=aX+[blank]$
 $r = 0.9998$
 $Y = 6.322E-002 \cdot X + 5.904E-003$
 $X = 1.582E+001 \cdot Y - 9.338E-002$
 $DL = 6.285E-02 \text{ ug/l}$
 $BEC = 9.338E-02 \text{ ug/l}$

Step Mass Element
(1) 55 Mn

ISTD 45

Unit
ug/l

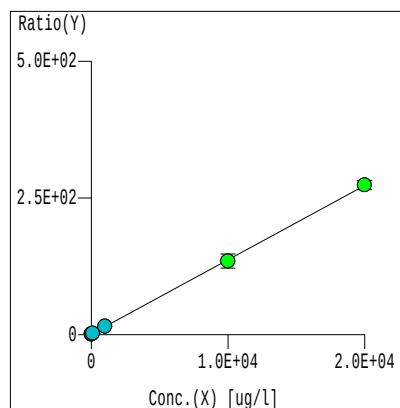


Curve Fit: $Y=aX+[blank]$
 $r = 1.0000$
 $Y = 6.778E-001 \cdot X + 7.917E-002$
 $X = 1.475E+000 \cdot Y - 1.168E-001$
 $DL = 2.172E-02 \text{ ug/l}$
 $BEC = 1.168E-01 \text{ ug/l}$

Step Mass Element
(1) 57 Fe

ISTD 45

Unit
ug/l

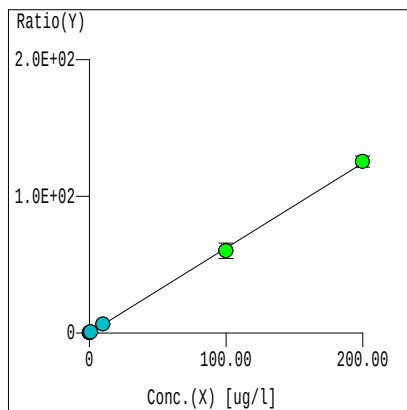


Curve Fit: $Y=aX+[blank]$
 $r = 1.0000$
 $Y = 1.358E-002 \cdot X + 8.745E-001$
 $X = 7.363E+001 \cdot Y - 6.439E+001$
 $DL = 8.728 \text{ ug/l}$
 $BEC = 64.39 \text{ ug/l}$

=== Graph Detail ===

Step Mass Element
(1) 59 Co

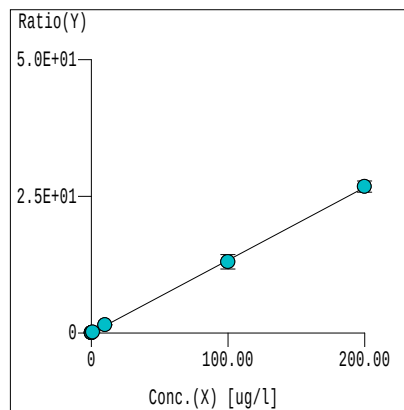
ISTD 45 Unit
ug/l



Curve Fit: $Y=aX+[blank]$
 $r = 0.9998$
 $Y = 6.215E-001 \cdot X + 4.829E-003$
 $X = 1.609E+000 \cdot Y - 7.771E-003$
DL = 4.551E-03 ug/l
BEC = 7.771E-03 ug/l

Step Mass Element
(1) 60 Ni

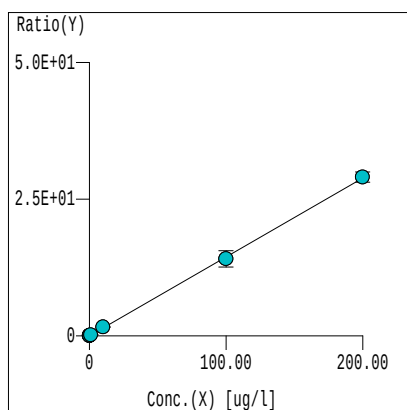
ISTD 45 Unit
ug/l



Curve Fit: $Y=aX+[blank]$
 $r = 0.9999$
 $Y = 1.331E-001 \cdot X + 6.387E-003$
 $X = 7.515E+000 \cdot Y - 4.800E-002$
DL = 1.772E-02 ug/l
BEC = 4.800E-02 ug/l

Step Mass Element
(1) 65 Cu

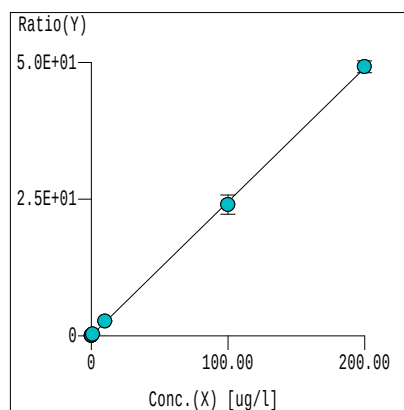
ISTD 45 Unit
ug/l



Curve Fit: $Y=aX+[blank]$
 $r = 0.9999$
 $Y = 1.442E-001 \cdot X + 4.206E-003$
 $X = 6.933E+000 \cdot Y - 2.916E-002$
DL = 2.300E-02 ug/l
BEC = 2.916E-02 ug/l

Step Mass Element
(1) 66 Zn

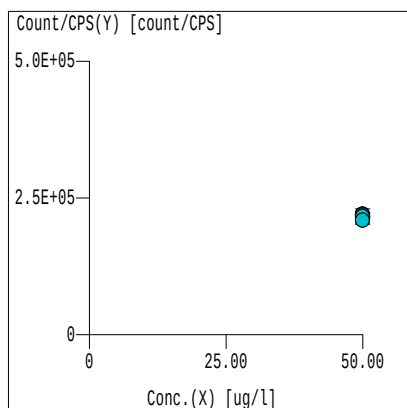
ISTD 74 Unit
ug/l



Curve Fit: $Y=aX+[blank]$
 $r = 0.9999$
 $Y = 2.448E-001 \cdot X + 1.694E-002$
 $X = 4.085E+000 \cdot Y - 6.919E-002$
DL = 3.365E-02 ug/l
BEC = 6.919E-02 ug/l

Step Mass Element
(1) 72 Ge

ISTD --- Unit
ug/l

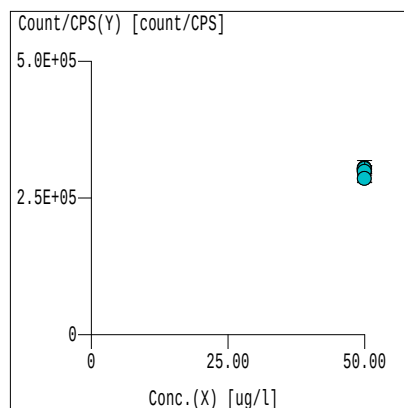


Curve Fit: Excluded
 $r = 0.0000$

DL = --- ug/l
BEC = --- ug/l

Step Mass Element
(1) 74 Ge

ISTD --- Unit
ug/l



Curve Fit: Excluded
 $r = 0.0000$

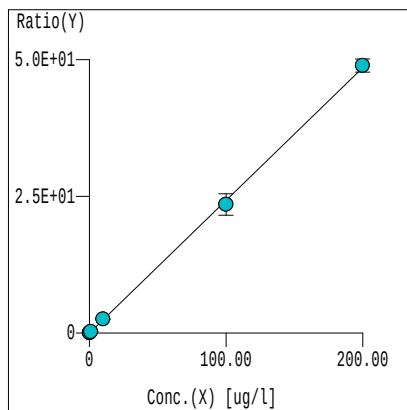
DL = --- ug/l
BEC = --- ug/l

=== Graph Detail ===

Step Mass Element
(1) 75 As

ISTD 74

Unit ug/l

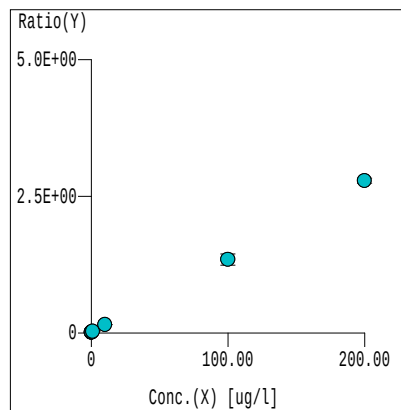


Curve Fit: $Y=aX+[blank]$
 $r = 0.9998$
 $Y = 2.429E-001 \cdot X - 1.723E-002$
 $X = 4.117E+000 \cdot Y + 7.096E-002$
DL = 1.084E-01 ug/l
BEC = -7.096E-02 ug/l

Step Mass Element
(1) 77 (As)

ISTD 74

Unit ug/l



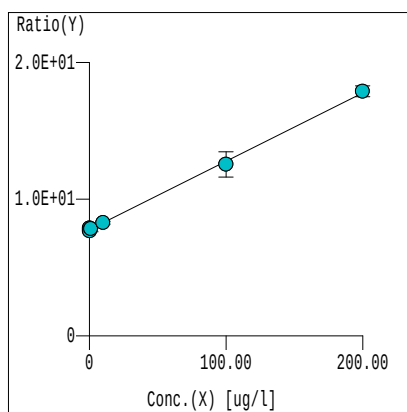
Curve Fit: Excluded
 $r = 0.9998$

DL = --- ug/l
BEC = --- ug/l

Step Mass Element
(1) 78 Se

ISTD 74

Unit ug/l

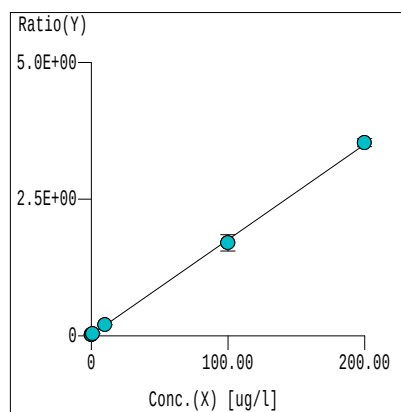


Curve Fit: $Y=aX+[blank]$
 $r = 0.9995$
 $Y = 4.997E-002 \cdot X + 7.777E+000$
 $X = 2.001E+001 \cdot Y - 1.556E+002$
DL = 11.20 ug/l
BEC = 155.6 ug/l

Step Mass Element
(1) 82 Se

ISTD 74

Unit ug/l

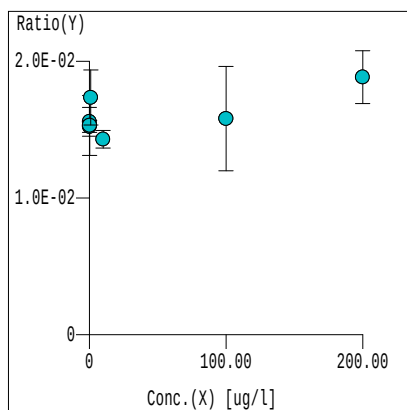


Curve Fit: $Y=aX+[blank]$
 $r = 0.9998$
 $Y = 1.742E-002 \cdot X + 1.709E-002$
 $X = 5.740E+001 \cdot Y - 9.808E-001$
DL = 1.749E-01 ug/l
BEC = 9.808E-01 ug/l

Step Mass Element
(1) 83 (As)

ISTD 74

Unit ug/l



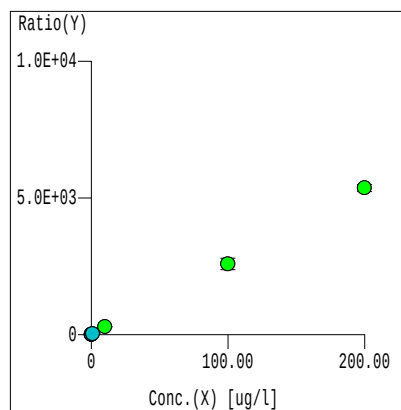
Curve Fit: Excluded
 $r = 0.7204$

DL = --- ug/l
BEC = --- ug/l

Step Mass Element
(1) 88 (Ca)

ISTD 74

Unit ug/l

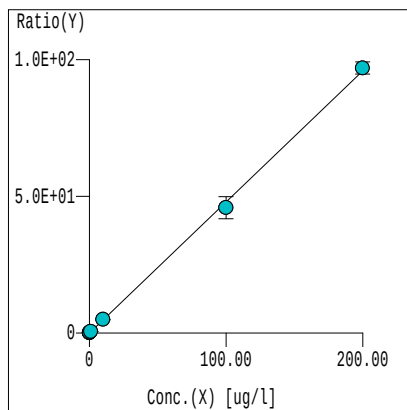


Curve Fit: Excluded
 $r = 0.9998$

DL = --- ug/l
BEC = --- ug/l

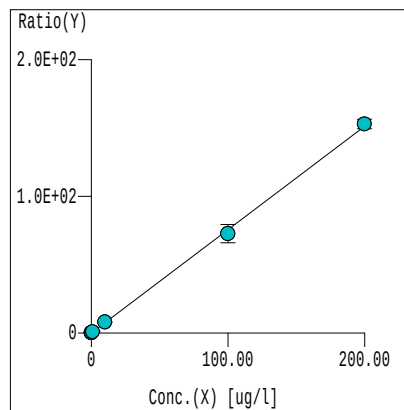
=== Graph Detail ===

Step Mass Element ISTD Unit
(1) 95 Mo 74 ug/l



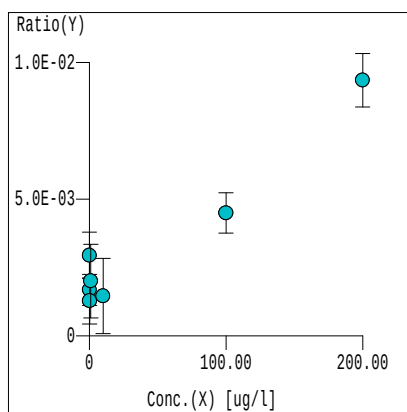
Curve Fit: $Y=aX+[blank]$
 $r = 0.9997$
 $Y = 4.792E-001 \cdot X + 1.763E-002$
 $X = 2.087E+000 \cdot Y - 3.680E-002$
DL = 1.171E-02 ug/l
BEC = 3.680E-02 ug/l

Step Mass Element ISTD Unit
(1) 98 Mo 74 ug/l



Curve Fit: $Y=aX+[blank]$
 $r = 0.9997$
 $Y = 7.564E-001 \cdot X + 3.042E-002$
 $X = 1.322E+000 \cdot Y - 4.022E-002$
DL = 3.662E-02 ug/l
BEC = 4.022E-02 ug/l

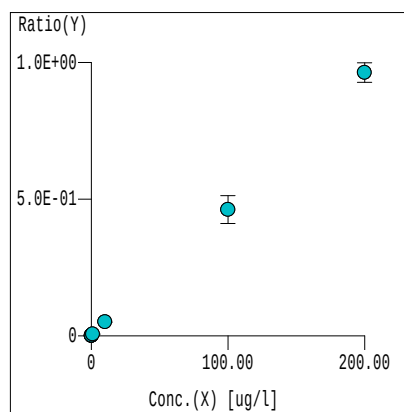
Step Mass Element ISTD Unit
(1) 99 (Mo) 74 ug/l



Curve Fit: Excluded
 $r = 0.9693$

DL = --- ug/l
BEC = --- ug/l

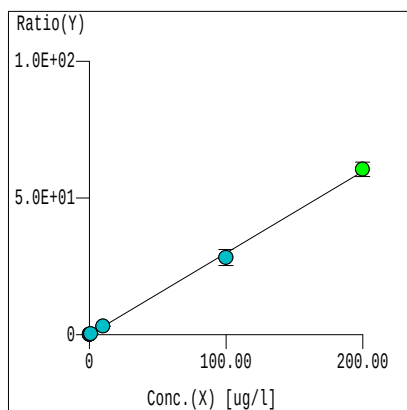
Step Mass Element ISTD Unit
(1) 106 (Cd) 115 ug/l



Curve Fit: Excluded
 $r = 0.9998$

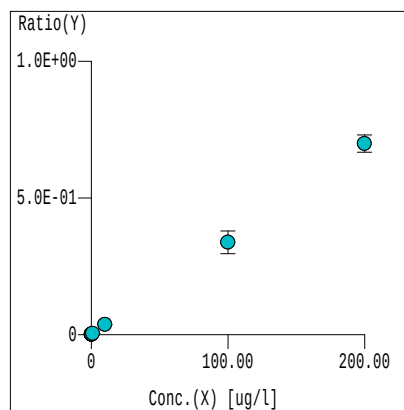
DL = --- ug/l
BEC = --- ug/l

Step Mass Element ISTD Unit
(1) 107 Ag 115 ug/l



Curve Fit: $Y=aX+[blank]$
 $r = 0.9995$
 $Y = 2.982E-001 \cdot X + 1.325E-003$
 $X = 3.353E+000 \cdot Y - 4.441E-003$
DL = 4.025E-03 ug/l
BEC = 4.441E-03 ug/l

Step Mass Element ISTD Unit
(1) 108 (Cd) 115 ug/l



Curve Fit: Excluded
 $r = 0.9999$

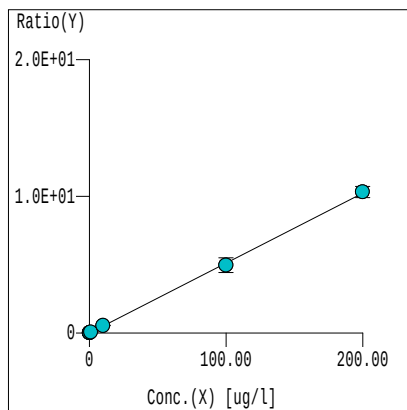
DL = --- ug/l
BEC = --- ug/l

=== Graph Detail ===

Step Mass Element
(1) 111 Cd

ISTD 115

Unit
ug/l

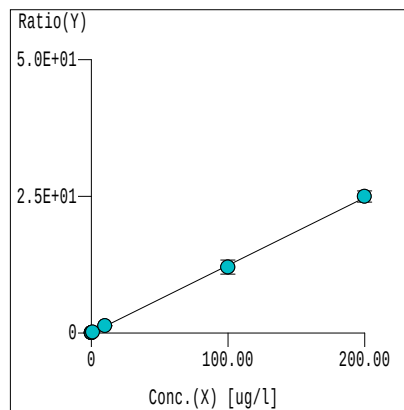


Curve Fit: $Y=aX+[blank]$
 $r = 0.9998$
 $Y = 5.119E-002 * X + 2.206E-004$
 $X = 1.953E+001 * Y - 4.309E-003$
DL = 9.178E-03 ug/l
BEC = 4.309E-03 ug/l

Step Mass Element
(1) 114 Cd

ISTD 115

Unit
ug/l

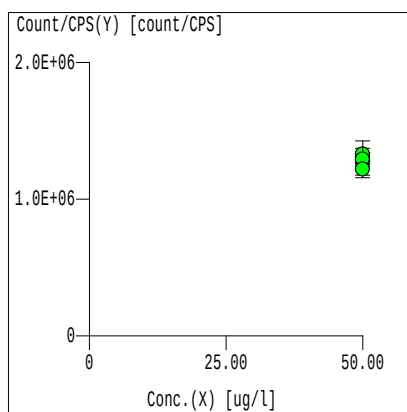


Curve Fit: $Y=aX+[blank]$
 $r = 0.9998$
 $Y = 1.239E-001 * X + 1.417E-003$
 $X = 8.073E+000 * Y - 1.144E-002$
DL = 9.609E-03 ug/l
BEC = 1.144E-02 ug/l

Step Mass Element
(1) 115 In

ISTD ---

Unit
ug/l



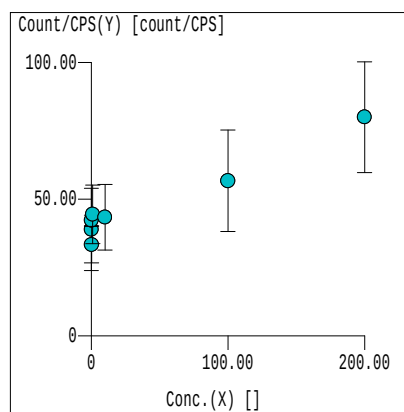
Curve Fit: Excluded
 $r = 0.0000$

DL = --- ug/l
BEC = --- ug/l

Step Mass Element
(1) 118 (In)

ISTD ---

Unit



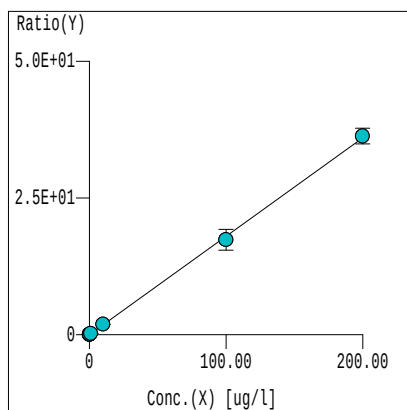
Curve Fit: Excluded
 $r = 0.9724$

DL = ---
BEC = ---

Step Mass Element
(1) 121 Sb

ISTD 115

Unit
ug/l

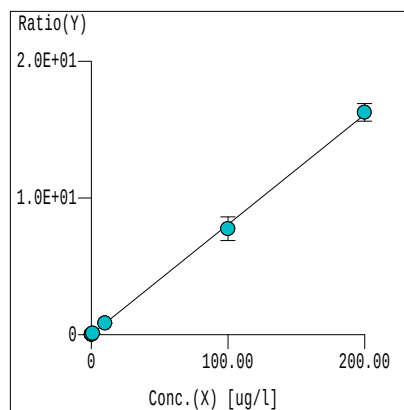


Curve Fit: $Y=aX+[blank]$
 $r = 0.9998$
 $Y = 1.799E-001 * X + 1.237E-003$
 $X = 5.560E+000 * Y - 6.876E-003$
DL = 9.303E-03 ug/l
BEC = 6.876E-03 ug/l

Step Mass Element
(1) 137 Ba

ISTD 115

Unit
ug/l



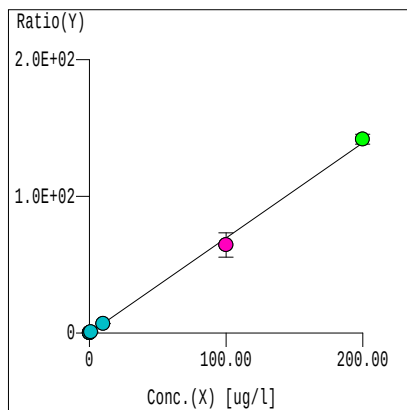
Curve Fit: $Y=aX+[blank]$
 $r = 0.9998$
 $Y = 8.050E-002 * X + 5.495E-003$
 $X = 1.242E+001 * Y - 6.826E-002$
DL = 3.891E-02 ug/l
BEC = 6.826E-02 ug/l

=== Graph Detail ===

Step Mass Element
(1) 205 Tl

ISTD
209

Unit
ug/l

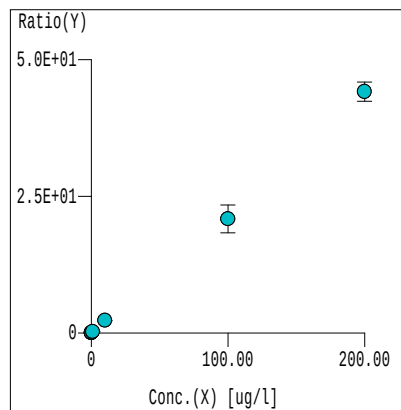


Curve Fit: $Y=aX+[blank]$
 $r = 0.9991$
 $Y = 6.958E-001 \cdot X + 1.544E-003$
 $X = 1.437E+000 \cdot Y - 2.219E-003$
DL = 2.199E-03 ug/l
BEC = 2.219E-03 ug/l

Step Mass Element
(1) 206 (Pb)

ISTD
209

Unit
ug/l



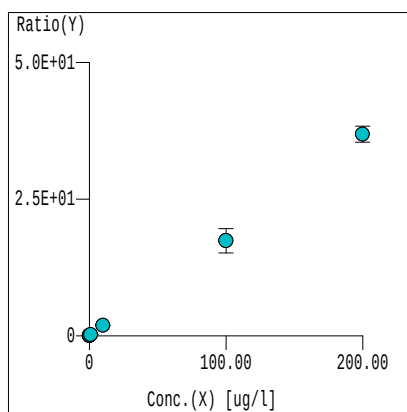
Curve Fit: Excluded
 $r = 0.9997$

DL = --- ug/l
BEC = --- ug/l

Step Mass Element
(1) 207 (Pb)

ISTD
209

Unit
ug/l



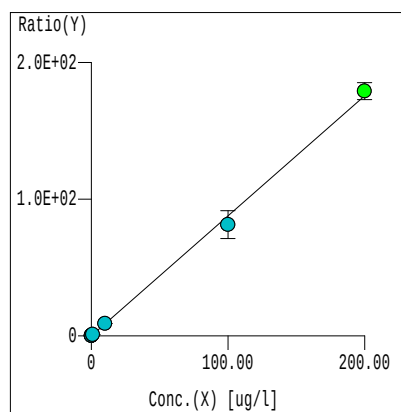
Curve Fit: Excluded
 $r = 0.9996$

DL = --- ug/l
BEC = --- ug/l

Step Mass Element
(1) 208 Pb

ISTD
209

Unit
ug/l

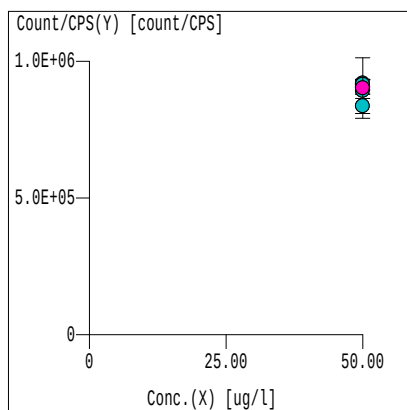


Curve Fit: $Y=aX+[blank]$
 $r = 0.9991$
 $Y = 8.784E-001 \cdot X + 7.018E-003$
 $X = 1.138E+000 \cdot Y - 7.990E-003$
DL = 4.549E-03 ug/l
BEC = 7.990E-03 ug/l

Step Mass Element
(1) 209 Bi

ISTD

Unit
ug/l



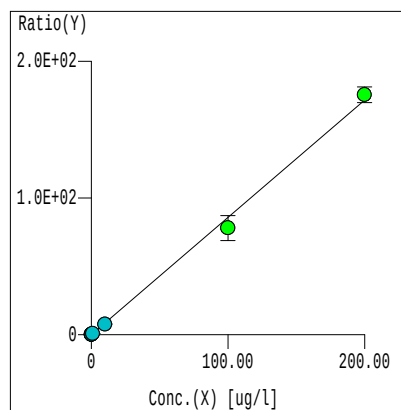
Curve Fit: Excluded
 $r = 0.0000$

DL = --- ug/l
BEC = --- ug/l

Step Mass Element
(1) 232 Th

ISTD
209

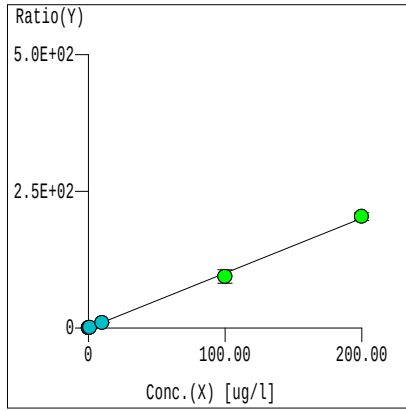
Unit
ug/l



Curve Fit: $Y=aX+[blank]$
 $r = 0.9987$
 $Y = 8.577E-001 \cdot X + 8.731E-003$
 $X = 1.166E+000 \cdot Y - 1.018E-002$
DL = 2.945E-03 ug/l
BEC = 1.018E-02 ug/l

=== Graph Detail ===

Step	Mass Element	ISTD	Unit
(1)	238 U	209	ug/l



Curve Fit: $Y = aX + [\text{blank}]$
 $r = 0.9994$
 $Y = 1.003E+000 * X + 2.469E-004$
 $X = 9.971E-001 * Y - 2.462E-004$
 $DL = 8.373E-04 \text{ ug/l}$
 $BEC = 2.462E-04 \text{ ug/l}$

Calibration Blank QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\003CAL
 Date Acquired: Aug 27 2010 10:23 pm
 Operator: bm
 Sample Name: cal blank
 Misc Info: blank
 Vial Number: 1101
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.
 Last Cal Update: Aug 27 2010 11:00 pm
 Sample Type: CalBlk
 Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean	SD	RSD(%)
6 Li	1195059.00 A	37540.00	3.14
9 Be	15.56 P	10.71	68.85
23 Na	453771.09 P	2373.00	0.52
24 Mg	834.50 P	180.80	21.67
27 Al	5700.32 P	189.60	3.33
39 K	1202074.00 A	10230.00	0.85
42 Ca	225907.80 P	567.30	0.25
44 Ca	7188.87 P	135.70	1.89
45 Sc	1239972.00 A	50040.00	4.04
47 Ti	P		
51 V	2918.46 P	132.30	4.53
52 Cr	9302.24 P	169.60	1.82
53 (V)	145.56 P	26.74	18.37
55 Mn	1960.21 P	41.78	2.13
57 Fe	21661.50 P	111.80	0.52
59 Co	120.01 P	26.03	21.69
60 Ni	158.90 P	25.24	15.89
65 Cu	104.45 P	29.12	27.88
66 Zn	102.23 P	15.03	14.70
74 Ge	302319.41 P	6450.00	2.13
75 As	-103.61 P	51.85	50.04
78 Se	47008.29 P	144.50	0.31
82 Se	103.33 P	6.94	6.72
89 Y	P		
95 Mo	106.67 P	12.02	11.27
98 Mo	184.08 P	55.94	30.39
107 Ag	34.45 P	11.71	34.00
111 Cd	5.70 P	4.00	70.16
114 Cd	36.59 P	10.49	28.67
115 In	1290256.00 A	49910.00	3.87
121 Sb	32.22 P	15.75	48.88
137 Ba	141.12 P	21.69	15.37
205 Tl	27.78 P	8.39	30.20
208 Pb	126.67 P	20.82	16.44
209 Bi	905167.50 P	25820.00	2.85
232 Th	157.78 P	10.71	6.79
238 U	4.44 P	5.09	114.57

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\004CALC.D\004CALC.D#
 Date Acquired: Aug 27 2010 10:29 pm
 Operator: bm
 Sample Name: cal std 1
 Misc Info: .1 ppb
 Vial Number: 1102
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal Update: Aug 27 2010 11:00 pm
 Sample Type: CalStd
 Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean	SD	RSD(%)
6 Li	1177924.00 A	14340.00	1.22
9 Be	325.57 P	13.47	4.14
23 Na	609422.13 P	5602.00	0.92
24 Mg	101997.50 P	1954.00	1.92
27 Al	6913.01 P	223.30	3.23
39 K	1341309.00 A	11710.00	0.87
42 Ca	227600.20 P	506.00	0.22
44 Ca	11000.62 P	200.50	1.82
45 Sc	1209814.00 A	22630.00	1.87
47 Ti	P		
51 V	4296.87 P	25.15	0.59
52 Cr	9966.04 P	139.40	1.40
53 (V)	291.13 P	26.94	9.25
55 Mn	3571.69 P	125.70	3.52
57 Fe	24816.63 P	586.10	2.36
59 Co	1661.27 P	56.71	3.41
60 Ni	922.29 P	52.32	5.67
65 Cu	483.36 P	41.77	8.64
66 Zn	246.68 P	8.82	3.58
74 Ge	298069.19 P	3237.00	1.09
75 As	59.37 P	57.02	96.04
78 Se	46988.99 P	239.80	0.51
82 Se	108.89 P	11.55	10.61
89 Y	P		
95 Mo	394.46 P	57.38	14.55
98 Mo	616.35 P	42.69	6.93
107 Ag	760.05 P	46.31	6.09
111 Cd	159.47 P	9.81	6.15
114 Cd	345.84 P	18.46	5.34
115 In	1281831.00 A	28680.00	2.24
121 Sb	535.59 P	21.43	4.00
137 Ba	398.91 P	50.92	12.77
205 Tl	1226.77 P	70.24	5.73
208 Pb	1674.55 P	13.88	0.83
209 Bi	892429.63 P	12370.00	1.39
232 Th	1432.36 P	43.51	3.04
238 U	1724.63 P	23.65	1.37

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1177924.40	1.22	1195058.90	98.6	60 - 125	
45 Sc	1209814.30	1.87	1239972.60	97.6	60 - 125	
74 Ge	298069.16	1.09	302319.44	98.6	60 - 125	
115 In	1281831.00	2.24	1290256.50	99.3	60 - 125	
209 Bi	892429.56	1.39	905167.50	98.6	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

--- :Element Failures --- :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:	
Analytes:	Pass
ISTD:	Pass

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\005CALC.D\005CALC.D#
 Date Acquired: Aug 27 2010 10:35 pm
 Operator: bm
 Sample Name: cal std 2
 Misc Info: .2 ppb
 Vial Number: 1103
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal Update: Aug 27 2010 11:00 pm
 Sample Type: CalStd
 Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean	SD	RSD(%)
6 Li	1187584.00 A	28410.00	2.39
9 Be	705.60 P	36.87	5.23
23 Na	777729.69 P	6123.00	0.79
24 Mg	214277.50 P	3398.00	1.59
27 Al	8075.86 P	104.20	1.29
39 K	1504359.00 A	18140.00	1.21
42 Ca	228862.20 P	1724.00	0.75
44 Ca	15377.75 P	467.70	3.04
45 Sc	1249029.00 A	24360.00	1.95
47 Ti	P		
51 V	5678.56 P	153.40	2.70
52 Cr	11109.15 P	155.00	1.40
53 (V)	530.03 P	8.82	1.66
55 Mn	5334.51 P	48.44	0.91
57 Fe	28822.07 P	390.10	1.35
59 Co	3458.31 P	98.48	2.85
60 Ni	945.62 P	77.49	8.19
65 Cu	857.83 P	118.80	13.85
66 Zn	411.13 P	17.11	4.16
74 Ge	304968.91 P	1953.00	0.64
75 As	195.77 P	35.45	18.11
78 Se	46723.21 P	396.10	0.85
82 Se	106.67 P	7.78	7.29
89 Y	P		
95 Mo	747.82 P	18.96	2.54
98 Mo	1091.17 P	89.79	8.23
107 Ag	1684.61 P	65.02	3.86
111 Cd	280.45 P	23.08	8.23
114 Cd	754.87 P	24.06	3.19
115 In	1308693.00 A	33270.00	2.54
121 Sb	1153.42 P	79.38	6.88
137 Ba	616.70 P	5.77	0.94
205 Tl	2553.68 P	60.01	2.35
208 Pb	3545.89 P	150.00	4.23
209 Bi	919749.69 P	12830.00	1.39
232 Th	2984.92 P	143.60	4.81
238 U	3648.44 P	41.95	1.15

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC	Range(%)	Flag
6 Li	1187584.10	2.39	1195058.90	99.4	60	- 125	
45 Sc	1249029.40	1.95	1239972.60	100.7	60	- 125	
74 Ge	304968.91	0.64	302319.44	100.9	60	- 125	
115 In	1308693.30	2.54	1290256.50	101.4	60	- 125	
209 Bi	919749.69	1.39	905167.50	101.6	60	- 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

