



Electronic Comprehensive Validation Package (eCVP)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Modified TO-4A

INVENTORY SHEET

Work Order #: 0907167A

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Comments:

Completed by:

Kara McKiernan

(Signature)

Kara McKiernan / Document Control

(Print Name & Title)

7/21/09

(Date)


WORK ORDER #: 0907167A

Work Order Summary

CLIENT:	Mr. Doug Herlocker Tetra Tech 3380 Americana Terrace, Suite 201 Boise, ID 83706	BILL TO:	Mr. Doug Herlocker Tetra Tech 3380 Americana Terrace, Suite 201 Boise, ID 83706
PHONE:	208-389-1030	P.O. #	103P0333.005
FAX:		PROJECT #	103P0333.006 BMI Offsite
DATE RECEIVED:	07/09/2009	CONTACT:	Kelly Buettner
DATE COMPLETED:			

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	OFF04-070709	Modified TO-4A
01AA	OFF04-070709 Lab Duplicate	Modified TO-4A
04A	OFF03-070709	Modified TO-4A
07A	OFF03-070709BS	Modified TO-4A
08A	Lab Blank	Modified TO-4A
09A	LCS	Modified TO-4A

CERTIFIED BY: _____



Laboratory Director

DATE: _____

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,

Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-4A
Tetra Tech
Workorder# 0907167A

Three PUF Cartridge samples were received on July 09, 2009. The laboratory performed analysis via Modified EPA Method TO-4A using GC/ECD. The PUF samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. Following the extraction, the solvent is switched to hexane and the extract concentrated. Analysis is carried out on a HP GC/ECD and second column confirmation is used to positively identify pesticide results. Duplicate extraction cannot be performed on PUF media, therefore duplicate results are derived from analyzing the extract twice.

Method modifications taken to run these samples include:

<i>Requirement</i>	<i>Method TO-4A</i>	<i>ATL Modifications</i>
Extraction Solvent	10 % Diethyl Ether in Hexane	DCM, exchanging to Hexane during the concentration step.
Reagent Blank	Set up extraction system without filter/PUF; reflux with solvent	No Reagent Blank is extracted. Reagent lots are certified as acceptable prior to use.
Initial Calibration Verification (ICV)	Second source standard analyzed after ICAL; recovery 85 - 115 %	Recovery limits are 85-115% for pesticides; 80-120% for PCBs.
PCB Quantitation	Requires a minimum of 5 peaks	Use 4 peaks for quantitation.
Frequency of Continuing Calibration Verification	Every 10 samples.	Every 20 samples.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The associated comprehensive data validation package provided at a later date shows the time of analysis in GMT in the raw data files. Due to software limitations the time cannot be adjusted. However, the time on the final PDF and EDD reports are provided in PST.

Sampling volume was supplied by the client. A sample volume of 90 m³ was assumed for all QC samples.

Historically derived control limits for Endrin Aldehyde indicate a trend toward low recovery from the PUF media. In house generated control limits for Endrin Aldehyde were used to evaluate recovery for PUF media. Endrin Aldehyde results are qualified as estimated values.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

- B - Compound present in laboratory blank greater than reporting limit.
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the detection limit.
- M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample	Date Analyzed	Sample Extract	Sample Condition
					Holding Time (Days)		Holding Time (Days)	
OFF04-070709	0907167A-01A	7/ 7/2009	7/ 9/2009	7/10/2009	3	7/16/2009	6	Good
OFF04-070709 Lab Dupl	0907167A-01AA	7/ 7/2009	7/ 9/2009	7/10/2009	3	7/16/2009	6	Good
OFF03-070709	0907167A-04A	7/ 7/2009	7/ 9/2009	7/10/2009	3	7/17/2009	7	Good
OFF03-070709BS	0907167A-07A	7/ 7/2009	7/ 9/2009	7/10/2009	3	7/16/2009	6	Good
Lab Blank	0907167A-08A	NA	NA	7/10/2009	NA	7/16/2009	6	Good
LCS	0907167A-09A	NA	NA	7/10/2009	NA	7/16/2009	6	Good

Sample Results and Raw Data



Summary of Detected Compounds MODIFIED EPA METHOD TO-4A GC/ECD

Client Sample ID: OFF04-070709

Lab ID#: 0907167A-01A

No Detections Were Found.

Client Sample ID: OFF04-070709

Lab ID#: 0907167A-01A

MODIFIED EPA METHOD TO-4A GC/ECD

File Name:	P071618	Date of Collection: 7/7/09 5:17:00 PM
Dil. Factor:	1.00	Date of Analysis: 7/16/09 07:14 PM
		Date of Extraction: 7/10/09

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Aldrin	0.10	0.0011	Not Detected	Not Detected
alpha-BHC	0.10	0.0011	Not Detected	Not Detected
beta-BHC	0.10	0.0011	Not Detected	Not Detected
delta-BHC	0.10	0.0011	Not Detected	Not Detected
gamma-BHC (Lindane)	0.10	0.0011	Not Detected	Not Detected
alpha-Chlordane	0.10	0.0011	Not Detected	Not Detected
gamma-Chlordane	0.10	0.0011	Not Detected	Not Detected
4,4'-DDD	0.10	0.0011	Not Detected	Not Detected
4,4'-DDE	0.10	0.0011	Not Detected	Not Detected
4,4'-DDT	0.10	0.0011	Not Detected	Not Detected
Dieldrin	0.10	0.0011	Not Detected	Not Detected
Endosulfan I	0.10	0.0011	Not Detected	Not Detected
Endosulfan II	0.10	0.0011	Not Detected	Not Detected
Endosulfan Sulfate	0.10	0.0011	Not Detected	Not Detected
Endrin	0.10	0.0011	Not Detected	Not Detected
Endrin Aldehyde	0.10	0.0011	Not Detected	Not Detected
Endrin Ketone	0.10	0.0011	Not Detected	Not Detected
Heptachlor	0.10	0.0011	Not Detected	Not Detected
Heptachlor Epoxide	0.10	0.0011	Not Detected	Not Detected
4,4'-Methoxychlor	1.0	0.011	Not Detected	Not Detected
Toxaphene	1.0	0.011	Not Detected	Not Detected
Aroclor 1016/1242	1.0	0.011	Not Detected	Not Detected
Aroclor-1221	1.0	0.011	Not Detected	Not Detected
Aroclor-1232	1.0	0.011	Not Detected	Not Detected
Aroclor-1248	1.0	0.011	Not Detected	Not Detected
Aroclor-1254	1.0	0.011	Not Detected	Not Detected
Aroclor-1260	1.0	0.011	Not Detected	Not Detected

Air Sample Volume(L): 89600

Aroclors were reported from file #P071618a, analyzed on 7/16/09 with a dilution factor of 1.00.

Container Type: PUF Cartridge

Surrogates	%Recovery	Method Limits
2,4,5,6-Tetrachloro-m-xylene	79	60-120
Decachlorobiphenyl	71	60-120

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071618.d
Lab Smp Id: 0907167A-01A
Inj Date : 17-JUL-2009 02:14
Operator : lzInst ID: gcp.i
Smp Info :
Misc Info : None
Comment : Front column, Rtx-CLPesticides II
Method : /chem/gcp.i/16Jul2009.b/p0910519.m
Meth Date : 16-Jul-2009 16:09 lzhangQuant Type: ISTD
Cal Date : 19-MAY-2009 20:37Cal File: P051912.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: all.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

		CONCENTRATIONS					
					ON-COLUMN	FINAL	
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		6.010	6.012	(0.352)	8956156214	0.47602	0.4760
M 3 toxaphene		Compound Not Detected.					
4 toxaphene-1		Compound Not Detected.					
5 toxaphene-2		Compound Not Detected.					
6 toxaphene-3		Compound Not Detected.					
7 toxaphene-4		Compound Not Detected.					
8 a-BHC		Compound Not Detected.					
9 g-BHC		Compound Not Detected.					
10 b-BHC		Compound Not Detected.					
11 d-BHC		Compound Not Detected.					
12 Heptachlor		Compound Not Detected.					
13 Aldrin		Compound Not Detected.					
14 Heptachlor Epoxide		Compound Not Detected.					
15 g-Chlordane		Compound Not Detected.					
16 a-Chlordane		Compound Not Detected.					
17 Endosulfan I		Compound Not Detected.					
18 DDE		Compound Not Detected.					
19 Dieldrin		Compound Not Detected.					
20 Endrin		Compound Not Detected.					
21 DDD		Compound Not Detected.					
22 Endosulfan II		Compound Not Detected.					

CONCENTRATIONS						
Compounds	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
23 DDT		Compound Not Detected.				
24 Endrin Aldehyde		Compound Not Detected.				
25 Endosulfan Sulfate		Compound Not Detected.				
26 Methoxychlor		Compound Not Detected.				
169 Mirex		Compound Not Detected.				
27 Endrin Ketone		Compound Not Detected.				
\$ 28 DCB	15.402	15.404	(0.902)	5076617126	0.42768	0.4277
* 29 Decachlorodiphenyl Ether	17.073	17.076	(1.000)	19427828658	2.00000	

Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/16Jul2009.b/P071618a.d

Lab Smp Id: 0907167A-01A

Inj Date : 17-JUL-2009 02:14

Operator : lz

Smp Info :

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/16Jul2009.b/p09p0522.m

Meth Date : 16-Jul-2009 15:45 lzhang

Cal Date : 22-MAY-2009 19:06

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie

Target Version: 3.50

Processing Host: eeyore

Inst ID: gcp.i

Quant Type: ISTD

Cal File: P052203.d

Compound Sublist: all_42.sub

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS					
					ON-COLUMN	FINAL	
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		6.010	6.026	(0.352)	7569112834	0.50777	0.508
M 3 pcb1016/1242		Compound Not Detected.					
4 pcb1016/1242-1		Compound Not Detected.					
5 pcb1016/1242-2		Compound Not Detected.					
6 pcb1016/1242-3		Compound Not Detected.					
7 pcb1016/1242-4		Compound Not Detected.					
M 8 pcb1260		Compound Not Detected.					
9 pcb1260-1		Compound Not Detected.					
10 pcb1260-2		Compound Not Detected.					
11 pcb1260-3		Compound Not Detected.					
12 pcb1260-4		Compound Not Detected.					
M 13 pcb1221		Compound Not Detected.					
14 pcb1221-1		Compound Not Detected.					
15 pcb1221-2		Compound Not Detected.					
16 pcb1221-3		Compound Not Detected.					

		CONCENTRATIONS				
		ON-COLUMN			FINAL	
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/mL) (uG)
=====		==	=====	=====	=====	=====
	17 pcb1221-4		Compound	Not Detected.		
M	18 pcb1232		Compound	Not Detected.		
	19 pcb1232-1		Compound	Not Detected.		
	20 pcb1232-2		Compound	Not Detected.		
	21 pcb1232-3		Compound	Not Detected.		
	22 pcb1232-4		Compound	Not Detected.		
M	28 pcb1248		Compound	Not Detected.		
	29 pcb1248-1		Compound	Not Detected.		
	30 pcb1248-2		Compound	Not Detected.		
	31 pcb1248-3		Compound	Not Detected.		
	32 pcb1248-4		Compound	Not Detected.		
M	33 pcb1254		Compound	Not Detected.		
	34 pcb1254-1		Compound	Not Detected.		
	35 pcb1254-2		Compound	Not Detected.		
	36 pcb1254-3		Compound	Not Detected.		
	37 pcb1254-4		Compound	Not Detected.		
\$	38 DCB	15.402	15.417	(0.902)	4805737095	0.47993 0.480
*	39 Decachlorodiphenyl Ether	17.073	17.092	(1.000)	19119967696	2.00000

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071618.d

Calibration Time: 22:40

Lab Smp Id: 0907167A-01A

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	18282434903	9141217451	36564869805	19427828658	6.26

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.08	16.58	17.58	17.07	-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.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071618a.d

Calibration Time: 22:13

Lab Smp Id: 0907167A-01A

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	19448493630	9724246815	38896987259	19119967696	-1.69

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	17.09	16.59	17.59	17.07	-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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 0907167A-01A	
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all.sub	
Method File: /chem/gcp.i/16Jul2009.b/p0910519.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.6000	0.4760	79.34	60-120
\$ 28 DCB	0.6000	0.4277	71.28	60-120

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction: VOA
Lab Smp Id: 0907167A-01A	
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all_42.sub	
Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$ 2 TCMX	0.600	0.508	84.63	60-120
\$ 38 DCB	0.600	0.480	79.99	60-120

Data File: /chem/gcp.i/071009T04.b/P071618.d

Date : 17-JUL-2009 02:14

Client ID:

Sample Info:

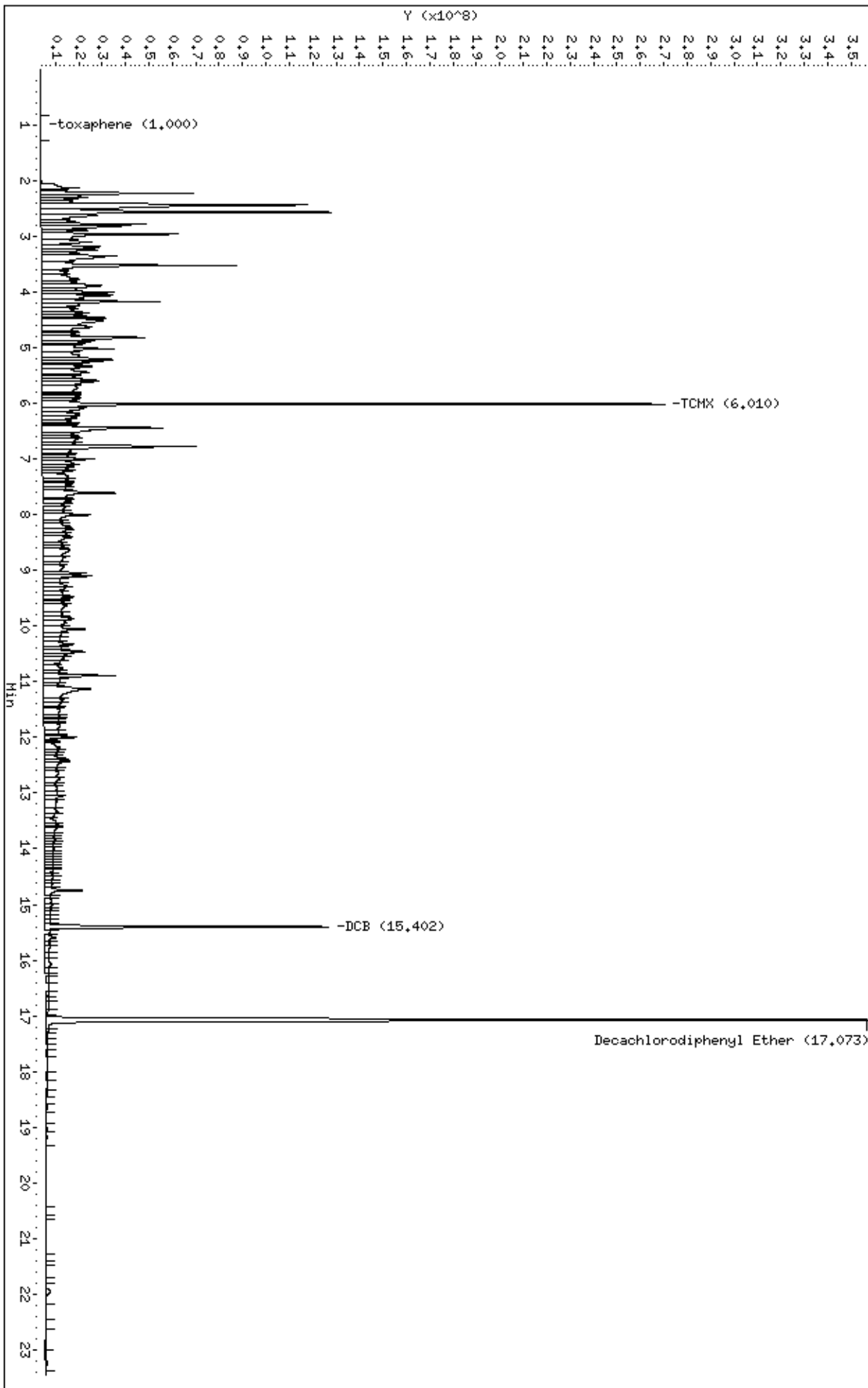
Column phase:

Instrument: gcp.i

Operator: lz

Column diameter: 2.00

/chem/gcp.i/071009T04.b/P071618.d/P071618.CDF



Data File: /chem/gcp.i/16Jul2009.b/P071618a.d

Date : 17-JUL-2009 02:14

Client ID:

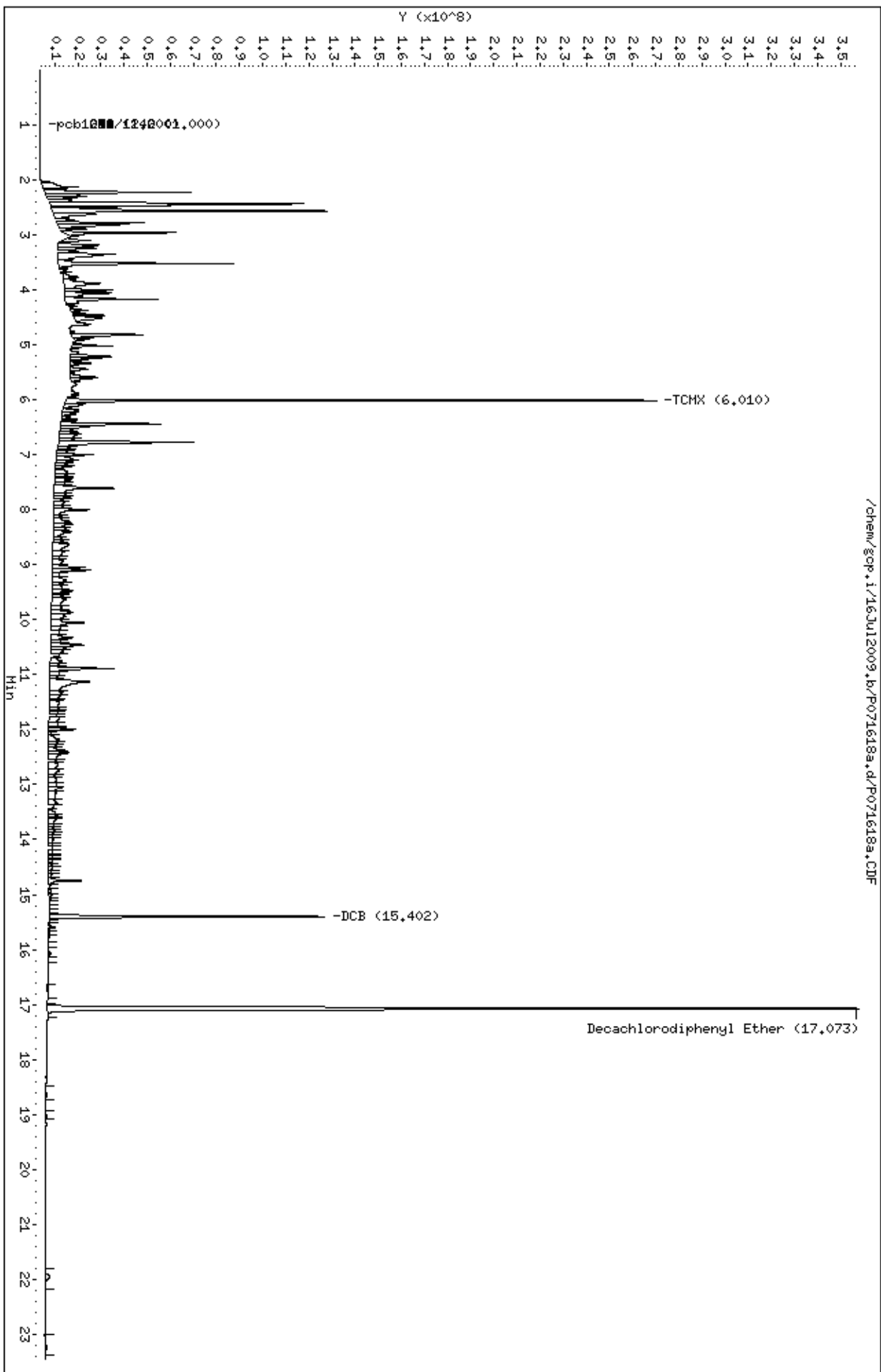
Sample Info:

Column phase:

Instrument: gcp.i

Operator: iz

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071618b.d
Lab Smp Id: 0907167A-01A
Inj Date : 17-JUL-2009 02:14
Operator : lzInst ID: gcp.i
Smp Info :
Misc Info : None
Comment : Back column, Rtx-CLPesticides
Method : /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m
Meth Date : 16-Jul-2009 16:09 lzhangQuant Type: ISTD
Cal Date : 19-MAY-2009 20:37Cal File: P051912b.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: all.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

		CONCENTRATIONS					
					ON-COLUMN	FINAL	
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		5.832	5.830	(0.371)	3291438112	0.46921	0.4692
M 3 toxaphene		Compound Not Detected.					
4 toxaphene-1		Compound Not Detected.					
5 toxaphene-2		Compound Not Detected.					
6 toxaphene-3		Compound Not Detected.					
7 toxaphene-4		Compound Not Detected.					
8 a-BHC		Compound Not Detected.					
9 g-BHC		Compound Not Detected.					
10 b-BHC		Compound Not Detected.					
11 d-BHC		Compound Not Detected.					
12 Heptachlor		Compound Not Detected.					
13 Aldrin		Compound Not Detected.					
14 Heptachlor Epoxide		Compound Not Detected.					
15 g-Chlordane		Compound Not Detected.					
16 a-Chlordane		Compound Not Detected.					
17 DDE		Compound Not Detected.					
18 Endosulfan I		Compound Not Detected.					
19 Dieldrin		Compound Not Detected.					
20 Endrin		Compound Not Detected.					
21 DDD		Compound Not Detected.					
22 Endosulfan II		Compound Not Detected.					

Compounds	CONCENTRATIONS					
	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug)	FINAL (ug)
=====	==	=====	=====	=====	=====	=====
23 DDT		Compound Not Detected.				
24 Endrin Aldehyde		Compound Not Detected.				
25 Methoxychlor		Compound Not Detected.				
168 Mirex		Compound Not Detected.				
26 Endosulfan Sulfate		Compound Not Detected.				
27 Endrin Ketone		Compound Not Detected.				
\$ 28 DCB	14.381	14.379	(0.916)	2365328707	0.42222	0.4222
* 29 Decachlorodiphenyl Ether	15.700	15.699	(1.000)	8900658814	2.00000	

		CONCENTRATIONS				
		ON-COLUMN			FINAL	
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====	==	=====	=====	=====	=====	=====
17 pcb1221-4		Compound	Not	Detected.		
M 18 pcb1232		Compound	Not	Detected.		
19 pcb1232-1		Compound	Not	Detected.		
20 pcb1232-2		Compound	Not	Detected.		
21 pcb1232-3		Compound	Not	Detected.		
22 pcb1232-4		Compound	Not	Detected.		
M 28 pcb1248		Compound	Not	Detected.		
29 pcb1248-1		Compound	Not	Detected.		
30 pcb1248-2		Compound	Not	Detected.		
31 pcb1248-3		Compound	Not	Detected.		
32 pcb1248-4		Compound	Not	Detected.		
M 33 pcb1254		Compound	Not	Detected.		
34 pcb1254-1		Compound	Not	Detected.		
35 pcb1254-2		Compound	Not	Detected.		
36 pcb1254-3		Compound	Not	Detected.		
37 pcb1254-4		Compound	Not	Detected.		
\$ 38 DCB	14.381	14.378	(0.916)	2365328707	0.49017	0.490
* 39 Decachlorodiphenyl Ether	15.700	15.698	(1.000)	8898330838	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071618b.d

Calibration Time: 22:40

Lab Smp Id: 0907167A-01A

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	8225164566	4112582283	16450329131	8900658814	8.21

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071618ab.d

Calibration Time: 22:13

Lab Smp Id: 0907167A-01A

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	8678794631	4339397315	17357589261	8898330838	2.53

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 0907167A-01A	
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all.sub	
Method File: /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.6000	0.4692	78.20	60-120
\$ 28 DCB	0.6000	0.4222	70.37	60-120

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction: VOA
Lab Smp Id: 0907167A-01A	
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all_42.sub	
Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$ 2 TCMX	0.600	0.531	88.55	60-120
\$ 38 DCB	0.600	0.490	81.69	60-120

Data File: /chem/gcp.i/16Jul2009.b/P071618b.d

Date : 17-JUL-2009 02:14

Client ID:

Sample Info:

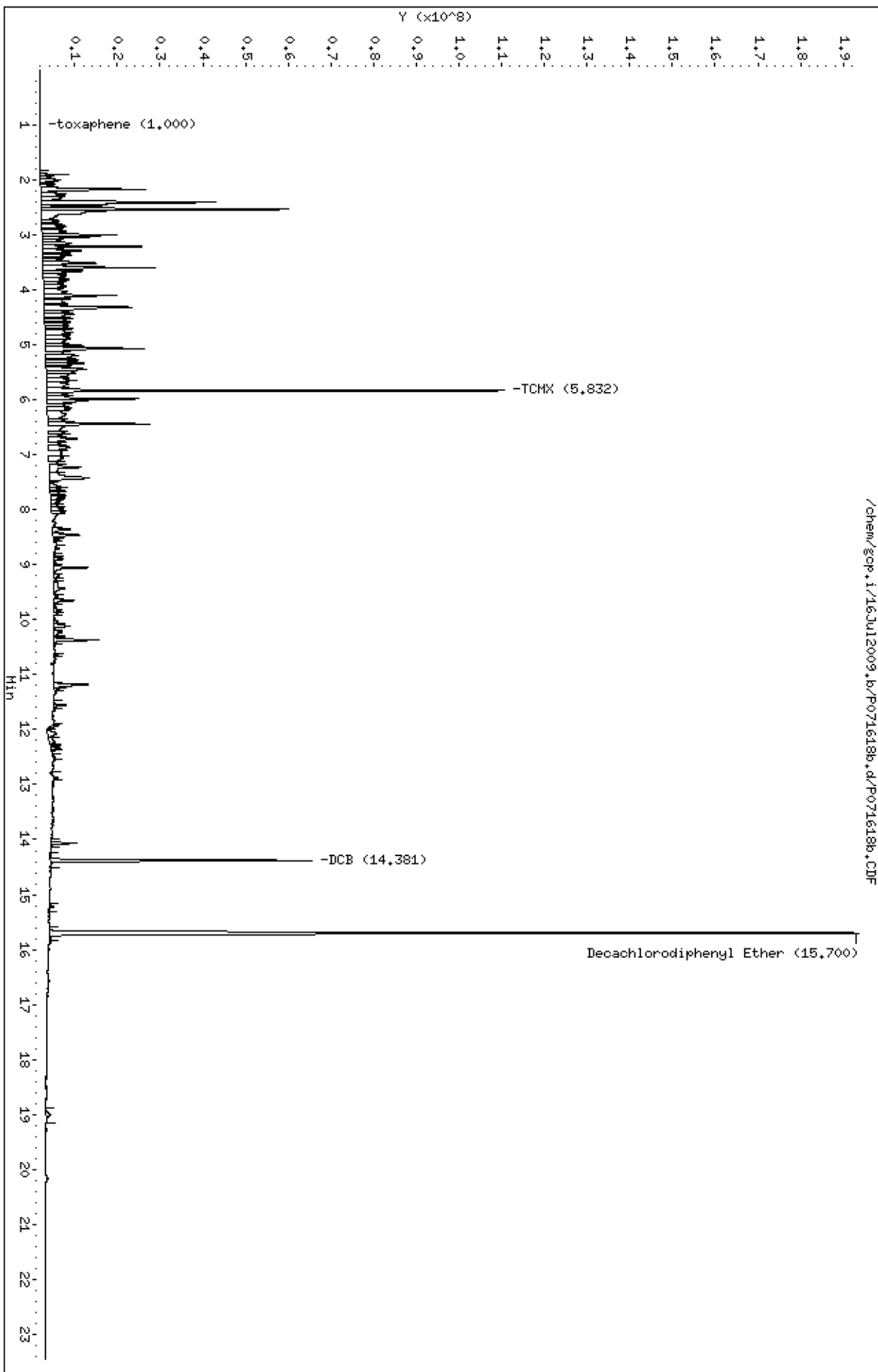
Column phase:

Instrument: gcp.i

Operator: iz

Column diameter: 2.00

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Data File: /chem/gcp,i/16Jul2009,b/P071618ab.d

Date : 17-JUL-2009 02:14

Client ID:

Sample Info:

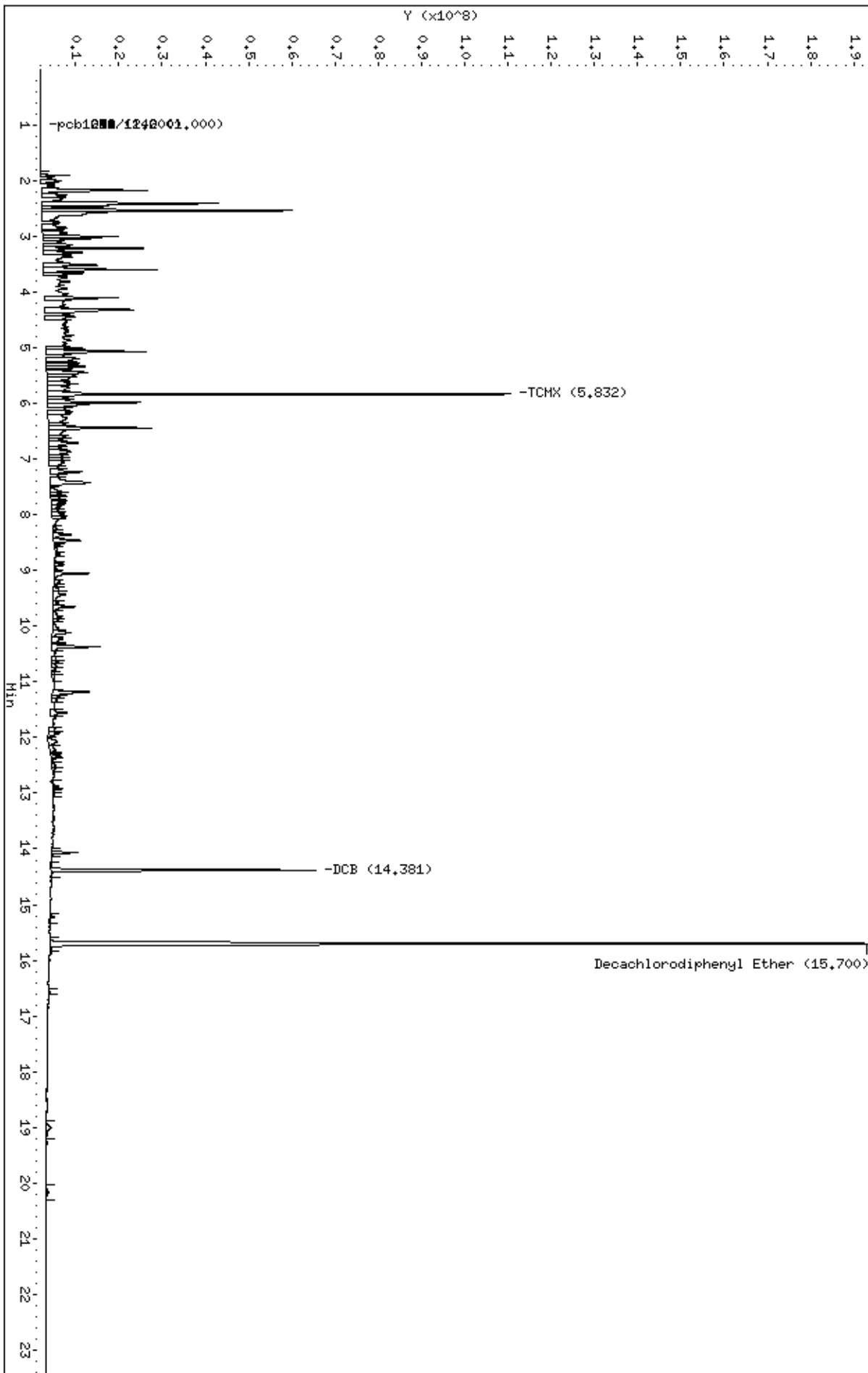
Column phase:

Instrument: gcp,i

Operator: iz

Column diameter: 2.00

/chem/gcp,i/16Jul2009,b/P071618ab.d/P071618ab.CDF





Summary of Detected Compounds MODIFIED EPA METHOD TO-4A GC/ECD

Client Sample ID: OFF04-070709 Lab Duplicate

Lab ID#: 0907167A-01AA

No Detections Were Found.

Client Sample ID: OFF04-070709 Lab Duplicate

Lab ID#: 0907167A-01AA

MODIFIED EPA METHOD TO-4A GC/ECD

File Name:	P071619	Date of Collection: 7/7/09 5:17:00 PM
Dil. Factor:	1.00	Date of Analysis: 7/16/09 07:41 PM
		Date of Extraction: 7/10/09

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Aldrin	0.10	0.0011	Not Detected	Not Detected
alpha-BHC	0.10	0.0011	Not Detected	Not Detected
beta-BHC	0.10	0.0011	Not Detected	Not Detected
delta-BHC	0.10	0.0011	Not Detected	Not Detected
gamma-BHC (Lindane)	0.10	0.0011	Not Detected	Not Detected
alpha-Chlordane	0.10	0.0011	Not Detected	Not Detected
gamma-Chlordane	0.10	0.0011	Not Detected	Not Detected
4,4'-DDD	0.10	0.0011	Not Detected	Not Detected
4,4'-DDE	0.10	0.0011	Not Detected	Not Detected
4,4'-DDT	0.10	0.0011	Not Detected	Not Detected
Dieldrin	0.10	0.0011	Not Detected	Not Detected
Endosulfan I	0.10	0.0011	Not Detected	Not Detected
Endosulfan II	0.10	0.0011	Not Detected	Not Detected
Endosulfan Sulfate	0.10	0.0011	Not Detected	Not Detected
Endrin	0.10	0.0011	Not Detected	Not Detected
Endrin Aldehyde	0.10	0.0011	Not Detected	Not Detected
Endrin Ketone	0.10	0.0011	Not Detected	Not Detected
Heptachlor	0.10	0.0011	Not Detected	Not Detected
Heptachlor Epoxide	0.10	0.0011	Not Detected	Not Detected
4,4'-Methoxychlor	1.0	0.011	Not Detected	Not Detected
Toxaphene	1.0	0.011	Not Detected	Not Detected
Aroclor 1016/1242	1.0	0.011	Not Detected	Not Detected
Aroclor-1221	1.0	0.011	Not Detected	Not Detected
Aroclor-1232	1.0	0.011	Not Detected	Not Detected
Aroclor-1248	1.0	0.011	Not Detected	Not Detected
Aroclor-1254	1.0	0.011	Not Detected	Not Detected
Aroclor-1260	1.0	0.011	Not Detected	Not Detected

Air Sample Volume(L): 89600

Aroclors were reported from file #P071619a, analyzed on 7/16/09 with a dilution factor of 1.00.

Container Type: PUF Cartridge

Surrogates	%Recovery	Method Limits
2,4,5,6-Tetrachloro-m-xylene	80	60-120
Decachlorobiphenyl	70	60-120

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071619.d

Lab Smp Id: 0907167A-01AA

Inj Date : 17-JUL-2009 02:41

Operator : lz

Inst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Front column, Rtx-CLPesticides II

Method : /chem/qcp.i/16Jul2009.b/p0910519.m

Meth Date : 16-Jul-2009 16:09 lzhang Quant Type: ISTD

Cal Date : 19-MAY-2009 20:37 Cal File: P051912.d

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds	RT	EXP RT	REL RT		RESPONSE	(ug)	(ug)
=====	==	=====	=====		=====	=====	=====
\$ 2 TCMX	6.009	6.012	(0.352)		8917394817	0.47949	0.4795
M 3 toxaphene		Compound	Not	Detected.			
4 toxaphene-1		Compound	Not	Detected.			
5 toxaphene-2		Compound	Not	Detected.			
6 toxaphene-3		Compound	Not	Detected.			
7 toxaphene-4		Compound	Not	Detected.			
8 a-BHC		Compound	Not	Detected.			
9 g-BHC		Compound	Not	Detected.			
10 b-BHC		Compound	Not	Detected.			
11 d-BHC		Compound	Not	Detected.			
12 Heptachlor		Compound	Not	Detected.			
13 Aldrin		Compound	Not	Detected.			
14 Heptachlor Epoxide		Compound	Not	Detected.			
15 g-Chlordane		Compound	Not	Detected.			
16 a-Chlordane		Compound	Not	Detected.			
17 Endosulfan I		Compound	Not	Detected.			
18 DDE		Compound	Not	Detected.			
19 Dieldrin		Compound	Not	Detected.			
20 Endrin		Compound	Not	Detected.			
21 DDD		Compound	Not	Detected.			
22 Endosulfan II		Compound	Not	Detected.			

CONCENTRATIONS						
Compounds	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
23 DDT		Compound Not Detected.				
24 Endrin Aldehyde		Compound Not Detected.				
25 Endosulfan Sulfate		Compound Not Detected.				
26 Methoxychlor		Compound Not Detected.				
169 Mirex		Compound Not Detected.				
27 Endrin Ketone		Compound Not Detected.				
\$ 28 DCB	15.402	15.404	(0.902)	4941716447	0.42118	0.4212
* 29 Decachlorodiphenyl Ether	17.072	17.076	(1.000)	19203649150	2.00000	

		CONCENTRATIONS				
		ON-COLUMN			FINAL	
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====	==	=====	=====	=====	=====	=====
17 pcb1221-4		Compound	Not	Detected.		
M 18 pcb1232		Compound	Not	Detected.		
19 pcb1232-1		Compound	Not	Detected.		
20 pcb1232-2		Compound	Not	Detected.		
21 pcb1232-3		Compound	Not	Detected.		
22 pcb1232-4		Compound	Not	Detected.		
M 28 pcb1248		Compound	Not	Detected.		
29 pcb1248-1		Compound	Not	Detected.		
30 pcb1248-2		Compound	Not	Detected.		
31 pcb1248-3		Compound	Not	Detected.		
32 pcb1248-4		Compound	Not	Detected.		
M 33 pcb1254		Compound	Not	Detected.		
34 pcb1254-1		Compound	Not	Detected.		
35 pcb1254-2		Compound	Not	Detected.		
36 pcb1254-3		Compound	Not	Detected.		
37 pcb1254-4		Compound	Not	Detected.		
\$ 38 DCB	15.402	15.417	(0.902)	4709170025	0.47336	0.473
* 39 Decachlorodiphenyl Ether	17.072	17.092	(1.000)	18995942080	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071619.d

Calibration Time: 22:40

Lab Smp Id: 0907167A-01AA

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	18282434903	9141217451	36564869805	19203649150	5.04

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.08	16.58	17.58	17.07	-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.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071619a.d

Calibration Time: 22:13

Lab Smp Id: 0907167A-01AA

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	19448493630	9724246815	38896987259	18995942080	-2.33

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	17.09	16.59	17.59	17.07	-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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 0907167A-01AA	
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all.sub	
Method File: /chem/gcp.i/16Jul2009.b/p0910519.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.6000	0.4795	79.91	60-120
\$ 28 DCB	0.6000	0.4212	70.20	60-120

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction: VOA
Lab Smp Id: 0907167A-01AA	
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all_42.sub	
Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$ 2 TCMX	0.600	0.509	84.77	60-120
\$ 38 DCB	0.600	0.473	78.89	60-120

Data File: /chem/gcp.i/071009T04.b/P071619.d

Date : 17-JUL-2009 02:41

Client ID:

Sample Info:

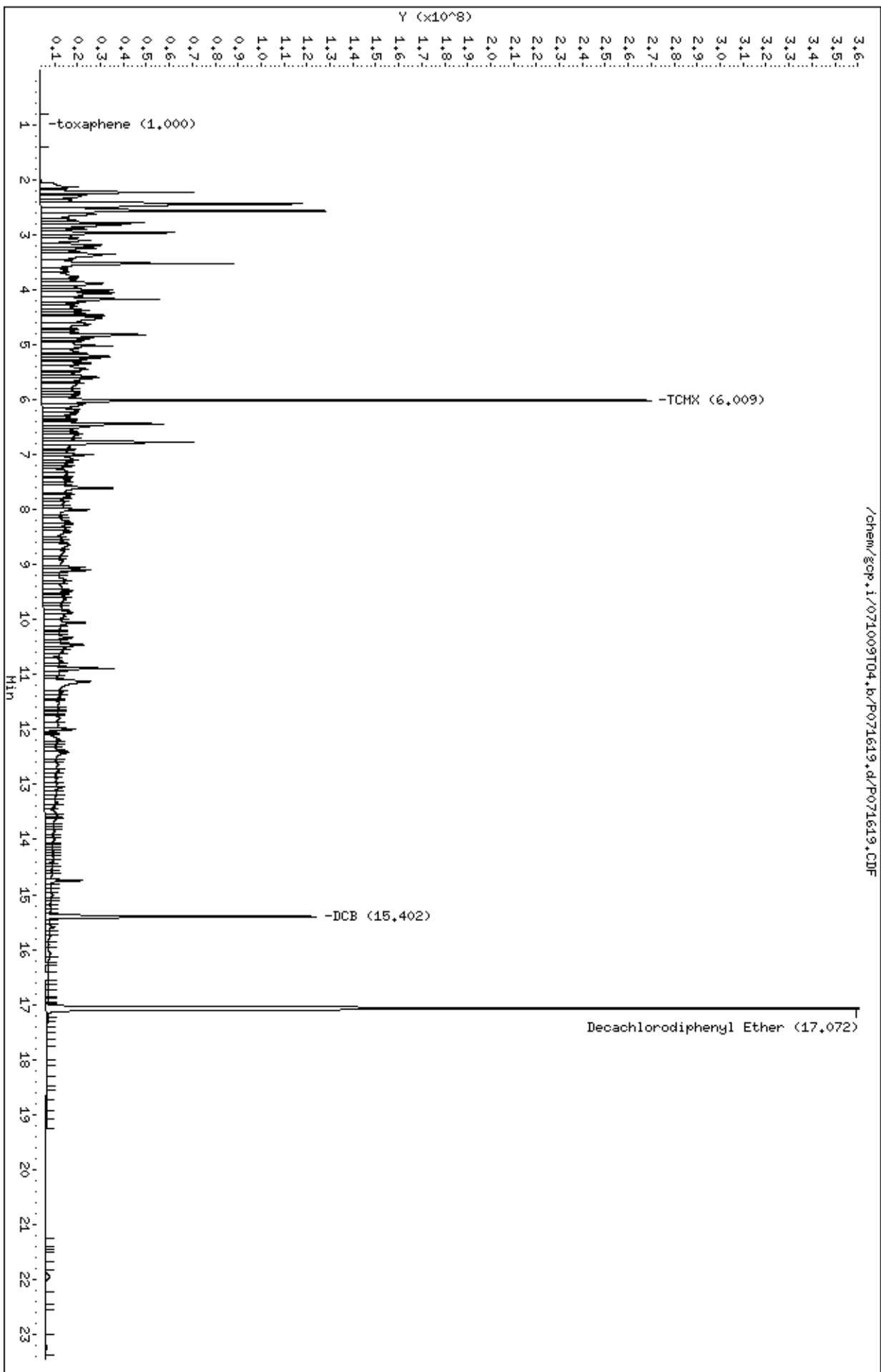
Column phase:

Instrument: gcp.i

Operator: lz

Column diameter: 2.00

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Data File: /chem/gcp.i/16Jul2009.b/P071619a.d

Date : 17-JUL-2009 02:41

Client ID:

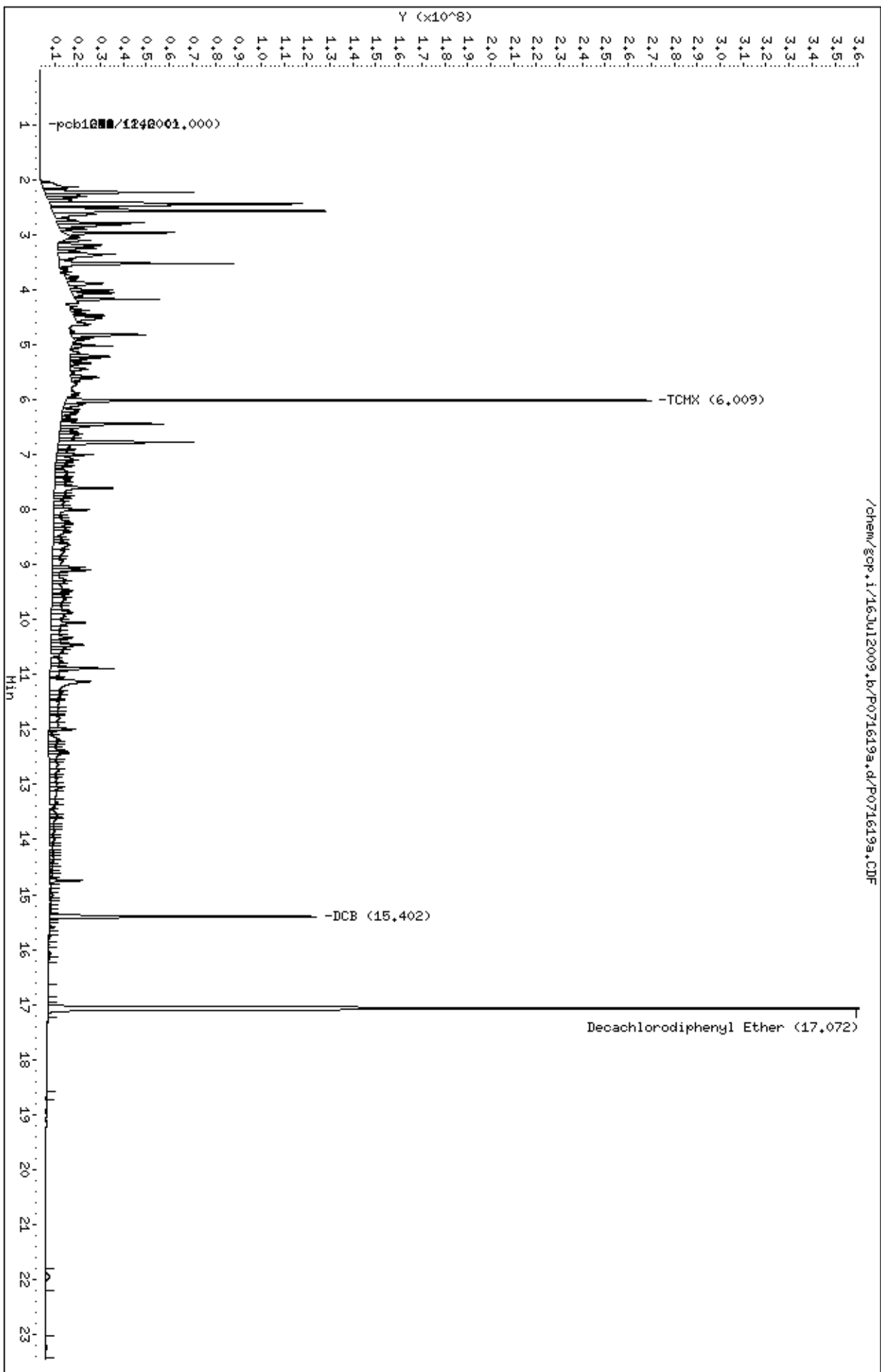
Sample Info:

Column phase:

Instrument: gcp.i

Operator: iz

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071619b.d
Lab Smp Id: 0907167A-01AA
Inj Date : 17-JUL-2009 02:41
Operator : lzInst ID: gcp.i
Smp Info :
Misc Info : None
Comment : Back column, Rtx-CLPesticides
Method : /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m
Meth Date : 16-Jul-2009 16:09 lzhangQuant Type: ISTD
Cal Date : 19-MAY-2009 20:37Cal File: P051912b.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: all.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

		CONCENTRATIONS					
					ON-COLUMN	FINAL	
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		5.832	5.830	(0.371)	3051285805	0.43294	0.4329
M 3 toxaphene		Compound Not Detected.					
4 toxaphene-1		Compound Not Detected.					
5 toxaphene-2		Compound Not Detected.					
6 toxaphene-3		Compound Not Detected.					
7 toxaphene-4		Compound Not Detected.					
8 a-BHC		Compound Not Detected.					
9 g-BHC		Compound Not Detected.					
10 b-BHC		Compound Not Detected.					
11 d-BHC		Compound Not Detected.					
12 Heptachlor		Compound Not Detected.					
13 Aldrin		Compound Not Detected.					
14 Heptachlor Epoxide		Compound Not Detected.					
15 g-Chlordane		Compound Not Detected.					
16 a-Chlordane		Compound Not Detected.					
17 DDE		Compound Not Detected.					
18 Endosulfan I		Compound Not Detected.					
19 Dieldrin		Compound Not Detected.					
20 Endrin		Compound Not Detected.					
21 DDD		Compound Not Detected.					
22 Endosulfan II		Compound Not Detected.					

Compounds	CONCENTRATIONS					
	ON-COLUMN			FINAL		
	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
23 DDT	Compound Not Detected.					
24 Endrin Aldehyde	Compound Not Detected.					
25 Methoxychlor	Compound Not Detected.					
168 Mirex	Compound Not Detected.					
26 Endosulfan Sulfate	Compound Not Detected.					
27 Endrin Ketone	Compound Not Detected.					
\$ 28 DCB	14.382	14.379	(0.916)	2348290007	0.41721	0.4172
* 29 Decachlorodiphenyl Ether	15.700	15.699	(1.000)	8942677257	2.00000	

		CONCENTRATIONS				
		ON-COLUMN			FINAL	
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====	==	=====	=====	=====	=====	=====
17 pcb1221-4		Compound	Not Detected.			
M 18 pcb1232		Compound	Not Detected.			
19 pcb1232-1		Compound	Not Detected.			
20 pcb1232-2		Compound	Not Detected.			
21 pcb1232-3		Compound	Not Detected.			
22 pcb1232-4		Compound	Not Detected.			
M 28 pcb1248		Compound	Not Detected.			
29 pcb1248-1		Compound	Not Detected.			
30 pcb1248-2		Compound	Not Detected.			
31 pcb1248-3		Compound	Not Detected.			
32 pcb1248-4		Compound	Not Detected.			
M 33 pcb1254		Compound	Not Detected.			
34 pcb1254-1		Compound	Not Detected.			
35 pcb1254-2		Compound	Not Detected.			
36 pcb1254-3		Compound	Not Detected.			
37 pcb1254-4		Compound	Not Detected.			
\$ 38 DCB	14.382	14.378	(0.916)	2348280846	0.48376	0.484
* 39 Decachlorodiphenyl Ether	15.700	15.698	(1.000)	8951291939	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071619b.d

Calibration Time: 22:40

Lab Smp Id: 0907167A-01AA

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	8225164566	4112582283	16450329131	8942677257	8.72

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071619ab.d

Calibration Time: 22:13

Lab Smp Id: 0907167A-01AA

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	8678794631	4339397315	17357589261	8951291939	3.14

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 0907167A-01AA	
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all.sub	
Method File: /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.6000	0.4329	72.16	60-120
\$ 28 DCB	0.6000	0.4172	69.53	60-120

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction: VOA
Lab Smp Id: 0907167A-01AA	
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all_42.sub	
Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$ 2 TCMX	0.600	0.527	87.85	60-120
\$ 38 DCB	0.600	0.484	80.63	60-120

Data File: /chem/gcp.i/16Jul2009.b/P071619b.d

Date : 17-JUL-2009 02:41

Client ID:

Sample Info:

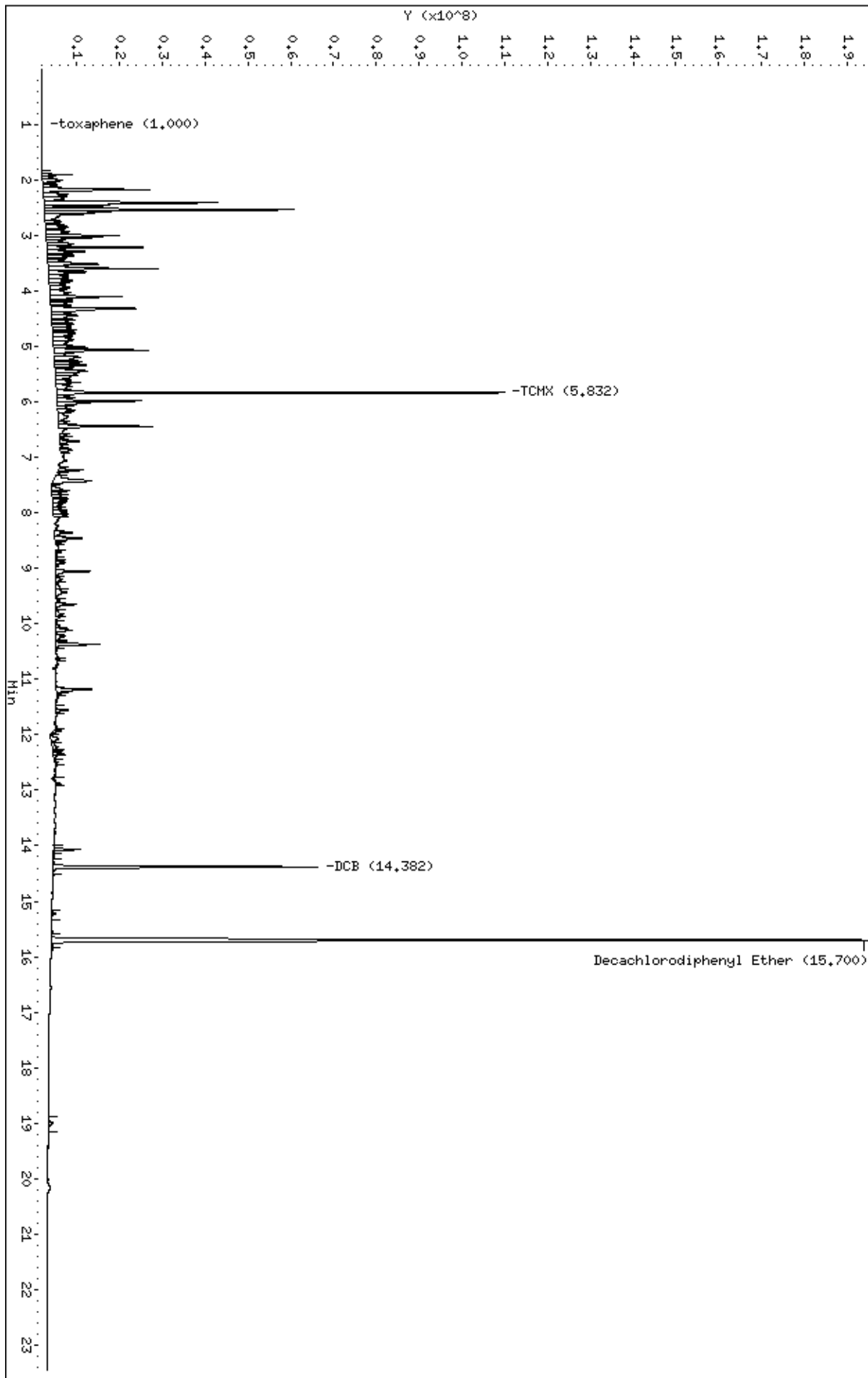
Column phase:

Instrument: gcp.i

Operator: iz

Column diameter: 2.00

/chem/gcp.i/16Jul2009.b/P071619b.d/P071619b.CDF



Data File: /chem/gcp,i/16Jul2009,b/P071619ab.d

Date : 17-JUL-2009 02:41

Client ID:

Sample Info:

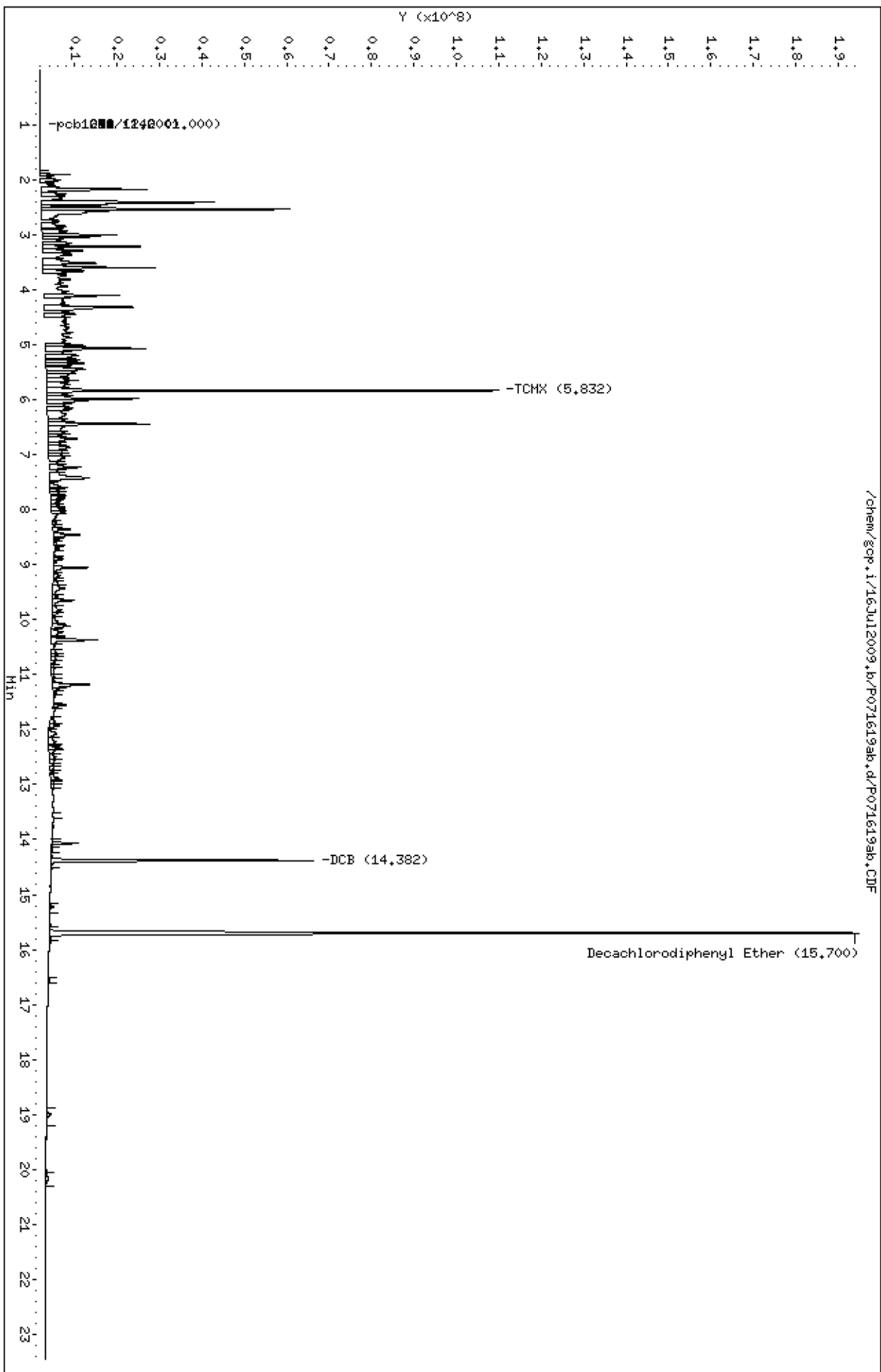
Column phase:

Instrument: gcp,i

Operator: iz

Column diameter: 2.00

Page 1





Summary of Detected Compounds MODIFIED EPA METHOD TO-4A GC/ECD

Client Sample ID: OFF03-070709

Lab ID#: 0907167A-04A

No Detections Were Found.

Client Sample ID: OFF03-070709

Lab ID#: 0907167A-04A

MODIFIED EPA METHOD TO-4A GC/ECD

File Name:	P071707	Date of Collection: 7/7/09 5:50:00 PM
Dil. Factor:	1.00	Date of Analysis: 7/17/09 01:47 PM
		Date of Extraction: 7/10/09

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Aldrin	0.10	0.0011	Not Detected	Not Detected
alpha-BHC	0.10	0.0011	Not Detected	Not Detected
beta-BHC	0.10	0.0011	Not Detected	Not Detected
delta-BHC	0.10	0.0011	Not Detected	Not Detected
gamma-BHC (Lindane)	0.10	0.0011	Not Detected	Not Detected
alpha-Chlordane	0.10	0.0011	Not Detected	Not Detected
gamma-Chlordane	0.10	0.0011	Not Detected	Not Detected
4,4'-DDD	0.10	0.0011	Not Detected	Not Detected
4,4'-DDE	0.10	0.0011	Not Detected	Not Detected
4,4'-DDT	0.10	0.0011	Not Detected	Not Detected
Dieldrin	0.10	0.0011	Not Detected	Not Detected
Endosulfan I	0.10	0.0011	Not Detected	Not Detected
Endosulfan II	0.10	0.0011	Not Detected	Not Detected
Endosulfan Sulfate	0.10	0.0011	Not Detected	Not Detected
Endrin	0.10	0.0011	Not Detected	Not Detected
Endrin Aldehyde	0.10	0.0011	Not Detected	Not Detected
Endrin Ketone	0.10	0.0011	Not Detected	Not Detected
Heptachlor	0.10	0.0011	Not Detected	Not Detected
Heptachlor Epoxide	0.10	0.0011	Not Detected	Not Detected
4,4'-Methoxychlor	1.0	0.011	Not Detected	Not Detected
Toxaphene	1.0	0.011	Not Detected	Not Detected
Aroclor 1016/1242	1.0	0.011	Not Detected	Not Detected
Aroclor-1221	1.0	0.011	Not Detected	Not Detected
Aroclor-1232	1.0	0.011	Not Detected	Not Detected
Aroclor-1248	1.0	0.011	Not Detected	Not Detected
Aroclor-1254	1.0	0.011	Not Detected	Not Detected
Aroclor-1260	1.0	0.011	Not Detected	Not Detected

Air Sample Volume(L): 87900

Aroclors were reported from file #P071707a, analyzed on 7/17/09 with a dilution factor of 1.00.

Container Type: PUF Cartridge

Surrogates	%Recovery	Method Limits
2,4,5,6-Tetrachloro-m-xylene	75	60-120
Decachlorobiphenyl	72	60-120

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/17Jul2009.b/P071707.d

Lab Smp Id: 0907167A-04A

Inj Date : 17-JUL-2009 20:47

Operator : rn

Inst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Front column, Rtx-CLPesticides II

Method : /chem/gcp.i/17Jul2009.b/p0910519.m

Meth Date : 20-Jul-2009 08:54 lzhang Quant Type: ISTD

Cal Date : 19-MAY-2009 20:37 Cal File: P051912.d

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====		==	=====	=====	=====	=====	=====
\$	2 TCMX	6.021	6.008	(0.352)	8216549477	0.45094	0.4509
M	3 toxaphene	Compound Not Detected.					
	4 toxaphene-1	Compound Not Detected.					
	5 toxaphene-2	Compound Not Detected.					
	6 toxaphene-3	Compound Not Detected.					
	7 toxaphene-4	Compound Not Detected.					
	8 a-BHC	Compound Not Detected.					
	9 g-BHC	Compound Not Detected.					
	10 b-BHC	Compound Not Detected.					
	11 d-BHC	Compound Not Detected.					
	12 Heptachlor	Compound Not Detected.					
	13 Aldrin	Compound Not Detected.					
	14 Heptachlor Epoxide	Compound Not Detected.					
	15 g-Chlordane	Compound Not Detected.					
	16 a-Chlordane	Compound Not Detected.					
	17 Endosulfan I	Compound Not Detected.					
	18 DDE	Compound Not Detected.					
	19 Dieldrin	Compound Not Detected.					
	20 Endrin	Compound Not Detected.					
	21 DDD	Compound Not Detected.					
	22 Endosulfan II	Compound Not Detected.					

Compounds	CONCENTRATIONS					
					ON-COLUMN	FINAL
	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
23 DDT	Compound Not Detected.					
24 Endrin Aldehyde	Compound Not Detected.					
25 Endosulfan Sulfate	Compound Not Detected.					
26 Methoxychlor	Compound Not Detected.					
169 Mirex	Compound Not Detected.					
27 Endrin Ketone	Compound Not Detected.					
\$ 28 DCB	15.410	15.398	(0.902)	5001479895	0.43508	0.4351
* 29 Decachlorodiphenyl Ether	17.083	17.069	(1.000)	18814633283	2.00000	

		CONCENTRATIONS				
		ON-COLUMN			FINAL	
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====	==	=====	=====	=====	=====	=====
17 pcb1221-4		Compound	Not Detected.			
M 18 pcb1232		Compound	Not Detected.			
19 pcb1232-1		Compound	Not Detected.			
20 pcb1232-2		Compound	Not Detected.			
21 pcb1232-3		Compound	Not Detected.			
22 pcb1232-4		Compound	Not Detected.			
M 28 pcb1248		Compound	Not Detected.			
29 pcb1248-1		Compound	Not Detected.			
30 pcb1248-2		Compound	Not Detected.			
31 pcb1248-3		Compound	Not Detected.			
32 pcb1248-4		Compound	Not Detected.			
M 33 pcb1254		Compound	Not Detected.			
34 pcb1254-1		Compound	Not Detected.			
35 pcb1254-2		Compound	Not Detected.			
36 pcb1254-3		Compound	Not Detected.			
37 pcb1254-4		Compound	Not Detected.			
\$ 38 DCB	15.410	15.413	(0.902)	4877219514	0.49810	0.498
* 39 Decachlorodiphenyl Ether	17.083	17.089	(1.000)	18696608316	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 17-JUL-2009

Lab File ID: P071707.d

Calibration Time: 18:55

Lab Smp Id: 0907167A-04A

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/17Jul2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	18677125180	9338562590	37354250361	18814633283	0.74

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.07	16.57	17.57	17.08	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.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 17-JUL-2009

Lab File ID: P071707a.d

Calibration Time: 19:41

Lab Smp Id: 0907167A-04A

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: rn

Method File: /chem/gcp.i/17Jul2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	17442469517	8721234758	34884939034	18696608316	7.19

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	17.09	16.59	17.59	17.08	-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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 17Jul2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 0907167A-04A	
Level: LOW	Operator: rn
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all.sub	
Method File: /chem/gcp.i/17Jul2009.b/p0910519.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.6000	0.4509	75.16	60-120
\$ 28 DCB	0.6000	0.4351	72.51	60-120

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 17Jul2009
Sample Matrix: GAS	Fraction: VOA
Lab Smp Id: 0907167A-04A	
Level: LOW	Operator: rn
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all_42.sub	
Method File: /chem/gcp.i/17Jul2009.b/p09p0522.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$ 2 TCMX	0.600	0.523	87.20	60-120
\$ 38 DCB	0.600	0.498	83.02	60-120

Data File: /chem/gcp.i/071009T04.b/P071707.d

Date : 17-JUL-2009 20:47

Client ID:

Sample Info:

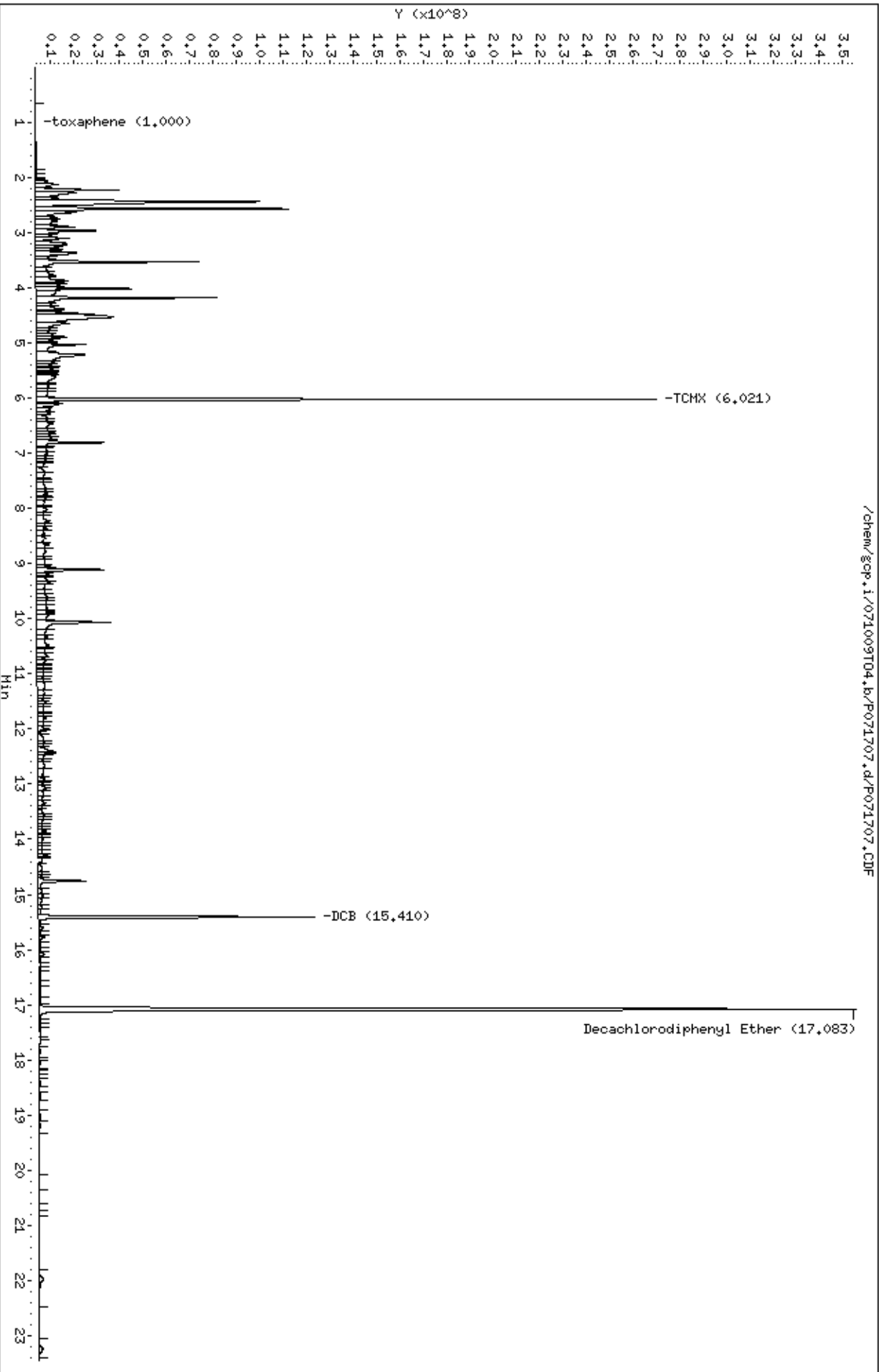
Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00

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Data File: /chem/gcp.i/17Jul2009.b/P071707a.d

Date : 17-JUL-2009 20:47

Client ID:

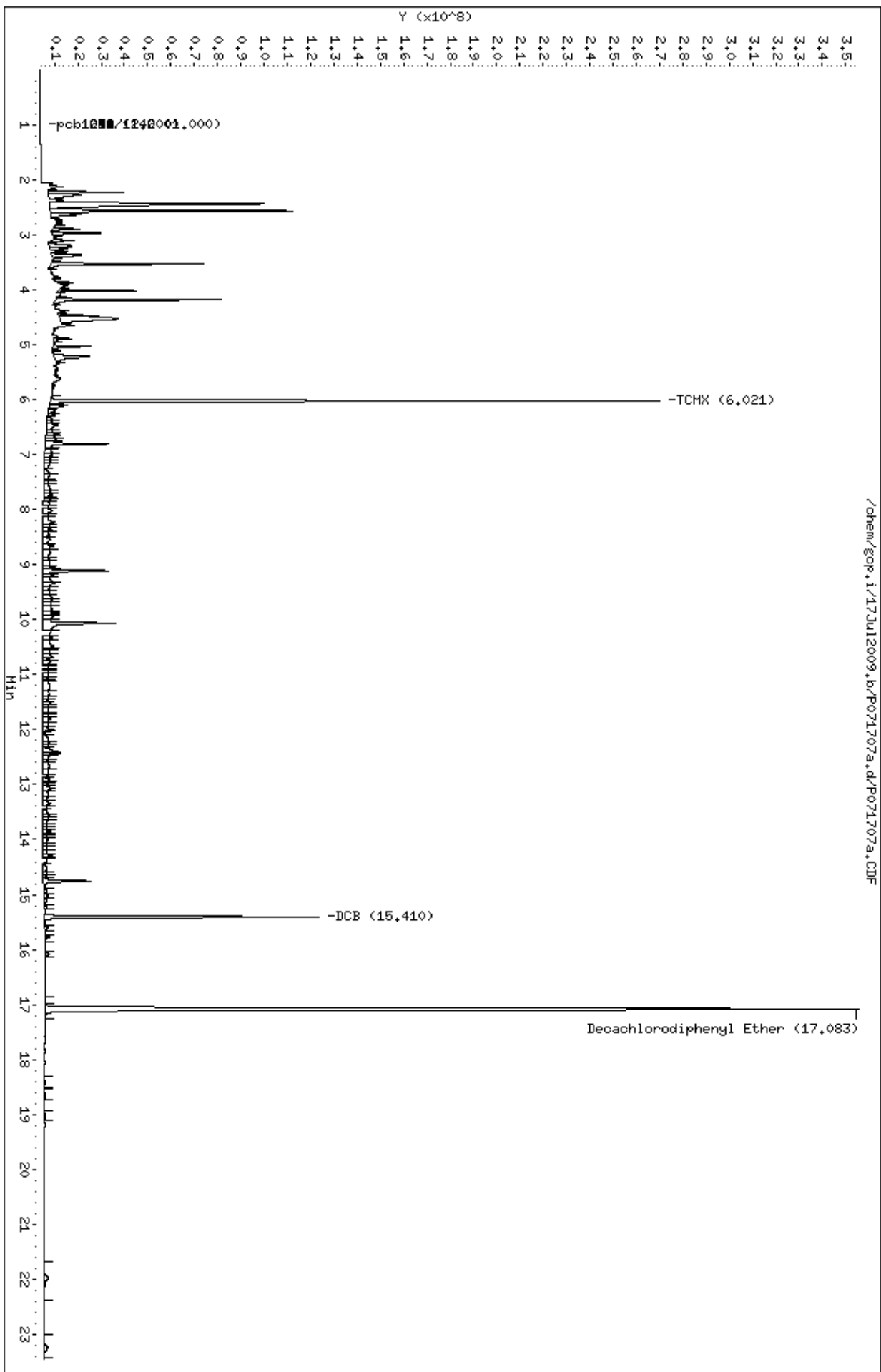
Sample Info:

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/17Jul2009.b/P071707b.d
Lab Smp Id: 0907167A-04A
Inj Date : 17-JUL-2009 20:47
Operator : rnInst ID: gcp.i
Smp Info :
Misc Info : None
Comment : Back column, Rtx-CLPesticides
Method : /chem/gcp.i/17Jul2009.b/p0910519.m/p0920519.m
Meth Date : 20-Jul-2009 08:54 lzhangQuant Type: ISTD
Cal Date : 19-MAY-2009 20:37Cal File: P051912b.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: all.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

		CONCENTRATIONS					
					ON-COLUMN	FINAL	
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		5.822	5.828	(0.371)	3067749311	0.43715	0.4371
M 3 toxaphene		Compound Not Detected.					
4 toxaphene-1		Compound Not Detected.					
5 toxaphene-2		Compound Not Detected.					
6 toxaphene-3		Compound Not Detected.					
7 toxaphene-4		Compound Not Detected.					
8 a-BHC		Compound Not Detected.					
9 g-BHC		Compound Not Detected.					
10 b-BHC		Compound Not Detected.					
11 d-BHC		Compound Not Detected.					
12 Heptachlor		Compound Not Detected.					
13 Aldrin		Compound Not Detected.					
14 Heptachlor Epoxide		Compound Not Detected.					
15 g-Chlordane		Compound Not Detected.					
16 a-Chlordane		Compound Not Detected.					
17 DDE		Compound Not Detected.					
18 Endosulfan I		Compound Not Detected.					
19 Dieldrin		Compound Not Detected.					
20 Endrin		Compound Not Detected.					
21 DDD		Compound Not Detected.					
22 Endosulfan II		Compound Not Detected.					