--- :Element Failures --- :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:	
Analytes:	Pass
ISTD:	Pass

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\006CALC.D\006CALC.D#
 Date Acquired: Aug 27 2010 10:41 pm
 Operator: bm
 Sample Name: cal std 3
 Misc Info: 1.0 ppb
 Vial Number: 1104
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal Update: Aug 27 2010 11:00 pm
 Sample Type: CalStd
 Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean	SD	RSD(%)
6 Li	1197147.00 A	36030.00	3.01
9 Be	3377.17 P	64.39	1.91
23 Na	2197432.00 A	33260.00	1.51
24 Mg	1075968.00 A	12760.00	1.19
27 Al	19336.78 P	385.40	1.99
39 K	2613258.00 A	45740.00	1.75
42 Ca	237381.50 P	2007.00	0.85
44 Ca	48387.13 P	1088.00	2.25
45 Sc	1250886.00 A	35040.00	2.80
47 Ti	P		
51 V	19068.19 P	434.70	2.28
52 Cr	23000.24 P	451.70	1.96
53 (V)	1844.62 P	26.95	1.46
55 Mn	19669.66 P	233.60	1.19
57 Fe	57639.32 P	592.20	1.03
59 Co	16417.78 P	265.00	1.61
60 Ni	3817.32 P	43.35	1.14
65 Cu	3982.92 P	134.90	3.39
66 Zn	1687.94 P	104.10	6.17
74 Ge	301647.81 P	7703.00	2.55
75 As	1367.75 P	45.19	3.30
78 Se	47217.12 P	118.30	0.25
82 Se	209.63 P	20.38	9.72
89 Y	P		
95 Mo	3163.81 P	99.59	3.15
98 Mo	4845.90 P	107.10	2.21
107 Ag	8114.89 P	208.20	2.57
111 Cd	1456.27 P	87.03	5.98
114 Cd	3547.58 P	36.40	1.03
115 In	1305939.00 A	27290.00	2.09
121 Sb	5032.23 P	105.00	2.09
137 Ba	2384.74 P	66.21	2.78
205 Tl	12569.86 P	134.40	1.07
208 Pb	16454.73 P	133.40	0.81
209 Bi	913189.50 P	19580.00	2.14
232 Th	13182.91 P	720.90	5.47
238 U	17514.85 P	435.80	2.49

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1197147.10	3.01	1195058.90	100.2	60 - 125	
45 Sc	1250885.60	2.80	1239972.60	100.9	60 - 125	
74 Ge	301647.84	2.55	302319.44	99.8	60 - 125	
115 In	1305939.50	2.09	1290256.50	101.2	60 - 125	
209 Bi	913189.44	2.14	905167.50	100.9	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

--- :Element Failures --- :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:	
Analytes:	Pass
ISTD:	Pass

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\007CALC.D\007CALC.D#
 Date Acquired: Aug 27 2010 10:47 pm
 Operator: bm
 Sample Name: cal std 4
 Misc Info: 10 ppb
 Vial Number: 1105
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal Update: Aug 27 2010 11:00 pm
 Sample Type: CalStd
 Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean	SD	RSD(%)
6 Li	1160524.00 A	41240.00	3.55
9 Be	33368.73 P	840.20	2.52
23 Na	16783240.00 A	335800.00	2.00
24 Mg	10316060.00 A	279700.00	2.71
27 Al	135774.50 P	1605.00	1.18
39 K	15174930.00 A	177800.00	1.17
42 Ca	347572.31 P	1798.00	0.52
44 Ca	417122.00 P	7388.00	1.77
45 Sc	1252455.00 A	33800.00	2.70
47 Ti	P		
51 V	166051.59 P	1104.00	0.66
52 Cr	151580.91 P	1167.00	0.77
53 (V)	17047.38 P	628.70	3.69
55 Mn	176733.20 P	1835.00	1.04
57 Fe	378028.81 P	2474.00	0.65
59 Co	161240.00 P	1982.00	1.23
60 Ni	36908.86 P	644.90	1.75
65 Cu	39521.65 P	483.50	1.22
66 Zn	16242.07 P	297.60	1.83
74 Ge	303328.91 P	5000.00	1.65
75 As	15385.69 P	221.40	1.44
78 Se	50150.87 P	294.30	0.59
82 Se	1216.74 P	26.20	2.15
89 Y	P		
95 Mo	29883.07 P	1096.00	3.67
98 Mo	48058.63 P	1186.00	2.47
107 Ag	80900.86 P	493.50	0.61
111 Cd	14217.71 P	241.80	1.70
114 Cd	34603.06 P	622.20	1.80
115 In	1328962.00 A	42910.00	3.23
121 Sb	49690.18 P	802.50	1.62
137 Ba	22252.44 P	272.80	1.23
205 Tl	124586.40 P	1050.00	0.84
208 Pb	162725.80 P	1250.00	0.77
209 Bi	915630.19 P	18180.00	1.99
232 Th	137168.80 P	3655.00	2.66
238 U	176632.20 P	1814.00	1.03

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1160523.50	3.55	1195058.90	97.1	60 - 125	
45 Sc	1252455.10	2.70	1239972.60	101.0	60 - 125	
74 Ge	303328.91	1.65	302319.44	100.3	60 - 125	
115 In	1328961.60	3.23	1290256.50	103.0	60 - 125	
209 Bi	915630.19	1.99	905167.50	101.2	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

--- :Element Failures --- :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:	
Analytes:	Pass
ISTD:	Pass

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\008CALC.D\008CALC.D#
 Date Acquired: Aug 27 2010 10:53 pm
 Operator: bm
 Sample Name: cal std 5
 Misc Info: 100 ppb
 Vial Number: 1106
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal Update: Aug 27 2010 11:00 pm
 Sample Type: CalStd
 Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean	SD	RSD(%)
6 Li	1172408.00 A	68020.00	5.80
9 Be	302826.50 P	9880.00	3.26
23 Na	149637790.00 A	5342000.00	3.57
24 Mg	93312864.00 A	3538000.00	3.79
27 Al	1217602.00 A	29930.00	2.46
39 K	128883900.00 A	3820000.00	2.96
42 Ca	1339677.00 A	34830.00	2.60
44 Ca	3703043.00 A	68180.00	1.84
45 Sc	1242037.00 A	123600.00	9.95
47 Ti	P		
51 V	1606121.00 A	53080.00	3.30
52 Cr	1366588.00 A	44000.00	3.22
53 (V)	151449.80 P	4617.00	3.05
55 Mn	1646646.00 A	57600.00	3.50
57 Fe	3321121.00 A	80180.00	2.41
59 Co	1484292.00 A	29910.00	2.02
60 Ni	320647.09 P	7007.00	2.19
65 Cu	347118.00 P	8853.00	2.55
66 Zn	142700.59 P	3832.00	2.69
74 Ge	298265.81 P	20300.00	6.81
75 As	139823.70 P	3909.00	2.80
78 Se	74611.25 P	1192.00	1.60
82 Se	10105.20 P	399.80	3.96
89 Y	P		
95 Mo	272398.81 P	10380.00	3.81
98 Mo	431312.81 P	14620.00	3.39
107 Ag	722181.31 P	15090.00	2.09
111 Cd	127085.50 P	3371.00	2.65
114 Cd	308083.50 P	7507.00	2.44
115 In	1290715.00 A	134000.00	10.38
121 Sb	444312.91 P	9791.00	2.20
137 Ba	198447.50 P	3926.00	1.98
205 Tl	1150399.00 M	54910.00	4.77
208 Pb	1452984.00 P	32880.00	2.26
209 Bi	902493.00 M	110500.00	12.24
232 Th	1394832.00 A	14880.00	1.07
238 U	1679600.00 A	44490.00	2.65

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1172407.80	5.80	1195058.90	98.1	60 - 125	
45 Sc	1242036.60	9.95	1239972.60	100.2	60 - 125	
74 Ge	298265.75	6.81	302319.44	98.7	60 - 125	
115 In	1290715.50	10.38	1290256.50	100.0	60 - 125	
209 Bi	902493.00	12.24	905167.50	99.7	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

--- :Element Failures --- :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:	
Analytes:	Pass
ISTD:	Pass

Calibration Standard QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\009CALC.D\009CALC.D#
 Date Acquired: Aug 27 2010 10:59 pm
 Operator: bm
 Sample Name: cal std 6
 Misc Info: 200 ppb
 Vial Number: 1107
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal Update: Aug 27 2010 11:00 pm
 Sample Type: CalStd
 Total Dil Factor: 1.00

QC&ISTD Elements

Element	CPS Mean	SD	RSD(%)
6 Li	1119358.00 A	35420.00	3.16
9 Be	604469.38 P	6717.00	1.11
23 Na	298218690.00 A	1657000.00	0.56
24 Mg	185219300.00 A	2573000.00	1.39
27 Al	2433989.00 A	12070.00	0.50
39 K	252807810.00 A	1403000.00	0.55
42 Ca	2437717.00 A	28430.00	1.17
44 Ca	7434110.00 A	123100.00	1.66
45 Sc	1186281.00 A	36810.00	3.10
47 Ti	P		
51 V	3207588.00 A	22830.00	0.71
52 Cr	2682657.00 A	13320.00	0.50
53 (V)	302097.69 P	2430.00	0.80
55 Mn	3229223.00 A	15200.00	0.47
57 Fe	6485844.00 A	43110.00	0.66
59 Co	2971141.00 A	7688.00	0.26
60 Ni	634682.00 P	5222.00	0.82
65 Cu	688122.38 P	2114.00	0.31
66 Zn	280675.41 P	763.50	0.27
74 Ge	285197.19 P	6028.00	2.11
75 As	278975.69 P	2162.00	0.77
78 Se	101978.60 P	600.70	0.59
82 Se	20133.03 P	54.63	0.27
89 Y	P		
95 Mo	552588.13 P	9836.00	1.78
98 Mo	871547.38 P	12220.00	1.40
107 Ag	1472875.00 A	13940.00	0.95
111 Cd	251333.91 P	1325.00	0.53
114 Cd	607854.00 P	3944.00	0.65
115 In	1219059.00 A	43180.00	3.54
121 Sb	884054.88 P	3895.00	0.44
137 Ba	396021.41 P	2252.00	0.57
205 Tl	2370403.00 A	19940.00	0.84
208 Pb	2991637.00 A	24460.00	0.82
209 Bi	836501.63 P	27810.00	3.32
232 Th	2933894.00 A	14880.00	0.51
238 U	3406037.00 A	14850.00	0.44

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC	Range(%)	Flag
6 Li	1119357.80	3.16	1195058.90	93.7	60	- 125	
45 Sc	1186280.60	3.10	1239972.60	95.7	60	- 125	
74 Ge	285197.25	2.11	302319.44	94.3	60	- 125	
115 In	1219058.60	3.54	1290256.50	94.5	60	- 125	
209 Bi	836501.56	3.32	905167.50	92.4	60	- 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

--- :Element Failures --- :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:	
Analytes:	Pass
ISTD:	Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\010SMPL.D\010SMPL.D#
 Date Acquired: Aug 27 2010 11:04 pm
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: rinse
 Misc Info:
 Vial Number: 2
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.04	0.04	ug/l	0.69	4500.00	
23 Na	8.41	8.41	ug/l	16.63	135000.00	
24 Mg	3.55	3.55	ug/l	20.30	135000.00	
27 Al	0.01	0.01	ug/l	110.27	135000.00	
39 K	6.71	6.71	ug/l	8.92	135000.00	
42 Ca	31.08	31.08	ug/l	88.26	135000.00	
44 Ca	3.14	3.14	ug/l	15.00	135000.00	
51 V	0.03	0.03	ug/l	17.24	4500.00	
52 Cr	-0.01	-0.01	ug/l	87.71	4500.00	
53 (V)	0.04	0.04	ug/l	68.25	4500.00	
55 Mn	0.05	0.05	ug/l	2.83	4500.00	
57 Fe	9.51	9.51	ug/l	12.18	135000.00	
59 Co	0.03	0.03	ug/l	40.29	4500.00	
60 Ni	0.04	0.04	ug/l	11.65	4500.00	
65 Cu	0.03	0.03	ug/l	5.66	3600.00	
66 Zn	0.13	0.13	ug/l	11.22	4500.00	
75 As	0.12	0.12	ug/l	16.85	4500.00	
78 Se	26.22	26.22	ug/l	9.10	4500.00	
82 Se	0.26	0.26	ug/l	19.78	3600.00	
95 Mo	2.24	2.24	ug/l	13.84	4500.00	
98 Mo	2.26	2.26	ug/l	15.73	4500.00	
107 Ag	0.05	0.05	ug/l	30.37	4500.00	
111 Cd	0.04	0.04	ug/l	2.45	4500.00	
114 Cd	0.04	0.04	ug/l	19.95	4500.00	
121 Sb	0.06	0.06	ug/l	14.46	4500.00	
137 Ba	0.05	0.05	ug/l	29.42	4500.00	
205 Tl	0.05	0.05	ug/l	12.65	4500.00	
208 Pb	0.04	0.04	ug/l	29.08	4500.00	
232 Th	7.22	7.22	ug/l	7.95	4500.00	
238 U	0.06	0.06	ug/l	24.03	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1120430.60	1.07	1195058.90	93.8	60 - 125	
45 Sc	1210655.90	1.31	1239972.60	97.6	60 - 125	
74 Ge	288605.41	1.06	302319.44	95.5	60 - 125	
115 In	1255829.00	1.56	1290256.50	97.3	60 - 125	
209 Bi	866355.13	1.38	905167.50	95.7	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures
 0 :ISTD Failures

0 :Max. Number of Failures Allowed
 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

ICV QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\011ICV1.D\011ICV1.D#
 Date Acquired: Aug 27 2010 11:11 pm
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: ICV
 Misc Info: icv
 Vial Number: 1201
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:19 pm
 Sample Type: ICV1
 Dilution Factor: 1.00

QC Elements

Element	Conc.	RSD(%)	Expected	QC Range(%)	Flag
9 Be	50.30 ug/l	2.34	50.00	90 - 110	
23 Na	5004.00 ug/l	1.91	5000.00	90 - 110	
24 Mg	4984.00 ug/l	2.94	5000.00	90 - 110	
27 Al	48.66 ug/l	3.58	50.00	90 - 110	
39 K	4899.00 ug/l	2.80	5000.00	90 - 110	
42 Ca	4772.00 ug/l	5.31	5000.00	90 - 110	
44 Ca	5098.00 ug/l	3.02	5000.00	90 - 110	
51 V	46.34 ug/l	2.79	50.00	90 - 110	
52 Cr	47.93 ug/l	3.17	50.00	90 - 110	
53 (V)	50.11 ug/l	4.52	50.00	90 - 110	
55 Mn	47.77 ug/l	4.05	50.00	90 - 110	
57 Fe	5048.00 ug/l	3.98	5000.00	90 - 110	
59 Co	48.46 ug/l	3.37	50.00	90 - 110	
60 Ni	50.33 ug/l	3.02	50.00	90 - 110	
65 Cu	50.80 ug/l	4.25	50.00	90 - 110	
66 Zn	50.09 ug/l	0.62	50.00	90 - 110	
75 As	50.50 ug/l	0.32	50.00	90 - 110	
78 Se	65.23 ug/l	3.51	50.00	90 - 110	Fail
82 Se	52.00 ug/l	0.70	50.00	90 - 110	
95 Mo	50.24 ug/l	1.31	50.00	90 - 110	
98 Mo	50.17 ug/l	1.32	50.00	90 - 110	
107 Ag	49.81 ug/l	1.15	50.00	90 - 110	
111 Cd	50.08 ug/l	0.79	50.00	90 - 110	
114 Cd	50.15 ug/l	1.16	50.00	90 - 110	
121 Sb	49.54 ug/l	1.07	50.00	90 - 110	
137 Ba	49.51 ug/l	0.72	50.00	90 - 110	
205 Tl	49.14 ug/l	1.94	50.00	90 - 110	
208 Pb	50.50 ug/l	2.09	50.00	90 - 110	
232 Th	46.36 ug/l	4.98	50.00	90 - 110	
238 U	48.20 ug/l	2.66	50.00	90 - 110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1155874.50	3.03	1195058.90	96.7	60 - 125	
45 Sc	1241157.10	3.77	1239972.60	100.1	60 - 125	
74 Ge	295471.53	1.20	302319.44	97.7	60 - 125	
115 In	1275917.80	1.71	1290256.50	98.9	60 - 125	
209 Bi	878754.88	2.94	905167.50	97.1	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

ICB QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\012_ICB.D\012_ICB.D#
 Date Acquired: Aug 27 2010 11:17 pm
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: ICB
 Misc Info: icb
 Vial Number: 1202
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: ICB
 Dilution Factor: 1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
9 Be	0.01 ug/l	38.08	10.00	
23 Na	3.03 ug/l	46.70	10.00	
24 Mg	0.88 ug/l	54.19	10.00	
27 Al	0.06 ug/l	29.04	10.00	
39 K	3.58 ug/l	139.24	10.00	
42 Ca	15.91 ug/l	442.61	10.00	
44 Ca	0.80 ug/l	82.14	10.00	
51 V	-0.01 ug/l	146.66	10.00	
52 Cr	-0.04 ug/l	88.93	10.00	
53 (V)	0.02 ug/l	100.18	10.00	
55 Mn	0.01 ug/l	76.36	10.00	
57 Fe	4.26 ug/l	54.32	10.00	
59 Co	0.01 ug/l	60.11	10.00	
60 Ni	0.05 ug/l	5.68	10.00	
65 Cu	0.00 ug/l	1462.50	10.00	
66 Zn	0.01 ug/l	95.50	10.00	
75 As	0.03 ug/l	186.76	10.00	
78 Se	17.87 ug/l	19.63	10.00	
82 Se	-0.01 ug/l	2707.50	10.00	
95 Mo	0.78 ug/l	6.11	10.00	
98 Mo	0.78 ug/l	2.31	10.00	
107 Ag	0.02 ug/l	23.90	10.00	
111 Cd	0.01 ug/l	100.29	10.00	
114 Cd	0.01 ug/l	44.58	10.00	
121 Sb	0.02 ug/l	29.25	10.00	
137 Ba	0.03 ug/l	56.61	10.00	
205 Tl	0.02 ug/l	25.27	10.00	
208 Pb	0.01 ug/l	57.32	10.00	
232 Th	1.90 ug/l	5.22	10.00	Fail
238 U	0.02 ug/l	26.28	10.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1160232.10	2.24	1195058.90	97.1	60 - 125	
45 Sc	1242880.90	3.45	1239972.60	100.2	60 - 125	
74 Ge	299460.06	1.56	302319.44	99.1	60 - 125	
115 In	1318092.50	2.30	1290256.50	102.2	60 - 125	
209 Bi	899477.06	2.39	905167.50	99.4	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

1 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

ICS-A QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\013ICSA.D\013ICSA.D#
 Date Acquired: Aug 27 2010 11:23 pm
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: ICSA
 Misc Info: ICSA
 Vial Number: 4101
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: ICS-A
 Dilution Factor: 1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
9 Be	0.01 ug/l	6.85	10.00	
23 Na	261800.00 ug/l	4.45	10.00	
24 Mg	92010.00 ug/l	3.47	10.00	
27 Al	91430.00 ug/l	4.20	10.00	
39 K	97030.00 ug/l	4.26	10.00	
42 Ca	283200.00 ug/l	5.25	10.00	
44 Ca	295600.00 ug/l	5.37	10.00	
51 V	0.29 ug/l	33.56	10.00	
52 Cr	2.89 ug/l	11.31	10.00	
53 (V)	4.20 ug/l	5.72	10.00	
55 Mn	7.59 ug/l	16.84	10.00	
57 Fe	236200.00 ug/l	4.43	10.00	
59 Co	3.82 ug/l	3.45	10.00	
60 Ni	5.64 ug/l	3.87	10.00	
65 Cu	2.45 ug/l	2.74	10.00	
66 Zn	4.15 ug/l	6.31	10.00	
75 As	0.36 ug/l	20.59	10.00	
78 Se	58.42 ug/l	11.98	10.00	
82 Se	1.28 ug/l	14.21	10.00	
95 Mo	2159.00 ug/l	5.08	10.00	
98 Mo	2144.00 ug/l	5.22	10.00	
107 Ag	0.09 ug/l	15.34	10.00	
111 Cd	0.97 ug/l	8.40	10.00	
114 Cd	2.51 ug/l	7.53	10.00	
121 Sb	0.25 ug/l	18.17	10.00	
137 Ba	1.42 ug/l	11.58	10.00	
205 Tl	0.79 ug/l	6.36	10.00	
208 Pb	0.18 ug/l	6.10	10.00	
232 Th	2.18 ug/l	10.28	10.00	
238 U	0.01 ug/l	33.55	10.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	958110.31	3.14	1195058.90	80.2	60 - 125	
45 Sc	1106068.90	3.20	1239972.60	89.2	60 - 125	
74 Ge	256500.47	2.47	302319.44	84.8	60 - 125	
115 In	1086319.40	5.50	1290256.50	84.2	60 - 125	
209 Bi	723150.44	3.65	905167.50	79.9	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Nnumber of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

ICS-AB QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\014ICSB.D\014ICSB.D#
 Date Acquired: Aug 27 2010 11:29 pm
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: ICSAB
 Misc Info: ICSAB
 Vial Number: 4102
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: ICS-AB
 Dilution Factor: 1.00

QC Elements

Element	Conc.	RSD(%)	Expected	QC	Range(%)	Flag
9 Be	0.00 ug/l	24.93	0.00	80 - 120		
23 Na	260300.00 ug/l	2.71	250000.00	80 - 120		
24 Mg	93840.00 ug/l	1.75	100000.00	80 - 120		
27 Al	94270.00 ug/l	1.98	100000.00	80 - 120		
39 K	99110.00 ug/l	2.26	100000.00	80 - 120		
42 Ca	288400.00 ug/l	0.79	100000.00	80 - 120		
44 Ca	299500.00 ug/l	1.24	300000.00	80 - 120		
51 V	213.00 ug/l	1.51	200.00	80 - 120		
52 Cr	211.20 ug/l	2.97	200.00	80 - 120		
53 (V)	210.90 ug/l	2.80	100.00	80 - 120		
55 Mn	210.00 ug/l	2.51	200.00	80 - 120		
57 Fe	242000.00 ug/l	3.15	250000.00	80 - 120		
59 Co	201.70 ug/l	2.01	200.00	80 - 120		
60 Ni	197.80 ug/l	2.14	200.00	80 - 120		
65 Cu	192.30 ug/l	1.83	200.00	80 - 120		
66 Zn	98.19 ug/l	1.08	100.00	80 - 120		
75 As	108.10 ug/l	1.34	100.00	80 - 120		
78 Se	160.50 ug/l	1.85	0.00	0 - 0		
82 Se	104.80 ug/l	1.87	0.00	0 - 0		
95 Mo	2193.00 ug/l	3.22	2000.00	80 - 120		
98 Mo	2171.00 ug/l	3.31	2000.00	80 - 120		
107 Ag	48.95 ug/l	0.48	50.00	80 - 120		
111 Cd	104.70 ug/l	0.83	100.00	80 - 120		
114 Cd	106.20 ug/l	0.37	100.00	80 - 120		
121 Sb	0.22 ug/l	7.10	0.00	0 - 0		
137 Ba	1.53 ug/l	2.72	0.00	0 - 0		
205 Tl	0.76 ug/l	6.14	0.00	0 - 0		
208 Pb	0.19 ug/l	4.13	0.00	0 - 0		
232 Th	0.20 ug/l	10.19	0.00	0 - 0		
238 U	0.00 ug/l	19.49	0.00	0 - 0		

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC	Range(%)	Flag
6 Li	930818.81	2.61	1195058.90	77.9	60 - 125		
45 Sc	1045253.40	2.17	1239972.60	84.3	60 - 125		
74 Ge	244376.33	1.04	302319.44	80.8	60 - 125		
115 In	997779.06	0.73	1290256.50	77.3	60 - 125		
209 Bi	691826.69	1.07	905167.50	76.4	60 - 125		

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\015SMPL.D\015SMPL.D#
 Date Acquired: Aug 27 2010 11:35 pm
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: 1ppm High std
 Misc Info: 1 PPM
 Vial Number: 4103
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	994.90	994.90	ug/l	2.70	4500.00	
23 Na	103,700.00	103700.00	ug/l	2.09	135000.00	
24 Mg	97,990.00	97990.00	ug/l	1.39	135000.00	
27 Al	1,018.00	1018.00	ug/l	1.39	135000.00	
39 K	98,540.00	98540.00	ug/l	3.02	135000.00	
42 Ca	94,090.00	94090.00	ug/l	0.87	135000.00	
44 Ca	98,620.00	98620.00	ug/l	2.42	135000.00	
51 V	972.50	972.50	ug/l	1.88	4500.00	
52 Cr	971.00	971.00	ug/l	1.75	4500.00	
53 (V)	1,031.00	1031.00	ug/l	2.76	4500.00	
55 Mn	972.30	972.30	ug/l	3.37	4500.00	
57 Fe	96,880.00	96880.00	ug/l	2.64	135000.00	
59 Co	948.80	948.80	ug/l	0.97	4500.00	
60 Ni	986.90	986.90	ug/l	3.15	4500.00	
65 Cu	977.20	977.20	ug/l	3.75	3600.00	
66 Zn	968.90	968.90	ug/l	1.52	4500.00	
75 As	1,010.00	1010.00	ug/l	1.85	4500.00	
78 Se	915.00	915.00	ug/l	1.56	4500.00	
82 Se	962.90	962.90	ug/l	1.59	3600.00	
95 Mo	1,086.00	1086.00	ug/l	0.73	4500.00	
98 Mo	1,082.00	1082.00	ug/l	1.29	4500.00	
107 Ag	953.50	953.50	ug/l	2.32	4500.00	
111 Cd	1,015.00	1015.00	ug/l	1.84	4500.00	
114 Cd	1,046.00	1046.00	ug/l	2.11	4500.00	
121 Sb	1,125.00	1125.00	ug/l	2.55	4500.00	
137 Ba	1,136.00	1136.00	ug/l	2.10	4500.00	
205 Tl	1,010.00	1010.00	ug/l	1.73	4500.00	
208 Pb	1,049.00	1049.00	ug/l	1.74	4500.00	
232 Th	1,126.00	1126.00	ug/l	0.67	4500.00	
238 U	1,062.00	1062.00	ug/l	1.96	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	903862.25	2.06	1195058.90	75.6	60 - 125	
45 Sc	1010612.70	1.84	1239972.60	81.5	60 - 125	
74 Ge	241476.53	1.14	302319.44	79.9	60 - 125	
115 In	982368.63	1.43	1290256.50	76.1	60 - 125	
209 Bi	699556.19	1.31	905167.50	77.3	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\016SMPL.D\016SMPL.D#
 Date Acquired: Aug 27 2010 11:41 pm
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: rinse
 Misc Info:
 Vial Number: 2
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.20	0.20	ug/l	9.60	4500.00	
23 Na	45.93	45.93	ug/l	11.54	135000.00	
24 Mg	20.22	20.22	ug/l	14.44	135000.00	
27 Al	3.91	3.91	ug/l	10.81	135000.00	
39 K	49.01	49.01	ug/l	11.07	135000.00	
42 Ca	153.90	153.90	ug/l	17.53	135000.00	
44 Ca	28.62	28.62	ug/l	11.50	135000.00	
51 V	0.22	0.22	ug/l	19.59	4500.00	
52 Cr	0.17	0.17	ug/l	13.45	4500.00	
53 (V)	0.18	0.18	ug/l	26.61	4500.00	
55 Mn	0.25	0.25	ug/l	11.93	4500.00	
57 Fe	41.26	41.26	ug/l	8.45	135000.00	
59 Co	0.17	0.17	ug/l	12.32	4500.00	
60 Ni	0.19	0.19	ug/l	11.46	4500.00	
65 Cu	0.16	0.16	ug/l	19.33	3600.00	
66 Zn	0.26	0.26	ug/l	15.12	4500.00	
75 As	0.42	0.42	ug/l	12.62	4500.00	
78 Se	70.19	70.19	ug/l	0.40	4500.00	
82 Se	0.84	0.84	ug/l	18.84	3600.00	
95 Mo	16.65	16.65	ug/l	4.50	4500.00	
98 Mo	16.60	16.60	ug/l	3.77	4500.00	
107 Ag	2.37	2.37	ug/l	12.24	4500.00	
111 Cd	0.17	0.17	ug/l	10.31	4500.00	
114 Cd	0.19	0.19	ug/l	13.47	4500.00	
121 Sb	0.30	0.30	ug/l	7.31	4500.00	
137 Ba	0.18	0.18	ug/l	3.12	4500.00	
205 Tl	0.19	0.19	ug/l	9.70	4500.00	
208 Pb	0.18	0.18	ug/l	15.40	4500.00	
232 Th	7.99	7.99	ug/l	12.67	4500.00	
238 U	0.24	0.24	ug/l	14.11	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	979097.81	1.09	1195058.90	81.9	60 - 125	
45 Sc	1032995.40	0.88	1239972.60	83.3	60 - 125	
74 Ge	249341.69	0.34	302319.44	82.5	60 - 125	
115 In	1067685.30	2.22	1290256.50	82.7	60 - 125	
209 Bi	768545.94	0.21	905167.50	84.9	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\017SMPL.D\017SMPL.D#
 Date Acquired: Aug 27 2010 11:47 pm
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: rinse
 Misc Info:
 Vial Number: 2
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.04	0.04	ug/l	22.55	4500.00	
23 Na	15.51	15.51	ug/l	9.77	135000.00	
24 Mg	4.06	4.06	ug/l	12.59	135000.00	
27 Al	1.65	1.65	ug/l	6.45	135000.00	
39 K	19.84	19.84	ug/l	6.23	135000.00	
42 Ca	36.05	36.05	ug/l	20.28	135000.00	
44 Ca	7.30	7.30	ug/l	14.87	135000.00	
51 V	0.01	0.01	ug/l	99.24	4500.00	
52 Cr	-0.05	-0.05	ug/l	22.36	4500.00	
53 (V)	0.05	0.05	ug/l	38.01	4500.00	
55 Mn	0.07	0.07	ug/l	12.06	4500.00	
57 Fe	16.58	16.58	ug/l	11.24	135000.00	
59 Co	0.03	0.03	ug/l	10.34	4500.00	
60 Ni	0.03	0.03	ug/l	18.79	4500.00	
65 Cu	0.03	0.03	ug/l	22.41	3600.00	
66 Zn	0.09	0.09	ug/l	1.74	4500.00	
75 As	0.17	0.17	ug/l	18.59	4500.00	
78 Se	60.44	60.44	ug/l	1.03	4500.00	
82 Se	0.20	0.20	ug/l	53.74	3600.00	
95 Mo	5.74	5.74	ug/l	1.98	4500.00	
98 Mo	5.79	5.79	ug/l	2.60	4500.00	
107 Ag	0.54	0.54	ug/l	17.72	4500.00	
111 Cd	0.03	0.03	ug/l	29.05	4500.00	
114 Cd	0.03	0.03	ug/l	9.82	4500.00	
121 Sb	0.07	0.07	ug/l	2.60	4500.00	
137 Ba	0.03	0.03	ug/l	49.00	4500.00	
205 Tl	0.04	0.04	ug/l	9.85	4500.00	
208 Pb	0.03	0.03	ug/l	12.86	4500.00	
232 Th	1.36	1.36	ug/l	7.98	4500.00	
238 U	0.04	0.04	ug/l	12.54	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1025270.70	1.43	1195058.90	85.8	60 - 125	
45 Sc	1111073.80	0.21	1239972.60	89.6	60 - 125	
74 Ge	259473.84	0.31	302319.44	85.8	60 - 125	
115 In	1160726.00	0.34	1290256.50	90.0	60 - 125	
209 Bi	806833.69	0.77	905167.50	89.1	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\018SMPL.D\018SMPL.D#
 Date Acquired: Aug 27 2010 11:53 pm
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: rinse
 Misc Info:
 Vial Number: 2
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.02	0.02	ug/l	12.25	4500.00	
23 Na	10.82	10.82	ug/l	9.12	135000.00	
24 Mg	2.24	2.24	ug/l	7.69	135000.00	
27 Al	1.11	1.11	ug/l	4.72	135000.00	
39 K	24.71	24.71	ug/l	11.04	135000.00	
42 Ca	149.60	149.60	ug/l	33.71	135000.00	
44 Ca	5.89	5.89	ug/l	17.49	135000.00	
51 V	0.02	0.02	ug/l	39.27	4500.00	
52 Cr	0.01	0.01	ug/l	148.73	4500.00	
53 (V)	0.01	0.01	ug/l	231.94	4500.00	
55 Mn	0.05	0.05	ug/l	5.70	4500.00	
57 Fe	17.79	17.79	ug/l	10.23	135000.00	
59 Co	0.01	0.01	ug/l	10.67	4500.00	
60 Ni	0.01	0.01	ug/l	54.68	4500.00	
65 Cu	0.02	0.02	ug/l	115.80	3600.00	
66 Zn	0.07	0.07	ug/l	46.20	4500.00	
75 As	0.07	0.07	ug/l	30.05	4500.00	
78 Se	65.15	65.15	ug/l	7.12	4500.00	
82 Se	0.05	0.05	ug/l	305.79	3600.00	
95 Mo	3.00	3.00	ug/l	1.67	4500.00	
98 Mo	2.98	2.98	ug/l	3.20	4500.00	
107 Ag	0.27	0.27	ug/l	5.50	4500.00	
111 Cd	0.02	0.02	ug/l	11.45	4500.00	
114 Cd	0.02	0.02	ug/l	5.06	4500.00	
121 Sb	0.04	0.04	ug/l	7.21	4500.00	
137 Ba	0.01	0.01	ug/l	60.33	4500.00	
205 Tl	0.02	0.02	ug/l	4.25	4500.00	
208 Pb	0.01	0.01	ug/l	7.84	4500.00	
232 Th	0.38	0.38	ug/l	7.24	4500.00	
238 U	0.02	0.02	ug/l	11.54	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1016028.00	1.69	1195058.90	85.0	60 - 125	
45 Sc	1041501.80	1.91	1239972.60	84.0	60 - 125	
74 Ge	251639.86	1.14	302319.44	83.2	60 - 125	
115 In	1097800.10	2.64	1290256.50	85.1	60 - 125	
209 Bi	776587.44	1.49	905167.50	85.8	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\019SMPL.D\019SMPL.D#
 Date Acquired: Aug 27 2010 11:59 pm
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: l1012243-20,dod-6020t
 Misc Info: wg427203
 Vial Number: 2101
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.02	0.02	ug/l	42.99	4500.00	
23 Na	9.49	9.49	ug/l	13.03	135000.00	
24 Mg	1.44	1.44	ug/l	11.33	135000.00	
27 Al	2.52	2.52	ug/l	13.45	135000.00	
39 K	15.92	15.92	ug/l	37.90	135000.00	
42 Ca	27.40	27.40	ug/l	336.82	135000.00	
44 Ca	10.01	10.01	ug/l	18.40	135000.00	
51 V	0.03	0.03	ug/l	28.19	4500.00	
52 Cr	0.24	0.24	ug/l	27.12	4500.00	
53 (V)	0.19	0.19	ug/l	23.22	4500.00	
55 Mn	0.06	0.06	ug/l	27.59	4500.00	
57 Fe	12.31	12.31	ug/l	30.76	135000.00	
59 Co	0.01	0.01	ug/l	24.39	4500.00	
60 Ni	0.03	0.03	ug/l	51.15	4500.00	
65 Cu	0.08	0.08	ug/l	19.63	3600.00	
66 Zn	0.38	0.38	ug/l	17.81	4500.00	
75 As	0.03	0.03	ug/l	47.98	4500.00	
78 Se	62.07	62.07	ug/l	13.21	4500.00	
82 Se	0.10	0.10	ug/l	57.24	3600.00	
95 Mo	2.04	2.04	ug/l	8.16	4500.00	
98 Mo	2.04	2.04	ug/l	5.37	4500.00	
107 Ag	0.16	0.16	ug/l	13.24	4500.00	
111 Cd	0.01	0.01	ug/l	15.08	4500.00	
114 Cd	0.01	0.01	ug/l	44.82	4500.00	
121 Sb	0.03	0.03	ug/l	25.57	4500.00	
137 Ba	0.03	0.03	ug/l	52.36	4500.00	
205 Tl	0.01	0.01	ug/l	29.42	4500.00	
208 Pb	0.03	0.03	ug/l	14.95	4500.00	
232 Th	0.23	0.23	ug/l	21.90	4500.00	
238 U	0.01	0.01	ug/l	7.82	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1059480.30	3.02	1195058.90	88.7	60 - 125	
45 Sc	1091068.60	5.73	1239972.60	88.0	60 - 125	
74 Ge	255043.25	4.32	302319.44	84.4	60 - 125	
115 In	1118747.40	6.82	1290256.50	86.7	60 - 125	
209 Bi	791927.38	5.71	905167.50	87.5	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\020SMPL.D\020SMPL.D#
 Date Acquired: Aug 28 2010 12:05 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: p60wg429675-1,6020tl
 Misc Info: wg429675
 Vial Number: 2102
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.01	0.01	ug/l	35.08	4500.00	
23 Na	5.81	5.81	ug/l	6.43	135000.00	
24 Mg	1.42	1.42	ug/l	3.78	135000.00	
27 Al	1.24	1.24	ug/l	4.96	135000.00	
39 K	15.71	15.71	ug/l	23.00	135000.00	
42 Ca	42.84	42.84	ug/l	122.06	135000.00	
44 Ca	12.29	12.29	ug/l	5.95	135000.00	
51 V	0.01	0.01	ug/l	14.34	4500.00	
52 Cr	0.05	0.05	ug/l	18.01	4500.00	
53 (V)	0.03	0.03	ug/l	15.15	4500.00	
55 Mn	0.05	0.05	ug/l	14.19	4500.00	
57 Fe	10.52	10.52	ug/l	24.72	135000.00	
59 Co	0.00	0.00	ug/l	57.43	4500.00	
60 Ni	0.04	0.04	ug/l	34.71	4500.00	
65 Cu	0.04	0.04	ug/l	27.58	3600.00	
66 Zn	0.49	0.49	ug/l	3.37	4500.00	
75 As	0.04	0.04	ug/l	84.53	4500.00	
78 Se	60.40	60.40	ug/l	7.70	4500.00	
82 Se	-0.10	-0.10	ug/l	138.53	3600.00	
95 Mo	1.45	1.45	ug/l	9.36	4500.00	
98 Mo	1.50	1.50	ug/l	9.03	4500.00	
107 Ag	0.09	0.09	ug/l	11.68	4500.00	
111 Cd	0.01	0.01	ug/l	126.06	4500.00	
114 Cd	0.01	0.01	ug/l	15.19	4500.00	
121 Sb	0.02	0.02	ug/l	18.72	4500.00	
137 Ba	0.02	0.02	ug/l	21.58	4500.00	
205 Tl	0.01	0.01	ug/l	27.36	4500.00	
208 Pb	0.01	0.01	ug/l	24.90	4500.00	
232 Th	0.10	0.10	ug/l	27.60	4500.00	
238 U	0.00	0.00	ug/l	1.78	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1062290.50	1.00	1195058.90	88.9	60 - 125	
45 Sc	1080492.10	2.41	1239972.60	87.1	60 - 125	
74 Ge	256697.39	2.02	302319.44	84.9	60 - 125	
115 In	1117835.90	2.50	1290256.50	86.6	60 - 125	
209 Bi	790907.13	2.28	905167.50	87.4	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\021SMPL.D\021SMPL.D#
 Date Acquired: Aug 28 2010 12:11 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: p58wg429681-1,6020tl
 Misc Info: wg429681
 Vial Number: 2310
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.01	0.01	ug/l	79.26	4500.00	
23 Na	6.69	6.69	ug/l	17.31	135000.00	
24 Mg	1.23	1.23	ug/l	2.69	135000.00	
27 Al	1.19	1.19	ug/l	0.79	135000.00	
39 K	19.76	19.76	ug/l	14.09	135000.00	
42 Ca	168.20	168.20	ug/l	46.01	135000.00	
44 Ca	11.02	11.02	ug/l	16.71	135000.00	
51 V	0.03	0.03	ug/l	26.76	4500.00	
52 Cr	0.09	0.09	ug/l	1.86	4500.00	
53 (V)	0.04	0.04	ug/l	45.94	4500.00	
55 Mn	0.05	0.05	ug/l	8.26	4500.00	
57 Fe	14.80	14.80	ug/l	19.85	135000.00	
59 Co	0.00	0.00	ug/l	109.96	4500.00	
60 Ni	0.02	0.02	ug/l	42.80	4500.00	
65 Cu	0.06	0.06	ug/l	14.95	3600.00	
66 Zn	0.30	0.30	ug/l	5.26	4500.00	
75 As	0.06	0.06	ug/l	43.06	4500.00	
78 Se	66.09	66.09	ug/l	4.69	4500.00	
82 Se	0.08	0.08	ug/l	37.91	3600.00	
95 Mo	1.31	1.31	ug/l	8.39	4500.00	
98 Mo	1.31	1.31	ug/l	7.07	4500.00	
107 Ag	0.08	0.08	ug/l	10.60	4500.00	
111 Cd	0.00	0.00	ug/l	323.16	4500.00	
114 Cd	0.01	0.01	ug/l	80.92	4500.00	
121 Sb	0.02	0.02	ug/l	24.29	4500.00	
137 Ba	0.02	0.02	ug/l	79.29	4500.00	
205 Tl	0.00	0.00	ug/l	10.14	4500.00	
208 Pb	0.02	0.02	ug/l	7.96	4500.00	
232 Th	0.05	0.05	ug/l	17.37	4500.00	
238 U	0.00	0.00	ug/l	14.86	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1007921.90	2.66	1195058.90	84.3	60 - 125	
45 Sc	1029232.50	2.68	1239972.60	83.0	60 - 125	
74 Ge	249076.80	0.55	302319.44	82.4	60 - 125	
115 In	1049963.80	4.04	1290256.50	81.4	60 - 125	
209 Bi	755851.00	2.78	905167.50	83.5	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