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN	FINAL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
23 DDT				Compound Not Detected.		
24 Endrin Aldehyde				Compound Not Detected.		
25 Methoxychlor				Compound Not Detected.		
168 Mirex				Compound Not Detected.		
26 Endosulfan Sulfate				Compound Not Detected.		
27 Endrin Ketone				Compound Not Detected.		
\$ 28 DCB	14.379	14.377	(0.916)	2377183938	0.42416	0.4242
* 29 Decachlorodiphenyl Ether	15.697	15.697	(1.000)	8904294198	2.00000	

		CONCENTRATIONS				
		ON-COLUMN			FINAL	
Compounds		RT	EXP RT	REL RT	RESPONSE	
=====		==	=====	=====	=====	=====
	17 pcb1221-4		Compound	Not Detected.		
M	18 pcb1232		Compound	Not Detected.		
	19 pcb1232-1		Compound	Not Detected.		
	20 pcb1232-2		Compound	Not Detected.		
	21 pcb1232-3		Compound	Not Detected.		
	22 pcb1232-4		Compound	Not Detected.		
M	28 pcb1248		Compound	Not Detected.		
	29 pcb1248-1		Compound	Not Detected.		
	30 pcb1248-2		Compound	Not Detected.		
	31 pcb1248-3		Compound	Not Detected.		
	32 pcb1248-4		Compound	Not Detected.		
M	33 pcb1254		Compound	Not Detected.		
	34 pcb1254-1		Compound	Not Detected.		
	35 pcb1254-2		Compound	Not Detected.		
	36 pcb1254-3		Compound	Not Detected.		
	37 pcb1254-4		Compound	Not Detected.		
\$	38 DCB	14.379	14.378	(0.916)	2388537150	0.49202 0.492
*	39 Decachlorodiphenyl Ether	15.697	15.697	(1.000)	8951790385	2.00000

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 17-JUL-2009

Lab File ID: P071707b.d

Calibration Time: 18:55

Lab Smp Id: 0907167A-04A

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: rn

Method File: /chem/gcp.i/17Jul2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	8768828706	4384414353	17537657412	8904294198	1.54

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 17-JUL-2009

Lab File ID: P071707ab.d

Calibration Time: 19:41

Lab Smp Id: 0907167A-04A

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: rn

Method File: /chem/gcp.i/17Jul2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	8301083065	4150541532	16602166129	8951790385	7.84

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 17Jul2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 0907167A-04A	
Level: LOW	Operator: rn
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all.sub	
Method File: /chem/gcp.i/17Jul2009.b/p0910519.m/p0920519.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.6000	0.4371	72.86	60-120
\$ 28 DCB	0.6000	0.4242	70.69	60-120

Air Toxics Ltd.

RECOVERY REPORT

Client Name:

Sample Matrix: GAS

Lab Smp Id: 0907167A-04A

Level: LOW

Data Type: GC DATA

SpikeList File:

Sublist File: all_42.sub

Method File: /chem/gcp.i/17Jul2009.b/p09p0522.m/p09b0522.m

Misc Info: None

Client SDG: 17Jul2009

Fraction: VOA

Operator: rn

SampleType: SAMPLE

Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$ 2 TCMX	0.600	0.485	80.90	60-120
\$ 38 DCB	0.600	0.492	82.00	60-120

Data File: /chem/gcp.i/17Jul2009.b/P071707b.d

Date : 17-JUL-2009 20:47

Client ID:

Sample Info:

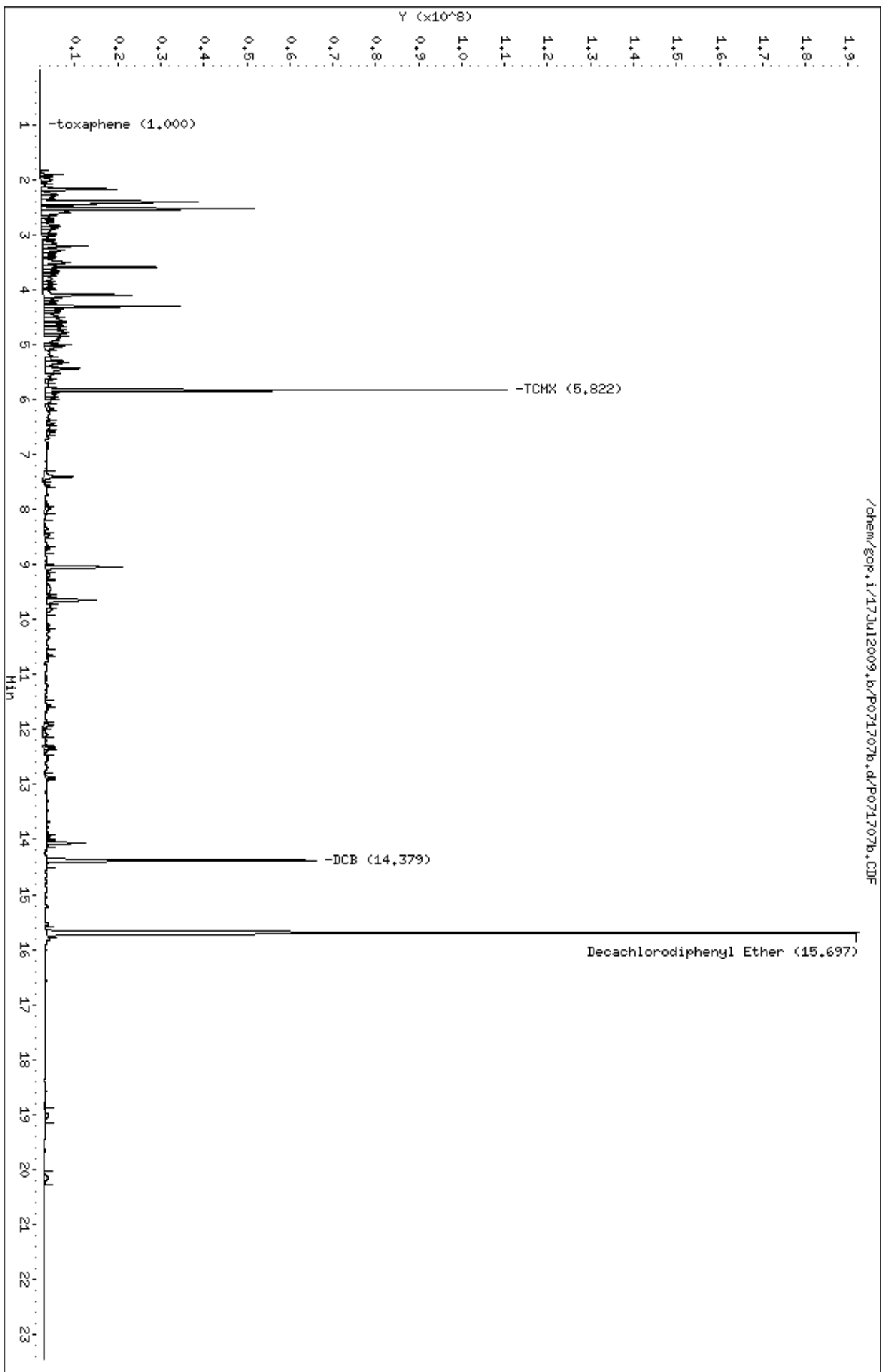
Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00

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Data File: /chem/gcp,i/17Jul2009,b/P071707ab.d

Date : 17-JUL-2009 20:47

Client ID:

Sample Info:

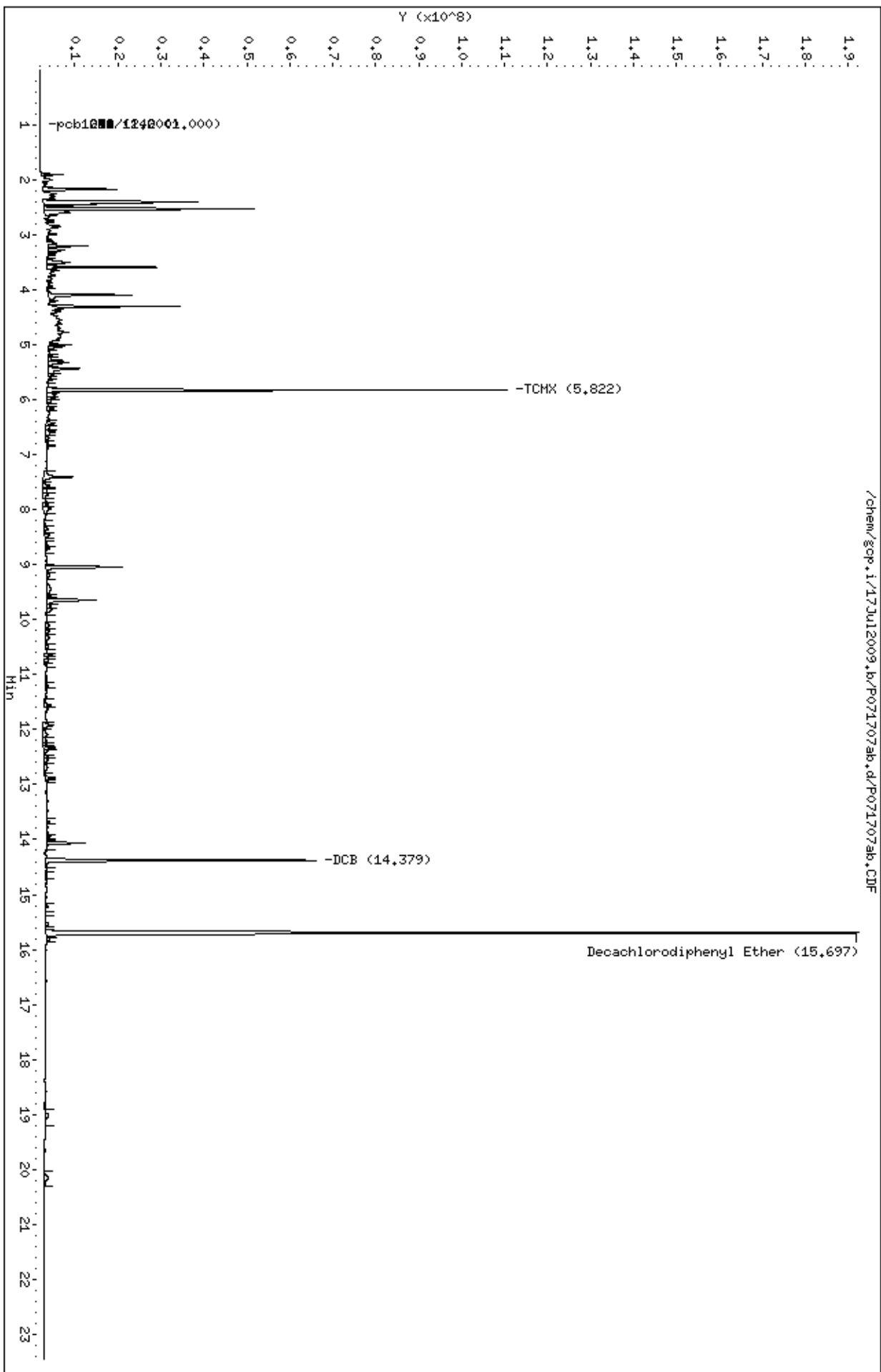
Column phase:

Instrument: gcp,i

Operator: m

Column diameter: 2.00

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Summary of Detected Compounds MODIFIED EPA METHOD TO-4A GC/ECD

Client Sample ID: OFF03-070709BS

Lab ID#: 0907167A-07A

No Detections Were Found.

Client Sample ID: OFF03-070709BS

Lab ID#: 0907167A-07A

MODIFIED EPA METHOD TO-4A GC/ECD

File Name:	P071621	Date of Collection: 7/7/09 1/1/1990
Dil. Factor:	1.00	Date of Analysis: 7/16/09 08:34 PM
		Date of Extraction: 7/10/09

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Aldrin	0.10	0.0011	Not Detected	Not Detected
alpha-BHC	0.10	0.0011	Not Detected	Not Detected
beta-BHC	0.10	0.0011	Not Detected	Not Detected
delta-BHC	0.10	0.0011	Not Detected	Not Detected
gamma-BHC (Lindane)	0.10	0.0011	Not Detected	Not Detected
alpha-Chlordane	0.10	0.0011	Not Detected	Not Detected
gamma-Chlordane	0.10	0.0011	Not Detected	Not Detected
4,4'-DDD	0.10	0.0011	Not Detected	Not Detected
4,4'-DDE	0.10	0.0011	Not Detected	Not Detected
4,4'-DDT	0.10	0.0011	Not Detected	Not Detected
Dieldrin	0.10	0.0011	Not Detected	Not Detected
Endosulfan I	0.10	0.0011	Not Detected	Not Detected
Endosulfan II	0.10	0.0011	Not Detected	Not Detected
Endosulfan Sulfate	0.10	0.0011	Not Detected	Not Detected
Endrin	0.10	0.0011	Not Detected	Not Detected
Endrin Aldehyde	0.10	0.0011	Not Detected	Not Detected
Endrin Ketone	0.10	0.0011	Not Detected	Not Detected
Heptachlor	0.10	0.0011	Not Detected	Not Detected
Heptachlor Epoxide	0.10	0.0011	Not Detected	Not Detected
4,4'-Methoxychlor	1.0	0.011	Not Detected	Not Detected
Toxaphene	1.0	0.011	Not Detected	Not Detected
Aroclor 1016/1242	1.0	0.011	Not Detected	Not Detected
Aroclor-1221	1.0	0.011	Not Detected	Not Detected
Aroclor-1232	1.0	0.011	Not Detected	Not Detected
Aroclor-1248	1.0	0.011	Not Detected	Not Detected
Aroclor-1254	1.0	0.011	Not Detected	Not Detected
Aroclor-1260	1.0	0.011	Not Detected	Not Detected

Air Sample Volume(L): 90000

Aroclors were reported from file #P071621a, analyzed on 7/16/09 with a dilution factor of 1.00.

Container Type: PUF Cartridge

Surrogates	%Recovery	Method Limits
2,4,5,6-Tetrachloro-m-xylene	83	60-120
Decachlorobiphenyl	72	60-120

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071621.d

Lab Smp Id: 0907167A-07A

Inj Date : 17-JUL-2009 03:34

Operator : lz

Inst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Front column, Rtx-CLPesticides II

Method : /chem/qcp.i/16Jul2009.b/p0910519.m

Meth Date : 16-Jul-2009 16:09 lzhang Quant Type: ISTD

Cal Date : 19-MAY-2009 20:37 Cal File: P051912.d

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====		==	=====	=====	=====	=====	=====
\$	2 TCMX	6.010	6.012	(0.352)	9326440563	0.50034	0.5003
M	3 toxaphene	Compound Not Detected.					
	4 toxaphene-1	Compound Not Detected.					
	5 toxaphene-2	Compound Not Detected.					
	6 toxaphene-3	Compound Not Detected.					
	7 toxaphene-4	Compound Not Detected.					
	8 a-BHC	Compound Not Detected.					
	9 g-BHC	Compound Not Detected.					
	10 b-BHC	Compound Not Detected.					
	11 d-BHC	Compound Not Detected.					
	12 Heptachlor	Compound Not Detected.					
	13 Aldrin	Compound Not Detected.					
	14 Heptachlor Epoxide	Compound Not Detected.					
	15 g-Chlordane	Compound Not Detected.					
	16 a-Chlordane	Compound Not Detected.					
	17 Endosulfan I	Compound Not Detected.					
	18 DDE	Compound Not Detected.					
	19 Dieldrin	Compound Not Detected.					
	20 Endrin	Compound Not Detected.					
	21 DDD	Compound Not Detected.					
	22 Endosulfan II	Compound Not Detected.					

					CONCENTRATIONS	
Compounds	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ug)	FINAL (ug)
=====	==	=====	=====	=====	=====	=====
23 DDT		Compound	Not Detected.			
24 Endrin Aldehyde		Compound	Not Detected.			
25 Endosulfan Sulfate		Compound	Not Detected.			
26 Methoxychlor		Compound	Not Detected.			
169 Mirex		Compound	Not Detected.			
27 Endrin Ketone		Compound	Not Detected.			
\$ 28 DCB	15.401	15.404	(0.902)	5069398964	0.43108	0.4311
* 29 Decachlorodiphenyl Ether	17.073	17.076	(1.000)	19247378546	2.00000	

Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/16Jul2009.b/P071621a.d
Lab Smp Id: 0907167A-07A
Inj Date : 17-JUL-2009 03:34
Operator : lzInst ID: gcp.i
Smp Info :
Misc Info : None
Comment : Rtx-CLPesticide II
Method : /chem/gcp.i/16Jul2009.b/p09p0522.m
Meth Date : 16-Jul-2009 15:45 lzhangQuant Type: ISTD
Cal Date : 22-MAY-2009 19:06Cal File: P052203.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: all_42.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd VariableLocal Compound Variable

		CONCENTRATIONS					
					ON-COLUMN	FINAL	
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		6.010	6.026	(0.352)	9012443831	0.61017	0.610
M 3 pcb1016/1242		Compound Not Detected.					
4 pcb1016/1242-1		Compound Not Detected.					
5 pcb1016/1242-2		Compound Not Detected.					
6 pcb1016/1242-3		Compound Not Detected.					
7 pcb1016/1242-4		Compound Not Detected.					
M 8 pcb1260		Compound Not Detected.					
9 pcb1260-1		Compound Not Detected.					
10 pcb1260-2		Compound Not Detected.					
11 pcb1260-3		Compound Not Detected.					
12 pcb1260-4		Compound Not Detected.					
M 13 pcb1221		Compound Not Detected.					
14 pcb1221-1		Compound Not Detected.					
15 pcb1221-2		Compound Not Detected.					
16 pcb1221-3		Compound Not Detected.					

		CONCENTRATIONS				
		ON-COLUMN			FINAL	
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====	==	=====	=====	=====	=====	=====
17 pcb1221-4		Compound	Not	Detected.		
M 18 pcb1232		Compound	Not	Detected.		
19 pcb1232-1		Compound	Not	Detected.		
20 pcb1232-2		Compound	Not	Detected.		
21 pcb1232-3		Compound	Not	Detected.		
22 pcb1232-4		Compound	Not	Detected.		
M 28 pcb1248		Compound	Not	Detected.		
29 pcb1248-1		Compound	Not	Detected.		
30 pcb1248-2		Compound	Not	Detected.		
31 pcb1248-3		Compound	Not	Detected.		
32 pcb1248-4		Compound	Not	Detected.		
M 33 pcb1254		Compound	Not	Detected.		
34 pcb1254-1		Compound	Not	Detected.		
35 pcb1254-2		Compound	Not	Detected.		
36 pcb1254-3		Compound	Not	Detected.		
37 pcb1254-4		Compound	Not	Detected.		
\$ 38 DCB	15.401	15.417	(0.902)	4899110646	0.49376	0.494
* 39 Decachlorodiphenyl Ether	17.073	17.092	(1.000)	18945453568	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071621.d

Calibration Time: 22:40

Lab Smp Id: 0907167A-07A

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	18282434903	9141217451	36564869805	19247378546	5.28

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.08	16.58	17.58	17.07	-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.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071621a.d

Calibration Time: 22:13

Lab Smp Id: 0907167A-07A

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	19448493630	9724246815	38896987259	18945453568	-2.59

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	17.09	16.59	17.59	17.07	-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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 0907167A-07A	
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all.sub	
Method File: /chem/gcp.i/16Jul2009.b/p0910519.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.6000	0.5003	83.39	60-120
\$ 28 DCB	0.6000	0.4311	71.85	60-120

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction: VOA
Lab Smp Id: 0907167A-07A	
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all_42.sub	
Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$ 2 TCMX	0.600	0.610	101.69	60-120
\$ 38 DCB	0.600	0.494	82.29	60-120

Data File: /chem/gcp.i/071009T04.b/P071621.d

Date : 17-JUL-2009 03:34

Client ID:

Sample Info:

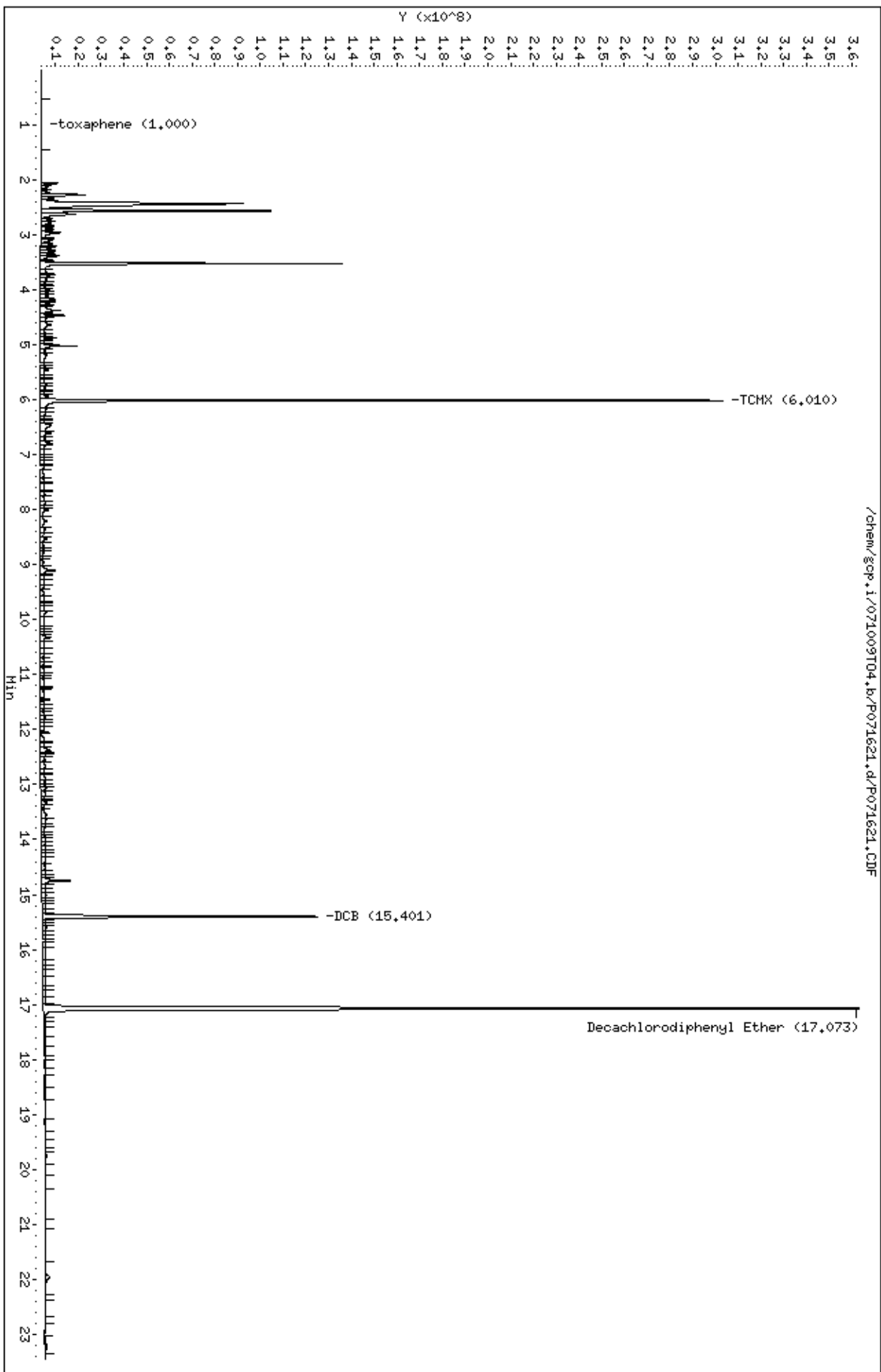
Column phase:

Instrument: gcp.i

Operator: lz

Column diameter: 2.00

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Data File: /chem/gcp.i/16Jul2009.b/P071621a.d

Date : 17-JUL-2009 03:34

Client ID:

Sample Info:

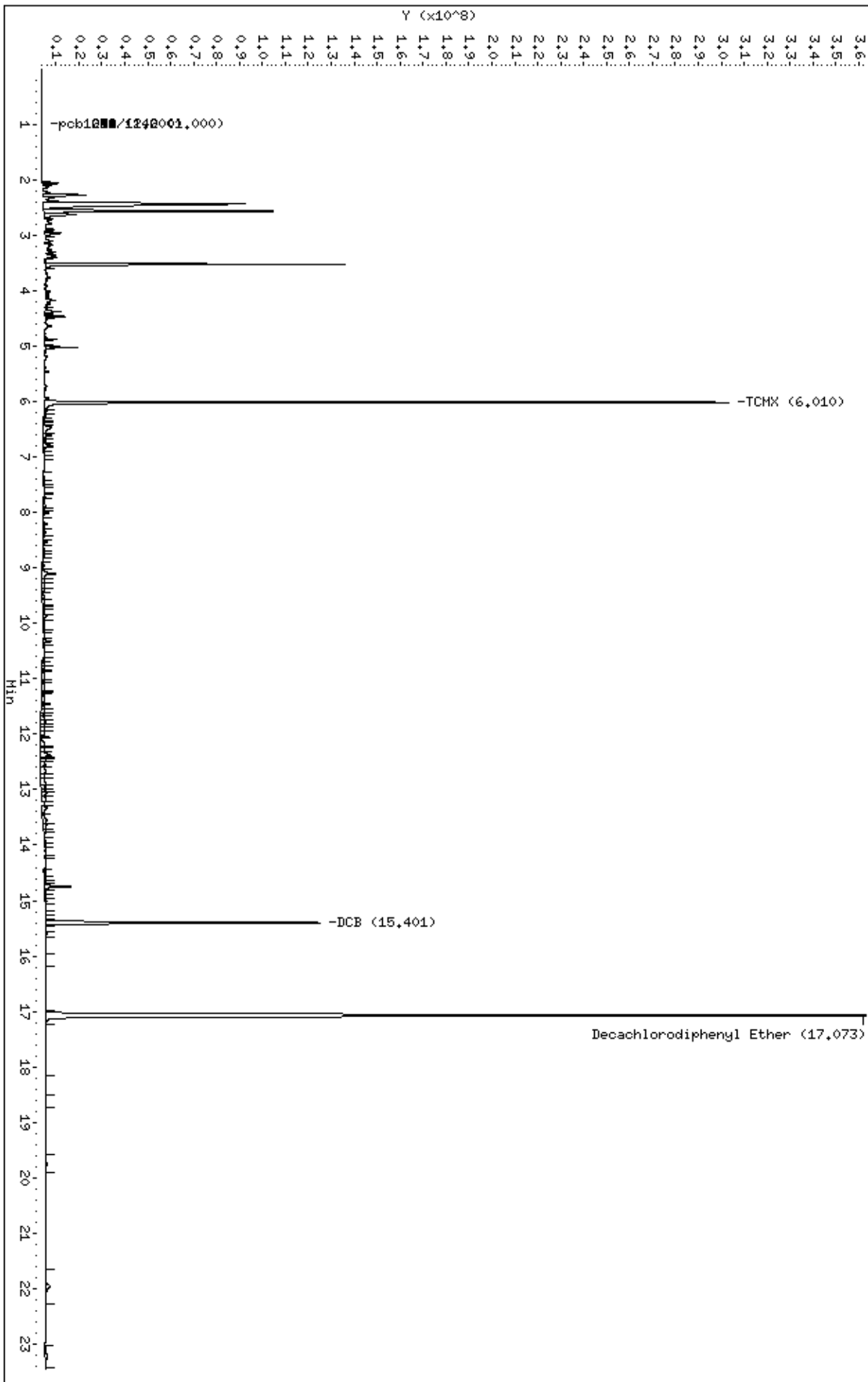
Instrument: gcp.i

Operator: iz

Column diameter: 2.00

Column phase:

/chem/gcp.i/16Jul2009.b/P071621a.d/P071621a.CMF



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071621b.d

Lab Smp Id: 0907167A-07A

Inj Date : 17-JUL-2009 03:34

Operator : lz

Inst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Back column, Rtx-CLPesticides

Method : /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m

Meth Date : 16-Jul-2009 16:09 lzhang Quant Type: ISTD

Cal Date : 19-MAY-2009 20:37 Cal File: P051912b.d

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====		==	=====	=====	=====	=====	=====
\$	2 TCMX	5.832	5.830	(0.371)	3400179490	0.49043	0.4904
M	3 toxaphene	Compound Not Detected.					
	4 toxaphene-1	Compound Not Detected.					
	5 toxaphene-2	Compound Not Detected.					
	6 toxaphene-3	Compound Not Detected.					
	7 toxaphene-4	Compound Not Detected.					
	8 a-BHC	Compound Not Detected.					
	9 g-BHC	Compound Not Detected.					
	10 b-BHC	Compound Not Detected.					
	11 d-BHC	Compound Not Detected.					
	12 Heptachlor	Compound Not Detected.					
	13 Aldrin	Compound Not Detected.					
	14 Heptachlor Epoxide	Compound Not Detected.					
	15 g-Chlordane	Compound Not Detected.					
	16 a-Chlordane	Compound Not Detected.					
	17 DDE	Compound Not Detected.					
	18 Endosulfan I	Compound Not Detected.					
	19 Dieldrin	Compound Not Detected.					
	20 Endrin	Compound Not Detected.					
	21 DDD	Compound Not Detected.					
	22 Endosulfan II	Compound Not Detected.					

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds	RT	EXP RT	REL RT	RESPONSE		(ug)	(ug)
=====	==	=====	=====	=====		=====	=====
23 DDT		Compound Not Detected.					
24 Endrin Aldehyde		Compound Not Detected.					
25 Methoxychlor		Compound Not Detected.					
168 Mirex		Compound Not Detected.					
26 Endosulfan Sulfate		Compound Not Detected.					
27 Endrin Ketone		Compound Not Detected.					
\$ 28 DCB	14.380	14.379	(0.916)	2439532210		0.44060	0.4406
* 29 Decachlorodiphenyl Ether	15.700	15.699	(1.000)	8796950790		2.00000	

Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/16Jul2009.b/P071621ab.d

Lab Smp Id: 0907167A-07A

Inj Date : 17-JUL-2009 03:34

Operator : lz

Smp Info :

Misc Info : None

Comment : Rtx-CLPesticide

Method : /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m

Meth Date : 16-Jul-2009 15:45 lzhang

Cal Date : 22-MAY-2009 23:59

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie

Target Version: 3.50

Processing Host: eeyore

Inst ID: gcp.i

Quant Type: ISTD

Cal File: P052214b.d

Compound Sublist: all_42.sub

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS					
					ON-COLUMN	FINAL	
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		5.832	5.821	(0.371)	3395014467	0.55386	0.554
M 3 pcb1016/1242		Compound Not Detected.					
4 pcb1016/1242-1		Compound Not Detected.					
5 pcb1016/1242-2		Compound Not Detected.					
6 pcb1016/1242-3		Compound Not Detected.					
7 pcb1016/1242-4		Compound Not Detected.					
M 8 pcb1260		Compound Not Detected.					
9 pcb1260-1		Compound Not Detected.					
10 pcb1260-2		Compound Not Detected.					
11 pcb1260-3		Compound Not Detected.					
12 pcb1260-4		Compound Not Detected.					
M 13 pcb1221		Compound Not Detected.					
14 pcb1221-1		Compound Not Detected.					
15 pcb1221-2		Compound Not Detected.					
16 pcb1221-3		Compound Not Detected.					

		CONCENTRATIONS				
		ON-COLUMN			FINAL	
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====	==	=====	=====	=====	=====	=====
17 pcb1221-4		Compound	Not Detected.			
M 18 pcb1232		Compound	Not Detected.			
19 pcb1232-1		Compound	Not Detected.			
20 pcb1232-2		Compound	Not Detected.			
21 pcb1232-3		Compound	Not Detected.			
22 pcb1232-4		Compound	Not Detected.			
M 28 pcb1248		Compound	Not Detected.			
29 pcb1248-1		Compound	Not Detected.			
30 pcb1248-2		Compound	Not Detected.			
31 pcb1248-3		Compound	Not Detected.			
32 pcb1248-4		Compound	Not Detected.			
M 33 pcb1254		Compound	Not Detected.			
34 pcb1254-1		Compound	Not Detected.			
35 pcb1254-2		Compound	Not Detected.			
36 pcb1254-3		Compound	Not Detected.			
37 pcb1254-4		Compound	Not Detected.			
\$ 38 DCB	14.380	14.378	(0.916)	2440008969	0.51097	0.511
* 39 Decachlorodiphenyl Ether	15.700	15.698	(1.000)	8805668128	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.iCalibration Date: 16-JUL-2009

Lab File ID: P071621b.dCalibration Time: 22:40

Lab Smp Id: 0907167A-07A

Analysis Type:Level: LOW

Quant Type: ISTDSample Type: AIR

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	8225164566	4112582283	16450329131	8796950790	6.95

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071621ab.d

Calibration Time: 22:13

Lab Smp Id: 0907167A-07A

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	8678794631	4339397315	17357589261	8805668128	1.46

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 0907167A-07A	
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all.sub	
Method File: /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.6000	0.4904	81.74	60-120
\$ 28 DCB	0.6000	0.4406	73.43	60-120

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction: VOA
Lab Smp Id: 0907167A-07A	
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all_42.sub	
Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$ 2 TCMX	0.600	0.554	92.31	60-120
\$ 38 DCB	0.600	0.511	85.16	60-120

Data File: /chem/gcp.i/16Jul2009.b/P071621b.d

Date : 17-JUL-2009 03:34

Client ID:

Sample Info:

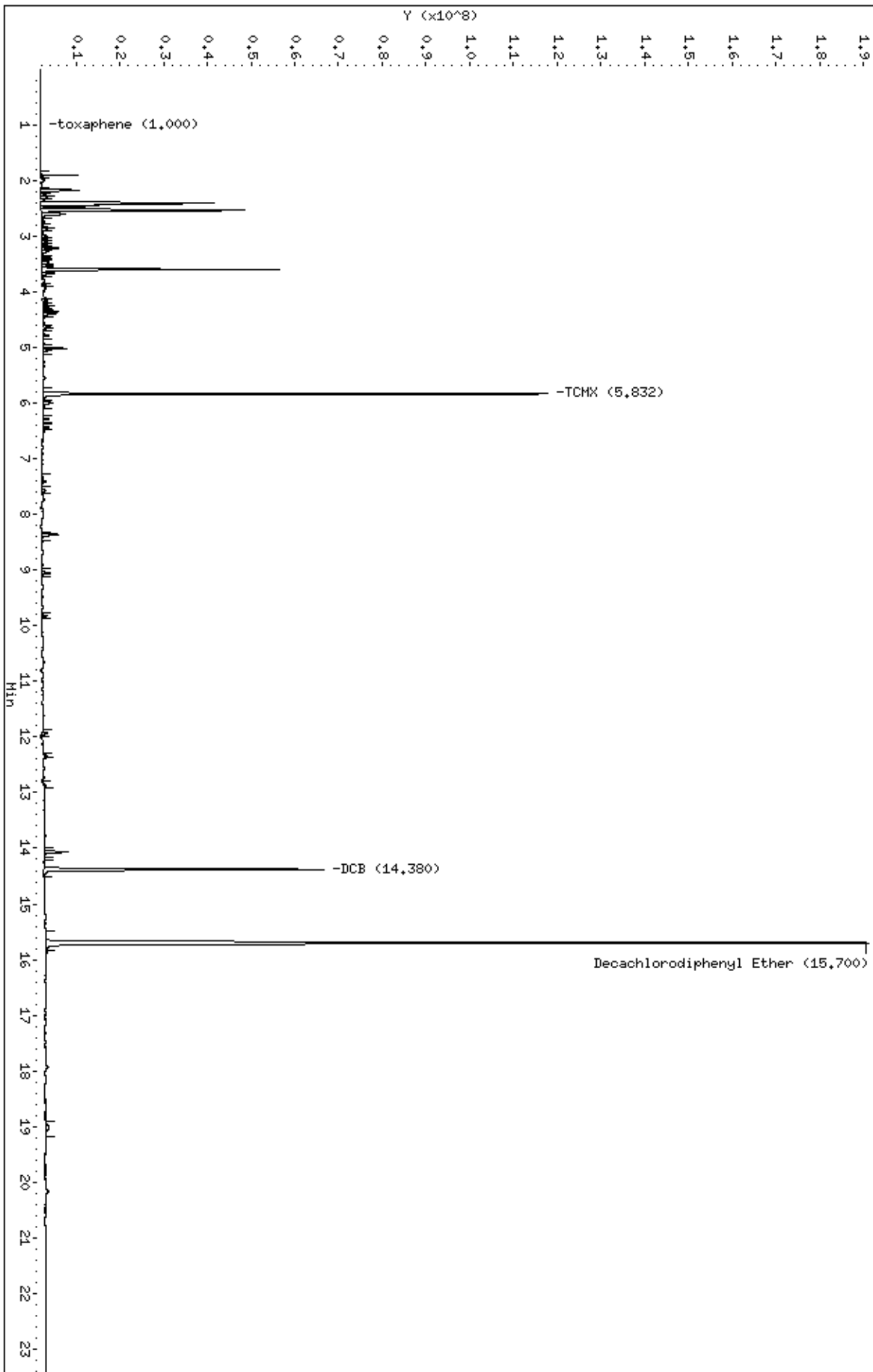
Column phase:

Instrument: gcp.i

Operator: iz

Column diameter: 2.00

/chem/gcp.i/16Jul2009.b/P071621b.d/P071621b.CMF



Data File: /chem/gcp,i/16Jul2009,b/P071621ab.d

Date : 17-JUL-2009 03:34

Client ID:

Sample Info:

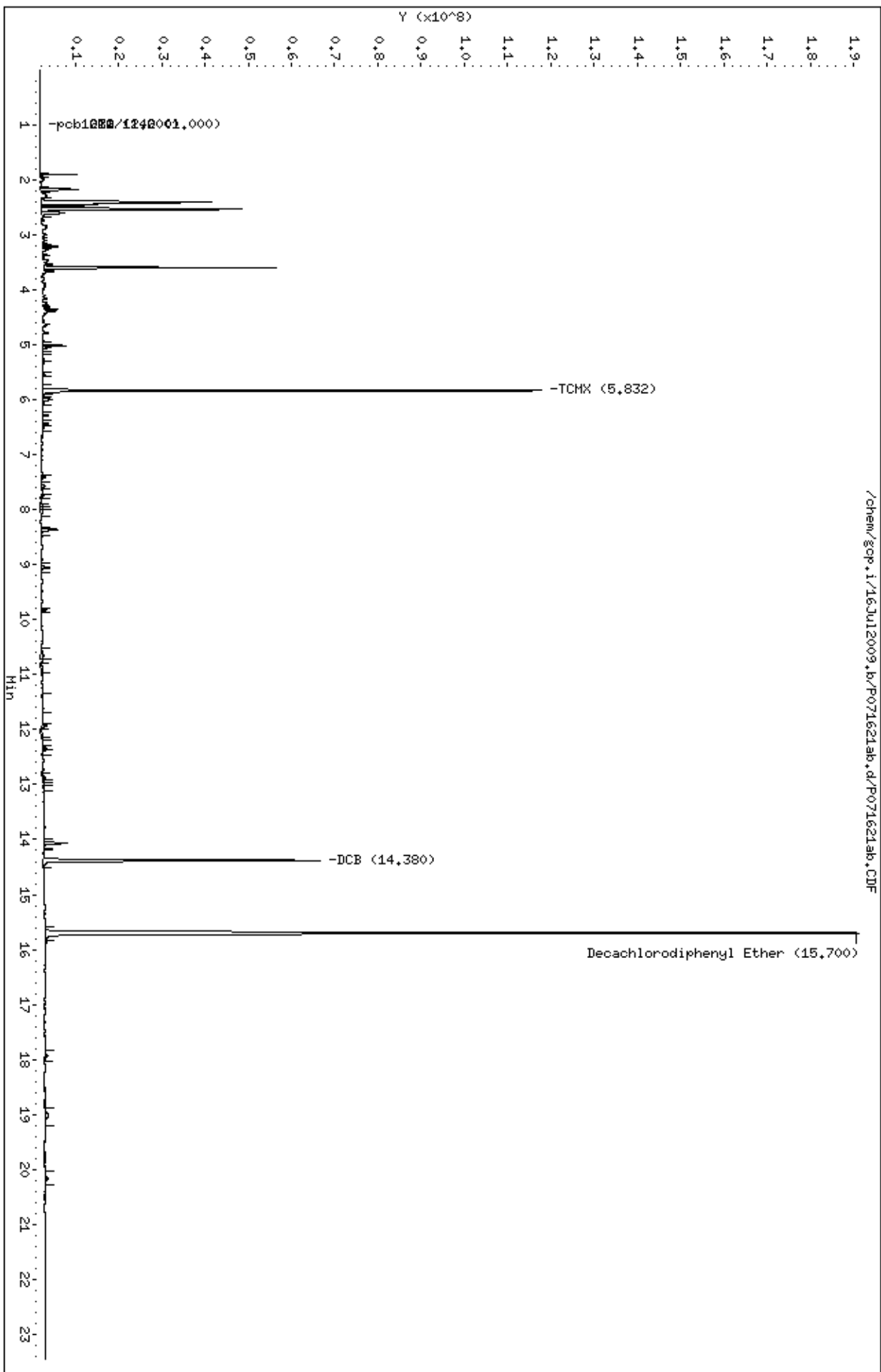
Column phase:

Instrument: gcp,i

Operator: iz

Column diameter: 2.00

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QC Results and Raw Data

Client Sample ID: Lab Blank

Lab ID#: 0907167A-08A

MODIFIED EPA METHOD TO-4A GC/ECD

File Name:	P071615	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/16/09 05:54 PM
		Date of Extraction: 7/10/09

Compound	Rpt. Limit (ug)	Rpt. Limit (ug/m3)	Amount (ug)	Amount (ug/m3)
Aldrin	0.10	0.0011	Not Detected	Not Detected
alpha-BHC	0.10	0.0011	Not Detected	Not Detected
beta-BHC	0.10	0.0011	Not Detected	Not Detected
delta-BHC	0.10	0.0011	Not Detected	Not Detected
gamma-BHC (Lindane)	0.10	0.0011	Not Detected	Not Detected
alpha-Chlordane	0.10	0.0011	Not Detected	Not Detected
gamma-Chlordane	0.10	0.0011	Not Detected	Not Detected
4,4'-DDD	0.10	0.0011	Not Detected	Not Detected
4,4'-DDE	0.10	0.0011	Not Detected	Not Detected
4,4'-DDT	0.10	0.0011	Not Detected	Not Detected
Dieldrin	0.10	0.0011	Not Detected	Not Detected
Endosulfan I	0.10	0.0011	Not Detected	Not Detected
Endosulfan II	0.10	0.0011	Not Detected	Not Detected
Endosulfan Sulfate	0.10	0.0011	Not Detected	Not Detected
Endrin	0.10	0.0011	Not Detected	Not Detected
Endrin Aldehyde	0.10	0.0011	Not Detected	Not Detected
Endrin Ketone	0.10	0.0011	Not Detected	Not Detected
Heptachlor	0.10	0.0011	Not Detected	Not Detected
Heptachlor Epoxide	0.10	0.0011	Not Detected	Not Detected
4,4'-Methoxychlor	1.0	0.011	Not Detected	Not Detected
Toxaphene	1.0	0.011	Not Detected	Not Detected
Aroclor 1016/1242	1.0	0.011	Not Detected	Not Detected
Aroclor-1221	1.0	0.011	Not Detected	Not Detected
Aroclor-1232	1.0	0.011	Not Detected	Not Detected
Aroclor-1248	1.0	0.011	Not Detected	Not Detected
Aroclor-1254	1.0	0.011	Not Detected	Not Detected
Aroclor-1260	1.0	0.011	Not Detected	Not Detected

Air Sample Volume(L): 90000

Aroclors were reported from file #P071615a, analyzed on 7/16/09 with a dilution factor of 1.00.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
2,4,5,6-Tetrachloro-m-xylene	80	60-120
Decachlorobiphenyl	76	60-120

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071615.d

Lab Smp Id: 0907167A/168A

Client Smp ID: Lab Blank

Inj Date : 17-JUL-2009 00:54

Operator : lz

Inst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Front column, Rtx-CLPesticides II

Method : /chem/gcp.i/16Jul2009.b/p0910519.m

Meth Date : 16-Jul-2009 16:09 lzhang

Quant Type: ISTD

Cal Date : 19-MAY-2009 20:37

Cal File: P051912.d

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS				
					ON-COLUMN	FINAL
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug)
=====		==	=====	=====	=====	=====
\$ 2 TCMX		6.011	6.012	(0.352)	9066978996	0.48281
M 3 toxaphene		Compound Not Detected.				
4 toxaphene-1		Compound Not Detected.				
5 toxaphene-2		Compound Not Detected.				
6 toxaphene-3		Compound Not Detected.				
7 toxaphene-4		Compound Not Detected.				
8 a-BHC		Compound Not Detected.				
9 g-BHC		Compound Not Detected.				
10 b-BHC		Compound Not Detected.				
11 d-BHC		Compound Not Detected.				
12 Heptachlor		Compound Not Detected.				
13 Aldrin		Compound Not Detected.				
14 Heptachlor Epoxide		Compound Not Detected.				
15 g-Chlordane		Compound Not Detected.				
16 a-Chlordane		Compound Not Detected.				
17 Endosulfan I		Compound Not Detected.				
18 DDE		Compound Not Detected.				
19 Dieldrin		Compound Not Detected.				
20 Endrin		Compound Not Detected.				
21 DDD		Compound Not Detected.				
22 Endosulfan II		Compound Not Detected.				

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
23 DDT		Compound Not Detected.				
24 Endrin Aldehyde		Compound Not Detected.				
25 Endosulfan Sulfate		Compound Not Detected.				
26 Methoxychlor		Compound Not Detected.				
169 Mirex		Compound Not Detected.				
27 Endrin Ketone		Compound Not Detected.				
\$ 28 DCB	15.403	15.404	(0.902)	5398156465	0.45562	0.4556
* 29 Decachlorodiphenyl Ether	17.075	17.076	(1.000)	19391388408	2.00000	

Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/16Jul2009.b/P071615a.d

Lab Smp Id: 0907167A/168A

Client Smp ID: Lab Blank

Inj Date : 17-JUL-2009 00:54

Operator : lz

Inst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/16Jul2009.b/p09p0522.m

Meth Date : 16-Jul-2009 15:45 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 19:06

Cal File: P052203.d

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all_42.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS					
					ON-COLUMN	FINAL	
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		6.011	6.026	(0.352)	8933398045	0.59471	0.595
M 3 pcb1016/1242		Compound Not Detected.					
4 pcb1016/1242-1		Compound Not Detected.					
5 pcb1016/1242-2		Compound Not Detected.					
6 pcb1016/1242-3		Compound Not Detected.					
7 pcb1016/1242-4		Compound Not Detected.					
M 8 pcb1260		Compound Not Detected.					
9 pcb1260-1		Compound Not Detected.					
10 pcb1260-2		Compound Not Detected.					
11 pcb1260-3		Compound Not Detected.					
12 pcb1260-4		Compound Not Detected.					
M 13 pcb1221		Compound Not Detected.					
14 pcb1221-1		Compound Not Detected.					
15 pcb1221-2		Compound Not Detected.					
16 pcb1221-3		Compound Not Detected.					

		CONCENTRATIONS				
		ON-COLUMN			FINAL	
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====	==	=====	=====	=====	=====	=====
17 pcb1221-4		Compound	Not	Detected.		
M 18 pcb1232		Compound	Not	Detected.		
19 pcb1232-1		Compound	Not	Detected.		
20 pcb1232-2		Compound	Not	Detected.		
21 pcb1232-3		Compound	Not	Detected.		
22 pcb1232-4		Compound	Not	Detected.		
M 28 pcb1248		Compound	Not	Detected.		
29 pcb1248-1		Compound	Not	Detected.		
30 pcb1248-2		Compound	Not	Detected.		
31 pcb1248-3		Compound	Not	Detected.		
32 pcb1248-4		Compound	Not	Detected.		
M 33 pcb1254		Compound	Not	Detected.		
34 pcb1254-1		Compound	Not	Detected.		
35 pcb1254-2		Compound	Not	Detected.		
36 pcb1254-3		Compound	Not	Detected.		
37 pcb1254-4		Compound	Not	Detected.		
\$ 38 DCB	15.403	15.417	(0.902)	5232353916	0.51854	0.518
* 39 Decachlorodiphenyl Ether	17.075	17.092	(1.000)	19267349313	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071615.d

Calibration Time: 22:40

Lab Smp Id: 0907167A/168A

Client Smp ID: Lab Blank

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	18282434903	9141217451	36564869805	19391388408	6.07

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.08	16.58	17.58	17.07	-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.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071615a.d

Calibration Time: 22:13

Lab Smp Id: 0907167A/168A

Client Smp ID: Lab Blank

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	19448493630	9724246815	38896987259	19267349313	-0.93
-----	-----	-----	-----	-----	-----

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	17.09	16.59	17.59	17.07	-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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 0907167A/168A	Client Smp ID: Lab Blank
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all.sub	
Method File: /chem/gcp.i/16Jul2009.b/p0910519.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.6000	0.4828	80.47	60-120
\$ 28 DCB	0.6000	0.4556	75.94	60-120

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction: VOA
Lab Smp Id: 0907167A/168A	Client Smp ID: Lab Blank
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all_42.sub	
Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$ 2 TCMX	0.600	0.595	99.12	60-120
\$ 38 DCB	0.600	0.518	86.42	60-120

Data File: /chem/gcp.i/071009T04.b/P071615.d

Date : 17-JUL-2009 00:54

Client ID: Lab Blank

Sample Info:

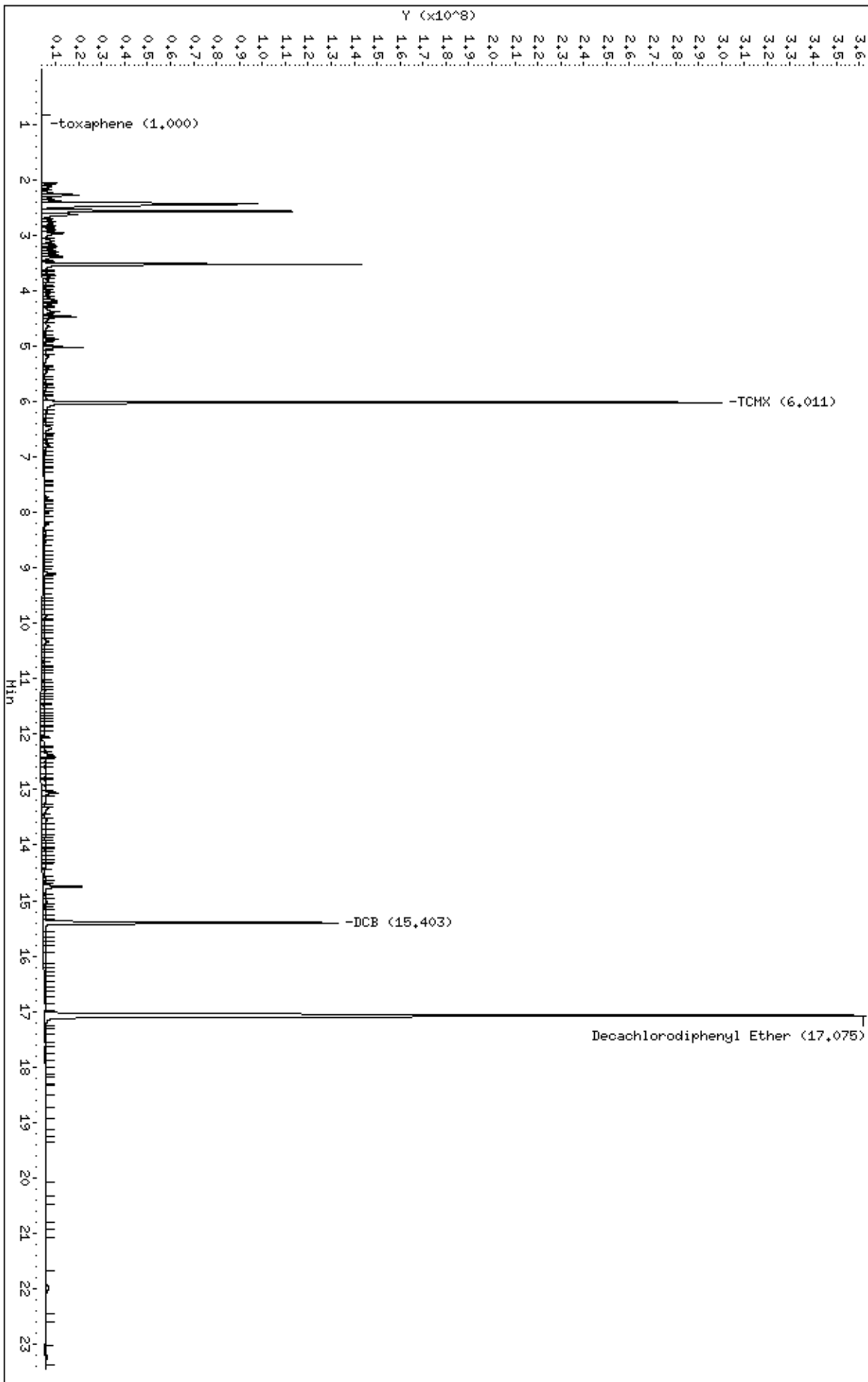
Instrument: gcp.i

Operator: lz

Column diameter: 2.00

Column phase:

/chem/gcp.i/071009T04.b/P071615.d/P071615.CDF



Data File: /chem/gcp.i/16Jul2009.b/P071615a.d

Date : 17-JUL-2009 00:54

Client ID: Lab Blank

Sample Info:

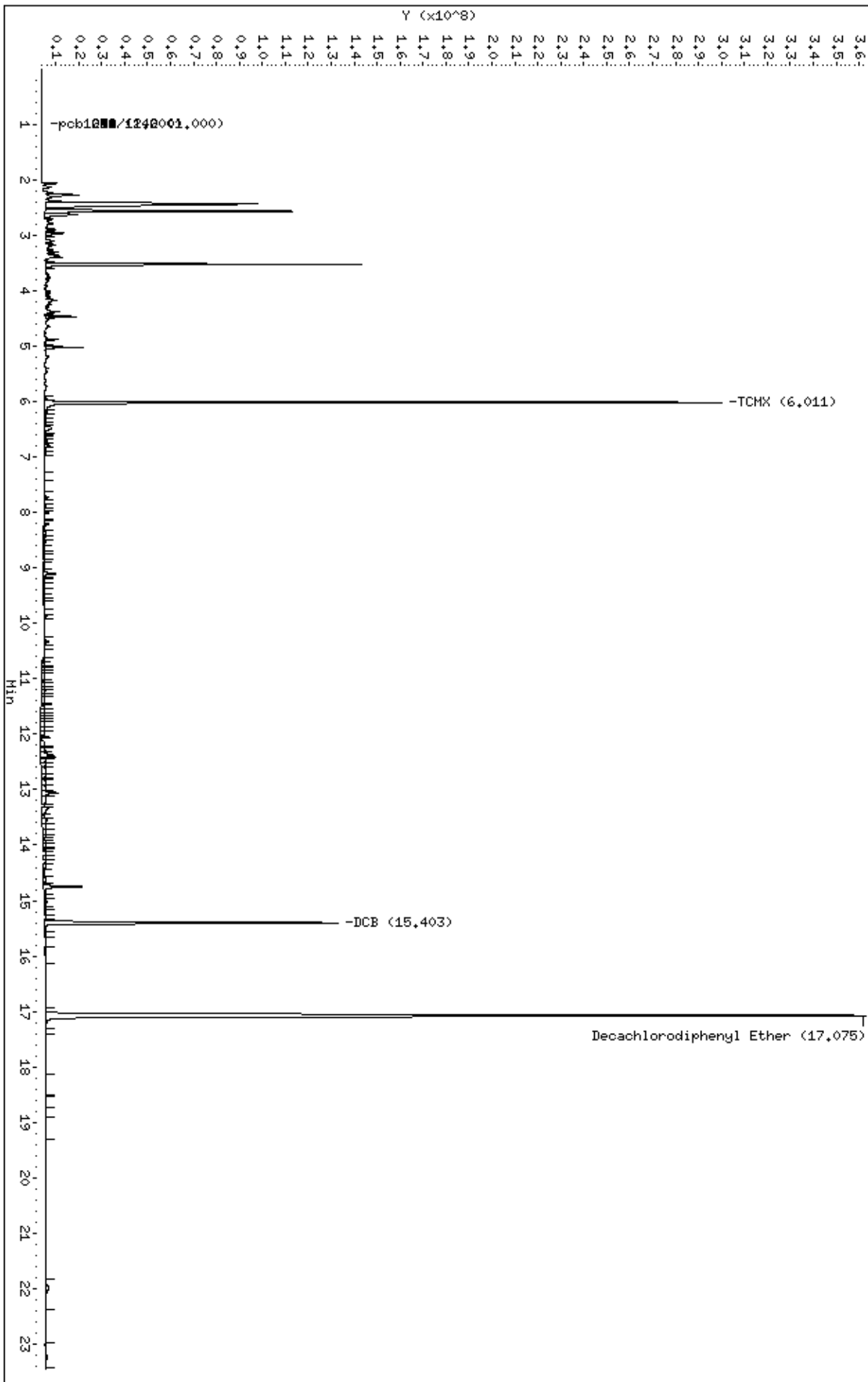
Instrument: gcp.i

Operator: lz

Column diameter: 2.00

Column phase:

/chem/gcp.i/16Jul2009.b/P071615a.d/P071615a.CDF



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071615b.d

Lab Smp Id: 0907167A/168A

Client Smp ID: Lab Blank

Inj Date : 17-JUL-2009 00:54

Operator : lz

Inst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Back column, Rtx-CLPesticides

Method : /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m

Meth Date : 16-Jul-2009 16:09 lzhang

Quant Type: ISTD

Cal Date : 19-MAY-2009 20:37

Cal File: P051912b.d

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS				
					ON-COLUMN	FINAL
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug)
=====		==	=====	=====	=====	=====
\$ 2 TCMX		5.832	5.830	(0.371)	3305994064	0.47679
M 3 toxaphene		Compound Not Detected.				
4 toxaphene-1		Compound Not Detected.				
5 toxaphene-2		Compound Not Detected.				
6 toxaphene-3		Compound Not Detected.				
7 toxaphene-4		Compound Not Detected.				
8 a-BHC		Compound Not Detected.				
9 g-BHC		Compound Not Detected.				
10 b-BHC		Compound Not Detected.				
11 d-BHC		Compound Not Detected.				
12 Heptachlor		Compound Not Detected.				
13 Aldrin		Compound Not Detected.				
14 Heptachlor Epoxide		Compound Not Detected.				
15 g-Chlordane		Compound Not Detected.				
16 a-Chlordane		Compound Not Detected.				
17 DDE		Compound Not Detected.				
18 Endosulfan I		Compound Not Detected.				
19 Dieldrin		Compound Not Detected.				
20 Endrin		Compound Not Detected.				
21 DDD		Compound Not Detected.				
22 Endosulfan II		Compound Not Detected.				

Compounds	CONCENTRATIONS					
	ON-COLUMN			FINAL		
	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
23 DDT	Compound Not Detected.					
24 Endrin Aldehyde	Compound Not Detected.					
25 Methoxychlor	Compound Not Detected.					
168 Mirex	Compound Not Detected.					
26 Endosulfan Sulfate	Compound Not Detected.					
27 Endrin Ketone	Compound Not Detected.					
\$ 28 DCB	14.381	14.379	(0.916)	2464181386	0.44499	0.4450
* 29 Decachlorodiphenyl Ether	15.702	15.699	(1.000)	8798043074	2.00000	

Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/16Jul2009.b/P071615ab.d

Lab Smp Id: 0907167A/168A

Client Smp ID: Lab Blank

Inj Date : 17-JUL-2009 00:54

Operator : lz

Inst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Rtx-CLPesticide

Method : /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m

Meth Date : 16-Jul-2009 15:45 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 23:59

Cal File: P052214b.d

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all_42.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS					
					ON-COLUMN	FINAL	
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		5.832	5.821	(0.371)	3307032630	0.53942	0.539
M 3 pcb1016/1242		Compound Not Detected.					
4 pcb1016/1242-1		Compound Not Detected.					
5 pcb1016/1242-2		Compound Not Detected.					
6 pcb1016/1242-3		Compound Not Detected.					
7 pcb1016/1242-4		Compound Not Detected.					
M 8 pcb1260		Compound Not Detected.					
9 pcb1260-1		Compound Not Detected.					
10 pcb1260-2		Compound Not Detected.					
11 pcb1260-3		Compound Not Detected.					
12 pcb1260-4		Compound Not Detected.					
M 13 pcb1221		Compound Not Detected.					
14 pcb1221-1		Compound Not Detected.					
15 pcb1221-2		Compound Not Detected.					
16 pcb1221-3		Compound Not Detected.					

		CONCENTRATIONS				
		ON-COLUMN			FINAL	
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====	==	=====	=====	=====	=====	=====
17 pcb1221-4		Compound	Not	Detected.		
M 18 pcb1232		Compound	Not	Detected.		
19 pcb1232-1		Compound	Not	Detected.		
20 pcb1232-2		Compound	Not	Detected.		
21 pcb1232-3		Compound	Not	Detected.		
22 pcb1232-4		Compound	Not	Detected.		
M 28 pcb1248		Compound	Not	Detected.		
29 pcb1248-1		Compound	Not	Detected.		
30 pcb1248-2		Compound	Not	Detected.		
31 pcb1248-3		Compound	Not	Detected.		
32 pcb1248-4		Compound	Not	Detected.		
M 33 pcb1254		Compound	Not	Detected.		
34 pcb1254-1		Compound	Not	Detected.		
35 pcb1254-2		Compound	Not	Detected.		
36 pcb1254-3		Compound	Not	Detected.		
37 pcb1254-4		Compound	Not	Detected.		
\$ 38 DCB	14.381	14.378	(0.916)	2451047926	0.51320	0.513
* 39 Decachlorodiphenyl Ether	15.702	15.698	(1.000)	8806987264	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071615b.d

Calibration Time: 22:40

Lab Smp Id: 0907167A/168A

Client Smp ID: Lab Blank

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	8225164566	4112582283	16450329131	8798043074	6.96

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071615ab.d

Calibration Time: 22:13

Lab Smp Id: 0907167A/168A

Client Smp ID: Lab Blank

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	8678794631	4339397315	17357589261	8806987264	1.48

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 0907167A/168A	Client Smp ID: Lab Blank
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: SAMPLE
SpikeList File:	Quant Type: ISTD
Sublist File: all.sub	
Method File: /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m	
Misc Info: None	

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.6000	0.4768	79.46	60-120
\$ 28 DCB	0.6000	0.4450	74.17	60-120

Air Toxics Ltd.

RECOVERY REPORT

Client Name:

Sample Matrix: GAS

Lab Smp Id: 0907167A/168A

Level: LOW

Data Type: GC DATA

SpikeList File:

Sublist File: all_42.sub

Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m

Misc Info: None

Client SDG: 16Jul2009

Fraction: VOA

Client Smp ID: Lab Blank

Operator: lz

SampleType: SAMPLE

Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$ 2 TCMX	0.600	0.539	89.90	60-120
\$ 38 DCB	0.600	0.513	85.53	60-120

Data File: /chem/gcp.i/16Jul2009.b/P071615b.d

Date : 17-JUL-2009 00:54

Client ID: Lab Blank

Sample Info:

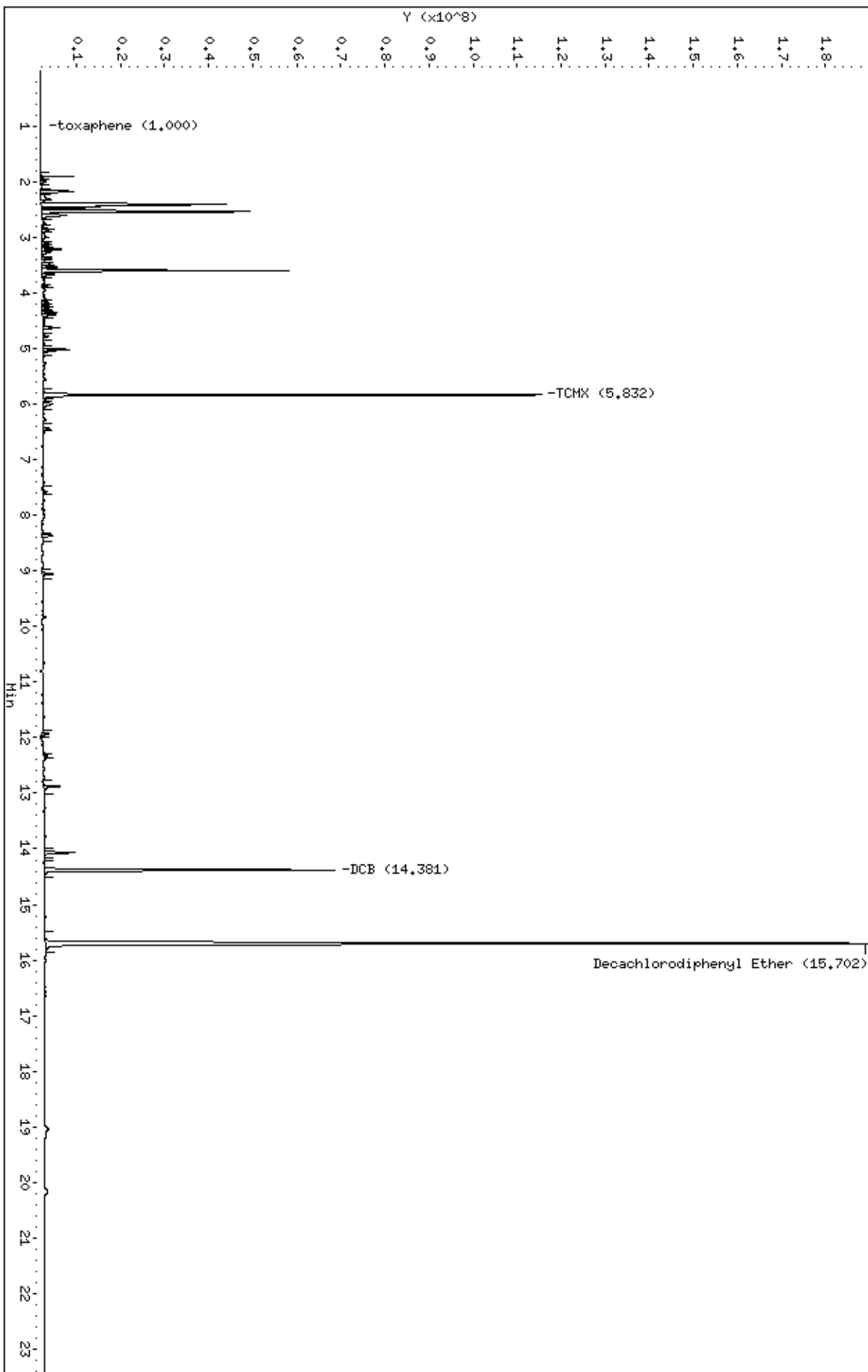
Instrument: gcp.i

Operator: iz

Column diameter: 2.00

Column phase:

/chem/gcp.i/16Jul2009.b/P071615b.d/P071615b.CMF



Data File: /chem/gcp.i/16Jul2009.b/P071615ab.d

Date : 17-JUL-2009 00:54

Client ID: Lab Blank

Sample Info:

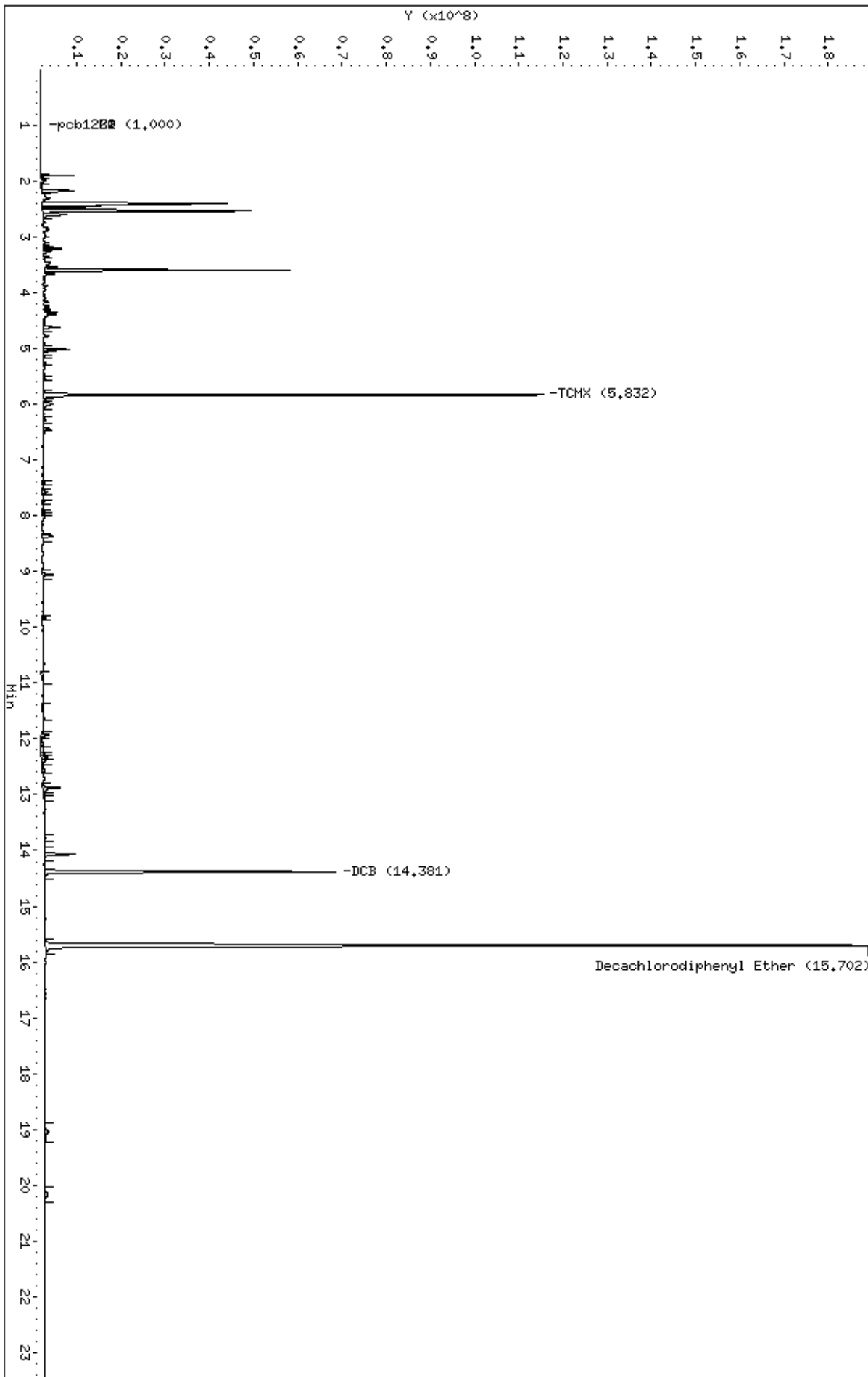
Instrument: gcp.i

Operator: iz

Column diameter: 2.00

Column phase:

/chem/gcp.i/16Jul2009.b/P071615ab.d/P071615ab.CDF



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-4A GC/ECD

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED.

SDG No.: 0907167A

CLIENT SAMPLE NO.	SURROGATE % RECOVERY							
	Decachlorobiphenyl	#	2,4,5,6-Tetrachloro- m-xylene	#		#		# TOTAL OUT
01	OFF04-070709	71	79					0
02	OFF04-070709 Lab Duplicate	70	80					0
03	OFF03-070709	72	75					0
04	OFF03-070709BS	72	83					0
05	Lab Blank	76	80					0
06	LCS	70	78					0
07								0
08								0
09								0
10								0
11								0
12								0
13								0
14								0
15								0
16								0
17								0
18								0
19								0
20								0
21								0
22								0
23								0
24								0

Surrogate Recovery Limits

Decachlorobiphenyl 60 - 120

2,4,5,6-Tetrachloro-m-xylene 60 - 120

* Designates values outside of QC limits

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.	Lab File ID: P071619.d & P071618.d	
Lab Sample ID: 01A & 01AA	Dilution: 1.00 & 1.00	
Client Sample ID: &	Date Analyzed: 7/16/09 & 7/16/09	

CAS Number	Compound	Original		Duplicate		RPD	Result Less Than 5X RL
		Amount	Flags	Amount	Flags		
72-54-8	4,4'-DDD	ND	U	ND	U	0	
72-55-9	4,4'-DDE	ND	U	ND	U	0	
50-29-3	4,4'-DDT	ND	U	ND	U	0	
72-43-5	4,4'-Methoxychlor	ND	U	ND	U	0	
309-00-2	Aldrin	ND	U	ND	U	0	
319-84-6	alpha-BHC	ND	U	ND	U	0	
5103-71-9	alpha-Chlordane	ND	U	ND	U	0	
9999-9999-098	Aroclor 1016/1242	ND		ND		0	
11104-28-2	Aroclor-1221	ND		ND		0	
11141-16-5	Aroclor-1232	ND		ND		0	
12672-29-6	Aroclor-1248	ND		ND		0	
11097-69-1	Aroclor-1254	ND		ND		0	
11096-82-5	Aroclor-1260	ND		ND		0	
319-85-7	beta-BHC	ND	U	ND	U	0	
319-86-8	delta-BHC	ND	U	ND	U	0	
60-57-1	Dieldrin	ND	U	ND	U	0	
959-98-8	Endosulfan I	ND	U	ND	U	0	
33213-65-9	Endosulfan II	ND	U	ND	U	0	
1031-07-8	Endosulfan Sulfate	ND	U	ND	U	0	
72-20-8	Endrin	ND	U	ND	U	0	
7421-93-4	Endrin Aldehyde	ND	U	ND	U	0	
53494-70-5	Endrin Ketone	ND	U	ND	U	0	
58-89-9	gamma-BHC (Lindane)	ND	U	ND	U	0	
5103-74-2	gamma-Chlordane	ND	U	ND	U	0	
76-44-8	Heptachlor	ND	U	ND	U	0	
1024-57-3	Heptachlor Epoxide	ND	U	ND	U	0	
8001-35-2	Toxaphene	ND	U	ND	U	0	

Note: The results appearing in the Amount columns are the raw, unrounded numbers acquired from the instrument.

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAY-2009 17:30
 End Cal Date : 19-MAY-2009 20:37
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP Genie
 Method file : /chem/gcp.i/19May2009.b/p0910519.m
 Cal Date : 20-May-2009 08:19 lantonic
 Curve Type : Average

Compound	0.10000 Level 1	0.20000 Level 2	0.40000 Level 3	0.60000 Level 4	0.80000 Level 5	1.000 Level 6	RRF	% RSD
	2.500 Level 7							
10 b-BHC	1.22417	1.12320	1.12343	1.02994	1.01921	1.00999		
	0.95026						1.06860	8.675
11 d-BHC	2.60102	2.42295	2.53904	2.33826	2.34972	2.34578		
	2.25851						2.40790	5.062
12 Heptachlor	2.84736	2.68096	2.53886	2.31490	2.20378	2.13543		
	1.81222						2.36193	14.963
13 Aldrin	2.69177	2.50408	2.46999	2.23588	2.18770	2.13954		
	1.87800						2.30099	11.830
14 Heptachlor Epoxide	2.37477	2.18690	2.13545	1.90885	1.85999	1.81902		
	1.58666						1.98166	13.397
15 g-Chlordane	2.40318	2.23316	2.22169	2.01977	1.98879	1.96759		
	1.78617						2.08862	9.936
16 a-Chlordane	2.28705	2.11693	2.09697	1.90599	1.87542	1.85263		
	1.67113						1.97230	10.439
17 Endosulfan I	2.13442	1.96020	1.91725	1.71655	1.67084	1.63113		
	1.41755						1.77828	13.511
18 DDE	2.17396	2.00397	2.02379	1.84382	1.81318	1.79305		
	1.58704						1.89126	10.141
19 Dieldrin	2.25885	2.10392	2.08574	1.88524	1.84408	1.81147		
	1.59252						1.94026	11.510

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAY-2009 17:30
 End Cal Date : 19-MAY-2009 20:37
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP Genie
 Method file : /chem/gcp.i/19May2009.b/p0910519.m
 Cal Date : 20-May-2009 08:19 lantonic
 Curve Type : Average

Compound	0.10000	0.20000	0.40000	0.60000	0.80000	1.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	2.500							
	Level 7							
20 Endrin	1.98606	1.85372	1.84220	1.67416	1.63710	1.61853		
	1.42349						1.71932	10.902
21 DDD	1.65382	1.53980	1.58767	1.46433	1.45601	1.45648		
	1.34287						1.50014	6.816
22 Endosulfan II	1.85327	1.75504	1.73189	1.53068	1.49818	1.45227		
	1.31147						1.59040	12.181
23 DDT	1.68007	1.64889	1.68128	1.56483	1.54873	1.54702		
	1.41846						1.58418	5.949
24 Endrin Aldehyde	1.40233	1.33775	1.33579	1.22654	1.20651	1.19265		
	1.07413						1.25367	8.908
25 Endosulfan Sulfate	1.49491	1.46895	1.49292	1.38126	1.36477	1.36338		
	1.25239						1.40265	6.314
26 Methoxychlor	0.69495	0.63616	0.59870	0.54127	0.52941	0.52639		
	+++++						0.58781	11.609
169 Mirex	1.12526	1.06127	1.05700	0.98397	0.97476	0.98133		
	0.92776						1.01591	6.650
27 Endrin Ketone	1.74472	1.70032	1.68046	1.54698	1.51808	1.50014		
	1.35275						1.57764	8.760
\$ 2 TCMX	2.27365	2.06803	1.99655	1.80931	1.76021	1.71359		
	+++++						1.93689	11.110

INITIAL CALIBRATION DATA

```
Start Cal Date      : 19-MAY-2009 17:30
End Cal Date       : 19-MAY-2009 20:37
Quant Method       : ISTD
Origin             : Disabled
Target Version     : 3.50
Integrator         : HP Genie
Method file        : /chem/gcp.i/19May2009.b/p0910519.m
Cal Date           : 20-May-2009 08:19 lantonic
Curve Type         : Average
```

[illegible]

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAY-2009 17:30
End Cal Date : 19-MAY-2009 20:37
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /chem/gcp.i/19May2009.b/p0910519.m
Cal Date : 20-May-2009 08:19 lantonic
Curve Type : Average

Average %RSD Results.	
=====	
Calculated Average %RSD = 9.57619190	
Maximun Average %RSD = 20	
* Passed Average %RSD Test.	

Calibration History

Method : /chem/gcp.i/19May2009.b/p0910519.m
Start Cal Date: 19-MAY-2009 17:30
End Cal Date : 19-MAY-2009 20:37

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.10000		
19-MAY-2009 17:30	pestCCV+mirex	/chem/gcp.i/19May2009.b/P051905.d
Cal Level: 2 , Cal Amount: 0.20000		
19-MAY-2009 17:57	pestCCV+mirex	/chem/gcp.i/19May2009.b/P051906.d
Cal Level: 3 , Cal Amount: 0.40000		
19-MAY-2009 18:23	pestCCV+mirex	/chem/gcp.i/19May2009.b/P051907.d
Cal Level: 4 , Cal Amount: 0.60000		
19-MAY-2009 20:37	tox	/chem/gcp.i/19May2009.b/P051912.d
19-MAY-2009 18:50	pestCCV+mirex	/chem/gcp.i/19May2009.b/P051908.d
Cal Level: 5 , Cal Amount: 0.80000		
19-MAY-2009 19:17	pestCCV+mirex	/chem/gcp.i/19May2009.b/P051909.d
Cal Level: 6 , Cal Amount: 1.00000		
19-MAY-2009 19:43	pestCCV+mirex	/chem/gcp.i/19May2009.b/P051910.d
Cal Level: 7 , Cal Amount: 2.50000		
19-MAY-2009 20:10	pestCCV+mirex	/chem/gcp.i/19May2009.b/P051911.d

Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 3

+-----+-----+-----+	
Ccal Level: 3 , Ccal Amount: 0.4000	
+=====+	
19-MAY-2009 18:23 pestCCV+mirex	/chem/gcp.i/19May2009.b/P051907a.d
+-----+-----+-----+	
Ccal Level: 3 , Ccal Amount: 0.4000	
+=====+	
19-MAY-2009 18:23 pestCCV+mirex	/chem/gcp.i/19May2009.b/P051907.d
+-----+-----+-----+	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAY-2009 17:30
End Cal Date : 19-MAY-2009 20:37
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /chem/gcp.i/19May2009.b/p0910519.m
Cal Date : 20-May-2009 08:19 lantonic
Curve Type : Average

*upper range for
Methoxychlor
is 10ppm
and TCMX is 2.0ppm*

Calibration File Names:
Level 1: /chem/gcp.i/19May2009.b/P051905.d
Level 2: /chem/gcp.i/19May2009.b/P051906.d
Level 3: /chem/gcp.i/19May2009.b/P051907.d
Level 4: /chem/gcp.i/19May2009.b/P051912.d
Level 5: /chem/gcp.i/19May2009.b/P051909.d
Level 6: /chem/gcp.i/19May2009.b/P051910.d
Level 7: /chem/gcp.i/19May2009.b/P051911.d

*2nd Source: P051914
Mirex 2nd Source: P051913
TOX: P051912*

Based on 1ul injection in Hexane

Compound	0.10000	0.20000	0.40000	0.60000	0.80000	1.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
<i>unit in ppm</i>	2.500							
	Level 7							
=====								
M 3 toxaphene *	+++++	+++++	+++++	0.18671	+++++	+++++		
	+++++						0.18671	0.000

4 toxaphene-1	+++++	+++++	+++++	0.04782	+++++	+++++		
	+++++						0.04782	0.000

5 toxaphene-2	+++++	+++++	+++++	0.07004	+++++	+++++		
	+++++						0.07004	0.000

6 toxaphene-3	+++++	+++++	+++++	0.03904	+++++	+++++		
	+++++						0.03904	0.000

7 toxaphene-4	+++++	+++++	+++++	0.02980	+++++	+++++		
	+++++						0.02980	0.000

8 a-BHC	3.06029	2.88789	2.91994	2.72188	2.68274	2.66110		
	2.57452						2.78691	6.192

9 g-BHC	2.88994	2.70131	2.73475	2.51098	2.49789	2.47513		
	2.34450						2.59350	7.238

5/20/09

ran sl2009

*Calibration level 6.0ppm

Method: Mod. TO-4A/TO-10A

IS Std ID	IS	Area Counts	Breakdown %
NA	1-Bromo-2-Nitrobenzene	Front: NA Back: 1	Endrin Front: 2.31% Back: 2.25%
1685-320-50	Decafluorodiphenyl Ether	Front: 19926643419 Back: 6349112896	DDT Front: 3.12% Back: 2.51%
NA	NA	Front: NA Back: 1	must be ≤15%

Injection Volume: 1.0 µL

GMT

USE	File #	Sample/ Client Name	Vial #	Dil. Factor	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
✓	P051901	Hexane Wash	1	1.00	LA	5/19/09	1521	LA	
✓	02	1685-143-0.8 ONADL	2				1548		
X	03	1685-135-0.6 Pest	3				1615		CCV ↑
✓	04	Hexane Blank	4				1642		
✓	05	1685-135-0.1	5		RTN/NA		1730		Level 1
✓	06	-0.2	6				1757		Level 2
✓	07	-0.4	7				1823		Level 3, CCV
✓	08	-0.6	8				1850		Level 4
✓	09	-0.8	9				1917		Level 5
✓	10	-1.0	10				1943		Level 6
✓	11	✓ -5.05-100	11				2010		Level 7, 2.5 ppm
✓	12	1685-127-6.0 TOX	12				2037		TOX
✓	13	1685-109A-1.0	13				2104		LCS morey
✓	14	1685-136-0.4	14				2130		LCS
✓	15	Hexane Blank	15				2157		
✓	16	0905142A-Blank	16				2328		
✓	17	-LCS	17			✓	2355		LCS
✓	18	-OIA	18			5/20/09	0021		
✓	19	-OIA	18				0048		
✓	20	✓ -OIA	19				0115		
✓	21	1685-135-0.4	20				0142		
✓	22	Hexane Blank	21				0208		
✓	23	0905261A-Blank	22				0235		
✓	✓ 24	✓ -LCS	23	✓	✓	✓	0302		LCS

Calculation Check:

File ID: P051914Compound: g-BHCInitials: RM

$$\text{nG On Column} = \frac{\text{Area of Compound in Sample} \times \text{Conc. Int. Standard}}{\text{Area of Int. Standard in Sample} \times \text{ICAL RRF}_{\text{AVG}}} = \frac{9829798842 \times (2.100)}{21268438302 \times (2.25192)} = 2.59350$$

$$\mu\text{G/Sample} = \frac{\text{nG On Column} \times 1000 \mu\text{L Final Vol.} \times \text{D.F.}}{1.0 \mu\text{L Inj. Vol.} \times 1000 \text{ nG}/\mu\text{G}} = \frac{(0.35742) \times (1000) \times (1.00)}{(1000)} = 0.35742$$

RM
Signed

5/20/09
Date

Reported Result = 0.3574

Revised: 02/27/06

Report Date: 20-May-2009 08:21 *Mon 5/20/09*

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051902.d

Lab Smp Id: 1685-143-0.8

Client Smp ID: BREAKDOWN

Inj Date : 19-MAY-2009 15:48

Operator : LA

Inst ID: gcp.i

Smp Info : 1685-143-0.8

Misc Info : None

Comment : Primary Column, RTX-CLPesticides II

Method : /chem/gcp.i/19May2009.b/BREAK.m

Meth Date : 29-Apr-2009 09:16 lantonic Quant Type: ESTD

Cal Date :

Cal File:

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(area)	(area)
=====	==	=====	=====	=====		=====	=====
M 1 Total DDT				9907148577			
M 2 Total Endrin				11771148865			
3 p,p'-DDE	10.867	11.033	-0.166	52545510			
4 Endrin	11.596	11.674	-0.078	11499305683			
5 p,p'-DDD	11.758	11.836	-0.078	256731395			
6 p,p'-DDT	12.207	12.236	-0.029	9597871672			
7 Endrin Aldehyde	12.403	12.433	-0.030	86207858			
8 Endrin Ketone	13.532	13.699	-0.167	185635323			

$$\text{Endrin Breakdown} = \frac{86207858 + 185635323}{11771148865} \times 100 = 2.31\%$$

$$\text{DDT Breakdown} = \frac{52545510 + 256731395}{9907148577} \times 100 = 3.12\%$$

Report Date: 20-May-2009 08:21

run 5/20/09

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051902b.d

Lab Smp Id: 1685-143-0.8

Client Smp ID: BREAKDOWN

Inj Date : 19-MAY-2009 15:48

Operator : LA

Inst ID: gcp.i

Smp Info : 1685-143-0.8

Misc Info : None

Comment : Confirmation Column, RTX-CLPesticides

Method : /chem/gcp.i/19May2009.b/BREAK.m/BREAKB.m

Meth Date : 30-Jul-2003 09:29 lzhang

Quant Type: ESTD

Cal Date :

Cal File:

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (area)	FINAL (area)
M 1 Total DDT				3092786588		
M 2 Total Endrin				3417949801		
3 p,p'-DDE	10.240	10.260	-0.020	13604321		
4 Endrin	11.096	11.113	-0.017	3341046962		
5 p,p'-DDD	11.184	11.204	-0.020	64059536		
6 p,p'-DDT	11.593	11.768	-0.175	3015122731		
7 Endrin Aldehyde	12.047	12.227	-0.180	12336504		
8 Endrin Ketone	13.048	13.227	-0.179	64566333		

$$\text{Endrin Breakdown} = \frac{12336504 + 64566333}{3417949801} \times 100 = 2.25\%$$

$$\text{DDT Breakdown} = \frac{13604321 + 64059536}{3092786588} \times 100 = 2.51\%$$

Air Toxics Ltd.

RECOVERY REPORT

Client Name:
 Sample Matrix: GAS
 Lab Smp Id: 1685-136-0.4-4.0
 Level: LOW
 Data Type: GC DATA
 SpikeList File: 1050-159.spk
 Sublist File: pestCCV.sub
 Method File: /chem/gcp.i/19May2009.b/p0910519.m
 Misc Info: None

Client SDG: 19May2009
 Fraction:
 Client Smp ID: LCS
 Operator: LA/rn
 SampleType: LCS
 Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.8000	0.6504	81.31*	85-115
8 a-BHC	0.4000	0.3761	94.03	85-115
10 b-BHC	0.4000	0.3680	92.00	85-115
9 g-BHC	0.4000	0.3574	89.36	85-115
11 d-BHC	0.4000	0.3602	90.05	85-115
12 Heptachlor	0.4000	0.3821	95.52	85-115
13 Aldrin	0.4000	0.3751	93.78	85-115
14 Heptachlor Epoxide	0.4000	0.3761	94.02	85-115
17 Endosulfan I	0.4000	0.3770	94.24	85-115
18 DDE	0.8000	0.7122	89.03	85-115
19 Dieldrin	0.8000	0.7218	90.23	85-115
20 Endrin	0.8000	0.6961	87.01	85-115
22 Endosulfan II	0.8000	0.7112	88.90	85-115
21 DDD	0.8000	0.7230	90.38	85-115
24 Endrin Aldehyde	0.8000	0.6449	80.61*	85-115
25 Endosulfan Sulfate	0.8000	0.7097	88.72	85-115
23 DDT	0.8000	0.7277	90.97	85-115
27 Endrin Ketone	0.8000	0.6887	86.09	85-115
16 a-Chlordane	0.4000	0.3700	92.50	85-115
15 g-Chlordane	0.4000	0.3633	90.82	85-115
26 Methoxychlor	4.000	3.662	91.55	85-115
\$ 28 DCB	1.600	1.216	76.01*	85-115

avg = 89.42 ans/2009

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.7000	0.6504	81.31	60-120
\$ 28 DCB	1.100	1.216	76.01	60-120

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051914.d
Lab Smp Id: 1685-136-0.4-4.0Client Smp ID: LCS
Inj Date : 19-MAY-2009 21:30
Operator : LA/rnInst ID: gcp.i
Smp Info : 1685-136-0.4-4.0
Misc Info : None
Comment : Front column, Rtx-CLPesticides II
Method : /chem/gcp.i/19May2009.b/p0910519.m
Meth Date : 20-May-2009 08:19 lantonicQuant Type: ISTD
Cal Date : 19-MAY-2009 20:37Cal File: P051912.d
Als bottle: 1QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.032	6.030	(0.352)	13359563521	0.65044	0.6504(R)
8 a-BHC	7.023	7.021	(0.410)	11115054334	0.37611	0.3761
9 g-BHC	7.636	7.633	(0.446)	9829790842	0.35742	0.3574
10 b-BHC	7.782	7.779	(0.455)	4169846707	0.36798	0.3680
11 d-BHC	8.318	8.313	(0.486)	9196957842	0.36019	0.3602
12 Heptachlor	8.425	8.423	(0.492)	9570029662	0.38209	0.3821
13 Aldrin	9.030	9.028	(0.528)	9153183919	0.37513	0.3751
14 Heptachlor Epoxide	10.041	10.039	(0.587)	7903267660	0.37610	0.3761
15 g-Chlordane	10.354	10.352	(0.605)	8046254303	0.36329	0.3633
16 a-Chlordane	10.593	10.591	(0.619)	7738645707	0.37001	0.3700
17 Endosulfan I	10.692	10.690	(0.625)	7108548234	0.37697	0.3770
18 DDE	10.863	10.861	(0.635)	14284364405	0.71225	0.7122
19 Dieldrin	11.126	11.124	(0.650)	14852018351	0.72185	0.7218
20 Endrin	11.595	11.594	(0.677)	12690892064	0.69607	0.6961
21 DDD	11.753	11.752	(0.687)	11502206023	0.72306	0.7230
22 Endosulfan II	11.912	11.910	(0.696)	11994767584	0.71122	0.7112
23 DDT	12.206	12.205	(0.713)	12225304159	0.72774	0.7277
24 Endrin Aldehyde	12.401	12.399	(0.724)	8573243685	0.64489	0.6449(R)
25 Endosulfan Sulfate	12.792	12.790	(0.747)	10556613234	0.70973	0.7097
26 Methoxychlor	13.158	13.157	(0.769)	22826386237	3.66200	3.662
27 Endrin Ketone	13.530	13.529	(0.790)	11522288287	0.68874	0.6887

CONCENTRATIONS						
Compounds	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 28 DCB	15.436	15.434	(0.902)	15758956240	1.21616	1.216(R)
* 29 Decachlorodiphenyl Ether	17.118	17.115	(1.000)	21208438362	2.00000	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051914.d

Calibration Time: 18:23

Lab Smp Id: 1685-136-0.4-4.0

Client Smp ID: LCS

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	19926643419	9963321709	39853286838	21208438362	6.43

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.12	16.62	17.62	17.12	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 19May2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 1685-136-0.4-4.0	Client Smp ID: LCS
Level: LOW	Operator: LA/rn
Data Type: GC DATA	SampleType: LCS
SpikeList File: 1050-159.spk	Quant Type: ISTD
Sublist File: pestCCV.sub	
Method File: /chem/gcp.i/19May2009.b/p0910519.m	
Misc Info: None	

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.8000	0.6504	81.31*	85-115
8 a-BHC	0.4000	0.3761	94.03	85-115
10 b-BHC	0.4000	0.3680	92.00	85-115
9 g-BHC	0.4000	0.3574	89.36	85-115
11 d-BHC	0.4000	0.3602	90.05	85-115
12 Heptachlor	0.4000	0.3821	95.52	85-115
13 Aldrin	0.4000	0.3751	93.78	85-115
14 Heptachlor Epoxide	0.4000	0.3761	94.02	85-115
17 Endosulfan I	0.4000	0.3770	94.24	85-115
18 DDE	0.8000	0.7122	89.03	85-115
19 Dieldrin	0.8000	0.7218	90.23	85-115
20 Endrin	0.8000	0.6961	87.01	85-115
22 Endosulfan II	0.8000	0.7112	88.90	85-115
21 DDD	0.8000	0.7230	90.38	85-115
24 Endrin Aldehyde	0.8000	0.6449	80.61*	85-115
25 Endosulfan Sulfate	0.8000	0.7097	88.72	85-115
23 DDT	0.8000	0.7277	90.97	85-115
27 Endrin Ketone	0.8000	0.6887	86.09	85-115
16 a-Chlordane	0.4000	0.3700	92.50	85-115
15 g-Chlordane	0.4000	0.3633	90.82	85-115
26 Methoxychlor	4.000	3.662	91.55	85-115
\$ 28 DCB	1.600	1.216	76.01*	85-115

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.7000	0.6504	81.31	60-120
\$ 28 DCB	1.100	1.216	76.01	60-120

Data File: /chem/gcp.i/19May2009.b/P051914.d

Date : 19-May-2009 21:30

Client ID: LCS

Sample Info: 1685-136-0.4-4.0

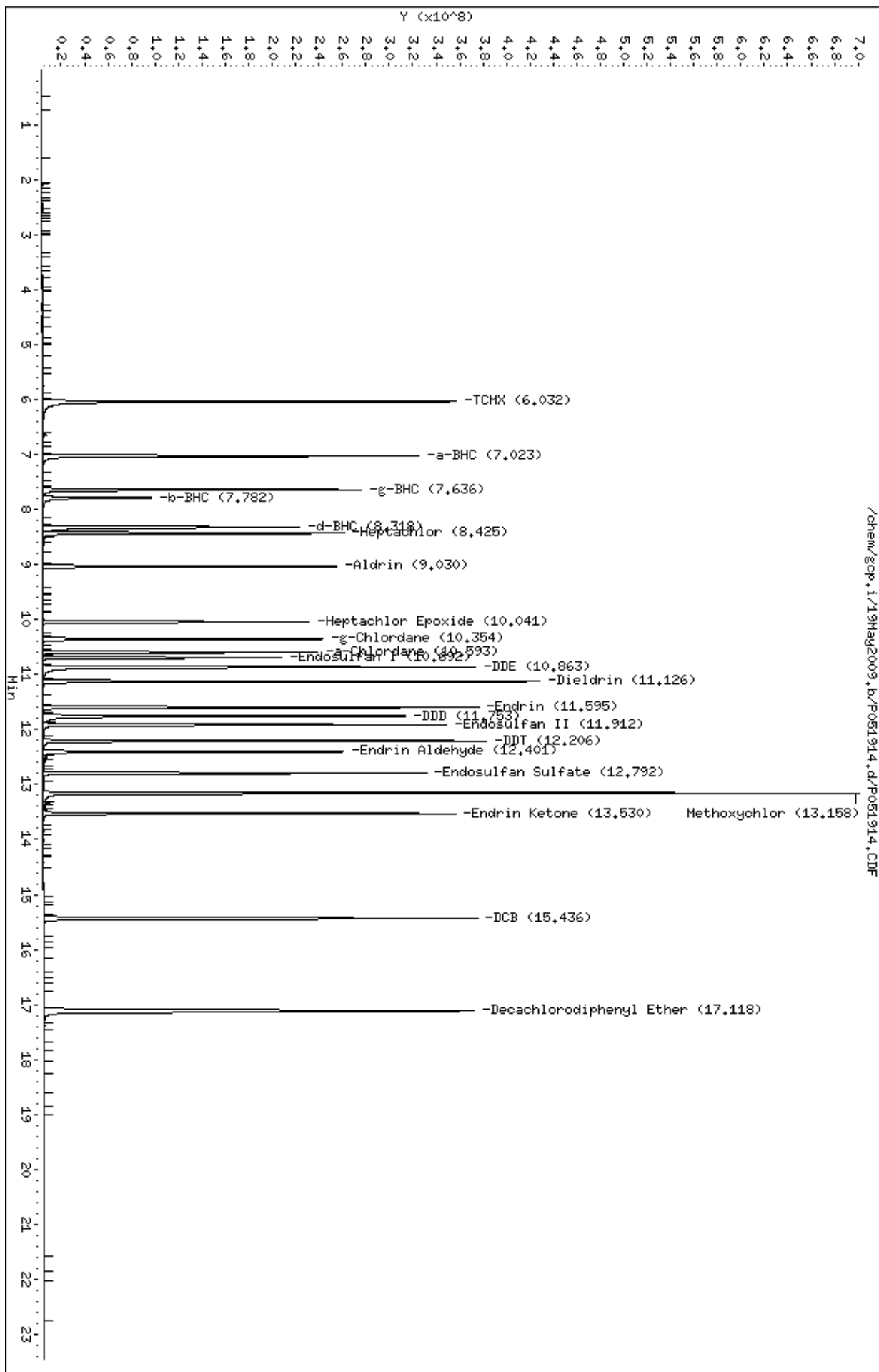
Page 1

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051913.d
Lab Smp Id: 1685-109A-1.0Client Smp ID: LCS
Inj Date : 19-MAY-2009 21:04
Operator : LA/rnInst ID: gcp.i
Smp Info : 1685-109A-1.0
Misc Info : None
Comment : Front column, Rtx-CLPesticides II
Method : /chem/gcp.i/19May2009.b/p0910519.m
Meth Date : 20-May-2009 08:19 lantonicQuant Type: ISTD
Cal Date : 19-MAY-2009 20:37Cal File: P051912.d
Als bottle: 1QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: mirex.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

Compounds						CONCENTRATIONS	
	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
=====	==	=====	=====	=====		(ug)	(ug)
\$ 2 TCMX				Compound Not Detected.			
169 Mirex	13.476	13.475	(0.787)	10299024327		0.95972	0.9597
\$ 28 DCB				Compound Not Detected.			
* 29 Decachlorodiphenyl Ether	17.116	17.115	(1.000)	21126349198		2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051913.d

Calibration Time: 18:23

Lab Smp Id: 1685-109A-1.0

Client Smp ID: LCS

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	19926643419	9963321709	39853286838	21126349198	6.02

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.12	16.62	17.62	17.12	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 19May2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 1685-109A-1.0	Client Smp ID: LCS
Level: LOW	Operator: LA/rn
Data Type: GC DATA	SampleType: LCS
SpikeList File: mirex.spk	Quant Type: ISTD
Sublist File: mirex.sub	
Method File: /chem/gcp.i/19May2009.b/p0910519.m	
Misc Info: None	

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
169 Mirex	1.000	0.9597	95.97	65-125

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.6000	0.000	*	60-120
\$ 28 DCB	0.6000	0.000	*	60-120

Data File: /chem/gcp.i/19May2009.b/P051913.d

Date : 19-May-2009 21:04

Client ID: LCS

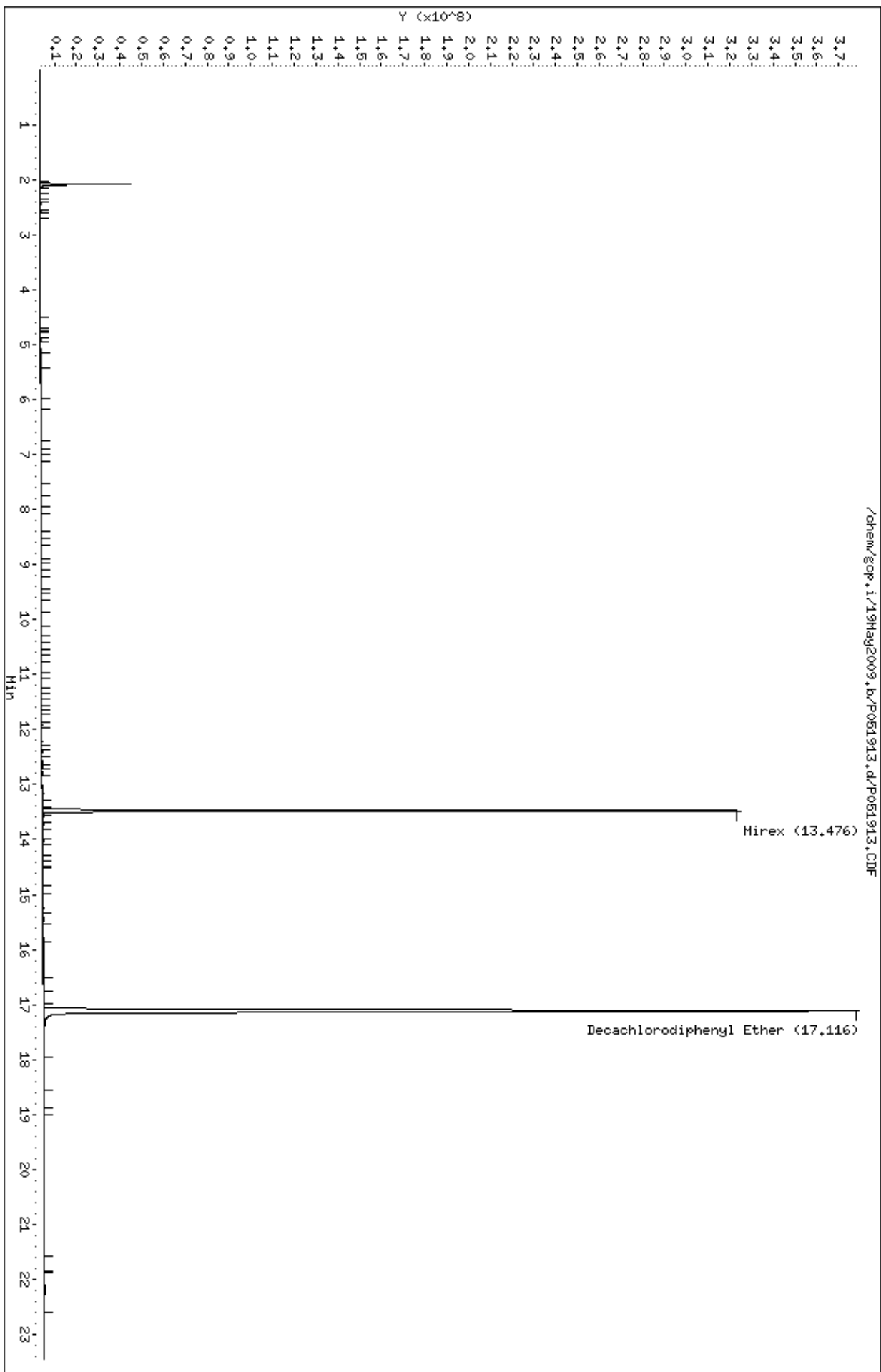
Sample Info: 1685-109A-1.0

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051905.d
Lab Smp Id: 1685-135-0.1
Inj Date : 19-MAY-2009 17:30
Operator : LA/rnInst ID: gcp.i
Smp Info : 1685-135-0.1
Misc Info : None
Comment : Front column, Rtx-CLPesticides II
Method : /chem/gcp.i/19May2009.b/p0910519.m
Meth Date : 19-May-2009 13:02 lantonicQuant Type: ISTD
Cal Date : 19-MAY-2009 17:30Cal File: P051905.d
Als bottle: 1Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV+mirex.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.046	6.030	(0.353)	4190478206	0.20000	0.2130
8 a-BHC	7.039	7.021	(0.411)	2820156397	0.10000	0.1023
9 g-BHC	7.653	7.633	(0.447)	2663172423	0.10000	0.1028
10 b-BHC	7.800	7.779	(0.455)	1128113119	0.10000	0.1043
11 d-BHC	8.336	8.313	(0.486)	2396925742	0.10000	0.1012
12 Heptachlor	8.443	8.423	(0.493)	2623940448	0.10000	0.1057
13 Aldrin	9.048	9.028	(0.528)	2480556367	0.10000	0.1043
14 Heptachlor Epoxide	10.057	10.039	(0.587)	2188432073	0.10000	0.1053
15 g-Chlordane	10.370	10.352	(0.605)	2214613357	0.10000	0.1039
16 a-Chlordane	10.609	10.591	(0.619)	2107591847	0.10000	0.1043
17 Endosulfan I	10.707	10.690	(0.625)	1966937128	0.10000	0.1054
18 DDE	10.879	10.861	(0.635)	2003375945	0.10000	0.1036
19 Dieldrin	11.141	11.124	(0.650)	2081607034	0.10000	0.1040
20 Endrin	11.609	11.594	(0.678)	1830216283	0.10000	0.1038
21 DDD	11.769	11.752	(0.687)	1524047643	0.10000	0.1020
22 Endosulfan II	11.926	11.910	(0.696)	1707847391	0.10000	0.1034
23 DDT	12.220	12.205	(0.713)	1548241722	0.10000	0.09996
24 Endrin Aldehyde	12.414	12.399	(0.725)	1292290011	0.10000	0.1024
25 Endosulfan Sulfate	12.804	12.790	(0.747)	1377612062	0.10000	0.1001
26 Methoxychlor	13.169	13.157	(0.769)	6404170159	1.00000	1.074
169 Mirex	13.488	13.475	(0.787)	1036968506	0.10000	0.1031

Compounds	AMOUNTS					
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
27 Endrin Ketone	13.542	13.529	(0.790)	1607814147	0.10000	0.1019
\$ 28 DCB	15.450	15.434	(0.902)	2542111961	0.20000	0.2074
* 29 Decachlorodiphenyl Ether	17.134	17.115	(1.000)	18430658910	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051905.d

Calibration Time: 18:23

Lab Smp Id: 1685-135-0.1

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	19926643419	9963321709	39853286838	18430658910	-7.51

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.12	16.62	17.62	17.13	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: /chem/gcp.i/19May2009.b/P051905.d

Date : 19-May-2009 17:30

Client ID:

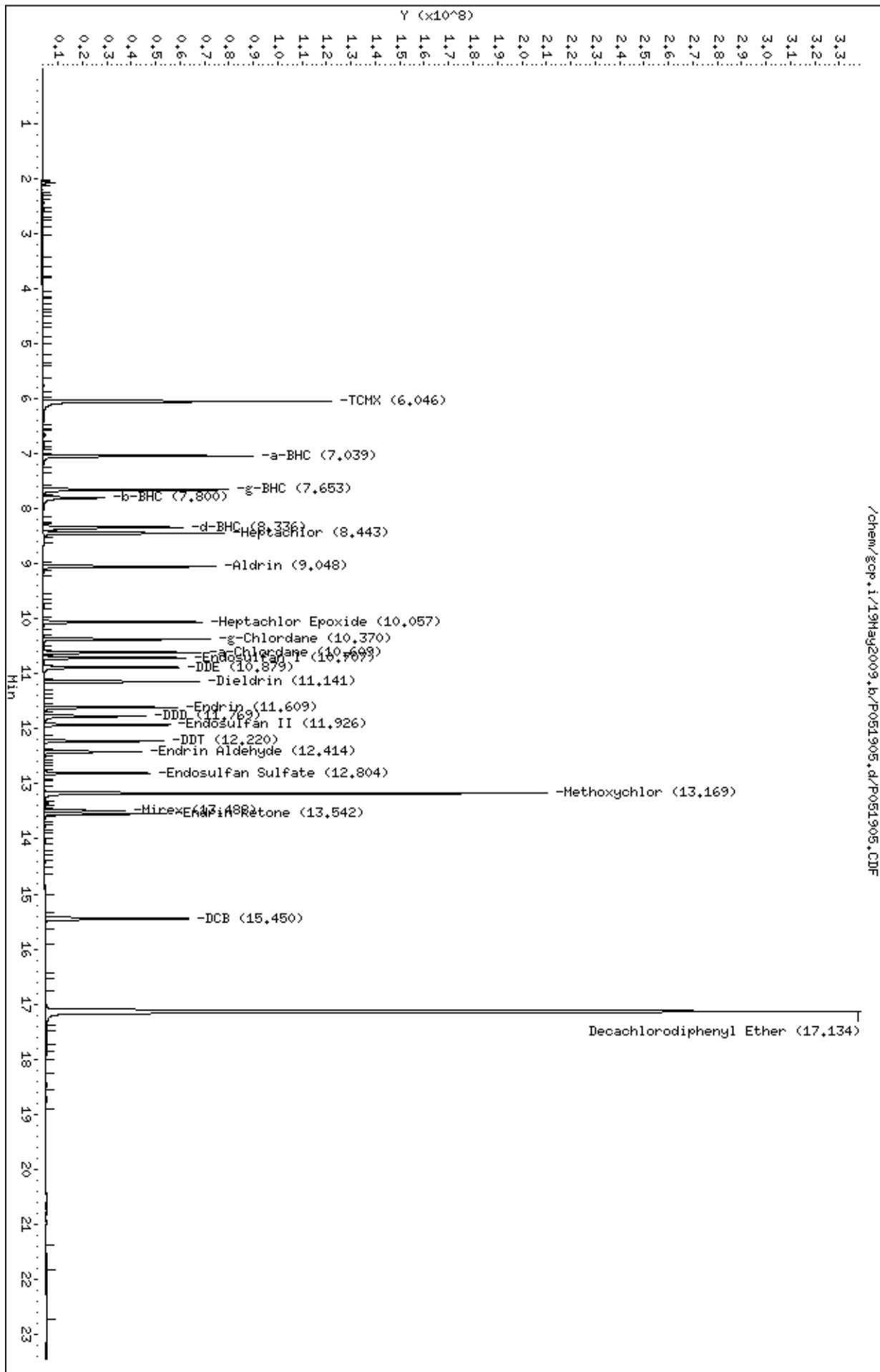
Sample Info: 1685-135-0.1

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051906.d
Lab Smp Id: 1685-135-0.2
Inj Date : 19-MAY-2009 17:57
Operator : LA/rnInst ID: gcp.i
Smp Info : 1685-135-0.2
Misc Info : None
Comment : Front column, Rtx-CLPesticides II
Method : /chem/gcp.i/19May2009.b/p0910519.m
Meth Date : 19-May-2009 13:02 lantonicQuant Type: ISTD
Cal Date : 19-MAY-2009 17:57Cal File: P051906.d
Als bottle: 1Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV+mirex.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.031	6.030	(0.352)	8320476346	0.40000	0.3915
8 a-BHC	7.022	7.021	(0.410)	5809554387	0.20000	0.1954
9 g-BHC	7.634	7.633	(0.446)	5434210531	0.20000	0.1947
10 b-BHC	7.781	7.779	(0.455)	2259525472	0.20000	0.1942
11 d-BHC	8.317	8.313	(0.486)	4874235102	0.20000	0.1922
12 Heptachlor	8.424	8.423	(0.492)	5393269220	0.20000	0.1994
13 Aldrin	9.029	9.028	(0.527)	5037450048	0.20000	0.1960
14 Heptachlor Epoxide	10.039	10.039	(0.587)	4399381713	0.20000	0.1959
15 g-Chlordane	10.353	10.352	(0.605)	4492427269	0.20000	0.1954
16 a-Chlordane	10.593	10.591	(0.619)	4258621346	0.20000	0.1954
17 Endosulfan I	10.691	10.690	(0.625)	3943326411	0.20000	0.1956
18 DDE	10.864	10.861	(0.635)	4031368037	0.20000	0.1939
19 Dieldrin	11.125	11.124	(0.650)	4232439245	0.20000	0.1958
20 Endrin	11.595	11.594	(0.677)	3729112240	0.20000	0.1957
21 DDD	11.755	11.752	(0.687)	3097601608	0.20000	0.1932
22 Endosulfan II	11.911	11.910	(0.696)	3530609854	0.20000	0.1972
23 DDT	12.207	12.205	(0.713)	3317060058	0.20000	0.1975
24 Endrin Aldehyde	12.401	12.399	(0.724)	2691135991	0.20000	0.1969
25 Endosulfan Sulfate	12.791	12.790	(0.747)	2955068029	0.20000	0.1978
26 Methoxychlor	13.157	13.157	(0.769)	12797624733	2.00000	1.978
169 Mirex	13.476	13.475	(0.787)	2134950060	0.20000	0.1963

AMOUNTS						
Compounds	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
27 Endrin Ketone	13.530	13.529	(0.790)	3420526513	0.20000	0.1990
\$ 28 DCB	15.435	15.434	(0.902)	5201669477	0.40000	0.3924
* 29 Decachlorodiphenyl Ether	17.117	17.115	(1.000)	20116938105	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051906.d

Calibration Time: 18:23

Lab Smp Id: 1685-135-0.2

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	19926643419	9963321709	39853286838	20116938105	0.95

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.12	16.62	17.62	17.12	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: /chem/gcp.i/19May2009.b/P051906.d

Date : 19-May-2009 17:57

Client ID:

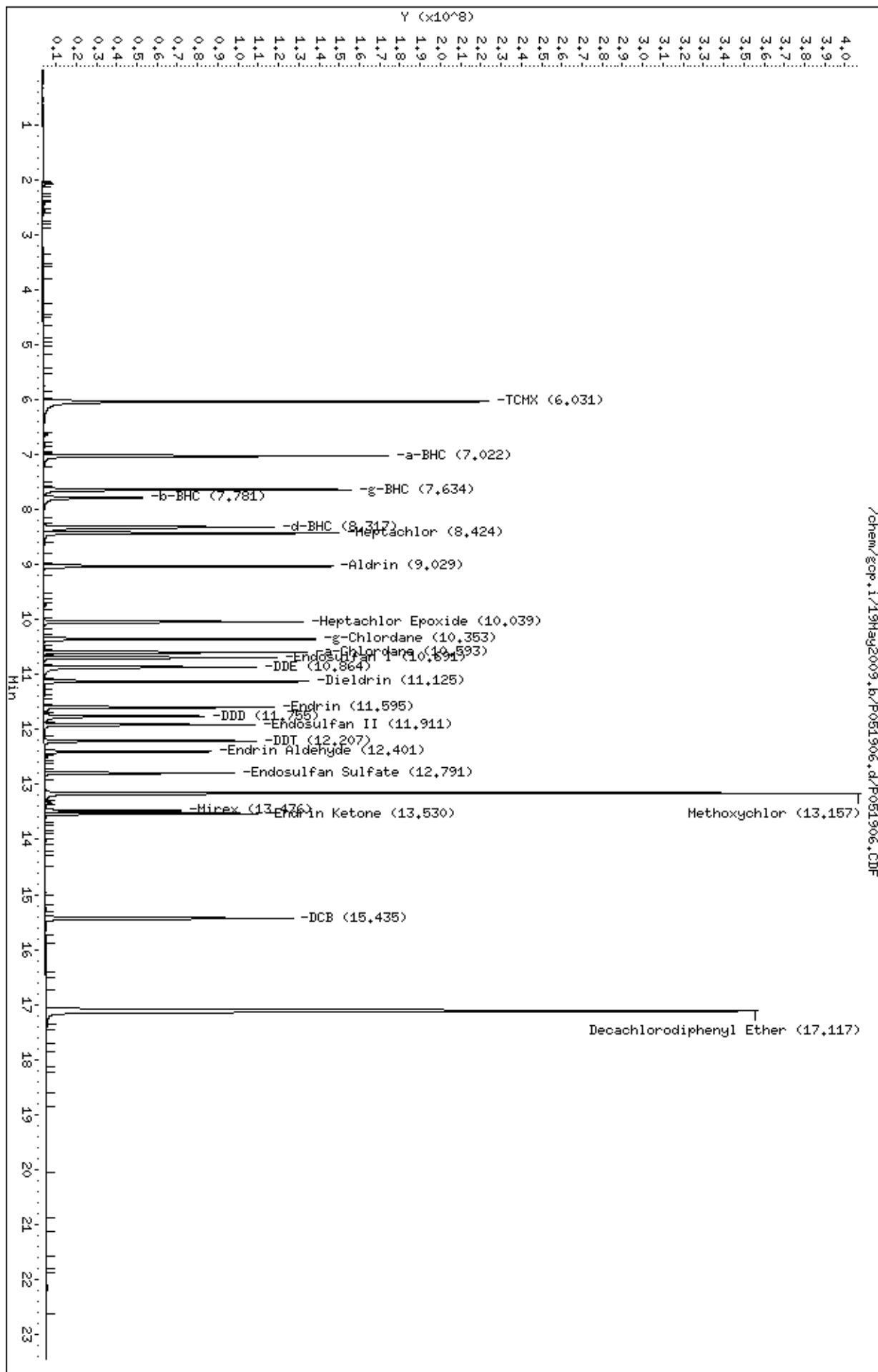
Sample Info: 1685-135-0.2

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051907.d
Lab Smp Id: 1685-135-0.4
Inj Date : 19-MAY-2009 18:23
Operator : LA/rnInst ID: gcp.i
Smp Info : 1685-135-0.4
Misc Info : None
Comment : Front column, Rtx-CLPesticides II
Method : /chem/gcp.i/19May2009.b/p0910519.m
Meth Date : 19-May-2009 12:59 lantonicQuant Type: ISTD
Cal Date : 19-MAY-2009 18:23Cal File: P051907.d
Als bottle: 1Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV+mirex.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.030	6.030	(0.352)	15913794860	0.80000	0.8000
8 a-BHC	7.021	7.021	(0.410)	11636921972	0.40000	0.4000
9 g-BHC	7.633	7.633	(0.446)	10898880199	0.40000	0.4000
10 b-BHC	7.779	7.779	(0.454)	4477234347	0.40000	0.4000
11 d-BHC	8.313	8.313	(0.486)	10118923421	0.40000	0.4000
12 Heptachlor	8.423	8.423	(0.492)	10118190743	0.40000	0.4000
13 Aldrin	9.028	9.028	(0.527)	9843705134	0.40000	0.4000
14 Heptachlor Epoxide	10.039	10.039	(0.587)	8510457237	0.40000	0.4000
15 g-Chlordane	10.352	10.352	(0.605)	8854152809	0.40000	0.4000
16 a-Chlordane	10.591	10.591	(0.619)	8357126023	0.40000	0.4000
17 Endosulfan I	10.690	10.690	(0.625)	7640888517	0.40000	0.4000
18 DDE	10.861	10.861	(0.635)	8065454985	0.40000	0.4000
19 Dieldrin	11.124	11.124	(0.650)	8312366885	0.40000	0.4000
20 Endrin	11.594	11.594	(0.677)	7341785819	0.40000	0.4000
21 DDD	11.752	11.752	(0.687)	6327369617	0.40000	0.4000
22 Endosulfan II	11.910	11.910	(0.696)	6902151381	0.40000	0.4000
23 DDT	12.205	12.205	(0.713)	6700463213	0.40000	0.4000
24 Endrin Aldehyde	12.399	12.399	(0.724)	5323543032	0.40000	0.4000
25 Endosulfan Sulfate	12.790	12.790	(0.747)	5949772334	0.40000	0.4000
26 Methoxychlor	13.157	13.157	(0.769)	23860307640	4.00000	4.000
169 Mirex	13.475	13.475	(0.787)	4212507456	0.40000	0.4000

AMOUNTS						
Compounds	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
27 Endrin Ketone	13.529	13.529	(0.790)	6697199731	0.40000	0.4000
\$ 28 DCB	15.434	15.434	(0.902)	10210332030	0.80000	0.8000
* 29 Decachlorodiphenyl Ether	17.115	17.115	(1.000)	19926643419	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051907.d

Calibration Time: 18:23

Lab Smp Id: 1685-135-0.4

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	19926643419	9963321709	39853286838	19926643419	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.12	16.62	17.62	17.12	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: /chem/gcp.i/19May2009.b/P051907.d

Date : 19-May-2009 18:23

Client ID:

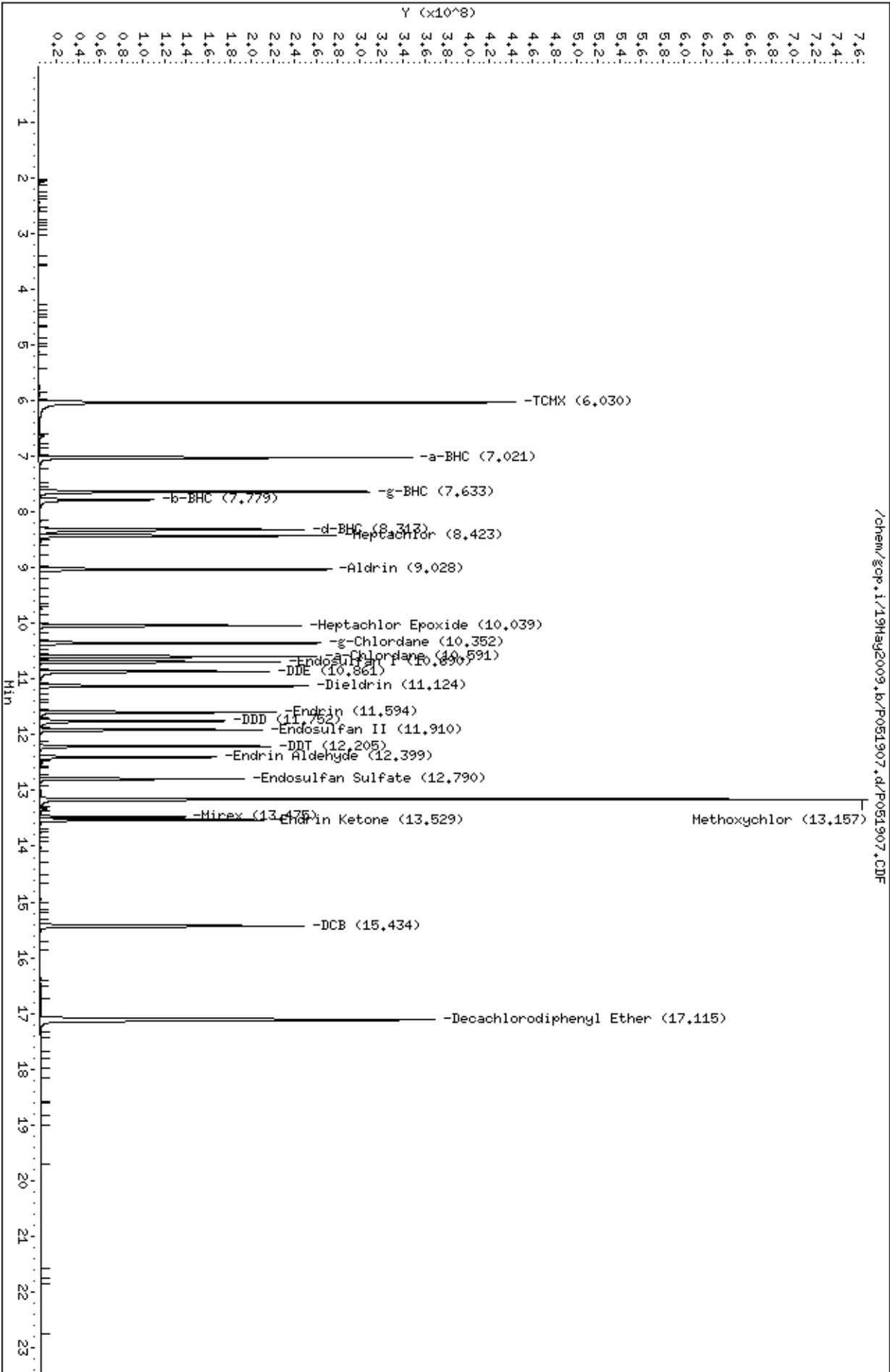
Sample Info: 1685-135-0.4

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051912.d

Lab Smp Id: 1685-127-6.0

Inj Date : 19-MAY-2009 20:37

Operator : LA/rn

Inst ID: gcp.i

Smp Info : 1685-127-6.0

Misc Info : None

Comment : Front column, Rtx-CLPesticides II

Method : /chem/qcp.i/19May2009.b/p0910519.m

Meth Date : 19-May-2009 16:10 rnoonan Quant Type: ISTD

Cal Date : 19-MAY-2009 20:37 Cal File: P051912.d

Als bottle: 1 Calibration Sample, Level: 4

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: tox.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

					AMOUNTS		
					CAL-AMT	ON-COL	
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====		==	=====	=====	=====	=====	=====
M	3 toxaphene				11949733770	6.00000	6.000
	4 toxaphene-1	11.498	11.517	(0.672)	3060669912	6.00000	6.000
	5 toxaphene-2	12.030	12.049	(0.703)	4482979778	6.00000	6.000
	6 toxaphene-3	12.528	12.547	(0.732)	2498515344	6.00000	6.000
	7 toxaphene-4	12.904	12.907	(0.754)	1907568735	6.00000	6.000
*	29 Decachlorodiphenyl Ether	17.117	17.115	(1.000)	21334075296	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051912.d

Calibration Time: 18:23

Lab Smp Id: 1685-127-6.0

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	19926643419	9963321709	39853286838	21334075296	7.06

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.12	16.62	17.62	17.12	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: /chem/gcp.i/19May2009.b/P051912.d

Date : 19-May-2009 20:37

Client ID:

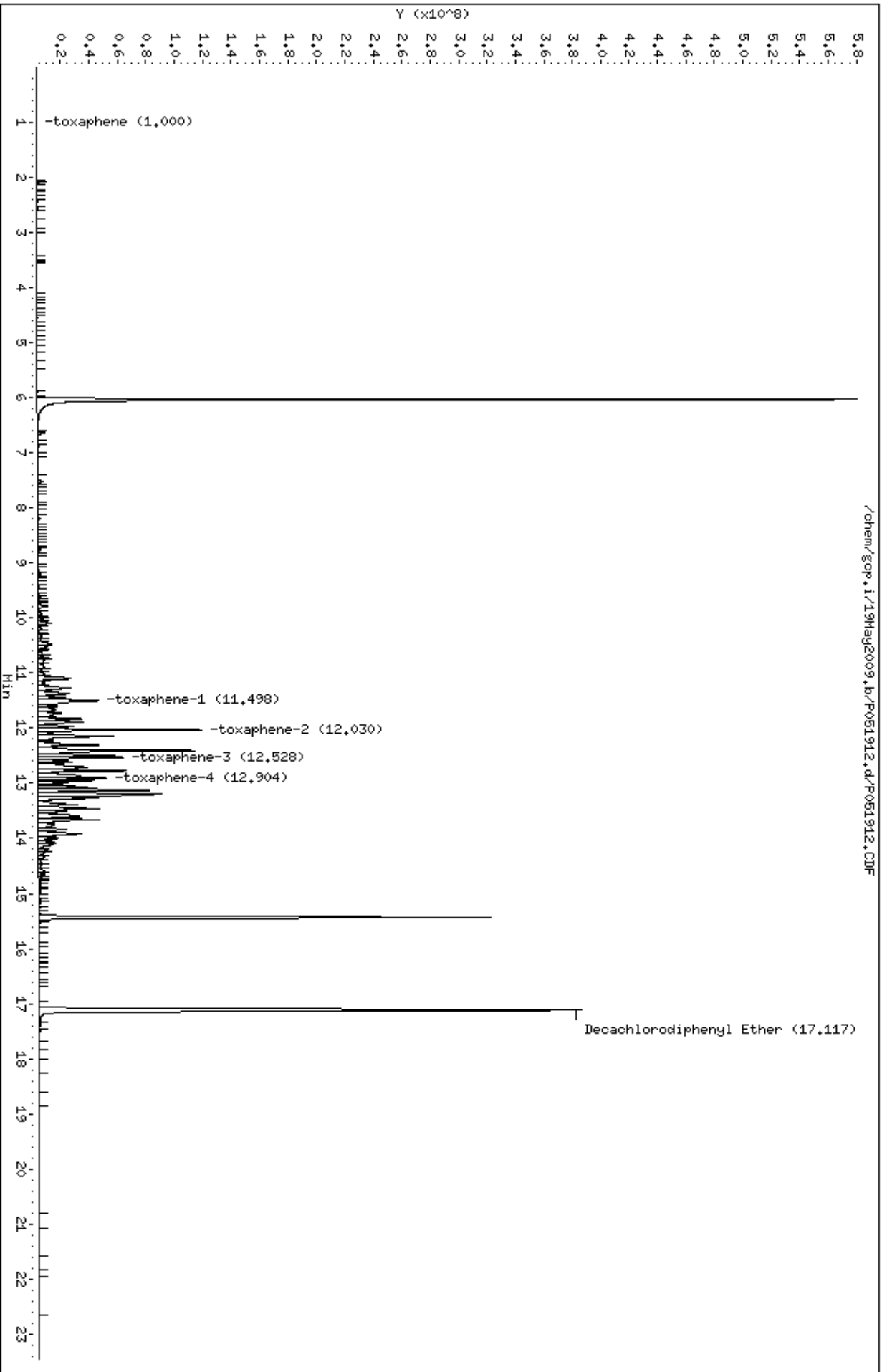
Sample Info: 1685-127-6.0

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051908.d

Lab Smp Id: 1685-135-0.6

Inj Date : 19-MAY-2009 18:50

Operator : LA/rn

Inst ID: gcp.i

Smp Info : 1685-135-0.6

Misc Info : None

Comment : Front column, Rtx-CLPesticides II

Method : /chem/gcp.i/19May2009.b/p0910519.m

Meth Date : 19-May-2009 13:02 lantonic

Quant Type: ISTD

Cal Date : 19-MAY-2009 18:50

Cal File: P051908.d

Als bottle: 1

Calibration Sample, Level: 4

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: pestCCV+mirex.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.029	6.030	(0.352)	22070318378	1.20000	1.066
8 a-BHC	7.021	7.021	(0.410)	16601018476	0.60000	0.5636
9 g-BHC	7.634	7.633	(0.446)	15314716321	0.60000	0.5561
10 b-BHC	7.779	7.779	(0.454)	6281734001	0.60000	0.5492
11 d-BHC	8.314	8.313	(0.486)	14261255743	0.60000	0.5668
12 Heptachlor	8.424	8.423	(0.492)	14118823074	0.60000	0.5351
13 Aldrin	9.029	9.028	(0.527)	13636847370	0.60000	0.5419
14 Heptachlor Epoxide	10.039	10.039	(0.586)	11642272715	0.60000	0.5323
15 g-Chlordane	10.353	10.352	(0.605)	12318775633	0.60000	0.5460
16 a-Chlordane	10.592	10.591	(0.619)	11624796100	0.60000	0.5441
17 Endosulfan I	10.690	10.690	(0.625)	10469433936	0.60000	0.5331
18 DDE	10.862	10.861	(0.635)	11245663238	0.60000	0.5500
19 Dieldrin	11.125	11.124	(0.650)	11498245673	0.60000	0.5429
20 Endrin	11.595	11.594	(0.677)	10210858613	0.60000	0.5462
21 DDD	11.752	11.752	(0.687)	8931065208	0.60000	0.5627
22 Endosulfan II	11.911	11.910	(0.696)	9335798291	0.60000	0.5347
23 DDT	12.206	12.205	(0.713)	9544050595	0.60000	0.5712
24 Endrin Aldehyde	12.401	12.399	(0.724)	7480792938	0.60000	0.5552
25 Endosulfan Sulfate	12.791	12.790	(0.747)	8424417752	0.60000	0.5678
26 Methoxychlor	13.157	13.157	(0.769)	33012836629	6.00000	5.257
169 Mirex	13.476	13.475	(0.787)	6001327631	0.60000	0.5586

AMOUNTS						
Compounds	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
27 Endrin Ketone	13.530	13.529	(0.790)	9435202516	0.60000	0.5564
\$ 28 DCB	15.435	15.434	(0.902)	14423662953	1.20000	1.105
* 29 Decachlorodiphenyl Ether	17.117	17.115	(1.000)	20330333482	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051908.d

Calibration Time: 18:23

Lab Smp Id: 1685-135-0.6

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	19926643419	9963321709	39853286838	20330333482	2.03

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.12	16.62	17.62	17.12	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: /chem/gcp.i/19May2009.b/P051908.d

Date : 19-May-2009 18:50

Client ID:

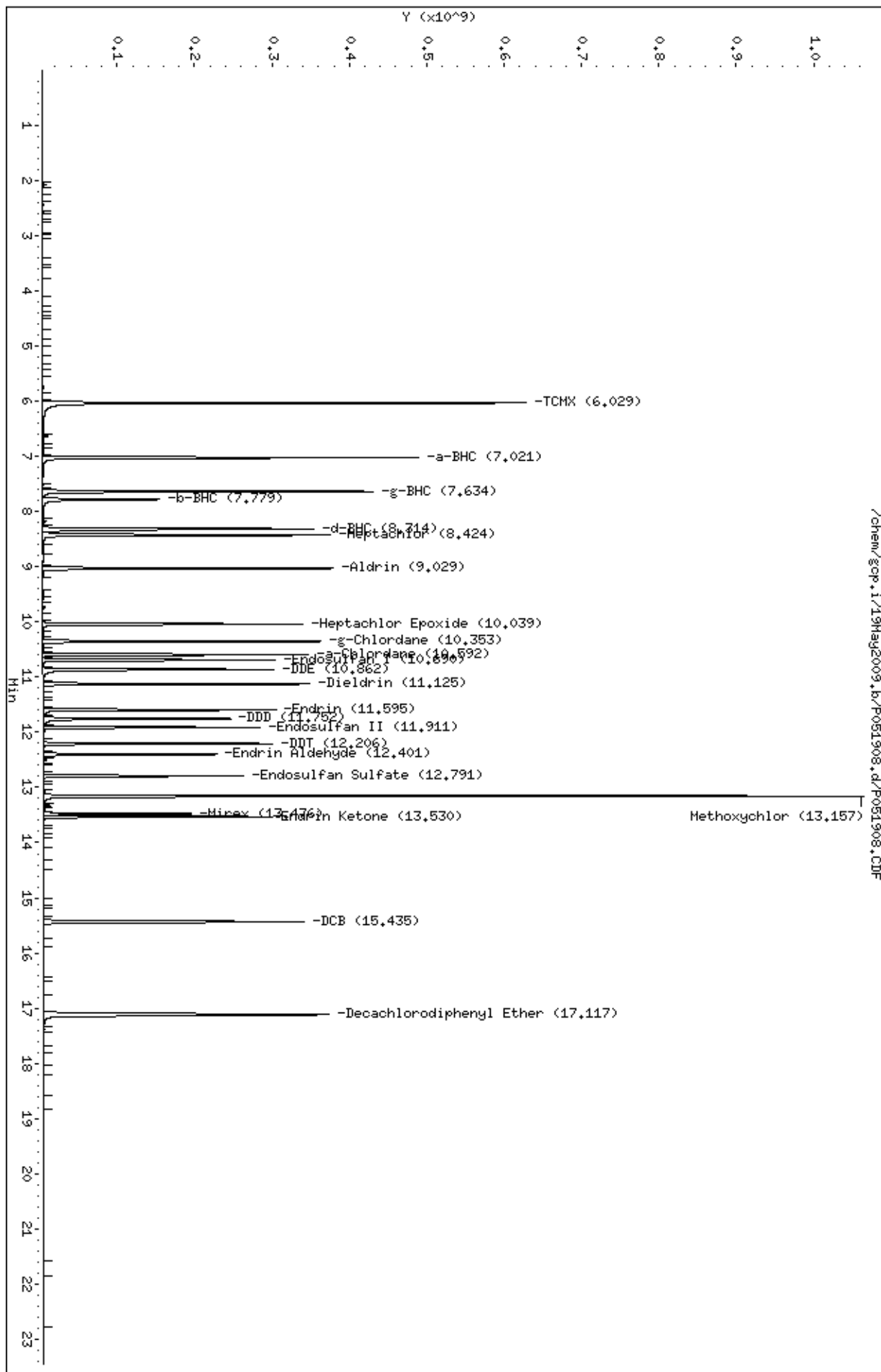
Sample Info: 1685-135-0.6

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051909.d
Lab Smp Id: 1685-135-0.8
Inj Date : 19-MAY-2009 19:17
Operator : LA/rnInst ID: gcp.i
Smp Info : 1685-135-0.8
Misc Info : None
Comment : Front column, Rtx-CLPesticides II
Method : /chem/gcp.i/19May2009.b/p0910519.m
Meth Date : 19-May-2009 13:02 lantonicQuant Type: ISTD
Cal Date : 19-MAY-2009 19:17Cal File: P051909.d
Als bottle: 1Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV+mirex.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.030	6.030	(0.352)	27996431680	1.60000	1.421
8 a-BHC	7.022	7.021	(0.410)	21334657621	0.80000	0.7518
9 g-BHC	7.635	7.633	(0.446)	19864635276	0.80000	0.7493
10 b-BHC	7.779	7.779	(0.454)	8105321892	0.80000	0.7386
11 d-BHC	8.314	8.313	(0.486)	18686274337	0.80000	0.7672
12 Heptachlor	8.424	8.423	(0.492)	17525736898	0.80000	0.7004
13 Aldrin	9.029	9.028	(0.528)	17397821563	0.80000	0.7238
14 Heptachlor Epoxide	10.040	10.039	(0.587)	14791689667	0.80000	0.7109
15 g-Chlordane	10.354	10.352	(0.605)	15815993623	0.80000	0.7321
16 a-Chlordane	10.594	10.591	(0.619)	14914386373	0.80000	0.7296
17 Endosulfan I	10.692	10.690	(0.625)	13287446769	0.80000	0.7110
18 DDE	10.862	10.861	(0.635)	14419465619	0.80000	0.7357
19 Dieldrin	11.126	11.124	(0.650)	14665140547	0.80000	0.7247
20 Endrin	11.595	11.594	(0.677)	13019161260	0.80000	0.7281
21 DDD	11.752	11.752	(0.687)	11578986529	0.80000	0.7562
22 Endosulfan II	11.911	11.910	(0.696)	11914364057	0.80000	0.7160
23 DDT	12.206	12.205	(0.713)	12316368770	0.80000	0.7626
24 Endrin Aldehyde	12.401	12.399	(0.724)	9594813162	0.80000	0.7414
25 Endosulfan Sulfate	12.792	12.790	(0.747)	10853394152	0.80000	0.7579
26 Methoxychlor	13.158	13.157	(0.769)	42101375906	8.00000	7.058
169 Mirex	13.476	13.475	(0.787)	7751874261	0.80000	0.7495

Compounds	AMOUNTS					
				CAL-AMT	ON-COL	
	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
27 Endrin Ketone	13.530	13.529	(0.790)	12072653207	0.80000	0.7414
\$ 28 DCB	15.435	15.434	(0.902)	18533615404	1.60000	1.479
* 29 Decachlorodiphenyl Ether	17.117	17.115	(1.000)	19881409611	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051909.d

Calibration Time: 18:23

Lab Smp Id: 1685-135-0.8

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	19926643419	9963321709	39853286838	19881409611	-0.23

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.12	16.62	17.62	17.12	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: /chem/gcp.i/19May2009.b/P051909.d

Date : 19-May-2009 19:17

Client ID:

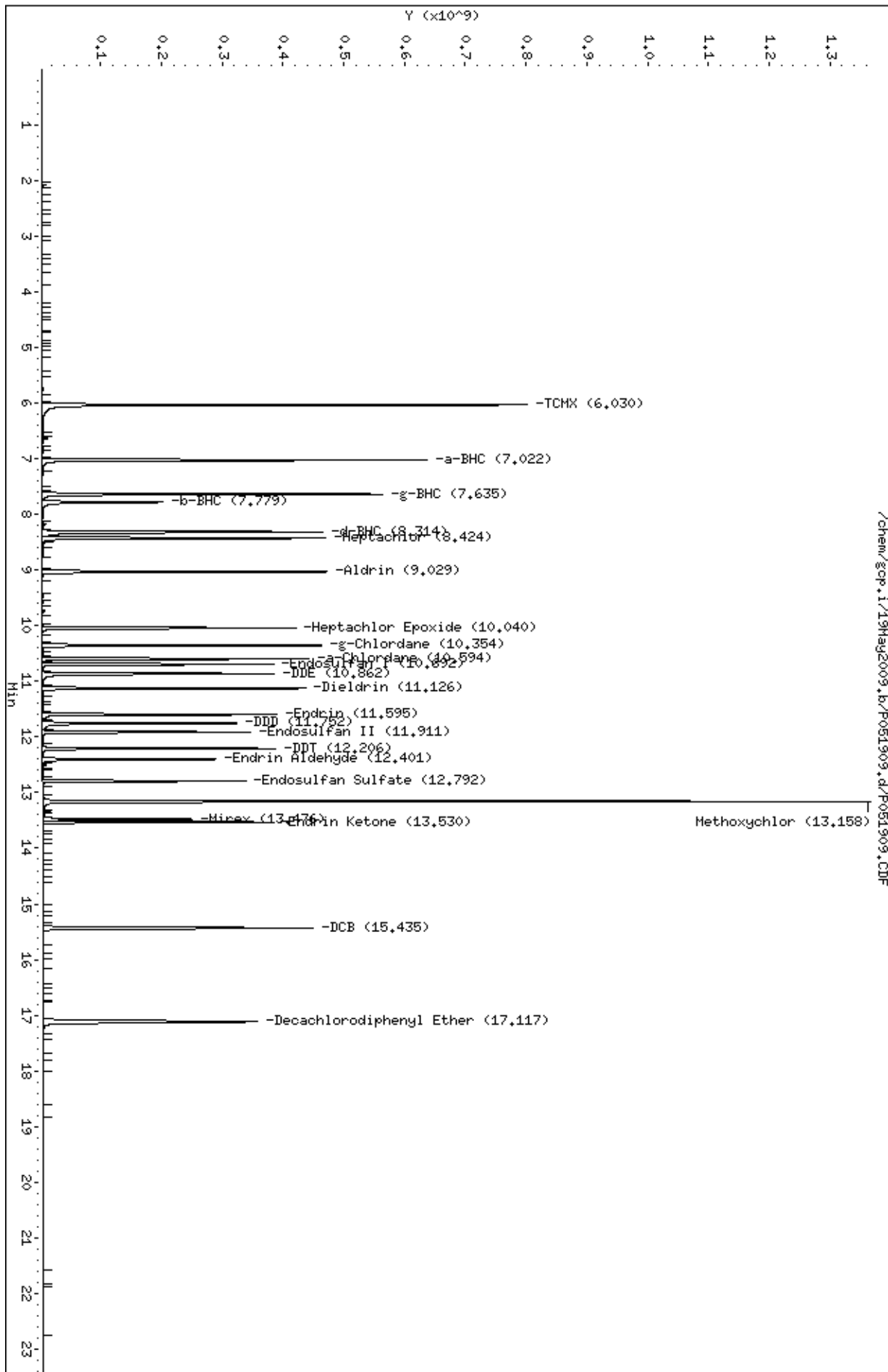
Sample Info: 1685-135-0.8

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051910.d

Lab Smp Id: 1685-135-1.0

Inj Date : 19-MAY-2009 19:43

Operator : LA/rn

Inst ID: gcp.i

Smp Info : 1685-135-1.0

Misc Info : None

Comment : Front column, Rtx-CLPesticides II

Method : /chem/gcp.i/19May2009.b/p0910519.m

Meth Date : 19-May-2009 16:10 rnoonan

Quant Type: ISTD

Cal Date : 19-MAY-2009 19:43

Cal File: P051910.d

Als bottle: 1

Calibration Sample, Level: 6

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: pestCCV+mirex.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.028	6.030	(0.352)	35114596843	2.00000	1.769
8 a-BHC	7.020	7.021	(0.410)	27265320824	1.00000	0.9429
9 g-BHC	7.633	7.633	(0.446)	25359951985	1.00000	0.9393
10 b-BHC	7.777	7.779	(0.454)	10348203459	1.00000	0.9280
11 d-BHC	8.312	8.313	(0.486)	24034623787	1.00000	0.9642
12 Heptachlor	8.423	8.423	(0.492)	21879337539	1.00000	0.8703
13 Aldrin	9.028	9.028	(0.528)	21921521378	1.00000	0.9022
14 Heptachlor Epoxide	10.039	10.039	(0.587)	18637490497	1.00000	0.8884
15 g-Chlordane	10.352	10.352	(0.605)	20159659289	1.00000	0.9198
16 a-Chlordane	10.592	10.591	(0.619)	18981788643	1.00000	0.9160
17 Endosulfan I	10.690	10.690	(0.625)	16712350657	1.00000	0.8872
18 DDE	10.860	10.861	(0.635)	18371347867	1.00000	0.9233
19 Dieldrin	11.125	11.124	(0.650)	18560109843	1.00000	0.9065
20 Endrin	11.594	11.594	(0.677)	16583301353	1.00000	0.9151
21 DDD	11.750	11.752	(0.687)	14922918946	1.00000	0.9542
22 Endosulfan II	11.911	11.910	(0.696)	14879785554	1.00000	0.8872
23 DDT	12.205	12.205	(0.713)	15850629118	1.00000	0.9598
24 Endrin Aldehyde	12.399	12.399	(0.724)	12219722496	1.00000	0.9291
25 Endosulfan Sulfate	12.790	12.790	(0.747)	13969054249	1.00000	0.9550
26 Methoxychlor	13.157	13.157	(0.769)	53933135517	10.0000	8.955
169 Mirex	13.475	13.475	(0.787)	10054626135	1.00000	0.9522

AMOUNTS						
Compounds	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
27 Endrin Ketone	13.529	13.529	(0.790)	15370216805	1.00000	0.9288
\$ 28 DCB	15.434	15.434	(0.902)	23925701053	2.00000	1.876
* 29 Decachlorodiphenyl Ether	17.115	17.115	(1.000)	20491774093	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051910.d

Calibration Time: 18:23

Lab Smp Id: 1685-135-1.0

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	19926643419	9963321709	39853286838	20491774093	2.84

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.12	16.62	17.62	17.11	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: /chem/gcp.i/19May2009.b/P051910.d