CCV QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\022CCV1.D\022CCV1.D#
 Date Acquired: Aug 28 2010 12:18 am
 Operator: bm
 Sample Name: CCV
 Misc Info: ccv
 Vial Number: 1201
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal Update: Aug 27 2010 11:00 pm
 Sample Type: CCV1
 Total Dil Factor: 1.00

QC Elements

Element	Conc.	RSD(%)	Expected QC	Range(%)	Flag
9 Be	48.85 ug/l	2.53	50.00	90 - 110	
23 Na	4943.00 ug/l	2.41	5000.00	90 - 110	
24 Mg	5013.00 ug/l	1.94	5000.00	90 - 110	
27 Al	49.41 ug/l	2.43	50.00	90 - 110	
39 K	4970.00 ug/l	1.75	5000.00	90 - 110	
42 Ca	4836.00 ug/l	1.54	5000.00	90 - 110	
44 Ca	5054.00 ug/l	0.71	5000.00	90 - 110	
51 V	46.78 ug/l	1.94	50.00	90 - 110	
52 Cr	48.68 ug/l	1.60	50.00	90 - 110	
53 (V)	50.39 ug/l	1.04	50.00	90 - 110	
55 Mn	48.30 ug/l	1.77	50.00	90 - 110	
57 Fe	5159.00 ug/l	1.11	5000.00	90 - 110	
59 Co	48.80 ug/l	1.18	50.00	90 - 110	
60 Ni	50.60 ug/l	1.25	50.00	90 - 110	
65 Cu	50.76 ug/l	1.47	50.00	90 - 110	
66 Zn	49.80 ug/l	1.80	50.00	90 - 110	
75 As	49.26 ug/l	2.56	50.00	90 - 110	
78 Se	105.50 ug/l	4.20	50.00	90 - 110	Fail
82 Se	49.75 ug/l	1.89	50.00	90 - 110	
95 Mo	50.24 ug/l	3.96	50.00	90 - 110	
98 Mo	50.51 ug/l	3.14	50.00	90 - 110	
107 Ag	50.32 ug/l	1.49	50.00	90 - 110	
111 Cd	51.15 ug/l	2.25	50.00	90 - 110	
114 Cd	51.08 ug/l	1.81	50.00	90 - 110	
121 Sb	50.42 ug/l	1.79	50.00	90 - 110	
137 Ba	50.57 ug/l	2.03	50.00	90 - 110	
205 Tl	46.82 ug/l	1.80	50.00	90 - 110	
208 Pb	48.20 ug/l	2.10	50.00	90 - 110	
232 Th	41.63 ug/l	2.17	50.00	90 - 110	Fail
238 U	46.40 ug/l	3.05	50.00	90 - 110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC	Range(%)	Flag
6 Li	1002506.30	1.65	1195058.90	83.9	60 - 125		
45 Sc	1060224.80	1.59	1239972.60	85.5	60 - 125		
74 Ge	253731.53	1.27	302319.44	83.9	60 - 125		
115 In	1062806.10	3.93	1290256.50	82.4	60 - 125		
209 Bi	760467.31	1.18	905167.50	84.0	60 - 125		

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

2 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

CCB QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\023_CCB.D\023_CCB.D#
 Date Acquired: Aug 28 2010 12:24 am
 Operator: bm
 Sample Name: CCB
 Misc Info: ccb
 Vial Number: 1202
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal Update: Aug 27 2010 11:00 pm
 Sample Type: CCB
 Total Dil Factor: 1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
9 Be	0.01 ug/l	42.80	1.00	
23 Na	5.66 ug/l	31.68	100.00	
24 Mg	1.00 ug/l	9.24	100.00	
27 Al	0.21 ug/l	4.73	100.00	
39 K	20.66 ug/l	8.49	100.00	
42 Ca	174.30 ug/l	19.94	100.00	
44 Ca	2.30 ug/l	22.20	100.00	
51 V	0.01 ug/l	94.22	10.00	
52 Cr	0.03 ug/l	127.07	10.00	
53 (V)	0.03 ug/l	22.89	10.00	
55 Mn	0.03 ug/l	24.25	10.00	
57 Fe	14.33 ug/l	2.98	100.00	
59 Co	0.01 ug/l	30.77	10.00	
60 Ni	0.06 ug/l	12.61	10.00	
65 Cu	0.00 ug/l	711.54	20.00	
66 Zn	0.00 ug/l	246.92	20.00	
75 As	0.06 ug/l	52.00	10.00	
78 Se	57.57 ug/l	8.34	20.00	Fail
82 Se	0.21 ug/l	27.90	20.00	
95 Mo	1.27 ug/l	8.21	100.00	
98 Mo	1.23 ug/l	11.24	100.00	
107 Ag	0.06 ug/l	2.91	1.00	
111 Cd	0.01 ug/l	18.77	1.00	
114 Cd	0.02 ug/l	51.04	1.00	
121 Sb	0.02 ug/l	32.30	1.00	
137 Ba	0.03 ug/l	42.16	1.00	
205 Tl	0.02 ug/l	27.56	1.00	
208 Pb	0.01 ug/l	19.60	1.00	
232 Th	2.01 ug/l	14.49	1.00	Fail
238 U	0.02 ug/l	18.15	1.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1022937.60	5.08	1195058.90	85.6	60 - 125	
45 Sc	1057651.10	1.43	1239972.60	85.3	60 - 125	
74 Ge	257016.84	1.62	302319.44	85.0	60 - 125	
115 In	1111414.60	0.65	1290256.50	86.1	60 - 125	
209 Bi	784455.69	1.39	905167.50	86.7	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

2 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\024SMPL.D\024SMPL.D#
 Date Acquired: Aug 28 2010 12:30 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: p62wg429844-1,6020tl
 Misc Info: wg429844
 Vial Number: 2510
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.00	0.00	ug/l	53.34	4500.00	
23 Na	5.77	5.77	ug/l	3.99	135000.00	
24 Mg	1.48	1.48	ug/l	2.85	135000.00	
27 Al	3.05	3.05	ug/l	1.56	135000.00	
39 K	11.86	11.86	ug/l	8.56	135000.00	
42 Ca	48.41	48.41	ug/l	38.77	135000.00	
44 Ca	13.24	13.24	ug/l	1.54	135000.00	
51 V	0.01	0.01	ug/l	101.80	4500.00	
52 Cr	0.01	0.01	ug/l	101.62	4500.00	
53 (V)	0.01	0.01	ug/l	234.69	4500.00	
55 Mn	0.05	0.05	ug/l	13.83	4500.00	
57 Fe	13.67	13.67	ug/l	7.16	135000.00	
59 Co	0.00	0.00	ug/l	23.74	4500.00	
60 Ni	0.02	0.02	ug/l	23.85	4500.00	
65 Cu	0.04	0.04	ug/l	9.09	3600.00	
66 Zn	0.70	0.70	ug/l	3.68	4500.00	
75 As	0.02	0.02	ug/l	64.79	4500.00	
78 Se	55.77	55.77	ug/l	1.57	4500.00	
82 Se	-0.06	-0.06	ug/l	149.50	3600.00	
95 Mo	0.69	0.69	ug/l	10.75	4500.00	
98 Mo	0.72	0.72	ug/l	10.30	4500.00	
107 Ag	0.05	0.05	ug/l	18.80	4500.00	
111 Cd	0.01	0.01	ug/l	25.16	4500.00	
114 Cd	0.00	0.00	ug/l	52.54	4500.00	
121 Sb	0.01	0.01	ug/l	69.51	4500.00	
137 Ba	0.03	0.03	ug/l	60.60	4500.00	
205 Tl	0.01	0.01	ug/l	3.22	4500.00	
208 Pb	0.00	0.00	ug/l	21.34	4500.00	
232 Th	0.60	0.60	ug/l	23.02	4500.00	
238 U	0.00	0.00	ug/l	3.37	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1065207.90	0.65	1195058.90	89.1	60 - 125	
45 Sc	1104682.80	0.48	1239972.60	89.1	60 - 125	
74 Ge	258626.33	0.91	302319.44	85.5	60 - 125	
115 In	1137931.50	0.82	1290256.50	88.2	60 - 125	
209 Bi	802748.19	0.73	905167.50	88.7	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\025SMPL.D\025SMPL.D#
 Date Acquired: Aug 28 2010 12:36 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: p63wg429842-1,6020sl
 Misc Info: wg429842
 Vial Number: 3109
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.01	0.01	ug/l	19.90	4500.00	
23 Na	5.96	5.96	ug/l	22.08	135000.00	
24 Mg	1.13	1.13	ug/l	6.10	135000.00	
27 Al	1.09	1.09	ug/l	8.08	135000.00	
39 K	14.14	14.14	ug/l	54.48	135000.00	
42 Ca	119.40	119.40	ug/l	96.65	135000.00	
44 Ca	14.45	14.45	ug/l	15.24	135000.00	
51 V	0.01	0.01	ug/l	46.48	4500.00	
52 Cr	0.11	0.11	ug/l	24.02	4500.00	
53 (V)	0.11	0.11	ug/l	5.28	4500.00	
55 Mn	0.05	0.05	ug/l	11.64	4500.00	
57 Fe	12.48	12.48	ug/l	40.48	135000.00	
59 Co	0.00	0.00	ug/l	35.36	4500.00	
60 Ni	0.03	0.03	ug/l	30.40	4500.00	
65 Cu	0.03	0.03	ug/l	17.55	3600.00	
66 Zn	0.62	0.62	ug/l	3.57	4500.00	
75 As	-0.01	-0.01	ug/l	242.78	4500.00	
78 Se	61.14	61.14	ug/l	5.89	4500.00	
82 Se	-0.05	-0.05	ug/l	131.80	3600.00	
95 Mo	0.64	0.64	ug/l	11.10	4500.00	
98 Mo	0.63	0.63	ug/l	5.52	4500.00	
107 Ag	0.03	0.03	ug/l	13.63	4500.00	
111 Cd	0.00	0.00	ug/l	158.04	4500.00	
114 Cd	0.01	0.01	ug/l	79.07	4500.00	
121 Sb	0.01	0.01	ug/l	56.83	4500.00	
137 Ba	0.02	0.02	ug/l	72.75	4500.00	
205 Tl	0.00	0.00	ug/l	9.67	4500.00	
208 Pb	0.00	0.00	ug/l	6.72	4500.00	
232 Th	0.13	0.13	ug/l	22.04	4500.00	
238 U	0.00	0.00	ug/l	23.52	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1024323.80	3.99	1195058.90	85.7	60 - 125	
45 Sc	1066737.10	5.61	1239972.60	86.0	60 - 125	
74 Ge	253773.41	1.59	302319.44	83.9	60 - 125	
115 In	1092594.10	7.02	1290256.50	84.7	60 - 125	
209 Bi	774356.94	3.73	905167.50	85.5	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\026SMPL.D\026SMPL.D#
 Date Acquired: Aug 28 2010 12:42 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: p63wg429839-3,mcp-6020sl-10
 Misc Info: wg429839
 Vial Number: 3205
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 4.00
 Autodil Factor: Undiluted
 Final Dil Factor: 4.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	49.16	12.29	ug/l	2.98	4500.00	
23 Na	9,900.00	2475.00	ug/l	3.67	135000.00	
24 Mg	10,324.00	2581.00	ug/l	3.70	135000.00	
27 Al	1,955.60	488.90	ug/l	3.48	135000.00	
39 K	10,080.00	2520.00	ug/l	3.34	135000.00	
42 Ca	9,832.00	2458.00	ug/l	7.42	135000.00	
44 Ca	10,204.00	2551.00	ug/l	3.58	135000.00	
51 V	504.80	126.20	ug/l	4.14	4500.00	
52 Cr	195.96	48.99	ug/l	4.72	4500.00	
53 (V)	202.52	50.63	ug/l	5.32	4500.00	
55 Mn	512.80	128.20	ug/l	3.61	4500.00	
57 Fe	1,074.00	268.50	ug/l	5.25	135000.00	
59 Co	524.80	131.20	ug/l	4.42	4500.00	
60 Ni	520.80	130.20	ug/l	3.98	4500.00	
65 Cu	258.92	64.73	ug/l	3.85	3600.00	
66 Zn	512.40	128.10	ug/l	2.89	4500.00	
75 As	117.36	29.34	ug/l	1.66	4500.00	
78 Se	324.92	81.23	ug/l	10.57	4500.00	
82 Se	124.08	31.02	ug/l	2.98	3600.00	
95 Mo	1,004.40	251.10	ug/l	1.63	4500.00	
98 Mo	1,022.80	255.70	ug/l	3.56	4500.00	
107 Ag	49.16	12.29	ug/l	3.67	4500.00	
111 Cd	55.96	13.99	ug/l	2.54	4500.00	
114 Cd	71.16	17.79	ug/l	4.20	4500.00	
121 Sb	486.00	121.50	ug/l	3.16	4500.00	
137 Ba	1,995.60	498.90	ug/l	3.32	4500.00	
205 Tl	110.40	27.60	ug/l	3.10	4500.00	
208 Pb	506.80	126.70	ug/l	3.22	4500.00	
232 Th	0.25	0.06	ug/l	11.56	4500.00	
238 U	0.01	0.00	ug/l	34.16	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1045542.10	3.71	1195058.90	87.5	60 - 125	
45 Sc	1082662.30	4.65	1239972.60	87.3	60 - 125	
74 Ge	259304.55	2.94	302319.44	85.8	60 - 125	
115 In	1116998.90	4.19	1290256.50	86.6	60 - 125	
209 Bi	796266.38	3.66	905167.50	88.0	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\027SMPL.D\027SMPL.D#
 Date Acquired: Aug 28 2010 12:48 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: p63wg429842-2,6020sl
 Misc Info: wg429842
 Vial Number: 3110
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 4.00
 Autodil Factor: Undiluted
 Final Dil Factor: 4.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	50.88	12.72	ug/l	2.80	4500.00	
23 Na	10,052.00	2513.00	ug/l	1.64	135000.00	
24 Mg	10,356.00	2589.00	ug/l	4.62	135000.00	
27 Al	1,962.40	490.60	ug/l	4.65	135000.00	
39 K	10,168.00	2542.00	ug/l	6.00	135000.00	
42 Ca	10,024.00	2506.00	ug/l	5.38	135000.00	
44 Ca	10,284.00	2571.00	ug/l	6.97	135000.00	
51 V	512.00	128.00	ug/l	4.67	4500.00	
52 Cr	197.32	49.33	ug/l	5.36	4500.00	
53 (V)	202.20	50.55	ug/l	4.41	4500.00	
55 Mn	516.40	129.10	ug/l	5.03	4500.00	
57 Fe	1,080.80	270.20	ug/l	4.89	135000.00	
59 Co	529.20	132.30	ug/l	4.82	4500.00	
60 Ni	518.80	129.70	ug/l	4.62	4500.00	
65 Cu	261.08	65.27	ug/l	5.05	3600.00	
66 Zn	514.00	128.50	ug/l	3.16	4500.00	
75 As	121.32	30.33	ug/l	5.89	4500.00	
78 Se	342.36	85.59	ug/l	2.92	4500.00	
82 Se	126.04	31.51	ug/l	5.79	3600.00	
95 Mo	1,036.40	259.10	ug/l	4.30	4500.00	
98 Mo	1,055.60	263.90	ug/l	5.75	4500.00	
107 Ag	49.68	12.42	ug/l	5.43	4500.00	
111 Cd	57.04	14.26	ug/l	6.48	4500.00	
114 Cd	72.32	18.08	ug/l	6.61	4500.00	
121 Sb	498.80	124.70	ug/l	7.35	4500.00	
137 Ba	2,042.40	510.60	ug/l	6.56	4500.00	
205 Tl	115.08	28.77	ug/l	3.56	4500.00	
208 Pb	528.80	132.20	ug/l	4.08	4500.00	
232 Th	0.13	0.03	ug/l	22.97	4500.00	
238 U	0.01	0.00	ug/l	50.83	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1005962.10	1.59	1195058.90	84.2	60 - 125	
45 Sc	1065506.00	2.10	1239972.60	85.9	60 - 125	
74 Ge	252409.23	0.43	302319.44	83.5	60 - 125	
115 In	1088028.50	3.91	1290256.50	84.3	60 - 125	
209 Bi	763957.44	1.74	905167.50	84.4	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\028SMPL.D\028SMPL.D#
 Date Acquired: Aug 28 2010 12:54 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: p62wg429844-2,6020tl
 Misc Info: wg429844
 Vial Number: 2511
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 4.00
 Autodil Factor: Undiluted
 Final Dil Factor: 4.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	50.72	12.68	ug/l	1.97	4500.00	
23 Na	10,064.00	2516.00	ug/l	2.48	135000.00	
24 Mg	10,400.00	2600.00	ug/l	2.16	135000.00	
27 Al	1,976.80	494.20	ug/l	2.17	135000.00	
39 K	10,192.00	2548.00	ug/l	4.69	135000.00	
42 Ca	10,256.00	2564.00	ug/l	6.51	135000.00	
44 Ca	10,304.00	2576.00	ug/l	4.50	135000.00	
51 V	513.60	128.40	ug/l	2.25	4500.00	
52 Cr	198.40	49.60	ug/l	2.95	4500.00	
53 (V)	204.04	51.01	ug/l	3.67	4500.00	
55 Mn	521.20	130.30	ug/l	3.49	4500.00	
57 Fe	1,094.40	273.60	ug/l	2.80	135000.00	
59 Co	534.00	133.50	ug/l	1.75	4500.00	
60 Ni	528.00	132.00	ug/l	3.39	4500.00	
65 Cu	264.36	66.09	ug/l	2.96	3600.00	
66 Zn	516.80	129.20	ug/l	1.64	4500.00	
75 As	120.96	30.24	ug/l	4.72	4500.00	
78 Se	350.48	87.62	ug/l	1.73	4500.00	
82 Se	130.08	32.52	ug/l	3.01	3600.00	
95 Mo	1,034.40	258.60	ug/l	2.29	4500.00	
98 Mo	1,052.00	263.00	ug/l	3.03	4500.00	
107 Ag	51.16	12.79	ug/l	5.72	4500.00	
111 Cd	59.00	14.75	ug/l	3.48	4500.00	
114 Cd	75.04	18.76	ug/l	4.81	4500.00	
121 Sb	516.40	129.10	ug/l	5.13	4500.00	
137 Ba	2,107.20	526.80	ug/l	4.94	4500.00	
205 Tl	114.56	28.64	ug/l	1.92	4500.00	
208 Pb	526.00	131.50	ug/l	2.98	4500.00	
232 Th	0.08	0.02	ug/l	29.82	4500.00	
238 U	0.01	0.00	ug/l	28.06	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1002553.40	0.38	1195058.90	83.9	60 - 125	
45 Sc	1049944.60	2.87	1239972.60	84.7	60 - 125	
74 Ge	251096.81	0.42	302319.44	83.1	60 - 125	
115 In	1041001.10	3.32	1290256.50	80.7	60 - 125	
209 Bi	749571.25	1.22	905167.50	82.8	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures
 0 :ISTD Failures

0 :Max. Number of Failures Allowed
 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\029SMPL.D\029SMPL.D#
 Date Acquired: Aug 28 2010 01:00 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: p58wg429681-2,6020tl
 Misc Info: wg429681
 Vial Number: 2311
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 4.00
 Autodil Factor: Undiluted
 Final Dil Factor: 4.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	50.16	12.54	ug/l	3.00	4500.00	
23 Na	9,984.00	2496.00	ug/l	3.34	135000.00	
24 Mg	10,368.00	2592.00	ug/l	4.89	135000.00	
27 Al	1,963.20	490.80	ug/l	5.32	135000.00	
39 K	10,324.00	2581.00	ug/l	5.23	135000.00	
42 Ca	10,284.00	2571.00	ug/l	13.21	135000.00	
44 Ca	10,304.00	2576.00	ug/l	3.52	135000.00	
51 V	508.40	127.10	ug/l	5.32	4500.00	
52 Cr	198.16	49.54	ug/l	6.60	4500.00	
53 (V)	204.48	51.12	ug/l	7.58	4500.00	
55 Mn	522.00	130.50	ug/l	7.85	4500.00	
57 Fe	1,092.80	273.20	ug/l	7.62	135000.00	
59 Co	523.20	130.80	ug/l	4.72	4500.00	
60 Ni	522.80	130.70	ug/l	5.75	4500.00	
65 Cu	261.48	65.37	ug/l	5.71	3600.00	
66 Zn	516.40	129.10	ug/l	2.85	4500.00	
75 As	120.08	30.02	ug/l	1.14	4500.00	
78 Se	337.64	84.41	ug/l	11.66	4500.00	
82 Se	127.68	31.92	ug/l	3.58	3600.00	
95 Mo	1,033.20	258.30	ug/l	1.36	4500.00	
98 Mo	1,065.60	266.40	ug/l	0.77	4500.00	
107 Ag	49.48	12.37	ug/l	3.06	4500.00	
111 Cd	56.88	14.22	ug/l	5.05	4500.00	
114 Cd	72.20	18.05	ug/l	5.03	4500.00	
121 Sb	499.20	124.80	ug/l	3.55	4500.00	
137 Ba	2,028.00	507.00	ug/l	3.33	4500.00	
205 Tl	112.76	28.19	ug/l	3.48	4500.00	
208 Pb	516.00	129.00	ug/l	3.99	4500.00	
232 Th	0.06	0.02	ug/l	16.68	4500.00	
238 U	0.01	0.00	ug/l	5.30	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1038826.10	4.69	1195058.90	86.9	60 - 125	
45 Sc	1063352.50	7.11	1239972.60	85.8	60 - 125	
74 Ge	253705.02	4.01	302319.44	83.9	60 - 125	
115 In	1087364.40	5.20	1290256.50	84.3	60 - 125	
209 Bi	775575.13	5.56	905167.50	85.7	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\030SMPL.D\030SMPL.D#
 Date Acquired: Aug 28 2010 01:06 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: p60wg429675-2,6020tl
 Misc Info: wg429675
 Vial Number: 2103
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 4.00
 Autodil Factor: Undiluted
 Final Dil Factor: 4.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	48.36	12.09	ug/l	1.29	4500.00	
23 Na	9,644.00	2411.00	ug/l	0.92	135000.00	
24 Mg	10,056.00	2514.00	ug/l	5.49	135000.00	
27 Al	1,901.60	475.40	ug/l	5.18	135000.00	
39 K	9,892.00	2473.00	ug/l	4.99	135000.00	
42 Ca	9,560.00	2390.00	ug/l	9.41	135000.00	
44 Ca	10,068.00	2517.00	ug/l	5.13	135000.00	
51 V	485.60	121.40	ug/l	4.57	4500.00	
52 Cr	191.60	47.90	ug/l	3.91	4500.00	
53 (V)	196.16	49.04	ug/l	4.48	4500.00	
55 Mn	498.00	124.50	ug/l	3.31	4500.00	
57 Fe	1,043.60	260.90	ug/l	5.54	135000.00	
59 Co	505.60	126.40	ug/l	3.53	4500.00	
60 Ni	500.80	125.20	ug/l	3.34	4500.00	
65 Cu	251.52	62.88	ug/l	3.68	3600.00	
66 Zn	496.00	124.00	ug/l	0.91	4500.00	
75 As	117.60	29.40	ug/l	2.88	4500.00	
78 Se	305.04	76.26	ug/l	5.80	4500.00	
82 Se	123.52	30.88	ug/l	1.05	3600.00	
95 Mo	998.40	249.60	ug/l	2.82	4500.00	
98 Mo	1,013.60	253.40	ug/l	3.90	4500.00	
107 Ag	46.64	11.66	ug/l	2.88	4500.00	
111 Cd	54.16	13.54	ug/l	2.27	4500.00	
114 Cd	68.36	17.09	ug/l	3.02	4500.00	
121 Sb	466.00	116.50	ug/l	2.49	4500.00	
137 Ba	1,901.60	475.40	ug/l	2.40	4500.00	
205 Tl	109.76	27.44	ug/l	0.75	4500.00	
208 Pb	502.00	125.50	ug/l	1.14	4500.00	
232 Th	0.07	0.02	ug/l	18.38	4500.00	
238 U	0.00	0.00	ug/l	31.15	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1063536.40	1.97	1195058.90	89.0	60 - 125	
45 Sc	1097372.00	6.03	1239972.60	88.5	60 - 125	
74 Ge	261337.47	1.37	302319.44	86.4	60 - 125	
115 In	1146277.40	4.88	1290256.50	88.8	60 - 125	
209 Bi	792385.31	2.97	905167.50	87.5	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\031SMPL.D\031SMPL.D#
 Date Acquired: Aug 28 2010 01:12 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: wg429675-5,6020tl
 Misc Info: wg429675
 Vial Number: 2104
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
 Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.22	0.04	ug/l	25.27	4500.00	
23 Na	34,465.00	6893.00	ug/l	1.31	135000.00	
24 Mg	11,330.00	2266.00	ug/l	1.85	135000.00	
27 Al	2,375.50	475.10	ug/l	1.45	135000.00	
39 K	2,012.00	402.40	ug/l	1.83	135000.00	
42 Ca	14,850.00	2970.00	ug/l	1.29	135000.00	
44 Ca	16,350.00	3270.00	ug/l	2.82	135000.00	
51 V	9.35	1.87	ug/l	1.55	4500.00	
52 Cr	14.72	2.94	ug/l	1.63	4500.00	
53 (V)	15.74	3.15	ug/l	1.89	4500.00	
55 Mn	64.40	12.88	ug/l	0.39	4500.00	
57 Fe	6,610.00	1322.00	ug/l	0.81	135000.00	
59 Co	4.14	0.83	ug/l	2.04	4500.00	
60 Ni	23.73	4.75	ug/l	0.52	4500.00	
65 Cu	12.66	2.53	ug/l	1.89	3600.00	
66 Zn	51.50	10.30	ug/l	1.35	4500.00	
75 As	3.78	0.76	ug/l	7.53	4500.00	
78 Se	219.80	43.96	ug/l	3.89	4500.00	
82 Se	0.88	0.18	ug/l	63.15	3600.00	
95 Mo	18.11	3.62	ug/l	4.81	4500.00	
98 Mo	17.47	3.49	ug/l	5.55	4500.00	
107 Ag	0.14	0.03	ug/l	2.20	4500.00	
111 Cd	0.42	0.08	ug/l	11.45	4500.00	
114 Cd	0.49	0.10	ug/l	13.19	4500.00	
121 Sb	4.73	0.95	ug/l	6.58	4500.00	
137 Ba	84.90	16.98	ug/l	1.78	4500.00	
205 Tl	0.14	0.03	ug/l	5.45	4500.00	
208 Pb	13.85	2.77	ug/l	0.66	4500.00	
232 Th	0.55	0.11	ug/l	2.99	4500.00	
238 U	6.14	1.23	ug/l	2.08	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1098175.50	1.11	1195058.90	91.9	60 - 125	
45 Sc	1168357.40	0.87	1239972.60	94.2	60 - 125	
74 Ge	271989.44	0.88	302319.44	90.0	60 - 125	
115 In	1203439.60	2.00	1290256.50	93.3	60 - 125	
209 Bi	833202.75	1.34	905167.50	92.0	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures
 0 :ISTD Failures