Date : 19-May-2009 19:43

Client ID:

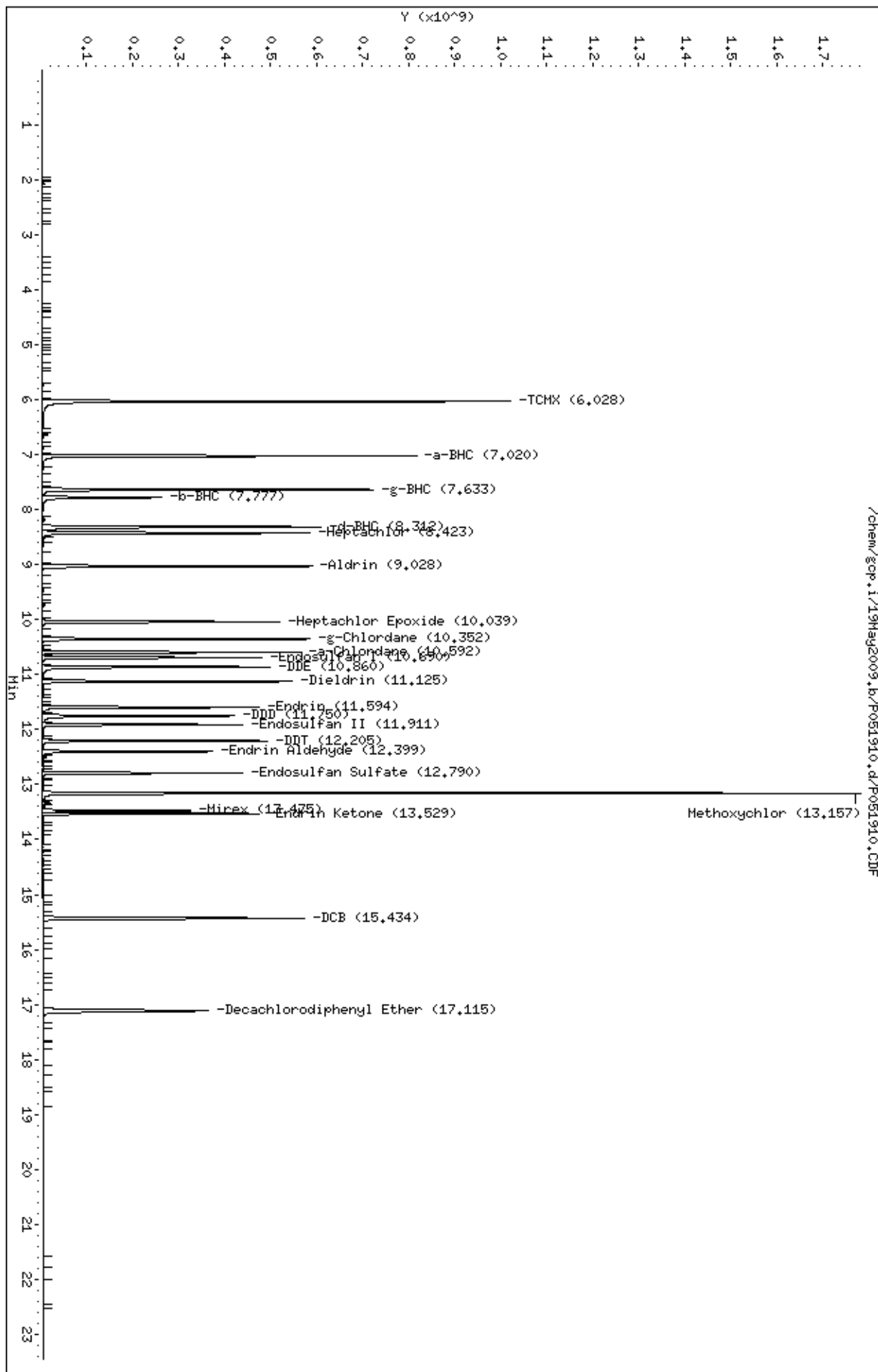
Sample Info: 1685-135-1.0

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051911.d
Lab Smp Id: 1685-135-2.5
Inj Date : 19-MAY-2009 20:10
Operator : LA/rnInst ID: gcp.i
Smp Info : 1685-135-2.5
Misc Info : None
Comment : Front column, Rtx-CLPesticides II
Method : /chem/gcp.i/19May2009.b/p0910519.m
Meth Date : 19-May-2009 16:10 rnoonanQuant Type: ISTD
Cal Date : 19-MAY-2009 20:10Cal File: P051911.d
Als bottle: 1Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV+mirex.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.028	6.030	(0.352)	73195660122	5.00000	3.889(A)
8 a-BHC	7.022	7.021	(0.410)	62536157166	2.50000	2.309
9 g-BHC	7.634	7.633	(0.446)	56949076350	2.50000	2.260(A)
10 b-BHC	7.776	7.779	(0.454)	23082166911	2.50000	2.223
11 d-BHC	8.311	8.313	(0.486)	54860185220	2.50000	2.345
12 Heptachlor	8.425	8.423	(0.492)	44019549649	2.50000	1.918(A)
13 Aldrin	9.030	9.028	(0.528)	45617404669	2.50000	2.040(A)
14 Heptachlor Epoxide	10.041	10.039	(0.587)	38540735037	2.50000	2.002
15 g-Chlordane	10.354	10.352	(0.605)	43386888689	2.50000	2.138
16 a-Chlordane	10.594	10.591	(0.619)	40592628044	2.50000	2.118
17 Endosulfan I	10.692	10.690	(0.625)	34432925059	2.50000	1.993
18 DDE	10.860	10.861	(0.634)	38549931425	2.50000	2.098
19 Dieldrin	11.126	11.124	(0.650)	38682963433	2.50000	2.052(A)
20 Endrin	11.596	11.594	(0.677)	34577202452	2.50000	2.070(A)
21 DDD	11.750	11.752	(0.686)	32618937080	2.50000	2.238
22 Endosulfan II	11.911	11.910	(0.696)	31856277405	2.50000	2.062
23 DDT	12.205	12.205	(0.713)	34455055395	2.50000	2.238(A)
24 Endrin Aldehyde	12.401	12.399	(0.724)	26091056913	2.50000	2.142
25 Endosulfan Sulfate	12.791	12.790	(0.747)	30421182628	2.50000	2.232
26 Methoxychlor	13.161	13.157	(0.769)	89961299657	25.0000	15.75
169 Mirex	13.477	13.475	(0.787)	22535818067	2.50000	2.283

Compounds	AMOUNTS					
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
27 Endrin Ketone	13.530	13.529	(0.790)	32858860253	2.50000	2.144
\$ 28 DCB	15.436	15.434	(0.902)	52727654537	5.00000	4.441(A)
* 29 Decachlorodiphenyl Ether	17.118	17.115	(1.000)	19432365788	2.00000	

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051911.d

Calibration Time: 18:23

Lab Smp Id: 1685-135-2.5

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	19926643419	9963321709	39853286838	19432365788	-2.48

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.12	16.62	17.62	17.12	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: /chem/gcp.i/19May2009.b/P051911.d

Date : 19-May-2009 20:10

Client ID:

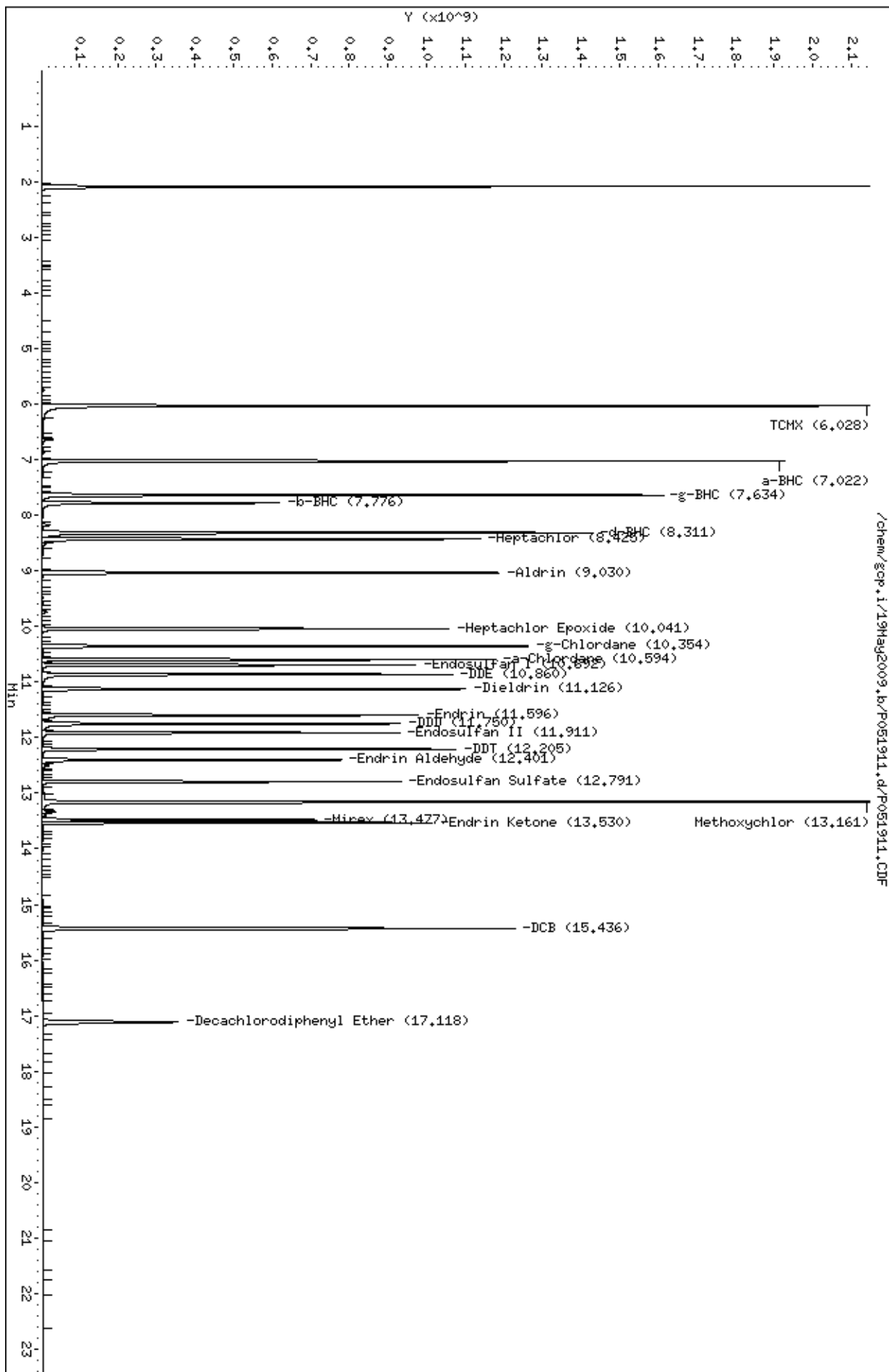
Sample Info: 1685-135-2.5

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAY-2009 17:30
 End Cal Date : 19-MAY-2009 20:37
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP Genie
 Method file : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m
 Cal Date : 20-May-2009 08:19 lantonic
 Curve Type : Average

Compound	0.10000	0.20000	0.40000	0.60000	0.80000	1.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	2.500							
	Level 7							
10 b-BHC	0.81292	0.79245	0.83550	0.78789	0.79980	0.81006		
	0.81955						0.80831	2.040
11 d-BHC	1.71638	1.77233	1.98203	1.91170	1.89650	1.94368		
	2.02578						1.89263	5.877
12 Heptachlor	1.78384	1.83644	1.94902	1.84281	1.86177	1.88052		
	1.83636						1.85582	2.733
13 Aldrin	1.69800	1.76298	1.88450	1.78900	1.81134	1.83331		
	1.80005						1.79703	3.230
14 Heptachlor Epoxide	1.56501	1.58947	1.67671	1.57178	1.58314	1.59444		
	1.55718						1.59111	2.515
15 g-Chlordane	1.59477	1.63949	1.75806	1.66107	1.68542	1.71499		
	1.70907						1.68041	3.210
16 a-Chlordane	1.56551	1.59152	1.69381	1.59554	1.61296	1.64011		
	1.62799						1.61821	2.563
17 DDE	1.40755	1.40046	1.55177	1.47856	1.50409	1.53929		
	1.53981						1.48879	4.236
18 Endosulfan I	1.46805	1.52440	1.60742	1.49517	1.49957	1.50732		
	1.45642						1.50833	3.275
19 Dieldrin	1.55166	1.60249	1.71508	1.61363	1.62790	1.65210		
	1.62507						1.62685	3.058

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAY-2009 17:30
 End Cal Date : 19-MAY-2009 20:37
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP Genie
 Method file : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m
 Cal Date : 20-May-2009 08:19 lantonic
 Curve Type : Average

Compound	0.10000	0.20000	0.40000	0.60000	0.80000	1.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	2.500							
	Level 7							
20 Endrin	1.39653	1.43525	1.52245	1.42955	1.43678	1.46210		
	1.41927						1.44313	2.783
21 DDD	1.17702	1.21567	1.34638	1.27594	1.29348	1.32224		
	1.32560						1.27947	4.861
22 Endosulfan II	1.37600	1.38801	1.47244	1.33648	1.34028	1.33258		
	1.33621						1.36886	3.700
23 DDT	1.32732	1.36556	1.47739	1.40714	1.42057	1.46030		
	1.44592						1.41489	3.776
24 Endrin Aldehyde	1.15746	1.15293	1.19980	1.12665	1.13054	1.14408		
	1.13398						1.14935	2.177
25 Methoxychlor	0.64395	0.63213	0.65077	0.61080	0.61427	0.63138		
	+++++						0.63055	2.504
168 Mirex	1.07161	1.03118	1.06973	0.99424	0.99673	1.02634		
	1.02119						1.03015	3.015
26 Endosulfan Sulfate	1.23423	1.23521	1.32139	1.23082	1.24646	1.28387		
	1.27391						1.26084	2.678
27 Endrin Ketone	1.57105	1.57302	1.64873	1.54219	1.54512	1.57006		
	1.54022						1.57006	2.396
\$ 2 TCMX	1.56752	1.56900	1.64608	1.56091	1.56873	1.57058		
	1.55087						1.57624	2.002

INITIAL CALIBRATION DATA

```
Start Cal Date      : 19-MAY-2009 17:30
End Cal Date       : 19-MAY-2009 20:37
Quant Method       : ISTD
Origin             : Disabled
Target Version     : 3.50
Integrator         : HP Genie
Method file        : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m
Cal Date           : 20-May-2009 08:19 lantonic
Curve Type         : Average
```

[illegible]

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAY-2009 17:30
End Cal Date : 19-MAY-2009 20:37
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m
Cal Date : 20-May-2009 08:19 lantonic
Curve Type : Average

Average %RSD Results.	
=====	
Calculated Average %RSD = 3.28182554	
Maximun Average %RSD = 20	
* Passed Average %RSD Test.	

Calibration History

Method : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m
Start Cal Date: 19-MAY-2009 17:30
End Cal Date : 19-MAY-2009 20:37

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.10000		
19-MAY-2009 17:30	pestCCV+mirex	/chem/gcp.i/19May2009.b/P051905b.d
Cal Level: 2 , Cal Amount: 0.20000		
19-MAY-2009 17:57	pestCCV+mirex	/chem/gcp.i/19May2009.b/P051906b.d
Cal Level: 3 , Cal Amount: 0.40000		
19-MAY-2009 18:23	pestCCV+mirex	/chem/gcp.i/19May2009.b/P051907b.d
Cal Level: 4 , Cal Amount: 0.60000		
19-MAY-2009 20:37	tox	/chem/gcp.i/19May2009.b/P051912b.d
19-MAY-2009 18:50	pestCCV+mirex	/chem/gcp.i/19May2009.b/P051908b.d
Cal Level: 5 , Cal Amount: 0.80000		
19-MAY-2009 19:17	pestCCV+mirex	/chem/gcp.i/19May2009.b/P051909b.d
Cal Level: 6 , Cal Amount: 1.00000		
19-MAY-2009 19:44	pestCCV+mirex	/chem/gcp.i/19May2009.b/P051910b.d
Cal Level: 7 , Cal Amount: 2.50000		
19-MAY-2009 20:10	pestCCV+mirex	/chem/gcp.i/19May2009.b/P051911b.d

Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 3

+-----+-----+-----+-----+	
Ccal Level: 3 , Ccal Amount: 0.4000	
+=====+	
19-MAY-2009 18:23 pestCCV+mirex	/chem/gcp.i/19May2009.b/P051907ab.d
+-----+-----+-----+-----+	
Ccal Level: 3 , Ccal Amount: 0.4000	
+=====+	
19-MAY-2009 18:23 pestCCV+mirex	/chem/gcp.i/19May2009.b/P051907b.d
+-----+-----+-----+-----+	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 19-MAY-2009 17:30
End Cal Date : 19-MAY-2009 20:37
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m
Cal Date : 20-May-2009 08:19 lantonic
Curve Type : Average

*Upper range for
Methoxychlor
is 10 ppm*

*2nd Source: P051914b
Mirex 2nd Source: P051913b
TOX: P051912b*

Calibration File Names:
Level 1: /chem/gcp.i/19May2009.b/P051905b.d
Level 2: /chem/gcp.i/19May2009.b/P051906b.d
Level 3: /chem/gcp.i/19May2009.b/P051907b.d
Level 4: /chem/gcp.i/19May2009.b/P051912b.d
Level 5: /chem/gcp.i/19May2009.b/P051909b.d
Level 6: /chem/gcp.i/19May2009.b/P051910b.d
Level 7: /chem/gcp.i/19May2009.b/P051911b.d

Based on 1ul injection in Hexane

Compound	0.10000	0.20000	0.40000	0.60000	0.80000	1.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
<i>unit in ppm</i>	2.500							
	Level 7							
=====								
M 3 toxaphene *	+++++	+++++	+++++	0.16464	+++++	+++++		
	+++++						0.16464	0.000

4 toxaphene-1	+++++	+++++	+++++	0.05826	+++++	+++++		
	+++++						0.05826	0.000

5 toxaphene-2	+++++	+++++	+++++	0.04119	+++++	+++++		
	+++++						0.04119	0.000

6 toxaphene-3	+++++	+++++	+++++	0.03150	+++++	+++++		
	+++++						0.03150	0.000

7 toxaphene-4	+++++	+++++	+++++	0.03369	+++++	+++++		
	+++++						0.03369	0.000

8 a-BHC	1.94685	2.03442	2.22354	2.14186	2.19265	2.23174		
	2.29842						2.15278	5.707

9 g-BHC	1.86443	1.92120	2.08465	1.99413	2.03517	2.06604		
	2.11167						2.01104	4.494

* Calibration level : 6.0 ppm

5/20/09

5/20/09

Method: Mod. TO-4A/TO-10A

80

IS Std ID	IS	Area Counts	Breakdown %
NA	1-Bromo-2-Nitrobenzene	Front: NA Back: 1	Endrin Front: 2.31% Back: 2.25%
1685-320-50	Decafluorodiphenyl Ether	Front: 19926643419 Back: 6349112896	DDT Front: 3.12% Back: 2.51%
NA	NA	Front: NA Back: 1	must be ≤15%

Injection Volume: 1.0 µL

GMT

USE	File #	Sample / Client Name	Vial #	Dil. Factor	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
✓	0051901	Hexane Wash	1	1.00	LA	5/19/09	1521	LA	
✓	02	1685-143-0.8 m/dil	2				1548		
X	03	1685-135-0.6 Post	3				1615		ccv ↑
✓	04	Hexane Blank	4				1642		
✓	05	1685-135-0.1	5		RTN/LA		1730		Level 1
✓	06	-0.2	6				1757		Level 2
✓	07	-0.4	7				1823		Level 3, ccv
✓	08	-0.6	8				1850		Level 4
✓	09	-0.8	9				1917		Level 5
✓	10	-1.0	10				1943		Level 6
✓	11	✓ -5.0, 50:100	11				2010		Level 7, 2.5 ppm
✓	12	1685-127-6.0 TOX	12				2037		TOX
✓	13	1685-109A-1.0	13				2104		LCS murex
✓	14	1685-136-0.4	14				2130		LCS
✓	15	Hexane Blank	15				2157		
✓	16	0905142A-Blank	16				2328		
✓	17	-LCS	17			✓	2355		LCS
✓	18	-OIA	18			5/20/09	0021		
✓	19	-OIAA	18				0048		
✓	20	✓ -OIA	19				0115		
✓	21	1685-135-0.4	20				0142		
✓	22	Hexane Blank	21				0208		
✓	23	0905261A-Blank	22				0235		
✓	✓ 24	✓ -LCS	23	✓	✓	✓	0302		LCS

Calculation Check:

File ID: 0051914Compound: g-BHCInitials: am

$$\text{nG On Column} = \frac{\text{Area of Compound in Sample} \times \text{Conc. Int. Standard}}{\text{Area of Int. Standard in Sample} \times \text{ICAL RRF}_{\text{AVG}}} = \frac{9829798842 \times (2.100)}{21268438302 \times (2.25192)} = 2.59350$$

$$\mu\text{G/Sample} = \frac{\text{nG On Column} \times 1000 \mu\text{L Final Vol.} \times \text{D.F.}}{1.0 \mu\text{L Inj. Vol.} \times 1000 \text{ nG}/\mu\text{G}} = \frac{(0.35742) \times (1000) \times (1.00)}{(1000)} = 0.35742$$

0.35742

0.35742

Reported Result = 0.3574am

Signed

5/20/09

Date

Revised: 02/27/06

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051902.d

Lab Smp Id: 1685-143-0.8 Client Smp ID: BREAKDOWN

Inj Date : 19-MAY-2009 15:48

Operator : LA Inst ID: gcp.i

Smp Info : 1685-143-0.8

Misc Info : None

Comment : Primary Column, RTX-CLPesticides II

Method : /chem/gcp.i/19May2009.b/BREAK.m

Meth Date : 29-Apr-2009 09:16 lantonic Quant Type: ESTD

Cal Date : Cal File:

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds						CONCENTRATIONS	
	RT	EXP RT	DLT RT	RESPONSE		ON-COLUMN (area)	FINAL (area)
M 1 Total DDT				9907148577			
M 2 Total Endrin				11771148865			
3 p,p'-DDE	10.867	11.033	-0.166	52545510			
4 Endrin	11.596	11.674	-0.078	11499305683			
5 p,p'-DDD	11.758	11.836	-0.078	256731395			
6 p,p'-DDT	12.207	12.236	-0.029	9597871672			
7 Endrin Aldehyde	12.403	12.433	-0.030	86207858			
8 Endrin Ketone	13.532	13.699	-0.167	185635323			

Endrin Breakdown = $\frac{86207858 + 185635323}{11771148865} \times 100 = 2.31\%$

DDT Breakdown = $\frac{52545510 + 256731395}{9907148577} \times 100 = 3.12\%$

run 5/20/09

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051902b.d
Lab Smp Id: 1685-143-0.8 Client Smp ID: BREAKDOWN
Inj Date : 19-MAY-2009 15:48
Operator : LA Inst ID: gcp.i
Smp Info : 1685-143-0.8
Misc Info : None
Comment : Confirmation Column, RTX-CLPesticides
Method : /chem/gcp.i/19May2009.b/BREAK.m/BREAKB.m
Meth Date : 30-Jul-2003 09:29 lizhang Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (area)	FINAL (area)
M 1 Total DDT				3092786588		
M 2 Total Endrin				3417949801		
3 p,p'-DDE	10.240	10.260	-0.020	13604321		
4 Endrin	11.096	11.113	-0.017	3341046962		
5 p,p'-DDD	11.184	11.204	-0.020	64059536		
6 p,p'-DDT	11.593	11.768	-0.175	3015122731		
7 Endrin Aldehyde	12.047	12.227	-0.180	12336504		
8 Endrin Ketone	13.048	13.227	-0.179	64566333		

$$\text{Endrin Breakdown} = \frac{12336504 + 64566333}{3417949801} \times 100 = 2.25\%$$

$$\text{DDT Breakdown} = \frac{13604321 + 64059536}{3092786588} \times 100 = 2.51\%$$

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 19May2009
 Sample Matrix: GAS Fraction:
 Lab Smp Id: 1685-136-0.4-4.0 Client Smp ID: LCS
 Level: LOW Operator: LA/rn
 Data Type: GC DATA SampleType: LCS
 SpikeList File: 1050-159.spk Quant Type: ISTD
 Sublist File: pestCCV.sub
 Method File: /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m
 Misc Info: None

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.8000	0.6413	80.16*	85-115
8 a-BHC	0.4000	0.3682	92.05	85-115
10 b-BHC	0.4000	0.3596	89.91	85-115
9 g-BHC	0.4000	0.3511	87.77	85-115
11 d-BHC	0.4000	0.3602	90.04	85-115
12 Heptachlor	0.4000	0.3720	93.01	85-115
13 Aldrin	0.4000	0.3671	91.77	85-115
14 Heptachlor Epoxide	0.4000	0.3720	93.00	85-115
18 Endosulfan I	0.4000	0.3865	96.64	85-115
17 DDE	0.8000	0.7371	92.14	85-115
19 Dieldrin	0.8000	0.7529	94.12	85-115
20 Endrin	0.8000	0.7346	91.83	85-115
22 Endosulfan II	0.8000	0.7348	91.85	85-115
21 DDD	0.8000	0.7468	93.35	85-115
24 Endrin Aldehyde	0.8000	0.6537	81.71*	85-115
26 Endosulfan Sulfate	0.8000	0.7142	89.27	85-115
23 DDT	0.8000	0.7417	92.71	85-115
27 Endrin Ketone	0.8000	0.6851	85.63	85-115
16 a-Chlordane	0.4000	0.3654	91.35	85-115
15 g-Chlordane	0.4000	0.3590	89.76	85-115
25 Methoxychlor	4.000	3.663	91.57	85-115
\$ 28 DCB	1.600	1.235	77.19*	85-115

avg : 89.86 mns/2009

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.7000	0.6413	80.16	60-120
\$ 28 DCB	1.100	1.235	77.19	60-120

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051914b.d
Lab Smp Id: 1685-136-0.4-4.0Client Smp ID: LCS
Inj Date : 19-MAY-2009 21:30
Operator : LA/rnInst ID: gcp.i
Smp Info : 1685-136-0.4-4.0
Misc Info : None
Comment : Back column, Rtx-CLPesticides
Method : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m
Meth Date : 20-May-2009 08:19 lantonicQuant Type: ISTD
Cal Date : 19-MAY-2009 20:37Cal File: P051912b.d
Als bottle: 1QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.847	5.845	(0.372)	3367220304	0.64131	0.6413(R)
8 a-BHC	6.722	6.720	(0.427)	2640423232	0.36821	0.3682
9 g-BHC	7.245	7.242	(0.461)	2351882453	0.35109	0.3511
10 b-BHC	7.389	7.386	(0.470)	968359722	0.35965	0.3596
11 d-BHC	7.705	7.701	(0.490)	2270691936	0.36017	0.3602
12 Heptachlor	8.064	8.062	(0.513)	2299782944	0.37202	0.3720
13 Aldrin	8.612	8.609	(0.548)	2197352608	0.36708	0.3671
14 Heptachlor Epoxide	9.693	9.691	(0.616)	1971659424	0.37201	0.3720
15 g-Chlordane	9.903	9.901	(0.630)	2009690592	0.35903	0.3590
16 a-Chlordane	10.124	10.121	(0.644)	1969700451	0.36542	0.3654
18 Endosulfan I	10.354	10.352	(0.658)	1942126574	0.38655	0.3865
17 DDE	10.242	10.240	(0.651)	3655409182	0.73709	0.7371
19 Dieldrin	10.737	10.734	(0.683)	4080182368	0.75293	0.7529
20 Endrin	11.100	11.098	(0.706)	3531507449	0.73464	0.7346
21 DDD	11.185	11.183	(0.711)	3182726272	0.74677	0.7468
22 Endosulfan II	11.441	11.438	(0.728)	3350391440	0.73478	0.7348
23 DDT	11.597	11.595	(0.738)	3495515395	0.74167	0.7417
24 Endrin Aldehyde	12.050	12.048	(0.766)	2502635566	0.65368	0.6537(R)
26 Endosulfan Sulfate	12.663	12.661	(0.805)	2999481475	0.71418	0.7142
25 Methoxychlor	12.278	12.275	(0.781)	7693346518	3.66282	3.663
27 Endrin Ketone	13.051	13.049	(0.830)	3582885696	0.68508	0.6851

CONCENTRATIONS						
Compounds	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 28 DCB	14.399	14.396	(0.916)	5179038862	1.23511	1.235(R)
* 29 Decachlorodiphenyl Ether	15.725	15.720	(1.000)	6662073971	2.00000	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051914b.d

Calibration Time: 18:23

Lab Smp Id: 1685-136-0.4-4.0

Client Smp ID: LCS

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 Decachlorodipheny	6349112896	3174556448	12698225792	6662073971	4.93
-----	-----	-----	-----	-----	-----

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 Decachlorodipheny	15.72	15.22	16.22	15.72	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 19May2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 1685-136-0.4-4.0	Client Smp ID: LCS
Level: LOW	Operator: LA/rn
Data Type: GC DATA	SampleType: LCS
SpikeList File: 1050-159.spk	Quant Type: ISTD
Sublist File: pestCCV.sub	
Method File: /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m	
Misc Info: None	

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.8000	0.6413	80.16*	85-115
8 a-BHC	0.4000	0.3682	92.05	85-115
10 b-BHC	0.4000	0.3596	89.91	85-115
9 g-BHC	0.4000	0.3511	87.77	85-115
11 d-BHC	0.4000	0.3602	90.04	85-115
12 Heptachlor	0.4000	0.3720	93.01	85-115
13 Aldrin	0.4000	0.3671	91.77	85-115
14 Heptachlor Epoxide	0.4000	0.3720	93.00	85-115
18 Endosulfan I	0.4000	0.3865	96.64	85-115
17 DDE	0.8000	0.7371	92.14	85-115
19 Dieldrin	0.8000	0.7529	94.12	85-115
20 Endrin	0.8000	0.7346	91.83	85-115
22 Endosulfan II	0.8000	0.7348	91.85	85-115
21 DDD	0.8000	0.7468	93.35	85-115
24 Endrin Aldehyde	0.8000	0.6537	81.71*	85-115
26 Endosulfan Sulfate	0.8000	0.7142	89.27	85-115
23 DDT	0.8000	0.7417	92.71	85-115
27 Endrin Ketone	0.8000	0.6851	85.63	85-115
16 a-Chlordane	0.4000	0.3654	91.35	85-115
15 g-Chlordane	0.4000	0.3590	89.76	85-115
25 Methoxychlor	4.000	3.663	91.57	85-115
\$ 28 DCB	1.600	1.235	77.19*	85-115

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.7000	0.6413	80.16	60-120
\$ 28 DCB	1.100	1.235	77.19	60-120

Data File: /chem/gcp.i/19May2009.b/P051914b.d

Date : 19-May-2009 21:30

Client ID: LCS

Sample Info: 1685-136-0.4-4.0

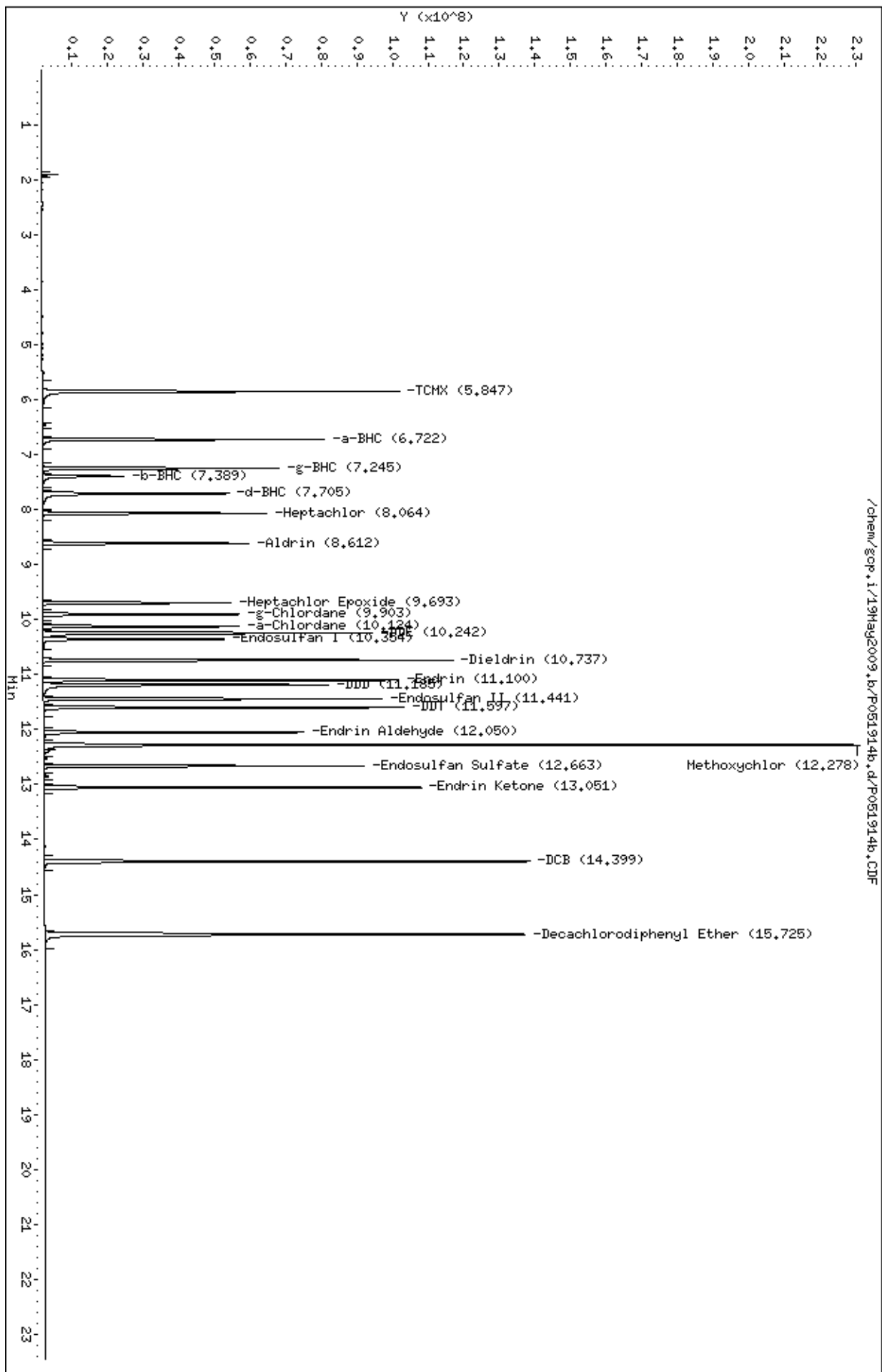
Page 1

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051913b.d
Lab Smp Id: 1685-109A-1.0 Client Smp ID: LCS
Inj Date : 19-MAY-2009 21:04
Operator : LA/rn Inst ID: gcp.i
Smp Info : 1685-109A-1.0
Misc Info : None
Comment : Back column, Rtx-CLPesticides
Method : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m
Meth Date : 20-May-2009 08:19 lantonic Quant Type: ISTD
Cal Date : 19-MAY-2009 20:37 Cal File: P051912b.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: mirex.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds						CONCENTRATIONS	
	RT	EXP RT	REL RT	RESPONSE		ON-COLUMN	FINAL
=====	==	=====	=====	=====		(ug)	(ug)
\$ 2 TCMX				Compound Not Detected.			
168 Mirex	12.524	12.522	(0.796)	3350294261		0.97831	0.9783
\$ 28 DCB				Compound Not Detected.			
* 29 Decachlorodiphenyl Ether	15.723	15.720	(1.000)	6648693480		2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051913b.d

Calibration Time: 18:23

Lab Smp Id: 1685-109A-1.0

Client Smp ID: LCS

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 Decachlorodipheny	6349112896	3174556448	12698225792	6648693480	4.72
-----	-----	-----	-----	-----	-----

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
29 Decachlorodipheny	15.72	15.22	16.22	15.72	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 19May2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 1685-109A-1.0	Client Smp ID: LCS
Level: LOW	Operator: LA/rn
Data Type: GC DATA	SampleType: LCS
SpikeList File: mirex.spk	Quant Type: ISTD
Sublist File: mirex.sub	
Method File: /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m	
Misc Info: None	

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
168 Mirex	1.000	0.9783	97.83	85-115

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.6000	0.000	*	60-120
\$ 28 DCB	0.6000	0.000	*	60-120

Data File: /chem/gcp.i/19May2009.b/P051913b.d

Date : 19-May-2009 21:04

Client ID: LCS

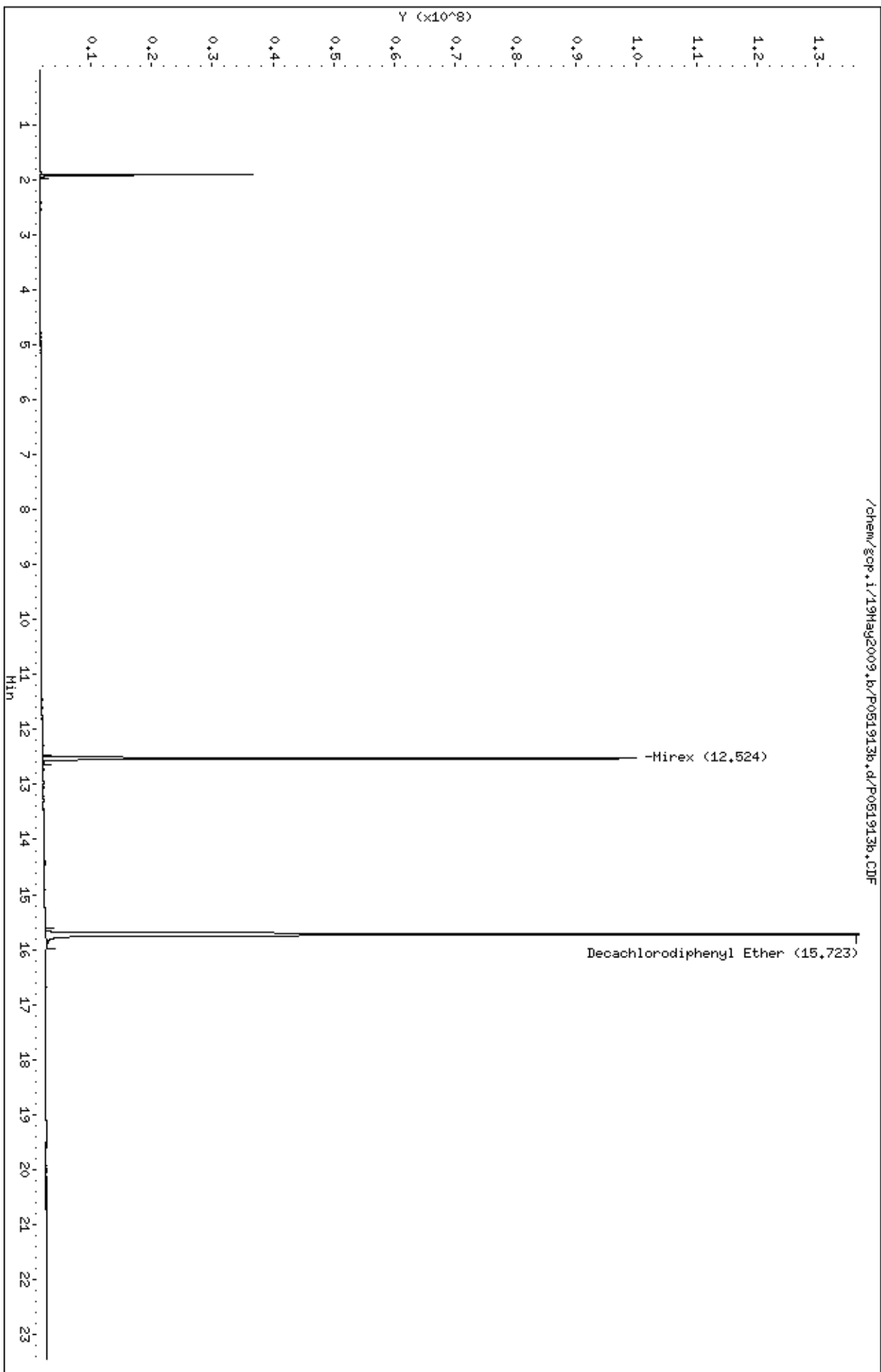
Sample Info: 1685-109A-1.0

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051905b.d
Lab Smp Id: 1685-135-0.1
Inj Date : 19-MAY-2009 17:30
Operator : LA/rnInst ID: gcp.i
Smp Info : 1685-135-0.1
Misc Info : None
Comment : Back column, Rtx-CLPesticides
Method : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m
Meth Date : 19-May-2009 13:02 lantonicQuant Type: ISTD
Cal Date : 19-MAY-2009 17:30Cal File: P051905b.d
Als bottle: 1Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV+mirex.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.836	5.845	(0.371)	974163072	0.20000	0.1951
8 a-BHC	6.711	6.720	(0.427)	604954480	0.10000	0.09336
9 g-BHC	7.234	7.242	(0.460)	579343968	0.10000	0.09442
10 b-BHC	7.380	7.386	(0.469)	252603949	0.10000	0.09863
11 d-BHC	7.694	7.701	(0.489)	533340432	0.10000	0.09282
12 Heptachlor	8.054	8.062	(0.512)	554300864	0.10000	0.09557
13 Aldrin	8.601	8.609	(0.547)	527628535	0.10000	0.09479
14 Heptachlor Epoxide	9.685	9.691	(0.616)	486304216	0.10000	0.09655
15 g-Chlordane	9.895	9.901	(0.629)	495550238	0.10000	0.09513
16 a-Chlordane	10.116	10.121	(0.644)	486458714	0.10000	0.09606
18 Endosulfan I	10.348	10.352	(0.658)	456173739	0.10000	0.09547
17 DDE	10.236	10.240	(0.651)	437375930	0.10000	0.09513
19 Dieldrin	10.730	10.734	(0.683)	482153792	0.10000	0.09500
20 Endrin	11.095	11.098	(0.706)	433951570	0.10000	0.09569
21 DDD	11.181	11.183	(0.711)	365739893	0.10000	0.09329
22 Endosulfan II	11.435	11.438	(0.727)	427571120	0.10000	0.09661
23 DDT	11.593	11.595	(0.737)	412442944	0.10000	0.09465
24 Endrin Aldehyde	12.046	12.048	(0.766)	359664128	0.10000	0.09820
26 Endosulfan Sulfate	12.659	12.661	(0.805)	383518286	0.10000	0.09659
25 Methoxychlor	12.275	12.275	(0.781)	2000984676	1.00000	0.9947
168 Mirex	12.520	12.522	(0.796)	332986148	0.10000	0.1001

AMOUNTS						
Compounds	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
27 Endrin Ketone	13.048	13.049	(0.830)	488178532	0.10000	0.09759
\$ 28 DCB	14.396	14.396	(0.916)	807649760	0.20000	0.1993
* 29 Decachlorodiphenyl Ether	15.720	15.720	(1.000)	6214695272	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051905b.d

Calibration Time: 18:23

Lab Smp Id: 1685-135-0.1

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	6349112896	3174556448	12698225792	6214695272	-2.12

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.72	15.22	16.22	15.72	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: /chem/gcp.i/19May2009.b/P051905b.d

Date : 19-May-2009 17:30

Client ID:

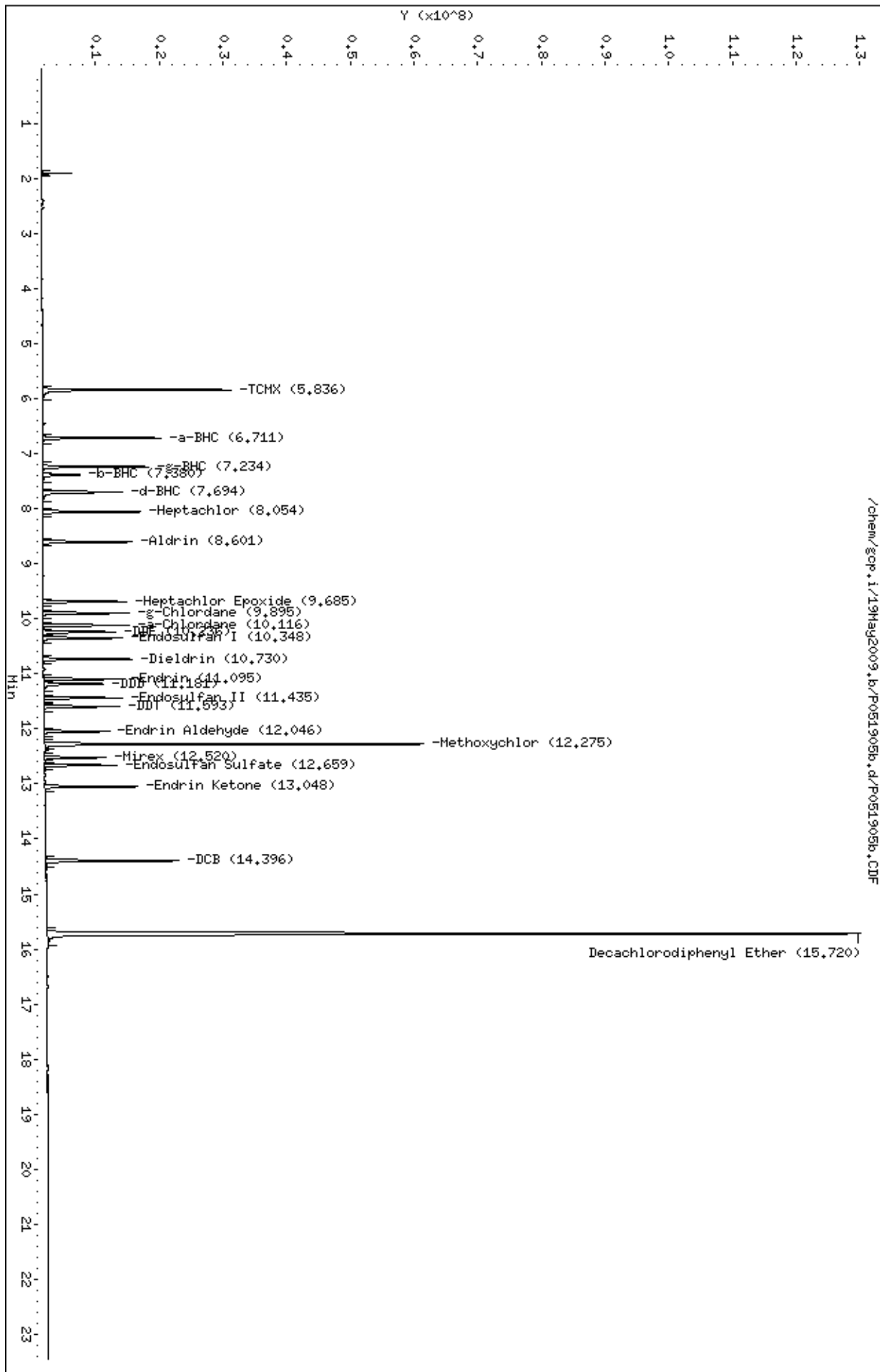
Sample Info: 1685-135-0.1

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051906b.d
Lab Smp Id: 1685-135-0.2
Inj Date : 19-MAY-2009 17:57
Operator : LA/rnInst ID: gcp.i
Smp Info : 1685-135-0.2
Misc Info : None
Comment : Back column, Rtx-CLPesticides
Method : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m
Meth Date : 19-May-2009 13:02 lantonicQuant Type: ISTD
Cal Date : 19-MAY-2009 17:57Cal File: P051906b.d
Als bottle: 1Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV+mirex.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.843	5.845	(0.372)	2075146528	0.40000	0.3937
8 a-BHC	6.718	6.720	(0.427)	1345353136	0.20000	0.1967
9 g-BHC	7.240	7.242	(0.461)	1270482275	0.20000	0.1964
10 b-BHC	7.386	7.386	(0.470)	524045481	0.20000	0.1948
11 d-BHC	7.701	7.701	(0.490)	1172031296	0.20000	0.1944
12 Heptachlor	8.060	8.062	(0.513)	1214431424	0.20000	0.1978
13 Aldrin	8.606	8.609	(0.547)	1165852488	0.20000	0.1979
14 Heptachlor Epoxide	9.689	9.691	(0.616)	1051107836	0.20000	0.1974
15 g-Chlordane	9.899	9.901	(0.630)	1084188274	0.20000	0.1970
16 a-Chlordane	10.120	10.121	(0.644)	1052466532	0.20000	0.1968
18 Endosulfan I	10.351	10.352	(0.658)	1008077573	0.20000	0.1988
17 DDE	10.240	10.240	(0.651)	926118806	0.20000	0.1927
19 Dieldrin	10.733	10.734	(0.683)	1059718960	0.20000	0.1975
20 Endrin	11.096	11.098	(0.706)	949126628	0.20000	0.1978
21 DDD	11.184	11.183	(0.711)	803914073	0.20000	0.1951
22 Endosulfan II	11.437	11.438	(0.728)	917886576	0.20000	0.1966
23 DDT	11.595	11.595	(0.738)	903041296	0.20000	0.1965
24 Endrin Aldehyde	12.047	12.048	(0.766)	762430336	0.20000	0.1971
26 Endosulfan Sulfate	12.660	12.661	(0.805)	816839936	0.20000	0.1955
25 Methoxychlor	12.276	12.275	(0.781)	4180260941	2.00000	1.968
168 Mirex	12.521	12.522	(0.797)	681917989	0.20000	0.1950

AMOUNTS						
Compounds	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
27 Endrin Ketone	13.048	13.049	(0.830)	1040233888	0.20000	0.1969
\$ 28 DCB	14.395	14.396	(0.916)	1666047600	0.40000	0.3908
* 29 Decachlorodiphenyl Ether	15.720	15.720	(1.000)	6612955283	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051906b.d

Calibration Time: 18:23

Lab Smp Id: 1685-135-0.2

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	6349112896	3174556448	12698225792	6612955283	4.16

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.72	15.22	16.22	15.72	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: /chem/gcp.i/19May2009.b/P051906b.d

Date : 19-May-2009 17:57

Client ID:

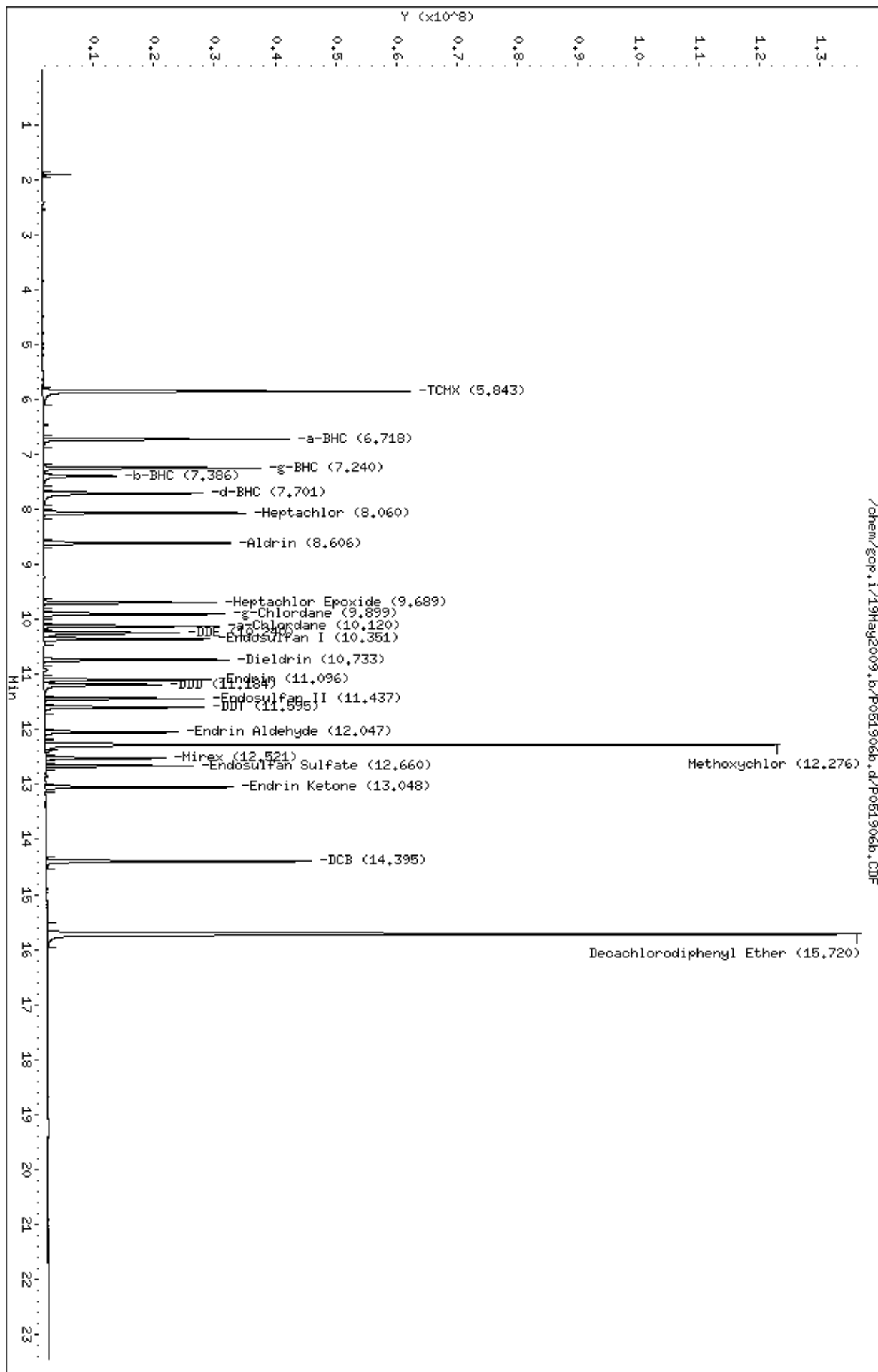
Sample Info: 1685-135-0.2

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051907b.d
Lab Smp Id: 1685-135-0.4
Inj Date : 19-MAY-2009 18:23
Operator : LA/rnInst ID: gcp.i
Smp Info : 1685-135-0.4
Misc Info : None
Comment : Back column, Rtx-CLPesticides
Method : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m
Meth Date : 19-May-2009 13:00 lantonicQuant Type: ISTD
Cal Date : 19-MAY-2009 18:23Cal File: P051907b.d
Als bottle: 1Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV+mirex.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.845	5.845	(0.372)	4180464976	0.80000	0.8000
8 a-BHC	6.720	6.720	(0.427)	2823498624	0.40000	0.4000
9 g-BHC	7.242	7.242	(0.461)	2647135330	0.40000	0.4000
10 b-BHC	7.386	7.386	(0.470)	1060934845	0.40000	0.4000
11 d-BHC	7.701	7.701	(0.490)	2516823344	0.40000	0.4000
12 Heptachlor	8.062	8.062	(0.513)	2474908496	0.40000	0.4000
13 Aldrin	8.609	8.609	(0.548)	2392981240	0.40000	0.4000
14 Heptachlor Epoxide	9.691	9.691	(0.616)	2129120176	0.40000	0.4000
15 g-Chlordane	9.901	9.901	(0.630)	2232419654	0.40000	0.4000
16 a-Chlordane	10.121	10.121	(0.644)	2150840608	0.40000	0.4000
18 Endosulfan I	10.352	10.352	(0.658)	2041133282	0.40000	0.4000
17 DDE	10.240	10.240	(0.651)	1970473182	0.40000	0.4000
19 Dieldrin	10.734	10.734	(0.683)	2177850696	0.40000	0.4000
20 Endrin	11.098	11.098	(0.706)	1933242758	0.40000	0.4000
21 DDD	11.183	11.183	(0.711)	1709664887	0.40000	0.4000
22 Endosulfan II	11.438	11.438	(0.728)	1869733401	0.40000	0.4000
23 DDT	11.595	11.595	(0.738)	1876017129	0.40000	0.4000
24 Endrin Aldehyde	12.048	12.048	(0.766)	1523535264	0.40000	0.4000
26 Endosulfan Sulfate	12.661	12.661	(0.805)	1677935294	0.40000	0.4000
25 Methoxychlor	12.275	12.275	(0.781)	8263659710	4.00000	4.000
168 Mirex	12.522	12.522	(0.797)	1358373376	0.40000	0.4000

AMOUNTS						
Compounds	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
27 Endrin Ketone	13.049	13.049	(0.830)	2093598977	0.40000	0.4000
\$ 28 DCB	14.396	14.396	(0.916)	3323175741	0.80000	0.8000
* 29 Decachlorodiphenyl Ether	15.720	15.720	(1.000)	6349112896	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051907b.d

Calibration Time: 18:23

Lab Smp Id: 1685-135-0.4

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	6349112896	3174556448	12698225792	6349112896	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.72	15.22	16.22	15.72	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: /chem/gcp.i/19May2009.b/P051907b.d

Date : 19-May-2009 18:23

Client ID:

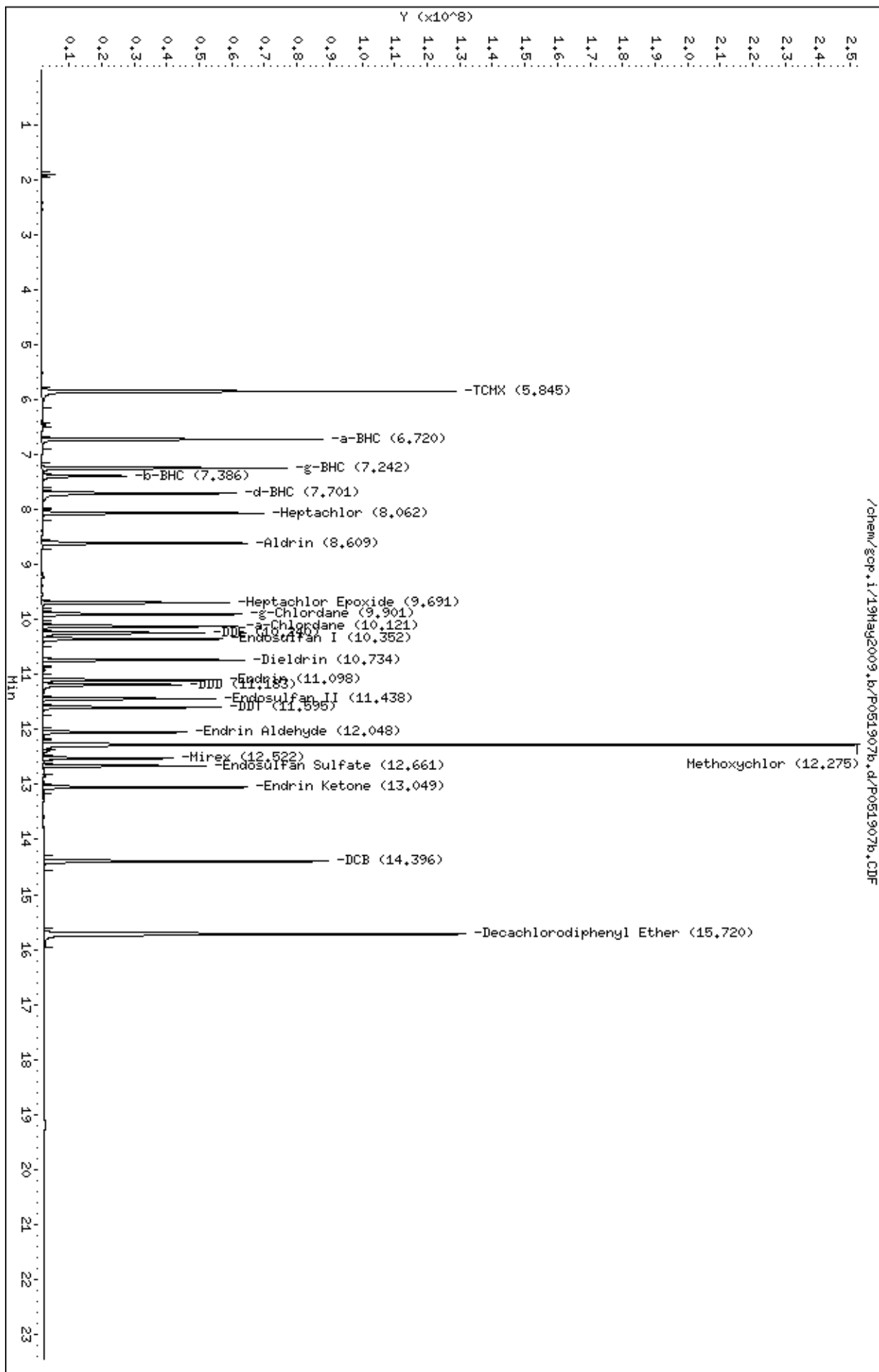
Sample Info: 1685-135-0.4

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Report Date: 19-May-2009 16:10

Air Toxics Ltd.

Pesticides Analysis, dual ECD

```
Data file : /chem/gcp.i/19May2009.b/P051912b.d
Lab Smp Id: 1685-127-6.0
Inj Date  : 19-MAY-2009 20:37
Operator  : LA/rn                      Inst ID: gcp.i
Smp Info  : 1685-127-6.0
Misc Info : None
Comment   : Back column, Rtx-CLPesticides
Method    : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m
Meth Date : 19-May-2009 16:10 rnoonan   Quant Type: ISTD
Cal Date  : 19-MAY-2009 20:37          Cal File: P051912b.d
Als bottle: 1                          Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP Genie                   Compound Sublist: tox.sub
Target Version: 3.50
Processing Host: eeyore
```

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable	Local Compound Variable
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
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38	38
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87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

					AMOUNTS		
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
		(ug)	(ug)				
Compounds							
=====		==	=====	=====	=====	=====	=====
M	3 toxaphene				3358017626	6.00000	6.000
	4 toxaphene-1	11.522	11.539	(0.733)	1188267372	6.00000	6.000
	5 toxaphene-2	11.916	11.932	(0.758)	840083643	6.00000	6.000
	6 toxaphene-3	12.188	12.192	(0.775)	642484837	6.00000	6.000
	7 toxaphene-4	12.837	12.853	(0.816)	687181772	6.00000	6.000
*	29 Decachlorodiphenyl Ether	15.723	15.720	(1.000)	6798657433	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051912b.d

Calibration Time: 18:23

Lab Smp Id: 1685-127-6.0

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	6349112896	3174556448	12698225792	6798657433	7.08

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.72	15.22	16.22	15.72	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: /chem/gcp.i/19May2009.b/P051912b.d

Date : 19-May-2009 20:37

Client ID:

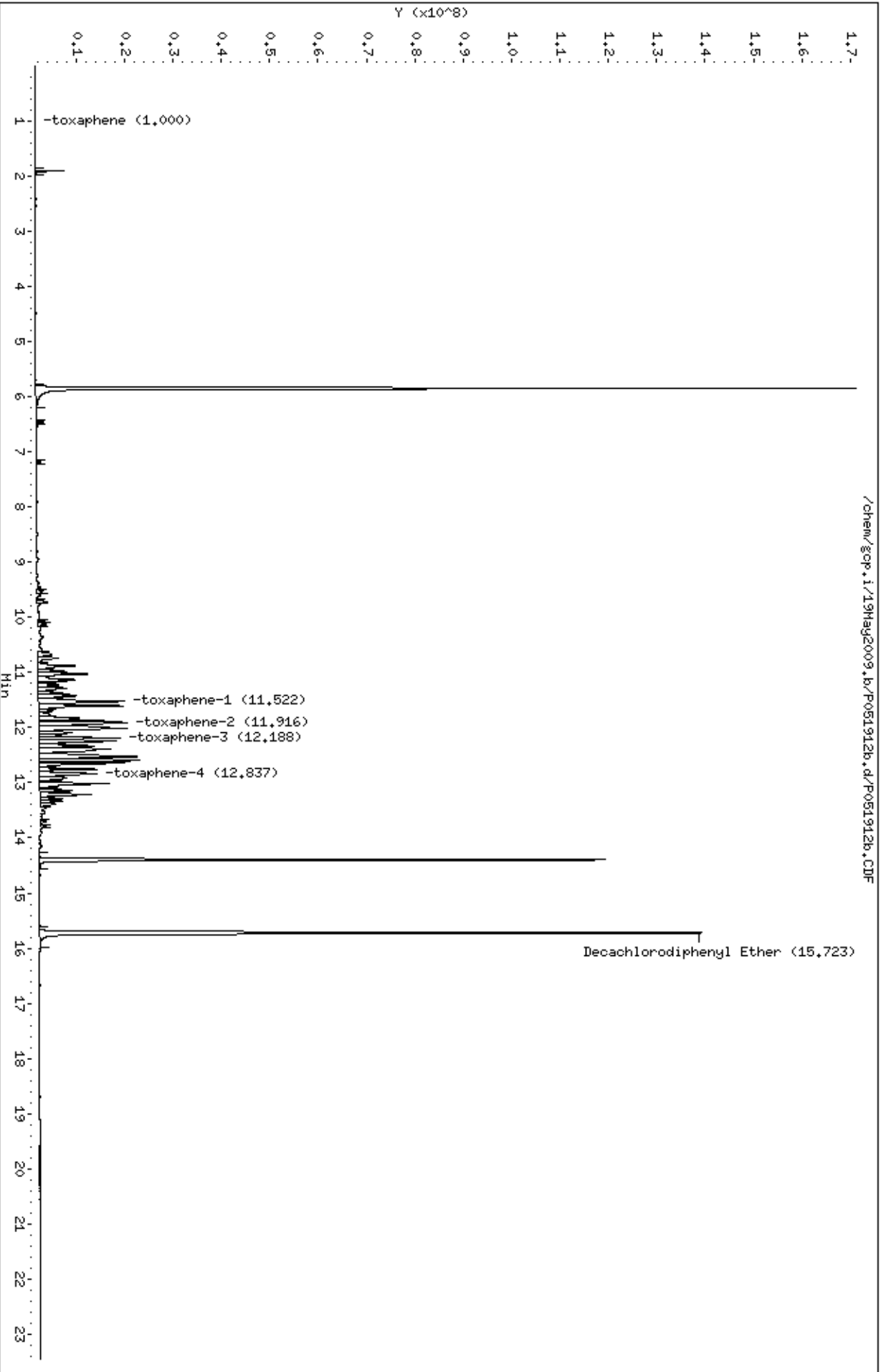
Sample Info: 1685-127-6.0

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051908b.d

Lab Smp Id: 1685-135-0.6

Inj Date : 19-MAY-2009 18:50

Operator : LA/rn

Inst ID: gcp.i

Smp Info : 1685-135-0.6

Misc Info : None

Comment : Back column, Rtx-CLPesticides

Method : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m

Meth Date : 19-May-2009 13:02 lantonic

Quant Type: ISTD

Cal Date : 19-MAY-2009 18:50

Cal File: P051908b.d

Als bottle: 1

Calibration Sample, Level: 4

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: pestCCV+mirex.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.845	5.845	(0.372)	6081364960	1.20000	1.181
8 a-BHC	6.720	6.720	(0.427)	4172397648	0.60000	0.6159
9 g-BHC	7.243	7.242	(0.461)	3884612499	0.60000	0.6086
10 b-BHC	7.386	7.386	(0.470)	1534822094	0.60000	0.5856
11 d-BHC	7.701	7.701	(0.490)	3724026144	0.60000	0.6215
12 Heptachlor	8.063	8.062	(0.513)	3589842064	0.60000	0.5967
13 Aldrin	8.610	8.609	(0.548)	3485013040	0.60000	0.6018
14 Heptachlor Epoxide	9.692	9.691	(0.616)	3061867680	0.60000	0.5891
15 g-Chlordane	9.902	9.901	(0.630)	3235802560	0.60000	0.5992
16 a-Chlordane	10.122	10.121	(0.644)	3108144616	0.60000	0.5940
18 Endosulfan I	10.353	10.352	(0.658)	2912626337	0.60000	0.5887
17 DDE	10.240	10.240	(0.651)	2880275447	0.60000	0.6078
19 Dieldrin	10.735	10.734	(0.683)	3143379264	0.60000	0.5974
20 Endrin	11.099	11.098	(0.706)	2784803490	0.60000	0.5932
21 DDD	11.183	11.183	(0.711)	2485551918	0.60000	0.6106
22 Endosulfan II	11.439	11.438	(0.728)	2603493606	0.60000	0.5756
23 DDT	11.596	11.595	(0.738)	2741136797	0.60000	0.6055
24 Endrin Aldehyde	12.049	12.048	(0.766)	2194732912	0.60000	0.5831
26 Endosulfan Sulfate	12.662	12.661	(0.805)	2397657563	0.60000	0.5882
25 Methoxychlor	12.276	12.275	(0.781)	11898593986	6.00000	5.777
168 Mirex	12.523	12.522	(0.797)	1936800641	0.60000	0.5727

AMOUNTS						
Compounds	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
27 Endrin Ketone	13.050	13.049	(0.830)	3004221920	0.60000	0.5842
\$ 28 DCB	14.397	14.396	(0.916)	4771133040	1.20000	1.154
* 29 Decachlorodiphenyl Ether	15.722	15.720	(1.000)	6493404327	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051908b.d

Calibration Time: 18:23

Lab Smp Id: 1685-135-0.6

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	6349112896	3174556448	12698225792	6493404327	2.27

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.72	15.22	16.22	15.72	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: /chem/gcp.i/19May2009.b/P051908b.d

Date : 19-May-2009 18:50

Client ID:

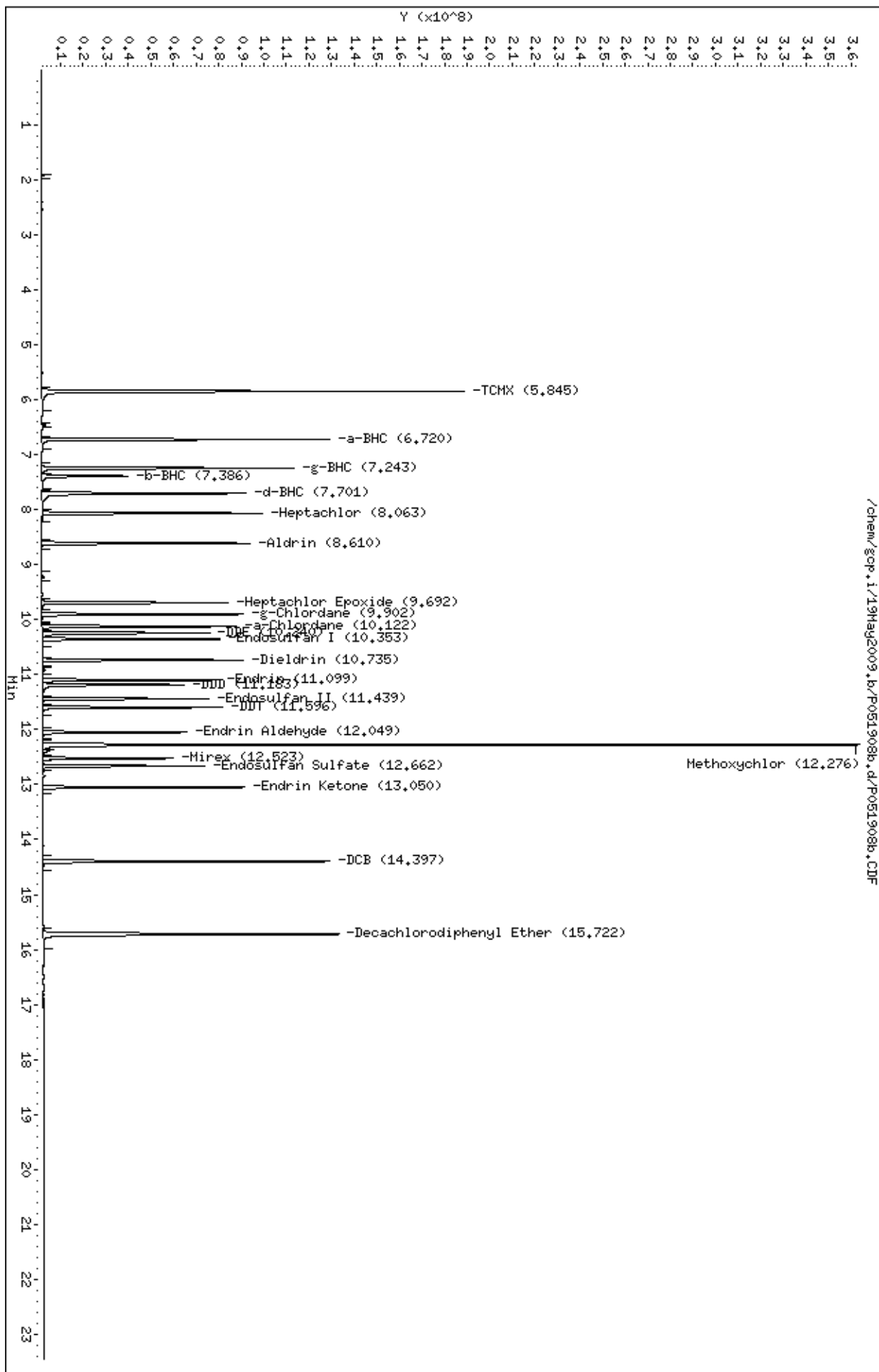
Sample Info: 1685-135-0.6

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051909b.d
Lab Smp Id: 1685-135-0.8
Inj Date : 19-MAY-2009 19:17
Operator : LA/rnInst ID: gcp.i
Smp Info : 1685-135-0.8
Misc Info : None
Comment : Back column, Rtx-CLPesticides
Method : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m
Meth Date : 19-May-2009 13:02 lantonicQuant Type: ISTD
Cal Date : 19-MAY-2009 19:17Cal File: P051909b.d
Als bottle: 1Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV+mirex.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.845	5.845	(0.372)	7975048749	1.60000	1.586
8 a-BHC	6.720	6.720	(0.427)	5573471936	0.80000	0.8322
9 g-BHC	7.243	7.242	(0.461)	5173162391	0.80000	0.8223
10 b-BHC	7.386	7.386	(0.470)	2032991036	0.80000	0.7941
11 d-BHC	7.701	7.701	(0.490)	4820683083	0.80000	0.8176
12 Heptachlor	8.063	8.062	(0.513)	4732414931	0.80000	0.8030
13 Aldrin	8.610	8.609	(0.548)	4604219872	0.80000	0.8099
14 Heptachlor Epoxide	9.692	9.691	(0.616)	4024158592	0.80000	0.7929
15 g-Chlordane	9.902	9.901	(0.630)	4284137472	0.80000	0.8085
16 a-Chlordane	10.123	10.121	(0.644)	4099951725	0.80000	0.8005
18 Endosulfan I	10.354	10.352	(0.658)	3811728664	0.80000	0.7898
17 DDE	10.240	10.240	(0.651)	3823218652	0.80000	0.8194
19 Dieldrin	10.736	10.734	(0.683)	4137924410	0.80000	0.8028
20 Endrin	11.099	11.098	(0.706)	3652130738	0.80000	0.7959
21 DDD	11.183	11.183	(0.711)	3287874329	0.80000	0.8202
22 Endosulfan II	11.440	11.438	(0.728)	3406850996	0.80000	0.7755
23 DDT	11.596	11.595	(0.738)	3610923041	0.80000	0.8120
24 Endrin Aldehyde	12.049	12.048	(0.766)	2873713990	0.80000	0.7841
26 Endosulfan Sulfate	12.662	12.661	(0.805)	3168351471	0.80000	0.7954
25 Methoxychlor	12.277	12.275	(0.781)	15614061374	8.00000	7.795
168 Mirex	12.524	12.522	(0.797)	2533577810	0.80000	0.7721

AMOUNTS						
Compounds	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
27 Endrin Ketone	13.050	13.049	(0.830)	3927506976	0.80000	0.7843
\$ 28 DCB	14.398	14.396	(0.916)	6237173926	1.60000	1.553
* 29 Decachlorodiphenyl Ether	15.723	15.720	(1.000)	6354715762	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051909b.d

Calibration Time: 18:23

Lab Smp Id: 1685-135-0.8

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	6349112896	3174556448	12698225792	6354715762	0.09

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.72	15.22	16.22	15.72	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: /chem/gcp.i/19May2009.b/P051909b.d

Date : 19-May-2009 19:17

Client ID:

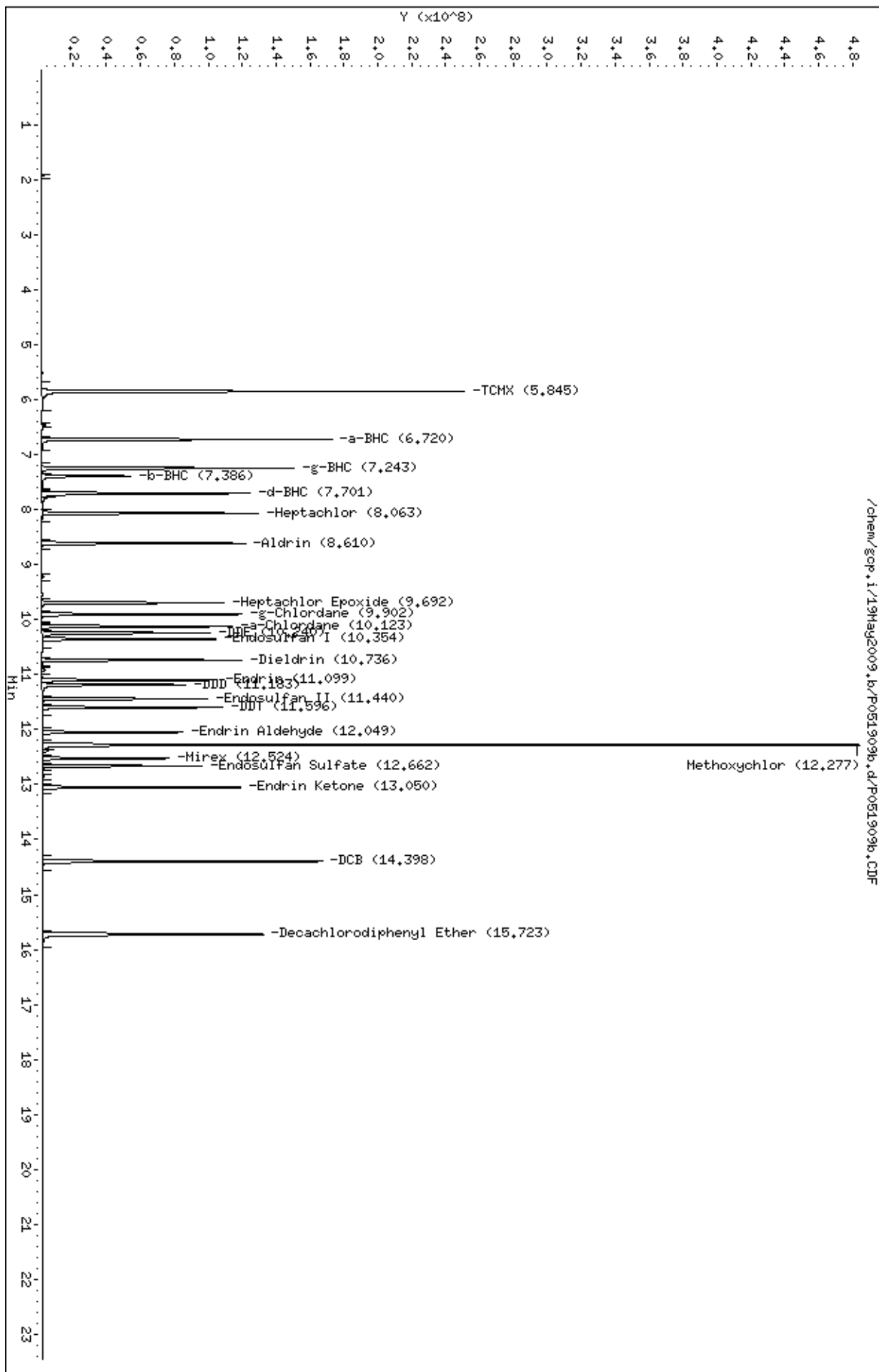
Sample Info: 1685-135-0.8

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051910b.d

Lab Smp Id: 1685-135-1.0

Inj Date : 19-MAY-2009 19:44

Operator : LA/rn

Inst ID: gcp.i

Smp Info : 1685-135-1.0

Misc Info : None

Comment : Back column, Rtx-CLPesticides

Method : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m

Meth Date : 19-May-2009 16:10 rnoonan

Quant Type: ISTD

Cal Date : 19-MAY-2009 19:44

Cal File: P051910b.d

Als bottle: 1

Calibration Sample, Level: 6

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: pestCCV+mirex.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.844	5.845	(0.372)	10291674634	2.00000	1.987
8 a-BHC	6.719	6.720	(0.427)	7312053056	1.00000	1.048
9 g-BHC	7.242	7.242	(0.461)	6769161655	1.00000	1.036(A)
10 b-BHC	7.384	7.386	(0.470)	2654063017	1.00000	1.004
11 d-BHC	7.699	7.701	(0.490)	6368261967	1.00000	1.039
12 Heptachlor	8.062	8.062	(0.513)	6161341363	1.00000	1.012(A)
13 Aldrin	8.609	8.609	(0.548)	6006659168	1.00000	1.020(A)
14 Heptachlor Epoxide	9.691	9.691	(0.616)	5224025466	1.00000	0.9985
15 g-Chlordane	9.901	9.901	(0.630)	5618986896	1.00000	1.023
16 a-Chlordane	10.122	10.121	(0.644)	5373646057	1.00000	1.014
18 Endosulfan I	10.353	10.352	(0.658)	4938571712	1.00000	0.9936
17 DDE	10.239	10.240	(0.651)	5043312855	1.00000	1.040
19 Dieldrin	10.735	10.734	(0.683)	5412940096	1.00000	1.015(A)
20 Endrin	11.099	11.098	(0.706)	4790430834	1.00000	1.010(A)
21 DDD	11.181	11.183	(0.711)	4332171745	1.00000	1.040
22 Endosulfan II	11.439	11.438	(0.728)	4366072526	1.00000	0.9696
23 DDT	11.595	11.595	(0.738)	4784530774	1.00000	1.036(A)
24 Endrin Aldehyde	12.049	12.048	(0.766)	3748465229	1.00000	0.9932
26 Endosulfan Sulfate	12.661	12.661	(0.805)	4206481968	1.00000	1.020
25 Methoxychlor	12.276	12.275	(0.781)	20686445028	10.0000	10.01
168 Mirex	12.523	12.522	(0.797)	3362708354	1.00000	0.9949

AMOUNTS						
Compounds	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
27 Endrin Ketone	13.049	13.049	(0.830)	5144143200	1.00000	0.9968
\$ 28 DCB	14.397	14.396	(0.916)	8197237278	2.00000	1.983
* 29 Decachlorodiphenyl Ether	15.722	15.720	(1.000)	6552793955	2.00000	

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051910b.d

Calibration Time: 18:23

Lab Smp Id: 1685-135-1.0

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	6349112896	3174556448	12698225792	6552793955	3.21

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.72	15.22	16.22	15.72	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: /chem/gcp.i/19May2009.b/PO51910b.d

Date : 19-May-2009 19:44

Client ID:

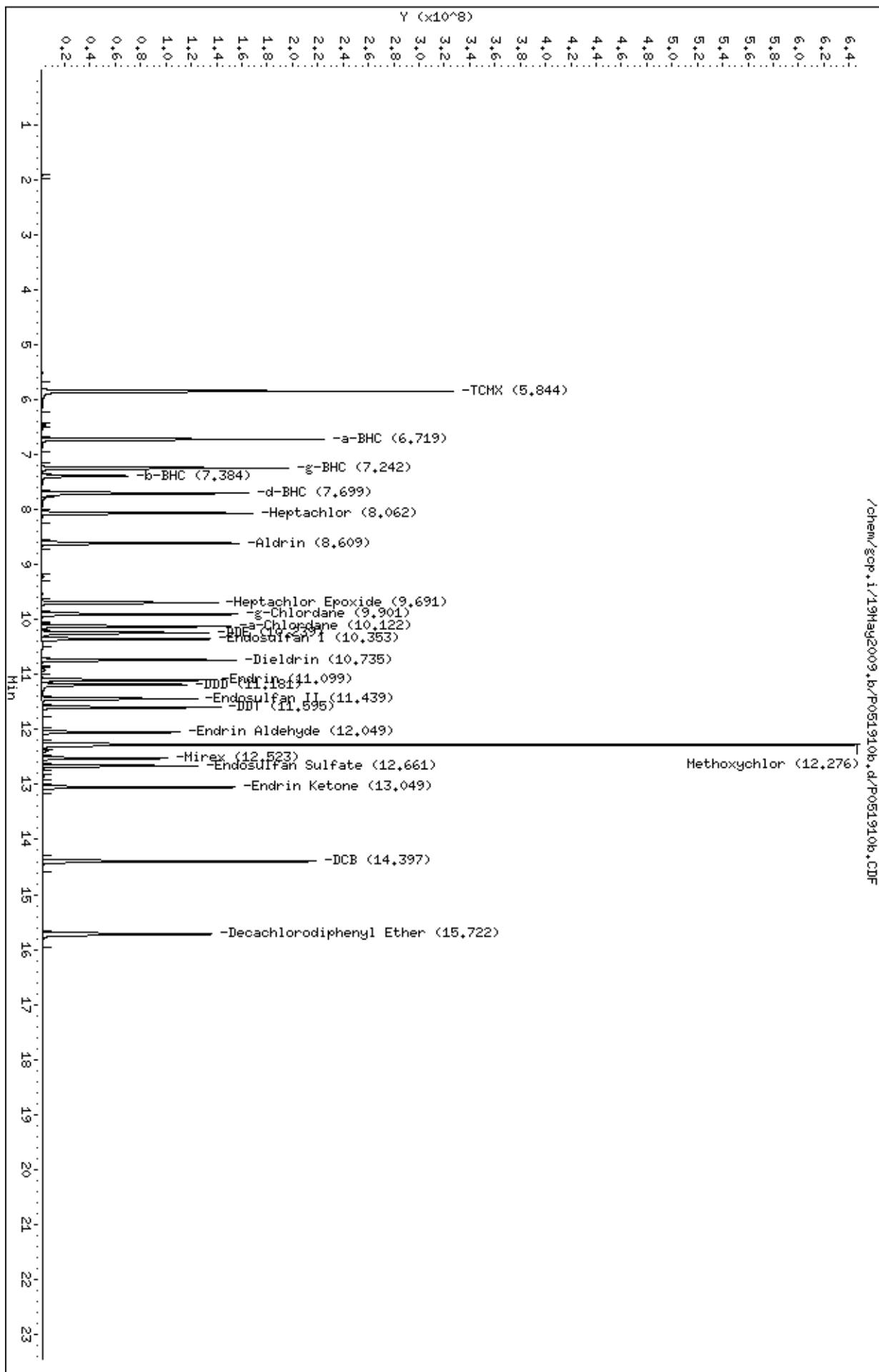
Sample Info: 1685-135-1.0

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/19May2009.b/P051911b.d
Lab Smp Id: 1685-135-2.5
Inj Date : 19-MAY-2009 20:10
Operator : LA/rnInst ID: gcp.i
Smp Info : 1685-135-2.5
Misc Info : None
Comment : Back column, Rtx-CLPesticides
Method : /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m
Meth Date : 19-May-2009 16:10 rnoonanQuant Type: ISTD
Cal Date : 19-MAY-2009 20:10Cal File: P051911b.d
Als bottle: 1Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV+mirex.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.845	5.845	(0.372)	24533716048	5.00000	4.920(A)
8 a-BHC	6.720	6.720	(0.427)	18179740512	2.50000	2.669
9 g-BHC	7.243	7.242	(0.461)	16702566573	2.50000	2.625(A)
10 b-BHC	7.384	7.386	(0.470)	6482396931	2.50000	2.535
11 d-BHC	7.699	7.701	(0.490)	16023262429	2.50000	2.676
12 Heptachlor	8.064	8.062	(0.513)	14524943048	2.50000	2.474(A)
13 Aldrin	8.611	8.609	(0.548)	14237808192	2.50000	2.504(A)
14 Heptachlor Epoxide	9.693	9.691	(0.616)	12316796921	2.50000	2.447
15 g-Chlordane	9.903	9.901	(0.630)	13518129762	2.50000	2.543
16 a-Chlordane	10.123	10.121	(0.644)	12876830057	2.50000	2.515
18 Endosulfan I	10.354	10.352	(0.659)	11519786096	2.50000	2.414
17 DDE	10.239	10.240	(0.651)	12179333686	2.50000	2.586
19 Dieldrin	10.736	10.734	(0.683)	12853742209	2.50000	2.497(A)
20 Endrin	11.100	11.098	(0.706)	11225904817	2.50000	2.459(A)
21 DDD	11.181	11.183	(0.711)	10485058033	2.50000	2.590
22 Endosulfan II	11.440	11.438	(0.728)	10568997382	2.50000	2.440
23 DDT	11.596	11.595	(0.738)	11436763001	2.50000	2.555(A)
24 Endrin Aldehyde	12.049	12.048	(0.766)	8969388442	2.50000	2.466
26 Endosulfan Sulfate	12.662	12.661	(0.805)	10076209881	2.50000	2.526
25 Methoxychlor	12.277	12.275	(0.781)	51231570480	25.0000	25.68
168 Mirex	12.525	12.522	(0.797)	8077273798	2.50000	2.478

Compounds	AMOUNTS					
	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
27 Endrin Ketone	13.051	13.049	(0.830)	12182639200	2.50000	2.452
\$ 28 DCB	14.399	14.396	(0.916)	19639693688	5.00000	4.931(A)
* 29 Decachlorodiphenyl Ether	15.723	15.720	(1.000)	6327724829	2.00000	

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 19-MAY-2009

Lab File ID: P051911b.d

Calibration Time: 18:23

Lab Smp Id: 1685-135-2.5

Level: LOW

Analysis Type:

Sample Type: AIR

Quant Type: ISTD

Operator: LA/rn

Method File: /chem/gcp.i/19May2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	6349112896	3174556448	12698225792	6327724829	-0.34

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.72	15.22	16.22	15.72	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: /chem/gcp.i/19May2009.b/PO51911b.d

Date : 19-May-2009 20:10

Client ID:

Sample Info: 1685-135-2.5

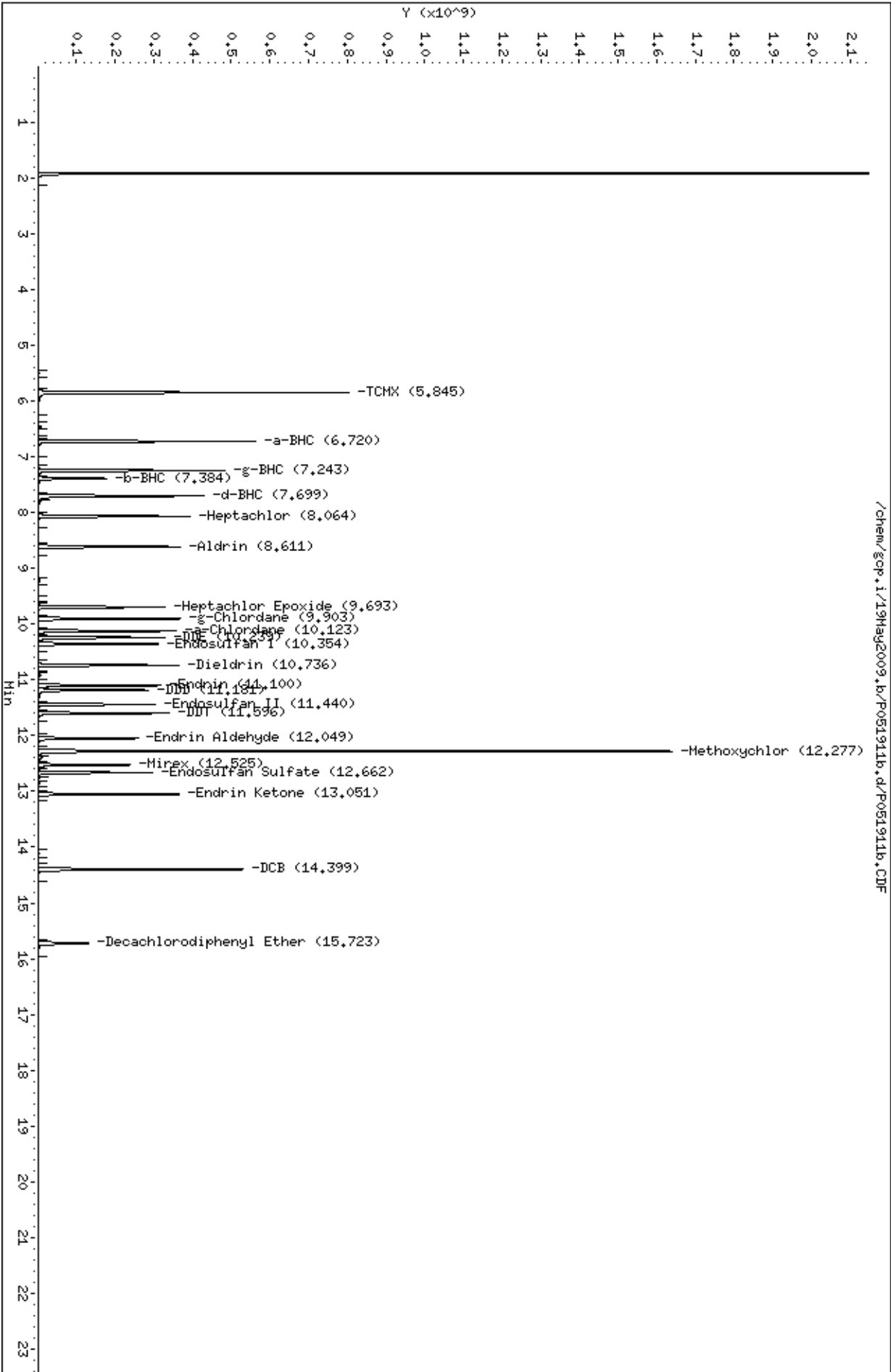
Page 1

Column phase:

Instrument: gcp.i

Operator: LA/rn

Column diameter: 2.00



Air Toxics Ltd.

INITIAL CALIBRATION DATA

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Start Cal Date      : 22-MAY-2009 19:06
End Cal Date       : 22-MAY-2009 23:59
Quant Method       : ISTD
Origin             : Disabled
Target Version     : 3.50
Integrator         : HP Genie
Method file        : /chem/gcp.i/22May2009.b/p09p0522.m
Cal Date           : 01-Jun-2009 12:44 lzhang
Curve Type         : Average
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Calibration File Names:

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Level 1: /chem/gcp.i/22May2009.b/P052203.d
Level 2: /chem/gcp.i/22May2009.b/P052204.d
Level 3: /chem/gcp.i/22May2009.b/P052214.d
Level 4: /chem/gcp.i/22May2009.b/P052206.d
Level 5: /chem/gcp.i/22May2009.b/P052207.d
Level 6: /chem/gcp.i/22May2009.b/P052208.d
Level 7: /chem/gcp.i/22May2009.b/P052209.d
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[illegible]

INITIAL CALIBRATION DATA

[illegible]

INITIAL CALIBRATION DATA

```
Start Cal Date   : 22-MAY-2009 19:06
End Cal Date    : 22-MAY-2009 23:59
Quant Method    : ISTD
Origin          : Disabled
Target Version  : 3.50
Integrator      : HP Genie
Method file     : /chem/gcp.i/22May2009.b/p09p0522.m
Cal Date        : 01-Jun-2009 12:44 lzhang
Curve Type      : Average
```

[illegible]

INITIAL CALIBRATION DATA

		1.000	3.000	5.000	8.000	10.000	12.000	—	
Compound		Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	% RSD
		-----	-----	-----	-----	-----	-----		
		15.000							
		Level 7							
=====		=====	=====	=====	=====	=====	=====	=====	=====
30	pcb1248-2	+++++	+++++	0.02743	+++++	+++++	+++++		
		+++++						0.02743	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
31	pcb1248-3	+++++	+++++	0.04963	+++++	+++++	+++++		
		+++++						0.04963	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
32	pcb1248-4	+++++	+++++	0.02132	+++++	+++++	+++++		
		+++++						0.02132	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
M 33	pcb1254	+++++	+++++	0.31903	+++++	+++++	+++++		
		+++++						0.31903	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
34	pcb1254-1	+++++	+++++	0.07069	+++++	+++++	+++++		
		+++++						0.07069	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
35	pcb1254-2	+++++	+++++	0.06705	+++++	+++++	+++++		
		+++++						0.06705	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
36	pcb1254-3	+++++	+++++	0.08961	+++++	+++++	+++++		
		+++++						0.08961	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
37	pcb1254-4	+++++	+++++	0.09167	+++++	+++++	+++++		
		+++++						0.09167	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
=====		=====	=====	=====	=====	=====	=====	=====	=====
\$ 2	TCMX	1.87183	1.62611	1.62293	1.49125	1.46558	1.45848		
		1.37862						1.55926	10.552
-----		-----	-----	-----	-----	-----	-----	-----	-----
\$ 38	DCB	1.23021	1.05225	1.08607	1.00411	0.99776	1.00550		
		0.95609						1.04743	8.660

Calibration History

Method : /chem/gcp.i/22May2009.b/p09p0522.m
Start Cal Date: 22-MAY-2009 19:06
End Cal Date : 22-MAY-2009 23:59

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 1.00000		
22-MAY-2009 19:06	CCV	/chem/gcp.i/22May2009.b/P052203.d
Cal Level: 2 , Cal Amount: 3.00000		
22-MAY-2009 19:32	CCV	/chem/gcp.i/22May2009.b/P052204.d
Cal Level: 3 , Cal Amount: 5.00000		
22-MAY-2009 23:59	1254NS	/chem/gcp.i/22May2009.b/P052214.d
22-MAY-2009 23:33	1248NS	/chem/gcp.i/22May2009.b/P052213.d
22-MAY-2009 23:06	1232NS	/chem/gcp.i/22May2009.b/P052212.d
22-MAY-2009 22:39	1221NS	/chem/gcp.i/22May2009.b/P052211.d
22-MAY-2009 19:59	CCV	/chem/gcp.i/22May2009.b/P052205.d
Cal Level: 4 , Cal Amount: 8.00000		
22-MAY-2009 20:26	CCV	/chem/gcp.i/22May2009.b/P052206.d
Cal Level: 5 , Cal Amount: 10.00000		
22-MAY-2009 20:53	CCV	/chem/gcp.i/22May2009.b/P052207.d
Cal Level: 6 , Cal Amount: 12.00000		
22-MAY-2009 21:19	CCV	/chem/gcp.i/22May2009.b/P052208.d
Cal Level: 7 , Cal Amount: 15.00000		
22-MAY-2009 21:46	CCV	/chem/gcp.i/22May2009.b/P052209.d

Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 4

Ccal Level: 4 , Ccal Amount: 8.00	
22-MAY-2009 20:26	/chem/gcp.i/22May2009.b/P052206a.d
Ccal Level: 4 , Ccal Amount: 8.00	
22-MAY-2009 20:26	/chem/gcp.i/22May2009.b/P052206.d

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAY-2009 19:06
End Cal Date : 22-MAY-2009 23:59
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /chem/gcp.i/22May2009.b/p09p0522.m
Cal Date : 01-Jun-2009 12:43 lzhang
Curve Type : Average

2nd Source: P052203

Calibration File Names:

- Level 1: /chem/gcp.i/22May2009.b/P052203.d
- Level 2: /chem/gcp.i/22May2009.b/P052204.d
- Level 3: /chem/gcp.i/22May2009.b/P052214.d
- Level 4: /chem/gcp.i/22May2009.b/P052206.d
- Level 5: /chem/gcp.i/22May2009.b/P052207.d
- Level 6: /chem/gcp.i/22May2009.b/P052208.d
- Level 7: /chem/gcp.i/22May2009.b/P052209.d

see Calib History

- PCB 1221 - P052211
- 1232 - P052212
- 1248 - P052213
- 1254 - P052214
- 1242 - P052215 - info only

Based on 1 ul injector

Compound	1.000 3.000 5.000 8.000 10.000 12.000						RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		

15.000								
Level 7								

M 3 pcb1016/1242	0.26787 0.19543	0.24319	0.24359	0.21806	0.20847	0.20893	0.22650	11.330

4 pcb1016/1242-1	0.04399 0.03184	0.03783	0.03845	0.03492	0.03414	0.03419	0.03648	11.010

5 pcb1016/1242-2	0.11150 0.07934	0.09688	0.09655	0.08668	0.08535	0.08523	0.09165	11.806

6 pcb1016/1242-3	0.06420 0.04686	0.06599	0.06521	0.05720	0.04962	0.04987	0.05699	14.474

7 pcb1016/1242-4	0.04817 0.03740	0.04249	0.04338	0.03926	0.03936	0.03964	0.04139	8.760

M 8 pcb1260	0.43703 0.32849	0.37330	0.38315	0.35109	0.34612	0.34761	0.36669	9.803

9 pcb1260-1	0.09282 0.06673	0.07813	0.07943	0.07236	0.07100	0.07101	0.07592	11.384

6/1/09

Method: Mod. TO-4A/TO-10A

83

IS Std ID	IS	Area Counts	Breakdown %
NA	1-Bromo-2-Nitrobenzene	Front: NA Back: ↓	Endrin Front: NA Back: ↓
1685-320-50	Decafluorodiphenyl Ether	Front: 21320271892 Back: 62091605562	DDT Front: ↓ Back: ↓
NA	NA	Front: NA Back: ↓	must be ≤15%

Injection Volume: 1.0 µL

GMT

USE	File #	Sample / Client Name	Vial #	Dil. Factor	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	P052201 Hexane Wash	1	1.0	RM	5/22/09	1812	LA	
2	✓	02 Hexane Blank	2				1839		
3	✓	03 1685-137-1.0	3				1906		
4	✓	04 -3.0	4				1932		
5	✓	05 -5.0	5				1959		
6	✓	06 -8.0	6				2026		ccv.
7	✓	07 -10	7				2053		
8	✓	08 -12	8				2119		
9	✓	09 ↓ -15	9				2146		
10	X	10 1685-128-5.0 ^{PCB}	10				2213		sur ↑
11	✓	11 1685-121-5.0 ^{PCB}	11				2239		
12	✓	12 1685-121-5.0 ^{PCB}	12				2306		
13	✓	13 ↓ ,1248	13				2333		
14	✓	14 ↓ ,1254	14				2359		
15	✓	15 ↓ ,1242	15	↓	↓	5/23/09	0026		
16									
17									
18									
19									
20									
21									
22									
23									
24									

Calculation Check:

File ID: P052206 Compound: pcb 1016/1242Initials: LA

$$\text{nG On Column} = \frac{\text{Area of Compound in Sample} \times \text{Conc. Int. Standard}}{\text{Area of Int. Standard in Sample}} = \frac{1892198359}{21320271892} \times (2.00) = 0.23171$$

$$\mu\text{G/Sample} = \frac{\text{nG On Column} \times 1000 \mu\text{L Final Vol.} \times \text{D.F.}}{1.0 \mu\text{L Inj. Vol.} \times 1000 \text{ nG}/\mu\text{G}} = \frac{(7.66) \times (1000) \times (1.00)}{(1000)} = 7.66$$

Symon Antonielli
Signed

5/22/09

Date

Reported Result = 7.66

Revised: 02/27/06

Method: Mod. TO-4A/TO-10A

85

IS Std ID	IS	Area Counts	Breakdown %
NA	1-Bromo-2-Nitrobenzene	Front: NA Back: ↓	Endrin Front: 5.77% Back: 5.97%
1685-320-50	Decafluorodiphenyl Ether	Front: 18898128504 Back: 5731711199	DDT Front: 8.40% Back: 6.48%
NA	NA	Front: NA Back: ↓	must be ≤15%

Injection Volume: 1.0 µL

GMT

USE	File #	Sample / Client Name	Vial #	Dil. Factor	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	P052601 Hexane Wash	1	1.0	LA	5/26/09	1549	LA	
2	✓	02 1685-137-8.0 PCB CCV	2		↓		1616		
3	✓	03 1685-133-8.0 PCB CCV	3				1643		
4	✓	04 1685-137-8.0 PCB CCV	4		↓		1726		
5	✓	05 Hexane Wash	1		non		2054		
6	✓	06 1685-143-0.8 tune	2				2120		
7	✓	07 1685-135-0.6 Pest CCV	3				2147		
8	✓	08 Hexane Blank	4				2214		
9	✓	09 0905530B-Blank	5			↓	2341		
10	X	10 Pest LCS	6			5/27/09	0008		13 Low 5/27/09 MW
11	✓	11 -05A	7				0035		
12	✓	12 -06A	8				0102		
13	✓	13 -07A	9				0128		
14	✓	14 -08A	10				0155		
15	✓	15 ↓ -08AA	10				0222		
16	✓	16 1685-135-0.6 Pest CCV	11		↓		0248		
17	✓	17 Hexane Wash	12		LA		1526		
18	✓	18 0905530B-LCS	13		↓		1553		
19	✓	19 1685-135-0.6 Pest CCV	14		↓		1620		
20	✓	20 Hexane Blank	15		non		1802		
21	✓	21 0905530A-05AA	16		↓		1829		
22	✓	22 ↓ 1685-135-0.6 Pest CCV	17	↓	↓	↓	1855		
23									
24							LA 5/27/09		

Calculation Check:

File ID: V052619 Compound: a-BHCInitials: non

$$\text{nG On Column} = \frac{\text{Area of Compound in Sample} \times \text{Conc. Int. Standard}}{\text{Area of Int. Standard in Sample} \times \text{ICAL RRF}_{\text{Avg}}} = \frac{16405387052 \times (2.00)}{18047703541 \times (2.78691)} = 0.65234$$

$$\mu\text{G/Sample} = \frac{\text{nG On Column} \times 1000 \mu\text{L Final Vol.} \times \text{D.F.}}{1.0 \mu\text{L Inj. Vol.} \times 1000 \text{ nG}/\mu\text{G}} = \frac{(0.65234) \times (1000) \times (1)}{(1000)} = 0.65234$$

Signed

Date

Reported Result =

Revised: 02/27/06

Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/26May2009.b/P052603.d
Lab Smp Id: 1685-153-8.0 PCB Client Smp ID: LCS
Inj Date : 26-MAY-2009 16:43
Operator : LA Inst ID: gcp.i
Smp Info : 1685-153-8.0 PCB LCS
Misc Info : None
Comment : Rtx-CLPesticide II
Method : /chem/gcp.i/26May2009.b/p09p0522.m
Meth Date : 01-Jun-2009 13:09 lantonic Quant Type: ISTD
Cal Date : 22-MAY-2009 19:06 Cal File: P052203.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: CCV.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable Local Compound Variable

		CONCENTRATIONS					
					ON-COLUMN	FINAL	
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		6.028	6.029	(0.352)	22129849380	1.55839	1.56
M 3 pcb1016/1242					14731431894	7.14144	7.14
4 pcb1016/1242-1		7.441	7.442	(0.435)	2470468669	7.43612	7.44
5 pcb1016/1242-2		8.240	8.240	(0.481)	5552548121	6.65267	6.65(R)
6 pcb1016/1242-3		8.478	8.477	(0.495)	3871142841	7.45827	7.46
7 pcb1016/1242-4		9.310	9.311	(0.544)	2837272263	7.52770	7.53
M 8 pcb1260					25838023852	7.73717	7.74
9 pcb1260-1		11.371	11.372	(0.664)	5208283618	7.53232	7.53
10 pcb1260-2		11.679	11.680	(0.682)	6122130911	7.25552	7.26
11 pcb1260-3		12.752	12.753	(0.745)	5035714592	8.17192	8.17
12 pcb1260-4		13.088	13.089	(0.765)	9471894732	7.97298	7.97
\$ 38 DCB		15.434	15.436	(0.902)	15300966899	1.60403	1.60
* 39 Decachlorodiphenyl Ether		17.115	17.119	(1.000)	18214313389	2.00000	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 26-MAY-2009

Lab File ID: P052603.d

Calibration Time: 16:16

Lab Smp Id: 1685-153-8.0 PCB

Client Smp ID: LCS

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: LA

Method File: /chem/gcp.i/26May2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	16689543951	8344771975	33379087902	18214313389	9.14
-----	-----	-----	-----	-----	-----

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	17.12	16.62	17.62	17.11	-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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 26May2009
Sample Matrix: GAS	Fraction: VOA
Lab Smp Id: 1685-153-8.0 PCB	Client Smp ID: LCS
Level: LOW	Operator: LA
Data Type: GC DATA	SampleType: LCS
SpikeList File: CCV10.spk	Quant Type: ISTD
Sublist File: CCV.sub	
Method File: /chem/gcp.i/26May2009.b/p09p0522.m	
Misc Info: None	

SPIKE COMPOUND		CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$	2 TCMX	1.60	1.56	97.40	85-115
M	3 pcb1016/1242	8.00	7.14	89.27	85-115
	4 pcb1016/1242-1	8.00	7.44	92.95	85-115
	5 pcb1016/1242-2	8.00	6.65	83.16*	85-115
	6 pcb1016/1242-3	8.00	7.46	93.23	85-115
	7 pcb1016/1242-4	8.00	7.53	94.10	85-115
M	8 pcb1260	8.00	7.74	96.71	85-115
	9 pcb1260-1	8.00	7.53	94.15	85-115
	10 pcb1260-2	8.00	7.26	90.69	85-115
	11 pcb1260-3	8.00	8.17	102.15	85-115
	12 pcb1260-4	8.00	7.97	99.66	85-115
\$	38 DCB	1.60	1.60	100.25	85-115

SURROGATE COMPOUND		CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$	2 TCMX	0.600	1.56	97.40	60-120
\$	38 DCB	0.600	1.60	100.25	60-120

Data File: /chem/gcp.i/26May2009.b/P052603.d

Date : 26-May-2009 16:43

Client ID: LCS

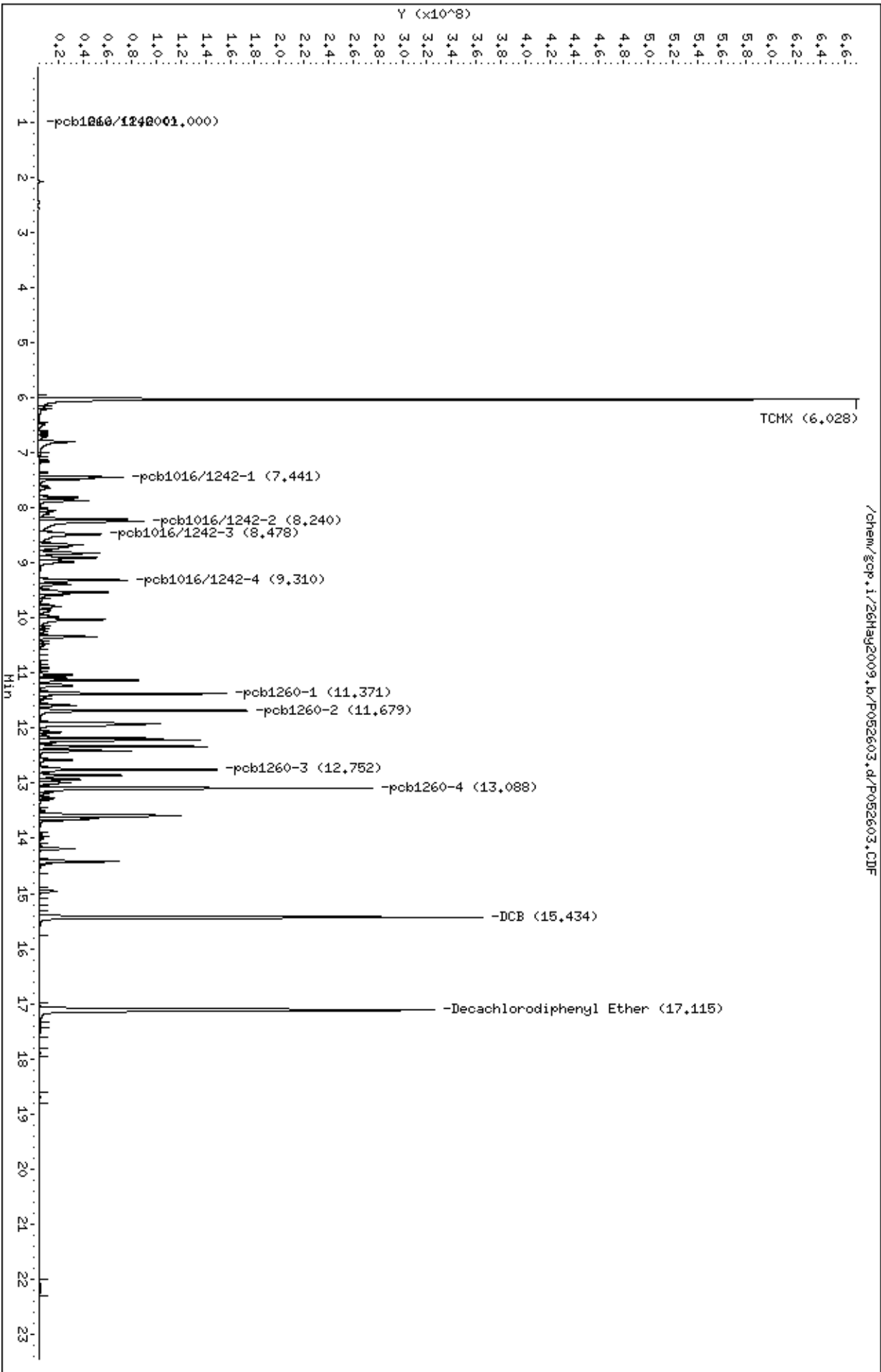
Sample Info: 1685-153-8.0 PCB LCS

Column phase:

Instrument: gcp.i

Operator: LA

Column diameter: 2.00



Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/22May2009.b/P052203.d

Lab Smp Id: 1685-137-1.0

Inj Date : 22-MAY-2009 19:06

Operator : rn

Inst ID: gcp.i

Smp Info : 1685-137-1.0

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/22May2009.b/p09p0522.m

Meth Date : 01-Jun-2009 12:43 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 19:06

Cal File: P052203.d

Als bottle: 1

Calibration Sample, Level: 1

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: CCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		CAL-AMT	ON-COL			
Compounds	RT	EXP	RT	REL	RT	RESPONSE
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.031	6.030	(0.352)	3833117146	0.20000	0.240
M 3 pcb1016/1242				2742655944	1.00000	1.18
4 pcb1016/1242-1	7.444	7.443	(0.435)	450415148	1.00000	1.20
5 pcb1016/1242-2	8.262	8.262	(0.483)	1141611009	1.00000	1.22
6 pcb1016/1242-3	8.495	8.480	(0.496)	657378676	1.00000	1.13
7 pcb1016/1242-4	9.313	9.312	(0.544)	493251111	1.00000	1.16
M 8 pcb1260				4474768177	1.00000	1.19
9 pcb1260-1	11.372	11.373	(0.664)	950337772	1.00000	1.22
10 pcb1260-2	11.681	11.681	(0.683)	1155881506	1.00000	1.22
11 pcb1260-3	12.753	12.754	(0.745)	814118050	1.00000	1.18
12 pcb1260-4	13.090	13.090	(0.765)	1554430849	1.00000	1.16
\$ 38 DCB	15.433	15.436	(0.902)	2519209302	0.20000	0.235
* 39 Decachlorodiphenyl Ether	17.114	17.119	(1.000)	20477870776	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052203.d

Calibration Time: 20:26

Lab Smp Id: 1685-137-1.0

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	21307648584	10653824292	42615297168	20477870776	-3.89
-----	-----	-----	-----	-----	-----

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	17.12	16.62	17.62	17.11	-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: /chem/gcp.i/22May2009.b/P052203.d

Date : 22-May-2009 19:06

Client ID:

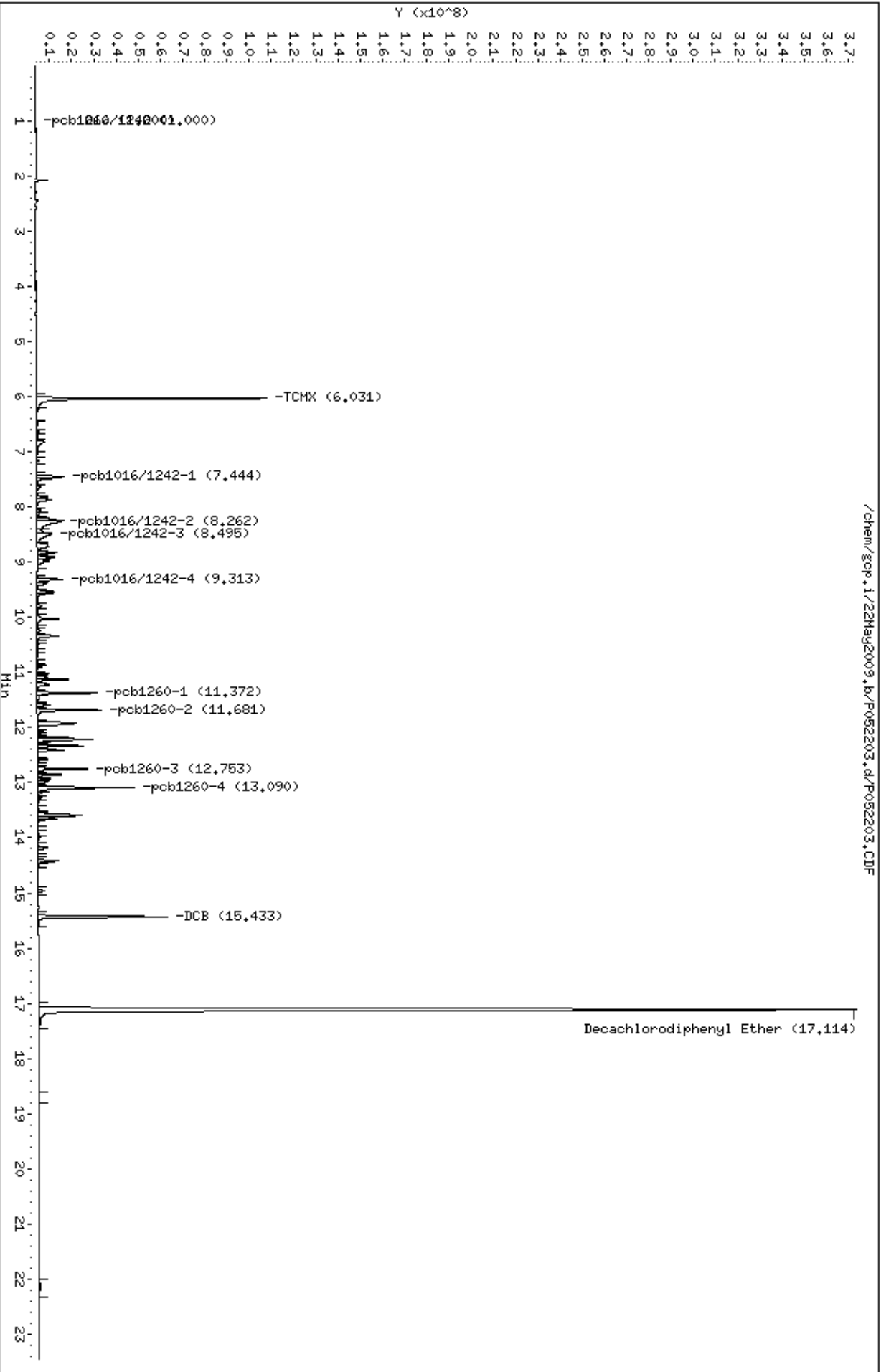
Sample Info: 1685-137-1.0

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/22May2009.b/P052204.d

Lab Smp Id: 1685-137-3.0

Inj Date : 22-MAY-2009 19:32

Operator : rn

Inst ID: gcp.i

Smp Info : 1685-137-3.0

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/22May2009.b/p09p0522.m

Meth Date : 01-Jun-2009 11:30 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 19:32

Cal File: P052204.d

Als bottle: 1

Calibration Sample, Level: 2

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: CCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
						ON-COL (ug/mL)
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
=====		==	=====	=====	=====	=====
\$ 2 TCMX		6.030	6.030	(0.352)	10279579409	0.60000
M 3 pcb1016/1242					7686570901	3.19
4 pcb1016/1242-1		7.443	7.443	(0.435)	1195626203	3.11
5 pcb1016/1242-2		8.250	8.262	(0.482)	3062149084	3.17
6 pcb1016/1242-3		8.486	8.480	(0.496)	2085811726	3.35
7 pcb1016/1242-4		9.312	9.312	(0.544)	1342983888	3.08
M 8 pcb1260					11799320576	3.05
9 pcb1260-1		11.373	11.373	(0.664)	2469590666	3.09
10 pcb1260-2		11.681	11.681	(0.682)	3001640728	3.07
11 pcb1260-3		12.753	12.754	(0.745)	2155992991	3.02
12 pcb1260-4		13.090	13.090	(0.765)	4172096190	3.04
\$ 38 DCB		15.435	15.436	(0.902)	6651844972	0.603
* 39 Decachlorodiphenyl Ether		17.116	17.119	(1.000)	21071911933	2.00000

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052204.d

Calibration Time: 19:32

Lab Smp Id: 1685-137-3.0

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	21071911933	10535955967	42143823867	21071911933	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	17.12	16.62	17.62	17.12	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: /chem/gcp.i/22May2009.b/P052204.d

Date : 22-May-2009 19:32

Client ID:

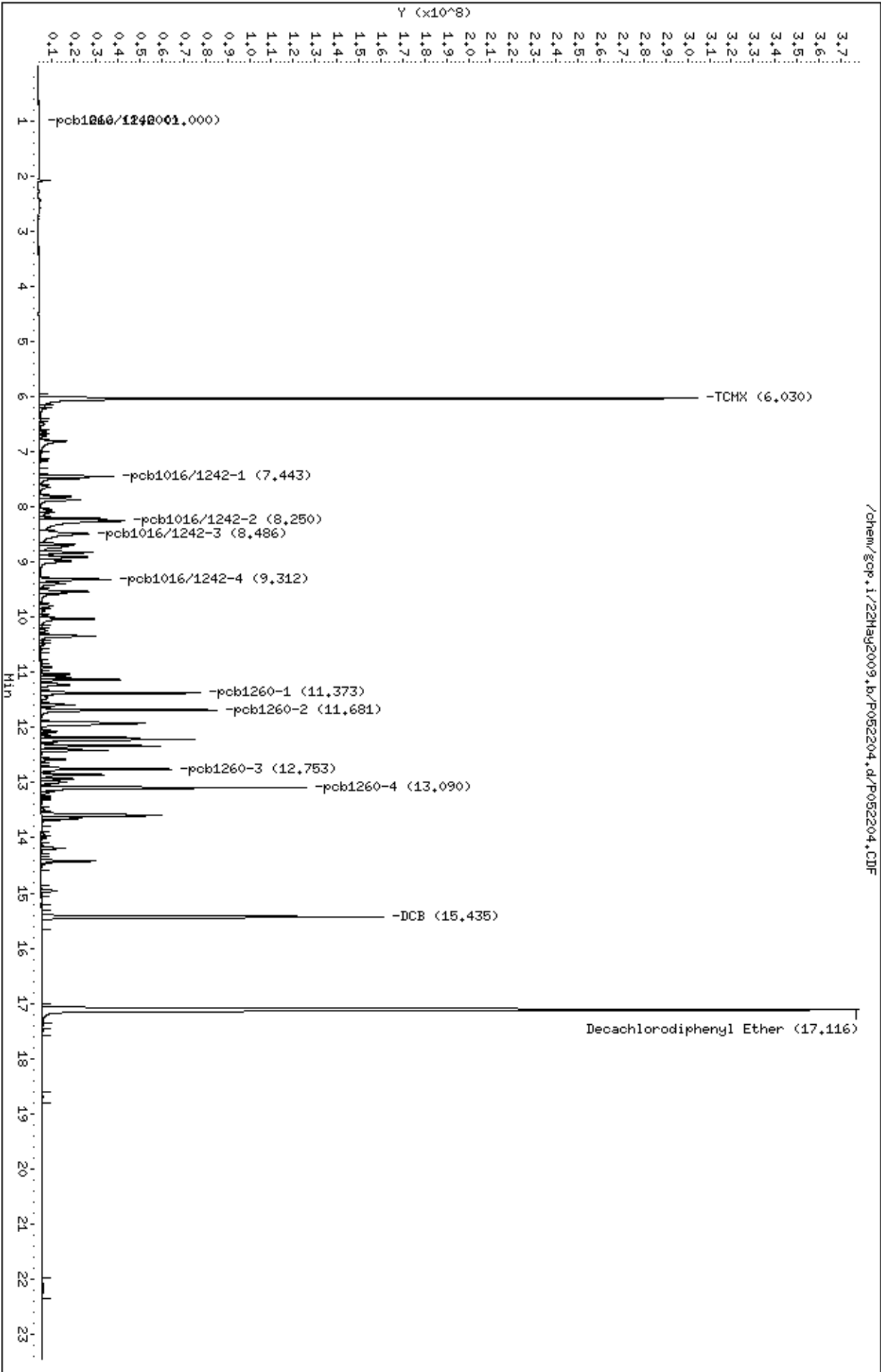
Sample Info: 1685-137-3.0

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/22May2009.b/P052214.d
Lab Smp Id: 1685-121-5.0 Client Smp ID: PCB 1254
Inj Date : 22-MAY-2009 23:59
Operator : rn Inst ID: gcp.i
Smp Info : 1685-121-5.0 PCB 1254PCB 1254
Misc Info : None
Comment : Rtx-CLPesticide II
Method : /chem/gcp.i/22May2009.b/p09p0522.m
Meth Date : 01-Jun-2009 11:55 lzhang Quant Type: ISTD
Cal Date : 22-MAY-2009 23:59 Cal File: P052214.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 1254NS.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable Local Compound Variable

AMOUNTS						
				CAL-AMT	ON-COL	
Compounds				(ug/mL)	(ug/mL)	
=====				=====	=====	
M	33	pcb1254		17010377557	5.00000	5.00
	34	pcb1254-1	10.030 10.066 (0.586)	3769331689	5.00000	5.00
	35	pcb1254-2	10.341 10.340 (0.604)	3574838505	5.00000	5.00
	36	pcb1254-3	11.084 11.084 (0.647)	4778168805	5.00000	5.00
	37	pcb1254-4	12.216 12.216 (0.714)	4888038559	5.00000	5.00
*	39	Decachlorodiphenyl Ether	17.120 17.119 (1.000)	21327736514	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052214.d

Calibration Time: 20:26

Lab Smp Id: 1685-121-5.0

Client Smp ID: PCB 1254

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	21307648584	10653824292	42615297168	21327736514	0.09
-----	-----	-----	-----	-----	-----

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	17.12	16.62	17.62	17.12	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: /chem/gcp.i/22May2009.b/P052214.d

Date : 22-MAY-2009 23:59

Client ID: PCB 1254

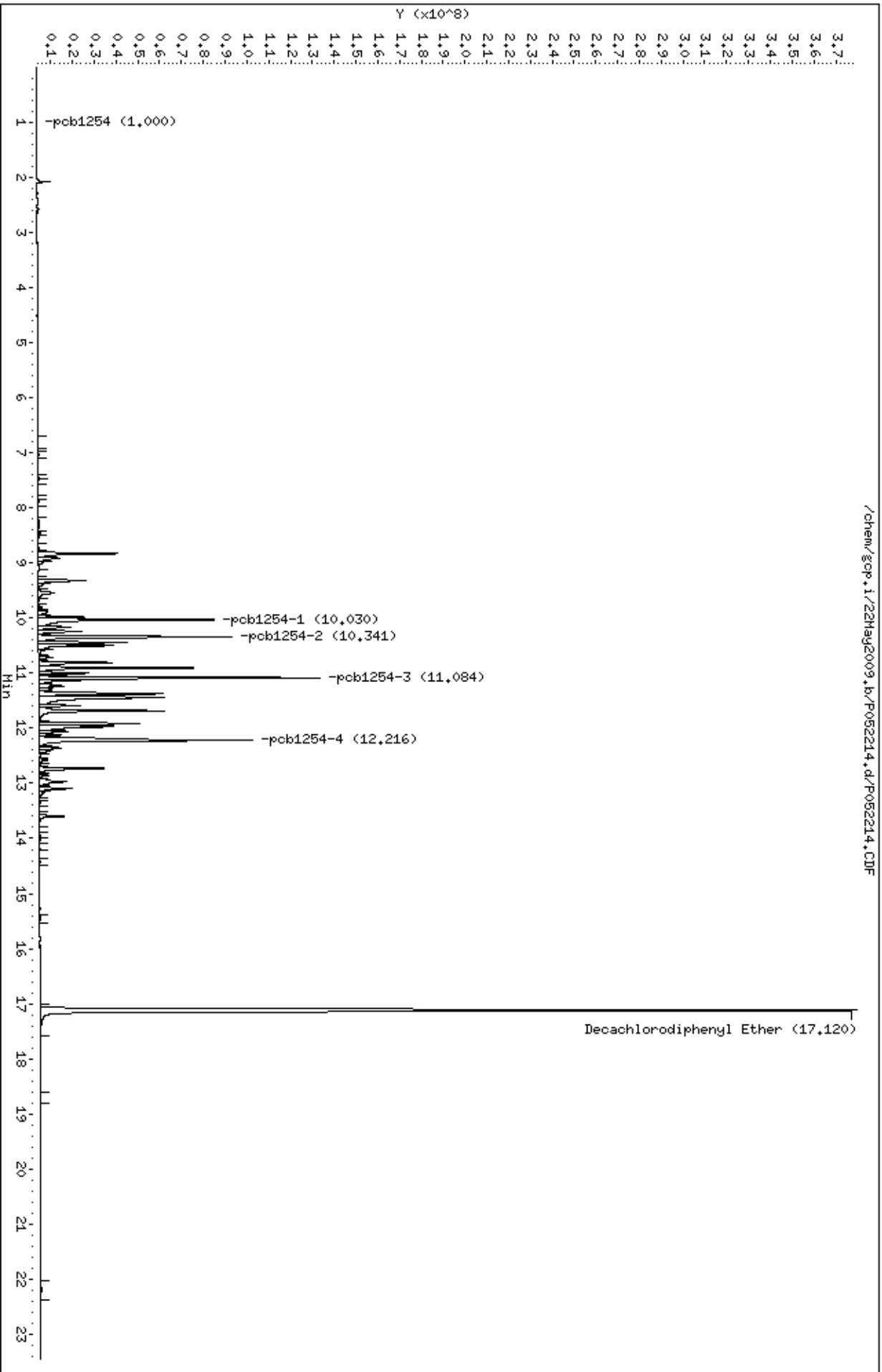
Sample Info: 1685-121-5.0 PCB 1254PCB 1254

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/22May2009.b/P052213.d

Lab Smp Id: 1685-121-5.0

Client Smp ID: PCB 1248

Inj Date : 22-MAY-2009 23:33

Operator : rn

Inst ID: gcp.i

Smp Info : 1685-121-5.0 PCB 1248

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/22May2009.b/p09p0522.m

Meth Date : 01-Jun-2009 11:30 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 23:59

Cal File: P052214.CDF

Als bottle: 1

Calibration Sample, Level: 3

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: 1248NS.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
=====	==	=====	=====	=====	=====	=====
M 28 pcb1248				7231266713	5.00000	5.00
29 pcb1248-1	8.983	9.120	(0.525)	1789812909	5.00000	5.00
30 pcb1248-2	9.873	9.918	(0.577)	1517118585	5.00000	5.00
31 pcb1248-3	9.974	9.974	(0.583)	2745221379	5.00000	5.00
32 pcb1248-4	10.904	10.904	(0.637)	1179113840	5.00000	5.00
* 39 Decachlorodiphenyl Ether	17.121	17.119	(1.000)	22126105488	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052213.d

Calibration Time: 20:26

Lab Smp Id: 1685-121-5.0

Client Smp ID: PCB 1248

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	21307648584	10653824292	42615297168	22126105488	3.84
-----	-----	-----	-----	-----	-----

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	17.12	16.62	17.62	17.12	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: /chem/gcp.i/22May2009.b/P052213.d

Date : 22-MAY-2009 23:33

Client ID: PCB 1248

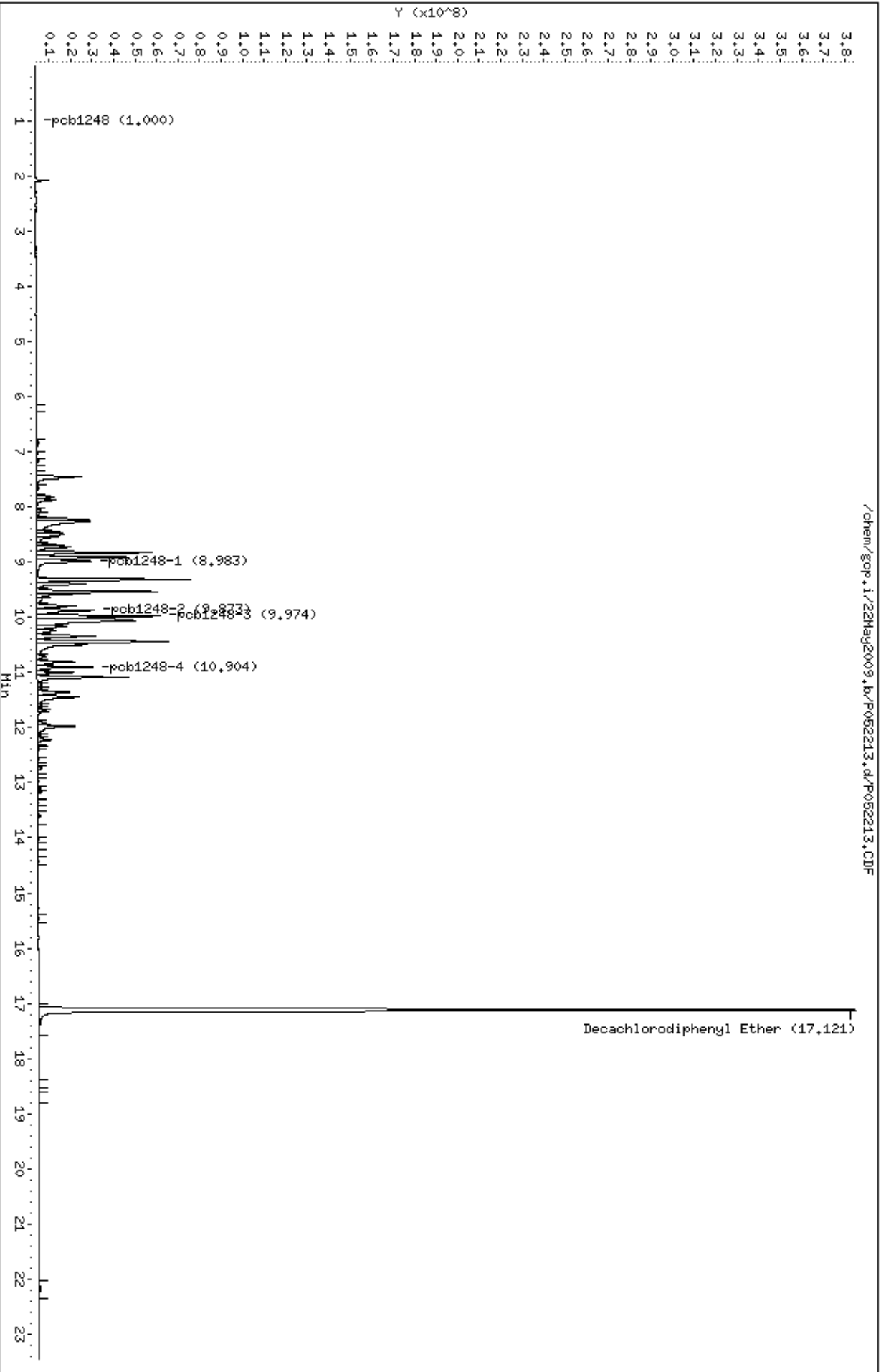
Sample Info: 1685-121-5.0 PCB 1248

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/22May2009.b/P052212.d

Lab Smp Id: 1685-121-5.0

Client Smp ID: PCB 1232

Inj Date : 22-MAY-2009 23:06

Operator : rn

Inst ID: gcp.i

Smp Info : 1685-121-5.0 PCB 1232

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/22May2009.b/p09p0522.m

Meth Date : 01-Jun-2009 11:30 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 23:59

Cal File: P052214.CDF

Als bottle: 1

Calibration Sample, Level: 3

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: 1232NS.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
=====	==	=====	=====	=====	=====	=====
M 18 pcb1232				2393304708	5.00000	5.00
19 pcb1232-1	7.871	7.892	(0.460)	639945068	5.00000	5.00
20 pcb1232-2	8.685	8.686	(0.507)	497466832	5.00000	5.00
21 pcb1232-3	8.826	8.826	(0.516)	617239361	5.00000	5.00
22 pcb1232-4	8.911	8.911	(0.520)	638653447	5.00000	5.00
* 39 Decachlorodiphenyl Ether	17.119	17.119	(1.000)	22322107763	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052212.d

Calibration Time: 20:26

Lab Smp Id: 1685-121-5.0

Client Smp ID: PCB 1232

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	21307648584	10653824292	42615297168	22322107763	4.76
-----	-----	-----	-----	-----	-----

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	17.12	16.62	17.62	17.12	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: /chem/gcp.i/22May2009.b/P052212.d

Date : 22-May-2009 23:06

Client ID: PCB 1232

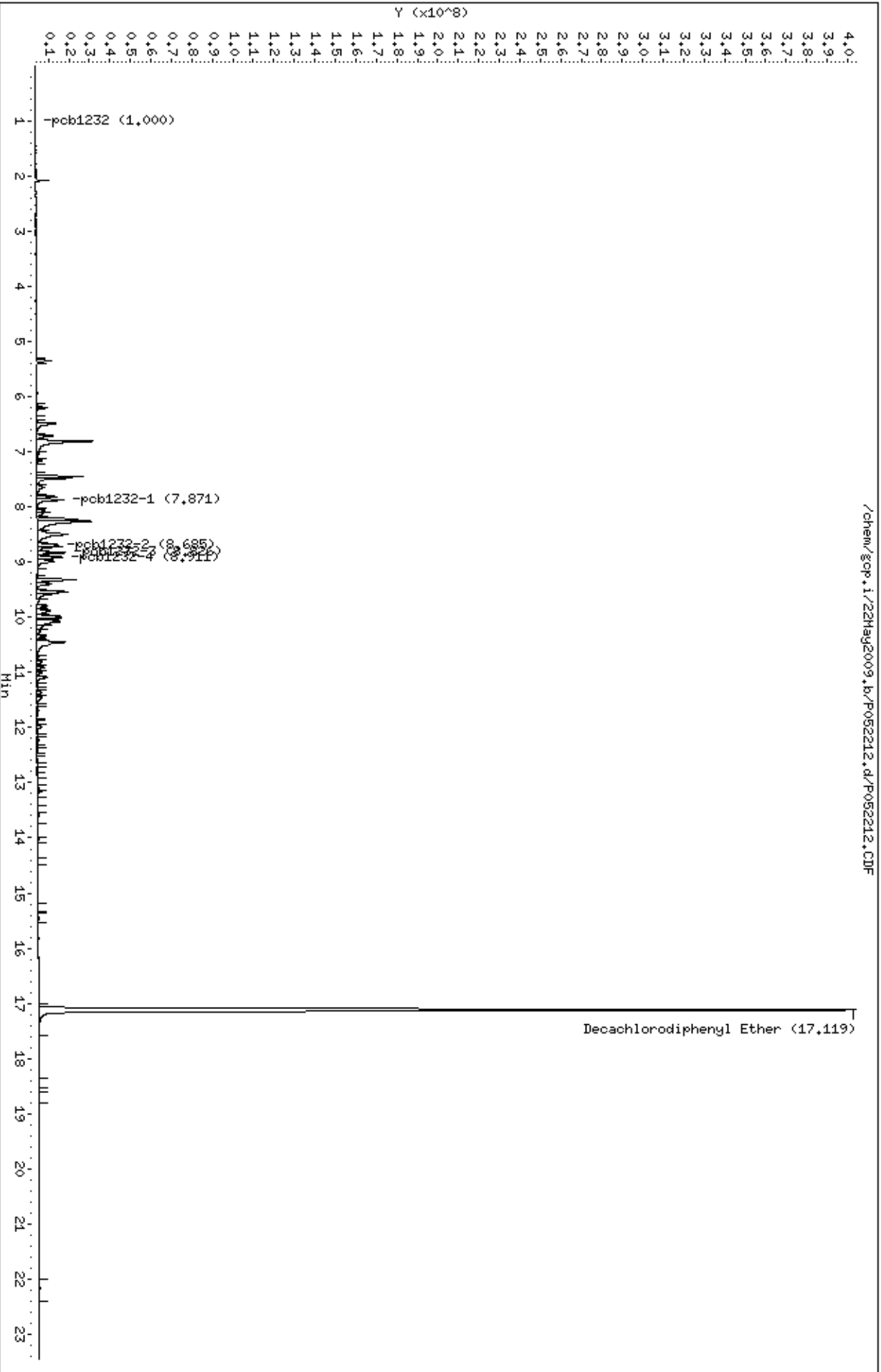
Sample Info: 1685-121-5.0 PCB 1232

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/22May2009.b/P052211.d

Lab Smp Id: 1685-121-5.0

Client Smp ID: PCB 1221

Inj Date : 22-MAY-2009 22:39

Operator : rn

Inst ID: gcp.i

Smp Info : 1685-121-5.0 PCB 1221

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/22May2009.b/p09p0522.m

Meth Date : 01-Jun-2009 11:30 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 23:59

Cal File: P052214.CDF

Als bottle: 1

Calibration Sample, Level: 3

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: 1221NS.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
Compounds	RT	EXP RT	REL RT	RESPONSE		(ug/mL)	(ug/mL)
=====	==	=====	=====	=====		=====	=====
M 13 pcb1221				3970451781		5.00000	5.00
14 pcb1221-1	5.342	5.441	(0.312)	431963628		5.00000	5.00
15 pcb1221-2	6.485	6.485	(0.379)	869411973		5.00000	5.00
16 pcb1221-3	6.706	6.706	(0.392)	509833929		5.00000	5.00
17 pcb1221-4	6.802	6.803	(0.397)	2159242251		5.00000	5.00
* 39 Decachlorodiphenyl Ether	17.122	17.119	(1.000)	21709480321		2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052211.d

Calibration Time: 20:26

Lab Smp Id: 1685-121-5.0

Client Smp ID: PCB 1221

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	21307648584	10653824292	42615297168	21709480321	1.89

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	17.12	16.62	17.62	17.12	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: /chem/gcp.i/22May2009.b/P052211.d

Date : 22-MAY-2009 22:39

Client ID: PCB 1221

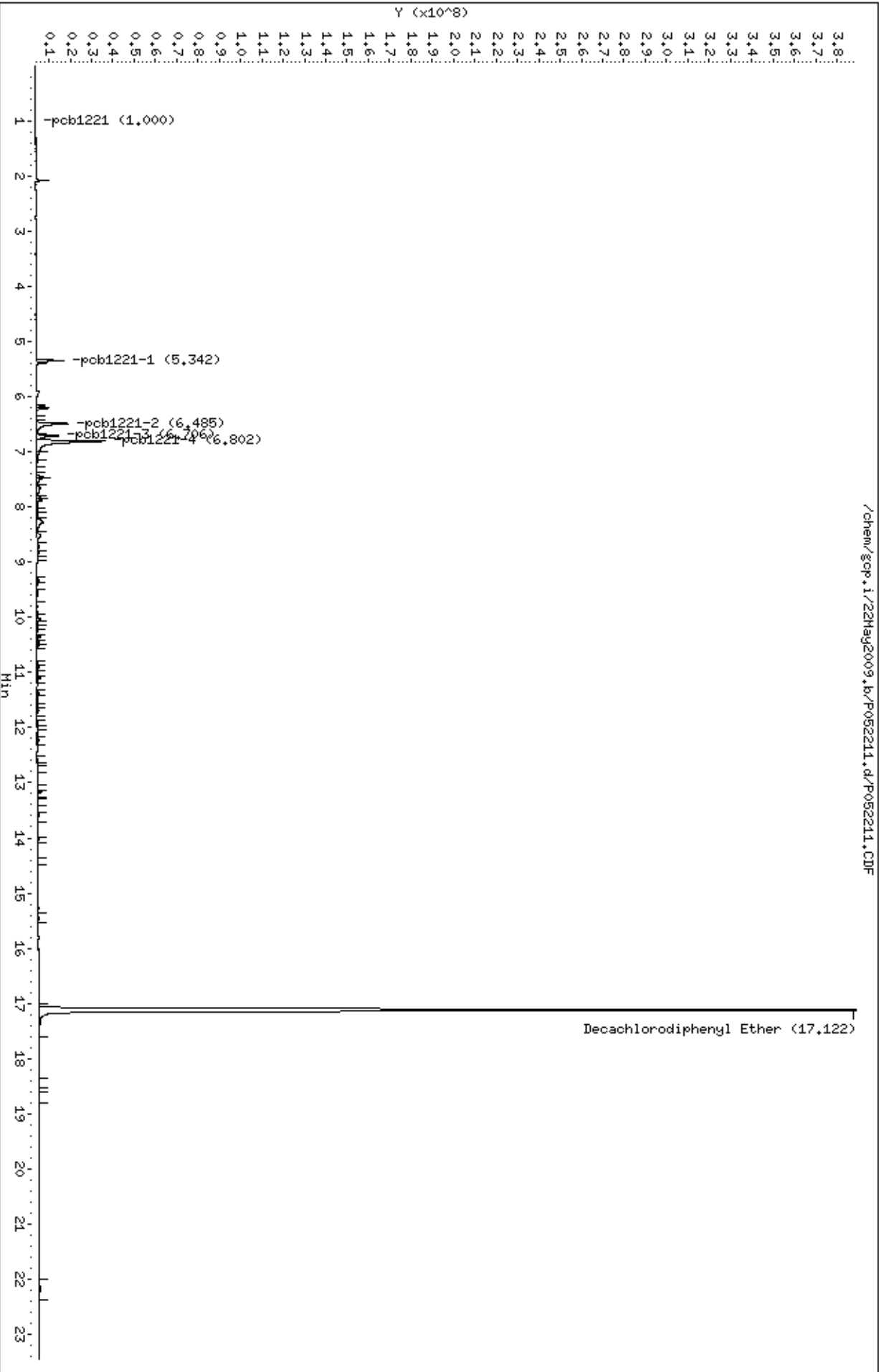
Sample Info: 1685-121-5.0 PCB 1221

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/22May2009.b/P052205.d

Lab Smp Id: 1685-137-5.0

Inj Date : 22-MAY-2009 19:59

Operator : rn

Inst ID: gcp.i

Smp Info : 1685-137-5.0

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/22May2009.b/p09p0522.m

Meth Date : 01-Jun-2009 11:30 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 23:59

Cal File: P052214.CDF

Als bottle: 1

Calibration Sample, Level: 3

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: CCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
					CAL-AMT	ON-COL
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.030	6.030	(0.352)	17177361230	1.00000	1.04
M 3 pcb1016/1242				12890825726	5.00000	5.33
4 pcb1016/1242-1	7.443	7.443	(0.435)	2034791139	5.00000	5.27
5 pcb1016/1242-2	8.244	8.262	(0.482)	5109270272	5.00000	5.27
6 pcb1016/1242-3	8.482	8.480	(0.496)	3450946797	5.00000	5.52
7 pcb1016/1242-4	9.312	9.312	(0.544)	2295817518	5.00000	5.24
M 8 pcb1260				20276630857	5.00000	5.22
9 pcb1260-1	11.372	11.373	(0.664)	4203718616	5.00000	5.23
10 pcb1260-2	11.680	11.681	(0.682)	5137265598	5.00000	5.24
11 pcb1260-3	12.753	12.754	(0.745)	3719761941	5.00000	5.19
12 pcb1260-4	13.089	13.090	(0.765)	7215884702	5.00000	5.23
\$ 38 DCB	15.434	15.436	(0.902)	11495108596	1.00000	1.04
* 39 Decachlorodiphenyl Ether	17.117	17.119	(1.000)	21168292148	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052205.d

Calibration Time: 23:59

Lab Smp Id: 1685-137-5.0

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	21168292148	10584146074	42336584296	21168292148	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	17.12	16.62	17.62	17.12	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: /chem/gcp.i/22May2009.b/P052205.d

Date : 22-May-2009 19:59

Client ID:

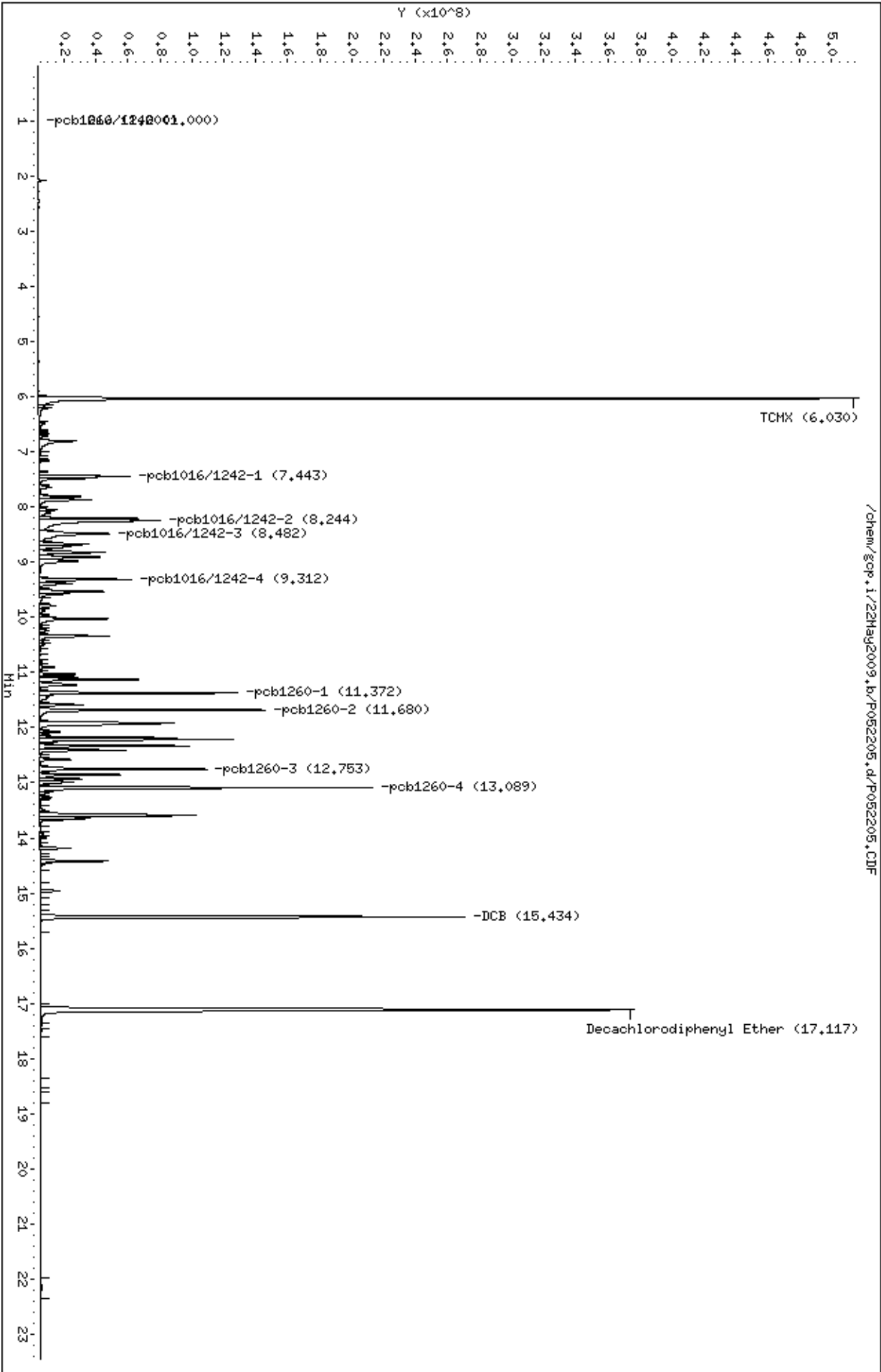
Sample Info: 1685-137-5.0

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/22May2009.b/P052206.d

Lab Smp Id: 1685-137-8.0

Inj Date : 22-MAY-2009 20:26

Operator : rn

Inst ID: gcp.i

Smp Info : 1685-137-8.0

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/22May2009.b/p09p0522.m

Meth Date : 01-Jun-2009 11:30 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 20:26

Cal File: P052206.d

Als bottle: 1

Calibration Sample, Level: 4

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: CCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
						ON-COL (ug/mL)
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
=====		==	=====	=====	=====	=====
\$ 2 TCMX		6.030	6.030	(0.352)	25420100614	1.60000
M 3 pcb1016/1242					18585751993	8.00000
4 pcb1016/1242-1		7.443	7.443	(0.435)	2976401795	8.00000
5 pcb1016/1242-2		8.242	8.242	(0.481)	7388179671	8.00000
6 pcb1016/1242-3		8.480	8.480	(0.495)	4874786202	8.00000
7 pcb1016/1242-4		9.312	9.312	(0.544)	3346384325	8.00000
M 8 pcb1260					29923905006	8.00000
9 pcb1260-1		11.373	11.373	(0.664)	6166884225	8.00000
10 pcb1260-2		11.681	11.681	(0.682)	7533731689	8.00000
11 pcb1260-3		12.754	12.754	(0.745)	5536010411	8.00000
12 pcb1260-4		13.090	13.090	(0.765)	10687278680	8.00000
\$ 38 DCB		15.436	15.436	(0.902)	17116192113	1.60000
* 39 Decachlorodiphenyl Ether		17.119	17.119	(1.000)	21307648584	2.00000

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052206.d

Calibration Time: 20:26

Lab Smp Id: 1685-137-8.0

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	21307648584	10653824292	42615297168	21307648584	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	17.12	16.62	17.62	17.12	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: /chem/gcp.i/22May2009.b/P052206.d

Date : 22-May-2009 20:26

Client ID:

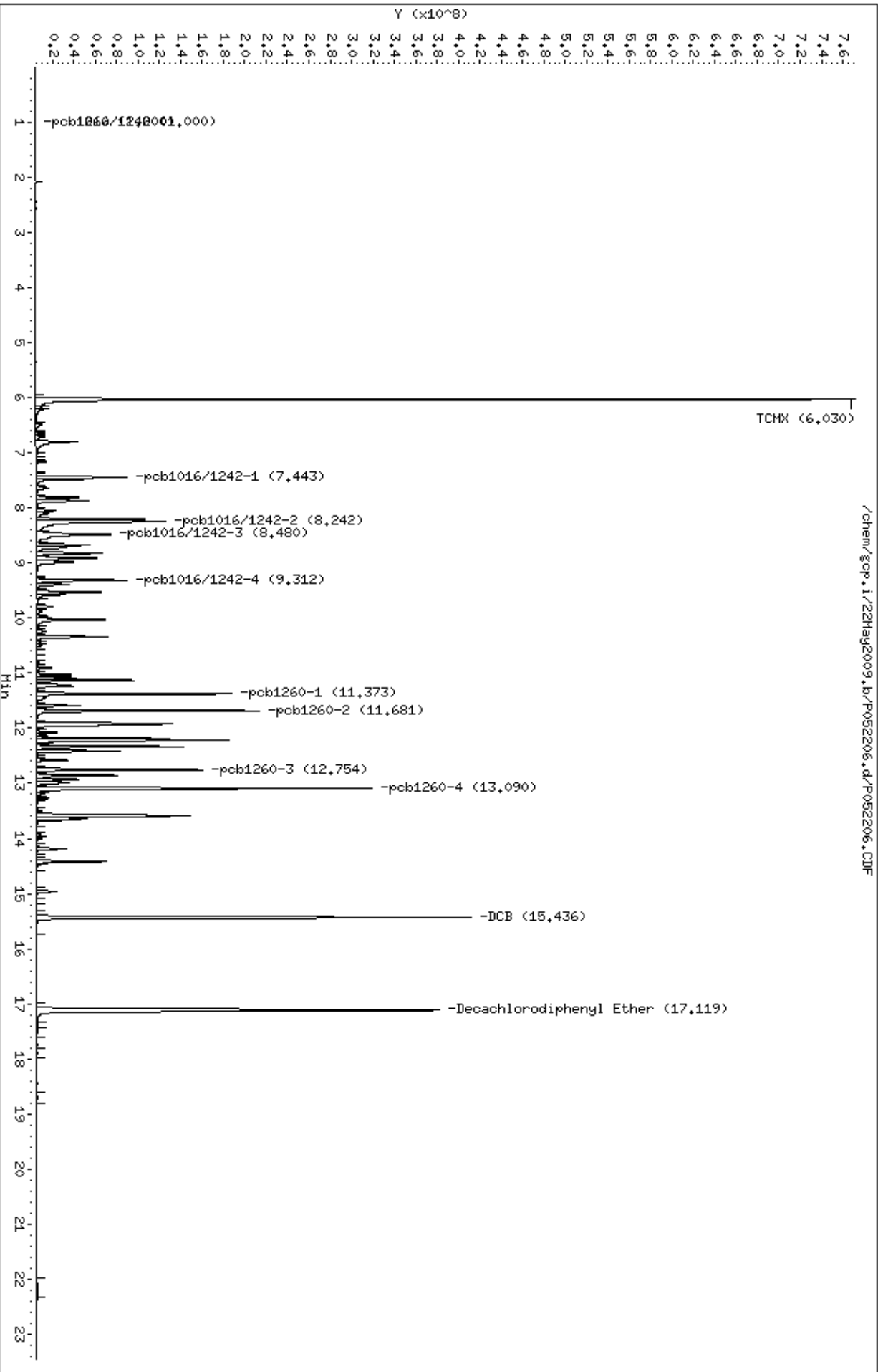
Sample Info: 1685-137-8.0

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/22May2009.b/P052207.d

Lab Smp Id: 1685-137-10

Inj Date : 22-MAY-2009 20:53

Operator : rn

Inst ID: gcp.i

Smp Info : 1685-137-10

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/22May2009.b/p09p0522.m

Meth Date : 01-Jun-2009 11:30 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 20:53

Cal File: P052207.d

Als bottle: 1

Calibration Sample, Level: 5

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: CCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
						ON-COL (ug/mL)
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
=====		==	=====	=====	=====	=====
\$ 2 TCMX		6.030	6.030	(0.352)	31324001995	2.00000
M 3 pcb1016/1242					22278049603	10.0000
4 pcb1016/1242-1		7.443	7.443	(0.435)	3648011624	10.0000
5 pcb1016/1242-2		8.241	8.242	(0.481)	9120802431	10.0000
6 pcb1016/1242-3		8.478	8.480	(0.495)	5302783173	10.0000
7 pcb1016/1242-4		9.311	9.312	(0.544)	4206452375	10.0000
M 8 pcb1260					36987974774	10.0000
9 pcb1260-1		11.373	11.373	(0.664)	7587098328	10.0000
10 pcb1260-2		11.680	11.681	(0.682)	9263941075	10.0000
11 pcb1260-3		12.753	12.754	(0.745)	6866657988	10.0000
12 pcb1260-4		13.089	13.090	(0.765)	13270277383	10.0000
\$ 38 DCB		15.436	15.436	(0.902)	21325288062	2.00000
* 39 Decachlorodiphenyl Ether		17.119	17.119	(1.000)	21373083312	2.00000

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052207.d

Calibration Time: 20:26

Lab Smp Id: 1685-137-10

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	21307648584	10653824292	42615297168	21373083312	0.31

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	17.12	16.62	17.62	17.12	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: /chem/gcp.i/22May2009.b/P052207.d

Date : 22-May-2009 20:53

Client ID:

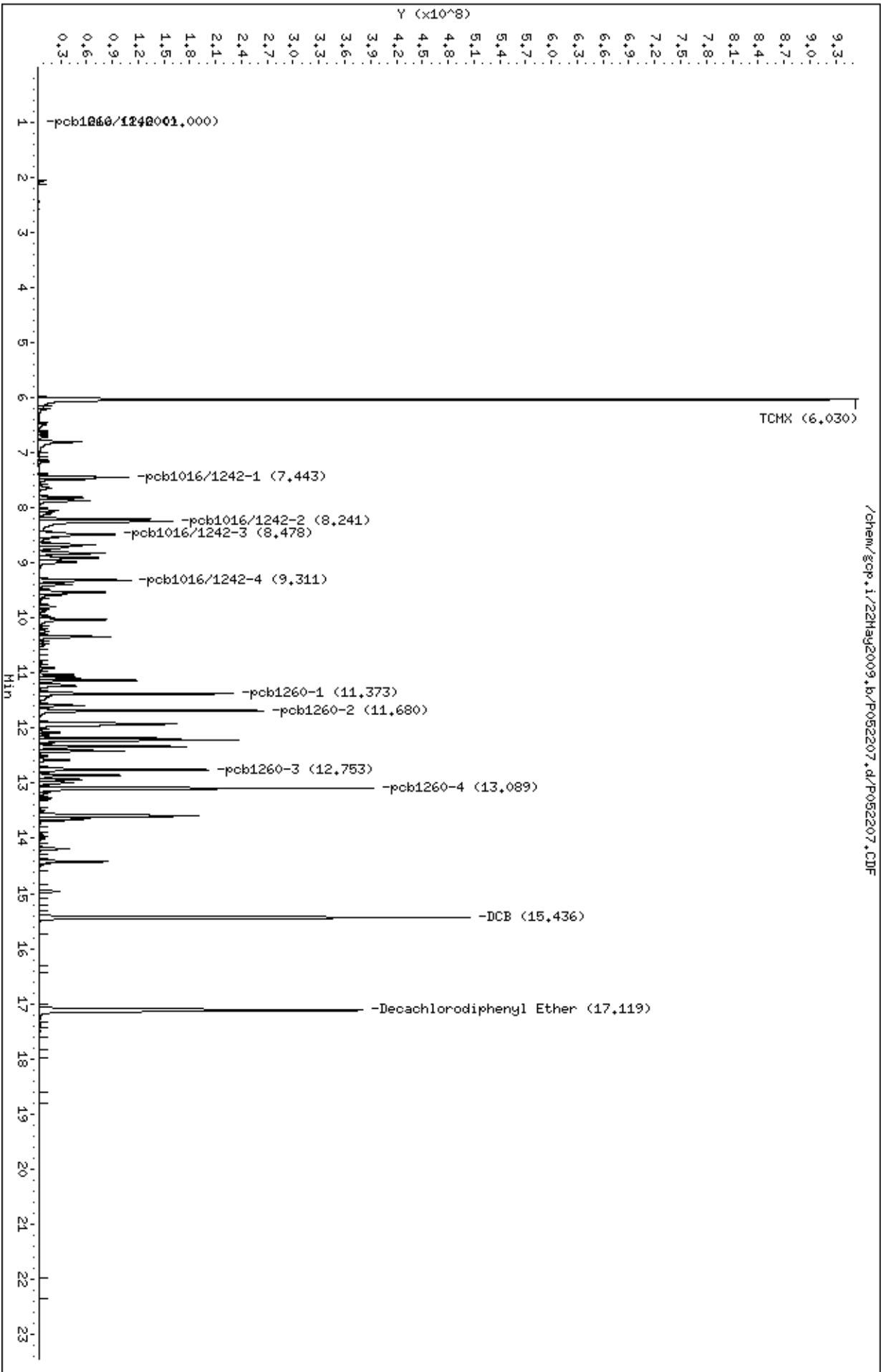
Sample Info: 1685-137-10

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/22May2009.b/P052208.d

Lab Smp Id: 1685-137-12

Inj Date : 22-MAY-2009 21:19

Operator : rn

Inst ID: gcp.i

Smp Info : 1685-137-12

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/22May2009.b/p09p0522.m

Meth Date : 01-Jun-2009 11:30 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 21:19

Cal File: P052208.d

Als bottle: 1

Calibration Sample, Level: 6

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: CCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
						ON-COL (ug/mL)
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
=====		==	=====	=====	=====	=====
\$ 2	TCMX	6.029	6.030	(0.352)	35966879697	2.40000
M 3	pcb1016/1242				25761231936	12.0000
4	pcb1016/1242-1	7.442	7.443	(0.435)	4216093250	12.0000
5	pcb1016/1242-2	8.240	8.242	(0.481)	10509113226	12.0000
6	pcb1016/1242-3	8.477	8.480	(0.495)	6148594137	12.0000
7	pcb1016/1242-4	9.310	9.312	(0.544)	4887431323	12.0000
M 8	pcb1260				42861740439	12.0000
9	pcb1260-1	11.372	11.373	(0.664)	8755384528	12.0000
10	pcb1260-2	11.680	11.681	(0.682)	10712000129	12.0000
11	pcb1260-3	12.752	12.754	(0.745)	7997372558	12.0000
12	pcb1260-4	13.088	13.090	(0.765)	15396983224	12.0000
\$ 38	DCB	15.435	15.436	(0.902)	24796067954	2.40000
* 39	Decachlorodiphenyl Ether	17.117	17.119	(1.000)	20550459704	2.00000

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052208.d

Calibration Time: 20:26

Lab Smp Id: 1685-137-12

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	21307648584	10653824292	42615297168	20550459704	-3.55

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	17.12	16.62	17.62	17.12	-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: /chem/gcp.i/22May2009.b/P052208.d

Date : 22-May-2009 21:19

Client ID:

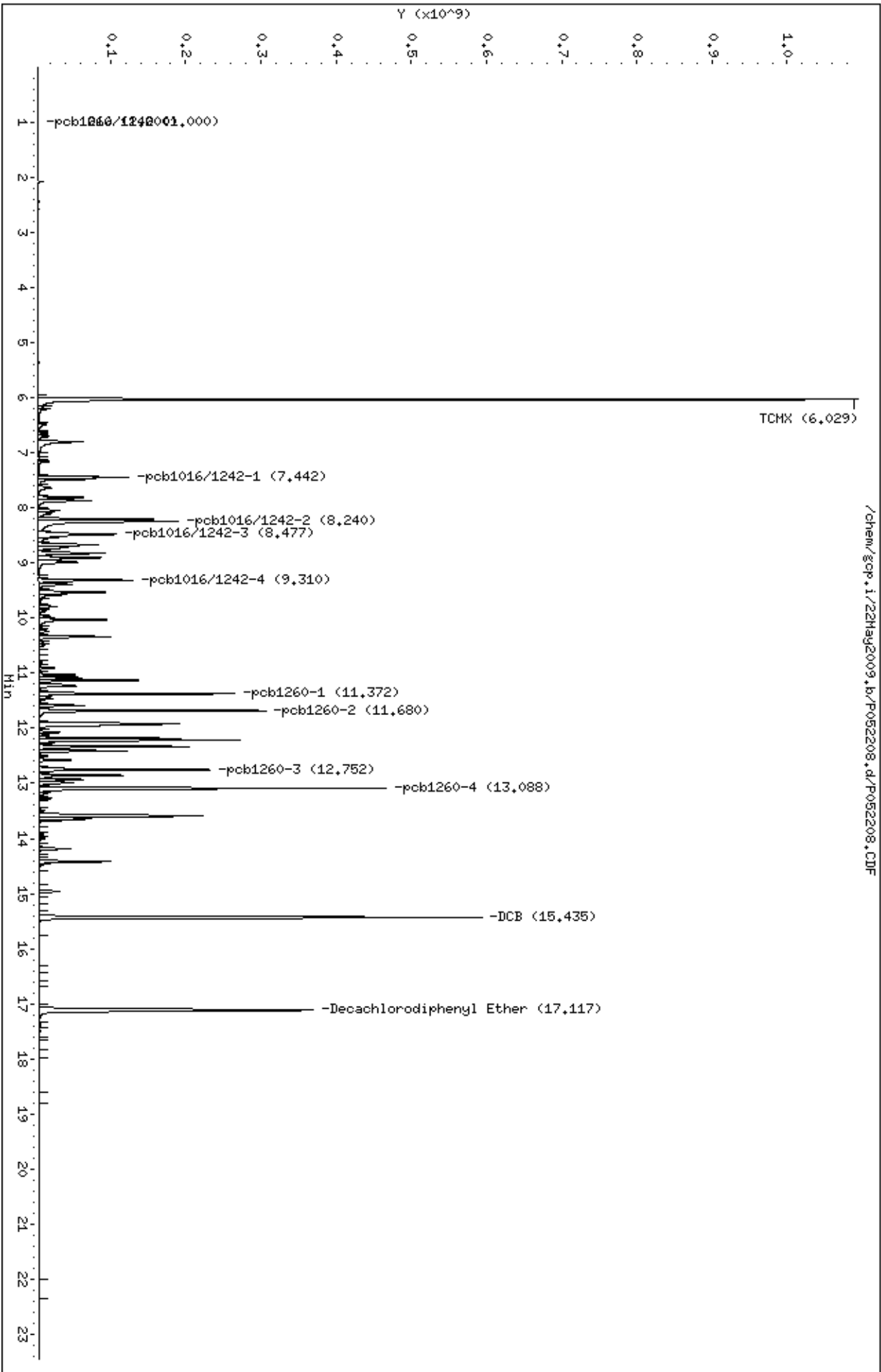
Sample Info: 1685-137-12

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/22May2009.b/P052209.d

Lab Smp Id: 1685-137-15

Inj Date : 22-MAY-2009 21:46

Operator : rn

Inst ID: gcp.i

Smp Info : 1685-137-15

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/22May2009.b/p09p0522.m

Meth Date : 01-Jun-2009 11:30 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 21:46

Cal File: P052209.d

Als bottle: 1

Calibration Sample, Level: 7

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: CCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
						ON-COL (ug/mL)
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
=====		==	=====	=====	=====	=====
\$ 2	TCMX	6.029	6.030	(0.352)	43156806211	3.00000
M 3	pcb1016/1242				30589529919	15.0000
4	pcb1016/1242-1	7.442	7.443	(0.435)	4983483673	15.0000
5	pcb1016/1242-2	8.239	8.242	(0.481)	12417886567	15.0000
6	pcb1016/1242-3	8.476	8.480	(0.495)	7334869227	15.0000
7	pcb1016/1242-4	9.311	9.312	(0.544)	5853290452	15.0000
M 8	pcb1260				51415679794	15.0000
9	pcb1260-1	11.372	11.373	(0.664)	10444897890	15.0000
10	pcb1260-2	11.680	11.681	(0.682)	12783419641	15.0000
11	pcb1260-3	12.753	12.754	(0.745)	9636104276	15.0000
12	pcb1260-4	13.089	13.090	(0.765)	18551257987	15.0000
\$ 38	DCB	15.436	15.436	(0.902)	29929712758	3.00000
* 39	Decachlorodiphenyl Ether	17.118	17.119	(1.000)	20869538353	2.00000

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052209.d

Calibration Time: 20:26

Lab Smp Id: 1685-137-15

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	21307648584	10653824292	42615297168	20869538353	-2.06
-----	-----	-----	-----	-----	-----

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	17.12	16.62	17.62	17.12	-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: /chem/gcp.i/22May2009.b/P052209.d

Date : 22-May-2009 21:46

Client ID:

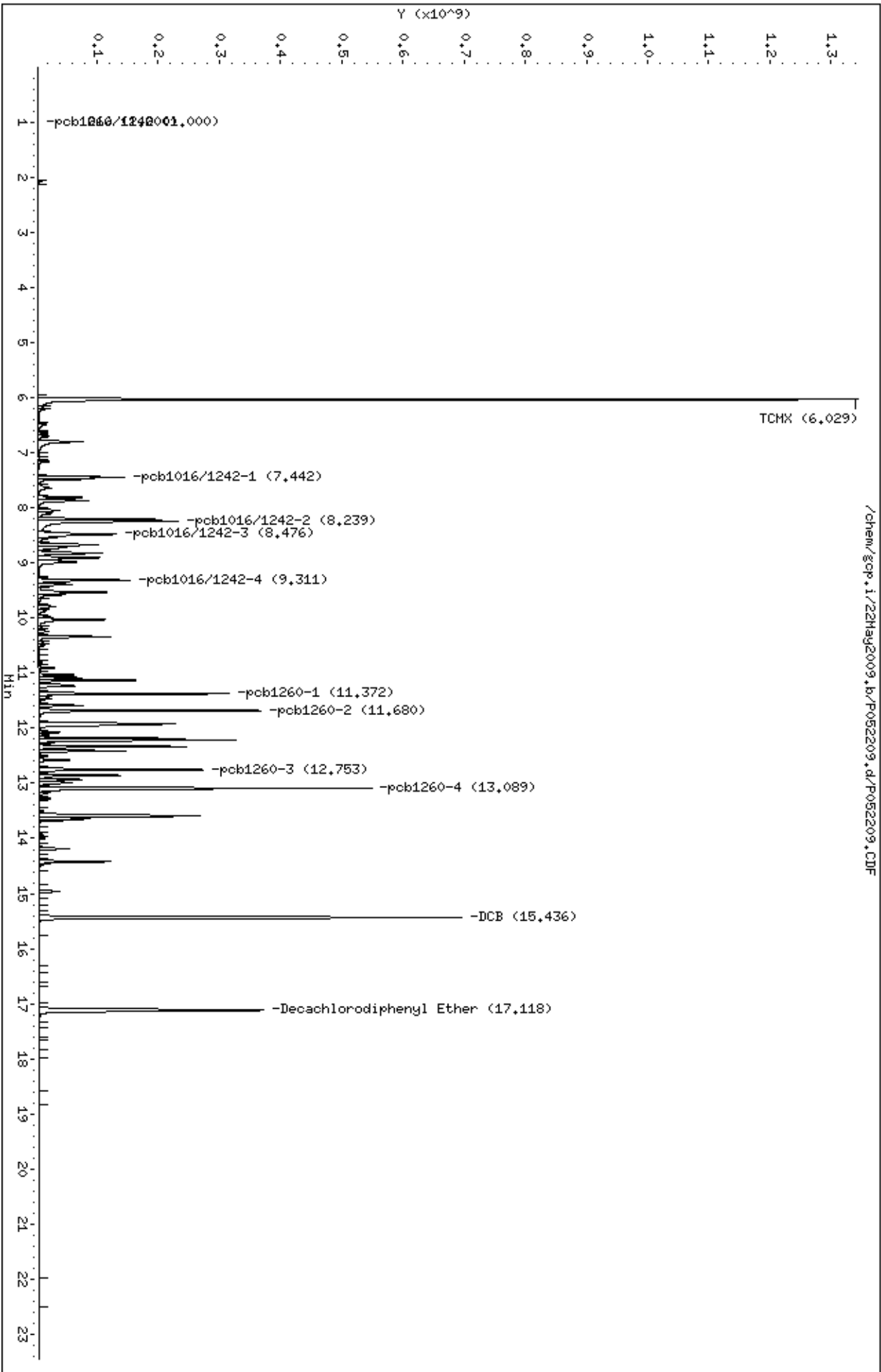
Sample Info: 1685-137-15

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



INITIAL CALIBRATION DATA

[illegible]

INITIAL CALIBRATION DATA

[illegible]

INITIAL CALIBRATION DATA

Curve Type : Average

		1.000	3.000	5.000	8.000	10.000	12.000	—	
Compound		Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	% RSD
		-----	-----	-----	-----	-----	-----		
		15.000							
		Level 7							
=====		=====	=====	=====	=====	=====	=====	=====	=====
30	pcb1248-2	+++++	+++++	0.02011	+++++	+++++	+++++		
		+++++						0.02011	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
31	pcb1248-3	+++++	+++++	0.04296	+++++	+++++	+++++		
		+++++						0.04296	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
32	pcb1248-4	+++++	+++++	0.01614	+++++	+++++	+++++		
		+++++						0.01614	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
M 33	pcb1254	+++++	+++++	0.28280	+++++	+++++	+++++		
		+++++						0.28280	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
34	pcb1254-1	+++++	+++++	0.04931	+++++	+++++	+++++		
		+++++						0.04931	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
35	pcb1254-2	+++++	+++++	0.07401	+++++	+++++	+++++		
		+++++						0.07401	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
36	pcb1254-3	+++++	+++++	0.07795	+++++	+++++	+++++		
		+++++						0.07795	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
37	pcb1254-4	+++++	+++++	0.08153	+++++	+++++	+++++		
		+++++						0.08153	0.000
-----		-----	-----	-----	-----	-----	-----	-----	-----
=====		=====	=====	=====	=====	=====	=====	=====	=====
\$ 2	TCMX	1.45494	1.35907	1.43079	1.36632	1.38480	1.39996		
		1.34976						1.39223	2.799
-----		-----	-----	-----	-----	-----	-----	-----	-----
\$ 38	DCB	1.19011	1.04305	1.10952	1.05229	1.06372	1.08714		
		1.04634						1.08460	4.825

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAY-2009 19:06
End Cal Date : 22-MAY-2009 23:59
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m
Cal Date : 01-Jun-2009 11:35 lzhang
Curve Type : Average

Average %RSD Results.	
=====	
Calculated Average %RSD =	5.87170553
Maximum Average %RSD =	20
* Passed Average %RSD Test.	

Calibration History

Method : /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m
Start Cal Date: 22-MAY-2009 19:06
End Cal Date : 22-MAY-2009 23:59

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 1.00000		
22-MAY-2009 19:06	CCV	/chem/gcp.i/22May2009.b/P052203b.d
Cal Level: 2 , Cal Amount: 3.00000		
22-MAY-2009 19:32	CCV	/chem/gcp.i/22May2009.b/P052204b.d
Cal Level: 3 , Cal Amount: 5.00000		
22-MAY-2009 23:59	1254NS	/chem/gcp.i/22May2009.b/P052214b.d
22-MAY-2009 23:33	1248NS	/chem/gcp.i/22May2009.b/P052213b.d
22-MAY-2009 23:06	1232NS	/chem/gcp.i/22May2009.b/P052212b.d
22-MAY-2009 22:39	1221NS	/chem/gcp.i/22May2009.b/P052211b.d
22-MAY-2009 19:59	CCV	/chem/gcp.i/22May2009.b/P052205b.d
Cal Level: 4 , Cal Amount: 8.00000		
22-MAY-2009 20:26	CCV	/chem/gcp.i/22May2009.b/P052206b.d
Cal Level: 5 , Cal Amount: 10.00000		
22-MAY-2009 20:53	CCV	/chem/gcp.i/22May2009.b/P052207b.d
Cal Level: 6 , Cal Amount: 12.00000		
22-MAY-2009 21:19	CCV	/chem/gcp.i/22May2009.b/P052208b.d
Cal Level: 7 , Cal Amount: 15.00000		
22-MAY-2009 21:46	CCV	/chem/gcp.i/22May2009.b/P052209b.d

Ccal Level Mode: GLOBAL LEVEL 4

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 22-MAY-2009 19:06
End Cal Date : 22-MAY-2009 23:59
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP Genie
Method file : /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m
Cal Date : 01-Jun-2009 11:35 lzhang
Curve Type : Average

2nd Source : P052603b

Calibration File Names:

- Level 1: /chem/gcp.i/22May2009.b/P052203b.d
- Level 2: /chem/gcp.i/22May2009.b/P052204b.d
- Level 3: /chem/gcp.i/22May2009.b/P052214b.d
- Level 4: /chem/gcp.i/22May2009.b/P052206b.d
- Level 5: /chem/gcp.i/22May2009.b/P052207b.d
- Level 6: /chem/gcp.i/22May2009.b/P052208b.d
- Level 7: /chem/gcp.i/22May2009.b/P052209b.d

see Calibration History

PCB 1221 - P052211b

1232 - P052212b

1248 - P052213b

1254 - P052214b

run 6/1/09

1242 - P052215b info only

Based on 1ul injection

Compound	und in ppm						RRF	% RSD
	1.000	3.000	5.000	8.000	10.000	12.000		
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	15.000							
	Level 7							
M 3 pcb1016/1242	0.21274	0.18605	0.19481	0.18515	0.18496	0.18723	0.19014	5.728
	0.18005							
4 pcb1016/1242-1	0.05469	0.05010	0.05085	0.04751	0.04699	0.04757	0.04901	6.379
	0.04534							
5 pcb1016/1242-2	0.06728	0.05990	0.06415	0.06172	0.06202	0.06285	0.06266	3.931
	0.06068							
6 pcb1016/1242-3	0.05286	0.04450	0.04611	0.04372	0.04360	0.04403	0.04532	7.730
	0.04244							
7 pcb1016/1242-4	0.03792	0.03155	0.03370	0.03220	0.03234	0.03278	0.03315	6.714
	0.03159							
M 8 pcb1260	0.39538	0.34165	0.36181	0.33885	0.34155	0.34685	0.35151	6.033
	0.33448							
9 pcb1260-1	0.08096	0.06846	0.07059	0.06518	0.06519	0.06573	0.06846	8.815
	0.06308							

run 6/1/09

6/1/09

Method: Mod. TO-4A/TO-10A

83

IS Std ID	IS	Area Counts	Breakdown %
NA	1-Bromo-2-Nitrobenzene	Front: NA Back: ↓	Endrin Front: NA Back: ↓
1685-320-50	Decafluorodiphenyl Ether	Front: 21320271892 Back: 6209665562	DDT Front: ↓ Back: ↓
NA	NA	Front: NA Back: ↓	must be ≤15%

Injection Volume: 1.0 µL

GMT

USE	File #	Sample / Client Name	Vial #	Dil. Factor	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	P052201	Hexane Wash	1	1.0	5/22/09	1812	LA	
2	✓	02	Hexane Blank	2			1839		
3	✓	03	1685-137-1.0	3			1906		
4	✓	04	-3.0	4			1932		
5	✓	05	-5.0	5			1959		
6	✓	06	-8.0	6			2026		ccv.
7	✓	07	-10	7			2053		
8	✓	08	-12	8			2119		
9	✓	09	↓ -15	9			2146		
10	X	10	1685-128-5.0 ^{PCB}	10			2213		surr ↑
11	✓	11	1685-121-5.0 ^{PCB}	11			2239		
12	✓	12	1685-121-5.0 ^{PCB}	12			2306		
13	✓	13	1248	13			2333		
14	✓	14	1254	14			2359		
15	✓	15	1242	15		5/23/09	0026		
16									
17									
18									
19									
20									
21									
22									
23									
24									

Calculation Check:

File ID: P052206 Compound: pcb 1016/1242Initials: LA

$$\text{nG On Column} = \frac{\text{Area of Compound in Sample} \times \text{Conc. Int. Standard}}{\text{Area of Int. Standard in Sample}} = \frac{18922798359}{21320271892} \times (2.00) = 1.766$$

$$\mu\text{G/Sample} = \frac{\text{nG On Column} \times 1000 \mu\text{L Final Vol.} \times \text{D.F.}}{1.0 \mu\text{L Inj. Vol.} \times 1000 \text{ nG}/\mu\text{G}} = \frac{(1.766) \times (1000) \times (1.00)}{(1000)} = 1.766$$

Symon Antonelli
Signed

5/22/09

Date

Reported Result = 7.66

Revised: 02/27/06

Method: Mod. TO-4A/TO-10A

85

IS Std ID	IS	Area Counts	Breakdown %
NA	1-Bromo-2-Nitrobenzene	Front: NA Back: ↓	Endrin Front: 5.77% Back: 5.97%
1685-32D-525	Decafluorodiphenyl Ether	Front: 18898128504 Back: 5731711199	DDT Front: 8.40% Back: 6.48%
NA	NA	Front: NA Back: ↓	must be ≤15%

Injection Volume: 1.0 µL

GMT

USE	File #	Sample / Client Name	Vial #	Dil. Factor	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	P052601 Hexane Wash	1	1.0	LA	5/26/09	1549	LA	
2	✓	02 1685-137-8.0 ^{Pest} CCV	2				1616		
3	✓	03 1685-153-8.0 ^{Pest} CCV	3				1643		
4	✓	04 1685-137-8.0 ^{Pest} CCV	4		↓		1726		
5	✓	05 Hexane Wash	1		DDT		2054		
6	✓	06 1685-143-0.8 ^{tune}	2				2120		
7	✓	07 1685-135-0.6 ^{Pest} CCV	3				2147		
8	✓	08 Hexane Blank	4				2214		
9	✓	09 0905530B-Blank	5			✓	2341		
10	X	10 ^{Pest} -LCS	6			5/27/09	0008		B Low ^{nm 5/27/09} 1610
11	✓	11 -05A	7				0035		
12	✓	12 -06A	8				0102		
13	✓	13 -07A	9				0128		
14	✓	14 -08A	10				0155		
15	✓	15 [↓] -08AA	10				0222		
16	✓	16 1685-135-0.6 ^{Pest} CCV	11		✓		0248		
17	✓	17 Hexane Wash	12		LA		1526		
18	✓	18 0905530B-LCS	13		↓		1553		
19	✓	19 1685-135-0.6 ^{Pest} CCV	14		↓		1620		
20	✓	20 Hexane Blank	15		DDT		1802		
21	✓	21 0905530A-05AA	16		↓		1829		
22	✓	22 1685-135-0.6 ^{Pest} CCV	17	✓	↓	✓	1855		
23									
24							✓ 5/27/09		

Calculation Check:

File ID: V052619 Compound: α-BHCInitials: DDT

$$\text{nG On Column} = \frac{\text{Area of Compound in Sample} \times \text{Conc. Int. Standard}}{\text{Area of Int. Standard in Sample} \times \text{ICAL RRF}_{\text{AVG}}} = \frac{14405387052 \times (2.00)}{1804770354 \times (2.78691)} = 0.65234$$

$$\mu\text{G/Sample} = \frac{\text{nG On Column} \times 1000 \mu\text{L Final Vol.} \times \text{D.F.}}{1.0 \mu\text{L Inj. Vol.} \times 1000 \text{ nG}/\mu\text{G}} = \frac{(0.65234) \times (1000) \times (1)}{(1000)} = 0.65234$$

DDT

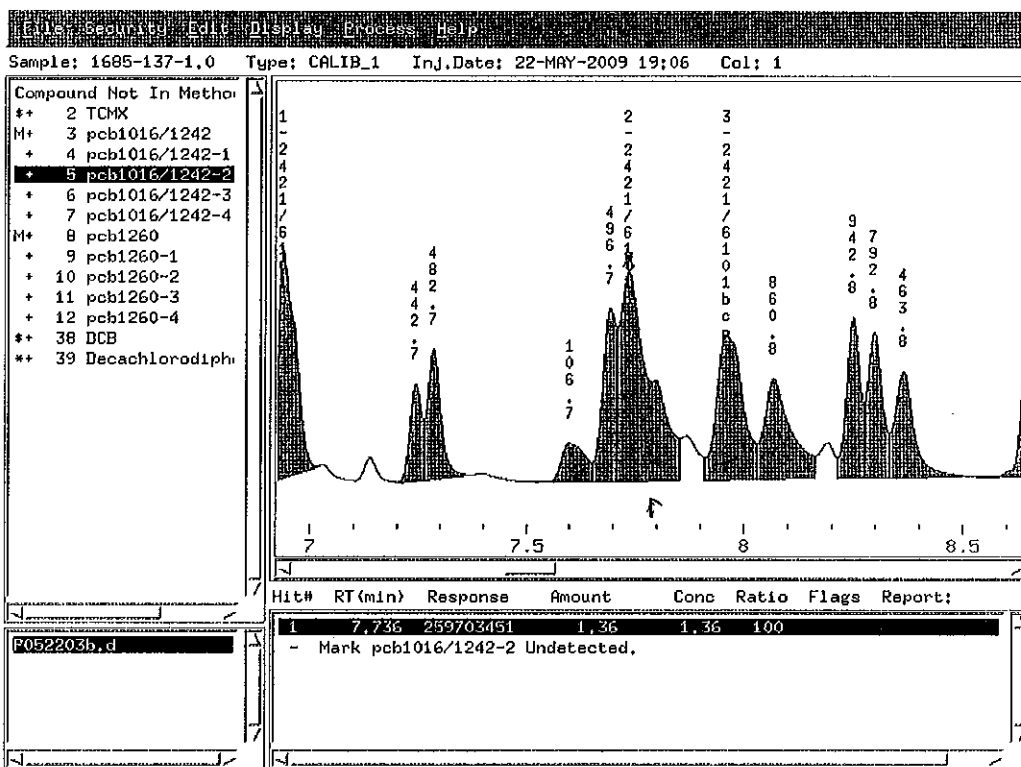
Signed

5/27/09

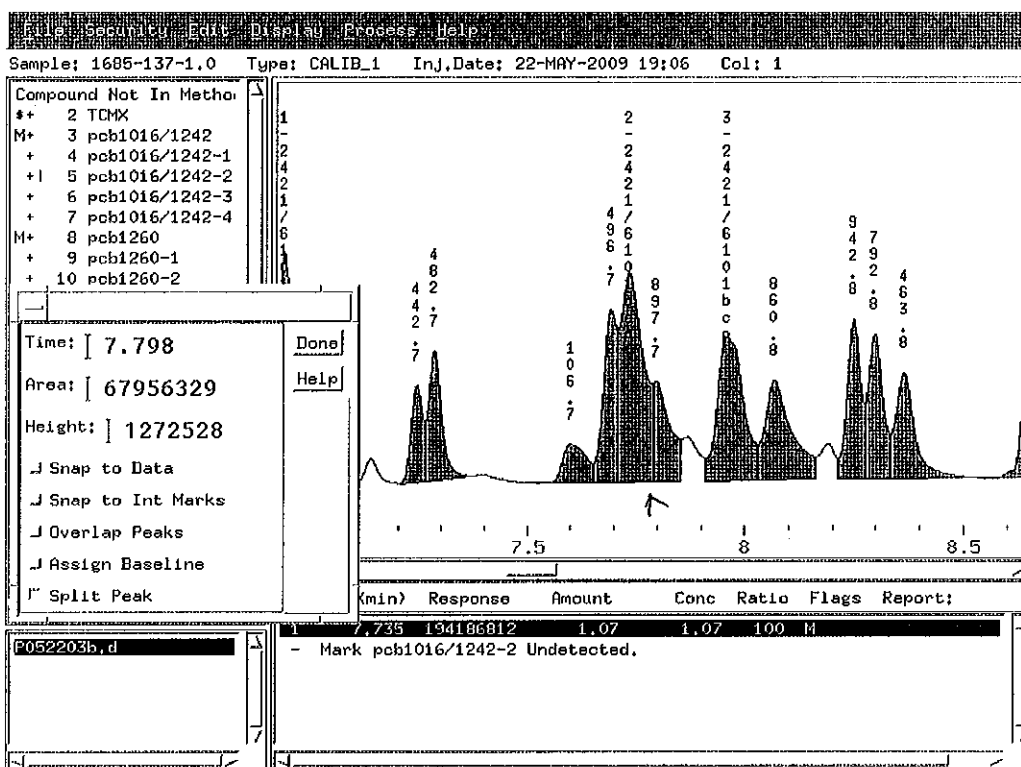
Date

Reported Result =

Revised: 02/27/06



Before
 4.611109



After

Correct Baseline	M/R
Split Peak	
Merge Peak	
Zoom In	
Change Parameter	
System Peak Subtraction	
Peak Misidentified	↓
Corrected Peak Integration	✓

6/11/09

SS 6/11/09

Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/26May2009.b/P052603b.d
Lab Smp Id: 1685-153-8.0 PCB Client Smp ID: LCS
Inj Date : 26-MAY-2009 16:43
Operator : LA Inst ID: gcp.i
Smp Info : 1685-153-8.0 PCB LCS
Misc Info : None
Comment : Rtx-CLPesticide
Method : /chem/gcp.i/26May2009.b/p09p0522.m/p09b0522.m
Meth Date : 01-Jun-2009 13:09 lantonic Quant Type: ISTD
Cal Date : 22-MAY-2009 23:59 Cal File: P052214b.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: CCV.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
-----	-----	-----
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable Local Compound Variable

		CONCENTRATIONS					
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		5.843	5.842	(0.372)	6475554236	1.62834	1.63
M 3 pcb1016/1242					4057436883	7.47058	7.47
4 pcb1016/1242-1		6.937	6.935	(0.441)	1062666558	7.59123	7.59
5 pcb1016/1242-2		7.718	7.715	(0.491)	1322009893	7.38644	7.39
6 pcb1016/1242-3		7.942	7.940	(0.505)	951722152	7.35160	7.35
7 pcb1016/1242-4		8.651	8.649	(0.550)	721038278	7.61389	7.61
M 8 pcb1260					7975741662	7.94348	7.94
9 pcb1260-1		10.707	10.705	(0.681)	1467848046	7.50646	7.51
10 pcb1260-2		11.130	11.128	(0.708)	2156360856	7.26234	7.26
11 pcb1260-3		12.074	12.072	(0.768)	1382122259	8.46368	8.46
12 pcb1260-4		12.502	12.501	(0.795)	2969410500	8.52561	8.52
\$ 38 DCB		14.397	14.395	(0.916)	5000855168	1.61419	1.61
* 39 Decachlorodiphenyl Ether		15.722	15.719	(1.000)	5712825214	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 26-MAY-2009

Lab File ID: P052603b.d

Calibration Time: 16:16

Lab Smp Id: 1685-153-8.0 PCB

Client Smp ID: LCS

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: LA

Method File: /chem/gcp.i/26May2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	5474794735	2737397367	10949589470	5712825214	4.35

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.72	15.22	16.22	15.72	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 26May2009
Sample Matrix: GAS	Fraction: VOA
Lab Smp Id: 1685-153-8.0 PCB	Client Smp ID: LCS
Level: LOW	Operator: LA
Data Type: GC DATA	SampleType: LCS
SpikeList File: CCV10.spk	Quant Type: ISTD
Sublist File: CCV.sub	
Method File: /chem/gcp.i/26May2009.b/p09p0522.m/p09b0522.m	
Misc Info: None	

SPIKE COMPOUND		CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$	2 TCMX	1.60	1.63	101.77	85-115
M	3 pcb1016/1242	8.00	7.47	93.38	85-115
	4 pcb1016/1242-1	8.00	7.59	94.89	85-115
	5 pcb1016/1242-2	8.00	7.39	92.33	85-115
	6 pcb1016/1242-3	8.00	7.35	91.89	85-115
	7 pcb1016/1242-4	8.00	7.61	95.17	85-115
M	8 pcb1260	8.00	7.94	99.29	85-115
	9 pcb1260-1	8.00	7.51	93.83	85-115
	10 pcb1260-2	8.00	7.26	90.78	85-115
	11 pcb1260-3	8.00	8.46	105.80	85-115
	12 pcb1260-4	8.00	8.52	106.57	85-115
\$	38 DCB	1.60	1.61	100.89	85-115

SURROGATE COMPOUND		CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$	2 TCMX	0.600	1.63	101.77	60-120
\$	38 DCB	0.600	1.61	100.89	60-120

Data File: /chem/gcp.i/26May2009.b/P052603b.d

Date : 26-MAY-2009 16:43

Client ID: LCS

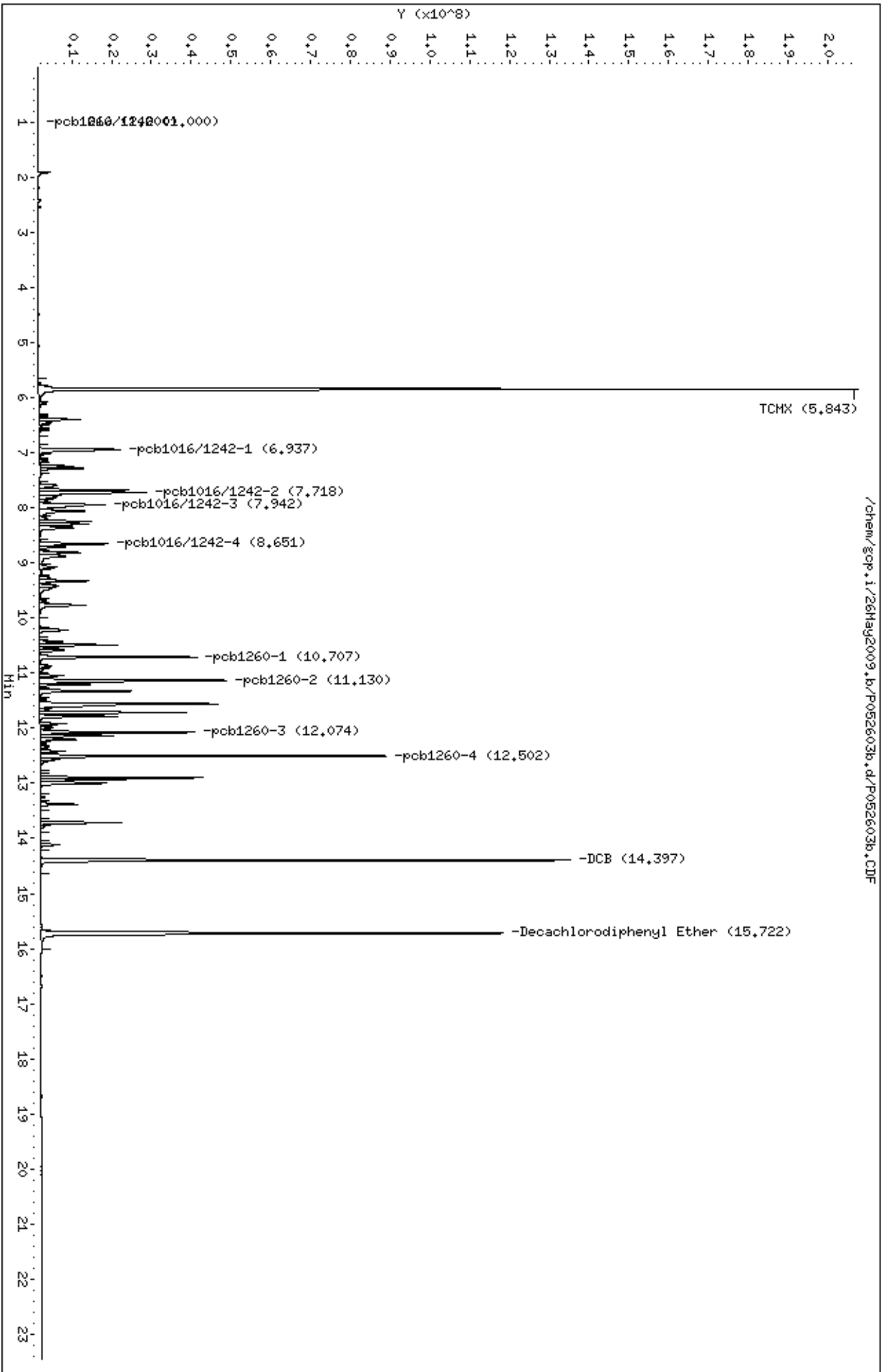
Sample Info: 1685-153-8.0 PCB LCS

Column phase:

Instrument: gcp.i

Operator: LA

Column diameter: 2.00



Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/22May2009.b/P052203b.d

Lab Smp Id: 1685-137-1.0

Inj Date : 22-MAY-2009 19:06

Operator : rn

Inst ID: gcp.i

Smp Info : 1685-137-1.0

Misc Info : None

Comment : Rtx-CLPesticide

Method : /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Meth Date : 01-Jun-2009 11:35 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 19:06

Cal File: P052203b.d

Als bottle: 1

Calibration Sample, Level: 1

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: CCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
						ON-COL (ug/mL)
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
=====		==	=====	=====	=====	=====
\$ 2 TCMX		5.845	5.846	(0.372)	839893391	0.20000
M 3 pcb1016/1242					614054225	1.12
4 pcb1016/1242-1		6.940	6.940	(0.441)	157853813	1.12
5 pcb1016/1242-2		7.735	7.721	(0.492)	194186812	1.07(M)
6 pcb1016/1242-3		7.960	7.945	(0.506)	152570380	1.17
7 pcb1016/1242-4		8.654	8.655	(0.550)	109443220	1.14
M 8 pcb1260					1141191489	1.12
9 pcb1260-1		10.709	10.710	(0.681)	233670240	1.18
10 pcb1260-2		11.134	11.133	(0.708)	341927793	1.14
11 pcb1260-3		12.075	12.077	(0.768)	188146662	1.14
12 pcb1260-4		12.505	12.505	(0.795)	377446794	1.07
\$ 38 DCB		14.396	14.400	(0.916)	687013308	0.219
* 39 Decachlorodiphenyl Ether		15.721	15.725	(1.000)	5772702923	2.00000

QC Flag Legend

M - Compound response manually integrated.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052203b.d

Calibration Time: 20:26

Lab Smp Id: 1685-137-1.0

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	6209085211	3104542606	12418170423	5772702923	-7.03

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.73	15.23	16.23	15.72	-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: /chem/gcp.i/22May2009.b/P052203b.d

Date : 22-May-2009 19:06

Client ID:

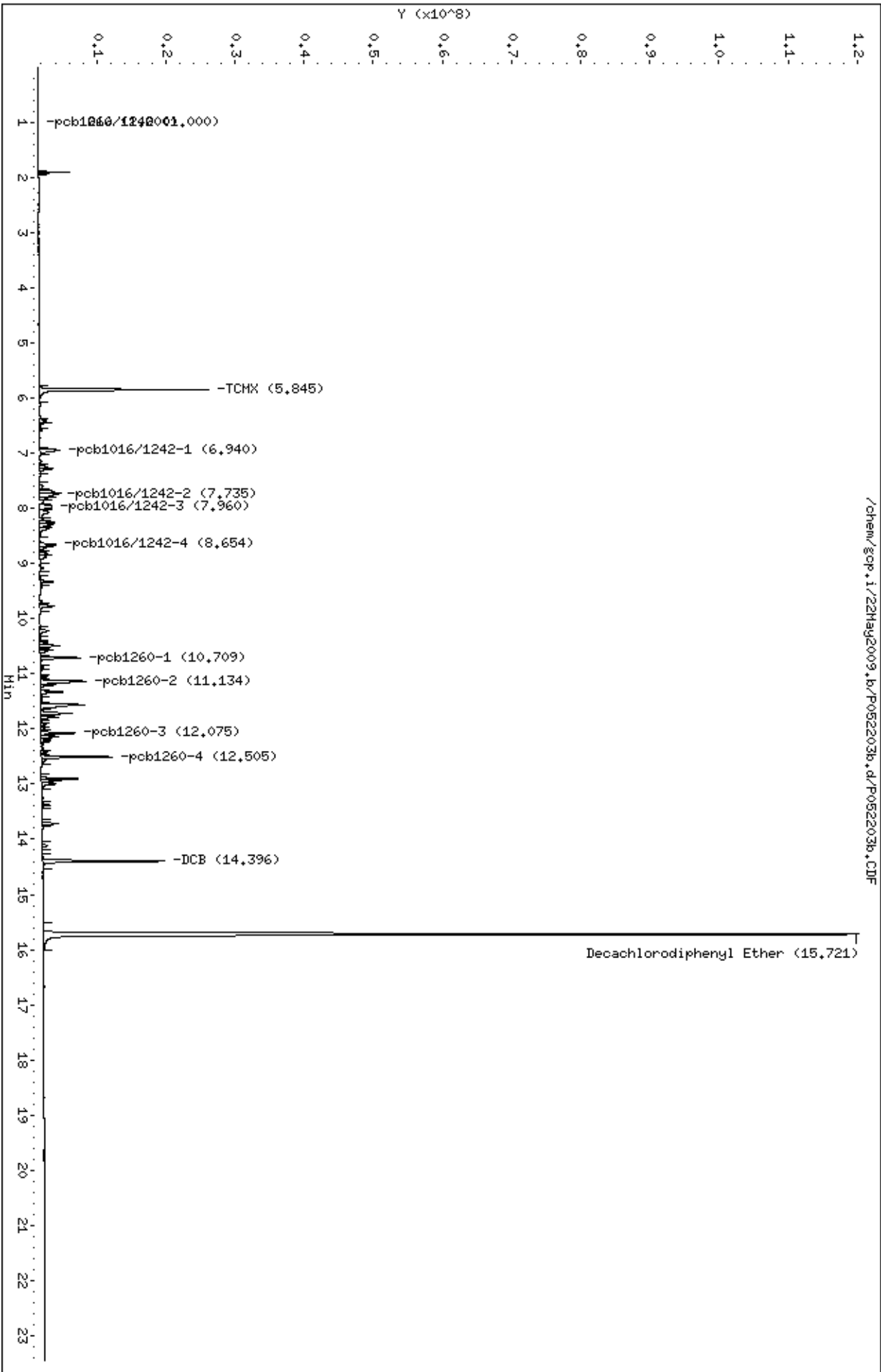
Sample Info: 1685-137-1.0

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/22May2009.b/P052204b.d

Lab Smp Id: 1685-137-3.0

Inj Date : 22-MAY-2009 19:32

Operator : rn

Inst ID: gcp.i

Smp Info : 1685-137-3.0

Misc Info : None

Comment : Rtx-CLPesticide

Method : /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Meth Date : 01-Jun-2009 11:33 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 19:32

Cal File: P052204b.d

Als bottle: 1

Calibration Sample, Level: 2

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: CCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		CAL-AMT	ON-COL			
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.845	5.846	(0.372)	2454083005	0.60000	0.586
M 3 pcb1016/1242				1679773748	3.00000	2.94
4 pcb1016/1242-1	6.940	6.940	(0.441)	452313384	3.00000	3.07
5 pcb1016/1242-2	7.726	7.721	(0.491)	540836660	3.00000	2.87
6 pcb1016/1242-3	7.949	7.945	(0.506)	401739977	3.00000	2.94
7 pcb1016/1242-4	8.654	8.655	(0.550)	284883727	3.00000	2.86
M 8 pcb1260				3084643993	3.00000	2.92
9 pcb1260-1	10.710	10.710	(0.681)	618131818	3.00000	3.00
10 pcb1260-2	11.134	11.133	(0.708)	920962423	3.00000	2.94
11 pcb1260-3	12.076	12.077	(0.768)	504336504	3.00000	2.93
12 pcb1260-4	12.505	12.505	(0.795)	1041213248	3.00000	2.84
\$ 38 DCB	14.399	14.400	(0.916)	1883452023	0.60000	0.577
* 39 Decachlorodiphenyl Ether	15.724	15.725	(1.000)	6019039360	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052204b.d

Calibration Time: 19:32

Lab Smp Id: 1685-137-3.0

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	6019039360	3009519680	12038078720	6019039360	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.72	15.22	16.22	15.72	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: /chem/gcp.i/22May2009.b/P052204b.d

Date : 22-May-2009 19:32

Client ID:

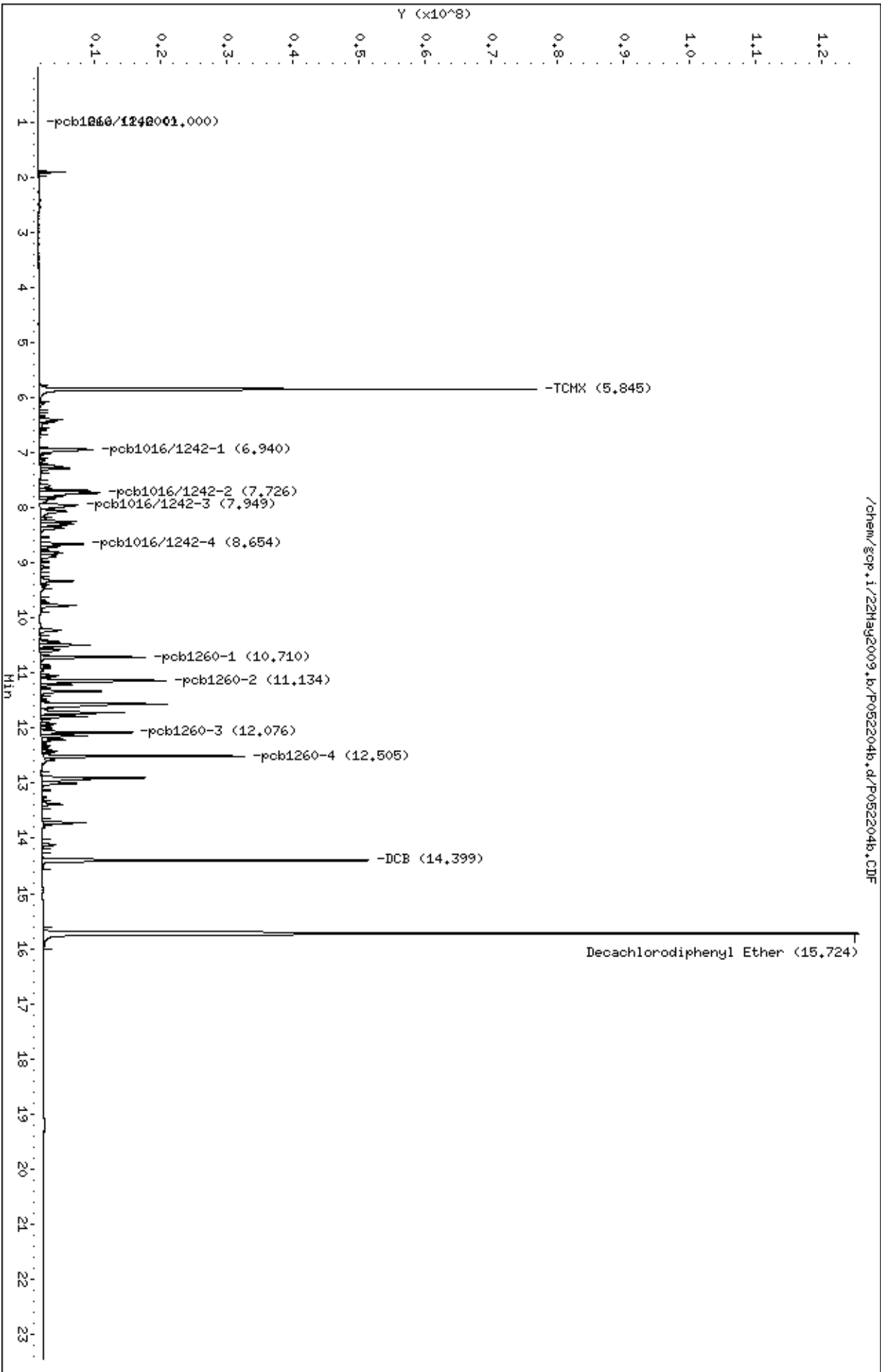
Sample Info: 1685-137-3.0

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/22May2009.b/P052214b.d

Lab Smp Id: 1685-121-5.0

Client Smp ID: PCB 1254

Inj Date : 22-MAY-2009 23:59

Operator : rn

Inst ID: gcp.i

Smp Info : 1685-121-5.0 PCB 1254

Misc Info : None

Comment : Rtx-CLPesticide

Method : /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Meth Date : 01-Jun-2009 11:35 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 23:59

Cal File: P052214b.d

Als bottle: 1

Calibration Sample, Level: 3

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: 1254NS.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
						ON-COL (ug/mL)
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
=====		==	=====	=====	=====	=====
M 33	pcb1254				4452229211	5.00000
34	pcb1254-1	9.331	9.345	(0.593)	776232959	5.00000
35	pcb1254-2	9.770	9.801	(0.621)	1165229563	5.00000
36	pcb1254-3	10.432	10.432	(0.663)	1227145810	5.00000
37	pcb1254-4	11.564	11.593	(0.735)	1283620879	5.00000
* 39	Decachlorodiphenyl Ether	15.728	15.725	(1.000)	6297319512	2.00000

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052214b.d

Calibration Time: 20:26

Lab Smp Id: 1685-121-5.0

Client Smp ID: PCB 1254

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	6209085211	3104542606	12418170423	6297319512	1.42
-----	-----	-----	-----	-----	-----

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	15.73	15.23	16.23	15.73	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: /chem/gcp.i/22May2009.b/P052214b.d

Date : 22-MAY-2009 23:59

Client ID: PCB 1254

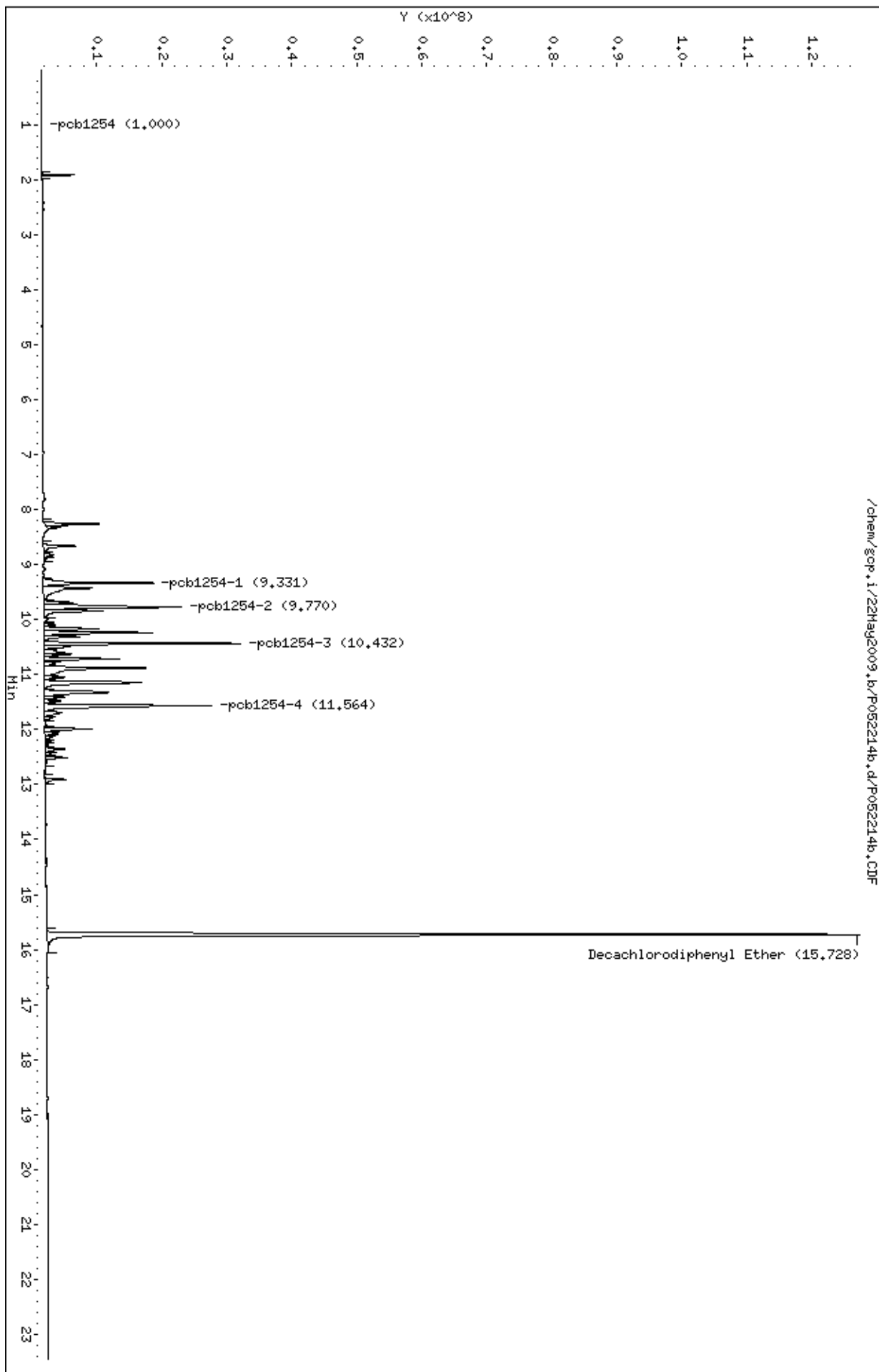
Sample Info: 1685-121-5.0 PCB 1254

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/22May2009.b/P052213b.d
Lab Smp Id: 1685-121-5.0 Client Smp ID: PCB 1248
Inj Date : 22-MAY-2009 23:33
Operator : rn Inst ID: gcp.i
Smp Info : 1685-121-5.0 PCB 1248
Misc Info : None
Comment : Rtx-CLPesticide
Method : /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m
Meth Date : 01-Jun-2009 11:33 lzhang Quant Type: ISTD
Cal Date : 22-MAY-2009 23:59 Cal File: P052214b.CDF
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 1248NS.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable Local Compound Variable

		AMOUNTS				
		CAL-AMT	ON-COL			
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
=====	==	=====	=====	=====	=====	=====
M 28 pcb1248				1715292178	5.00000	5.00
29 pcb1248-1	8.365	8.485	(0.532)	423689854	5.00000	5.00
30 pcb1248-2	9.271	9.295	(0.590)	327911370	5.00000	5.00
31 pcb1248-3	9.417	9.417	(0.599)	700493056	5.00000	5.00
32 pcb1248-4	10.237	10.255	(0.651)	263197898	5.00000	5.00
* 39 Decachlorodiphenyl Ether	15.727	15.725	(1.000)	6522634623	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052213b.d

Calibration Time: 20:26

Lab Smp Id: 1685-121-5.0

Client Smp ID: PCB 1248

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	6209085211	3104542606	12418170423	6522634623	5.05

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.73	15.23	16.23	15.73	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: /chem/gcp.i/22May2009.b/P052213b.d

Date : 22-MAY-2009 23:33

Client ID: PCB 1248

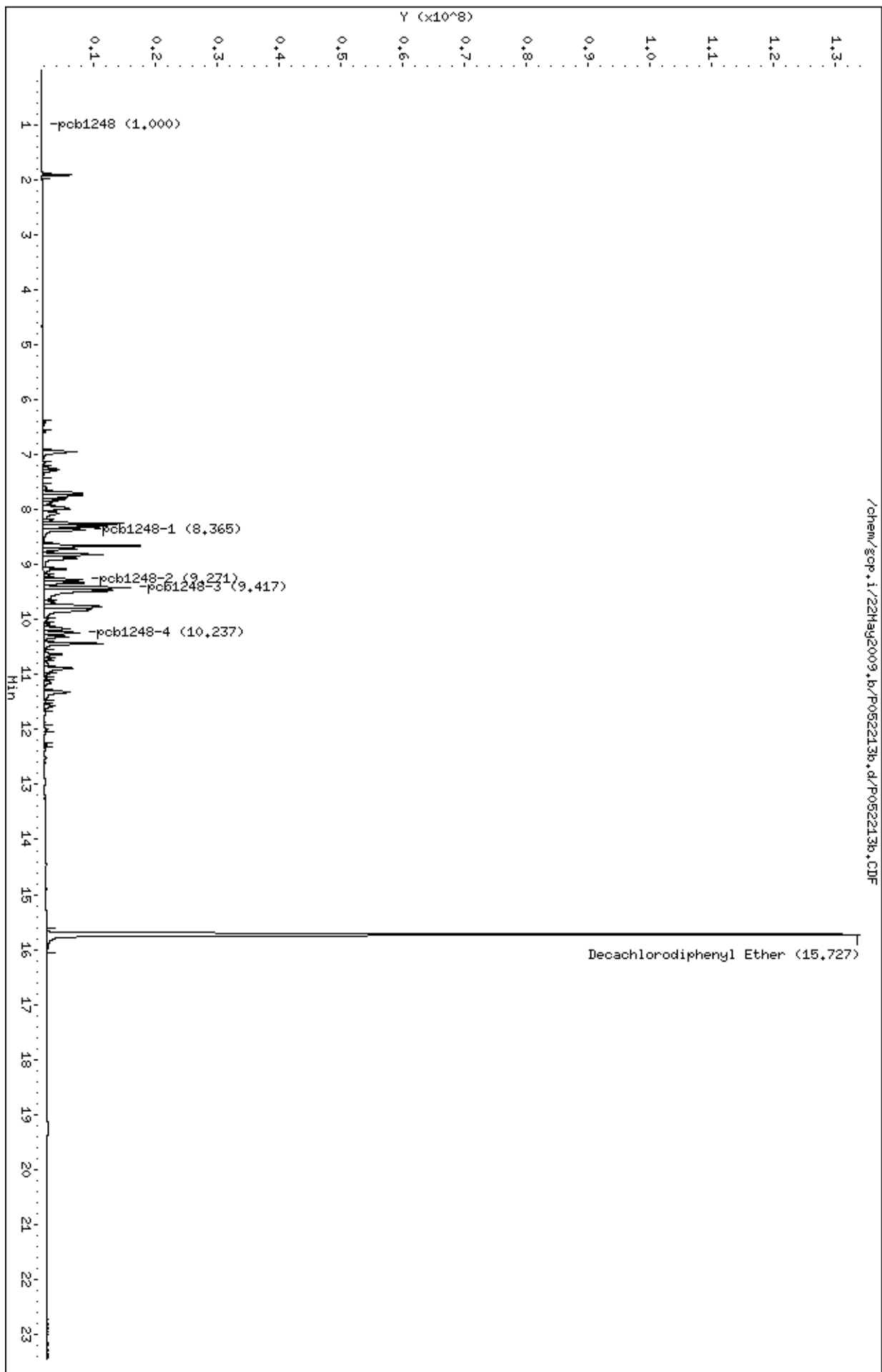
Sample Info: 1685-121-5.0 PCB 1248

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/22May2009.b/P052212b.d
Lab Smp Id: 1685-121-5.0 Client Smp ID: PCB 1232
Inj Date : 22-MAY-2009 23:06
Operator : rn Inst ID: gcp.i
Smp Info : 1685-121-5.0 PCB 1232
Misc Info : None
Comment : Rtx-CLPesticide
Method : /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m
Meth Date : 01-Jun-2009 11:33 lzhang Quant Type: ISTD
Cal Date : 22-MAY-2009 23:59 Cal File: P052214b.CDF
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: 1232NS.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable Local Compound Variable

		AMOUNTS				
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
						ON-COL (ug/mL)
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
=====		==	=====	=====	=====	=====
M 18	pcb1232				637480447	5.00000
19	pcb1232-1	7.288	7.394	(0.463)	145074950	5.00000
20	pcb1232-2	8.069	8.069	(0.513)	205917937	5.00000
21	pcb1232-3	8.254	8.254	(0.525)	139150535	5.00000
22	pcb1232-4	8.302	8.302	(0.528)	147337025	5.00000
* 39	Decachlorodiphenyl Ether	15.726	15.725	(1.000)	6594321184	2.00000

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052212b.d

Calibration Time: 20:26

Lab Smp Id: 1685-121-5.0

Client Smp ID: PCB 1232

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	6209085211	3104542606	12418170423	6594321184	6.20

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.73	15.23	16.23	15.73	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: /chem/gcp.i/22May2009.b/P052212b.d