0 :Max. Number of Failures Allowed
 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\032SMPL.D\032SMPL.D#
 Date Acquired: Aug 28 2010 01:18 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: l1013017-01,6020tl
 Misc Info: wg429675
 Vial Number: 2105
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.19	0.19	ug/l	9.49	4500.00	
23 Na	33,940.00	33940.00	ug/l	2.27	135000.00	
24 Mg	10,680.00	10680.00	ug/l	4.01	135000.00	
27 Al	2,271.00	2271.00	ug/l	2.47	135000.00	
39 K	1,945.00	1945.00	ug/l	2.19	135000.00	
42 Ca	15,300.00	15300.00	ug/l	1.20	135000.00	
44 Ca	15,200.00	15200.00	ug/l	2.97	135000.00	
51 V	9.07	9.07	ug/l	1.99	4500.00	
52 Cr	14.50	14.50	ug/l	1.68	4500.00	
53 (V)	15.35	15.35	ug/l	1.61	4500.00	
55 Mn	62.14	62.14	ug/l	4.23	4500.00	
57 Fe	6,731.00	6731.00	ug/l	2.29	135000.00	
59 Co	3.89	3.89	ug/l	2.69	4500.00	
60 Ni	22.51	22.51	ug/l	2.11	4500.00	
65 Cu	12.33	12.33	ug/l	2.68	3600.00	
66 Zn	45.35	45.35	ug/l	2.23	4500.00	
75 As	2.34	2.34	ug/l	3.02	4500.00	
78 Se	68.00	68.00	ug/l	4.62	4500.00	
82 Se	1.05	1.05	ug/l	15.31	3600.00	
95 Mo	2.75	2.75	ug/l	6.50	4500.00	
98 Mo	2.69	2.69	ug/l	4.52	4500.00	
107 Ag	0.09	0.09	ug/l	10.18	4500.00	
111 Cd	0.42	0.42	ug/l	6.05	4500.00	
114 Cd	0.45	0.45	ug/l	4.06	4500.00	
121 Sb	0.65	0.65	ug/l	2.50	4500.00	
137 Ba	86.58	86.58	ug/l	3.00	4500.00	
205 Tl	0.06	0.06	ug/l	7.81	4500.00	
208 Pb	13.65	13.65	ug/l	1.17	4500.00	
232 Th	0.57	0.57	ug/l	6.28	4500.00	
238 U	6.16	6.16	ug/l	1.51	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1000449.30	3.64	1195058.90	83.7	60 - 125	
45 Sc	1097139.40	2.67	1239972.60	88.5	60 - 125	
74 Ge	257334.22	1.75	302319.44	85.1	60 - 125	
115 In	1068378.00	4.43	1290256.50	82.8	60 - 125	
209 Bi	756286.63	1.91	905167.50	83.6	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\033SMPL.D\033SMPL.D#
 Date Acquired: Aug 28 2010 01:24 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: wg429675-3,6020tl
 Misc Info: wg429675
 Vial Number: 2106
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.16	0.16	ug/l	5.82	4500.00	
23 Na	34,200.00	34200.00	ug/l	2.38	135000.00	
24 Mg	10,400.00	10400.00	ug/l	2.59	135000.00	
27 Al	2,136.00	2136.00	ug/l	2.12	135000.00	
39 K	1,863.00	1863.00	ug/l	3.27	135000.00	
42 Ca	14,910.00	14910.00	ug/l	3.16	135000.00	
44 Ca	14,860.00	14860.00	ug/l	2.62	135000.00	
51 V	8.89	8.89	ug/l	1.57	4500.00	
52 Cr	13.84	13.84	ug/l	1.95	4500.00	
53 (V)	14.25	14.25	ug/l	3.37	4500.00	
55 Mn	58.97	58.97	ug/l	1.93	4500.00	
57 Fe	6,400.00	6400.00	ug/l	1.79	135000.00	
59 Co	3.75	3.75	ug/l	1.31	4500.00	
60 Ni	21.72	21.72	ug/l	3.08	4500.00	
65 Cu	11.91	11.91	ug/l	3.67	3600.00	
66 Zn	43.77	43.77	ug/l	0.48	4500.00	
75 As	2.23	2.23	ug/l	2.65	4500.00	
78 Se	66.17	66.17	ug/l	5.61	4500.00	
82 Se	0.96	0.96	ug/l	7.25	3600.00	
95 Mo	2.07	2.07	ug/l	3.35	4500.00	
98 Mo	2.12	2.12	ug/l	7.72	4500.00	
107 Ag	0.07	0.07	ug/l	6.44	4500.00	
111 Cd	0.40	0.40	ug/l	3.17	4500.00	
114 Cd	0.39	0.39	ug/l	1.43	4500.00	
121 Sb	0.46	0.46	ug/l	6.77	4500.00	
137 Ba	83.23	83.23	ug/l	0.84	4500.00	
205 Tl	0.06	0.06	ug/l	15.83	4500.00	
208 Pb	13.43	13.43	ug/l	1.10	4500.00	
232 Th	0.59	0.59	ug/l	4.54	4500.00	
238 U	6.05	6.05	ug/l	1.78	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1003710.10	1.35	1195058.90	84.0	60 - 125	
45 Sc	1123803.40	1.19	1239972.60	90.6	60 - 125	
74 Ge	262373.88	1.08	302319.44	86.8	60 - 125	
115 In	1116640.10	1.78	1290256.50	86.5	60 - 125	
209 Bi	772416.31	0.64	905167.50	85.3	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures
 0 :ISTD Failures

0 :Max. Number of Failures Allowed
 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

CCV QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\034CCV1.D\034CCV1.D#
 Date Acquired: Aug 28 2010 01:30 am
 Operator: bm
 Sample Name: CCV
 Misc Info: ccv
 Vial Number: 1201
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal Update: Aug 27 2010 11:00 pm
 Sample Type: CCV1
 Total Dil Factor: 1.00

QC Elements

Element	Conc.	RSD(%)	Expected QC	Range(%)	Flag
9 Be	50.17 ug/l	3.62	50.00	90 - 110	
23 Na	5088.00 ug/l	3.46	5000.00	90 - 110	
24 Mg	5104.00 ug/l	4.67	5000.00	90 - 110	
27 Al	50.86 ug/l	3.44	50.00	90 - 110	
39 K	5019.00 ug/l	4.16	5000.00	90 - 110	
42 Ca	4917.00 ug/l	4.45	5000.00	90 - 110	
44 Ca	5095.00 ug/l	5.03	5000.00	90 - 110	
51 V	47.36 ug/l	4.66	50.00	90 - 110	
52 Cr	49.67 ug/l	4.21	50.00	90 - 110	
53 (V)	51.54 ug/l	3.46	50.00	90 - 110	
55 Mn	49.29 ug/l	4.12	50.00	90 - 110	
57 Fe	5290.00 ug/l	4.99	5000.00	90 - 110	
59 Co	49.39 ug/l	3.71	50.00	90 - 110	
60 Ni	51.47 ug/l	3.63	50.00	90 - 110	
65 Cu	51.34 ug/l	3.94	50.00	90 - 110	
66 Zn	50.67 ug/l	4.30	50.00	90 - 110	
75 As	49.93 ug/l	5.02	50.00	90 - 110	
78 Se	111.10 ug/l	4.47	50.00	90 - 110	Fail
82 Se	49.98 ug/l	6.16	50.00	90 - 110	
95 Mo	50.64 ug/l	6.81	50.00	90 - 110	
98 Mo	50.69 ug/l	6.26	50.00	90 - 110	
107 Ag	50.03 ug/l	4.50	50.00	90 - 110	
111 Cd	51.18 ug/l	4.69	50.00	90 - 110	
114 Cd	51.09 ug/l	4.82	50.00	90 - 110	
121 Sb	50.59 ug/l	5.56	50.00	90 - 110	
137 Ba	50.66 ug/l	4.91	50.00	90 - 110	
205 Tl	47.40 ug/l	3.53	50.00	90 - 110	
208 Pb	48.89 ug/l	3.51	50.00	90 - 110	
232 Th	44.69 ug/l	1.91	50.00	90 - 110	Fail
238 U	46.89 ug/l	3.81	50.00	90 - 110	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	982832.81	2.81	1195058.90	82.2	60 - 125	
45 Sc	1051005.40	1.72	1239972.60	84.8	60 - 125	
74 Ge	252027.47	1.79	302319.44	83.4	60 - 125	
115 In	1068597.40	2.24	1290256.50	82.8	60 - 125	
209 Bi	750330.69	0.58	905167.50	82.9	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

2 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

CCB QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\035_CCB.D\035_CCB.D#
 Date Acquired: Aug 28 2010 01:36 am
 Operator: bm
 Sample Name: CCB
 Misc Info: ccb
 Vial Number: 1202
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal Update: Aug 27 2010 11:00 pm
 Sample Type: CCB
 Total Dil Factor: 1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
9 Be	0.02 ug/l	25.62	1.00	
23 Na	7.53 ug/l	21.66	100.00	
24 Mg	2.14 ug/l	31.38	100.00	
27 Al	0.24 ug/l	15.68	100.00	
39 K	16.84 ug/l	39.75	100.00	
42 Ca	162.80 ug/l	74.45	100.00	
44 Ca	3.56 ug/l	29.76	100.00	
51 V	0.02 ug/l	59.92	10.00	
52 Cr	0.03 ug/l	196.64	10.00	
53 (V)	0.03 ug/l	93.13	10.00	
55 Mn	0.04 ug/l	41.46	10.00	
57 Fe	15.24 ug/l	27.66	100.00	
59 Co	0.02 ug/l	28.85	10.00	
60 Ni	0.06 ug/l	18.40	10.00	
65 Cu	0.01 ug/l	50.77	20.00	
66 Zn	0.03 ug/l	106.26	20.00	
75 As	0.07 ug/l	29.96	10.00	
78 Se	57.36 ug/l	11.43	20.00	Fail
82 Se	-0.01 ug/l	1543.60	20.00	
95 Mo	0.93 ug/l	3.50	100.00	
98 Mo	0.90 ug/l	0.89	100.00	
107 Ag	0.02 ug/l	25.41	1.00	
111 Cd	0.03 ug/l	17.75	1.00	
114 Cd	0.02 ug/l	16.58	1.00	
121 Sb	0.13 ug/l	2.07	1.00	
137 Ba	0.04 ug/l	27.38	1.00	
205 Tl	0.02 ug/l	17.85	1.00	
208 Pb	0.02 ug/l	29.44	1.00	
232 Th	2.05 ug/l	10.07	1.00	Fail
238 U	0.02 ug/l	36.56	1.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1040232.30	3.52	1195058.90	87.0	60 - 125	
45 Sc	1063838.50	5.49	1239972.60	85.8	60 - 125	
74 Ge	256650.55	3.24	302319.44	84.9	60 - 125	
115 In	1098839.90	6.94	1290256.50	85.2	60 - 125	
209 Bi	777247.31	4.61	905167.50	85.9	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

2 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\036SMPL.D\036SMPL.D#
 Date Acquired: Aug 28 2010 01:42 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: wg429675-4, 6020tl
 Misc Info: wg429675
 Vial Number: 2107
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 4.00
 Autodil Factor: Undiluted
 Final Dil Factor: 4.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	47.04	11.76	ug/l	9.46	4500.00	
23 Na	135,280.00	33820.00	ug/l	7.34	135000.00	
24 Mg	47,240.00	11810.00	ug/l	9.43	135000.00	
27 Al	10,136.00	2534.00	ug/l	11.25	135000.00	
39 K	16,096.00	4024.00	ug/l	6.33	135000.00	
42 Ca	63,320.00	15830.00	ug/l	10.39	135000.00	
44 Ca	62,880.00	15720.00	ug/l	9.53	135000.00	
51 V	469.20	117.30	ug/l	9.14	4500.00	
52 Cr	218.68	54.67	ug/l	10.09	4500.00	
53 (V)	225.20	56.30	ug/l	10.48	4500.00	
55 Mn	662.80	165.70	ug/l	9.58	4500.00	
57 Fe	24,396.00	6099.00	ug/l	10.69	135000.00	
59 Co	463.60	115.90	ug/l	9.59	4500.00	
60 Ni	519.20	129.80	ug/l	9.66	4500.00	
65 Cu	263.80	65.95	ug/l	8.86	3600.00	
66 Zn	610.40	152.60	ug/l	10.00	4500.00	
75 As	120.68	30.17	ug/l	10.28	4500.00	
78 Se	331.20	82.80	ug/l	9.44	4500.00	
82 Se	111.28	27.82	ug/l	8.00	3600.00	
95 Mo	894.80	223.70	ug/l	11.98	4500.00	
98 Mo	911.20	227.80	ug/l	13.24	4500.00	
107 Ag	43.08	10.77	ug/l	8.75	4500.00	
111 Cd	50.80	12.70	ug/l	11.07	4500.00	
114 Cd	61.48	15.37	ug/l	10.24	4500.00	
121 Sb	373.92	93.48	ug/l	11.23	4500.00	
137 Ba	2,076.40	519.10	ug/l	10.46	4500.00	
205 Tl	103.32	25.83	ug/l	8.51	4500.00	
208 Pb	508.40	127.10	ug/l	10.56	4500.00	
232 Th	5.33	1.33	ug/l	11.18	4500.00	
238 U	21.61	5.40	ug/l	11.92	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1032067.60	4.58	1195058.90	86.4	60 - 125	
45 Sc	1139806.60	5.22	1239972.60	91.9	60 - 125	
74 Ge	262058.38	3.37	302319.44	86.7	60 - 125	
115 In	1147207.80	7.73	1290256.50	88.9	60 - 125	
209 Bi	795640.13	8.18	905167.50	87.9	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\037SMPL.D\037SMPL.D#
 Date Acquired: Aug 28 2010 01:48 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: wg429675-6,6020tl
 Misc Info: wg429675
 Vial Number: 2108
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	5.59	5.59	ug/l	2.49	4500.00	
23 Na	33,870.00	33870.00	ug/l	2.72	135000.00	
24 Mg	11,210.00	11210.00	ug/l	1.38	135000.00	
27 Al	2,287.00	2287.00	ug/l	2.33	135000.00	
39 K	2,453.00	2453.00	ug/l	2.70	135000.00	
42 Ca	15,440.00	15440.00	ug/l	3.06	135000.00	
44 Ca	15,870.00	15870.00	ug/l	0.92	135000.00	
51 V	14.17	14.17	ug/l	1.10	4500.00	
52 Cr	19.50	19.50	ug/l	1.64	4500.00	
53 (V)	19.97	19.97	ug/l	1.88	4500.00	
55 Mn	68.77	68.77	ug/l	2.74	4500.00	
57 Fe	7,279.00	7279.00	ug/l	2.56	135000.00	
59 Co	9.02	9.02	ug/l	0.85	4500.00	
60 Ni	27.94	27.94	ug/l	2.09	4500.00	
65 Cu	17.68	17.68	ug/l	0.62	3600.00	
66 Zn	50.60	50.60	ug/l	1.41	4500.00	
75 As	7.72	7.72	ug/l	3.02	4500.00	
78 Se	74.94	74.94	ug/l	0.98	4500.00	
82 Se	6.61	6.61	ug/l	4.57	3600.00	
95 Mo	8.96	8.96	ug/l	2.35	4500.00	
98 Mo	8.89	8.89	ug/l	2.60	4500.00	
107 Ag	5.34	5.34	ug/l	2.59	4500.00	
111 Cd	6.01	6.01	ug/l	3.90	4500.00	
114 Cd	5.92	5.92	ug/l	2.42	4500.00	
121 Sb	6.21	6.21	ug/l	1.89	4500.00	
137 Ba	92.78	92.78	ug/l	0.49	4500.00	
205 Tl	5.21	5.21	ug/l	2.05	4500.00	
208 Pb	19.06	19.06	ug/l	1.26	4500.00	
232 Th	5.72	5.72	ug/l	1.02	4500.00	
238 U	11.38	11.38	ug/l	1.01	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1011580.50	0.10	1195058.90	84.6	60 - 125	
45 Sc	1096831.90	1.00	1239972.60	88.5	60 - 125	
74 Ge	256451.19	0.59	302319.44	84.8	60 - 125	
115 In	1073372.80	3.18	1290256.50	83.2	60 - 125	
209 Bi	745522.94	0.30	905167.50	82.4	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\038SMPL.D\038SMPL.D#
 Date Acquired: Aug 28 2010 01:54 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: wg429676-5,6020tl
 Misc Info: wg429676
 Vial Number: 2109
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
 Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.06	0.01	ug/l	37.80	4500.00	
23 Na	9,050.00	1810.00	ug/l	2.43	135000.00	
24 Mg	3,484.50	696.90	ug/l	7.17	135000.00	
27 Al	14.61	2.92	ug/l	5.38	135000.00	
39 K	765.00	153.00	ug/l	11.66	135000.00	
42 Ca	11,070.00	2214.00	ug/l	14.77	135000.00	
44 Ca	11,690.00	2338.00	ug/l	7.84	135000.00	
51 V	0.18	0.04	ug/l	28.73	4500.00	
52 Cr	0.68	0.14	ug/l	16.85	4500.00	
53 (V)	0.86	0.17	ug/l	15.68	4500.00	
55 Mn	881.00	176.20	ug/l	7.97	4500.00	
57 Fe	1,734.50	346.90	ug/l	8.99	135000.00	
59 Co	0.80	0.16	ug/l	13.08	4500.00	
60 Ni	8.94	1.79	ug/l	8.05	4500.00	
65 Cu	2.93	0.59	ug/l	8.54	3600.00	
66 Zn	8.79	1.76	ug/l	5.20	4500.00	
75 As	0.39	0.08	ug/l	26.90	4500.00	
78 Se	287.40	57.48	ug/l	13.29	4500.00	
82 Se	0.27	0.05	ug/l	424.32	3600.00	
95 Mo	5.65	1.13	ug/l	6.20	4500.00	
98 Mo	5.58	1.12	ug/l	8.63	4500.00	
107 Ag	0.10	0.02	ug/l	25.13	4500.00	
111 Cd	1.19	0.24	ug/l	1.93	4500.00	
114 Cd	1.26	0.25	ug/l	8.34	4500.00	
121 Sb	0.76	0.15	ug/l	10.48	4500.00	
137 Ba	9.31	1.86	ug/l	9.73	4500.00	
205 Tl	0.12	0.02	ug/l	12.99	4500.00	
208 Pb	0.27	0.05	ug/l	11.61	4500.00	
232 Th	1.67	0.33	ug/l	26.27	4500.00	
238 U	0.06	0.01	ug/l	18.25	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1013463.60	2.65	1195058.90	84.8	60 - 125	
45 Sc	1099279.10	6.81	1239972.60	88.7	60 - 125	
74 Ge	262304.47	3.37	302319.44	86.8	60 - 125	
115 In	1128571.30	5.43	1290256.50	87.5	60 - 125	
209 Bi	796132.19	5.73	905167.50	88.0	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\039SMPL.D\039SMPL.D#
 Date Acquired: Aug 28 2010 02:00 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: l1013185-01,6020tl
 Misc Info: wg429676
 Vial Number: 2110
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.04	0.04	ug/l	25.34	4500.00	
23 Na	7,968.00	7968.00	ug/l	1.75	135000.00	
24 Mg	3,136.00	3136.00	ug/l	1.32	135000.00	
27 Al	10.35	10.35	ug/l	3.83	135000.00	
39 K	644.70	644.70	ug/l	1.15	135000.00	
42 Ca	10,320.00	10320.00	ug/l	1.02	135000.00	
44 Ca	10,490.00	10490.00	ug/l	1.71	135000.00	
51 V	0.13	0.13	ug/l	6.83	4500.00	
52 Cr	0.60	0.60	ug/l	3.79	4500.00	
53 (V)	0.63	0.63	ug/l	7.07	4500.00	
55 Mn	773.20	773.20	ug/l	0.29	4500.00	
57 Fe	1,539.00	1539.00	ug/l	1.22	135000.00	
59 Co	0.68	0.68	ug/l	0.34	4500.00	
60 Ni	7.94	7.94	ug/l	1.80	4500.00	
65 Cu	2.37	2.37	ug/l	0.69	3600.00	
66 Zn	4.63	4.63	ug/l	3.67	4500.00	
75 As	0.15	0.15	ug/l	10.99	4500.00	
78 Se	64.10	64.10	ug/l	2.69	4500.00	
82 Se	0.15	0.15	ug/l	158.98	3600.00	
95 Mo	0.81	0.81	ug/l	9.16	4500.00	
98 Mo	0.80	0.80	ug/l	9.49	4500.00	
107 Ag	0.07	0.07	ug/l	22.07	4500.00	
111 Cd	1.10	1.10	ug/l	5.58	4500.00	
114 Cd	1.10	1.10	ug/l	2.07	4500.00	
121 Sb	0.22	0.22	ug/l	11.59	4500.00	
137 Ba	8.82	8.82	ug/l	3.10	4500.00	
205 Tl	0.10	0.10	ug/l	0.90	4500.00	
208 Pb	0.19	0.19	ug/l	1.48	4500.00	
232 Th	0.10	0.10	ug/l	23.70	4500.00	
238 U	0.03	0.03	ug/l	6.22	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	995096.75	0.22	1195058.90	83.3	60 - 125	
45 Sc	1071686.10	1.19	1239972.60	86.4	60 - 125	
74 Ge	251891.33	0.87	302319.44	83.3	60 - 125	
115 In	1059895.90	3.67	1290256.50	82.1	60 - 125	
209 Bi	754195.13	0.46	905167.50	83.3	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures
 0 :ISTD Failures

0 :Max. Number of Failures Allowed
 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\040SMPL.D\040SMPL.D#
 Date Acquired: Aug 28 2010 02:07 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: wg429676-3,6020tl
 Misc Info: wg429676
 Vial Number: 2111
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.03	0.03	ug/l	16.62	4500.00	
23 Na	7,364.00	7364.00	ug/l	6.39	135000.00	
24 Mg	2,889.00	2889.00	ug/l	8.08	135000.00	
27 Al	9.47	9.47	ug/l	13.07	135000.00	
39 K	597.50	597.50	ug/l	8.58	135000.00	
42 Ca	9,551.00	9551.00	ug/l	9.79	135000.00	
44 Ca	9,634.00	9634.00	ug/l	6.64	135000.00	
51 V	0.11	0.11	ug/l	17.08	4500.00	
52 Cr	0.67	0.67	ug/l	16.74	4500.00	
53 (V)	0.69	0.69	ug/l	9.49	4500.00	
55 Mn	711.40	711.40	ug/l	8.42	4500.00	
57 Fe	1,398.00	1398.00	ug/l	7.75	135000.00	
59 Co	0.64	0.64	ug/l	5.37	4500.00	
60 Ni	7.14	7.14	ug/l	8.16	4500.00	
65 Cu	2.25	2.25	ug/l	9.46	3600.00	
66 Zn	3.95	3.95	ug/l	5.55	4500.00	
75 As	0.13	0.13	ug/l	13.45	4500.00	
78 Se	50.55	50.55	ug/l	26.17	4500.00	
82 Se	0.19	0.19	ug/l	86.00	3600.00	
95 Mo	0.59	0.59	ug/l	18.54	4500.00	
98 Mo	0.52	0.52	ug/l	10.47	4500.00	
107 Ag	0.06	0.06	ug/l	7.53	4500.00	
111 Cd	0.95	0.95	ug/l	8.85	4500.00	
114 Cd	0.97	0.97	ug/l	7.41	4500.00	
121 Sb	0.16	0.16	ug/l	14.55	4500.00	
137 Ba	7.85	7.85	ug/l	9.20	4500.00	
205 Tl	0.08	0.08	ug/l	4.41	4500.00	
208 Pb	0.17	0.17	ug/l	3.09	4500.00	
232 Th	0.03	0.03	ug/l	31.04	4500.00	
238 U	0.03	0.03	ug/l	3.62	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1069262.10	6.76	1195058.90	89.5	60 - 125	
45 Sc	1137913.10	8.93	1239972.60	91.8	60 - 125	
74 Ge	268216.97	6.50	302319.44	88.7	60 - 125	
115 In	1176280.90	9.42	1290256.50	91.2	60 - 125	
209 Bi	814985.44	8.08	905167.50	90.0	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\041SMPL.D\041SMPL.D#
 Date Acquired: Aug 28 2010 02:13 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: wg429676-4, 6020tl
 Misc Info: wg429676
 Vial Number: 2112
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 4.00
 Autodil Factor: Undiluted
 Final Dil Factor: 4.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	50.40	12.60	ug/l	1.75	4500.00	
23 Na	17,720.00	4430.00	ug/l	0.90	135000.00	
24 Mg	13,496.00	3374.00	ug/l	1.22	135000.00	
27 Al	1,958.80	489.70	ug/l	2.05	135000.00	
39 K	10,688.00	2672.00	ug/l	2.74	135000.00	
42 Ca	19,768.00	4942.00	ug/l	1.77	135000.00	
44 Ca	21,184.00	5296.00	ug/l	2.38	135000.00	
51 V	502.40	125.60	ug/l	1.04	4500.00	
52 Cr	194.72	48.68	ug/l	1.39	4500.00	
53 (V)	200.44	50.11	ug/l	1.40	4500.00	
55 Mn	1,247.20	311.80	ug/l	1.14	4500.00	
57 Fe	2,535.60	633.90	ug/l	2.37	135000.00	
59 Co	520.80	130.20	ug/l	1.06	4500.00	
60 Ni	514.40	128.60	ug/l	1.83	4500.00	
65 Cu	259.04	64.76	ug/l	2.15	3600.00	
66 Zn	508.40	127.10	ug/l	0.62	4500.00	
75 As	128.12	32.03	ug/l	1.49	4500.00	
78 Se	311.28	77.82	ug/l	5.81	4500.00	
82 Se	122.12	30.53	ug/l	1.03	3600.00	
95 Mo	1,005.20	251.30	ug/l	1.09	4500.00	
98 Mo	1,024.80	256.20	ug/l	3.73	4500.00	
107 Ag	48.60	12.15	ug/l	0.24	4500.00	
111 Cd	56.80	14.20	ug/l	2.20	4500.00	
114 Cd	73.00	18.25	ug/l	1.09	4500.00	
121 Sb	498.40	124.60	ug/l	1.34	4500.00	
137 Ba	2,010.40	502.60	ug/l	0.99	4500.00	
205 Tl	112.00	28.00	ug/l	0.58	4500.00	
208 Pb	516.00	129.00	ug/l	0.55	4500.00	
232 Th	0.08	0.02	ug/l	14.96	4500.00	
238 U	0.04	0.01	ug/l	17.12	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1041108.90	1.38	1195058.90	87.1	60 - 125	
45 Sc	1090771.00	1.73	1239972.60	88.0	60 - 125	
74 Ge	260705.02	1.28	302319.44	86.2	60 - 125	
115 In	1112350.00	1.71	1290256.50	86.2	60 - 125	
209 Bi	777339.50	2.04	905167.50	85.9	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\042SMPL.D\042SMPL.D#
 Date Acquired: Aug 28 2010 02:19 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: wg429676-6,6020tl
 Misc Info: wg429676
 Vial Number: 2201
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	4.81	4.81	ug/l	9.13	4500.00	
23 Na	7,838.00	7838.00	ug/l	8.96	135000.00	
24 Mg	3,348.00	3348.00	ug/l	10.95	135000.00	
27 Al	14.34	14.34	ug/l	10.22	135000.00	
39 K	1,098.00	1098.00	ug/l	10.55	135000.00	
42 Ca	10,200.00	10200.00	ug/l	12.98	135000.00	
44 Ca	10,140.00	10140.00	ug/l	10.46	135000.00	
51 V	4.60	4.60	ug/l	10.40	4500.00	
52 Cr	5.15	5.15	ug/l	13.04	4500.00	
53 (V)	5.29	5.29	ug/l	12.66	4500.00	
55 Mn	718.60	718.60	ug/l	12.04	4500.00	
57 Fe	1,878.00	1878.00	ug/l	11.71	135000.00	
59 Co	5.29	5.29	ug/l	10.95	4500.00	
60 Ni	11.99	11.99	ug/l	12.34	4500.00	
65 Cu	7.13	7.13	ug/l	10.55	3600.00	
66 Zn	9.44	9.44	ug/l	11.51	4500.00	
75 As	5.04	5.04	ug/l	11.52	4500.00	
78 Se	57.14	57.14	ug/l	14.11	4500.00	
82 Se	5.19	5.19	ug/l	6.85	3600.00	
95 Mo	7.52	7.52	ug/l	6.49	4500.00	
98 Mo	7.41	7.41	ug/l	6.40	4500.00	
107 Ag	4.74	4.74	ug/l	10.83	4500.00	
111 Cd	5.68	5.68	ug/l	11.41	4500.00	
114 Cd	5.75	5.75	ug/l	13.20	4500.00	
121 Sb	5.52	5.52	ug/l	11.31	4500.00	
137 Ba	12.62	12.62	ug/l	12.75	4500.00	
205 Tl	4.66	4.66	ug/l	9.05	4500.00	
208 Pb	4.87	4.87	ug/l	10.51	4500.00	
232 Th	4.25	4.25	ug/l	9.42	4500.00	
238 U	4.49	4.49	ug/l	12.01	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1059085.90	2.75	1195058.90	88.6	60 - 125	
45 Sc	1118242.80	3.95	1239972.60	90.2	60 - 125	
74 Ge	259726.89	3.76	302319.44	85.9	60 - 125	
115 In	1152379.00	5.21	1290256.50	89.3	60 - 125	
209 Bi	789650.38	3.96	905167.50	87.2	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\043SMPL.D\043SMPL.D#
 Date Acquired: Aug 28 2010 02:25 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: l1013185-02,6020tl
 Misc Info: wg429676
 Vial Number: 2202
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
 Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.20	0.04	ug/l	38.66	4500.00	
23 Na	5,665.00	1133.00	ug/l	6.26	135000.00	
24 Mg	2,112.00	422.40	ug/l	9.23	135000.00	
27 Al	113.65	22.73	ug/l	13.58	135000.00	
39 K	1,441.50	288.30	ug/l	8.92	135000.00	
42 Ca	6,295.00	1259.00	ug/l	12.90	135000.00	
44 Ca	6,205.00	1241.00	ug/l	9.90	135000.00	
51 V	0.27	0.05	ug/l	18.75	4500.00	
52 Cr	0.27	0.05	ug/l	24.97	4500.00	
53 (V)	0.30	0.06	ug/l	24.50	4500.00	
55 Mn	9,415.00	1883.00	ug/l	9.51	4500.00	
57 Fe	3,882.00	776.40	ug/l	11.25	135000.00	
59 Co	24.55	4.91	ug/l	11.23	4500.00	
60 Ni	11.17	2.23	ug/l	7.01	4500.00	
65 Cu	11.24	2.25	ug/l	9.72	3600.00	
66 Zn	9.68	1.94	ug/l	6.34	4500.00	
75 As	0.20	0.04	ug/l	112.12	4500.00	
78 Se	246.80	49.36	ug/l	5.31	4500.00	
82 Se	0.80	0.16	ug/l	58.17	3600.00	
95 Mo	5.08	1.02	ug/l	7.02	4500.00	
98 Mo	4.55	0.91	ug/l	3.76	4500.00	
107 Ag	0.10	0.02	ug/l	31.76	4500.00	
111 Cd	0.77	0.15	ug/l	8.20	4500.00	
114 Cd	0.70	0.14	ug/l	7.75	4500.00	
121 Sb	0.88	0.18	ug/l	7.55	4500.00	
137 Ba	31.77	6.35	ug/l	11.25	4500.00	
205 Tl	0.14	0.03	ug/l	14.31	4500.00	
208 Pb	3.47	0.69	ug/l	12.63	4500.00	
232 Th	1.28	0.26	ug/l	10.26	4500.00	
238 U	0.08	0.02	ug/l	29.43	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1042226.10	2.83	1195058.90	87.2	60 - 125	
45 Sc	1094006.10	2.59	1239972.60	88.2	60 - 125	
74 Ge	259016.61	0.72	302319.44	85.7	60 - 125	
115 In	1121651.10	1.35	1290256.50	86.9	60 - 125	
209 Bi	793883.38	3.62	905167.50	87.7	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\044SMPL.D\044SMPL.D#
 Date Acquired: Aug 28 2010 02:31 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: l1013185-03,6020tl
 Misc Info: wg429676
 Vial Number: 2203
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 5.00
 Autodil Factor: Undiluted
 Final Dil Factor: 5.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.07	0.01	ug/l	36.62	4500.00	
23 Na	5,645.00	1129.00	ug/l	2.31	135000.00	
24 Mg	3,050.00	610.00	ug/l	3.52	135000.00	
27 Al	142.80	28.56	ug/l	3.49	135000.00	
39 K	5,980.00	1196.00	ug/l	2.11	135000.00	
42 Ca	13,470.00	2694.00	ug/l	2.76	135000.00	
44 Ca	14,290.00	2858.00	ug/l	4.91	135000.00	
51 V	0.54	0.11	ug/l	12.55	4500.00	
52 Cr	0.18	0.04	ug/l	19.39	4500.00	
53 (V)	0.35	0.07	ug/l	21.38	4500.00	
55 Mn	5,705.00	1141.00	ug/l	3.68	4500.00	
57 Fe	50,150.00	10030.00	ug/l	3.66	135000.00	
59 Co	6.03	1.21	ug/l	2.91	4500.00	
60 Ni	1.00	0.20	ug/l	12.29	4500.00	
65 Cu	1.08	0.22	ug/l	16.51	3600.00	
66 Zn	17.46	3.49	ug/l	1.65	4500.00	
75 As	1.95	0.39	ug/l	15.62	4500.00	
78 Se	246.35	49.27	ug/l	5.82	4500.00	
82 Se	1.36	0.27	ug/l	82.42	3600.00	
95 Mo	4.18	0.84	ug/l	10.29	4500.00	
98 Mo	3.96	0.79	ug/l	6.38	4500.00	
107 Ag	0.03	0.01	ug/l	18.12	4500.00	
111 Cd	0.06	0.01	ug/l	31.10	4500.00	
114 Cd	0.07	0.01	ug/l	31.56	4500.00	
121 Sb	1.20	0.24	ug/l	5.08	4500.00	
137 Ba	21.59	4.32	ug/l	3.34	4500.00	
205 Tl	0.02	0.00	ug/l	19.35	4500.00	
208 Pb	0.35	0.07	ug/l	6.55	4500.00	
232 Th	0.39	0.08	ug/l	27.75	4500.00	
238 U	0.05	0.01	ug/l	2.93	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1036474.10	3.09	1195058.90	86.7	60 - 125	
45 Sc	1111945.30	1.41	1239972.60	89.7	60 - 125	
74 Ge	263326.34	1.61	302319.44	87.1	60 - 125	
115 In	1150183.00	0.74	1290256.50	89.1	60 - 125	
209 Bi	796545.81	2.58	905167.50	88.0	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

Sample QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\045SMPL.D\045SMPL.D#
 Date Acquired: Aug 28 2010 02:37 am
 Acq. Method: ALL03.M
 Operator: bm
 Sample Name: l1013185-04,6020tl
 Misc Info: wg429676
 Vial Number: 2204
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal. Update: Aug 27 2010 11:00 pm
 Sample Type: Sample
 Dilution Factor: 1.00
 Autodil Factor: Undiluted
 Final Dil Factor: 1.00