Date : 22-MAY-2009 23:06

Client ID: PCB 1232

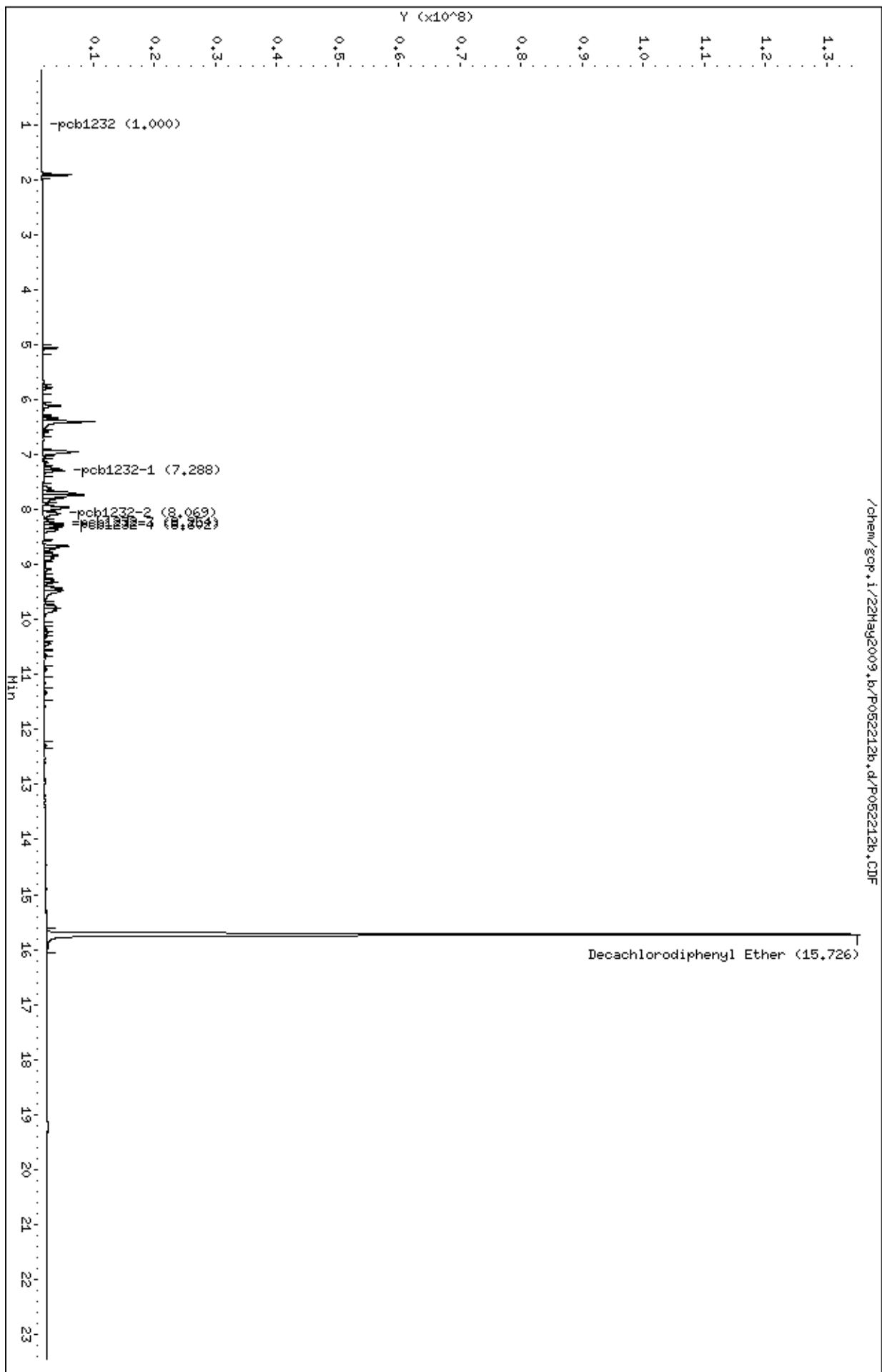
Sample Info: 1685-121-5.0 PCB 1232

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/22May2009.b/P052211b.d

Lab Smp Id: 1685-121-5.0

Client Smp ID: PCB 1221

Inj Date : 22-MAY-2009 22:39

Operator : rn

Inst ID: gcp.i

Smp Info : 1685-121-5.0 PCB 1221

Misc Info : None

Comment : Rtx-CLPesticide

Method : /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Meth Date : 01-Jun-2009 11:33 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 23:59

Cal File: P052214b.CDF

Als bottle: 1

Calibration Sample, Level: 3

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: 1221NS.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
						ON-COL (ug/mL)
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
=====		==	=====	=====	=====	=====
M 13	pcb1221				947323288	5.00000
14	pcb1221-1	5.054	5.127	(0.321)	140824400	5.00000
15	pcb1221-2	6.105	6.191	(0.388)	210754016	5.00000
16	pcb1221-3	6.332	6.348	(0.403)	110226929	5.00000
17	pcb1221-4	6.398	6.488	(0.407)	485517943	5.00000
* 39	Decachlorodiphenyl Ether	15.727	15.725	(1.000)	6380074891	2.00000

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052211b.d

Calibration Time: 20:26

Lab Smp Id: 1685-121-5.0

Client Smp ID: PCB 1221

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	6209085211	3104542606	12418170423	6380074891	2.75

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.73	15.23	16.23	15.73	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: /chem/gcp.i/22May2009.b/P052211b.d

Date : 22-MAY-2009 22:39

Client ID: PCB 1221

Sample Info: 1685-121-5.0 PCB 1221

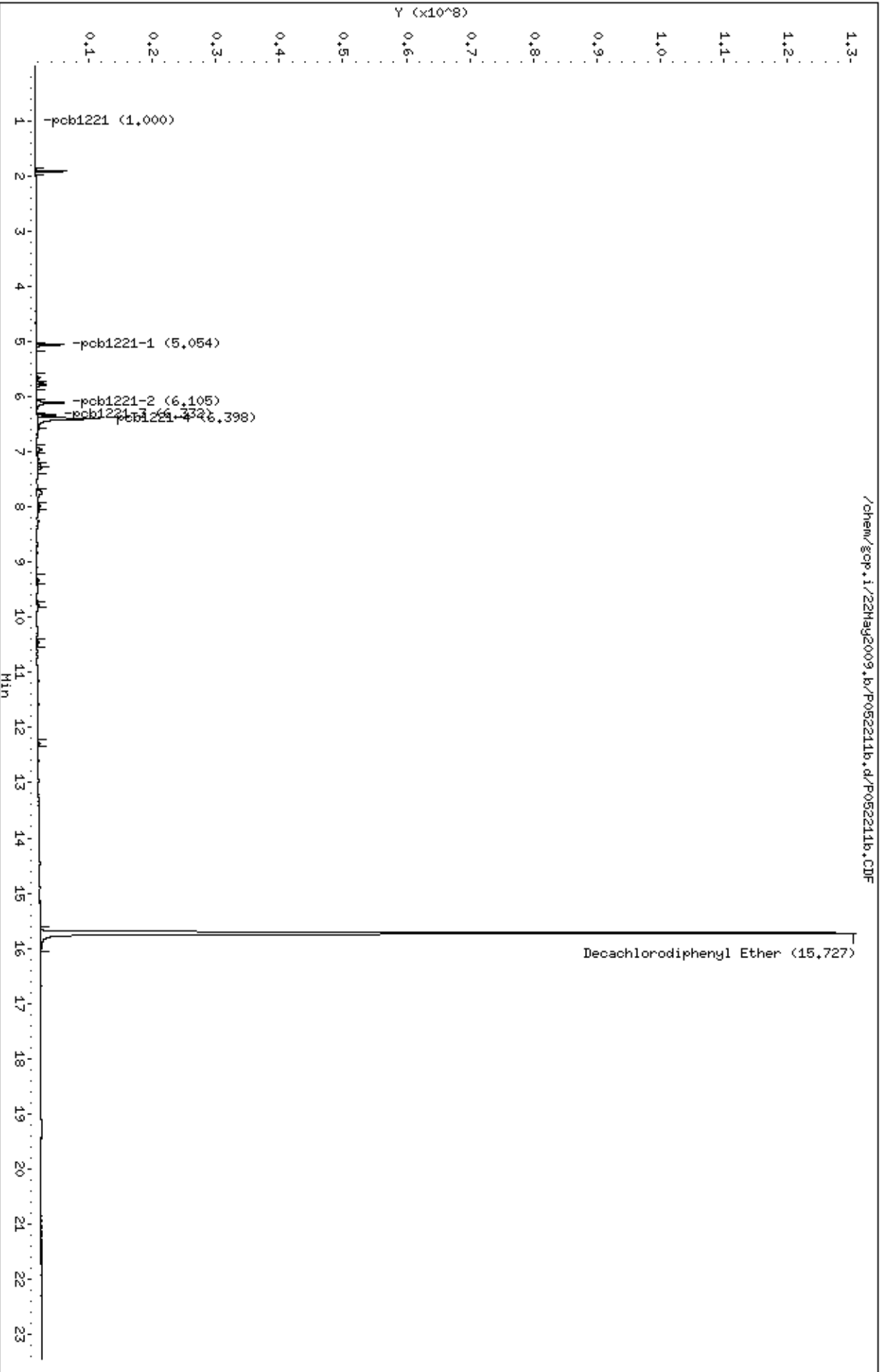
Page 1

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052205b.d

Calibration Time: 23:59

Lab Smp Id: 1685-137-5.0

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	6087587940	3043793970	12175175881	6087587940	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.72	15.22	16.22	15.72	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: /chem/gcp.i/22May2009.b/P052205b.d

Date : 22-May-2009 19:59

Client ID:

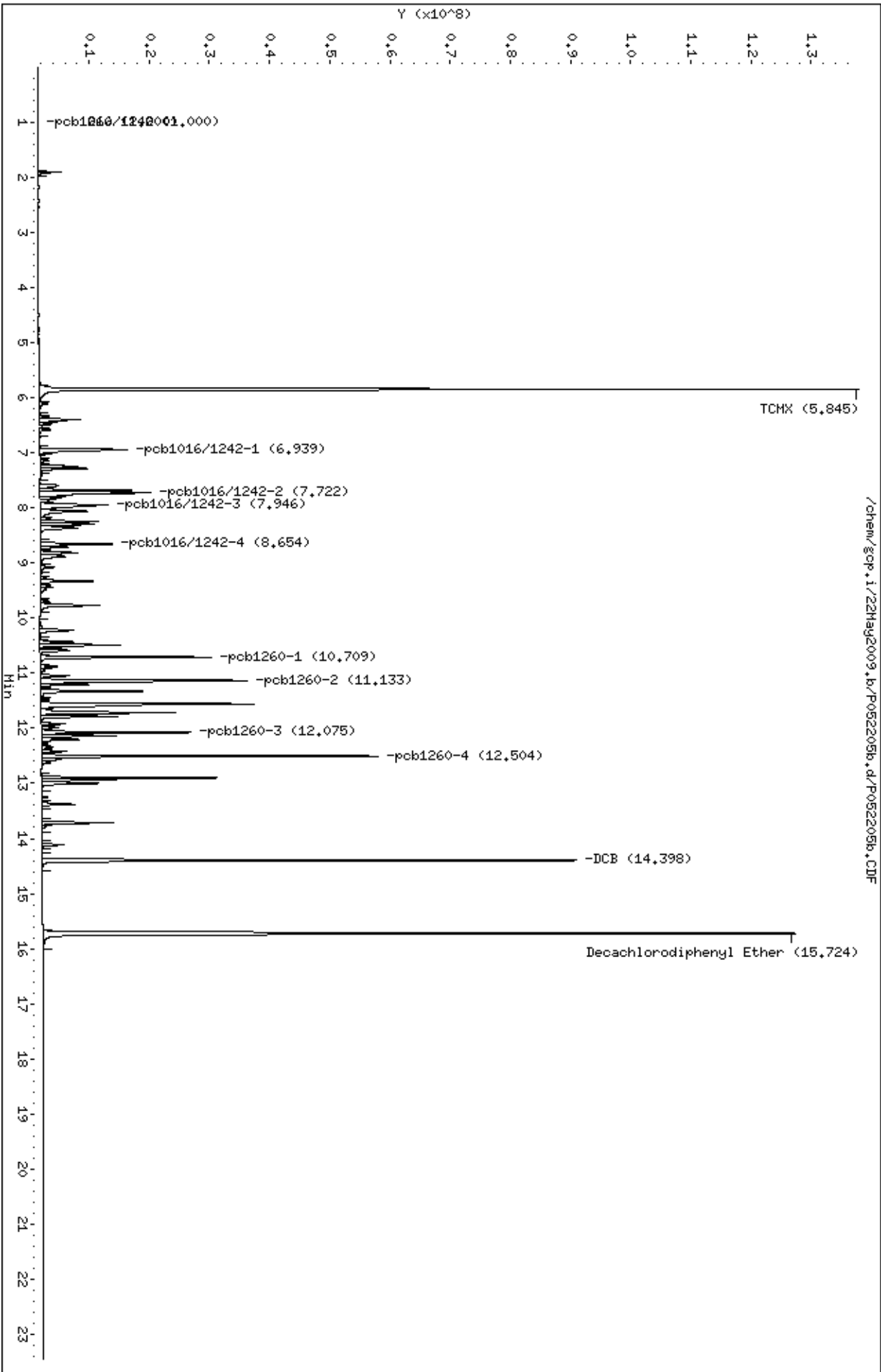
Sample Info: 1685-137-5.0

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/22May2009.b/P052206b.d
Lab Smp Id: 1685-137-8.0
Inj Date : 22-MAY-2009 20:26
Operator : rn
Smp Info : 1685-137-8.0
Misc Info : None
Comment : Rtx-CLPesticide
Method : /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m
Meth Date : 01-Jun-2009 11:33 lzhang
Cal Date : 22-MAY-2009 20:26
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie
Target Version: 3.50
Processing Host: eeyore

Inst ID: gcp.i

Quant Type: ISTD

Cal File: P052206b.d

Calibration Sample, Level: 4

Compound Sublist: CCV.sub

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd VariableLocal Compound Variable

		AMOUNTS				
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
						ON-COL (ug/mL)
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
=====		==	=====	=====	=====	=====
\$ 2 TCMX		5.846	5.846	(0.372)	6786897116	1.60000
M 3 pcb1016/1242					4598335068	8.00000
4 pcb1016/1242-1		6.940	6.940	(0.441)	1180015836	8.00000
5 pcb1016/1242-2		7.721	7.721	(0.491)	1532795221	8.00000
6 pcb1016/1242-3		7.945	7.945	(0.505)	1085853239	8.00000
7 pcb1016/1242-4		8.655	8.655	(0.550)	799670772	8.00000
M 8 pcb1260					8415902970	8.00000
9 pcb1260-1		10.710	10.710	(0.681)	1618933012	8.00000
10 pcb1260-2		11.133	11.133	(0.708)	2475314443	8.00000
11 pcb1260-3		12.077	12.077	(0.768)	1360692137	8.00000
12 pcb1260-4		12.505	12.505	(0.795)	2960963378	8.00000
\$ 38 DCB		14.400	14.400	(0.916)	5227002032	1.60000
* 39 Decachlorodiphenyl Ether		15.725	15.725	(1.000)	6209085211	2.00000

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052206b.d

Calibration Time: 20:26

Lab Smp Id: 1685-137-8.0

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	6209085211	3104542606	12418170423	6209085211	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.73	15.23	16.23	15.73	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: /chem/gcp.i/22May2009.b/P052206b.d

Date : 22-May-2009 20:26

Client ID:

Sample Info: 1685-137-8.0

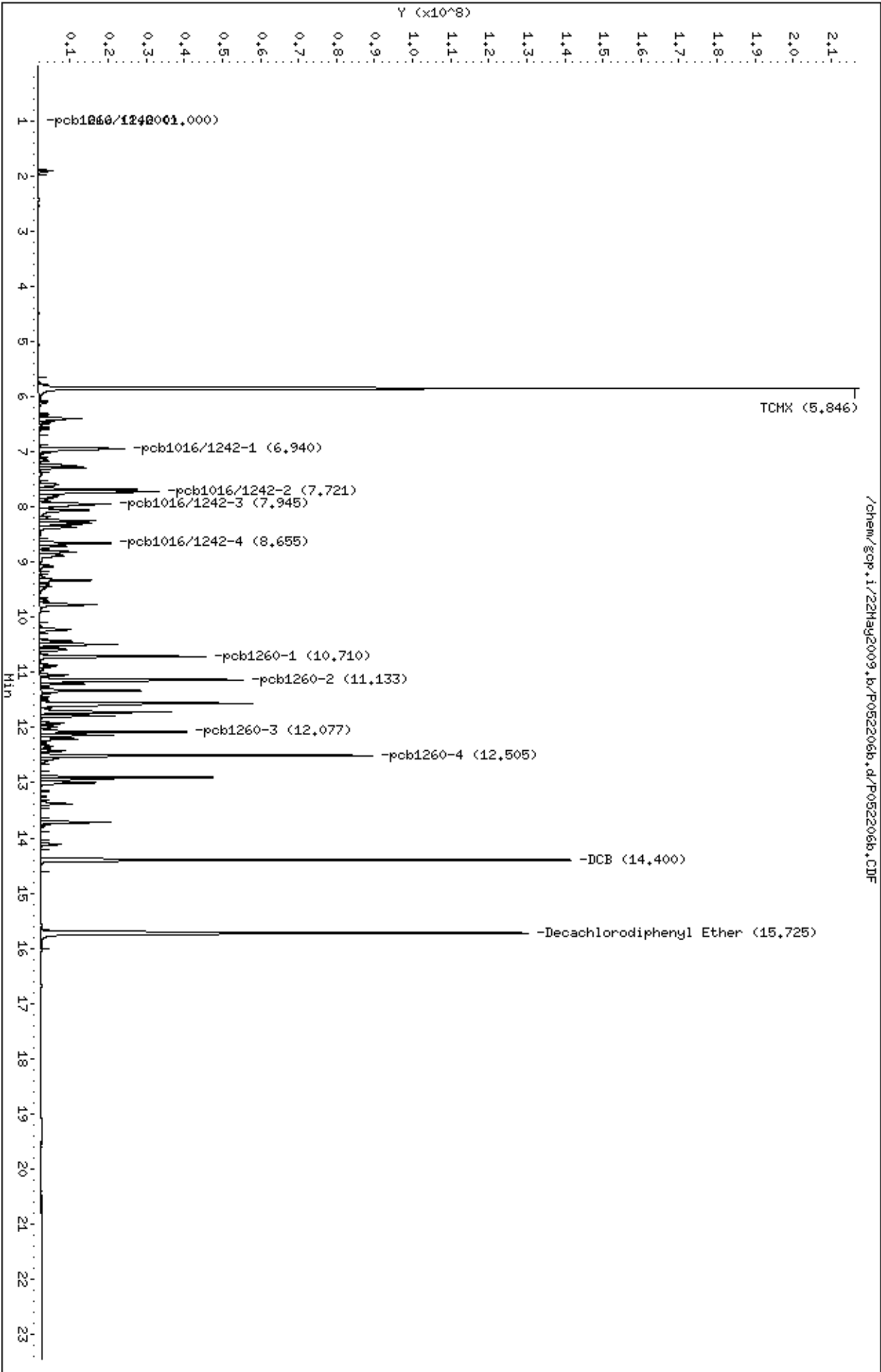
Page 1

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052207b.d

Calibration Time: 20:26

Lab Smp Id:

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	6209085211	3104542606	12418170423	6256297503	0.76

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.73	15.23	16.23	15.73	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: /chem/gcp.i/22May2009.b/P052207b.d

Date : 22-May-2009 20:53

Client ID:

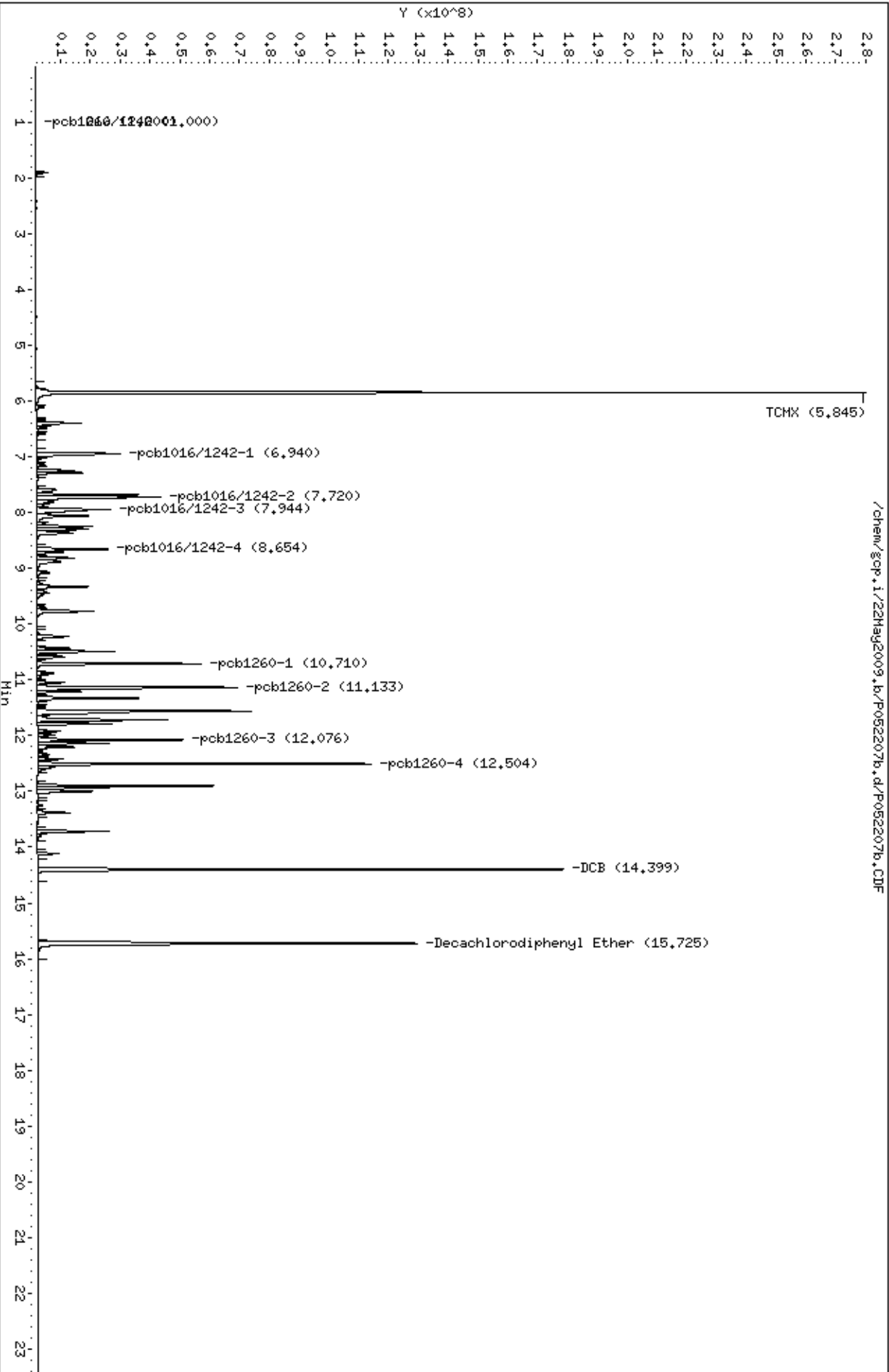
Sample Info: 1685-137-10

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/22May2009.b/P052208b.d

Lab Smp Id: 1685-137-12

Inj Date : 22-MAY-2009 21:19

Operator : rn

Inst ID: gcp.i

Smp Info : 1685-137-12

Misc Info : None

Comment : Rtx-CLPesticide

Method : /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Meth Date : 01-Jun-2009 11:33 lzhang

Quant Type: ISTD

Cal Date : 22-MAY-2009 21:19

Cal File: P052208b.d

Als bottle: 1

Calibration Sample, Level: 6

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: CCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
						ON-COL (ug/mL)
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
=====		==	=====	=====	=====	=====
\$ 2 TCMX		5.845	5.846	(0.372)	10179829291	2.40000
M 3 pcb1016/1242					6807108544	12.0000
4 pcb1016/1242-1		6.939	6.940	(0.441)	1729630176	12.0000
5 pcb1016/1242-2		7.719	7.721	(0.491)	2285114861	12.0000
6 pcb1016/1242-3		7.943	7.945	(0.505)	1600673108	12.0000
7 pcb1016/1242-4		8.653	8.655	(0.550)	1191690399	12.0000
M 8 pcb1260					12610841780	12.0000
9 pcb1260-1		10.709	10.710	(0.681)	2389888028	12.0000
10 pcb1260-2		11.132	11.133	(0.708)	3705820834	12.0000
11 pcb1260-3		12.076	12.077	(0.768)	2042093212	12.0000
12 pcb1260-4		12.504	12.505	(0.795)	4473039706	12.0000
\$ 38 DCB		14.398	14.400	(0.916)	7905168214	2.40000
* 39 Decachlorodiphenyl Ether		15.724	15.725	(1.000)	6059616165	2.00000

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052208b.d

Calibration Time: 20:26

Lab Smp Id: 1685-137-12

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	6209085211	3104542606	12418170423	6059616165	-2.41

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.73	15.23	16.23	15.72	-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: /chem/gcp.i/22May2009.b/P052208b.d

Date : 22-May-2009 21:19

Client ID:

Sample Info: 1685-137-12

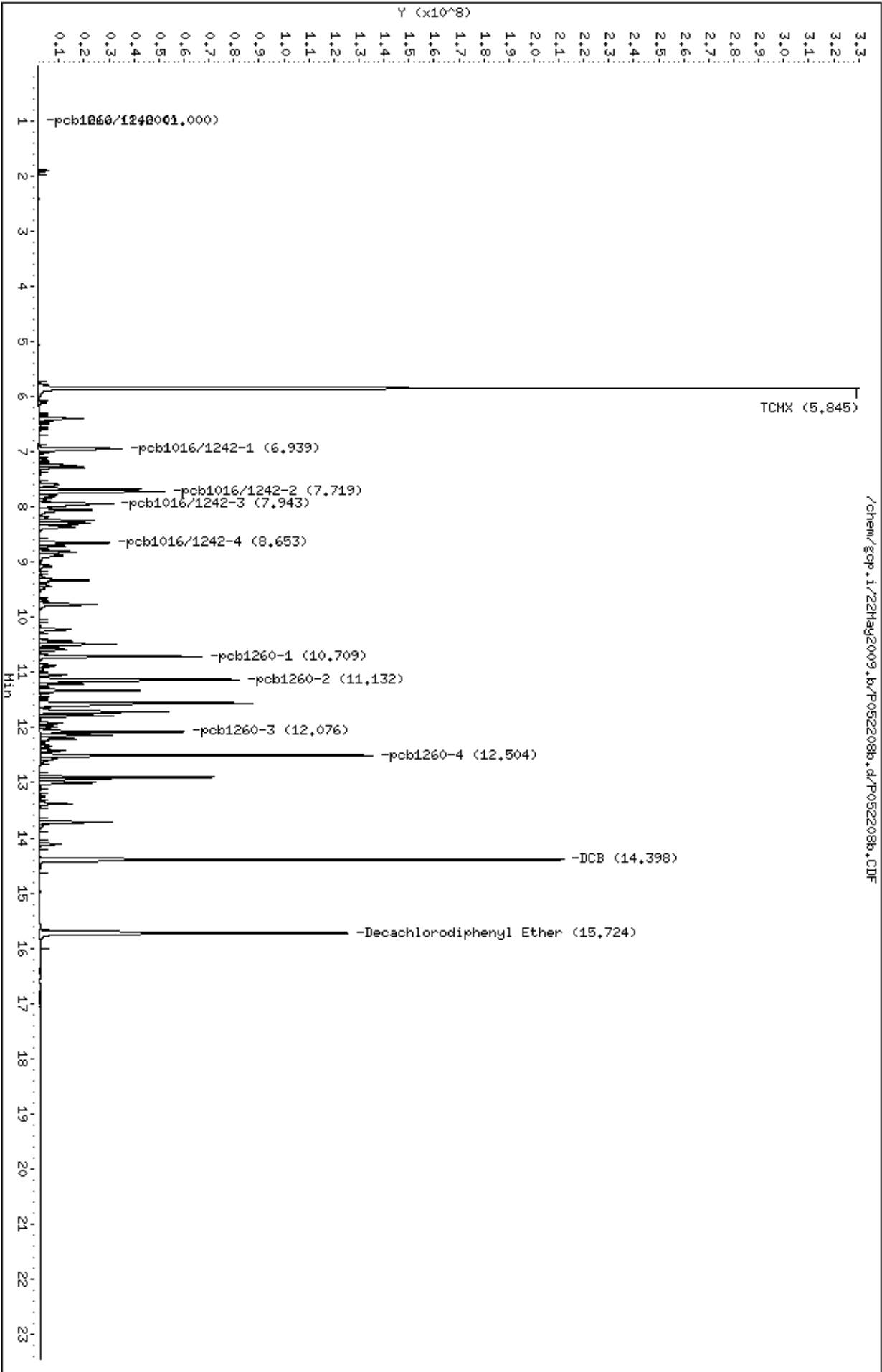
Page 1

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/22May2009.b/P052209b.d

Lab Smp Id: 1685-137-15

Inj Date : 22-MAY-2009 21:46

Operator : rn

Smp Info : 1685-137-15

Misc Info : None

Comment : Rtx-CLPesticide

Method : /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Meth Date : 01-Jun-2009 11:33 lzhang

Cal Date : 22-MAY-2009 21:46

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie

Target Version: 3.50

Processing Host: eeyore

Inst ID: gcp.i

Quant Type: ISTD

Cal File: P052209b.d

Calibration Sample, Level: 7

Compound Sublist: CCV.sub

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
						ON-COL (ug/mL)
Compounds		RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/mL)
=====		==	=====	=====	=====	=====
\$ 2 TCMX		5.846	5.846	(0.372)	12544560952	3.00000
M 3 pcb1016/1242					8366705939	15.0000
4 pcb1016/1242-1		6.939	6.940	(0.441)	2107028249	15.0000
5 pcb1016/1242-2		7.719	7.721	(0.491)	2819881874	15.0000
6 pcb1016/1242-3		7.943	7.945	(0.505)	1972015274	15.0000
7 pcb1016/1242-4		8.654	8.655	(0.550)	1467780542	15.0000
M 8 pcb1260					15543310297	15.0000
9 pcb1260-1		10.709	10.710	(0.681)	2931495637	15.0000
10 pcb1260-2		11.132	11.133	(0.708)	4550319841	15.0000
11 pcb1260-3		12.076	12.077	(0.768)	2529998787	15.0000
12 pcb1260-4		12.505	12.505	(0.795)	5531496031	15.0000
\$ 38 DCB		14.400	14.400	(0.916)	9724551070	3.00000
* 39 Decachlorodiphenyl Ether		15.726	15.725	(1.000)	6195939552	2.00000

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 22-MAY-2009

Lab File ID: P052209b.d

Calibration Time: 20:26

Lab Smp Id: 1685-137-15

Level: LOW

Analysis Type: VOA

Sample Type: AIR

Quant Type: ISTD

Operator: rn

Method File: /chem/gcp.i/22May2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	6209085211	3104542606	12418170423	6195939552	-0.21

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.73	15.23	16.23	15.73	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: /chem/gcp.i/22May2009.b/P052209b.d

Date : 22-May-2009 21:46

Client ID:

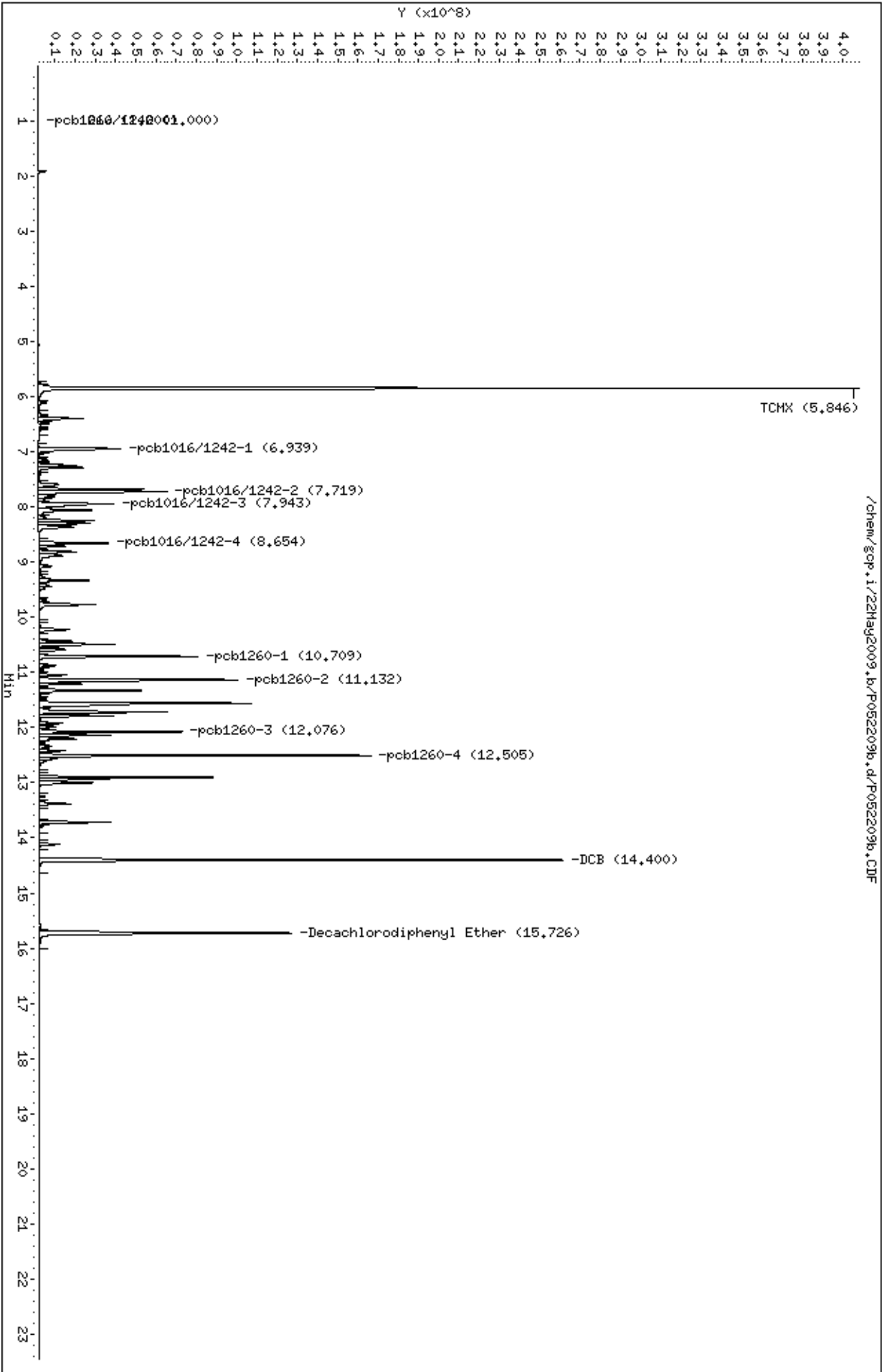
Sample Info: 1685-137-15

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcp.i

Injection Date: 16-JUL-2009 22:13

Lab File ID: P071609.d

Init. Cal. Date(s): 22-MAY-2009 22-MAY-2009

Analysis Type: AIR

Init. Cal. Times: 19:06 23:59

Lab Sample ID: 1685-137-3 pcb Quant Type: ISTD

Method: /chem/gcp.i/16Jul2009.b/p09p0522.m

				MIN		MAX	
COMPOUND		RRF / AMOUNT	RF3	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
=====		=====	=====	=====	=====	=====	=====
\$	2 TCMX	1.55926	1.57245	0.010	-0.84589	15.00000	Averaged
M	3 pcb1016/1242	0.22650	0.21654	0.010	4.39868	15.00000	Averaged
	4 pcb1016/1242-1	0.03648	0.03608	0.010	1.09504	15.00000	Averaged
	5 pcb1016/1242-2	0.09165	0.08543	0.010	6.78588	15.00000	Averaged
	6 pcb1016/1242-3	0.05699	0.05711	0.010	-0.19813	15.00000	Averaged
	7 pcb1016/1242-4	0.04139	0.03793	0.010	8.35462	15.00000	Averaged
M	8 pcb1260	0.36669	0.32827	0.010	10.47557	15.00000	Averaged
	9 pcb1260-1	0.07592	0.06888	0.010	9.28447	15.00000	Averaged
	10 pcb1260-2	0.09265	0.08419	0.010	9.12949	15.00000	Averaged
	11 pcb1260-3	0.06766	0.05938	0.010	12.24678	15.00000	Averaged
	12 pcb1260-4	0.13045	0.11583	0.010	11.20616	15.00000	Averaged
\$	38 DCB	1.04743	0.91315	0.010	12.81977	15.00000	Averaged

Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/16Jul2009.b/P071609.d

Lab Smp Id: 1685-137-3 pcbClient Smp ID: CCV

Inj Date : 16-JUL-2009 22:13

Operator : lzInst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/16Jul2009.b/p09p0522.m

Meth Date : 16-Jul-2009 15:45 lzhangQuant Type: ISTD

Cal Date : 22-MAY-2009 19:06Cal File: P052203.d

Als bottle: 1Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: HP GenieCompound Sublist: CCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		CAL-AMT	ON-COL			
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.026	6.026	(0.353)	9174528076	0.60000	0.605
M 3 pcb1016/1242				6317100144	3.00000	2.87
4 pcb1016/1242-1	7.438	7.438	(0.435)	1052556858	3.00000	2.97
5 pcb1016/1242-2	8.240	8.240	(0.482)	2492139905	3.00000	2.80
6 pcb1016/1242-3	8.476	8.476	(0.496)	1665922609	3.00000	3.00
7 pcb1016/1242-4	9.305	9.305	(0.544)	1106480772	3.00000	2.75
M 8 pcb1260				9576642559	3.00000	2.68
9 pcb1260-1	11.365	11.365	(0.665)	2009287686	3.00000	2.72
10 pcb1260-2	11.673	11.673	(0.683)	2456128994	3.00000	2.73
11 pcb1260-3	12.743	12.743	(0.746)	1732185782	3.00000	2.63
12 pcb1260-4	13.080	13.080	(0.765)	3379040097	3.00000	2.66
\$ 38 DCB	15.417	15.417	(0.902)	5327808956	0.60000	0.523
* 39 Decachlorodiphenyl Ether	17.092	17.092	(1.000)	19448493630	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071609.d

Calibration Time: 22:13

Lab Smp Id: 1685-137-3 pcb

Client Smp ID: CCV

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	19448493630	9724246815	38896987259	19448493630	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	17.09	16.59	17.59	17.09	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: /chem/gcp.i/16Jul2009.b/P071609.d

Date : 16-JUL-2009 22:13

Client ID: CCV

Sample Info:

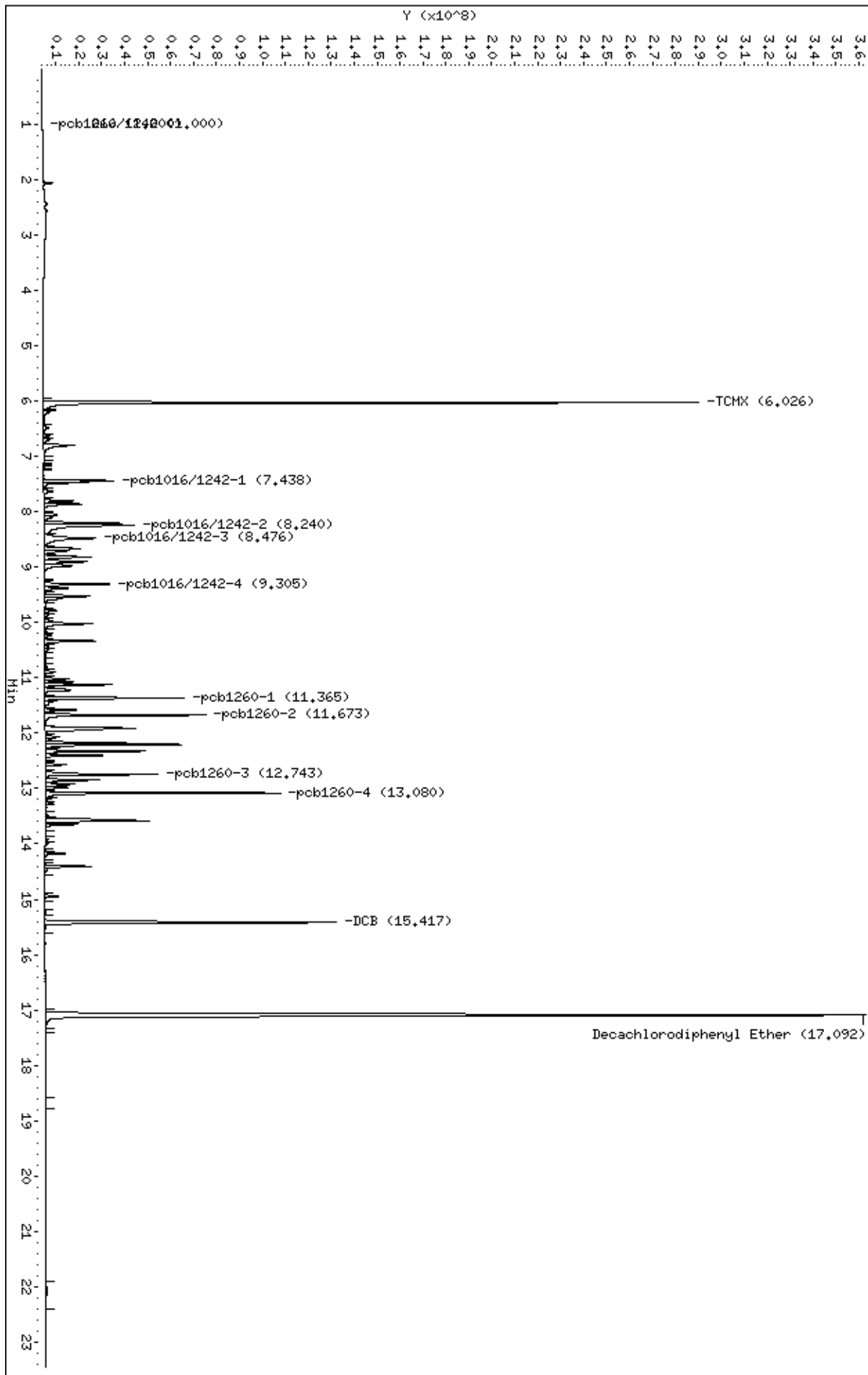
Instrument: gcp.i

Operator: lz

Column diameter: 2.00

Column phase:

/chem/gcp.i/16Jul2009.b/P071609.d/P071609.CDF



Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcp.i

Injection Date: 16-JUL-2009 22:13

Lab File ID: P071609b.d

Init. Cal. Date(s): 22-MAY-2009 22-MAY-2009

Analysis Type: AIR

Init. Cal. Times: 19:06 23:59

Lab Sample ID: 1685-137-3 pcb Quant Type: ISTD

Method: /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF3	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
=====	=====	=====	=====	=====	=====	=====
\$ 2 TCMX	1.39223	1.29082	0.010	7.28425	15.00000	Averaged
M 3 pcb1016/1242	0.19014	0.17860	0.010	6.07023	15.00000	Averaged
4 pcb1016/1242-1	0.04901	0.04674	0.010	4.62243	15.00000	Averaged
5 pcb1016/1242-2	0.06266	0.05916	0.010	5.58069	15.00000	Averaged
6 pcb1016/1242-3	0.04532	0.04200	0.010	7.33222	15.00000	Averaged
7 pcb1016/1242-4	0.03315	0.03070	0.010	7.41039	15.00000	Averaged
M 8 pcb1260	0.35151	0.31469	0.010	10.47497	15.00000	Averaged
9 pcb1260-1	0.06846	0.06218	0.010	9.17642	15.00000	Averaged
10 pcb1260-2	0.10395	0.09468	0.010	8.91390	15.00000	Averaged
11 pcb1260-3	0.05717	0.05026	0.010	12.08115	15.00000	Averaged
12 pcb1260-4	0.12193	0.10757	0.010	11.78178	15.00000	Averaged
\$ 38 DCB	1.08460	0.92645	0.010	14.58102	15.00000	Averaged

Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/16Jul2009.b/P071609b.d

Lab Smp Id: 1685-137-3 pcbClient Smp ID: CCV

Inj Date : 16-JUL-2009 22:13

Operator : lzInst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Rtx-CLPesticide

Method : /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m

Meth Date : 16-Jul-2009 15:45 lzhangQuant Type: ISTD

Cal Date : 22-MAY-2009 23:59Cal File: P052214b.d

Als bottle: 1Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: HP GenieCompound Sublist: CCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		CAL-AMT	ON-COL			
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.821	5.821	(0.371)	3360826765	0.60000	0.556
M 3 pcb1016/1242				2325040484	3.00000	2.82
4 pcb1016/1242-1	6.913	6.913	(0.440)	608499982	3.00000	2.86
5 pcb1016/1242-2	7.695	7.695	(0.490)	770175909	3.00000	2.83
6 pcb1016/1242-3	7.918	7.918	(0.504)	546747853	3.00000	2.78
7 pcb1016/1242-4	8.626	8.626	(0.549)	399616740	3.00000	2.78
M 8 pcb1260				4096704456	3.00000	2.68
9 pcb1260-1	10.686	10.686	(0.681)	809421119	3.00000	2.72
10 pcb1260-2	11.111	11.111	(0.708)	1232612586	3.00000	2.73
11 pcb1260-3	12.056	12.056	(0.768)	654333122	3.00000	2.64
12 pcb1260-4	12.485	12.485	(0.795)	1400337629	3.00000	2.65
\$ 38 DCB	14.378	14.378	(0.916)	2412141395	0.60000	0.512
* 39 Decachlorodiphenyl Ether	15.698	15.698	(1.000)	8678794631	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071609b.d

Calibration Time: 22:13

Lab Smp Id: 1685-137-3 pcb

Client Smp ID: CCV

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	8678794631	4339397315	17357589261	8678794631	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.70	15.20	16.20	15.70	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: /chem/gcp.i/16Jul2009.b/P071609b.d

Date : 16-JUL-2009 22:13

Client ID: CCV

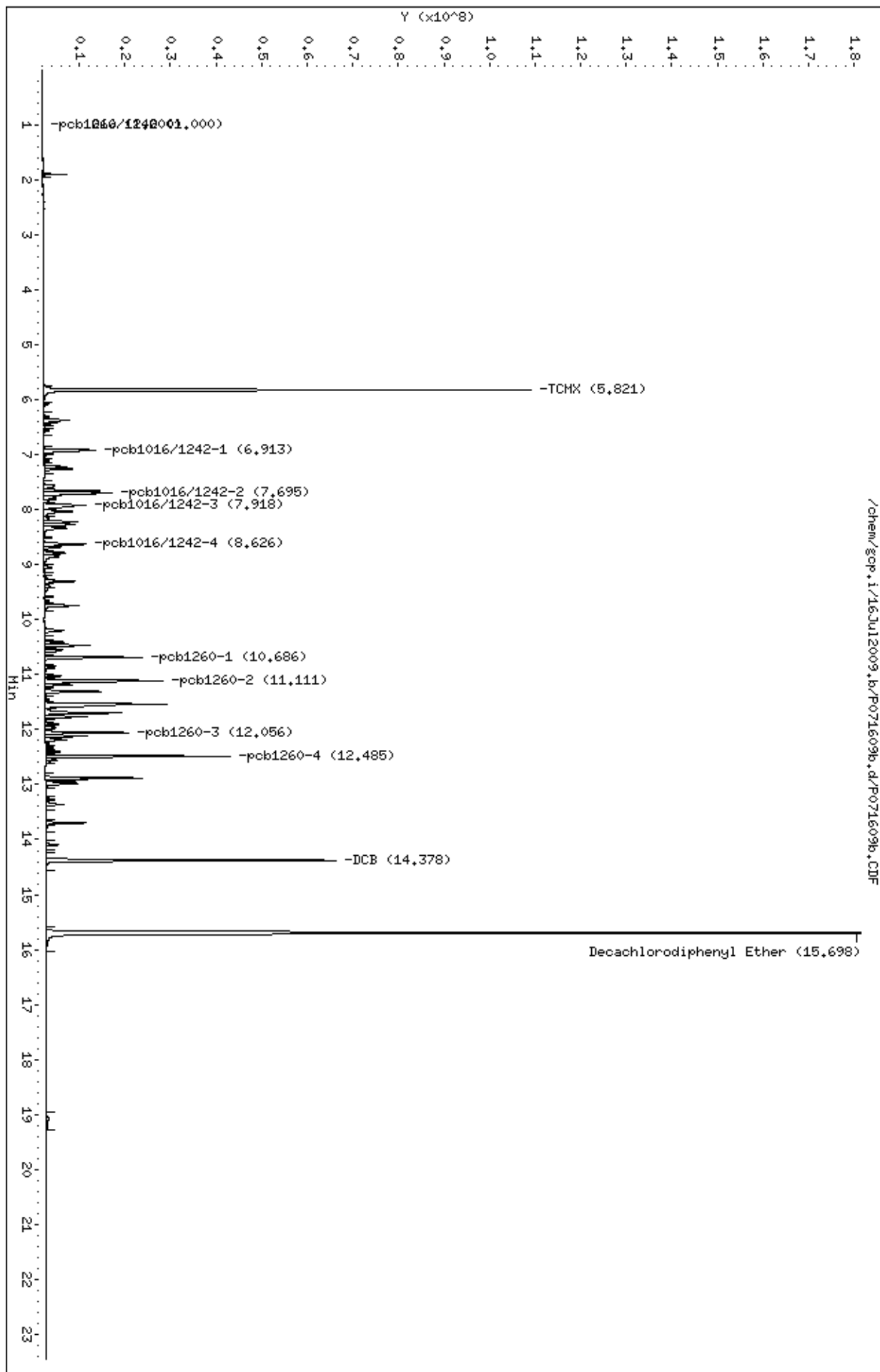
Sample Info:

Instrument: gcp.i

Operator: iz

Column diameter: 2.00

Column phase:



Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcp.i

Injection Date: 16-JUL-2009 22:40

Lab File ID: P071610.d

Init. Cal. Date(s): 19-MAY-2009 19-MAY-2009

Analysis Type: AIR

Init. Cal. Times: 17:30 20:37

Lab Sample ID: 1685-135A-0.6pest

Quant Type: ISTD

Method: /chem/gcp.i/16Jul2009.b/p0910519.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF0.600	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
=====	=====	=====	=====	=====	=====	=====
\$ 2 TCMX	1.93689	1.98628	0.010	-2.54984	15.00000	Averaged
8 a-BHC	2.78691	2.96286	0.010	-6.31362	15.00000	Averaged
9 g-BHC	2.59350	2.72519	0.010	-5.07782	15.00000	Averaged
10 b-BHC	1.06860	1.10022	0.010	-2.95918	15.00000	Averaged
11 d-BHC	2.40790	2.27856	0.010	5.37146	15.00000	Averaged
12 Heptachlor	2.36193	2.46721	0.010	-4.45747	15.00000	Averaged
13 Aldrin	2.30099	2.38612	0.010	-3.69942	15.00000	Averaged
14 Heptachlor Epoxide	1.98166	2.03757	0.010	-2.82093	15.00000	Averaged
15 g-Chlordane	2.08862	2.14397	0.010	-2.65005	15.00000	Averaged
16 a-Chlordane	1.97230	2.01791	0.010	-2.31235	15.00000	Averaged
17 Endosulfan I	1.77828	1.77546	0.010	0.15832	15.00000	Averaged
18 DDE	1.89126	1.96011	0.010	-3.64032	15.00000	Averaged
19 Dieldrin	1.94026	2.00210	0.010	-3.18735	15.00000	Averaged
20 Endrin	1.71932	1.76205	0.010	-2.48495	15.00000	Averaged
21 DDD	1.50014	1.58840	0.010	-5.88392	15.00000	Averaged
22 Endosulfan II	1.59040	1.53813	0.010	3.28684	15.00000	Averaged
23 DDT	1.58418	1.54787	0.010	2.29247	15.00000	Averaged
24 Endrin Aldehyde	1.25367	1.27874	0.010	-1.99977	15.00000	Averaged
25 Endosulfan Sulfate	1.40265	1.35356	0.010	3.50017	15.00000	Averaged
26 Methoxychlor	0.58781	0.58450	0.010	0.56330	15.00000	Averaged
27 Endrin Ketone	1.57764	1.60762	0.010	-1.90040	15.00000	Averaged
\$ 28 DCB	1.22197	1.21605	0.010	0.48396	15.00000	Averaged

Average %D / Drift Results.	
=====	
Calculated Average %D/Drift =	3.07245
Maximun Average %D/Drift =	15.00000
* Passed Average %D/Drift Test.	

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071610.d

Lab Smp Id: 1685-135A-0.6pest

Client Smp ID: CCV

Inj Date : 16-JUL-2009 22:40

Operator : lz

Inst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Front column, Rtx-CLPesticides II

Method : /chem/gcp.i/16Jul2009.b/p0910519.m

Meth Date : 16-Jul-2009 16:09 lzhang

Quant Type: ISTD

Cal Date : 19-MAY-2009 20:37

Cal File: P051912.d

Als bottle: 1

Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: pestCCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.012	6.012	(0.352)	21788391653	1.20000	1.230
8 a-BHC	7.000	7.000	(0.410)	16250502730	0.60000	0.6379
9 g-BHC	7.612	7.612	(0.446)	14946957808	0.60000	0.6305
10 b-BHC	7.756	7.756	(0.454)	6034412600	0.60000	0.6178
11 d-BHC	8.289	8.289	(0.485)	12497274906	0.60000	0.5678
12 Heptachlor	8.400	8.400	(0.492)	13531997464	0.60000	0.6267
13 Aldrin	9.005	9.005	(0.527)	13087213271	0.60000	0.6222
14 Heptachlor Epoxide	10.016	10.016	(0.587)	11175496875	0.60000	0.6169
15 g-Chlordane	10.330	10.330	(0.605)	11759098710	0.60000	0.6159
16 a-Chlordane	10.569	10.569	(0.619)	11067688680	0.60000	0.6139
17 Endosulfan I	10.667	10.667	(0.625)	9737932667	0.60000	0.5990
18 DDE	10.838	10.838	(0.635)	10750653788	0.60000	0.6218
19 Dieldrin	11.102	11.102	(0.650)	10980988758	0.60000	0.6191
20 Endrin	11.572	11.572	(0.678)	9664353499	0.60000	0.6149
21 DDD	11.730	11.730	(0.687)	8711969682	0.60000	0.6353
22 Endosulfan II	11.888	11.888	(0.696)	8436212672	0.60000	0.5803
23 DDT	12.184	12.184	(0.713)	8489632491	0.60000	0.5862
24 Endrin Aldehyde	12.377	12.377	(0.725)	7013537880	0.60000	0.6120
25 Endosulfan Sulfate	12.768	12.768	(0.748)	7423901522	0.60000	0.5790
26 Methoxychlor	13.136	13.136	(0.769)	32058380170	6.00000	5.966
27 Endrin Ketone	13.506	13.506	(0.791)	8817347204	0.60000	0.6114

Compounds	AMOUNTS					
				CAL-AMT	ON-COL	
	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 28 DCB	15.404	15.404	(0.902)	13339445685	1.20000	1.194
* 29 Decachlorodiphenyl Ether	17.076	17.076	(1.000)	18282434903	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071610.d

Calibration Time: 22:40

Lab Smp Id: 1685-135A-0.6pest

Client Smp ID: CCV

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	18282434903	9141217451	36564869805	18282434903	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.08	16.58	17.58	17.08	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: /chem/gcp.i/16Jul2009.b/P071610.d

Date : 16-JUL-2009 22:40

Client ID: CCV

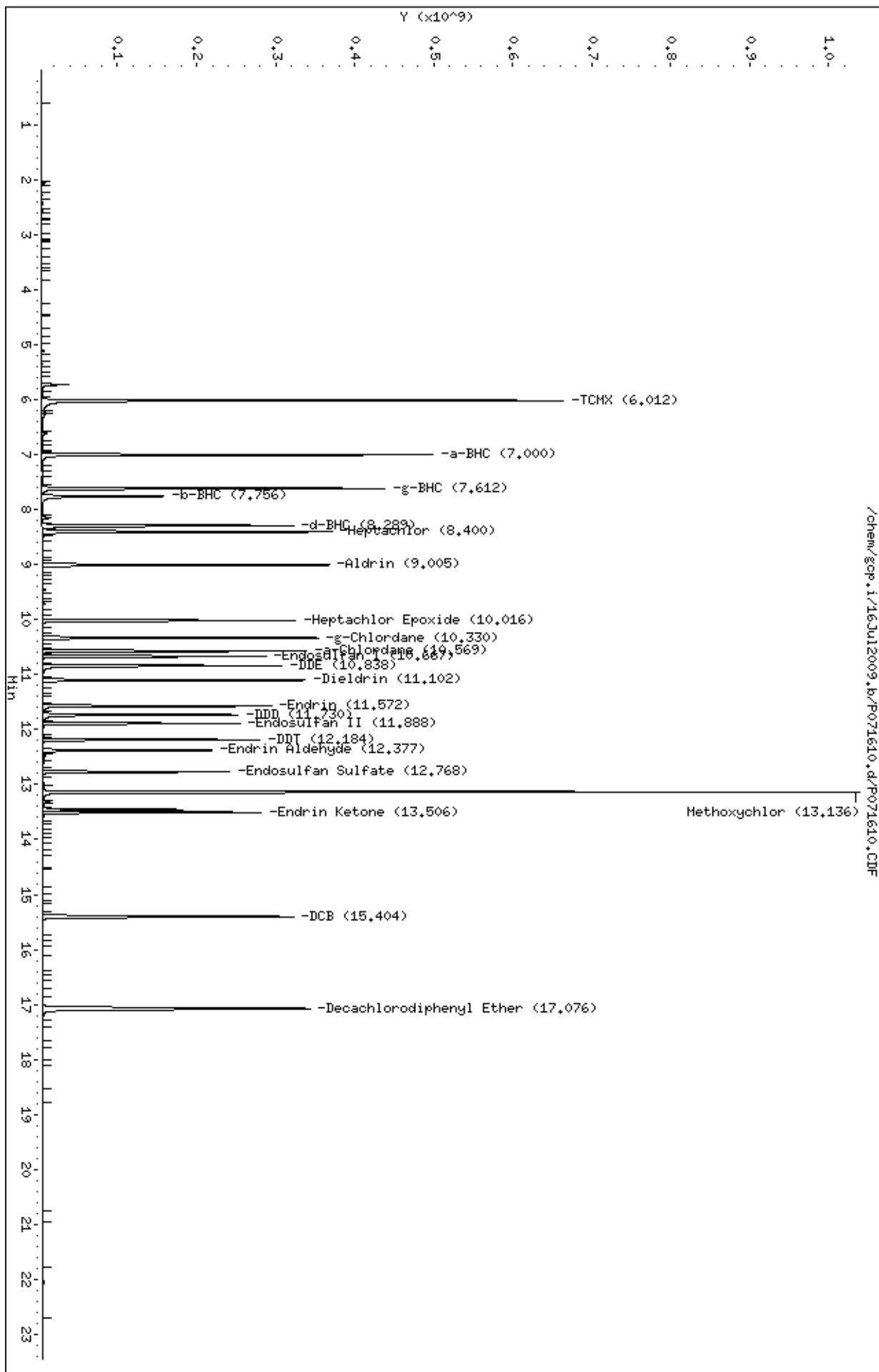
Sample Info:

Column phase:

Instrument: gcp.i

Operator: iz

Column diameter: 2.00



Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcp.i

Injection Date: 16-JUL-2009 22:40

Lab File ID: P071610b.d

Init. Cal. Date(s): 19-MAY-2009 19-MAY-2009

Analysis Type: AIR

Init. Cal. Times: 17:30 20:37

Lab Sample ID: 1685-135A-0.6pest

Quant Type: ISTD

Method: /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF0.600	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
=====	=====	=====	=====	=====	=====	=====
\$ 2 TCMX	1.57624	1.70986	0.010	-8.47719	15.00000	Averaged
8 a-BHC	2.15278	2.36690	0.010	-9.94595	15.00000	Averaged
9 g-BHC	2.01104	2.18368	0.010	-8.58470	15.00000	Averaged
10 b-BHC	0.80831	0.87242	0.010	-7.93152	15.00000	Averaged
11 d-BHC	1.89263	1.80595	0.010	4.57955	15.00000	Averaged
12 Heptachlor	1.85582	1.94220	0.010	-4.65436	15.00000	Averaged
13 Aldrin	1.79703	1.93444	0.010	-7.64664	15.00000	Averaged
14 Heptachlor Epoxide	1.59111	1.69324	0.010	-6.41922	15.00000	Averaged
15 g-Chlordane	1.68041	1.79318	0.010	-6.71087	15.00000	Averaged
16 a-Chlordane	1.61821	1.71879	0.010	-6.21577	15.00000	Averaged
18 Endosulfan I	1.50833	1.54811	0.010	-2.63689	15.00000	Averaged
17 DDE	1.48879	1.62645	0.010	-9.24625	15.00000	Averaged
19 Dieldrin	1.62685	1.70678	0.010	-4.91325	15.00000	Averaged
20 Endrin	1.44313	1.49568	0.010	-3.64113	15.00000	Averaged
21 DDD	1.27947	1.32404	0.010	-3.48301	15.00000	Averaged
22 Endosulfan II	1.36886	1.33223	0.010	2.67609	15.00000	Averaged
23 DDT	1.41489	1.40363	0.010	0.79539	15.00000	Averaged
24 Endrin Aldehyde	1.14935	1.15158	0.010	-0.19420	15.00000	Averaged
26 Endosulfan Sulfate	1.26084	1.17420	0.010	6.87146	15.00000	Averaged
25 Methoxychlor	0.63055	0.57951	0.010	8.09519	15.00000	Averaged
27 Endrin Ketone	1.57006	1.56468	0.010	0.34266	15.00000	Averaged
\$ 28 DCB	1.25882	1.26604	0.010	-0.57373	15.00000	Averaged

Average %D / Drift Results.	
=====	
Calculated Average %D/Drift =	5.21068
Maximun Average %D/Drift =	15.00000
* Passed Average %D/Drift Test.	

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071610b.d
Lab Smp Id: 1685-135A-0.6pestClient Smp ID: CCV
Inj Date : 16-JUL-2009 22:40
Operator : lzInst ID: gcp.i
Smp Info :
Misc Info : None
Comment : Back column, Rtx-CLPesticides
Method : /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m
Meth Date : 16-Jul-2009 16:09 lzhangQuant Type: ISTD
Cal Date : 19-MAY-2009 20:37Cal File: P051912b.d
Als bottle: 1Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

AMOUNTS						
				CAL-AMT	ON-COL	
Compounds				(ug)	(ug)	
=====				=====	=====	
\$ 2	TCMX	5.830	5.830 (0.371)	8438333930	1.20000	1.302
8	a-BHC	6.703	6.703 (0.427)	5840439072	0.60000	0.6597
9	g-BHC	7.225	7.225 (0.460)	5388346393	0.60000	0.6515
10	b-BHC	7.367	7.367 (0.469)	2152742535	0.60000	0.6476
11	d-BHC	7.682	7.682 (0.489)	4456281499	0.60000	0.5725
12	Heptachlor	8.044	8.044 (0.512)	4792476013	0.60000	0.6279
13	Aldrin	8.590	8.590 (0.547)	4773326064	0.60000	0.6459
14	Heptachlor Epoxide	9.673	9.673 (0.616)	4178158208	0.60000	0.6385
15	g-Chlordane	9.883	9.883 (0.630)	4424757216	0.60000	0.6403
16	a-Chlordane	10.104	10.104 (0.644)	4241197491	0.60000	0.6373
18	Endosulfan I	10.335	10.335 (0.658)	3820031250	0.60000	0.6158
17	DDE	10.221	10.221 (0.651)	4013338849	0.60000	0.6555
19	Dieldrin	10.717	10.717 (0.683)	4211556336	0.60000	0.6295
20	Endrin	11.081	11.081 (0.706)	3690666721	0.60000	0.6218
21	DDD	11.165	11.165 (0.711)	3267129124	0.60000	0.6209
22	Endosulfan II	11.421	11.421 (0.728)	3287336398	0.60000	0.5839
23	DDT	11.579	11.579 (0.738)	3463530292	0.60000	0.5952
24	Endrin Aldehyde	12.032	12.032 (0.766)	2841586123	0.60000	0.6012
26	Endosulfan Sulfate	12.645	12.645 (0.805)	2897406353	0.60000	0.5588
25	Methoxychlor	12.261	12.261 (0.781)	14299628540	6.00000	5.514
27	Endrin Ketone	13.033	13.033 (0.830)	3860916528	0.60000	0.5979

Compounds	AMOUNTS					
				CAL-AMT	ON-COL	
	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 28 DCB	14.379	14.379	(0.916)	6248034998	1.20000	1.207
* 29 Decachlorodiphenyl Ether	15.699	15.699	(1.000)	8225164566	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071610b.d

Calibration Time: 22:40

Lab Smp Id: 1685-135A-0.6pest

Client Smp ID: CCV

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	8225164566	4112582283	16450329131	8225164566	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.70	15.20	16.20	15.70	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: /chem/gcp.i/16Jul2009.b/P071610b.d

Date : 16-JUL-2009 22:40

Client ID: CCV

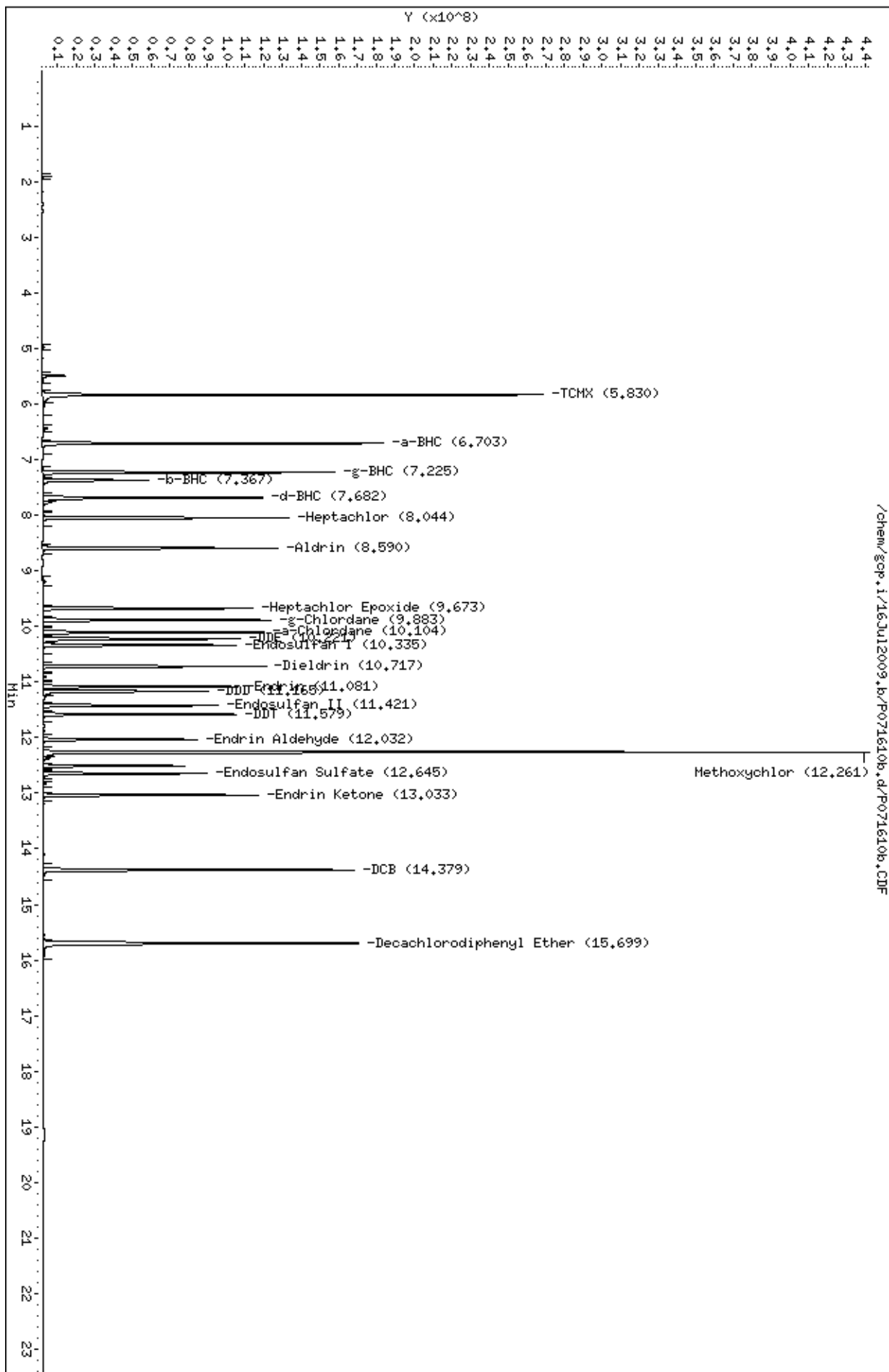
Sample Info:

Column phase:

Instrument: gcp.i

Operator: iz

Column diameter: 2.00



Air Toxics Ltd.

TARGET COMPOUNDS

Client Name:Client SDG: 16Jul2009

Lab Smp Id: 1685-137-3 pcbClient Smp ID: CCV

Sample Location:Sample Point:

Sample Date:Date Received:

Sample Matrix: AIRQuant Type: ISTD

Analysis Type: VOALevel: LOW

Data Type: GC DATAOperator: lz

Misc Info: None

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/KG) uG	Q
9999-9999-098---	pcb1016/1242_____	2.87	
-----	pcb1016/1242-1_____	2.96	
-----	pcb1016/1242-2_____	2.81	
-----	pcb1016/1242-3_____	3.01	
-----	pcb1016/1242-4_____	2.72	
11096-82-5-----	pcb1260_____	2.66	
-----	pcb1260-1_____	2.63	
-----	pcb1260-2_____	2.68	
-----	pcb1260-3_____	2.67	
-----	pcb1260-4_____	2.64	
=====		=====	=====
877-09-8-----	TCMX_____	0.591	
2051-24-3-----	DCB_____	0.512	

Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/16Jul2009.b/P071624.d
Lab Smp Id: 1685-137-3 pcb Client Smp ID: CCV
Inj Date : 17-JUL-2009 04:55
Operator : lz Inst ID: gcp.i
Smp Info :
Misc Info : None
Comment : Rtx-CLPesticide II
Method : /chem/gcp.i/16Jul2009.b/p09p0522.m
Meth Date : 16-Jul-2009 15:45 lzhang Quant Type: ISTD
Cal Date : 22-MAY-2009 19:06 Cal File: P052203.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: CCV.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable Local Compound Variable

		CONCENTRATIONS					
		ON-COLUMN			FINAL		
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		6.011	6.026	(0.352)	9245366927	0.59107	0.591
M 3 pcb1016/1242					6513251974	2.86650	2.87
4 pcb1016/1242-1		7.419	7.438	(0.435)	1082805741	2.95891	2.96
5 pcb1016/1242-2		8.219	8.240	(0.481)	2581108642	2.80753	2.81
6 pcb1016/1242-3		8.454	8.476	(0.495)	1721527998	3.01112	3.01
7 pcb1016/1242-4		9.285	9.305	(0.544)	1127809590	2.71651	2.72
M 8 pcb1260					9769282479	2.65583	2.66
9 pcb1260-1		11.348	11.365	(0.665)	2004165669	2.63137	2.63
10 pcb1260-2		11.656	11.673	(0.683)	2494098562	2.68345	2.68
11 pcb1260-3		12.729	12.743	(0.746)	1812597840	2.67041	2.67
12 pcb1260-4		13.065	13.080	(0.765)	3458420408	2.64287	2.64
\$ 38 DCB		15.401	15.417	(0.902)	5383942768	0.51240	0.512
* 39 Decachlorodiphenyl Ether		17.071	17.092	(1.000)	20063131053	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071624.d

Calibration Time: 22:13

Lab Smp Id: 1685-137-3 pcb

Client Smp ID: CCV

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	19448493630	9724246815	38896987259	20063131053	3.16
-----	-----	-----	-----	-----	-----

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	17.09	16.59	17.59	17.07	-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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction: VOA
Lab Smp Id: 1685-137-3 pcb	Client Smp ID: CCV
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: LCS
SpikeList File: CCV10.spk	Quant Type: ISTD
Sublist File: CCV.sub	
Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m	
Misc Info: None	

SPIKE COMPOUND		CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$	2 TCMX	0.600	0.591	98.51	85-115
M	3 pcb1016/1242	3.00	2.87	95.55	85-115
	4 pcb1016/1242-1	3.00	2.96	98.63	85-115
	5 pcb1016/1242-2	3.00	2.81	93.58	85-115
	6 pcb1016/1242-3	3.00	3.01	100.37	85-115
	7 pcb1016/1242-4	3.00	2.72	90.55	85-115
M	8 pcb1260	3.00	2.66	88.53	85-115
	9 pcb1260-1	3.00	2.63	87.71	85-115
	10 pcb1260-2	3.00	2.68	89.45	85-115
	11 pcb1260-3	3.00	2.67	89.01	85-115
	12 pcb1260-4	3.00	2.64	88.10	85-115
\$	38 DCB	0.600	0.512	85.40	85-115

SURROGATE COMPOUND		CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$	2 TCMX	0.600	0.591	98.51	60-120
\$	38 DCB	0.600	0.512	85.40	60-120

Data File: /chem/gcp.i/16Jul2009.b/P071624.d

Date : 17-JUL-2009 04:55

Client ID: CCV

Sample Info:

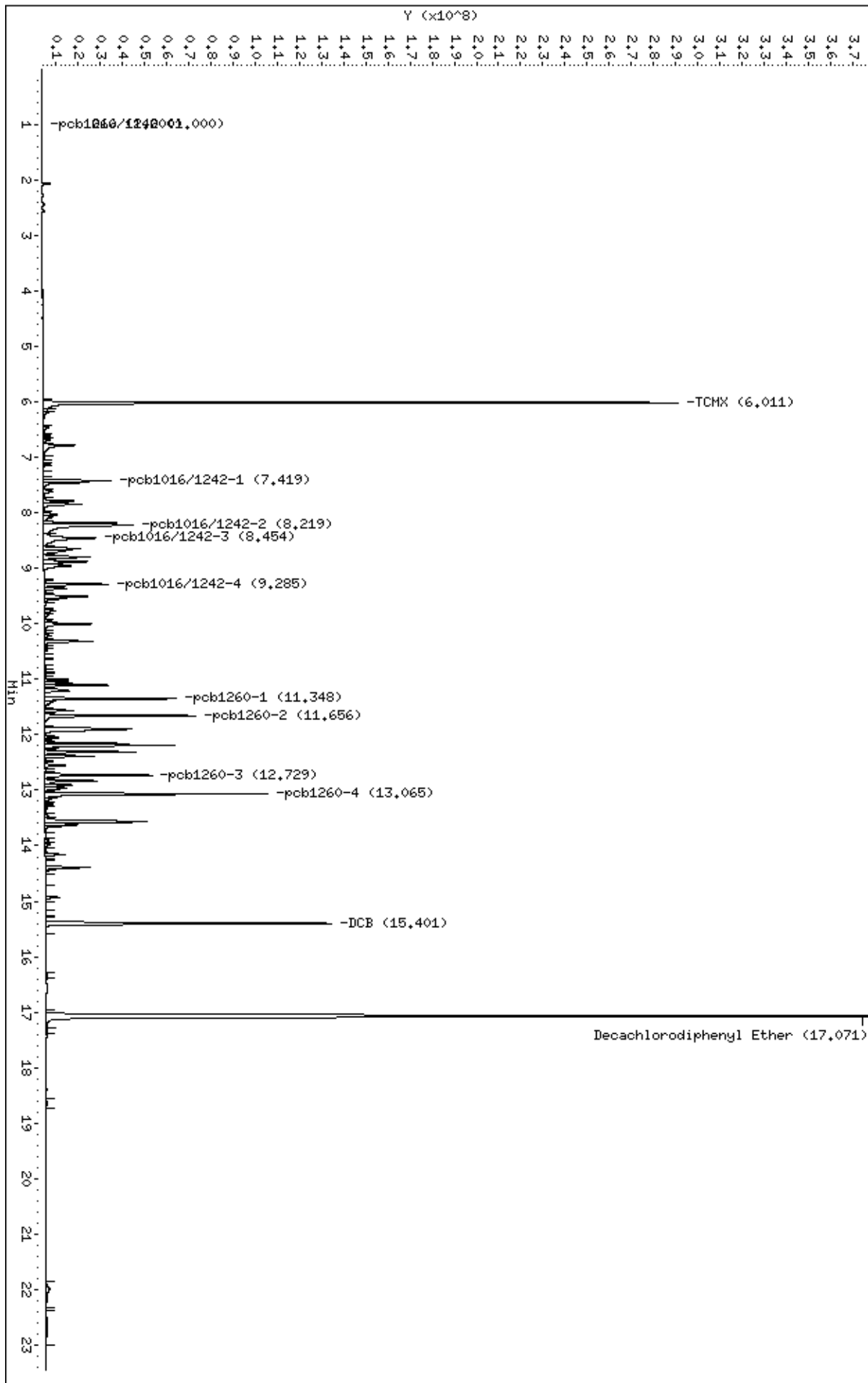
Instrument: gcp.i

Operator: iz

Column diameter: 2.00

Column phase:

/chem/gcp.i/16Jul2009.b/P071624.d/P071624.CDF



Air Toxics Ltd.