QC Elements

Element	Corr Conc	Raw Conc	Units	RSD(%)	High Limit	Flag
9 Be	0.09	0.09	ug/l	10.87	4500.00	
23 Na	10,110.00	10110.00	ug/l	1.36	135000.00	
24 Mg	2,718.00	2718.00	ug/l	2.50	135000.00	
27 Al	10.55	10.55	ug/l	2.36	135000.00	
39 K	907.00	907.00	ug/l	1.33	135000.00	
42 Ca	9,977.00	9977.00	ug/l	2.16	135000.00	
44 Ca	10,030.00	10030.00	ug/l	1.49	135000.00	
51 V	0.10	0.10	ug/l	5.20	4500.00	
52 Cr	0.41	0.41	ug/l	5.98	4500.00	
53 (V)	0.57	0.57	ug/l	3.42	4500.00	
55 Mn	4.42	4.42	ug/l	1.44	4500.00	
57 Fe	65.54	65.54	ug/l	4.43	135000.00	
59 Co	20.69	20.69	ug/l	1.97	4500.00	
60 Ni	4.57	4.57	ug/l	3.51	4500.00	
65 Cu	12.57	12.57	ug/l	1.29	3600.00	
66 Zn	3.52	3.52	ug/l	0.67	4500.00	
75 As	0.02	0.02	ug/l	78.84	4500.00	
78 Se	55.17	55.17	ug/l	7.85	4500.00	
82 Se	0.14	0.14	ug/l	113.60	3600.00	
95 Mo	0.60	0.60	ug/l	10.22	4500.00	
98 Mo	0.62	0.62	ug/l	11.46	4500.00	
107 Ag	0.01	0.01	ug/l	5.64	4500.00	
111 Cd	0.21	0.21	ug/l	6.16	4500.00	
114 Cd	0.19	0.19	ug/l	6.88	4500.00	
121 Sb	0.10	0.10	ug/l	4.17	4500.00	
137 Ba	10.69	10.69	ug/l	2.65	4500.00	
205 Tl	0.01	0.01	ug/l	10.81	4500.00	
208 Pb	0.19	0.19	ug/l	3.26	4500.00	
232 Th	0.03	0.03	ug/l	19.29	4500.00	
238 U	0.06	0.06	ug/l	1.88	4500.00	

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1048332.20	0.26	1195058.90	87.7	60 - 125	
45 Sc	1104883.90	3.25	1239972.60	89.1	60 - 125	
74 Ge	260173.41	1.61	302319.44	86.1	60 - 125	
115 In	1131184.00	3.97	1290256.50	87.7	60 - 125	
209 Bi	780904.50	2.42	905167.50	86.3	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

0 :Element Failures
 0 :ISTD Failures

0 :Max. Number of Failures Allowed
 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Pass
 ISTD: Pass

CCV QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\046CCV1.D\046CCV1.D#
 Date Acquired: Aug 28 2010 02:43 am
 Operator: bm
 Sample Name: CCV
 Misc Info: ccv
 Vial Number: 1201
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal Update: Aug 27 2010 11:00 pm
 Sample Type: CCV1
 Total Dil Factor: 1.00

QC Elements

Element	Conc.	RSD(%)	Expected QC	Range(%)	Flag
9 Be	48.69 ug/l	3.53	50.00	90 - 110	
23 Na	4974.00 ug/l	3.75	5000.00	90 - 110	
24 Mg	4842.00 ug/l	1.61	5000.00	90 - 110	
27 Al	47.67 ug/l	1.59	50.00	90 - 110	
39 K	4871.00 ug/l	1.44	5000.00	90 - 110	
42 Ca	4628.00 ug/l	2.12	5000.00	90 - 110	
44 Ca	4913.00 ug/l	0.91	5000.00	90 - 110	
51 V	45.05 ug/l	1.91	50.00	90 - 110	
52 Cr	46.86 ug/l	1.01	50.00	90 - 110	
53 (V)	48.35 ug/l	0.70	50.00	90 - 110	
55 Mn	46.70 ug/l	1.12	50.00	90 - 110	
57 Fe	4996.00 ug/l	1.11	5000.00	90 - 110	
59 Co	46.96 ug/l	1.63	50.00	90 - 110	
60 Ni	49.17 ug/l	1.85	50.00	90 - 110	
65 Cu	49.20 ug/l	1.48	50.00	90 - 110	
66 Zn	48.37 ug/l	3.87	50.00	90 - 110	
75 As	47.99 ug/l	3.20	50.00	90 - 110	
78 Se	91.22 ug/l	1.27	50.00	90 - 110	Fail
82 Se	48.86 ug/l	5.39	50.00	90 - 110	
95 Mo	48.15 ug/l	3.78	50.00	90 - 110	
98 Mo	48.37 ug/l	3.66	50.00	90 - 110	
107 Ag	47.24 ug/l	2.96	50.00	90 - 110	
111 Cd	47.88 ug/l	2.72	50.00	90 - 110	
114 Cd	47.82 ug/l	2.48	50.00	90 - 110	
121 Sb	46.96 ug/l	3.17	50.00	90 - 110	
137 Ba	47.19 ug/l	2.38	50.00	90 - 110	
205 Tl	45.01 ug/l	1.97	50.00	90 - 110	
208 Pb	46.16 ug/l	1.54	50.00	90 - 110	
232 Th	40.68 ug/l	2.43	50.00	90 - 110	Fail
238 U	44.41 ug/l	2.17	50.00	90 - 110	Fail

ISTD Elements

Element	CPS Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1051169.40	1.20	1195058.90	88.0	60 - 125	
45 Sc	1135579.30	1.99	1239972.60	91.6	60 - 125	
74 Ge	270022.59	0.44	302319.44	89.3	60 - 125	
115 In	1177003.60	1.40	1290256.50	91.2	60 - 125	
209 Bi	816395.31	1.18	905167.50	90.2	60 - 125	

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

3 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

CCB QC Report

Data File: C:\ICPCHEM\1\DATA\wg429858.B\047_CCB.D\047_CCB.D#
 Date Acquired: Aug 28 2010 02:49 am
 Operator: bm
 Sample Name: CCB
 Misc Info: ccb
 Vial Number: 1202
 Current Method: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.M
 Calibration File: C:\ICPCHEM\1\DATA\wg429858.B\ALL03.C
 Last Cal Update: Aug 27 2010 11:00 pm
 Sample Type: CCB
 Total Dil Factor: 1.00

QC Elements

Element	Conc.	RSD(%)	High Limit	Flag
9 Be	0.02 ug/l	80.92	1.00	
23 Na	4.89 ug/l	10.92	100.00	
24 Mg	1.69 ug/l	69.22	100.00	
27 Al	0.11 ug/l	24.20	100.00	
39 K	10.54 ug/l	19.66	100.00	
42 Ca	104.60 ug/l	31.56	100.00	
44 Ca	2.17 ug/l	53.47	100.00	
51 V	0.01 ug/l	58.02	10.00	
52 Cr	0.00 ug/l	155.63	10.00	
53 (V)	0.01 ug/l	130.75	10.00	
55 Mn	0.05 ug/l	20.48	10.00	
57 Fe	11.34 ug/l	19.34	100.00	
59 Co	0.01 ug/l	87.42	10.00	
60 Ni	0.06 ug/l	29.08	10.00	
65 Cu	0.00 ug/l	994.01	20.00	
66 Zn	0.01 ug/l	191.33	20.00	
75 As	0.04 ug/l	46.05	10.00	
78 Se	46.29 ug/l	5.67	20.00	Fail
82 Se	0.14 ug/l	51.24	20.00	
95 Mo	0.73 ug/l	5.79	100.00	
98 Mo	0.70 ug/l	5.39	100.00	
107 Ag	0.02 ug/l	33.99	1.00	
111 Cd	0.01 ug/l	75.90	1.00	
114 Cd	0.02 ug/l	74.79	1.00	
121 Sb	0.05 ug/l	22.09	1.00	
137 Ba	0.03 ug/l	36.02	1.00	
205 Tl	0.02 ug/l	18.51	1.00	
208 Pb	0.01 ug/l	56.51	1.00	
232 Th	1.92 ug/l	10.36	1.00	Fail
238 U	0.02 ug/l	47.40	1.00	

ISTD Elements

Element	CPS	Mean	RSD(%)	Ref Value	Rec(%)	QC Range(%)	Flag
6 Li	1073170.30	1.81	1195058.90	89.8	60 - 125		
45 Sc	1127073.00	1.39	1239972.60	90.9	60 - 125		
74 Ge	265750.69	0.89	302319.44	87.9	60 - 125		
115 In	1166964.60	0.20	1290256.50	90.4	60 - 125		
209 Bi	806914.63	0.81	905167.50	89.1	60 - 125		

ISTD Ref File : C:\ICPCHEM\1\DATA\wg429858.B\003CALB.D\003CALB.D#

2 :Element Failures 0 :Max. Number of Failures Allowed
 0 :ISTD Failures 0 :Max. Number of ISTD Failures Allowed

Data Results:

Analytes: Fail
 ISTD: Pass

Interference Check Solutions (ICP-MS)

Solution Component	Solution A Concentration (ug/L)	Solution AB Concentration (ug/L)
Al	100,000	100,000
Ca	300,000	300,000
Fe	250,000	250,000
Mg	100,000	100,000
Na	250,000	250,000
K	100,000	100,000
Mo	2,000	2,000
As	0.0	100
Cd	0.0	100
Cr	0.0	200
Co	0.0	200
Cu	0.0	200
Mn	0.0	200
Ni	0.0	200
Se	0.0	100
Ag	0.0	50
V	0.0	200
Zn	0.0	100

**LCS & MS Concentrations
(ICP-MS)**

Element	Liquid Concentration (mg/L)
Aluminum	2.00
Antimony	0.5
Arsenic	0.12
Barium	2.00
Beryllium	0.05
Cadmium	0.051
Calcium	10.0
Chromium	0.20
Cobalt	0.50
Copper	0.25
Iron	1.00
Lead	0.51
Magnesium	10.0
Manganese	0.50
Molybdenum	1.00
Nickel	0.50
Potassium	10.0
Selenium	0.12
Silver	0.05
Sodium	10.0
Thallium	0.12
Vanadium	0.50
Zinc	0.50

Calculation of Method 6020 Metals

Aqueous Samples

The instrument will calculate the concentration ($\mu\text{g/L}$). This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = C_s \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

Where:

C_s = Concentration of sample ($\mu\text{g/L}$)

DF = Dilution Factor

	Method	Type	Vial	Data File	Sample	Comment	Dil/Lvl	ISTD Conc	Action on Failure	Skip	Result
1		Keyword		TUNBEG	Start of TUNE						
2	C:\ICPCHEM\1\METH ODS\TN200_8.M	Tune	1301				1.000				
3		Keyword		Pause							
4		Keyword		TUNEND	End of TUNE						
5		Keyword		CALBEG	Start of CALIB						
6	C:\ICPCHEM\1\METH ODS\ALL03.M	CalBlk	2		cal blank	blank	Level 1				
7	C:\ICPCHEM\1\METH ODS\ALL03.M	CalBlk	2		cal blank	blank	Level 1				
8	C:\ICPCHEM\1\METH ODS\ALL03.M	CalBlk	1101		cal blank	blank	Level 1				
9	C:\ICPCHEM\1\METH ODS\ALL03.M	CalStd	1102		cal std 1	.1 ppb	Level 2				
10	C:\ICPCHEM\1\METH ODS\ALL03.M	CalStd	1103		cal std 2	.2 ppb	Level 3				
11	C:\ICPCHEM\1\METH ODS\ALL03.M	CalStd	1104		cal std 3	1.0 ppb	Level 4				
12	C:\ICPCHEM\1\METH ODS\ALL03.M	CalStd	1105		cal std 4	10 ppb	Level 5				
13	C:\ICPCHEM\1\METH ODS\ALL03.M	CalStd	1106		cal std 5	100 ppb	Level 6				
14	C:\ICPCHEM\1\METH ODS\ALL03.M	CalStd	1107		cal std 6	200 ppb	Level 7				
15	C:\ICPCHEM\1\METH ODS\ALL03.M	Sample	2		rinse		1.000				
16	C:\ICPCHEM\1\METH ODS\ALL03.M	ICV1	1201		ICV	icv	1.000				
17	C:\ICPCHEM\1\METH ODS\ALL03.M	ICB	1202		ICB	icb	1.000				
18	C:\ICPCHEM\1\METH ODS\ALL03.M	ICS-A	4101		ICSA	ICSA	1.000				
19	C:\ICPCHEM\1\METH ODS\ALL03.M	ICS-AB	4102		ICSAB	ICSAB	1.000				
20	C:\ICPCHEM\1\METH ODS\ALL03.M	Sample	4103		1ppm High std	1 PPM	1.000				
21	C:\ICPCHEM\1\METH ODS\ALL03.M	Sample	2		rinse		1.000				
22	C:\ICPCHEM\1\METH ODS\ALL03.M	Sample	2		rinse		1.000				
23	C:\ICPCHEM\1\METH ODS\ALL03.M	Sample	2		rinse		1.000				
24		Keyword		CALEND	End of CALIB						
25		Keyword		SMPLBEG	Start of SMPL						
26	C:\ICPCHEM\1\METH ODS\ALL03.M	Sample	2101		l1012243-20,dod-6020t	wg427203	1.000				
27	C:\ICPCHEM\1\METH ODS\ALL03.M	Sample	2102		p60wg429675-1,6020tl	wg429675	1.000				
28	C:\ICPCHEM\1\METH ODS\ALL03.M	Sample	2310		p58wg429681-1,6020tl	wg429681	1.000				
29	C:\ICPCHEM\1\METH ODS\ALL03.M	Sample	2510		p62wg429844-1,6020tl	wg429844	1.000				
30	C:\ICPCHEM\1\METH ODS\ALL03.M	Sample	3109		p63wg429842-1,6020sl	wg429842	1.000				

	Method	Type	Vial	Data File	Sample	Comment	Dil/Lvl	ISTD Conc	Action on Failure	Skip	Result
31	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3205		p63wg429839-3,mcp-6020sl-10	wg429839	4.000				
32	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3110		p63wg429842-2,6020sl	wg429842	4.000				
33	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2511		p62wg429844-2,6020tl	wg429844	4.000				
34	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2311		p58wg429681-2,6020tl	wg429681	4.000				
35	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2103		p60wg429675-2,6020tl	wg429675	4.000				
36	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2104		wg429675-5,6020tl	wg429675	5.000				
37	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2105		l1013017-01,6020tl	wg429675	1.000				
38	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2106		wg429675-3,6020tl	wg429675	1.000				
39	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2107		wg429675-4,6020tl	wg429675	4.000				
40	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2108		wg429675-6,6020tl	wg429675	1.000				
41	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2109		wg429676-5,6020tl	wg429676	5.000				
42	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2110		l1013185-01,6020tl	wg429676	1.000				
43	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2111		wg429676-3,6020tl	wg429676	1.000				
44	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2112		wg429676-4,6020tl	wg429676	4.000				
45	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2201		wg429676-6,6020tl	wg429676	1.000				
46	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2202		l1013185-02,6020tl	wg429676	5.000				
47	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2203		l1013185-03,6020tl	wg429676	5.000				
48	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2204		l1013185-04,6020tl	wg429676	1.000				
49	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2205		l1013185-05,6020tl	wg429676	5.000				
50	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2206		l1013185-06,6020tl	wg429676	1.000				
51	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2207		l1013185-07,6020tl	wg429676	1.000				
52	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2208		l1013185-08,6020tl	wg429676	1.000				
53	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2209		l1013185-09,6020tl	wg429676	1.000				
54	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2210		wg429674-5,6020tl	wg429674	5.000				
55	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2211		l1013146-01,6020tl	wg429674	1.000				
56	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2212		wg429674-3,6020tl	wg429674	1.000				
57	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2301		wg429674-4,6020tl	wg429674	4.000				
58	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2302		wg429674-6,6020tl	wg429674	1.000				

	Method	Type	Vial	Data File	Sample	Comment	Dil/Lvl	ISTD Conc	Action on Failure	Skip	Result
59	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2303		I1013146-02,6020tl	wg429674	1.000				
60	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2304		I1013146-03,6020tl	wg429674	1.000				
61	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2305		I1013146-06,6020tl	wg429674	1.000				
62	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2306		I1013146-07,6020tl	wg429674	1.000				
63	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2307		I1013146-08,6020tl	wg429674	1.000				
64	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2308		I1013146-09,6020tl	wg429674	1.000				
65	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2309		I1013146-10,6020tl	wg429674	1.000				
66	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2312		wg429681-5,6020tl	wg429681	5.000				
67	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2401		I1013186-01,6020tl	wg429681	1.000				
68	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2402		wg429681-3,6020tl	wg429681	1.000				
69	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2403		wg429681-4,6020tl	wg429681	4.000				
70	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2404		wg429681-6,6020tl	wg429681	1.000				
71	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2405		I1013066-02,6020tl	wg429681	1.000				
72	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2406		I1013066-01,6020tl	wg429681	1.000				
73	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2407		I1013186-02,6020tl	wg429681	1.000				
74	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2408		I1013186-03,6020tl	wg429681	1.000				
75	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2409		I1013186-04,6020tl	wg429681	1.000				
76	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2410		wg429679-5,6020sl	wg429679	5.000				
77	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2411		I1013146-01,6020sl	wg429679	1.000				
78	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2412		wg429679-3,6020sl	wg429679	1.000				
79	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2501		wg429679-4,6020sl	wg429679	4.000				
80	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2502		wg429679-6,6020sl	wg429679	1.000				
81	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2503		I1013146-02,6020sl	wg429679	1.000				
82	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2504		I1013146-03,6020sl	wg429679	1.000				
83	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2505		I1013146-06,6020sl	wg429679	1.000				
84	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2506		I1013146-07,6020sl	wg429679	1.000				
85	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2507		I1013146-08,6020sl	wg429679	1.000				
86	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2508		I1013146-09,6020sl	wg429679	1.000				

	Method	Type	Vial	Data File	Sample	Comment	Dil/Lvl	ISTD Conc	Action on Failure	Skip	Result
87	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2509		I1013146-10,6020sl	wg429679	1.000				
88	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	2512		I1013214-01,6020tl	wg429844	1.000				
89	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3101		wg429844-5,6020tl	wg429844	5.000				
90	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3102		I1013214-02,6020tl	wg429844	1.000				
91	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3103		wg429844-3,6020tl	wg429844	1.000				
92	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3104		wg429844-4,6020tl	wg429844	4.000				
93	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3105		wg429844-6,6020tl	wg429844	1.000				
94	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3106		I1013219-01,6020tl	wg429844	1.000				
95	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3107		I1013219-02,6020tl	wg429844	1.000				
96	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3108		I1013245-02,6020tl	wg429844	5.000				
97	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3111		I1013214-01,6020sl	wg429842	1.000				
98	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3112		wg429842-5,6020sl	wg429842	5.000				
99	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3201		I1013214-02,6020sl	wg429842	1.000				
100	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3202		wg429842-3,6020sl	wg429842	1.000				
101	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3203		wg429842-4,6020sl	wg429842	4.000				
102	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3204		wg429842-6,6020sl	wg429842	1.000				
103	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3206		wg429839-4,mcp-6020sl-10	wg429839	5.000				
104	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3207		I1013238-01,mcp-6020sl-10	wg429839	1.000				
105	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3208		wg429839-5,mcp-6020sl-10	wg429839	1.000				
106	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3209		I1013238-02,mcp-6020sl-10	wg429839	1.000				
107	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3210		wg429838-4,mcp-6020tl-10	wg429838	5.000				
108	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3211		I1013238-01,mcp-6020tl-10	wg429838	1.000				
109	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3212		wg429838-5,mcp-6020tl-10	wg429838	1.000				
110	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3301		I1013238-02,mcp-6020tl-10	wg429838	1.000				
111	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3302		wg429845-5,6020tl	wg429845	5.000				
112	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3303		I1013236-01,6020tl	wg429845	1.000				
113	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3304		wg429845-3,6020tl	wg429845	4.000				
114	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3305		wg429845-4,6020tl	wg429845	4.000				

	Method	Type	Vial	Data File	Sample	Comment	Dil/Lvl	ISTD Conc	Action on Failure	Skip	Result
115	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3306		wg429845-6,6020tl	wg429845	1.000				
116	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3307		l1013236-02,6020tl	wg429845	1.000				
117	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3308		l1013236-03,6020tl	wg429845	1.000				
118	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3309		l1013236-04,6020tl	wg429845	1.000				
119	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3310		wg429849-5,6020tl	wg429849	5.000				
120	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3311		l1013260-01,6020tl	wg429849	1.000				
121	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3312		wg429849-3,6020tl	wg429849	1.000				
122	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3401		wg429849-4,6020tl	wg429849	4.000				
123	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3402		wg429849-6,6020tl	wg429849	1.000				
124	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3403		l1013260-02,6020tl	wg429849	1.000				
125	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3404		wg429846-3,ct-6020tl	wg429846	5.000				
126	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3405		l1013252-03,ct-6020tl	wg429846	1.000				
127	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3406		wg429846-4,ct-6020tl	wg429846	1.000				
128	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3407		l1013252-04,ct-6020tl	wg429846	1.000				
129	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3408		l1013252-05,ct-6020tl	wg429846	1.000				
130	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3409		wg429841-5,2008tl	wg429841	5.000				
131	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3410		l1013122-06,2008tl	wg429841	1.000				
132	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3411		wg429841-3,2008tl	wg429841	1.000				
133	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3412		wg429841-4,2008tl	wg429841	4.000				
134	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3501		wg429841-6,2008tl	wg429841	1.000				
135	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3502		l1013206-01,2008tl	wg429841	1.000				
136	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3503		l1013206-05,2008tl	wg429841	1.000				
137	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3504		wg429843-5,6020sl	wg429843	5.000				
138	C:\ICPCHEM1\METH ODS\ALL03.M	CCV1	4106		CCV	ccv	1.000				
139	C:\ICPCHEM1\METH ODS\ALL03.M	CCB	4107		CCB	ccb	1.000				
140	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3505		l1013236-01,6020sl	wg429843	1.000				
141	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3506		wg429843-3,6020sl	wg429843	4.000				
142	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3507		wg429843-4,6020sl	wg429843	4.000				

	Method	Type	Vial	Data File	Sample	Comment	Dil/Lvl	ISTD Conc	Action on Failure	Skip	Result
143	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3508		wg429843-6,6020sl	wg429843	1.000				
144	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3509		l1013236-02,6020sl	wg429843	1.000				
145	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3510		l1013236-03,6020sl	wg429843	1.000				
146	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3511		l1013236-04,6020sl	wg429843	1.000				
147	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	3512		wg429840-4,mcp-6020sl-10	wg429840	5.000				
148	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	4104		l1013201-01,mcp-6020sl-10	wg429840	1.000				
149	C:\ICPCHEM1\METH ODS\ALL03.M	CCV1	4106		CCV	ccv	1.000				
150	C:\ICPCHEM1\METH ODS\ALL03.M	CCB	4107		CCB	ccb	1.000				
151	C:\ICPCHEM1\METH ODS\ALL03.M	Sample	4105		wg429840-5,mcp-6020sl-10	wg429840	1.000				
152	C:\ICPCHEM1\METH ODS\ALL03.M	CCV1	4106		CCV	ccv	1.000				
153	C:\ICPCHEM1\METH ODS\ALL03.M	CCB	4107		CCB	ccb	1.000				
154		Keyword		SMPL	End of SMPL						
155		Keyword		TERMBEG	Start of TERM						
156	C:\ICPCHEM1\METH ODS\ALL03.M	CCV1	1201		ccv	ccv	1.000				
157	C:\ICPCHEM1\METH ODS\ALL03.M	CCB	1202		ccb	ccb	1.000				
158		Keyword		StandBy							
159		Keyword		TERMEND	End of TERM						
160		Keyword		ERRBEG	Start of ERRTERM						
161		Keyword		Pause							
162		Keyword		ERREND	End of ERRTERM						
163		Keyword		End	End of Sequence						
164		Keyword		CCVBEG	Start of CCV						
165	C:\ICPCHEM1\METH ODS\ALL03.M	CCV1	1201		CCV	ccv	1.000				
166	C:\ICPCHEM1\METH ODS\ALL03.M	CCB	1202		CCB	ccb	1.000				
167		Keyword		CCVEND	End of CCV						
168		Keyword		BLKBEG	Start of BLANK						
169		Keyword		BLKEND	End of BLANK						

Analysis: Metals (ICP-ICP/MS) Aqueous

Technique: Hot Block Digestion

Date: 8/26/2010

Block ID: 2

Analyst: KR

on: 18:20

Time off: 21:20

Temp °C: 96°C

(s): 6020T ; MCP-6010T-10

Transferred to Analytical

Date: 8-26-2010 Initials: KR

pe: HNO_3
49225

Acid Type: N/A

MS/LCS = 0.5mL IPS

MS/LCS = 0.5mL FPS

MS/LCS = 0.5mL Mixed Std

Lot #:

Lot #: 072110

Lot #: 072110

Lot #: 082010

Digestion

Acid Name: HNO_3

Final Volume (mL)

Comment

Sample ID

pH <2

Sample Volume (mL)

Acid Volume (mL)

Color

Clarity

1013146.1

N/A

50

2.5

clear

clear

50

WG429674

.1d

R422680

.1ms

.2

WG429675

.3

R422681

.6

.7

WG429676

.8

R422682

.9

.10

WG429677

1013017.1

brown

murky

R422683

.1d

.1ms

1013185.1

clear

clear

.1d

.1ms

.2

.3

.4

.5

pink

.6

clear

.7

.8

.9

1013103.1

PBW

LCS

LCSD

Inorganic Data (Mercury Analysis)

U.S. EPA - CLP
1-IN
INORGANIC ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Matrix (soil/water): WATER

Lab Sample ID: L1013017-01

Date Received: 08/23/10

% Solids: N/A

Date Analyzed: 8/30/10 16:51

Concentration Units: mg/l

CAS No.	Analyte	Concentration	C		
7429-90-5	Aluminum				
7440-36-0	Antimony				
7440-38-2	Arsenic				
7440-39-3	Barium				
7440-41-7	Beryllium				
7440-43-9	Cadmium				
7440-70-2	Calcium				
7440-47-3	Chromium				
7440-48-4	Cobalt				
7440-50-8	Copper				
7439-89-6	Iron				
7439-92-1	Lead				
7439-95-4	Magnesium				
7439-96-5	Manganese				
7439-97-6	Mercury	0.0008			
7439-98-7	Molybdenum				
7440-02-0	Nickel				
7440-09-7	Potassium				
7782-49-2	Selenium				
7440-22-4	Silver				
7440-23-5	Sodium				
7440-24-6	Strontium				
7440-28-0	Thallium				
7440-62-2	Vanadium				
7440-66-6	Zinc				
7440-31-5	Tin				
7440-42-8	Boron				
57-12-5	Cyanide				
END					

Comments:

U.S. EPA - CLP
2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Concentration Units: mg/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	0.003	0.00315	105	0.005	0.00526	105	0.00528	106	
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Vanadium									
Zinc									
Tin									
Boron									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 80-120; Cyanide 85-115

U.S. EPA - CLP
2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Concentration Units: mg/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury				0.005	0.00530	106	0.00538	108	
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Vanadium									
Zinc									
Tin									
Boron									
Cyanide									

(1) Control Limits: Mercury 80-120; Other Metals 80-120; Cyanide 85-115

U.S. EPA - CLP
3-IN
BLANKS

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units: mg/l

Analyte	Initial Calibration Blank (mg/L)		Continuing Calibration Blank (mg/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury	0.00001	U	0.00001	U	0.00001	U	0.00001	U	0.0002	U	
Molybdenum											
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Strontium											
Thallium											
Vanadium											
Zinc											
Tin											
Boron											
Cyanide											

U.S. EPA - CLP
3-IN
BLANKS

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units: _____

Analyte	Initial Calibration Blank (mg/L)		Continuing Calibration Blank (mg/L)						Preparation Blank		M
		C	1	C	2	C	3	C		C	
Aluminum											
Antimony											
Arsenic											
Barium											
Beryllium											
Cadmium											
Calcium											
Chromium											
Cobalt											
Copper											
Iron											
Lead											
Magnesium											
Manganese											
Mercury			0.00001	U							
Molybdenum											
Nickel											
Potassium											
Selenium											
Silver											
Sodium											
Strontium											
Thallium											
Vanadium											
Zinc											
Tin											
Boron											
Cyanide											

U.S. EPA - CLP
5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

WC-001 PZ-BS

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Matrix (soil/water): WATER

% Solids for Sample: N/A

Concentration Units: mg/l

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R		
Aluminum							
Antimony							
Arsenic							
Barium							
Beryllium							
Cadmium							
Calcium							
Chromium							
Cobalt							
Copper							
Iron							
Lead							
Magnesium							
Manganese							
Mercury	80-120	0.0018	0.0008	0.0010	109		
Molybdenum							
Nickel							
Potassium							
Selenium							
Silver							
Sodium							
Strontium							
Thallium							
Vanadium							
Zinc							
Tin							
Boron							
Cyanide							

Comments:

U.S. EPA - CLP
6-IN
DUPLICATES

EPA SAMPLE NO.

WC-001 PZ-BD

Lab Name: Alpha Analytical

Lab Code: AAL Case No.:

Matrix (soil/water): WATER

% Solids for Sample: N/A

% Solids for Duplicate: N/A

Concentration Units: mg/l

Analyte	Control Limit	Sample (S) C	Duplicate (D) C	RPD		
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead						
Magnesium						
Manganese						
Mercury	20	0.0008	0.0007	9		
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Vanadium						
Zinc						
Tin						
Boron						
Cyanide						

U.S. EPA - CLP
7-IN
LABORATORY CONTROL SAMPLE

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017
WATER

Analyte	Aqueous (mg/L)				Solid (mg/kg)				
	True	Found	%R	Limits	True	Found	C	Limits	%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury	0.001	0.00120	116	80-120					
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Vanadium									
Zinc									
Tin									
Boron									
Cyanide									

U.S. EPA - CLP
12-IN
PREPARATION LOG

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Preparation Method: EPA 7470A

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
L1013017-01	08/30/10		25
WG430109-1	08/30/10		25
WG430109-2	08/30/10		25
WG430109-3	08/30/10		25
WG430109-4	08/30/10		25

FORM XII-IN

ILM05.0

U.S. EPA - CLP
13-IN
Analysis Run Log

Lab Name: Alpha Analytical

Lab Code: AAL

SDG No.: L1013017

Instrument ID: FIMS3 Analysis Method: 7470A

Start Date: 08/30/10 End Date: 08/30/10

Lab Sample ID	D/F	Time	Analytes																									
			A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	M O	N I	K	S E	A G	N A	S R	T L	V	Z N	S N
FIMS3ICV	1	15:31															X											
FIMS3ICB	1	15:32															X											
FIMS3CCV	1	15:52															X											
FIMS3CCB	1	15:54															X											
FIMS3CCV	1	16:15															X											
FIMS3CCB	1	16:16															X											
FIMS3CCV	1	16:36															X											
FIMS3CCB	1	16:38															X											
WG430109-1	1	16:47															X											
WG430109-2	1	16:49															X											
L1013017-01	1	16:51															X											
WG430109-3	1	16:52															X											
WG430109-4	1	16:54															X											
FIMS3CCV	1	16:58															X											
FIMS3CCB	1	16:59															X											

FORM XIII-IN

ILM02.0

Approved

Determination of Method Detection Limits

Alpha Analytical Inc.
Westborough, MA

Method : EPA 245.2 & 7470A

2009

Perkin Elmer CVAAS Mercury Liquid

Page 1 of 1	
Analyst	DM, EZ
Date:	1/22-23, 1/29, 2/2/2009
Instrument ID:	FIMS 1 & FIMS 3
Prep Method	EPA 7470A
Prep Chemist:	TD

Table (MDL)		Instrument ID	FIMS 1	FIMS 1	FIMS 1	FIMS 1	FIMS 1	FIMS 1	FIMS 3	FIMS 3	FIMS 3	FIMS 3	FIMS 3	FIMS 3	T value used for calculating MDL: 2.718					Mean (ug/L)	Mean Accuracy	Standard Deviation	Calc.MDL (ug/L)	Current RL (ug/L)	Comments
		Data File	mdi01	mdi02	mdi03	mdi04	mdi05	mdi06	mdi07	mdi08	mdi09	mdi10	mdi11	mdi12											
		Date Analy.	1/22/2009	1/22/2009	1/22/2009	1/23/2009	1/23/2009	1/23/2009	1/29/2009	1/29/2009	2/2/2009	2/2/2009	2/2/2009												
		Target Conc. (ug/L)	Rep-1 (ug/L)	Rep-2 (ug/L)	Rep-3 (ug/L)	Rep-4 (ug/L)	Rep-5 (ug/L)	Rep-6 (ug/L)	Rep-7 (ug/L)	Rep-8 (ug/L)	Rep-9 (ug/L)	Rep-10 (ug/L)	Rep-11 (ug/L)	Rep-12 (ug/L)											
No.	Analytes	0.100	0.099	0.097	0.102	0.100	0.100	0.099	0.088	0.086	0.085	0.068	0.057	0.077											
1	Mercury														0.088	88%	0.014	0.039	0.20						
3																									
4																									

Comments:

=====
Analysis Begun

Logged In Analyst: Administrator
Spectrometer Model: FIMS-100, S/N B050-9550

Technique: AA FIMS-MHS
Autosampler Model: AS-90

Sample Information File: C:\data-AA\Administrator\Sample Information\083010a.sif
Batch ID: ez
Results Data Set: Hg3083010a
Results Library: C:\data-AA\Administrator\Results\Results.mdb

Sequence No.: 1

Autosampler Location: 1

Sample ID: Calib Blank

Date Collected: 8/30/2010 15:15:25

Analyst:

Data Type: Original

Replicate Data: Calib Blank

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.002	0.011	0.002	15:16:14	Yes
2		[0.00]	0.002	0.011	0.002	15:16:43	Yes
3		[0.00]	0.002	0.012	0.002	15:17:12	Yes
Mean:		[0.00]	0.002				
SD:		0.00	0.0000				
%RSD:		0.00	1.31				

Auto-zero performed.

Sequence No.: 2

Autosampler Location: 2

Sample ID: 0.2 ppb

Date Collected: 8/30/2010 15:17:13

Analyst:

Data Type: Original

Replicate Data: 0.2 ppb

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.20]	0.002	0.025	0.004	15:18:01	Yes
2		[0.20]	0.003	0.026	0.004	15:18:29	Yes
3		[0.20]	0.002	0.025	0.004	15:18:58	Yes
Mean:		[0.20]	0.002				
SD:		0.00	0.0001				
%RSD:		0.00	3.09				

Standard number 1 applied. [0.20]

Correlation Coef.: 1.000000 Slope: 0.01219 Intercept: 0.00000

Sequence No.: 3

Autosampler Location: 3

Sample ID: 0.5 ppb

Date Collected: 8/30/2010 15:18:59

Analyst:

Data Type: Original

Replicate Data: 0.5 ppb

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.50]	0.006	0.043	0.007	15:19:46	Yes
2		[0.50]	0.006	0.043	0.007	15:20:15	Yes
3		[0.50]	0.006	0.042	0.007	15:20:43	Yes
Mean:		[0.50]	0.006				
SD:		0.00	0.0000				
%RSD:		0.00	0.38				

Standard number 2 applied. [0.50]

Correlation Coef.: 0.999367 Slope: 0.01126 Intercept: 0.00007

Sequence No.: 4

Autosampler Location: 4

Sample ID: 1.0 ppb

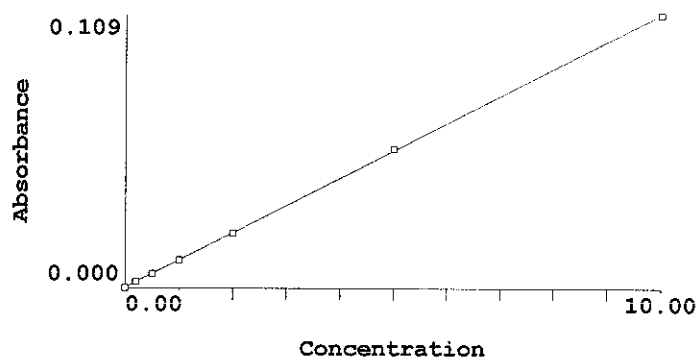
Date Collected: 8/30/2010 15:20:45

Analyst:

Data Type: Original

Replicate Data: 1.0 ppb

Rep1 #	SampleConc ug/L	StdndConc ug/L	BlndCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[1.00]	0.011	0.072	0.013	15:21:32	Yes
2		[1.00]	0.011	0.073	0.013	15:22:01	Yes
3		[1.00]	0.011	0.070	0.013	15:22:30	Yes
Mean:		[1.00]	0.011				
SD:		0.00	0.0002				
%RSD:		0.00	2.02				
Standard number 3 applied. [1.00]							
Correlation Coef.: 0.999808			Slope: 0.01107		Intercept: 0.00010		



Calibration data for Hg 253.7

Equation: Linear, Calculated Intercept

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Calib Blank	0.0000	0	-0.0210	0.00	1.3
0.2 ppb	0.0024	0.20	0.2028	0.00	3.1
0.5 ppb	0.0057	0.50	0.4982	0.00	0.4
1.0 ppb	0.0111	1.00	1.0017	0.00	2.0
2.0 ppb	0.0219	2.00	1.9885	0.00	1.4
5.0 ppb	0.0553	5.00	5.0552	0.00	1.4
10.0 ppb	0.1089	10.00	9.9745	0.00	0.7
Correlation Coef.: 0.999973 Slope: 0.01089 Intercept: 0.00023					

=====
Analysis BegunLogged In Analyst: Administrator
Spectrometer Model: FIMS-100, S/N B050-9550Technique: AA FIMS-MHS
Autosampler Model: AS-90Sample Information File: C:\data-AA\Administrator\Sample Information\083010a.sif
Batch ID: ez
Results Data Set: Hg3083010a
Results Library: C:\data-AA\Administrator\Results\Results.mdb=====
Sequence No.: 1
Sample ID: ICV
Analyst:Autosampler Location: 8
Date Collected: 8/30/2010 15:29:13
Data Type: Original-----
Replicate Data: ICV

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.174	3.174	0.035	0.206	0.037	15:30:06	Yes
2	3.103	3.103	0.034	0.201	0.036	15:30:34	Yes
3	3.179	3.179	0.035	0.205	0.037	15:31:03	Yes
Mean:	3.152	3.152	0.035				
SD:	0.0426	0.0426	0.0005				
%RSD:	1.351	1.351	1.34				

QC value within limits for Hg 253.7 Recovery = 105.06%
All analyte(s) passed QC.=====
Sequence No.: 2
Sample ID: ICB
Analyst:Autosampler Location: 9
Date Collected: 8/30/2010 15:31:05
Data Type: Original-----
Replicate Data: ICB

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0247	-0.0247	-0.000	0.010	0.002	15:31:56	Yes
2	-0.0371	-0.0371	-0.000	0.009	0.002	15:32:24	Yes
3	-0.0517	-0.0517	-0.000	0.006	0.001	15:32:53	Yes
Mean:	-0.0379	-0.0379	-0.000				
SD:	0.0135	0.0135	0.0001				
%RSD:	35.71	35.71	80.29				

All analyte(s) passed QC.

=====
Sequence No.: 3
Sample ID: wg430108-1 wg430120
Analyst: PBWAutosampler Location: 12
Date Collected: 8/30/2010 15:32:54
Data Type: Original-----
Replicate Data: wg430108-1 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0594	-0.0594	-0.000	0.006	0.001	15:33:43	Yes
2	-0.0543	-0.0543	-0.000	0.007	0.001	15:34:11	Yes
3	-0.0728	-0.0728	-0.001	0.004	0.001	15:34:40	Yes
Mean:	-0.0621	-0.0621	-0.000				
SD:	0.0095	0.0095	0.0001				
%RSD:	15.35	15.35	23.20				

=====
Sequence No.: 4
Sample ID: wg430108-2 wg430120
Analyst: LC5WAutosampler Location: 13
Date Collected: 8/30/2010 15:34:41
Data Type: Original-----
Replicate Data: wg430108-2 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	1.092	1.092	0.012	0.079	0.014	15:35:28	Yes
2	1.152	1.152	0.013	0.083	0.015	15:35:58	Yes
3	1.157	1.157	0.013	0.084	0.015	15:36:26	Yes
Mean:	1.133	1.133	0.013				
SD:	0.0362	0.0362	0.0004				
%RSD:	3.195	3.195	3.14				

Sequence No.: 5

Sample ID: 11013235-01 u

Analyst:

Autosampler Location: 14

Date Collected: 8/30/2010 15:36:28

Data Type: Original

Replicate Data: 11013235-01 u

Repl #	SampleConc ug/L	StdConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.7288	0.7288	0.008	0.059	0.010	15:37:15	Yes
2	0.7377	0.7377	0.008	0.059	0.010	15:37:43	Yes
3	0.7323	0.7323	0.008	0.058	0.010	15:38:12	Yes
Mean:	0.7329	0.7329	0.008				
SD:	0.0045	0.0045	0.0000				
%RSD:	0.6117	0.6117	0.59				

Sequence No.: 6

Sample ID: wg430108-3 wg430120

Analyst:

Autosampler Location: 15

Date Collected: 8/30/2010 15:38:14

Data Type: Original

Replicate Data: wg430108-3 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.8220	0.8220	0.009	0.064	0.011	15:39:01	Yes
2	0.7985	0.7985	0.009	0.061	0.011	15:39:29	Yes
3	0.7855	0.7855	0.009	0.060	0.011	15:39:58	Yes
Mean:	0.8020	0.8020	0.009				
SD:	0.0185	0.0185	0.0002				
%RSD:	2.306	2.306	2.25				

Sequence No.: 7

Sample ID: wg430108-4 wg430120

Analyst:

Autosampler Location: 16

Date Collected: 8/30/2010 15:40:00

Data Type: Original

Replicate Data: wg430108-4 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.841	1.841	0.020	0.123	0.022	15:40:48	Yes
2	1.805	1.805	0.020	0.120	0.022	15:41:16	Yes
3	1.820	1.820	0.020	0.120	0.022	15:41:45	Yes
Mean:	1.822	1.822	0.020				
SD:	0.0180	0.0180	0.0002				
%RSD:	0.9852	0.9852	0.97				

Sequence No.: 8

Sample ID: wg430114-1 wg430120

Analyst:

Autosampler Location: 17

Date Collected: 8/30/2010 15:41:46

Data Type: Original

Replicate Data: wg430114-1 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0576	-0.0576	-0.000	0.006	0.001	15:42:34	Yes
2	-0.0538	-0.0538	-0.000	0.006	0.001	15:43:03	Yes
3	-0.0611	-0.0611	-0.000	0.005	0.001	15:43:31	Yes
Mean:	-0.0575	-0.0575	-0.000				
SD:	0.0036	0.0036	0.0000				
%RSD:	6.297	6.297	9.93				

Sequence No.: 9

Sample ID: wg430114-2 wg430120

Analyst:

Autosampler Location: 18

Date Collected: 8/30/2010 15:43:33

Data Type: Original

Replicate Data: wg430114-2 wg430120

Repl #	SampleConc ug/L	StdndConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.030	1.030	0.011	0.068	0.013	15:44:20	Yes
2	1.067	1.067	0.012	0.071	0.014	15:44:49	Yes
3	1.069	1.069	0.012	0.072	0.014	15:45:18	Yes
Mean:	1.055	1.055	0.012				
SD:	0.0221	0.0221	0.0002				
%RSD:	2.098	2.098	2.06				

Sequence No.: 10

Sample ID: filter blank

Analyst:

Autosampler Location: 19

Date Collected: 8/30/2010 15:45:20

Data Type: Original

Replicate Data: filter blank

Repl #	SampleConc ug/L	StdndConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0381	0.0381	0.001	0.012	0.002	15:46:10	Yes
2	0.0112	0.0112	0.000	0.009	0.002	15:46:39	Yes
3	0.0481	0.0481	0.001	0.014	0.002	15:47:07	Yes
Mean:	0.0325	0.0325	0.001				
SD:	0.0191	0.0191	0.0002				
%RSD:	58.83	58.83	35.70				

Sequence No.: 11

Sample ID: 11013153-01 r

Analyst:

Autosampler Location: 20

Date Collected: 8/30/2010 15:47:09

Data Type: Original

Replicate Data: 11013153-01 r

Repl #	SampleConc ug/L	StdndConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0159	-0.0159	0.000	0.011	0.002	15:47:56	Yes
2	-0.0301	-0.0301	-0.000	0.009	0.002	15:48:24	Yes
3	-0.0230	-0.0230	-0.000	0.010	0.002	15:48:53	Yes
Mean:	-0.0230	-0.0230	-0.000				
SD:	0.0071	0.0071	0.0001				
%RSD:	30.69	30.69	353.97				

Sequence No.: 12

Sample ID: 11013235-01 r

Analyst:

Autosampler Location: 21

Date Collected: 8/30/2010 15:48:54

Data Type: Original

Replicate Data: 11013235-01 r

Repl #	SampleConc ug/L	StdndConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0216	0.0216	0.000	0.014	0.002	15:49:41	Yes
2	0.0179	0.0179	0.000	0.013	0.002	15:50:10	Yes
3	0.0251	0.0251	0.001	0.014	0.002	15:50:39	Yes
Mean:	0.0215	0.0215	0.000				
SD:	0.0036	0.0036	0.0000				
%RSD:	16.60	16.60	8.40				

Sequence No.: 13

Sample ID: CCV

Analyst:

Autosampler Location: 10

Date Collected: 8/30/2010 15:50:40

Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StdndConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	5.287	5.287	0.058	0.334	0.060	15:51:28	Yes
2	5.302	5.302	0.058	0.335	0.060	15:51:58	Yes
3	5.198	5.198	0.057	0.327	0.059	15:52:26	Yes
Mean:	5.262	5.262	0.058				
SD:	0.0559	0.0559	0.0006				
%RSD:	1.063	1.063	1.06				

QC value within limits for Hg 253.7 Recovery = 105.25%
All analyte(s) passed QC.

Sequence No.: 14

Autosampler Location: 11

Sample ID: CCB

Date Collected: 8/30/2010 15:52:28

Analyst:

Data Type: Original

Replicate Data: CCB

Repl	SampleConc	StdConc	Blncorr	Peak	Peak	Time	Peak
#	ug/L	ug/L	Signal	Area	Height		Stored
1	-0.0102	-0.0102	0.000	0.011	0.002	15:53:15	Yes
2	-0.0175	-0.0175	0.000	0.010	0.002	15:53:44	Yes
3	-0.0164	-0.0164	0.000	0.010	0.002	15:54:13	Yes
Mean:	-0.0147	-0.0147	0.000				
SD:	0.0039	0.0039	0.0000				
%RSD:	26.84	26.84	62.06				

All analyte(s) passed QC.

User canceled analysis.

=====
Analysis BegunLogged In Analyst: Administrator
Spectrometer Model: FIMS-100, S/N B050-9550Technique: AA FIMS-MHS
Autosampler Model: AS-90Sample Information File: C:\data-AA\Administrator\Sample Information\083010a.sif
Batch ID: ez
Results Data Set: Hg3083010a
Results Library: C:\data-AA\Administrator\Results\Results.mdb=====
Method Loaded

Method Name: 0.2-10 ppb C

Method Last Saved: 7/15/2010 13:22:23

Method Description: 0, 0.2, 0.5, 1, 2, 5, 10 ppb Hg

=====
Sequence No.: 1

Sample ID: wg430114-3 wg430120

Autosampler Location: 22

Date Collected: 8/30/2010 15:55:41

Analyst: *an Lopez* (R)

Data Type: Original

=====
Replicate Data: wg430114-3 wg430120

Repl	SampleConc	StdConc	BlkCorr	Peak	Peak	Time	Peak
#	ug/L	ug/L	Signal	Area	Height		Stored
1	-0.0321	-0.0321	-0.000	0.008	0.002	15:56:29	Yes
2	-0.0161	-0.0161	0.000	0.010	0.002	15:56:58	Yes
3	-0.0228	-0.0228	-0.000	0.008	0.002	15:57:26	Yes
Mean:	-0.0236	-0.0236	-0.000				
SD:	0.0081	0.0081	0.0001				
%RSD:	34.04	34.04	306.34				

=====
Sequence No.: 2

Sample ID: wg430114-4 wg430120

Autosampler Location: 23

Date Collected: 8/30/2010 15:57:28

Analyst: *1013235.1ms* (R) 117

Data Type: Original

=====
Replicate Data: wg430114-4 wg430120

Repl	SampleConc	StdConc	BlkCorr	Peak	Peak	Time	Peak
#	ug/L	ug/L	Signal	Area	Height		Stored
1	1.116	1.116	0.012	0.077	0.014	15:58:15	Yes
2	1.110	1.110	0.012	0.077	0.014	15:58:44	Yes
3	1.121	1.121	0.012	0.078	0.014	15:59:13	Yes
Mean:	1.115	1.115	0.012				
SD:	0.0054	0.0054	0.0001				
%RSD:	0.4804	0.4804	0.47				

=====
Sequence No.: 3

Sample ID: wg430113-1 wg430120

Autosampler Location: 24

Date Collected: 8/30/2010 15:59:14

Analyst: *PBW*

Data Type: Original

=====
Replicate Data: wg430113-1 wg430120

Repl	SampleConc	StdConc	BlkCorr	Peak	Peak	Time	Peak
#	ug/L	ug/L	Signal	Area	Height		Stored
1	-0.0049	-0.0049	0.000	0.012	0.002	16:00:02	Yes
2	-0.0333	-0.0333	-0.000	0.008	0.002	16:00:30	Yes
3	-0.0467	-0.0467	-0.000	0.007	0.001	16:00:59	Yes
Mean:	-0.0283	-0.0283	-0.000				
SD:	0.0214	0.0214	0.0002				
%RSD:	75.50	75.50	293.89				

=====
Sequence No.: 4

Sample ID: wg430113-2 wg430120

Autosampler Location: 25

Date Collected: 8/30/2010 16:01:00

Analyst: *CCSW*

Data Type: Original

=====
Replicate Data: wg430113-2 wg430120

Repl #	SampleConc ug/L	StdndConc ug/L	BlndCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.159	1.159	0.013	0.081	0.015	16:01:47	Yes
2	1.160	1.160	0.013	0.081	0.015	16:02:16	Yes
3	1.162	1.162	0.013	0.082	0.015	16:02:45	Yes
Mean:	1.160	1.160	0.013				
SD:	0.0016	0.0016	0.0000				
%RSD:	0.1379	0.1379	0.14				

Sequence No.: 5

Sample ID: filter blank

Analyst:

Autosampler Location: 26

Date Collected: 8/30/2010 16:02:46

Data Type: Original

Replicate Data: filter blank

Repl #	SampleConc ug/L	StdndConc ug/L	BlndCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0092	0.0092	0.000	0.013	0.002	16:03:34	Yes
2	0.0125	0.0125	0.000	0.013	0.002	16:04:02	Yes
3	0.0025	0.0025	0.000	0.012	0.002	16:04:31	Yes
Mean:	0.0081	0.0081	0.000				
SD:	0.0051	0.0051	0.0001				
%RSD:	63.42	63.42	17.62				

Sequence No.: 6

Sample ID: 11013180-03 s

Analyst:

Autosampler Location: 27

Date Collected: 8/30/2010 16:04:33

Data Type: Original

Replicate Data: 11013180-03 s

Repl #	SampleConc ug/L	StdndConc ug/L	BlndCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.1100	0.1100	0.001	0.019	0.003	16:05:20	Yes
2	0.1015	0.1015	0.001	0.018	0.003	16:05:49	Yes
3	0.1003	0.1003	0.001	0.017	0.003	16:06:17	Yes
Mean:	0.1039	0.1039	0.001				
SD:	0.0053	0.0053	0.0001				
%RSD:	5.104	5.104	4.25				

Sequence No.: 7

Sample ID: wg430113-3 wg430120 *(s)*

Analyst:

Autosampler Location: 28

Date Collected: 8/30/2010 16:06:19

Data Type: Original

Replicate Data: wg430113-3 wg430120

Repl #	SampleConc ug/L	StdndConc ug/L	BlndCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0970	0.0970	0.001	0.017	0.003	16:07:09	Yes
2	0.0760	0.0760	0.001	0.014	0.003	16:07:38	Yes
3	0.0732	0.0732	0.001	0.014	0.003	16:08:06	Yes
Mean:	0.0821	0.0821	0.001				
SD:	0.0130	0.0130	0.0001				
%RSD:	15.80	15.80	12.58				

Sequence No.: 8

Sample ID: wg430113-4 wg430120 *(s)*

Analyst:

Autosampler Location: 29

Date Collected: 8/30/2010 16:08:08

Data Type: Original

Replicate Data: wg430113-4 wg430120

Repl #	SampleConc ug/L	StdndConc ug/L	BlndCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.285	1.285	0.014	0.091	0.016	16:08:55	Yes
2	1.282	1.282	0.014	0.089	0.016	16:09:24	Yes
3	1.288	1.288	0.014	0.090	0.016	16:09:53	Yes
Mean:	1.285	1.285	0.014				
SD:	0.0033	0.0033	0.0000				
%RSD:	0.2589	0.2589	0.25				

Sequence No.: 9

Sample ID: 11013180-04 s

Analyst:

Autosampler Location: 30

Date Collected: 8/30/2010 16:09:55

Data Type: Original

Replicate Data: 11013180-04 s

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.1131	0.1131	0.001	0.020	0.003	16:10:42	Yes
2	0.1180	0.1180	0.002	0.021	0.003	16:11:11	Yes
3	0.1111	0.1111	0.001	0.020	0.003	16:11:39	Yes
Mean:	0.1141	0.1141	0.001				
SD:	0.0036	0.0036	0.0000				
%RSD:	3.118	3.118	2.63				

Sequence No.: 10

Sample ID: 11012323-23 wg430120

Analyst:

Autosampler Location: 31

Date Collected: 8/30/2010 16:11:41

Data Type: Original

Replicate Data: 11012323-23 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0855	0.0855	0.001	0.020	0.003	16:12:28	Yes
2	0.0245	0.0245	0.000	0.013	0.002	16:12:57	Yes
3	0.0184	0.0184	0.000	0.013	0.002	16:13:25	Yes
Mean:	0.0428	0.0428	0.001				
SD:	0.0371	0.0371	0.0004				
%RSD:	86.71	86.71	58.14				

Sequence No.: 11

Sample ID: CCV

Analyst:

Autosampler Location: 10

Date Collected: 8/30/2010 16:13:27

Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.346	5.346	0.058	0.335	0.060	16:14:16	Yes
2	5.323	5.323	0.058	0.330	0.060	16:14:44	Yes
3	5.175	5.175	0.057	0.321	0.058	16:15:13	Yes
Mean:	5.281	5.281	0.058				
SD:	0.0930	0.0930	0.0010				
%RSD:	1.761	1.761	1.75				

QC value within limits for Hg 253.7 Recovery = 105.63%
All analyte(s) passed QC.

Sequence No.: 12

Sample ID: CCB

Analyst:

Autosampler Location: 11

Date Collected: 8/30/2010 16:15:15

Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0252	-0.0252	-0.000	0.009	0.002	16:16:02	Yes
2	-0.0353	-0.0353	-0.000	0.008	0.002	16:16:31	Yes
3	-0.0353	-0.0353	-0.000	0.008	0.002	16:16:59	Yes
Mean:	-0.0319	-0.0319	-0.000				
SD:	0.0058	0.0058	0.0001				
%RSD:	18.19	18.19	53.28				

All analyte(s) passed QC.

Sequence No.: 13

Sample ID: wg430111-3 wg430120

Analyst:

Autosampler Location: 32

Date Collected: 8/30/2010 16:17:01

Data Type: Original

1012323.23 ms 112

Replicate Data: wg430111-3 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.140	1.140	0.013	0.079	0.014	16:17:50	Yes
2	1.154	1.154	0.013	0.082	0.015	16:18:19	Yes
3	1.078	1.078	0.012	0.074	0.014	16:18:47	Yes
Mean:	1.124	1.124	0.012				
SD:	0.0406	0.0406	0.0004				
%RSD:	3.611	3.611	3.54				

Sequence No.: 14

Sample ID: wg430111-4 wg430120

Analyst:

Autosampler Location: 33

Date Collected: 8/30/2010 16:18:49

Data Type: Original

1012323.23 msd 107

Replicate Data: wg430111-4 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.075	1.075	0.012	0.076	0.014	16:19:36	Yes
2	1.066	1.066	0.012	0.077	0.014	16:20:05	Yes
3	1.079	1.079	0.012	0.076	0.014	16:20:33	Yes
Mean:	1.073	1.073	0.012				
SD:	0.0066	0.0066	0.0001				
%RSD:	0.6157	0.6157	0.60				

Sequence No.: 15

Sample ID: wg430111-1 wg430120

Analyst:

Autosampler Location: 34

Date Collected: 8/30/2010 16:20:35

Data Type: Original

PBN

Replicate Data: wg430111-1 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0152	-0.0152	0.000	0.011	0.002	16:21:22	Yes
2	-0.0062	-0.0062	0.000	0.012	0.002	16:21:51	Yes
3	-0.0185	-0.0185	0.000	0.011	0.002	16:22:19	Yes
Mean:	-0.0133	-0.0133	0.000				
SD:	0.0063	0.0063	0.0001				
%RSD:	47.59	47.59	82.18				

Sequence No.: 16

Sample ID: wg430111-2 wg430120

Analyst:

Autosampler Location: 35

Date Collected: 8/30/2010 16:22:21

Data Type: Original

CCSW 116

Replicate Data: wg430111-2 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.176	1.176	0.013	0.083	0.015	16:23:08	Yes
2	1.179	1.179	0.013	0.082	0.015	16:23:37	Yes
3	1.135	1.135	0.013	0.080	0.014	16:24:05	Yes
Mean:	1.163	1.163	0.013				
SD:	0.0243	0.0243	0.0003				
%RSD:	2.085	2.085	2.05				

Sequence No.: 17

Sample ID: 11012323-24 wg430120

Analyst:

Autosampler Location: 36

Date Collected: 8/30/2010 16:24:07

Data Type: Original

Replicate Data: 11012323-24 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0386	0.0386	0.001	0.015	0.002	16:24:54	Yes
2	0.0302	0.0302	0.001	0.014	0.002	16:25:23	Yes
3	0.0274	0.0274	0.001	0.014	0.002	16:25:52	Yes

Mean: 0.0321 0.0321 0.001
SD: 0.0058 0.0058 0.0001
%RSD: 18.09 18.09 10.92

Sequence No.: 18

Sample ID: 11012323-26 wg430120

Analyst:

Autosampler Location: 37

Date Collected: 8/30/2010 16:25:54

Data Type: Original

Replicate Data: 11012323-26 wg430120

Repl	SampleConc	StndConc	BlkCorr	Peak	Peak	Time	Peak
#	ug/L	ug/L	Signal	Area	Height		Stored
1	0.0009	0.0009	0.000	0.012	0.002	16:26:44	Yes
2	-0.0071	-0.0071	0.000	0.010	0.002	16:27:13	Yes
3	-0.0059	-0.0059	0.000	0.011	0.002	16:27:41	Yes
Mean:	-0.0040	-0.0040	0.000				
SD:	0.0044	0.0044	0.0000				
%RSD:	107.7	107.7	25.67				

Sequence No.: 19

Sample ID: 11012323-31 wg430120

Analyst:

Autosampler Location: 38

Date Collected: 8/30/2010 16:27:43

Data Type: Original

Replicate Data: 11012323-31 wg430120

Repl	SampleConc	StndConc	BlkCorr	Peak	Peak	Time	Peak
#	ug/L	ug/L	Signal	Area	Height		Stored
1	0.0097	0.0097	0.000	0.012	0.002	16:28:30	Yes
2	-0.0016	-0.0016	0.000	0.010	0.002	16:28:59	Yes
3	-0.0133	-0.0133	0.000	0.008	0.002	16:29:27	Yes
Mean:	-0.0017	-0.0017	0.000				
SD:	0.0115	0.0115	0.0001				
%RSD:	663.5	663.5	59.65				

Sequence No.: 20

Sample ID: 11012323-33 wg430120

Analyst:

Autosampler Location: 39

Date Collected: 8/30/2010 16:29:29

Data Type: Original

Replicate Data: 11012323-33 wg430120

Repl	SampleConc	StndConc	BlkCorr	Peak	Peak	Time	Peak
#	ug/L	ug/L	Signal	Area	Height		Stored
1	-0.0116	-0.0116	0.000	0.008	0.002	16:30:16	Yes
2	0.0006	0.0006	0.000	0.009	0.002	16:30:45	Yes
3	-0.0070	-0.0070	0.000	0.009	0.002	16:31:14	Yes
Mean:	-0.0060	-0.0060	0.000				
SD:	0.0062	0.0062	0.0001				
%RSD:	102.8	102.8	41.06				

Sequence No.: 21

Sample ID: wg430117-1 wg430120

Analyst:

Autosampler Location: 40

Date Collected: 8/30/2010 16:31:15

Data Type: Original

PBW

Replicate Data: wg430117-1 wg430120

Repl	SampleConc	StndConc	BlkCorr	Peak	Peak	Time	Peak
#	ug/L	ug/L	Signal	Area	Height		Stored
1	-0.0498	-0.0498	-0.000	0.007	0.001	16:32:03	Yes
2	-0.0464	-0.0464	-0.000	0.007	0.001	16:32:31	Yes
3	-0.0234	-0.0234	-0.000	0.010	0.002	16:33:00	Yes
Mean:	-0.0399	-0.0399	-0.000				
SD:	0.0144	0.0144	0.0002				
%RSD:	36.06	36.06	76.29				

Sequence No.: 22

Sample ID: wg430117-2 wg430120

Analyst:

Autosampler Location: 41

Date Collected: 8/30/2010 16:33:01

Data Type: Original

Replicate Data: wg430117-2 wg430120

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.108	1.108	0.012	0.078	0.014	16:33:50	Yes
2	1.123	1.123	0.012	0.077	0.014	16:34:18	Yes
3	1.129	1.129	0.013	0.079	0.014	16:34:47	Yes
Mean:	1.120	1.120	0.012				
SD:	0.0111	0.0111	0.0001				
%RSD:	0.9935	0.9935	0.98				

Sequence No.: 23

Sample ID: CCV

Analyst:

Autosampler Location: 10

Date Collected: 8/30/2010 16:34:49

Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.344	5.344	0.058	0.337	0.060	16:35:39	Yes
2	5.307	5.307	0.058	0.332	0.060	16:36:07	Yes
3	5.263	5.263	0.058	0.329	0.059	16:36:36	Yes
Mean:	5.305	5.305	0.058				
SD:	0.0407	0.0407	0.0004				
%RSD:	0.7672	0.7672	0.76				

QC value within limits for Hg 253.7 Recovery = 106.10%
All analyte(s) passed QC.

Sequence No.: 24

Sample ID: CCB

Analyst:

Autosampler Location: 11

Date Collected: 8/30/2010 16:36:38

Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0178	-0.0178	0.000	0.010	0.002	16:37:25	Yes
2	-0.0150	-0.0150	0.000	0.011	0.002	16:37:54	Yes
3	-0.0005	-0.0005	0.000	0.013	0.002	16:38:23	Yes
Mean:	-0.0111	-0.0111	0.000				
SD:	0.0093	0.0093	0.0001				
%RSD:	83.83	83.83	93.83				

All analyte(s) passed QC.

=====
Analysis BegunLogged In Analyst: Administrator
Spectrometer Model: FIMS-100, S/N B050-9550Technique: AA FIMS-MHS
Autosampler Model: AS-90Sample Information File: C:\data-AA\Administrator\Sample Information\083010a.sif
Batch ID: ez
Results Data Set: Hg3083010a
Results Library: C:\data-AA\Administrator\Results\Results.mdb

Sequence No.: 1

Sample ID: 11013180-01 t

Analyst:

Autosampler Location: 12

Date Collected: 8/30/2010 16:38:40

Data Type: Original

Replicate Data: 11013180-01 t

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.2635	0.2635	0.003	0.028	0.005	16:39:29	Yes
2	0.2489	0.2489	0.003	0.026	0.005	16:39:58	Yes
3	0.2478	0.2478	0.003	0.026	0.005	16:40:27	Yes
Mean:	0.2534	0.2534	0.003				
SD:	0.0088	0.0088	0.0001				
%RSD:	3.471	3.471	3.21				

Sequence No.: 2

Sample ID: 11013180-02 t

Analyst:

Autosampler Location: 13

Date Collected: 8/30/2010 16:40:28

Data Type: Original

Replicate Data: 11013180-02 t

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.2118	0.2118	0.003	0.024	0.004	16:41:16	Yes
2	0.2211	0.2211	0.003	0.024	0.004	16:41:45	Yes
3	0.1921	0.1921	0.002	0.021	0.004	16:42:14	Yes
Mean:	0.2083	0.2083	0.002				
SD:	0.0148	0.0148	0.0002				
%RSD:	7.098	7.098	6.45				

Sequence No.: 3

Sample ID: wg430117-3 wg430120

Analyst:

Autosampler Location: 14

Date Collected: 8/30/2010 16:42:15

Data Type: Original

Replicate Data: wg430117-3 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.2269	0.2269	0.003	0.025	0.004	16:43:02	Yes
2	0.2400	0.2400	0.003	0.027	0.005	16:43:31	Yes
3	0.2398	0.2398	0.003	0.027	0.005	16:43:59	Yes
Mean:	0.2355	0.2355	0.003				
SD:	0.0075	0.0075	0.0001				
%RSD:	3.185	3.185	2.92				

Sequence No.: 4

Sample ID: wg430117-4 wg430120

Analyst:

Autosampler Location: 15

Date Collected: 8/30/2010 16:44:01

Data Type: Original

Replicate Data: wg430117-4 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.475	1.475	0.016	0.101	0.018	16:44:48	Yes
2	1.487	1.487	0.016	0.101	0.018	16:45:16	Yes
3	1.473	1.473	0.016	0.101	0.018	16:45:45	Yes

Mean: 1.478 1.478 0.016
SD: 0.0079 0.0079 0.0001
%RSD: 0.5348 0.5348 0.53

Sequence No.: 5

Sample ID: wg430109-1 wg430120

Analyst:

Autosampler Location: 16

Date Collected: 8/30/2010 16:45:47

Data Type: Original

Replicate Data: wg430109-1 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0106	-0.0106	0.000	0.011	0.002	16:46:34	Yes
2	-0.0174	-0.0174	0.000	0.010	0.002	16:47:03	Yes
3	-0.0244	-0.0244	-0.000	0.010	0.002	16:47:32	Yes
Mean:	-0.0175	-0.0175	0.000				
SD:	0.0069	0.0069	0.0001				
%RSD:	39.72	39.72	194.21				

Sequence No.: 6

Sample ID: wg430109-2 wg430120

Analyst:

Autosampler Location: 17

Date Collected: 8/30/2010 16:47:33

Data Type: Original

Replicate Data: wg430109-2 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.193	1.193	0.013	0.082	0.015	16:48:21	Yes
2	1.159	1.159	0.013	0.078	0.015	16:48:49	Yes
3	1.133	1.133	0.013	0.073	0.014	16:49:18	Yes
Mean:	1.162	1.162	0.013				
SD:	0.0303	0.0303	0.0003				
%RSD:	2.611	2.611	2.56				

Sequence No.: 7

Sample ID: 11013017-01 t

Analyst:

Autosampler Location: 18

Date Collected: 8/30/2010 16:49:19

Data Type: Original

Replicate Data: 11013017-01 t

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.7604	0.7604	0.009	0.054	0.010	16:50:07	Yes
2	0.7413	0.7413	0.008	0.052	0.010	16:50:35	Yes
3	0.7758	0.7758	0.009	0.056	0.010	16:51:04	Yes
Mean:	0.7592	0.7592	0.008				
SD:	0.0173	0.0173	0.0002				
%RSD:	2.278	2.278	2.22				

Sequence No.: 8

Sample ID: wg430109-3 wg430120

Analyst:

Autosampler Location: 19

Date Collected: 8/30/2010 16:51:05

Data Type: Original

Replicate Data: wg430109-3 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.6928	0.6928	0.008	0.051	0.010	16:51:56	Yes
2	0.6835	0.6835	0.008	0.050	0.009	16:52:24	Yes
3	0.7061	0.7061	0.008	0.053	0.010	16:52:53	Yes
Mean:	0.6941	0.6941	0.008				
SD:	0.0113	0.0113	0.0001				
%RSD:	1.635	1.635	1.59				

Sequence No.: 9

Sample ID: wg430109-4 wg430120

Analyst:

Autosampler Location: 20

Date Collected: 8/30/2010 16:52:54

Data Type: Original

1013017.1ms 109

Replicate Data: wg430109-4 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.858	1.858	0.020	0.121	0.022	16:53:42	Yes
2	1.840	1.840	0.020	0.121	0.022	16:54:11	Yes
3	1.840	1.840	0.020	0.121	0.022	16:54:40	Yes
Mean:	1.846	1.846	0.020				
SD:	0.0104	0.0104	0.0001				
%RSD:	0.5658	0.5658	0.56				

Sequence No.: 10

Sample ID: wg430115-1 wg430120

Analyst:

Autosampler Location: 21

Date Collected: 8/30/2010 16:54:41

Data Type: Original

Replicate Data: wg430115-1 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0320	0.0320	0.001	0.014	0.002	16:55:29	Yes
2	0.0311	0.0311	0.001	0.014	0.002	16:55:57	Yes
3	0.0344	0.0344	0.001	0.015	0.002	16:56:26	Yes
Mean:	0.0325	0.0325	0.001				
SD:	0.0017	0.0017	0.0000				
%RSD:	5.267	5.267	3.20				

Sequence No.: 11

Sample ID: CCV

Analyst:

Autosampler Location: 10

Date Collected: 8/30/2010 16:56:27

Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StdConc ug/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.419	5.419	0.059	0.336	0.061	16:57:16	Yes
2	5.302	5.302	0.058	0.328	0.060	16:57:44	Yes
3	5.425	5.425	0.059	0.336	0.061	16:58:13	Yes
Mean:	5.382	5.382	0.059				
SD:	0.0694	0.0694	0.0008				
%RSD:	1.290	1.290	1.28				

QC value within limits for Hg 253.7 Recovery = 107.64%

All analyte(s) passed QC.

Sequence No.: 12

Sample ID: CCB

Analyst:

Autosampler Location: 11

Date Collected: 8/30/2010 16:58:14

Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StdConc ug/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0034	-0.0034	0.000	0.012	0.002	16:59:02	Yes
2	0.0054	0.0054	0.000	0.013	0.002	16:59:30	Yes
3	-0.0036	-0.0036	0.000	0.012	0.002	16:59:59	Yes
Mean:	-0.0005	-0.0005	0.000				
SD:	0.0052	0.0052	0.0001				
%RSD:	988.5	988.5	25.13				

All analyte(s) passed QC.

Sequence No.: 13

Sample ID: wg430115-2 wg430120

Analyst:

Autosampler Location: 22

Date Collected: 8/30/2010 17:00:01

Data Type: Original

Replicate Data: wg430115-2 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	Blncorr Signal	Peak Area	Peak Height	Time	Peak Stored

USC 44

1	1.161	1.161	0.013	0.081	0.015	17:00:48	Yes
2	1.137	1.137	0.013	0.079	0.014	17:01:17	Yes
3	1.126	1.126	0.012	0.078	0.014	17:01:46	Yes
Mean:	1.141	1.141	0.013				
SD:	0.0179	0.0179	0.0002				
%RSD:	1.572	1.572	1.54				

Sequence No.: 14

Sample ID: 11013085-01 c

Analyst:

Autosampler Location: 23

Date Collected: 8/30/2010 17:01:48

Data Type: Original

Replicate Data: 11013085-01 c

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0004	0.0004	0.000	0.010	0.002	17:02:35	Yes
2	0.0008	0.0008	0.000	0.010	0.002	17:03:04	Yes
3	-0.0025	-0.0025	0.000	0.010	0.002	17:03:32	Yes
Mean:	-0.0004	-0.0004	0.000				
SD:	0.0018	0.0018	0.0000				
%RSD:	408.4	408.4	8.85				

Sequence No.: 15

Sample ID: wg430115-3 wg430120

Analyst:

Autosampler Location: 24

Date Collected: 8/30/2010 17:03:34

Data Type: Original

Replicate Data: wg430115-3 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0094	-0.0094	0.000	0.009	0.002	17:04:27	Yes
2	0.0100	0.0100	0.000	0.012	0.002	17:04:56	Yes
3	0.0113	0.0113	0.000	0.012	0.002	17:05:25	Yes
Mean:	0.0040	0.0040	0.000				
SD:	0.0116	0.0116	0.0001				
%RSD:	292.0	292.0	46.39				

Sequence No.: 16

Sample ID: wg430115-4 wg430120

Analyst:

Autosampler Location: 25

Date Collected: 8/30/2010 17:05:26

Data Type: Original

Replicate Data: wg430115-4 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.169	1.169	0.013	0.078	0.015	17:06:14	Yes
2	1.206	1.206	0.013	0.082	0.015	17:06:42	Yes
3	1.178	1.178	0.013	0.078	0.015	17:07:11	Yes
Mean:	1.184	1.184	0.013				
SD:	0.0190	0.0190	0.0002				
%RSD:	1.601	1.601	1.57				

Sequence No.: 17

Sample ID: wg430116-1 wg430120

Analyst:

Autosampler Location: 26

Date Collected: 8/30/2010 17:07:12

Data Type: Original

Replicate Data: wg430116-1 wg430120

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0001	0.0001	0.000	0.010	0.002	17:07:59	Yes
2	0.0058	0.0058	0.000	0.011	0.002	17:08:28	Yes
3	0.0061	0.0061	0.000	0.011	0.002	17:08:57	Yes
Mean:	0.0040	0.0040	0.000				
SD:	0.0033	0.0033	0.0000				
%RSD:	83.59	83.59	13.36				

Sequence No.: 18

Sample ID: wg430116-2 wg430120

Analyst:

LCSC
109

Autosampler Location: 27

Date Collected: 8/30/2010 17:08:58

Data Type: Original

Replicate Data: wg430116-2 wg430120

Repl #	SampleConc ug/L	StdndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.092	1.092	0.012	0.077	0.014	17:09:46	Yes
2	1.088	1.088	0.012	0.075	0.014	17:10:15	Yes
3	1.103	1.103	0.012	0.078	0.014	17:10:44	Yes
Mean:	1.094	1.094	0.012				
SD:	0.0082	0.0082	0.0001				
%RSD:	0.7521	0.7521	0.74				

Sequence No.: 19

Sample ID: 11012993-01 c

Analyst:

Autosampler Location: 28

Date Collected: 8/30/2010 17:10:45

Data Type: Original

Replicate Data: 11012993-01 c

Repl #	SampleConc ug/L	StdndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0122	0.0122	0.000	0.012	0.002	17:11:35	Yes
2	-0.0074	-0.0074	0.000	0.009	0.002	17:12:04	Yes
3	0.0173	0.0173	0.000	0.012	0.002	17:12:32	Yes
Mean:	0.0074	0.0074	0.000				
SD:	0.0130	0.0130	0.0001				
%RSD:	176.8	176.8	45.93				

Sequence No.: 20

Sample ID: wg430116-3 wg430120

Analyst:

1012993.1 dp

Autosampler Location: 29

Date Collected: 8/30/2010 17:12:34

Data Type: Original

Replicate Data: wg430116-3 wg430120

Repl #	SampleConc ug/L	StdndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0118	0.0118	0.000	0.011	0.002	17:13:21	Yes
2	0.0327	0.0327	0.001	0.014	0.002	17:13:50	Yes
3	0.0260	0.0260	0.001	0.014	0.002	17:14:18	Yes
Mean:	0.0235	0.0235	0.000				
SD:	0.0107	0.0107	0.0001				
%RSD:	45.42	45.42	23.97				

Sequence No.: 21

Sample ID: wg430116-4 wg430120

Analyst:

1012993.1 ms 124

Autosampler Location: 30

Date Collected: 8/30/2010 17:14:20

Data Type: Original

Replicate Data: wg430116-4 wg430120

Repl #	SampleConc ug/L	StdndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.234	1.234	0.014	0.086	0.015	17:15:07	Yes
2	1.233	1.233	0.014	0.085	0.015	17:15:36	Yes
3	1.238	1.238	0.014	0.086	0.015	17:16:04	Yes
Mean:	1.235	1.235	0.014				
SD:	0.0025	0.0025	0.0000				
%RSD:	0.2019	0.2019	0.20				

Sequence No.: 22

Sample ID: 11012993-02 c

Analyst:

Autosampler Location: 31

Date Collected: 8/30/2010 17:16:06

Data Type: Original

Replicate Data: 11012993-02 c

Repl #	SampleConc ug/L	StdndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

1	0.0416	0.0416	0.001	0.015	0.002	17:16:53	Yes
2	0.0468	0.0468	0.001	0.016	0.002	17:17:23	Yes
3	0.0552	0.0552	0.001	0.017	0.003	17:17:51	Yes
Mean:	0.0479	0.0479	0.001				
SD:	0.0069	0.0069	0.0001				
%RSD:	14.31	14.31	9.95				

Sequence No.: 23

Sample ID: CCV

Analyst:

Autosampler Location: 10

Date Collected: 8/30/2010 17:17:53

Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.618	5.618	0.061	0.350	0.063	17:18:41	Yes
2	5.570	5.570	0.061	0.344	0.063	17:19:10	Yes
3	5.379	5.379	0.059	0.333	0.061	17:19:38	Yes
Mean:	5.522	5.522	0.060				
SD:	0.1262	0.1262	0.0014				
%RSD:	2.285	2.285	2.28				

QC value within limits for Hg 253.7 Recovery = 110.45%
 All analyte(s) passed QC.

ok

Sequence No.: 24

Sample ID: CCB

Analyst:

Autosampler Location: 11

Date Collected: 8/30/2010 17:19:40

Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0175	-0.0175	0.000	0.010	0.002	17:20:27	Yes
2	-0.0292	-0.0292	-0.000	0.009	0.002	17:20:56	Yes
3	-0.0354	-0.0354	-0.000	0.007	0.002	17:21:25	Yes
Mean:	-0.0274	-0.0274	-0.000				
SD:	0.0091	0.0091	0.0001				
%RSD:	33.33	33.33	143.95				

All analyte(s) passed QC.

Sequence No.: 25

Sample ID: 11012993-03 c

Analyst:

Autosampler Location: 32

Date Collected: 8/30/2010 17:21:26

Data Type: Original

Replicate Data: 11012993-03 c

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0103	0.0103	0.000	0.010	0.002	17:22:15	Yes
2	-0.0062	-0.0062	0.000	0.008	0.002	17:22:43	Yes
3	-0.0097	-0.0097	0.000	0.008	0.002	17:23:12	Yes
Mean:	-0.0019	-0.0019	0.000				
SD:	0.0107	0.0107	0.0001				
%RSD:	568.1	568.1	55.96				

Sequence No.: 26

Sample ID: 11012993-04 c

Analyst:

Autosampler Location: 33

Date Collected: 8/30/2010 17:23:13

Data Type: Original

Replicate Data: 11012993-04 c

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0633	-0.0633	-0.000	0.004	0.001	17:24:00	Yes
2	-0.0565	-0.0565	-0.000	0.005	0.001	17:24:29	Yes
3	-0.0574	-0.0574	-0.000	0.005	0.001	17:24:57	Yes
Mean:	-0.0591	-0.0591	-0.000				
SD:	0.0037	0.0037	0.0000				

%RSD: 6.286 6.286 9.76

Sequence No.: 27

Sample ID: 11012993-05 c

Analyst:

Autosampler Location: 34

Date Collected: 8/30/2010 17:25:00

Data Type: Original

Replicate Data: 11012993-05 c

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.0357	0.0357	0.001	0.013	0.002	17:25:46	Yes
2	-0.0075	-0.0075	0.000	0.008	0.002	17:26:15	Yes
3	0.0236	0.0236	0.000	0.011	0.002	17:26:44	Yes
Mean:	0.0173	0.0173	0.000				
SD:	0.0223	0.0223	0.0002				
%RSD:	129.0	129.0	58.17				

Sequence No.: 28

Sample ID: 1012442.1

Analyst:

Autosampler Location: 35

Date Collected: 8/30/2010 17:26:45

Data Type: Original

Replicate Data: 1012442.1

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	17.56	17.56	0.192	1.095	0.193	17:27:33	Yes
2	17.55	17.55	0.191	1.085	0.193	17:28:02	Yes
3	17.54	17.54	0.191	1.083	0.193	17:28:31	Yes
Mean:	17.55	17.55	0.191				
SD:	0.0140	0.0140	0.0002				
%RSD:	0.0798	0.0798	0.08				

Sample concentration is greater than that of the highest standard.

Sample concentration is greater than that of the highest standard.

Sample concentration is greater than that of the highest standard.

Sample concentration is greater than that of the highest standard.

- confirmation
only -
Ream
@ 5x

Sequence No.: 29

Sample ID: CCV

Analyst:

Autosampler Location: 10

Date Collected: 8/30/2010 17:28:51

Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.450	5.450	0.060	0.339	0.061	17:29:40	Yes
2	5.320	5.320	0.058	0.331	0.060	17:30:09	Yes
3	5.422	5.422	0.059	0.333	0.061	17:30:37	Yes
Mean:	5.398	5.398	0.059				
SD:	0.0685	0.0685	0.0007				
%RSD:	1.269	1.269	1.26				

QC value within limits for Hg 253.7 Recovery = 107.95%

All analyte(s) passed QC.

Sequence No.: 30

Sample ID: CCB

Analyst:

Autosampler Location: 11

Date Collected: 8/30/2010 17:30:39

Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StdConc ug/L	BlkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0084	-0.0084	0.000	0.011	0.002	17:31:26	Yes
2	-0.0020	-0.0020	0.000	0.012	0.002	17:31:55	Yes
3	0.0045	0.0045	0.000	0.013	0.002	17:32:24	Yes
Mean:	-0.0020	-0.0020	0.000				
SD:	0.0064	0.0064	0.0001				
%RSD:	327.0	327.0	33.69				

All analyte(s) passed QC.

=====
Analysis BegunLogged In Analyst: Administrator
Spectrometer Model: FIMS-100, S/N B050-9550Technique: AA FIMS-MHS
Autosampler Model: AS-90

Sample Information File: C:\data-AA\Administrator\Sample Information\083010a.sif

Batch ID: ez

Results Data Set: Hg3083010a

Results Library: C:\data-AA\Administrator\Results\Results.mdb

=====
Sequence No.: 1

Sample ID: 1012442.1 5x

Analyst:

Autosampler Location: 36

Date Collected: 8/30/2010 17:35:44

Data Type: Original

Replicate Data: 1012442.1 5x

Repl #	SampleConc ug/L	StdConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	18.98	3.796	0.042	0.237	0.043	17:36:35	Yes
2	18.84	3.768	0.041	0.233	0.043	17:37:04	Yes
3	18.83	3.767	0.041	0.232	0.043	17:37:32	Yes
Mean:	18.89	3.777	0.041				
SD:	0.0826	0.0165	0.0002				
%RSD:	0.4376	0.4376	0.44				

=====
Sequence No.: 2

Sample ID: CCV

Analyst:

Autosampler Location: 10

Date Collected: 8/30/2010 17:37:53

Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StdConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.420	5.420	0.059	0.335	0.061	17:38:41	Yes
2	5.509	5.509	0.060	0.340	0.062	17:39:10	Yes
3	5.452	5.452	0.060	0.335	0.061	17:39:39	Yes
Mean:	5.460	5.460	0.060				
SD:	0.0452	0.0452	0.0005				
%RSD:	0.8269	0.8269	0.82				

QC value within limits for Hg 253.7 Recovery = 109.21%

All analyte(s) passed QC.

=====
Sequence No.: 3

Sample ID: CCB

Analyst:

Autosampler Location: 11

Date Collected: 8/30/2010 17:39:40

Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StdConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.0445	-0.0445	-0.000	0.006	0.001	17:40:28	Yes
2	-0.0314	-0.0314	-0.000	0.008	0.002	17:40:56	Yes
3	-0.0187	-0.0187	0.000	0.010	0.002	17:41:25	Yes
Mean:	-0.0315	-0.0315	-0.000				
SD:	0.0129	0.0129	0.0001				
%RSD:	41.00	41.00	123.09				

All analyte(s) passed QC.

MERCURY TRUE VALUE CRITERIA

ICV	3 ug/l
LCSW	1 ug/l
MS	1 ug/l
CCV	5 ug/l

Calculation of 7470A Mercury

Calculate Mercury concentration from the daily calibration curve. The curve is generated utilizing a straight-line equation defined as:

$$A = k_1 + k_2C$$

Where:

A = Average peak height of the sample/standard integrations

C = Sample/Standard Concentration, $\mu\text{g/L}$

k_1 = y-intercept

k_2 = slope

The instrument will plot peak height against concentration ($\mu\text{g/L}$). The result is generated in $\mu\text{g/L}$. This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = (\text{concentration, } \mu\text{g/L}) \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

Calculation of 7471A Mercury

Calculate Mercury concentration from the daily calibration curve. The curve is generated utilizing a straight-line equation defined as:

$$A = k_1 + k_2C$$

Where:

A = Average peak height of the sample/standard integrations

C = Sample/Standard Concentration, $\mu\text{g/L}$

k_1 = y-intercept

k_2 = slope

The instrument will plot peak height against concentration ($\mu\text{g/L}$). The result is generated in $\mu\text{g/L}$. This value is divided by 1000 to convert the units to mg/L . The mg/L units are converted to mg/Kg by multiplying by L/Kg . A dilution factor (DF) is applied if necessary. The Result is then divided by the % Total Solids prior to release to the client.

$$\text{Result, mg/Kg} = (\text{concentration, } \mu\text{g/L}) \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF}) \times (\text{L/Kg})$$

Where:

$$\text{L/Kg} = \frac{\text{Final volume of digestate, in L}}{\text{Weight of original sample, in Kg}}$$

Seq.	Loc.	Sample ID
1	1	Calib Blank
2	2	0.2 ppb
3	3	0.5 ppb
4	4	1.0 ppb
5	5	2.0 ppb
6	6	5.0 ppb
7	7	10.0 ppb
8	8	ICV
9	9	ICB
10	12	wg430108-1 wg430120
11	13	wg430108-2 wg430120
12	14	I1013235-01 u
13	15	wg430108-3 wg430120
14	16	wg430108-4 wg430120
15	17	wg430114-1 wg430120
16	18	wg430114-2 wg430120
17	19	filter blank
18	20	I1013153-01 r
19	21	I1013235-01 r
20	10	CCV
21	11	CCB

FIMS3 8/30/10

W0430720 any
pg 1084

Seq.	Loc.	Sample ID
1	1	Calib Blank
2	2	~~0.2 ppb~~
3	3	~~0.5 ppb~~
4	4	~~1.0 ppb~~
5	5	~~2.0 ppb~~
6	6	~~5.0 ppb~~
7	7	~~10.0 ppb~~
8	22	wg430114-3 wg430120
9	23	wg430114-4 wg430120
10	24	wg430113-1 wg430120
11	25	wg430113-2 wg430120
12	26	filter blank
13	27	I1013180-03 s
14	28	wg430113-3 wg430120
15	29	wg430113-4 wg430120
16	30	I1013180-04 s
17	31	I1012323-23 wg430120
18	10	CCV
19	11	CCB
20	32	wg430111-3 wg430120
21	33	wg430111-4 wg430120
22	34	wg430111-1 wg430120
23	35	wg430111-2 wg430120
24	36	I1012323-24 wg430120
25	37	I1012323-26 wg430120
26	38	I1012323-31 wg430120
27	39	I1012323-33 wg430120
28	40	wg430117-1 wg430120
29	41	wg430117-2 wg430120
30	10	CCV
31	11	CCB

FIMS3 8/30/10
 W6430120 ay
 pg 2084

Seq.	Loc.	Sample ID
1	1	~~Calib Blank~~
2	2	~~0.2 ppb~~
3	3	~~0.5 ppb~~
4	4	~~1.0 ppb~~
5	5	~~2.0 ppb~~
6	6	~~5.0 ppb~~
7	7	~~10.0 ppb~~
8	12	I1013180-01 t
9	13	I1013180-02 t
10	14	wg430117-3 wg430120
11	15	wg430117-4 wg430120
12	16	wg430109-1 wg430120
13	17	wg430109-2 wg430120
14	18	I1013017-01 t
15	19	wg430109-3 wg430120
16	20	wg430109-4 wg430120
17	21	wg430115-1 wg430120
18	10	CCV
19	11	CCB
20	22	wg430115-2 wg430120
21	23	I1013085-01 c
22	24	wg430115-3 wg430120
23	25	wg430115-4 wg430120
24	26	wg430116-1 wg430120
25	27	wg430116-2 wg430120
26	28	I1012993-01 c
27	29	wg430116-3 wg430120
28	30	wg430116-4 wg430120
29	31	I1012993-02 c
30	10	CCV
31	11	CCB
32	32	I1012993-03 c
33	33	I1012993-04 c
34	34	I1012993-05 c
35	35	1012442.1
36	10	CCV
37	11	CCB

FIMS3 8/30/10

WC430120 Cuy
Pg 3 of 4

Seq.	Loc.	Sample ID
1	1	~~Calib Blank~~
2	2	~~0.2 ppb~~
3	3	~~0.5 ppb~~
4	4	~~1.0 ppb~~
5	5	~~2.0 ppb~~
6	6	~~5.0 ppb~~
7	7	~~10.0 ppb~~
8	36	1012442.1 5x
9	10	CCV
10	11	CCB

FIMS3 8/30/10
W0430120 Gm
pg 4084

Analysis: Mercury Aqueous

 Time ON: 12:20 Time OFF: 14:20

 Prep Date: 8/30/10 Initials: CM

 Water Bath Temp (°C): 93°

 Analysis Date: 8/30/10 Initials: CM

HNO3 Lot#: <u>49225</u>	H2SO4 Lot#: <u>C190520A</u>	Hg Spike Lot#: <u>H0083010</u>	KMnO4 Lot#: <u>TB09AZEMS</u>	K2S2O8 Lot#: <u>H43851</u>	Clearing Solution Lot#: <u>C5083010</u>	LCS Lot# <u>LCS083010</u> ICV Lot#: <u>ICV083010</u>

Sample	Digestion							Clearing Solution (mL)	WG #	Comment
	Vol. (mL)	Spk Vol (mL)	Appearance (if not clear)	HNO3 (mL)	H2SO4 (mL)	KMnO4 (mL)	K2S2O8 (mL)			
0	25	0		0.625	1.25	3.75	2	1.5		FV= 200 mL
0.2		0.5								850 mL
0.5		↓								100
1		1								
2		2								
5		10								200
10		↓								100
ICV		11CV								↓
LCB		0								200
CCV		10								
CLB		0								
PBW		↓							430108	R423107
LCBW		11CS								H6-U
1013235.1			cloudy							
.1dp										
.1ms		250µL	↓							
PBW									430109	R423108
LCBW		11CS								H6-T 15
1013017.1			ben cloudy							
.1dp										
.1ms		250µL	↓							
PBW									430110	R423109
LCBW		11CS							430117	H6-T
1013180.1										
4.2				✓	✓	✓	✓	✓		

Analysis: Mercury Aqueous

Time ON: ____:____ Time OFF: ____:____

Prep Date: ____ Initials: ____

Water Bath Temp (°C): ____

Analysis Date: ____ Initials: ____

HNO3 Lot#:	H2SO4 Lot#:	Hg Spike Lot#:	KMnO4 Lot#:	K2S2O8 Lot#:	Clearing Solution Lot#:	LCS Lot#
						ICV Lot#:

Sample	Digestion							Clearing Solution (mL)	WG #	Comment
	Vol. (mL)	Spk Vol (mL)	Appearance (if not clear)	HNO3 (mL)	H2SO4 (mL)	KMnO4 (mL)	K2S2O8 (mL)			
.2dp	25			0.625	1.25	3.75	2	1.5	(430110)	
.2ms		250µl							(430117)	
PBW									430111	R423110
CCSW		1 LCS								DOD-24705
1012323.23										
.23ms		250µl								
.23msd		↓								
.24										
.26										
.31										
.33										
PBW									430113	R423111
CCSW		1 LCS								HG-S
FB										
1013180.3										
.3dp										
.3ms		250µl								
.4										
PBW									430114	R423112
CCSW		1 LCS								HG-R
FB										
1013235.1										
.1dp										
.1ms		250µl								
1013153.1	✓			✓	✓	✓	✓	✓		

Time ON: ____:____ Time OFF: ____:____

Water Bath Temp (°C):_____

Analysis Date: _____ **Initials:** _____

Sample	Digestion							Clearing Solution (mL)	WG #	Comment
	Vol. (mL)	Spk Vol (mL)	Appearance (if not clear)	HNO ₃ (mL)	H ₂ SO ₄ (mL)	KMnO ₄ (mL)	K ₂ S ₂ O ₈ (mL)			
PBC	5(5x)			0.025	1.25	3.75	2	1.5	430115	R423113
LCSC		1 CCS								H6-C 8/26 16:32 (5)
1013085.1										
.1dp										
.1ms		250 µl								
PBC									430116	R423114
LCSC		1 CCS								H6-C 8/27 17:20 (4)
1012993.1										
.1dp										
.1ms		250 µl								
.2										
.3										
.4										
.5										
1012442.1	25		less cloudy w/ spec							(not batched - conf. 2 matter only)

Wet Chemistry

Biochemical Oxygen Demand Analysis

Results

1X
WETCHEM ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Lab Sample ID: L1013017-01

Sample wt/vol: (g/mL)

Lab File ID: 29-AUG-10

Date Received: 08/23/10

% Solids: N/A

Date Extracted: 08/24/10

Date Analyzed: 08/29/10 17:00

Dilution Factor: 5

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/l		MDL	Q
		Result	RL		
NONE-----	BOD, 5 day_____	ND	10	NA	U

FORM I BOD-5210

1X
WETCHEM ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429290-1BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Lab Sample ID: WG429290-1

Sample wt/vol: (g/mL)

Lab File ID: 29-AUG-10

Date Received:

% Solids: N/A

Date Extracted: 08/24/10

Date Analyzed: 08/29/10 17:00

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/l		MDL	Q
		Result	RL		
NONE-----	BOD, 5 day_____	ND	2.0	NA	U

FORM I BOD-5210

Sample Raw Data

ALPHA ANALYTICAL LABS

LABORATORY NOTES

BOD

The Dilution Blank is higher than the acceptable range; however, this value is included within the value of the Polyseed, which is acceptable.

The batch(es) cannot be reset due to expired sample hold times.

Daily Bench Sheet

BOD Analyst

8/24/10 22:30 JT

8/29/10 17:00 (PA)

Sample Date: 08/24/2010
 Incubation Period: 08/24/2010 to 08/29/2010
 Notes:

Seed Correction (mg/l D.O. per ml seed): bod10 2ml seed (19621) 0.45 Seed Added To: Bottle

Sample Name	Bot #	Sample Vol (ml)	Dil %	Seed Vol (ml)	Init DO (mg/l)	Final DO (mg/l)	O2 Depl (mg/l)	Seed Factor (mg/l)	BOD (mg/l)	Final BOD (mg/l)	Notes
bod10 2ml dbk	9602	300.00	0.00	0.00	7.75	7.31	0.44	---			D
	058	300.00	0.00	0.00	7.82	7.49	0.33	---			D
	505	300.00	0.00	0.00	7.82	7.52	0.30	---			D
bod10 2ml seed	6738	4.00	1.33	0.00	7.87	6.05	1.82	---	<150.00	131.0	D
	511	5.00	1.67	0.00	7.85	5.78	2.07	---	124.20		
	8379	6.00	2.00	0.00	7.82	5.37	2.45	---	122.50		
	307	7.00	2.33	0.00	7.85	4.77	3.08	---	132.00		
	403	8.00	2.67	0.00	7.80	3.93	3.87	---	145.13		
bod10 2ml lcs (19621)	6554	3.00	1.00	2.00	7.85	4.69	3.16	0.87	228.60	215.2	
	6723	3.00	1.00	2.00	7.88	4.76	3.12	0.87	224.60		
	668	6.00	2.00	2.00	7.82	2.86	4.96	0.87	204.30		
	1121	6.00	2.00	2.00	7.83	2.89	4.94	0.87	203.30		
bod10 2ml mblk (19621)	192	30.00	10.00	2.00	7.88	7.02	0.86	0.87	<11.26		D
	576	60.00	20.00	2.00	7.93	6.99	0.94	0.87	<5.63		D
	4172	150.00	50.00	2.00	8.04	7.35	0.69	0.87	<2.25		D
12986-1 (19621)	6762	15.00	5.00	2.00	7.84	6.49	1.35	0.87	<22.52	4.6	D
	089	30.00	10.00	2.00	7.79	6.28	1.51	0.87	<11.26		D
	548	60.00	20.00	2.00	7.62	5.79	1.83	0.87	<5.63		D

Shaded tests do not meet criteria; Number in () next to sample name identifies the Seed Control

8/29/2010 5:46 pm

Daily Bench Sheet

Page 2

Sample Date: 08/24/2010

Sample Name	Bot #	Sample Vol (ml)	Dil %	Seed Vol (ml)	Init DO (mg/l)	Final DO (mg/l)	O2 Depl (mg/l)	Seed Factor (mg/l)	BOD (mg/l)	Final BOD (mg/l)	Notes
	2201	150.00	50.00	2.00	6.91	3.72	3.19	0.87	4.63		
12986-2 (19621)	514	15.00	5.00	2.00	7.81	6.44	1.37	0.87	<22.52	12.0	D
	9511	30.00	10.00	2.00	7.63	5.89	1.74	0.87	<11.26		D
	068	60.00	20.00	2.00	7.09	3.81	3.28	0.87	12.03		
	060	150.00	50.00	2.00	5.30	0.54U	4.30	0.87	>6.85		L
12986-3 (19621)	513	30.00	10.00	2.00	7.93	6.83	1.10	0.87	<11.26		D
	413	60.00	20.00	2.00	7.96	6.80	1.16	0.87	<5.63		D
	8335	150.00	50.00	2.00	8.18	6.58	1.60	0.87	<2.25		D
12986-3 sp100 (19621)	6708	3.00	1.00	2.00	7.84	5.82	2.02	0.87	114.60	104.7	
	8336	6.00	2.00	2.00	7.84	4.97	2.87	0.87	99.80		
	029	15.00	5.00	2.00	7.85	1.99	5.86	0.87	99.72		
	543	30.00	10.00	2.00	7.90	0.43U	6.90	0.87	>60.26		L
12986-4 (19621)	061	3.00	1.00	2.00	7.78	6.11	1.67	0.87	<112.60	15.6	D
	336	6.00	2.00	2.00	7.80	6.28	1.52	0.87	<56.30		D
	713	15.00	5.00	2.00	7.80	6.07	1.73	0.87	<22.52		D
	6511	30.00	10.00	2.00	7.73	5.27	2.46	0.87	15.86		
	331	60.00	20.00	2.00	7.52	3.58	3.94	0.87	15.33		
12986-5 (19621)	1320	6.00	2.00	2.00	7.83	6.77	1.06	0.87	<56.30	16.8	D
	3037	15.00	5.00	2.00	7.79	6.15	1.64	0.87	<22.52		D
	6538	30.00	10.00	2.00	7.76	5.31	2.45	0.87	15.76		
	50	60.00	20.00	2.00	7.58	3.12	4.46	0.87	17.93		
	7007	150.00	50.00	2.00	7.06	0.64U	6.06	0.87	>10.37		L
12986-6 (19621)	788	15.00	5.00	2.00	7.84	6.59	1.25	0.87	<22.52	2.7	D
	062	30.00	10.00	2.00	7.90	6.68	1.22	0.87	<11.26		D

Shaded tests do not meet criteria; Number in () next to sample name identifies the Seed Control

8/29/2010 5:46 pm

Daily Bench Sheet

Page 3

Sample Date: 08/24/2010

Sample Name	Bot #	Sample Vol (ml)	Dil %	Seed Vol (ml)	Init DO (mg/l)	Final DO (mg/l)	O2 Depl (mg/l)	Seed Factor (mg/l)	BOD (mg/l)	Final BOD (mg/l)	Notes
	544	60.00	20.00	2.00	7.90	6.60	1.30	0.87	<5.63		D
	8329	150.00	50.00	2.00	7.97	5.73	2.24	0.87	2.73		
12986-7 (19621)	577	6.00	2.00	2.00	7.86	6.62	1.24	0.87	<56.30	8.3	D
	6662	15.00	5.00	2.00	7.86	6.42	1.44	0.87	<22.52		D
	6690	30.00	10.00	2.00	7.81	6.31	1.50	0.87	<11.26		D
	392	60.00	20.00	2.00	7.78	5.02	2.76	0.87	9.43		
	575	150.00	50.00	2.00	7.65	3.20	4.45	0.87	7.15		
12986-8 (19621)	4915	30.00	10.00	2.00	7.79	6.14	1.65	0.87	<11.26	3.5	D
	707	60.00	20.00	2.00	7.69	6.00	1.69	0.87	<5.63		D
	102	150.00	50.00	2.00	7.34	4.71	2.63	0.87	3.51		
13017-1 (19621)	6753	1.50	0.50	2.00	7.82	6.47	1.35	0.87	<225.20		D
	9313	3.00	1.00	2.00	7.82	6.89	0.93	0.87	<112.60		D
	6755	6.00	2.00	2.00	7.86	6.79	1.07	0.87	<56.30		D
	317	15.00	5.00	2.00	7.80	6.88	0.92	0.87	<22.52		D
	503	30.00	10.00	2.00	7.82	6.51	1.31	0.87	<11.26		D
13067-5 2x (19621)	80	1.50	0.50	2.00	7.81	5.75	2.06	0.87	474.40	456.4	
	1884	3.00	1.00	2.00	7.85	4.62	3.23	0.87	471.20		
	6161	6.00	2.00	2.00	7.77	2.66	5.11	0.87	423.60		
	999	15.00	5.00	2.00	7.78	0.59U	6.78	0.87	>236.24		L
	7244	30.00	10.00	2.00	7.69	0.29U	6.69	0.87	>116.32		L
13067-5 2xdup (19621)	1149	1.50	0.50	2.00	7.77	5.69	2.08	0.87	482.40	470.1	
	9568	3.00	1.00	2.00	7.82	4.48	3.34	0.87	493.20		

8.3

m = 2

3.5

m = 2

0

m = 10

456

m = 100

470

m = 100

Shaded tests do not meet criteria; Number in () next to sample name identifies the Seed Control

8/29/2010 5:46 pm

Sample Date: 08/24/2010

Daily Bench Sheet

Page 4

Sample Name	Bot #	Sample Vol (ml)	Dil %	Seed Vol (ml)	Init DO (mg/l)	Final DO (mg/l)	O2 Depl (mg/l)	Seed Factor (mg/l)	BOD (mg/l)	Final BOD (mg/l)	Notes
	722	6.00	2.00	2.00	7.84	2.62	5.22	0.87	434.60		
	344	15.00	5.00	2.00	7.77	0.48U	6.77	0.87	>235.84		L
	9608	30.00	10.00	2.00	7.68	0.32U	6.68	0.87	>116.12		L

Technician: JT

Marking Explanations

D Insufficient Depletion
L Final D.O. to low
U Unstable reading

Quality Control

4A

WG429290-1BLANK

Instrument ID: NONE

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

[illegible]

COMMENTS: _____

page 1 of 1

FORM IV BOD-5210

3A
LAB DUPLICATE
WATER WETCHEM

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Laboratory Duplicate - Client Sample No.: FINAL COMPOSITE (WG429290-3)

COMPOUND	SAMPLE CONCENTRATION (mg/l)	DUP CONCENTRATION (mg/l)	DUP % RPD	DUP RPD LIMIT
BOD, 5 day	460	470	2	35

* Values outside of QC limits.

COMMENTS: _____

FORM III BOD-5210

3A
LAB CONTROL SAMPLE RECOVERY
WATER WETCHEM

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample - Client Sample No.: WG429290-2LCS

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC	QC. LIMITS REC.
BOD, 5 day	198	NA	220	108	85-115

* Values outside of QC limits.

COMMENTS: _____

FORM III BOD-5210

3A
MATRIX SPIKE RECOVERY
WATER WETCHEM

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Matrix Spike - Client Sample No.: SD-4 (WG429290-4)

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	SPIKE CONCENTRATION (mg/l)	SPIK % REC	QC. LIMITS REC.
BOD, 5 day	100	ND	110	105	50-145

* Values outside of QC limits.

COMMENTS: _____

FORM III BOD-5210

ALPHA ANALYTICAL, INC.
METHOD DETECTION LIMIT STUDY
BIOLOGICAL OXYGEN DEMAND

To calculate the MDL for a BOD sample, the smallest valid dilution in a dilution series is used. This dilution is a percentage of 300 mls (a BOD bottle holds 300 mls).

1.0 mg/L is the smallest amount of dissolved oxygen depletion, corrected for blank and seed, allowable. Therefore, the MDL becomes:

$$\frac{1.0 \text{ mg/L}}{\text{Percentage as a decimal}}$$

Example: The smallest dilution for a sample that gives a valid result (corrected depletion greater than or equal to 1.0 mg/L) is 50%.

$$\text{BOD MDL} = \frac{1.0}{0.50} = 2 \text{ mg/L}$$

3/10/2009
Westborough, MA

Technical Director: 

BOD calculation

The BOD Analyst Software will calculate the BOD results. However, the following is an explanation of the manual calculation should it be necessary:

$$\text{BOD}_5, \text{ mg O}_2 / \text{L} = \frac{[(D_1 - D_2) - f]}{P}$$

Where:

- D_1 = DO of diluted sample immediately after preparation, mg/L,
- D_2 = DO of diluted sample after 5-day incubation at 20°C, mg/L,
- P = decimal volumetric fraction of sample used,
- f = Average DO depletion for 2mL of seed.

Sample Preparation

Tues 8/24/10

Sample	pH	U	lod abs	lod result	Bad Settings
Bad-5210					
12986.1	7	—	.022	45	15, 30, 60, 150
.2		↓	.025	52	↓
.3		↓	.004	5	30, 60, 150 spin
.4		↓	.167	370	3, 6, 15, 30, 60
.5		pink-u pink-pm	.077	168	6, 15, 30, 60, 150
.6		—	.013	25	15, 30, 60, 150
.7		↓	.036	76	6, 15, 30, 60, 150
.8		↓	.010	18	30, 60, 150
13017.1			175	388	1.5, 3, 6, 15, 30
13067.5	7	↓	208(2x)	461	↓ dup

NS Tank C

200 ul Seed in @ 22:30

Inl A @ 23:30

Out 8/24/10 17:00 (70)

Continued on Page

Sample
Bad-5210
13032.1
.2
13048.1
13052.1
13064.1
.2
13090.1
.2
.3
.4
.5
.6
.7
.8
13117.1
.2
.3
.4
.5
.6
.7
.8
13133.1
13134.1
13141.1

NS Tank
100 ul
Inl C

Read and Understood By

Signed

Date

Signed

Date

Chemical Oxygen Demand Analysis

Results

1X
WETCHEM ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Lab Sample ID: L1013017-01

Sample wt/vol: (g/mL)

Lab File ID: 24-AUG-10

Date Received: 08/23/10

% Solids: N/A

Date Extracted:

Date Analyzed: 08/24/10 15:17

Dilution Factor: 2

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/l		MDL	Q
		Result	RL		
	COD-----Chemical Oxygen Demand_____	280	40	--	

FORM I COD-410

1X
WETCHEM ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429174-1BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Lab Sample ID: WG429174-1

Sample wt/vol: (g/mL)

Lab File ID: 24-AUG-10

Date Received:

% Solids: N/A

Date Extracted:

Date Analyzed: 08/24/10 15:12

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/l		MDL	Q
		Result	RL		
COD-----	Chemical Oxygen Demand____	ND	20	--	U

FORM I COD-410

Sample Raw Data

ALPHA ANALYTICAL
WET CHEMISTRY DEPARTMENT
CHEMICAL OXYGEN DEMAND

Last Change 8/20/10 GFF

File COD-L_rev2.xlt

SOP No.: 07-16

Product: COD-410

Curve Calibration Date :8/18/2010

Analysis: COD

Curve Identifier: 081810 (env exp tubes only)

Method: EPA 410.4

Analyte: Chemical Oxygen Demand,

Instrument: GENSYS10vis

Prep Date/Time: 8/24/10 11:20 8/24/10 15:56

Wavelength: 620 nm (High)

Technician: sd

Spike Volume(ml):0.1

Work group: WG429174

Spike Concentration(mg/l):5000

RDL: 20 mg/l

Standard	Mean signal	Dilution	Calibration Curve		Reagents/Media Information	
	(pk area)		Volume: 2.0 mls		Material	Lot No.
ppm	abs		Slope	y-intercept		
0	0.003	1.0	0.000420	0.002954	High LCS/ICV:	081810
20	0.011	1.0				
50	0.025	1.0				
100	0.045	1.0	Correlation Coefficient	0.999960	Low LCS:	081810
200	0.084	1.0				
400	0.174	1.0				
800	0.338	1.0				
1250	0.528	1.0			CCV:	081810
					MS:	060110
					COD Tubes:	WC-852

		Sample				FINAL			
Time	Date	Sample number	Volume (ml)	Range (Hi or Low)	Absorbance	RESULT (mg/l)	Dilution Factor	RESULT (mg/l)	Recovery
3:12pm	8/24/2010	Blank	2	High	0.006	7.3	1	7.28	%
3:13pm	8/24/2010	50 ppm	2	High	0.024	50.1	1	50.13	100
3:15pm	8/24/2010	500 ppm	2	High	0.222	521.5	1	521.54	104
3:15pm	8/24/2010	200PPM ICV	2	high	0.088		1		
3:16pm	8/24/2010	L1012827-01	2	High	0.243	571.5	2	1143.07	
3:16pm	8/24/2010	L1012990-01	2	High	0.036	78.7	1	78.70	
3:17pm	8/24/2010	L1012990-02	2	High	0.036	78.7	1	78.70	
3:18pm	8/24/2010	L1013000-01	2	High	0.229	538.2	2	1076.41	
3:18pm	8/24/2010	L1013015-01	2	High	0.008	12.0	1	12.04	
3:18pm	8/24/2010	L1013015-02	2	High	0.020	40.6	1	40.61	
3:18pm	8/24/2010	L1013015-03	2	High	0.023	47.8	1	47.75	
3:19pm	8/24/2010	L1013015-04	2	High	0.015	28.7	1	28.71	
3:17pm	8/24/2010	L1013017-01	2	High	0.063	143.0	2	285.97	
3:56pm	8/24/2010	CCV 200	2	High	0.084	193.0	1	192.98	
3:54pm	8/24/2010	CCB	2	High	-0.002	-11.8	1	0.00	
			2	High			1		
			2	High			1		
			2	High			1		
			2	High			1		
			2	High			1		
			2	High			1		
			2	High			1		
			2	High			1		
3:12pm	8/24/2010	WG429174-1	2	High	0.006	7.3	1	7.28	
3:19pm	8/24/2010	WG429174-4	2	High	0.014	26.3	1	26.33	L1013015-04
		Sample number	sample volume	Sample Result mg/l	Absorbance	Dilution Factor	spike conc. mg/l	Spike Result mg/l	Recovery %
3:20pm	8/24/2010	WG429174-3	2.1	28.710	0.130	1	238.1	303	115
3:15pm	8/24/2010	WG429174-2	2	0.222			500	522	104

COMMENTS & OBSERVATIONS									SAMPLE RESULTS
									Blank
									50 ppm
									500 ppm
									L1012827-01
									L1012990-01
									L1012990-02
									L1013000-01
									L1013015-01
									L1013015-02
									L1013015-03
									L1013015-04
									L1013017-01
									CCV 200
									CCB
									0
									0
									0
									0
									0
									0
									0
									0
									0
BLANK									WG429174-1
DUP									WG429174-4
L1013015-04									WG429174-3
LCS									WG429174-2

Quality Control

SAMPLE NO.

WG429174-1BLANK

Lab Name: Alpha Analytical Labs

SDG No. : L1013017

Lab File ID:

Lab Sample ID: WG429174-1

Date Analyzed: 08/24/10

Time Analyzed: 15:12

Instrument ID: NONE

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

[illegible]

COMMENTS: _____

3A
LAB DUPLICATE
WATER WETCHEM

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Laboratory Duplicate - Client Sample No.: SWPPP-7 (WG429174-4)

COMPOUND	SAMPLE CONCENTRATION (mg/l)	DUP CONCENTRATION (mg/l)	DUP % RPD	DUP RPD LIMIT
Chemical Oxygen Demand	29.	26.	11	20

* Values outside of QC limits.

COMMENTS: _____

FORM III COD-410

3A
LAB CONTROL SAMPLE RECOVERY
WATER WETCHEM

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample - Client Sample No.: WG429174-2LCS

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
Chemical Oxygen Demand	500	NA	520	104	95-105

* Values outside of QC limits.

COMMENTS: _____

FORM III COD-410

3A
MATRIX SPIKE RECOVERY
WATER WETCHEM

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Matrix Spike - Client Sample No.: SWPPP-7 (WG429174-3)

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	SPIKE CONCENTRATION (mg/l)	SPIK % REC	QC. LIMITS REC.
Chemical Oxygen Demand	238	29.	300	115	80-120

* Values outside of QC limits.

COMMENTS: _____

FORM III COD-410

Determination of Method Detection Limits

Alpha Analytical Inc.
Westborough, MA

Method: EPA 410.4 / SM 5220D 2009

Spectrophotometer Chemical Oxygen Demand-High Liquid

Approved

Page 1 of 1
Analyst: DW
Instrument ID: Gensys10Vis
Date: 2/12-13, 2/16/2009

Table (MDL)		Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	mdl08	mdl09	T value used for calculating MDL: 2.896			
No	Analytes	Date Analy.	Rep-1	Rep-2	Rep-3	Rep-4	Rep-5	Rep-6	Rep-7	Rep-8	Rep-9	Mean	Standard	Calc.MDL	Current RL
1	COD	Target	Conc. (mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	Accuracy	Deviation	(mg/L)	(mg/L)
1		25.00	27.80	27.80	25.50	27.80	27.80	27.80	25.50	25.50	25.50	107%	1.21	3.51	20.00
2															
3															

Comments:

Calculations of COD

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve.

$$\text{COD as mg O}_2\text{/L} = \frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \times \text{Dilution factor}$$

Total Dissolved Solids Analysis

Results

1X
WETCHEM ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Lab Sample ID: L1013017-01

Sample wt/vol: (g/mL)

Lab File ID: 25-AUG-10

Date Received: 08/23/10

% Solids: N/A

Date Extracted:

Date Analyzed: 08/25/10 15:30

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/l		MDL	Q
		Result	RL		
NONE-----	Solids, Total Dissolved____	710	10	--	

FORM I TDS-2540

1X
WETCHEM ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429374-1BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Lab Sample ID: WG429374-1

Sample wt/vol: (g/mL)

Lab File ID: 25-AUG-10

Date Received:

% Solids: N/A

Date Extracted:

Date Analyzed: 08/25/10 15:30

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/l		MDL	Q
		Result	RL		
NONE-----	Solids, Total Dissolved	ND	10	--	U

FORM I TDS-2540

Sample Raw Data

ALPHA ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
TOTAL DISSOLVED SOLIDS

Last Change 08/01/06 GFF
File tds.xlt

Sample Number: _____

Product: TDS-2540

Client: _____

Analyte: Solids, Total Dissolved

Analysis Date: 8/25/2010 15:30

Technician: sd

Analysis: T D S

Work group: wg429374

Method: SM 2540C

MDL: 10 mg/l

		180 degrees C					MDL Multiplier	RESULT mg/l	%Recovery
Sample Number	Symbol	Tare Weight (gm)	Sample volume (ml)	Gross Weight(1) (gm)	Gross Weight(2) (gm)	Gross Weight(3) (gm)			
Blank	PO	80.4474	100	80.4464	80.4476			0	
500 ppm	V	78.4498	50	78.4731	78.4738			466	93
DUP WG429374-3	GD	81.6665	100	81.671	81.6709			44	L1013090-05
L1012901-01	PQ	81.4141	100	81.846	81.8465			4319	
L1013017-01	AS	75.2466	100	75.32	75.3179			713	
L1013021-01	12W	73.0491	100	73.0789	73.0796			298	
L1013021-02	5	112.5121	100	112.523	112.524			109	
L1013090-01	A7	81.0764	100	81.0821	81.0823			57	
L1013090-02	RJ	68.3403	100	68.344	68.344			37	
L1013090-03	A	89.5343	100	89.5479	89.5485			136	
L1013090-04	EE	78.6193	100	78.6289	78.6292			96	
L1013090-05	SV	78.6896	100	78.6942	78.6938			42	
L1013090-06	BA	73.0063	100	73.0128	73.0126			63	
L1013090-07	XB	84.4098	100	84.4236	84.423			132	
L1013114-01	ZO	75.3838	100	75.5947	75.5953			2109	
L1013114-02	3A	78.953	100	79.0406	79.0409			876	
BLANK WG429374-1	PO	80.4474	100	80.4464	80.4476			0	
								lcs ppm	RESULT
LCS WG429374-2	V	78.4498	50	78.4731	78.4738			500	466
									% Rec
									93

Quality Control

SAMPLE NO.

Lab Name: Alpha Analytical Labs

SDG No. : L1013017

Lab File ID:

Lab Sample ID: WG429374-1

Date Analyzed: 08/25/10

Time Analyzed: 15:30

Instrument ID: NONE

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

[illegible]

COMMENTS: _____

3A
LAB DUPLICATE
WATER WETCHEM

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Laboratory Duplicate - Client Sample No.: MW-102B (WG429374-3)

COMPOUND	SAMPLE CONCENTRATION (mg/l)	DUP CONCENTRATION (mg/l)	DUP % RPD	DUP RPD LIMIT
Solids, Total Dissolved	42	44.	5	11

* Values outside of QC limits.

COMMENTS: _____

FORM III TDS-2540

3A
LAB CONTROL SAMPLE RECOVERY
WATER WETCHEM

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample - Client Sample No.: WG429374-2LCS

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC	QC. LIMITS REC.
=====	=====	=====	=====	=====	=====
Solids, Total Dissolved	500	NA	470	93	72-121

* Values outside of QC limits.

COMMENTS: _____

FORM III TDS-2540

Approved

Tech:	DW
Date:	2/12-13, 2/16/2009
Instrument ID:	Muffle Furnace

2009

Liquid

Comments:

ପୃଷ୍ଠା ୧

Technical Director. *C. J. [Signature]*

TDS calculation

$$\text{mg TDS/L} = \frac{(A - B) \times 1000}{\text{sample volume, (L)}}$$

Where:

A = Final weight (weight of dish + dried residue, g)

B = Initial weight (weight of clean dish, g)

Sample Preparation

TDS -2540		8/25/10 @ 15:30			
WG 429374		Filters: Fall		Lot T00739	
Sample	dish ID	volume (mls)			
BLK	PO	100	in @	16:10	79.0°
LCS	V	50	out @	8:26 8:25	79.2°
13090.5dp	GD	100	in @	8:25	~176°
12091.1	PQ	100	out @	10:40	177°
13017.1	AS	100	in @	12:00	181°
13021.1	12W	100	out @	14:05	179°
.2	5	100			
13090.1	A7	100			
.2	RJ	100			
.3	A	100			
.4	EE	100			
.5	SU	100			
.6	BA	100			
.7	XB	100			
13114.1	ZO	100			
.2	3A	100			

Continued on Page

Continued on Page

Read and Understood By

Signed

Date

Signed

Page 2007 of 2052

Total Suspended Solids Analysis

Results

1X
WETCHEM ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Lab Sample ID: L1013017-01

Sample wt/vol: (g/mL)

Lab File ID: 25-AUG-10

Date Received: 08/23/10

% Solids: N/A

Date Extracted:

Date Analyzed: 08/25/10 11:30

Dilution Factor: 5

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/l		MDL	Q
		Result	RL		
NONE-----	Solids, Total Suspended____	720	25	NA	

FORM I TSS-2540

1X
WETCHEM ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429375-1BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Lab Sample ID: WG429375-1

Sample wt/vol: (g/mL)

Lab File ID: 25-AUG-10

Date Received:

% Solids: N/A

Date Extracted:

Date Analyzed: 08/25/10 11:30

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/l		MDL	Q
		Result	RL		
NONE-----	Solids, Total Suspended____	ND	5.0	NA	U

FORM I TSS-2540

Sample Raw Data

ALPHA ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
TOTAL SUSPENDED SOLIDS

Last Change 05/14/01 GFF
File tss.xlt

Sample Number: _____

Product: TSS-2540

Client: _____

Analyte: Solids, Total Suspended

Analysis Date: 8/25/2010 11:30

Technician: sd

Analysis: T S S

Work group: wg429375

Method: SM 2540D

MDL: 5.0 mg/l

				105 Degrees C		MDL MULT.	RESULT mg/l	
Sample Number	Symbol	Tare Weight (gm)	Sample Volume (ml)	Net Weight(1) (gm)	Net Weight(2) (gm)			
BLANK	WG429375-1	52	0.4292	1000	0.429	0.4292	0.0	
DUP	WG429375-2	13	0.4283	220	0.5909	0.5903	5	L1013017-01
	L1012986-01	54	0.4285	1040	0.4622	0.4622	32.4	
	L1012986-02	55	0.4284	1030	0.4534	0.4536	24.3	
	L1012986-03	56	0.4239	1030	0.4277	0.4282	3.7	
	L1012986-04	57	0.4253	100	1.0996	1.0992	10	
	L1012986-05	58	0.4251	200	0.577	0.5769	5	
	L1012986-06	59	0.4292	960	0.5316	0.5315	106.6	
	L1012986-07	60	0.4261	750	0.4866	0.4866	80.7	
	L1012986-08	1	0.426	1040	0.4328	0.4321	5.9	
	L1012990-01	2	0.4291	1000	0.4443	0.444	14.9	
	L1012990-02	3	0.4255	1000	0.4366	0.4362	10.7	
	L1012999-01	4	0.4306	850	0.4413	0.4414	12.6	
	L1013009-01	53	0.4221	1030	0.435	0.4351	12.5	
	L1013017-01	5	0.4282	220	0.5863	0.5861	5	
	L1013032-01	8	0.4288	940	0.4295	0.4296	0.7	
	L1013032-02	12	0.4267	190	0.5093	0.5088	5	
	L1013094-01	10	0.4266	510	0.444	0.4448	2	
	L1013094-02	11	0.4248	510	0.4361	0.4365	2	
	L1013102-01	6	0.4276	970	0.4327	0.4328	5.3	
	L1013103-01	7	0.4269	1010	0.4264	0.4266	0.0	

Quality Control

SAMPLE NO.

Lab Name: Alpha Analytical Labs

SDG No. : L1013017

Lab File ID:

Lab Sample ID: WG429375-1

Date Analyzed: 08/25/10

Time Analyzed: 11:30

Instrument ID: NONE

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

[illegible]

COMMENTS: _____

3A
LAB DUPLICATE
WATER WETCHEM

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Laboratory Duplicate - Client Sample No.: WC-001 PZ-B (WG429375-2)

COMPOUND	SAMPLE CONCENTRATION (mg/l)	DUP CONCENTRATION (mg/l)	DUP % RPD	DUP RPD LIMIT
Solids, Total Suspended	720	740	3	32

* Values outside of QC limits.

COMMENTS: _____

FORM III TSS-2540

ALPHA ANALYTICAL, INC.

METHOD DETECTION LIMIT STUDY
TOTAL SUSPENDED SOLIDS

Method Detection Limit is determined by calculation based on the following criteria:

1. Scale Precision ± 0.0002 g
2. Two weights required by protocol
Precision = 2×0.0002 g = ± 0.0004 g
Therefore accept 0.0005 g as maximum experimental error
3. Normal sample volume of 1000 ml. (It can be greater if lower method detection limit is required by client.)

Calculate Method Detection Limit using standard Total Suspended Solid equation.

$$\begin{aligned}\text{TSS (MDL) mg/L} &= \frac{\text{Experimental error (g)}}{\text{Sample Volume (L)}} \times 1000 \times 10 \text{ (max contribution of error)} \\ &= \frac{0.0005\text{g}}{1.0 \text{ L}} \times 1000 \text{ mg/g} \times 10 \\ &= 5 \text{ mg/L}\end{aligned}$$

3/10/2009
Westborough, MA

Technical Director: 

TSS calculation

$$\text{mg TSS / L} = \frac{(\mathbf{A} - \mathbf{B}) \times 1000}{\text{sample volume, (L)}}$$

where:

A = Final weight (weight of filter + dried residue, g)

B = Initial weight (weight of clean filter, g)

Sample Preparation

Hexavalent Chromium Analysis

Results

1X
WETCHEM ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Lab Sample ID: L1013017-01

Sample wt/vol: (g/mL)

Lab File ID: 24-AUG-10

Date Received: 08/23/10

% Solids: N/A

Date Extracted: 08/24/10

Date Analyzed: 08/24/10 01:30

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/l		MDL	Q
		Result	RL		
18540-29-9-----	Chromium, Hexavalent_____	ND	0.010	--	U

FORM I HEXCR-7196

1X
WETCHEM ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429055-1BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Lab Sample ID: WG429055-1

Sample wt/vol: (g/mL)

Lab File ID: 24-AUG-10

Date Received:

% Solids: N/A

Date Extracted:08/24/10

Date Analyzed: 08/24/10 01:30

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/l		MDL	Q
		Result	RL		
18540-29-9-----	Chromium, Hexavalent_____	ND	0.010	--	U

FORM I HEXCR-7196

Sample Raw Data

Last Change 2/10/10 gff
File Hexcr-L_LOW.xlt

Product: HEXCR-7196

Client:

Curve Identifier: 020910a

Analysis: Hexavalent Chromium

Analyte: Chromium, Hexavalent

Method: EPA 7196A

Preparation Date: 08/24/10 1:30

Instrument: Spectronic 5520-D

Analysis Date: 08/24/10 1:30

Wavelength: 540 nm

Technician: it

Spike Volume(ml): 1

Work group: wq429055

Spike Concentration (mg/l): 5

MDL: 0.01 mg/l

Sample number	Sample Volume (ml)	Final Volume (ml)	Absorbance	RESULT (mg/l)	Dilution Factor	MDL Multiplier	FINAL RESULT (mg/l)	Recovery
BLANK	50	50	0.000	0.000	1	1.0	0.000	103%
ICV/LCS	50	50	0.332	0.205	1	1.0	0.205	
L1013017-01	50	50	0.000	0.000	1	1.0	0.000	L1013017-01
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
	50	50			1	1.0		
WG429055-1	50	50	0.000	0.000	1	1.0	0.000	
WG429055-3	50	50	0.000	0.000	1	1.0	0.000	
Sample number	sample volume	Final volume (ml)	Absorbance	Sample Result mg/l	Dilution Factor	Spike conc. mg/l	Spike Result mg/l	Recovery %
WG429055-4	50	50	0.154	0.000	1	0.1000	0.095	95
WG429055-2	50	50	0.332		1	0.2000	0.205	103

Quality Control

SAMPLE NO.

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Lab File ID:

Lab Sample ID: WG429055-1

Date Analyzed: 08/24/10

Time Analyzed: 01:30

Instrument ID: NONE

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

[illegible]

COMMENTS: _____

3A
LAB DUPLICATE
WATER WETCHEM

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Laboratory Duplicate - Client Sample No.: WC-001 PZ-B (WG429055-3)

COMPOUND	SAMPLE CONCENTRATION (mg/l)	DUP CONCENTRATION (mg/l)	DUP % RPD	DUP RPD LIMIT
Chromium, Hexavalent	ND	ND	NC	20

* Values outside of QC limits.

COMMENTS: _____

FORM III HEXCR-7196

3A
LAB CONTROL SAMPLE RECOVERY
WATER WETCHEM

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample - Client Sample No.: WG429055-2LCS

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC	QC. LIMITS REC.
Chromium, Hexavalent	.2	NA	0.205	102	85-115

* Values outside of QC limits.

COMMENTS: _____

FORM III HEXCR-7196

3A
MATRIX SPIKE RECOVERY
WATER WETCHEM

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Matrix Spike - Client Sample No.: WC-001 PZ-B (WG429055-4)

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	SPIKE CONCENTRATION (mg/l)	SPIK % REC	QC. LIMITS REC.
Chromium, Hexavalent	.1	ND	0.095	95	85-115

* Values outside of QC limits.

COMMENTS: _____

FORM III HEXCR-7196

Determination of Method Detection Limits

Alpha Analytical Inc.

Westborough, MA

Approved

Page 1 of 1
Tech: NM, AT
Date: 1/6, 1/13-14, 1/16, 3/13/2009
Instrument ID: Spec Genesis 10 v/s

Method: STM 3500-CR-D / EPA 7196A

2009

Spectrophotometer

Hexavalent Chromium

Liquid-low leve

Table (MDL)		Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	mdl08	mdl09	mdl10	mdl11	mdl12	mdl13	T value used for calculating MDL: 2.581					
No.	Analytes	Target Conc. (mg/L)	Rep-1 (mg/L)	Rep-2 (mg/L)	Rep-3 (mg/L)	Rep-4 (mg/L)	Rep-5 (mg/L)	Rep-6 (mg/L)	Rep-7 (mg/L)	Rep-8 (mg/L)	Rep-9 (mg/L)	Rep-10 (mg/L)	Rep-11 (mg/L)	Rep-12 (mg/L)	Rep-13 (mg/L)	Mean (mg/L)	Mean Accuracy	Standard Deviation	Calc.MDL (mg/L)	Current RL (mg/L)	Comment
1	Hexavalent Chromium	0.0100	0.0080	0.0080	0.0080	0.0090	0.0070	0.0070	0.0090	0.0090	0.0090	0.0100	0.0094	0.0114	0.0108	0.0089	89%	0.0013	0.0035	0.0100	
2																					
3																					

Comments:

Determination of Method Detection Limits

Alpha Analytical Inc.
Westborough, MA

Approved

Page 1 of 1
Tech: JT
Instrument ID: Spec Genesys 10 vis
Date: 1/15, 1/20, 1/27/2009

Method: STM 3500-CR-D / EPA 7196A 2009

Spectrophotometer Hexavalent Chromium Soil

Table (MDL)		Data File	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	T value used for calculating MDL: 3.143					
No.	Analytes	Date Analy. Target Conc. (mg/L)	Rep-1 (mg/L)	Rep-2 (mg/L)	Rep-3 (mg/L)	Rep-4 (mg/L)	Rep-5 (mg/L)	Rep-6 (mg/L)	Rep-7 (mg/L)	Mean (mg/L)	Mean Accuracy	Standard Deviation	Calc.MDL (mg/L)	Current RL (mg/L)	Comment
1	Hexavalent Chromium	0.8000	0.69000	0.74300	0.69000	0.69000	0.63500	0.73800	0.79300	0.711	89%	0.0510	0.160	0.800	
2															
3															

Comments:

Calculation of Hexavalent Chromium

Aqueous samples:

$$\text{mg Cr}^{+6}/\text{L} = \left[\frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \right] \times \text{dilution}$$

Solid samples:

$$\text{mg Cr}^{+6}/\text{Kg} = \left[\frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \right] \times \left[\frac{\text{dilution} \times 0.1\text{L (final volume)}}{\text{weight (Kg) of sample}} \right]$$

Sample Preparation

Continued from 92			abs	
12829-8	50ml	1x	0.000	
ECV	1	1	0.534	
CCB	1	1	0.000	
Sample	Vol (mls)	Dil	Abs	
Blk/ICB	50	1x	.000	8/24/10
LCS/ICV (wg 843)			.332	C 1:30
13009.4			.003	
.10			.003	
.18p (wg 752)			.168	pH adjusted
13017.1			.000	
.10			.000	
.18p (wg 752)			.154	
CCV			.333	
CCB			.001	
Blank/ICB	50	1x	0.000	SB
LCS/ICV			0.334	8/24/10
13068-2			0.000	21:00
-2d			0.000	
-2s			0.156	WG429262
CCV			0.333	
CCB			0.000	
Blk/ICB	50	1+	0.000	
CCV/ICV			~~0.207~~ 0.335	(H) 8/20/10
12805.3			0.000	(2330
.51p			0.000	
.3-pm			0.138	
.50			0.000	
.6			0.000	
.9			0.000	
.12			0.000	
(H) transfer from 8/20/10 - date is corrected				

Continued on Page

Read and Understood By

Signed

Date

Signed

Page 203068 2052

**Oil & Grease
by
Method 1664
Analysis**

Results

1X
WETCHEM ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WC-001 PZ-B

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Lab Sample ID: L1013017-01

Sample wt/vol: (g/mL)

Lab File ID: 25-AUG-10

Date Received: 08/23/10

% Solids: N/A

Date Extracted: 08/24/10

Date Analyzed: 08/25/10 19:30

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/l		MDL	Q
		Result	RL		
NONE-----	Oil & Grease, Hem-Grav____	5.6	4.0	--	

FORM I OG-1664

1X
WETCHEM ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

WG429246-2BLANK

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: (soil/water) WATER

Lab Sample ID: WG429246-2

Sample wt/vol: (g/mL)

Lab File ID: 25-AUG-10

Date Received:

% Solids: N/A

Date Extracted: 08/24/10

Date Analyzed: 08/25/10 19:30

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/l		MDL	Q
		Result	RL		
NONE-----	Oil & Grease, Hem-Grav____	ND	4.0	--	U

FORM I OG-1664

Sample Raw Data

ALPHA ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
OIL & GREASE - GRAVIMETRIC

Last Change 6/6/08 GFF
File OG_GRAV_L.xlt

Sample Number: _____

Client: _____

Analysis: Oil & Grease - HEXANE

Method: EPA 1664

Spike Conc. (mg/l): 8000

Spike Vol. (ml): 5

Lcs Conc. (mg/l): 4000

Lcs Vol. (ml): 10

Product: OG-1664

Analyte: Oil & Grease, Hem-Grav

Analysis Date: 8/25/2010 19:30

Technician: JO

Work group: WG429246

MDL: 4.0 mg/l

pH: <2

Preparation Date: 8/24/2010 19:00

Vol. (ml): 10		Sample Volume (ml)	Symbol	Tare Weight (gm)	Gross Weight (gm)	MDL Multiplier	RESULT mg/l		
Sample Number									
BLANK		1000	A	6.4581	6.4588	1.0	0.70	Recovery	
LCS		1000	B	6.4601	6.4968	1.0	36.70	92%	
L1012821-02		990	C	6.4626	6.4658	1.0	3.23		
L1012822-02		980	D	6.444	6.4446	1.0	0.61		
L1012824-02		980	F	6.4406	6.4409	1.0	0.31		
L1012826-02		950	H	6.4686	6.5031	1.1	36.32		
L1012826-04		960	I	6.4451	6.4461	1.0	1.04		
L1012866-01		970	J	6.4424	6.5106	1.0	70.31		
L1012887-01		920	K	6.4697	6.4701	1.1	0.43		
L1012900-03		960	L	6.4409	6.4427	1.0	1.88		
L1012901-01		980	M	6.4538	6.4544	1.0	0.61		
L1012904-02		930	N	6.4687	6.4697	1.1	1.08		
L1012907-02		890	O	6.444	6.4875	1.1	48.88		
L1012924-01		960	P	6.4735	6.5054	1.0	33.23		
L1012925-02		910	Q	6.4507	6.5199	1.1	76.04		
L1013015-01		870	R	6.506	6.5063	1.1	0.34		
L1013015-02		870	S	6.4977	6.498	1.1	0.34		
L1013015-03		900	T	6.5027	6.5027	1.1	0.00		
L1013015-04		860	U	6.4957	6.4958	1.2	0.12		
L1013016-01		1000	V	6.5199	6.5202	1.0	0.30		
L1013017-01		960	W	6.4915	6.4969	1.0	5.62		
						1.0			
DUP	WG429246-4	980	E	6.4302	6.4306	1.0	0.41	L1012822-02	
BLANK	WG429246-2	1000	A	6.4581	6.4588	1.0	0.70		
Sample Number		Sample Vol. (ml)	Symbol	Tare Weight (gm)	Gross Weight (gm)	Spike Conc. mg/l	Spike Result (mg/l)	Spike Recovery (%)	Sample Result (mg/l)
SPIKE	WG429246-3	970	G	6.4427	6.4803	41.2	38.8	94	0
L1012824-02									
LCS	WG429246-1	1000	B	6.4601	6.4968	40.0	37	92	

Quality Control

3A
LAB DUPLICATE
WATER WETCHEM

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Laboratory Duplicate - Client Sample No.: EFFLUENT (WG429246-4)

COMPOUND	SAMPLE CONCENTRATION (mg/l)	DUP CONCENTRATION (mg/l)	DUP % RPD	DUP RPD LIMIT
Oil & Grease, Hem-Grav	ND	ND	NC	18

* Values outside of QC limits.

COMMENTS: _____

FORM III OG-1664

3A
LAB CONTROL SAMPLE RECOVERY
WATER WETCHEM

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Lab Control Sample - Client Sample No.: WG429246-1LCS

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC	QC. LIMITS REC.
Oil & Grease, Hem-Grav	40	NA	37.	92	78-114

* Values outside of QC limits.

COMMENTS: _____

FORM III OG-1664

3A
MATRIX SPIKE RECOVERY
WATER WETCHEM

Lab Name: Alpha Analytical Labs

SDG No.: L1013017

Matrix: Water

Matrix Spike - Client Sample No.: EFFLUENT (WG429246-3)

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	SPIKE CONCENTRATION (mg/l)	SPIK % REC	QC. LIMITS REC.
Oil & Grease, Hem-Grav	41.2	ND	39.	94	78-114

* Values outside of QC limits.

COMMENTS: _____

FORM III OG-1664

Determination of Method Detection Limits

Alpha Analytical Inc.
Westborough, MA

Method: EPA 1664A 2009

SPE Oil and Grease-Hexane Liquid

Approved

Page 1 of 1	
Tech:	JO
Date:	1/26-27, 1/29/2009
Instrument ID:	SPE

Table (MDL)		Date Analy.	mdl01	mdl02	mdl03	mdl04	mdl05	mdl06	mdl07	T value used for calculating MDL: 3.143					Calc MDL	Current RL	Comment
No.	Analytes	Target Conc. (mg/L)	Rep-1 (mg/L)	Rep-2 (mg/L)	Rep-3 (mg/L)	Rep-4 (mg/L)	Rep-5 (mg/L)	Rep-6 (mg/L)	Rep-7 (mg/L)	Mean (mg/L)	Mean Accuracy	Standard Deviation			(mg/L)	(mg/L)	
1	Oil & Grease	8.00	8.30	7.50	8.00	7.30	8.00	8.00	7.50	7.80	98%	0.365			1.148	4.0	
2																	
3																	

Comments:

Calculations of Oil and Grease, n-Hexane Extraction

$$\text{mgHEM} / \text{L} = \frac{\text{Final weight of dish} - \text{tared weight}}{V} \times 1000$$

Where V = volume of sample in liters

Run Logs

Sample Preparation

Sample	Volume (ml)	Symbol	plte2	Tare (g)	Gross (g)
Blank	1000	A	/	6.4581	6.4588
Wes	1000	B	/	6.4601	6.4608
12821.2	990	C	/	6.4626	6.4658
12822.2	980	D	/	6.4440	6.4446
2 d	980	E	/	6.4307	6.4306
12824.2	980	F	/	6.4406	6.4409
2 SP	970	G	/	6.4427	6.4503
12826.2	950	H	/	6.4686	6.5031
Y	960	I	/	6.4457	6.4461
12866.1	970	J	/	6.4424	6.5706
12887.1	920	K	/	6.4097	6.4970
12900.3	960	L	/	6.4409	6.4927
12901.1	980	M	/	6.4538	6.4547
12904.2	930	N	/	6.4687	6.4697
12907.2	890	O	/	6.4440	6.4875
12924.1	960	P	/	6.4735	6.5054
12925.2	910	Q	/	6.4507	6.5799
13015.1	870	R	/	6.5060	6.5063
2	870	S	/	6.4977	6.4980
3	900	T	/	6.5027	6.5027
4	860	U	/	6.4957	6.4958
13016.1	1000	V	/	6.5755	6.5702
13017.1	960	W	/	6.4915	6.4969
13009.1	960	X	/	6.4608	6.4612
1 d	960	Y	/	6.4388	6.4372
Chen - up 8127110 e 12:30					
Blank	1000	A	/	6.3707	6.3708
Wes	1000	B	/	6.3778	6.3939
12824.2	980	C	/	6.3443	6.3450
2 SP	970	D	/	6.3826	6.4033
13009.1	960	X	/	6.4665	6.4665
1 d	960	Y	/	6.4310	6.4310

Continued on Page

& estimated value
 Signed _____ Date 1 Feb 2005
 Read and Understood By Hecae DR 704
Mehran R 804
 Signed CPE 2052 Page 2052 of 2052