TARGET COMPOUNDS

Client Name:Client SDG: 16Jul2009

Lab Smp Id: 1685-137-3 pcbClient Smp ID: CCV

Sample Location:Sample Point:

Sample Date:Date Received:

Sample Matrix: WATERQuant Type: ISTD

Analysis Type: VOALevel: HIGH

Data Type: GC DATAOperator: lz

Misc Info: None

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG)	ug/L	Q
x9999-9999-098--	pcb1016/1242		2.81	
-----	pcb1016/1242-1		2.84	
-----	pcb1016/1242-2		2.83	
-----	pcb1016/1242-3		2.79	
-----	pcb1016/1242-4		2.77	
x11096-82-5----	pcb1260		2.63	
-----	pcb1260-1		2.70	
-----	pcb1260-2		2.68	
-----	pcb1260-3		2.58	
-----	pcb1260-4		2.56	
=====			=====	=====
x877-09-8-----	TCMX		0.554	
x2051-24-3-----	DCB		0.502	

Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/16Jul2009.b/P071624b.d

Lab Smp Id: 1685-137-3 pcbClient Smp ID: CCV

Inj Date : 17-JUL-2009 04:55

Operator : lzInst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Rtx-CLPesticide

Method : /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m

Meth Date : 16-Jul-2009 15:45 lzhangQuant Type: ISTD

Cal Date : 22-MAY-2009 23:59Cal File: P052214b.d

Als bottle: 1QC Sample: METHSPIKE

Dil Factor: 1.00000

Integrator: HP GenieCompound Sublist: CCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS				
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/L)
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.832	5.821	(0.371)	3686616684	0.55382	0.554
M 3 pcb1016/1242				2558196300	2.81390	2.81
4 pcb1016/1242-1	6.924	6.913	(0.441)	666487426	2.84433	2.84
5 pcb1016/1242-2	7.706	7.695	(0.491)	848064937	2.83075	2.83
6 pcb1016/1242-3	7.929	7.918	(0.505)	604898108	2.79142	2.79
7 pcb1016/1242-4	8.636	8.626	(0.550)	438745827	2.76779	2.77
M 8 pcb1260				4417816484	2.62857	2.63
9 pcb1260-1	10.693	10.686	(0.681)	884004170	2.70072	2.70
10 pcb1260-2	11.117	11.111	(0.708)	1333940131	2.68388	2.68
11 pcb1260-3	12.060	12.056	(0.768)	704770410	2.57830	2.58
12 pcb1260-4	12.490	12.485	(0.796)	1495101770	2.56447	2.56
\$ 38 DCB	14.380	14.378	(0.916)	2602141141	0.50178	0.502(R)
* 39 Decachlorodiphenyl Ether	15.700	15.698	(1.000)	9562660865	2.00000	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071624b.d

Calibration Time: 22:13

Lab Smp Id: 1685-137-3 pcb

Client Smp ID: CCV

Analysis Type: VOA

Level: HIGH

Quant Type: ISTD

Sample Type: WATER

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	8678794631	4339397315	17357589261	9562660865	10.18

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 16Jul2009
Sample Matrix: LIQUID Fraction: VOA
Lab Smp Id: 1685-137-3 pcb Client Smp ID: CCV
Level: HIGH Operator: lz
Data Type: GC DATA SampleType: METHSPIKE
SpikeList File: CCV10.spk Quant Type: ISTD
Sublist File: CCV.sub
Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m
Misc Info: None

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 2 TCMX	0.600	0.554	92.30	85-115
M 3 pcb1016/1242	3.00	2.81	93.80	85-115
4 pcb1016/1242-1	3.00	2.84	94.81	85-115
5 pcb1016/1242-2	3.00	2.83	94.36	85-115
6 pcb1016/1242-3	3.00	2.79	93.05	85-115
7 pcb1016/1242-4	3.00	2.77	92.26	85-115
M 8 pcb1260	3.00	2.63	87.62	85-115
9 pcb1260-1	3.00	2.70	90.02	85-115
10 pcb1260-2	3.00	2.68	89.46	85-115
11 pcb1260-3	3.00	2.58	85.94	85-115
12 pcb1260-4	3.00	2.56	85.48	85-115
\$ 38 DCB	0.600	0.502	83.63*	85-115

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
\$ 2 TCMX	0.400	0.554	92.30	60-120
\$ 38 DCB	0.400	0.502	83.63	60-120

Data File: /chem/gcp.i/16Jul2009.b/P071624b.d

Date : 17-JUL-2009 04:55

Client ID: CCV

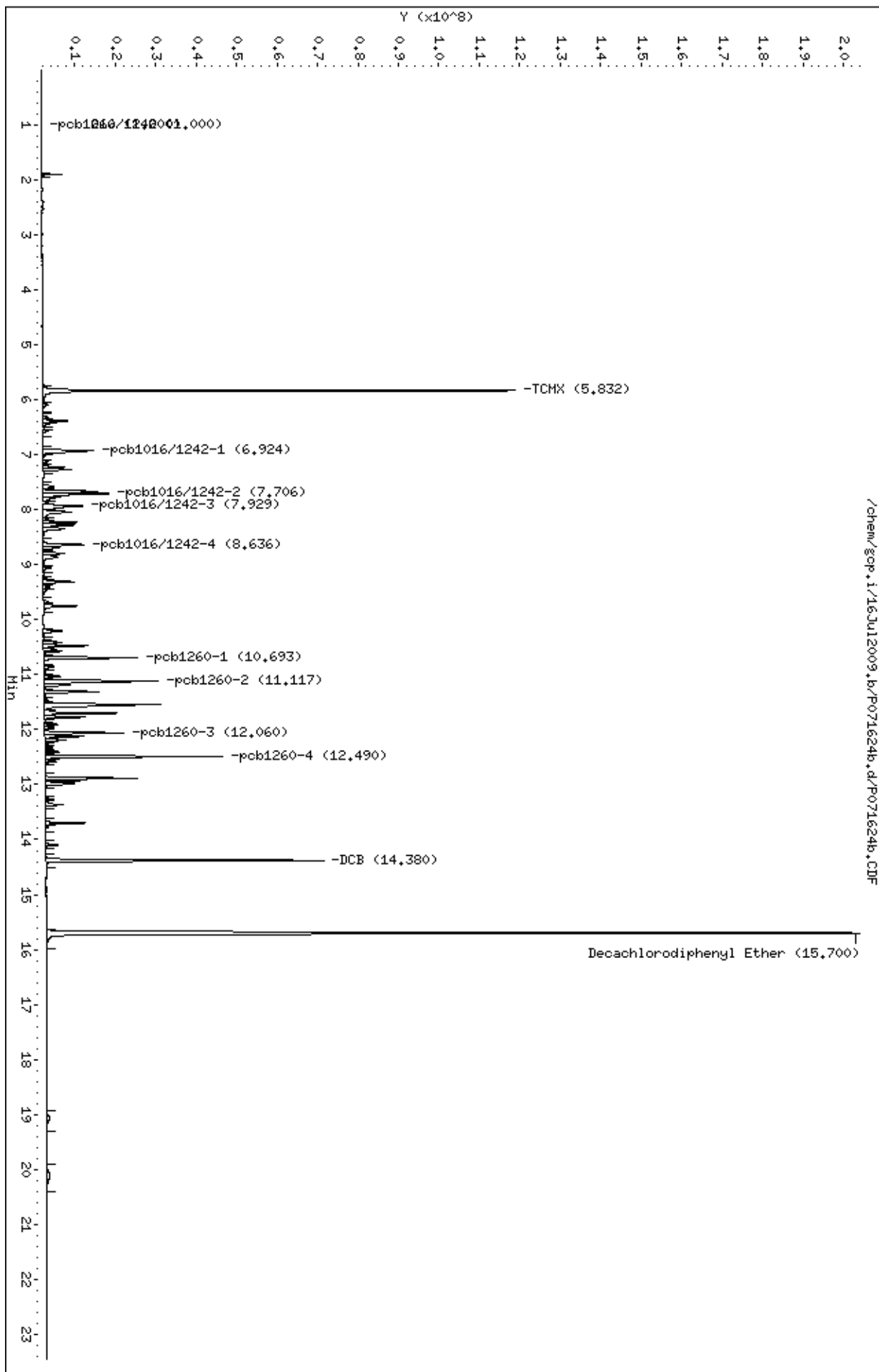
Sample Info:

Instrument: gcp.i

Operator: iz

Column diameter: 2.00

Column phase:



Air Toxics Ltd.

TARGET COMPOUNDS

Client Name:Client SDG: 16Jul2009

Lab Smp Id: 1685-135A-0.6 pestClient Smp ID: CCV

Sample Location:Sample Point:

Sample Date:Date Received:

Sample Matrix: AIRQuant Type: ISTD

Analysis Type:Level: LOW

Data Type: GC DATAOperator: lz

Misc Info: None

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/KG) ug	Q
319-84-6-----a-BHC_____		0.6444	E
58-89-9-----g-BHC_____		0.6374	
319-85-7-----b-BHC_____		0.6161	E
319-86-8-----d-BHC_____		0.6125	E
76-44-8-----Heptachlor_____		0.6263	
309-00-2-----Aldrin_____		0.6195	
1024-57-3-----Heptachlor Epoxide_____		0.6139	E
5103-74-2-----g-Chlordane_____		0.6050	E
5103-71-9-----a-Chlordane_____		0.6031	E
959-98-8-----Endosulfan I_____		0.5917	E
72-55-9-----DDE_____		0.6106	E
60-57-1-----Dieldrin_____		0.6104	
72-20-8-----Endrin_____		0.6026	
72-54-8-----DDD_____		0.6330	E
33213-65-9-----Endosulfan II_____		0.5620	E
50-29-3-----DDT_____		0.5741	
7421-93-4-----Endrin Aldehyde_____		0.6008	E
1031-07-8-----Endosulfan Sulfate_____		0.5950	E
72-43-5-----Methoxychlor_____		6.087	E
53494-70-5-----Endrin Ketone_____		0.5982	E
=====		=====	=====
877-09-8-----TCMX_____		1.230	
2051-24-3-----DCB_____		1.182	

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071625.d
Lab Smp Id: 1685-135A-0.6 pestClient Smp ID: CCV
Inj Date : 17-JUL-2009 05:22
Operator : lzInst ID: gcp.i
Smp Info :
Misc Info : None
Comment : Front column, Rtx-CLPesticides II
Method : /chem/gcp.i/16Jul2009.b/p0910519.m
Meth Date : 16-Jul-2009 16:09 lzhangQuant Type: ISTD
Cal Date : 19-MAY-2009 20:37Cal File: P051912.d
Als bottle: 1QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

CONCENTRATIONS						
				ON-COLUMN	FINAL	
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.010	6.012	(0.352)	22871605405	1.22951	1.230
8 a-BHC	6.999	7.000	(0.410)	17248334455	0.64442	0.6444
9 g-BHC	7.610	7.612	(0.446)	15878016217	0.63746	0.6374
10 b-BHC	7.753	7.756	(0.454)	6323121240	0.61611	0.6161
11 d-BHC	8.286	8.289	(0.485)	14165381864	0.61254	0.6125
12 Heptachlor	8.399	8.400	(0.492)	14206517853	0.62627	0.6263
13 Aldrin	9.003	9.005	(0.527)	13689642067	0.61947	0.6195
14 Heptachlor Epoxide	10.014	10.016	(0.587)	11684448197	0.61393	0.6139
15 g-Chlordane	10.327	10.330	(0.605)	12136363057	0.60502	0.6050
16 a-Chlordane	10.567	10.569	(0.619)	11423515173	0.60307	0.6031
17 Endosulfan I	10.666	10.667	(0.625)	10104896860	0.59166	0.5917
18 DDE	10.836	10.838	(0.635)	11090268698	0.61057	0.6106
19 Dieldrin	11.100	11.102	(0.650)	11374246634	0.61039	0.6104
20 Endrin	11.569	11.572	(0.678)	9949964623	0.60257	0.6026
21 DDD	11.726	11.730	(0.687)	9120833680	0.63306	0.6330
22 Endosulfan II	11.886	11.888	(0.696)	8584504445	0.56202	0.5620
23 DDT	12.182	12.184	(0.713)	8734511815	0.57408	0.5741
24 Endrin Aldehyde	12.376	12.377	(0.725)	7234509662	0.60085	0.6008
25 Endosulfan Sulfate	12.766	12.768	(0.748)	8016015479	0.59504	0.5950
26 Methoxychlor	13.134	13.136	(0.769)	34365934420	6.08737	6.087
27 Endrin Ketone	13.504	13.506	(0.791)	9064286513	0.59823	0.5982

Compounds	CONCENTRATIONS					
				ON-COLUMN		FINAL
	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 28 DCB	15.402	15.404	(0.902)	13878845165	1.18259	1.182
* 29 Decachlorodiphenyl Ether	17.073	17.076	(1.000)	19208286934	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071625.d

Calibration Time: 22:40

Lab Smp Id: 1685-135A-0.6 pest

Client Smp ID: CCV

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	18282434903	9141217451	36564869805	19208286934	5.06

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.08	16.58	17.58	17.07	-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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 16Jul2009
Sample Matrix: GAS Fraction:
Lab Smp Id: 1685-135A-0.6 pest Client Smp ID: CCV
Level: LOW Operator: lz
Data Type: GC DATA SampleType: METHSPIKE
SpikeList File: CCV-1.spk Quant Type: ISTD
Sublist File: pestCCV.sub
Method File: /chem/gcp.i/16Jul2009.b/p0910519.m
Misc Info: None

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	1.200	1.230	102.46	85-115
8 a-BHC	0.6000	0.6444	107.40	85-115
10 b-BHC	0.6000	0.6161	102.68	85-115
9 g-BHC	0.6000	0.6374	106.24	85-115
11 d-BHC	0.6000	0.6125	102.09	85-115
12 Heptachlor	0.6000	0.6263	104.38	85-115
13 Aldrin	0.6000	0.6195	103.24	85-115
14 Heptachlor Epoxide	0.6000	0.6139	102.32	85-115
17 Endosulfan I	0.6000	0.5917	98.61	85-115
18 DDE	0.6000	0.6106	101.76	85-115
19 Dieldrin	0.6000	0.6104	101.73	85-115
20 Endrin	0.6000	0.6026	100.43	85-115
22 Endosulfan II	0.6000	0.5620	93.67	85-115
21 DDD	0.6000	0.6330	105.51	85-115
24 Endrin Aldehyde	0.6000	0.6008	100.14	85-115
25 Endosulfan Sulfate	0.6000	0.5950	99.17	85-115
23 DDT	0.6000	0.5741	95.68	85-115
27 Endrin Ketone	0.6000	0.5982	99.71	85-115
16 a-Chlordane	0.6000	0.6031	100.51	85-115
15 g-Chlordane	0.6000	0.6050	100.84	85-115
26 Methoxychlor	6.000	6.087	101.46	85-115
169 Mirex	0.6000	0.000	*	85-115
\$ 28 DCB	1.200	1.182	98.55	85-115

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.7000	1.230	102.46	60-120
\$ 28 DCB	1.100	1.182	98.55	60-120

Data File: /chem/gcp.i/16Jul2009.b/P071625.d

Date : 17-JUL-2009 05:22

Client ID: CCV

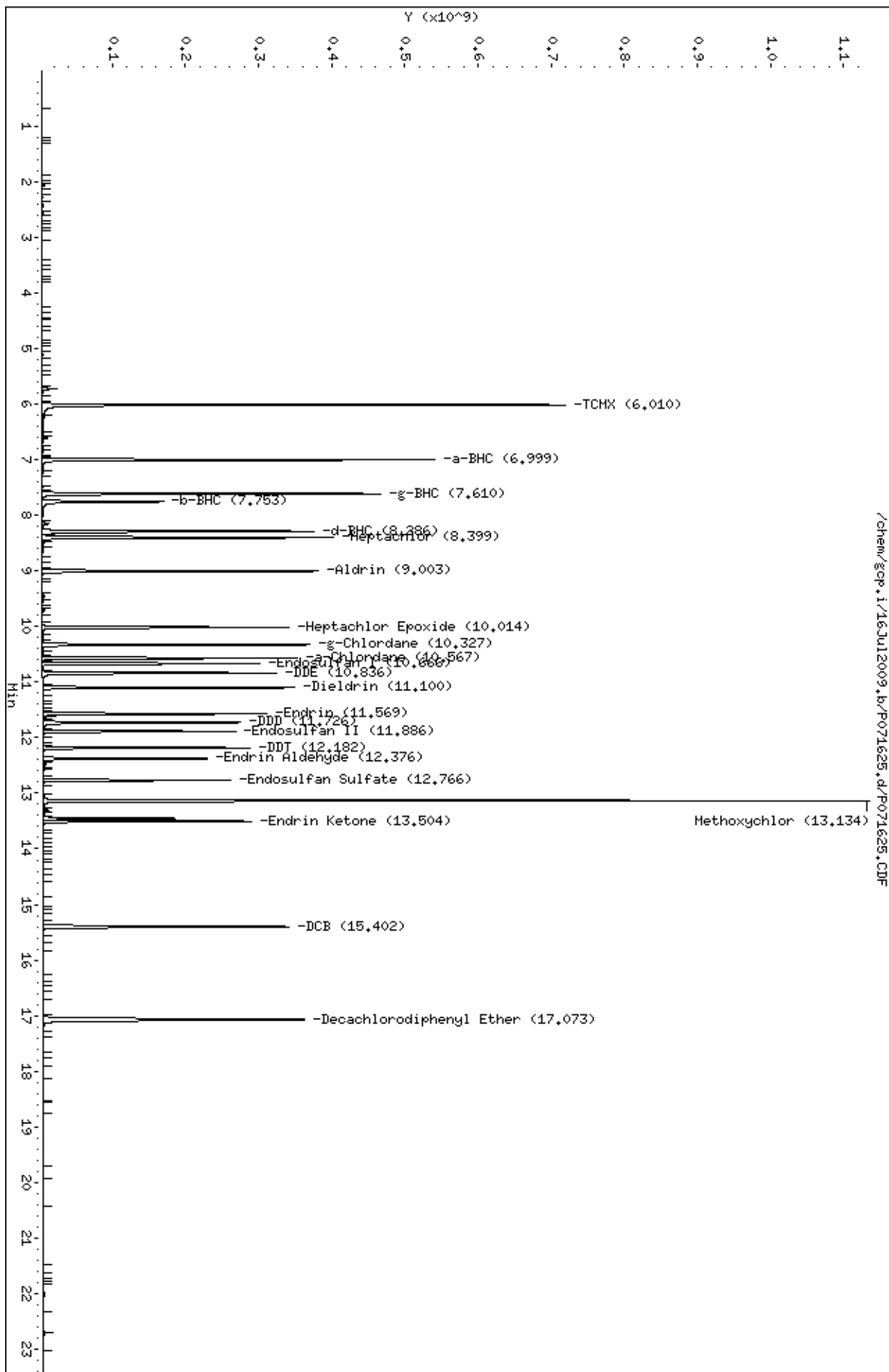
Sample Info:

Column phase:

Instrument: gcp.i

Operator: iz

Column diameter: 2.00



Air Toxics Ltd.

TARGET COMPOUNDS

Client Name:Client SDG: 16Jul2009

Lab Smp Id: 1685-135A-0.6 pestClient Smp ID: CCV

Sample Location:Sample Point:

Sample Date:Date Received:

Sample Matrix: AIRQuant Type: ISTD

Analysis Type:Level: LOW

Data Type: GC DATAOperator: lz

Misc Info: None

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/KG) ug	Q
x319-84-6-----a-BHC		0.6636	E
x58-89-9-----g-BHC		0.6546	
x319-85-7-----b-BHC		0.6460	E
x319-86-8-----d-BHC		0.6204	E
x76-44-8-----Heptachlor		0.6350	
x309-00-2-----Aldrin		0.6433	
x1024-57-3-----Heptachlor Epoxide		0.6376	E
x5103-74-2-----g-Chlordane		0.6342	E
x5103-71-9-----a-Chlordane		0.6308	E
x959-98-8-----Endosulfan I		0.6106	E
x72-55-9-----DDE		0.6590	E
x60-57-1-----Dieldrin		0.6316	
x72-20-8-----Endrin		0.6368	
x72-54-8-----DDD		0.6481	E
x33213-65-9-----Endosulfan II		0.5809	E
x50-29-3-----DDT		0.5980	
x7421-93-4-----Endrin Aldehyde		0.5900	E
x1031-07-8-----Endosulfan Sulfate		0.5916	E
x72-43-5-----Methoxychlor		5.643	E
x53494-70-5-----Endrin Ketone		0.5906	E
=====		=====	=====
x877-09-8-----TCMX		1.298	
x2051-24-3-----DCB		1.187	

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071625b.d

Lab Smp Id: 1685-135A-0.6 pestClient Smp ID: CCV

Inj Date : 17-JUL-2009 05:22

Operator : lzInst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Back column, Rtx-CLPesticides

Method : /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m

Meth Date : 16-Jul-2009 16:09 lzhangQuant Type: ISTD

Cal Date : 19-MAY-2009 20:37Cal File: P051912b.d

Als bottle: 1QC Sample: METHSPIKE

Dil Factor: 1.00000

Integrator: HP GenieCompound Sublist: pestCCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

CONCENTRATIONS						
				ON-COLUMN	FINAL	
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.832	5.830	(0.371)	9476343456	1.29771	1.298
8 a-BHC	6.705	6.703	(0.427)	6618115360	0.66358	0.6636
9 g-BHC	7.226	7.225	(0.460)	6098486874	0.65458	0.6546
10 b-BHC	7.369	7.367	(0.469)	2419104470	0.64601	0.6460
11 d-BHC	7.682	7.682	(0.489)	5439314453	0.62035	0.6204
12 Heptachlor	8.046	8.044	(0.512)	5459774518	0.63504	0.6350
13 Aldrin	8.592	8.590	(0.547)	5355609376	0.64330	0.6433
14 Heptachlor Epoxide	9.675	9.673	(0.616)	4699884448	0.63760	0.6376
15 g-Chlordane	9.885	9.883	(0.630)	4937226544	0.63420	0.6342
16 a-Chlordane	10.106	10.104	(0.644)	4728823806	0.63078	0.6308
18 Endosulfan I	10.337	10.335	(0.658)	4266408998	0.61056	0.6106
17 DDE	10.222	10.221	(0.651)	4545158284	0.65899	0.6590
19 Dieldrin	10.719	10.717	(0.683)	4759957251	0.63156	0.6316
20 Endrin	11.083	11.081	(0.706)	4257323730	0.63678	0.6368
21 DDD	11.166	11.165	(0.711)	3841563035	0.64809	0.6481
22 Endosulfan II	11.423	11.421	(0.728)	3683807238	0.58090	0.5809
23 DDT	11.580	11.579	(0.738)	3919680316	0.59798	0.5980
24 Endrin Aldehyde	12.033	12.032	(0.766)	3141685664	0.59003	0.5900
26 Endosulfan Sulfate	12.646	12.645	(0.805)	3455555390	0.59159	0.5916
25 Methoxychlor	12.262	12.261	(0.781)	16485333259	5.64336	5.643
27 Endrin Ketone	13.034	13.033	(0.830)	4296179904	0.59065	0.5906

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN	FINAL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 28 DCB	14.381	14.379	(0.916)	6922937990	1.18710	1.187
* 29 Decachlorodiphenyl Ether	15.701	15.699	(1.000)	9265509481	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071625b.d

Calibration Time: 22:40

Lab Smp Id: 1685-135A-0.6 pest

Client Smp ID: CCV

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	8225164566	4112582283	16450329131	9265509481	12.65

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 1685-135A-0.6 pest	Client Smp ID: CCV
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: METHSPIKE
SpikeList File: CCV-1.spk	Quant Type: ISTD
Sublist File: pestCCV.sub	
Method File: /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m	
Misc Info: None	

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	1.200	1.298	108.14	85-115
8 a-BHC	0.6000	0.6636	110.60	85-115
10 b-BHC	0.6000	0.6460	107.67	85-115
9 g-BHC	0.6000	0.6546	109.10	85-115
11 d-BHC	0.6000	0.6204	103.39	85-115
12 Heptachlor	0.6000	0.6350	105.84	85-115
13 Aldrin	0.6000	0.6433	107.22	85-115
14 Heptachlor Epoxide	0.6000	0.6376	106.27	85-115
18 Endosulfan I	0.6000	0.6106	101.76	85-115
17 DDE	0.6000	0.6590	109.83	85-115
19 Dieldrin	0.6000	0.6316	105.26	85-115
20 Endrin	0.6000	0.6368	106.13	85-115
22 Endosulfan II	0.6000	0.5809	96.82	85-115
21 DDD	0.6000	0.6481	108.02	85-115
24 Endrin Aldehyde	0.6000	0.5900	98.34	85-115
26 Endosulfan Sulfate	0.6000	0.5916	98.60	85-115
23 DDT	0.6000	0.5980	99.66	85-115
27 Endrin Ketone	0.6000	0.5906	98.44	85-115
16 a-Chlordane	0.6000	0.6308	105.13	85-115
15 g-Chlordane	0.6000	0.6342	105.70	85-115
25 Methoxychlor	6.000	5.643	94.06	85-115
168 Mirex	0.6000	0.000	*	85-115
\$ 28 DCB	1.200	1.187	98.93	85-115

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.6000	1.298	108.14	60-120
\$ 28 DCB	0.6000	1.187	98.93	60-120

Data File: /chem/gcp.i/16Jul2009.b/P071625b.d

Date : 17-JUL-2009 05:22

Client ID: CCV

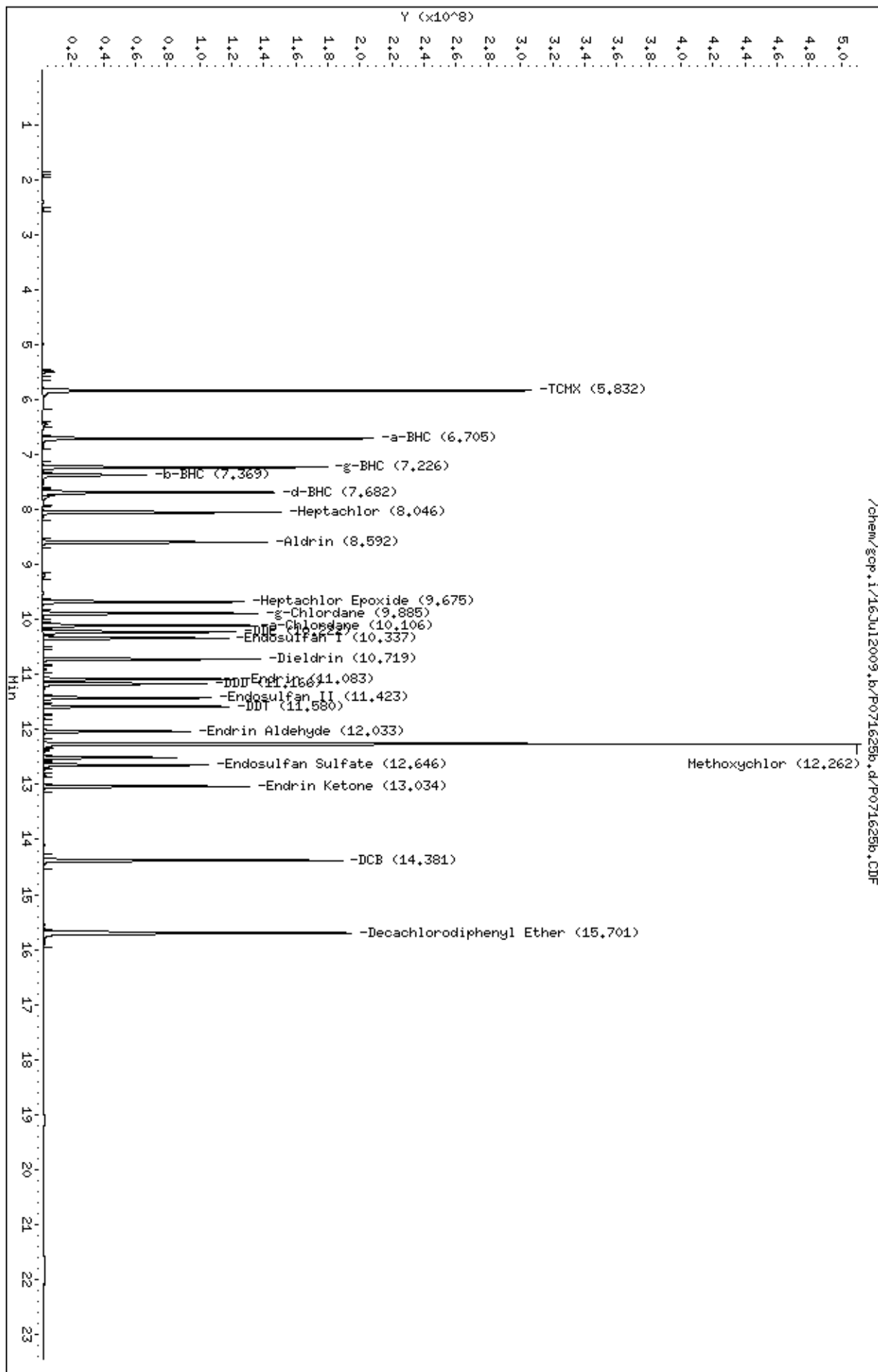
Sample Info:

Column phase:

Instrument: gcp.i

Operator: iz

Column diameter: 2.00



Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcp.i

Injection Date: 17-JUL-2009 18:55

Lab File ID: P071704.d

Init. Cal. Date(s): 19-MAY-2009 19-MAY-2009

Analysis Type: AIR

Init. Cal. Times: 17:30 20:37

Lab Sample ID: 1685-135A-0.6 pest Quant Type: ISTD

Method: /chem/gcp.i/17Jul2009.b/p0910519.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF0.600	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
=====	=====	=====	=====	=====	=====	=====
\$ 2 TCMX	1.93689	1.93461	0.010	0.11774	15.00000	Averaged
8 a-BHC	2.78691	2.89550	0.010	-3.89653	15.00000	Averaged
9 g-BHC	2.59350	2.66503	0.010	-2.75799	15.00000	Averaged
10 b-BHC	1.06860	1.07480	0.010	-0.58069	15.00000	Averaged
11 d-BHC	2.40790	2.25477	0.010	6.35956	15.00000	Averaged
12 Heptachlor	2.36193	2.39605	0.010	-1.44467	15.00000	Averaged
13 Aldrin	2.30099	2.32674	0.010	-1.11879	15.00000	Averaged
14 Heptachlor Epoxide	1.98166	1.98853	0.010	-0.34667	15.00000	Averaged
15 g-Chlordane	2.08862	2.07915	0.010	0.45358	15.00000	Averaged
16 a-Chlordane	1.97230	1.95583	0.010	0.83538	15.00000	Averaged
17 Endosulfan I	1.77828	1.72194	0.010	3.16785	15.00000	Averaged
18 DDE	1.89126	1.89785	0.010	-0.34828	15.00000	Averaged
19 Dieldrin	1.94026	1.93900	0.010	0.06504	15.00000	Averaged
20 Endrin	1.71932	1.70758	0.010	0.68283	15.00000	Averaged
21 DDD	1.50014	1.54619	0.010	-3.07017	15.00000	Averaged
22 Endosulfan II	1.59040	1.46778	0.010	7.70994	15.00000	Averaged
23 DDT	1.58418	1.46970	0.010	7.22651	15.00000	Averaged
24 Endrin Aldehyde	1.25367	1.23648	0.010	1.37123	15.00000	Averaged
25 Endosulfan Sulfate	1.40265	1.30930	0.010	6.65525	15.00000	Averaged
26 Methoxychlor	0.58781	0.56649	0.010	3.62701	15.00000	Averaged
27 Endrin Ketone	1.57764	1.54169	0.010	2.27815	15.00000	Averaged
\$ 28 DCB	1.22197	1.16241	0.010	4.87367	15.00000	Averaged

Average %D / Drift Results.	
=====	
Calculated Average %D/Drift =	2.68125
Maximun Average %D/Drift =	15.00000
* Passed Average %D/Drift Test.	

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/17Jul2009.b/P071704.d

Lab Smp Id: 1685-135A-0.6 pestClient Smp ID: CCV

Inj Date : 17-JUL-2009 18:55

Operator : rnInst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Front column, Rtx-CLPesticides II

Method : /chem/gcp.i/17Jul2009.b/p0910519.m

Meth Date : 20-Jul-2009 08:54 lzhangQuant Type: ISTD

Cal Date : 19-MAY-2009 20:37Cal File: P051912.d

Als bottle: 1Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: HP GenieCompound Sublist: pestCCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.008	6.008	(0.352)	21679763537	1.20000	1.198
8 a-BHC	6.997	6.997	(0.410)	16223887839	0.60000	0.6234
9 g-BHC	7.608	7.608	(0.446)	14932527728	0.60000	0.6165
10 b-BHC	7.751	7.751	(0.454)	6022274141	0.60000	0.6035
11 d-BHC	8.284	8.284	(0.485)	12633759804	0.60000	0.5618
12 Heptachlor	8.396	8.396	(0.492)	13425412613	0.60000	0.6087
13 Aldrin	9.000	9.000	(0.527)	13037030314	0.60000	0.6067
14 Heptachlor Epoxide	10.012	10.012	(0.587)	11142028899	0.60000	0.6021
15 g-Chlordane	10.326	10.326	(0.605)	11649746709	0.60000	0.5973
16 a-Chlordane	10.566	10.566	(0.619)	10958765969	0.60000	0.5950
17 Endosulfan I	10.663	10.663	(0.625)	9648292560	0.60000	0.5810
18 DDE	10.834	10.834	(0.635)	10633887324	0.60000	0.6021
19 Dieldrin	11.098	11.098	(0.650)	10864467144	0.60000	0.5996
20 Endrin	11.568	11.568	(0.678)	9567820566	0.60000	0.5959
21 DDD	11.725	11.725	(0.687)	8663538868	0.60000	0.6184
22 Endosulfan II	11.884	11.884	(0.696)	8224184681	0.60000	0.5537
23 DDT	12.180	12.180	(0.714)	8234945610	0.60000	0.5566
24 Endrin Aldehyde	12.373	12.373	(0.725)	6928154556	0.60000	0.5918
25 Endosulfan Sulfate	12.764	12.764	(0.748)	7336207006	0.60000	0.5601
26 Methoxychlor	13.132	13.132	(0.769)	31741407214	6.00000	5.782
27 Endrin Ketone	13.502	13.502	(0.791)	8638328550	0.60000	0.5863

AMOUNTS						
Compounds	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 28 DCB	15.398	15.398	(0.902)	13026311163	1.20000	1.142
* 29 Decachlorodiphenyl Ether	17.069	17.069	(1.000)	18677125180	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 17-JUL-2009

Lab File ID: P071704.d

Calibration Time: 18:55

Lab Smp Id: 1685-135A-0.6 pest

Client Smp ID: CCV

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/17Jul2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	18677125180	9338562590	37354250361	18677125180	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.07	16.57	17.57	17.07	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: /chem/gcp.i/17Jul2009.b/P071704.d

Date : 17-JUL-2009 18:55

Client ID: CCV

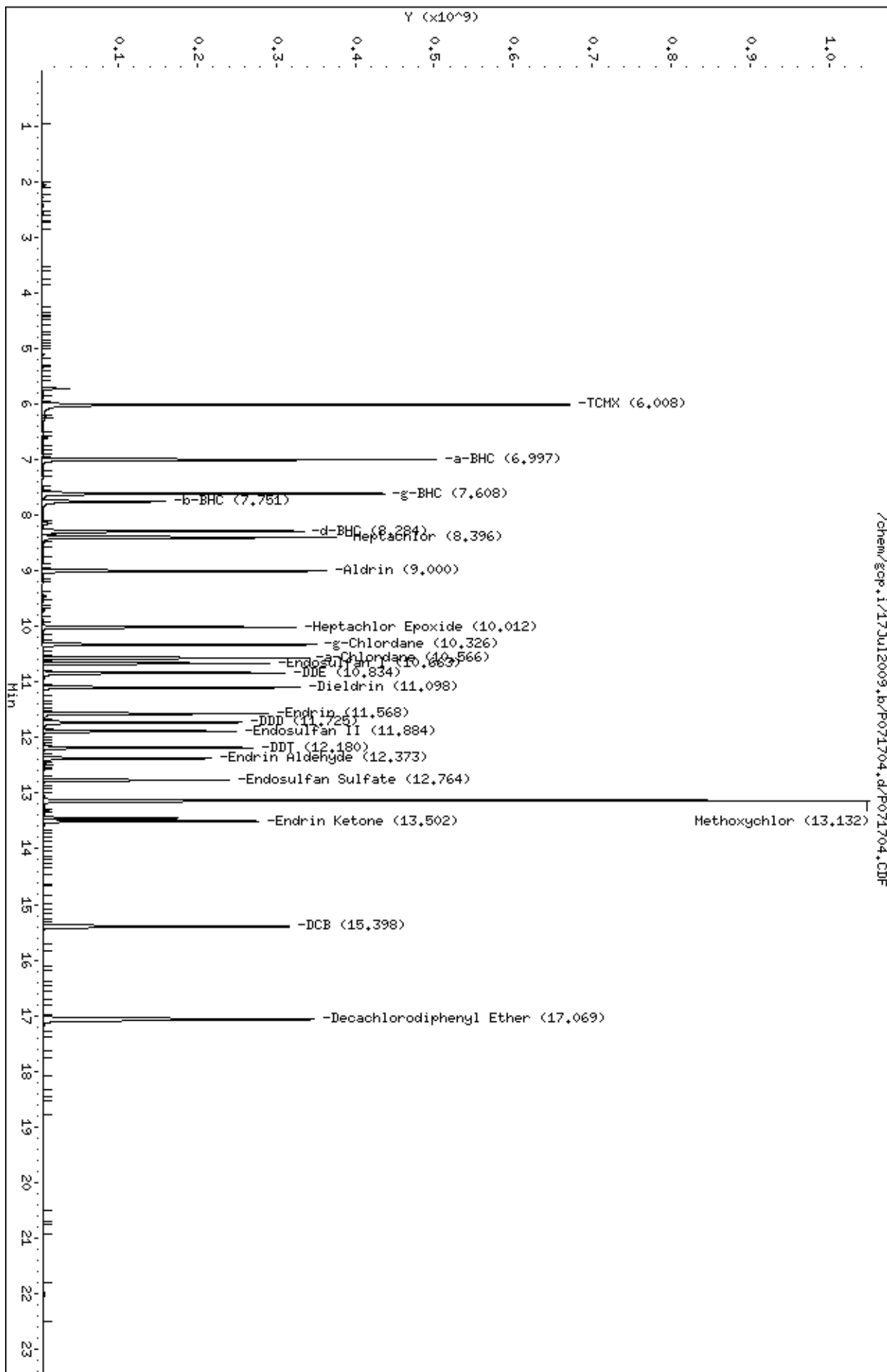
Sample Info:

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcp.i

Injection Date: 17-JUL-2009 18:55

Lab File ID: P071704b.d

Init. Cal. Date(s): 19-MAY-2009 19-MAY-2009

Analysis Type: AIR

Init. Cal. Times: 17:30 20:37

Lab Sample ID: 1685-135A-0.6 pest

Quant Type: ISTD

Method: /chem/gcp.i/17Jul2009.b/p0910519.m/p0920519.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF0.600	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
=====	=====	=====	=====	=====	=====	=====
\$ 2 TCMX	1.57624	1.64342	0.010	-4.26227	15.00000	Averaged
8 a-BHC	2.15278	2.29357	0.010	-6.53952	15.00000	Averaged
9 g-BHC	2.01104	2.11517	0.010	-5.17799	15.00000	Averaged
10 b-BHC	0.80831	0.84484	0.010	-4.51979	15.00000	Averaged
11 d-BHC	1.89263	1.77143	0.010	6.40383	15.00000	Averaged
12 Heptachlor	1.85582	1.88687	0.010	-1.67311	15.00000	Averaged
13 Aldrin	1.79703	1.87213	0.010	-4.17904	15.00000	Averaged
14 Heptachlor Epoxide	1.59111	1.64664	0.010	-3.49022	15.00000	Averaged
15 g-Chlordane	1.68041	1.73489	0.010	-3.24226	15.00000	Averaged
16 a-Chlordane	1.61821	1.66283	0.010	-2.75763	15.00000	Averaged
18 Endosulfan I	1.50833	1.49910	0.010	0.61231	15.00000	Averaged
17 DDE	1.48879	1.58600	0.010	-6.52950	15.00000	Averaged
19 Dieldrin	1.62685	1.66000	0.010	-2.03766	15.00000	Averaged
20 Endrin	1.44313	1.43696	0.010	0.42766	15.00000	Averaged
21 DDD	1.27947	1.25516	0.010	1.90004	15.00000	Averaged
22 Endosulfan II	1.36886	1.28107	0.010	6.41361	15.00000	Averaged
23 DDT	1.41489	1.33234	0.010	5.83392	15.00000	Averaged
24 Endrin Aldehyde	1.14935	1.11845	0.010	2.68864	15.00000	Averaged
26 Endosulfan Sulfate	1.26084	1.13966	0.010	9.61094	15.00000	Averaged
25 Methoxychlor	0.63055	0.56053	0.010	11.10475	15.00000	Averaged
27 Endrin Ketone	1.57006	1.50447	0.010	4.17733	15.00000	Averaged
\$ 28 DCB	1.25882	1.21083	0.010	3.81240	15.00000	Averaged

Average %D / Drift Results.	
=====	
Calculated Average %D/Drift =	4.42702
Maximun Average %D/Drift =	15.00000
* Passed Average %D/Drift Test.	

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/17Jul2009.b/P071704b.d
Lab Smp Id: 1685-135A-0.6 pestClient Smp ID: CCV
Inj Date : 17-JUL-2009 18:55
Operator : rnInst ID: gcp.i
Smp Info :
Misc Info : None
Comment : Back column, Rtx-CLPesticides
Method : /chem/gcp.i/17Jul2009.b/p0910519.m/p0920519.m
Meth Date : 20-Jul-2009 08:54 lzhangQuant Type: ISTD
Cal Date : 19-MAY-2009 20:37Cal File: P051912b.d
Als bottle: 1Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

					AMOUNTS	
					CAL-AMT	ON-COL
					(ug)	(ug)
Compounds	RT	EXP RT	REL RT	RESPONSE		
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.828	5.828	(0.371)	8646541730	1.20000	1.251
8 a-BHC	6.701	6.701	(0.427)	6033564912	0.60000	0.6392
9 g-BHC	7.222	7.222	(0.460)	5564276855	0.60000	0.6311
10 b-BHC	7.365	7.365	(0.469)	2222487545	0.60000	0.6271
11 d-BHC	7.679	7.679	(0.489)	4660003346	0.60000	0.5616
12 Heptachlor	8.041	8.041	(0.512)	4963702488	0.60000	0.6100
13 Aldrin	8.588	8.588	(0.547)	4924906112	0.60000	0.6251
14 Heptachlor Epoxide	9.670	9.670	(0.616)	4331726976	0.60000	0.6209
15 g-Chlordane	9.881	9.881	(0.629)	4563891104	0.60000	0.6194
16 a-Chlordane	10.102	10.102	(0.644)	4374320002	0.60000	0.6165
18 Endosulfan I	10.332	10.332	(0.658)	3943601579	0.60000	0.5963
17 DDE	10.218	10.218	(0.651)	4172210067	0.60000	0.6392
19 Dieldrin	10.715	10.715	(0.683)	4366865037	0.60000	0.6122
20 Endrin	11.079	11.079	(0.706)	3780144474	0.60000	0.5974
21 DDD	11.162	11.162	(0.711)	3301893356	0.60000	0.5886
22 Endosulfan II	11.419	11.419	(0.727)	3370033936	0.60000	0.5615
23 DDT	11.577	11.577	(0.738)	3504923984	0.60000	0.5650
24 Endrin Aldehyde	12.029	12.029	(0.766)	2942244480	0.60000	0.5839
26 Endosulfan Sulfate	12.643	12.643	(0.805)	2998054078	0.60000	0.5423
25 Methoxychlor	12.259	12.259	(0.781)	14745587359	6.00000	5.334
27 Endrin Ketone	13.031	13.031	(0.830)	3957731648	0.60000	0.5749

AMOUNTS						
Compounds	RT	EXP RT	REL RT	RESPONSE	CAL-AMT	ON-COL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 28 DCB	14.377	14.377	(0.916)	6370521040	1.20000	1.154
* 29 Decachlorodiphenyl Ether	15.697	15.697	(1.000)	8768828706	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 17-JUL-2009

Lab File ID: P071704b.d

Calibration Time: 18:55

Lab Smp Id: 1685-135A-0.6 pest

Client Smp ID: CCV

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/17Jul2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	8768828706	4384414353	17537657412	8768828706	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.70	15.20	16.20	15.70	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: /chem/gcp.i/17Jul2009.b/P071704b.d

Date : 17-JUL-2009 18:55

Client ID: CCV

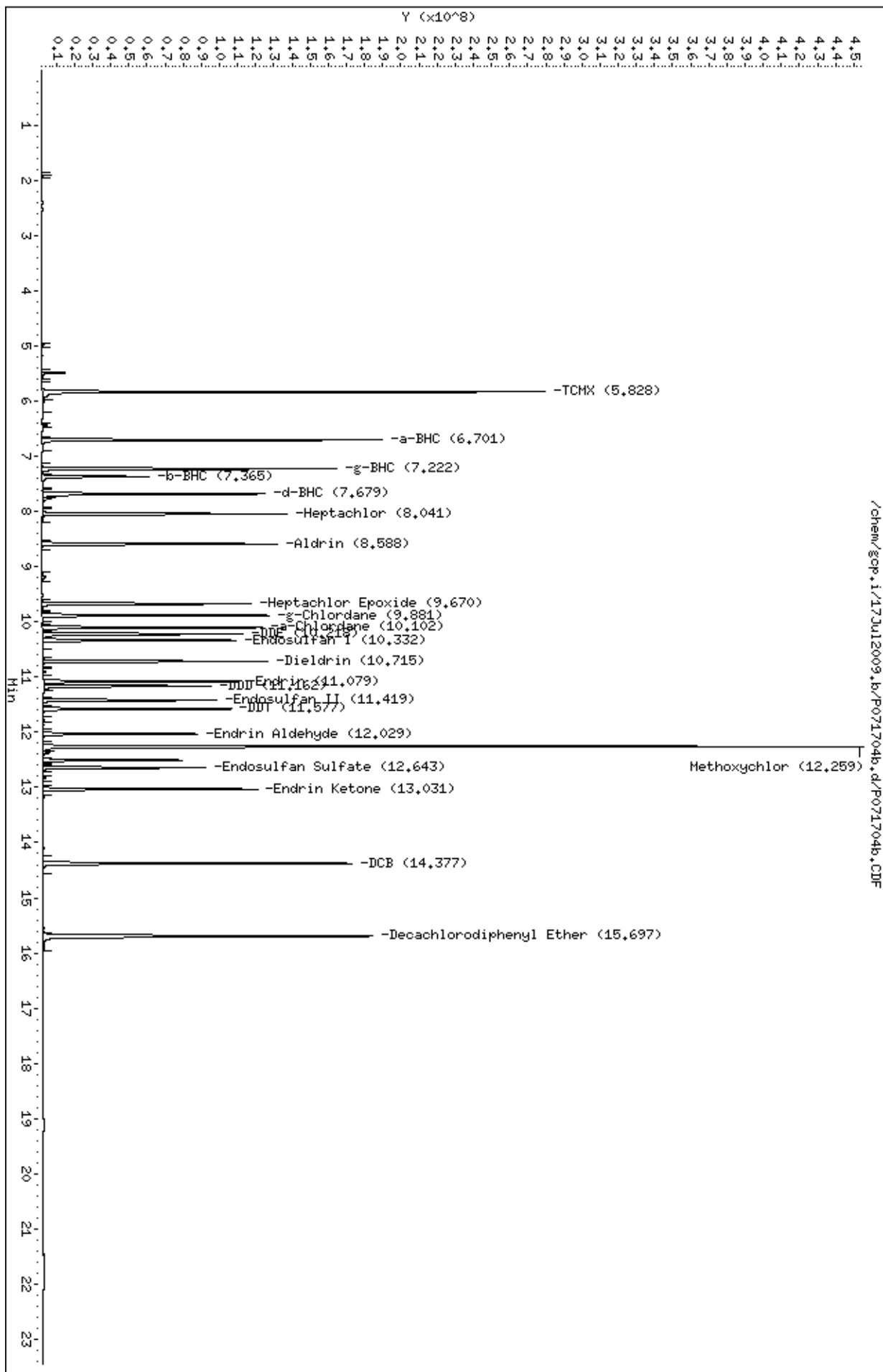
Sample Info:

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcp.i

Injection Date: 17-JUL-2009 19:41

Lab File ID: P071705.d

Init. Cal. Date(s): 22-MAY-2009 22-MAY-2009

Analysis Type: AIR

Init. Cal. Times: 19:06 23:59

Lab Sample ID: 1685-137-3 pcb Quant Type: ISTD

Method: /chem/gcp.i/17Jul2009.b/p09p0522.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF3	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
=====	=====	=====	=====	=====	=====	=====
\$ 2 TCMX	1.55926	1.67372	0.010	-7.34061	15.00000	Averaged
M 3 pcb1016/1242	0.22650	0.23276	0.010	-2.76266	15.00000	Averaged
4 pcb1016/1242-1	0.03648	0.03822	0.010	-4.77626	15.00000	Averaged
5 pcb1016/1242-2	0.09165	0.09209	0.010	-0.48795	15.00000	Averaged
6 pcb1016/1242-3	0.05699	0.06185	0.010	-8.51627	15.00000	Averaged
7 pcb1016/1242-4	0.04139	0.04060	0.010	1.89832	15.00000	Averaged
M 8 pcb1260	0.36669	0.34765	0.010	5.19188	15.00000	Averaged
9 pcb1260-1	0.07592	0.07288	0.010	4.01605	15.00000	Averaged
10 pcb1260-2	0.09265	0.09043	0.010	2.39205	15.00000	Averaged
11 pcb1260-3	0.06766	0.06275	0.010	7.26700	15.00000	Averaged
12 pcb1260-4	0.13045	0.12159	0.010	6.78849	15.00000	Averaged
\$ 38 DCB	1.04743	0.96098	0.010	8.25338	15.00000	Averaged
_____	_____	_____	_____	_____	_____	_____

Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/17Jul2009.b/P071705.d

Lab Smp Id: 1685-137-3 pcbClient Smp ID: CCV

Inj Date : 17-JUL-2009 19:41

Operator : rnInst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/17Jul2009.b/p09p0522.m

Meth Date : 17-Jul-2009 13:30 lzhangQuant Type: ISTD

Cal Date : 22-MAY-2009 19:06Cal File: P052203.d

Als bottle: 1Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: HP GenieCompound Sublist: CCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		CAL-AMT	ON-COL			
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.024	6.024	(0.352)	8758134072	0.60000	0.644
M 3 pcb1016/1242				6089914528	3.00000	3.08
4 pcb1016/1242-1	7.435	7.435	(0.435)	1000028558	3.00000	3.14
5 pcb1016/1242-2	8.237	8.237	(0.482)	2409498664	3.00000	3.01
6 pcb1016/1242-3	8.472	8.472	(0.496)	1618125016	3.00000	3.26
7 pcb1016/1242-4	9.301	9.301	(0.544)	1062262290	3.00000	2.94
M 8 pcb1260				9095765091	3.00000	2.84
9 pcb1260-1	11.362	11.362	(0.665)	1906694364	3.00000	2.88
10 pcb1260-2	11.670	11.670	(0.683)	2366112532	3.00000	2.93
11 pcb1260-3	12.740	12.740	(0.746)	1641676940	3.00000	2.78
12 pcb1260-4	13.077	13.077	(0.765)	3181281254	3.00000	2.80
\$ 38 DCB	15.413	15.413	(0.902)	5028549328	0.60000	0.550
* 39 Decachlorodiphenyl Ether	17.089	17.089	(1.000)	17442469517	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 17-JUL-2009

Lab File ID: P071705.d

Calibration Time: 19:41

Lab Smp Id: 1685-137-3 pcb

Client Smp ID: CCV

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/17Jul2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	17442469517	8721234758	34884939034	17442469517	0.00
-----	-----	-----	-----	-----	-----

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	17.09	16.59	17.59	17.09	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: /chem/gcp.i/17Jul2009.b/P071705.d

Date: 17-JUL-2009 19:41

Client ID: CCV

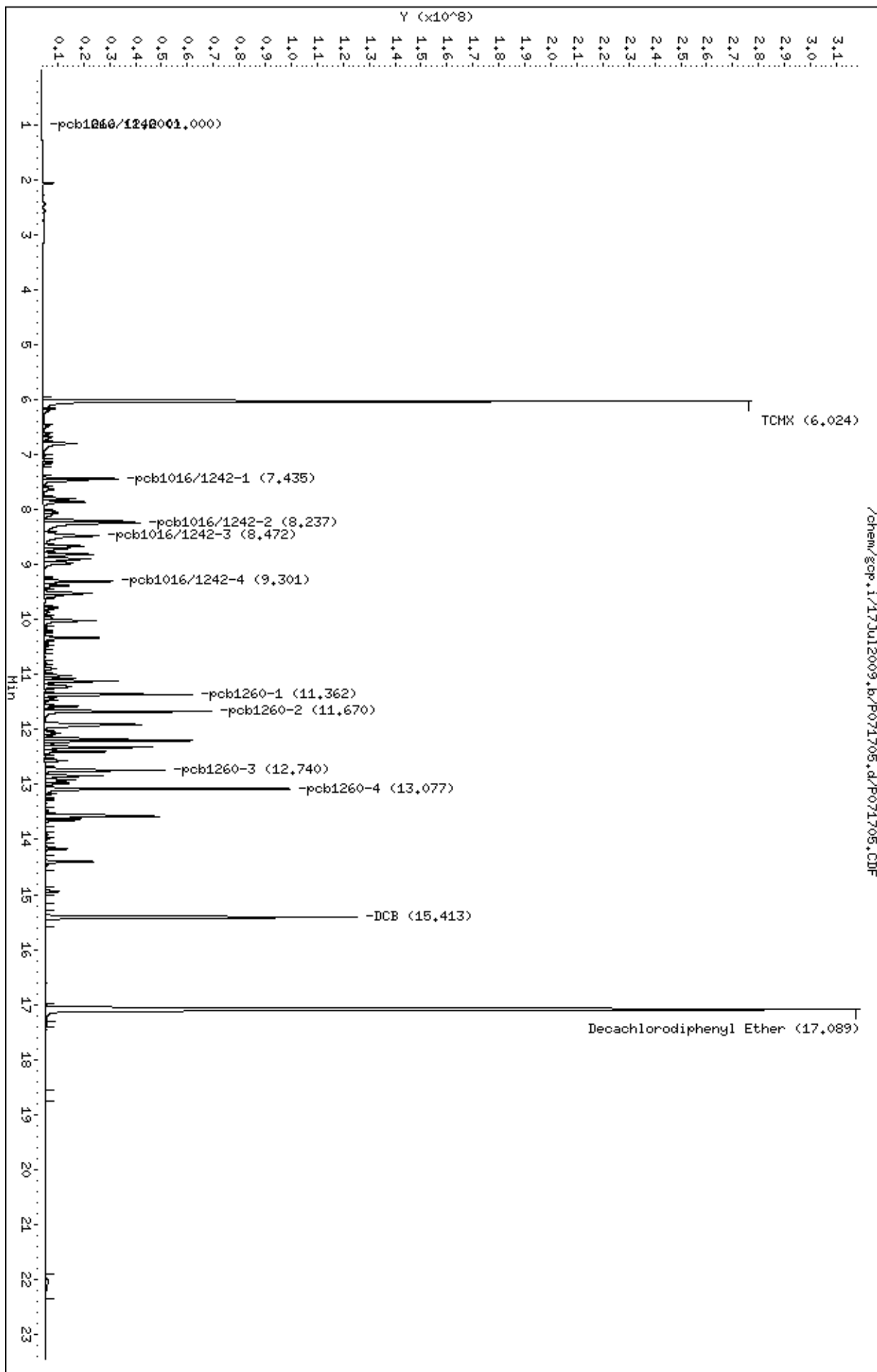
Sample Info:

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcp.i

Injection Date: 17-JUL-2009 19:41

Lab File ID: P071705b.d

Init. Cal. Date(s): 22-MAY-2009 22-MAY-2009

Analysis Type: AIR

Init. Cal. Times: 19:06 23:59

Lab Sample ID: 1685-137-3 pcb Quant Type: ISTD

Method: /chem/gcp.i/17Jul2009.b/p09p0522.m/p09b0522.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF3	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
=====	=====	=====	=====	=====	=====	=====
\$ 2 TCMX	1.39223	1.37012	0.010	1.58803	15.00000	Averaged
M 3 pcb1016/1242	0.19014	0.18931	0.010	0.43828	15.00000	Averaged
4 pcb1016/1242-1	0.04901	0.04951	0.010	-1.02086	15.00000	Averaged
5 pcb1016/1242-2	0.06266	0.06264	0.010	0.02249	15.00000	Averaged
6 pcb1016/1242-3	0.04532	0.04480	0.010	1.14343	15.00000	Averaged
7 pcb1016/1242-4	0.03315	0.03235	0.010	2.41705	15.00000	Averaged
M 8 pcb1260	0.35151	0.33316	0.010	5.22032	15.00000	Averaged
9 pcb1260-1	0.06846	0.06626	0.010	3.21523	15.00000	Averaged
10 pcb1260-2	0.10395	0.10009	0.010	3.71284	15.00000	Averaged
11 pcb1260-3	0.05717	0.05339	0.010	6.61886	15.00000	Averaged
12 pcb1260-4	0.12193	0.11343	0.010	6.97549	15.00000	Averaged
\$ 38 DCB	1.08460	0.97841	0.010	9.79001	15.00000	Averaged
_____	_____	_____	_____	_____	_____	_____

Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/17Jul2009.b/P071705b.d

Lab Smp Id: 1685-137-3 pcbClient Smp ID: CCV

Inj Date : 17-JUL-2009 19:41

Operator : rnInst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Rtx-CLPesticide

Method : /chem/gcp.i/17Jul2009.b/p09p0522.m/p09b0522.m

Meth Date : 17-Jul-2009 13:30 lzhangQuant Type: ISTD

Cal Date : 22-MAY-2009 23:59Cal File: P052214b.d

Als bottle: 1Continuing Calibration Sample

Dil Factor: 1.00000

Integrator: HP GenieCompound Sublist: CCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		AMOUNTS				
		CAL-AMT	ON-COL			
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug/mL)
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.821	5.821	(0.371)	3412053978	0.60000	0.590
M 3 pcb1016/1242				2357192150	3.00000	2.99
4 pcb1016/1242-1	6.914	6.914	(0.440)	616454080	3.00000	3.03
5 pcb1016/1242-2	7.696	7.696	(0.490)	780021885	3.00000	3.00
6 pcb1016/1242-3	7.919	7.919	(0.504)	557877936	3.00000	2.96
7 pcb1016/1242-4	8.626	8.626	(0.550)	402838249	3.00000	2.93
M 8 pcb1260				4148400829	3.00000	2.84
9 pcb1260-1	10.687	10.687	(0.681)	825008211	3.00000	2.90
10 pcb1260-2	11.112	11.112	(0.708)	1246287501	3.00000	2.89
11 pcb1260-3	12.056	12.056	(0.768)	664739377	3.00000	2.80
12 pcb1260-4	12.486	12.486	(0.795)	1412365740	3.00000	2.79
\$ 38 DCB	14.378	14.378	(0.916)	2436567040	0.60000	0.541
* 39 Decachlorodiphenyl Ether	15.697	15.697	(1.000)	8301083065	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 17-JUL-2009

Lab File ID: P071705b.d

Calibration Time: 19:41

Lab Smp Id: 1685-137-3 pcb

Client Smp ID: CCV

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/17Jul2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	8301083065	4150541532	16602166129	8301083065	0.00
-----	-----	-----	-----	-----	-----

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	15.70	15.20	16.20	15.70	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: /chem/gcp.i/17Jul2009.b/P071705b.d

Date : 17-JUL-2009 19:41

Client ID: CCV

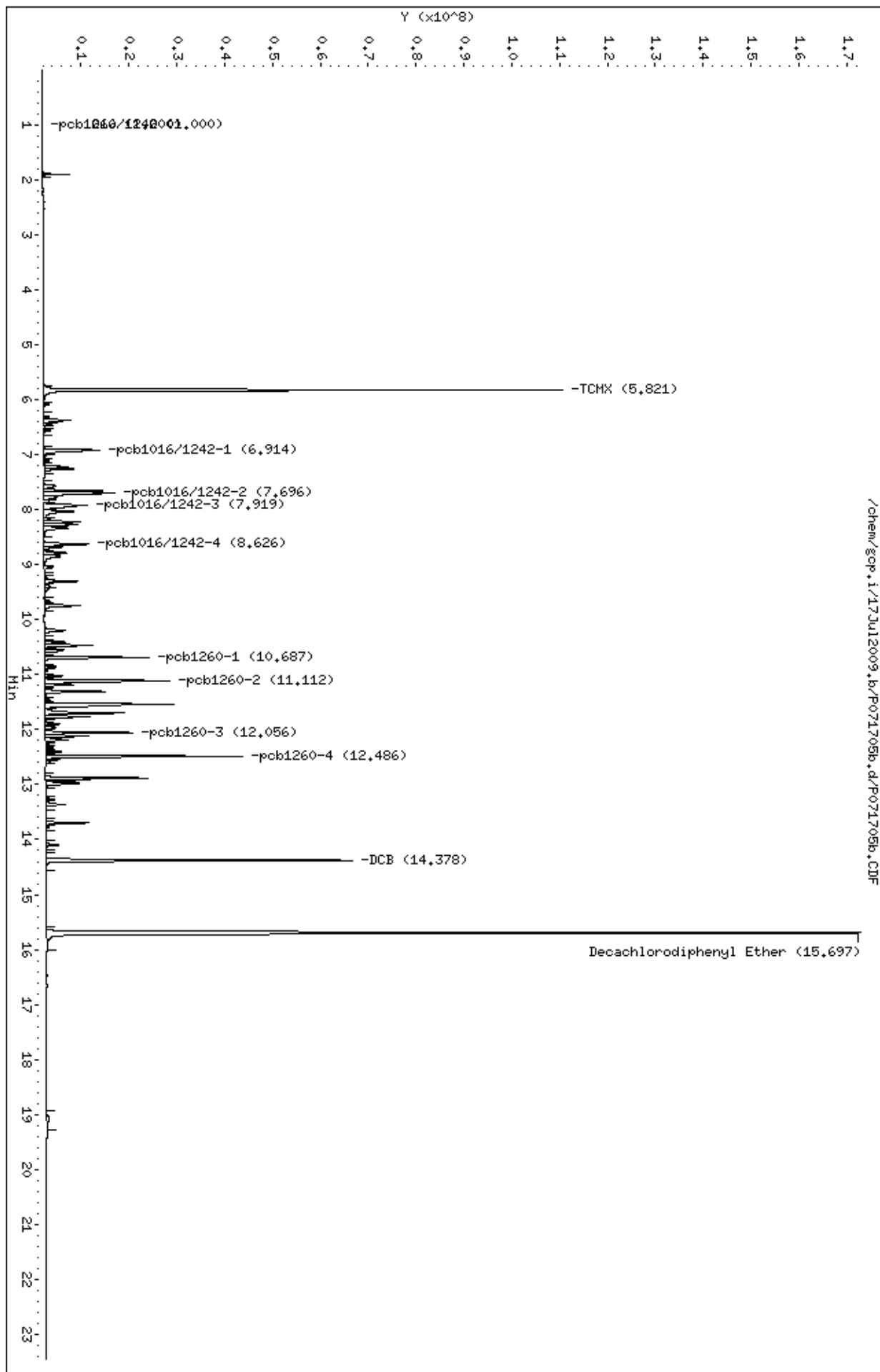
Sample Info:

Instrument: gcp.i

Operator: m

Column diameter: 2.00

Column phase:



Air Toxics Ltd.

TARGET COMPOUNDS

Client Name:Client SDG: 17Jul2009

Lab Smp Id: 1685-137-3 pcbClient Smp ID: CCV

Sample Location:Sample Point:

Sample Date:Date Received:

Sample Matrix: AIRQuant Type: ISTD

Analysis Type: VOALevel: LOW

Data Type: GC DATAOperator: rn

Misc Info: None

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/KG) uG	Q
9999-9999-098---	pcb1016/1242	3.03	
-----	pcb1016/1242-1	3.12	
-----	pcb1016/1242-2	2.96	
-----	pcb1016/1242-3	3.18	
-----	pcb1016/1242-4	2.87	
11096-82-5----	pcb1260	2.70	
-----	pcb1260-1	2.75	
-----	pcb1260-2	2.74	
-----	pcb1260-3	2.66	
-----	pcb1260-4	2.68	
11104-28-2----	pcb1221	1.70	
-----	pcb1221-1	0.945	
-----	pcb1221-2	0.866	
-----	pcb1221-3	1.60	
-----	pcb1221-4	2.22	
11141-16-5----	pcb1232	7.34	
-----	pcb1232-1	6.81	
-----	pcb1232-2	5.47	
-----	pcb1232-3	8.41	
-----	pcb1232-4	8.28	
12672-29-6----	pcb1248	1.00	
-----	pcb1248-1	2.50	
-----	pcb1248-2	0.465	
-----	pcb1248-3	0.320	
-----	pcb1248-4	0.993	
11097-69-1----	pcb1254	1.46	
-----	pcb1254-1	1.40	
-----	pcb1254-2	1.35	
-----	pcb1254-3	0.504	
-----	pcb1254-4	2.54	
=====		=====	=====
877-09-8-----	TCMX	0.618	
2051-24-3-----	DCB	0.538	

Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/17Jul2009.b/P071716.d

Lab Smp Id: 1685-137-3 pcbClient Smp ID: CCV

Inj Date : 18-JUL-2009 01:20

Operator : rnInst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/17Jul2009.b/p09p0522.m

Meth Date : 17-Jul-2009 13:30 lzhangQuant Type: ISTD

Cal Date : 22-MAY-2009 19:06Cal File: P052203.d

Als bottle: 1QC Sample: METHSPIKE

Dil Factor: 1.00000

Integrator: HP GenieCompound Sublist: all_42.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS					
					ON-COLUMN	FINAL	
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		6.013	6.024	(0.352)	8721119585	0.61806	0.618
M 3 pcb1016/1242					6206063929	3.02774	3.03
4 pcb1016/1242-1		7.422	7.435	(0.435)	1030946139	3.12295	3.12
5 pcb1016/1242-2		8.222	8.237	(0.481)	2457546923	2.96325	2.96
6 pcb1016/1242-3		8.457	8.472	(0.495)	1642545787	3.18478	3.18
7 pcb1016/1242-4		9.288	9.301	(0.544)	1075025079	2.87040	2.87
M 8 pcb1260					8978067584	2.70563	2.70
9 pcb1260-1		11.351	11.362	(0.665)	1891160642	2.75248	2.75
10 pcb1260-2		11.659	11.670	(0.683)	2298875444	2.74185	2.74
11 pcb1260-3		12.731	12.740	(0.746)	1627966071	2.65871	2.66
12 pcb1260-4		13.068	13.077	(0.765)	3160065427	2.67696	2.68
M 13 pcb1221					1128520211	1.70466	1.70
14 pcb1221-1		6.150	6.165	(0.360)	68090457	0.94538	0.945
15 pcb1221-2		6.463	6.477	(0.378)	125568649	0.86621	0.866
16 pcb1221-3		6.683	6.698	(0.391)	136268654	1.60301	1.60

CONCENTRATIONS						
Compounds	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
					(ug/mL)	(uG)
=====	==	=====	=====	=====	=====	=====
17 pcb1221-4	6.781	6.794	(0.397)	798592450	2.21816	2.22
M 18 pcb1232				2847490898	7.33701	7.34
19 pcb1232-1	7.845	7.863	(0.459)	707103108	6.81389	6.81
20 pcb1232-2	8.695	8.714	(0.509)	441211526	5.46937	5.47
21 pcb1232-3	8.798	8.817	(0.515)	842120334	8.41347	8.41
22 pcb1232-4	8.881	8.900	(0.520)	857055928	8.27558	8.28
M 28 pcb1248				1183725790	1.00060	1.00
29 pcb1248-1	8.958	8.977	(0.525)	732827733	2.50276	2.50
30 pcb1248-2	9.847	9.866	(0.577)	115435070	0.46510	0.465
31 pcb1248-3	9.951	9.971	(0.583)	143861668	0.32033	0.320
32 pcb1248-4	10.879	10.897	(0.637)	191601318	0.99327	0.993
M 33 pcb1254				4228764640	1.46475	1.46
34 pcb1254-1	10.005	10.024	(0.586)	895708979	1.40013	1.40
35 pcb1254-2	10.316	10.334	(0.604)	819703188	1.35103	1.35
36 pcb1254-3	11.060	11.078	(0.648)	408486003	0.50371	0.504
37 pcb1254-4	12.191	12.206	(0.714)	2104866468	2.53720	2.54
\$ 38 DCB	15.405	15.413	(0.902)	5102583494	0.53833	0.538
* 39 Decachlorodiphenyl Ether	17.078	17.089	(1.000)	18098827840	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 17-JUL-2009

Lab File ID: P071716.d

Calibration Time: 19:41

Lab Smp Id: 1685-137-3 pcb

Client Smp ID: CCV

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/17Jul2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	17442469517	8721234758	34884939034	18098827840	3.76

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	17.09	16.59	17.59	17.08	-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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 17Jul2009
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 1685-137-3 pcb Client Smp ID: CCV
Level: LOW Operator: rn
Data Type: GC DATA SampleType: METHSPIKE
SpikeList File: CCV10.spk Quant Type: ISTD
Sublist File: all_42.sub
Method File: /chem/gcp.i/17Jul2009.b/p09p0522.m
Misc Info: None

SPIKE COMPOUND		CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$	2 TCMX	0.600	0.618	103.01	85-115
M	3 pcb1016/1242	3.00	3.03	100.92	85-115
	4 pcb1016/1242-1	3.00	3.12	104.10	85-115
	5 pcb1016/1242-2	3.00	2.96	98.77	85-115
	6 pcb1016/1242-3	3.00	3.18	106.16	85-115
	7 pcb1016/1242-4	3.00	2.87	95.68	85-115
M	8 pcb1260	3.00	2.70	90.19	85-115
	9 pcb1260-1	3.00	2.75	91.75	85-115
	10 pcb1260-2	3.00	2.74	91.40	85-115
	11 pcb1260-3	3.00	2.66	88.62	85-115
	12 pcb1260-4	3.00	2.68	89.23	85-115
\$	38 DCB	0.600	0.538	89.72	85-115

SURROGATE COMPOUND		CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$	2 TCMX	0.600	0.618	103.01	60-120
\$	38 DCB	0.600	0.538	89.72	60-120

Report Date: 20-Jul-2009 08:42

Air Toxics Ltd.

TARGET COMPOUNDS

Client Name:	Client SDG: 17Jul2009
Lab Smp Id: 1685-137-3 pcb	Client Smp ID: CCV
Sample Location:	Sample Point:
Sample Date:	Date Received:
Sample Matrix: AIR	Quant Type: ISTD
Analysis Type: VOA	Level: LOW
Data Type: GC DATA	Operator: rn
Misc Info: None	

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) uG	Q
x9999-9999-098--	pcb1016/1242	2.99	
-----	pcb1016/1242-1	3.02	
-----	pcb1016/1242-2	3.02	
-----	pcb1016/1242-3	2.96	
-----	pcb1016/1242-4	2.94	
x11096-82-5----	pcb1260	2.80	
-----	pcb1260-1	2.88	
-----	pcb1260-2	2.85	
-----	pcb1260-3	2.76	
-----	pcb1260-4	2.72	
x11104-28-2----	pcb1221	1.50	
-----	pcb1221-1	1.00	U
-----	pcb1221-2	1.03	
-----	pcb1221-3	8.30	
-----	pcb1221-4	0.598	J
x11141-16-5----	pcb1232	7.54	
-----	pcb1232-1	6.57	
-----	pcb1232-2	7.11	
-----	pcb1232-3	8.68	
-----	pcb1232-4	8.02	
x12672-29-6----	pcb1248	1.92	
-----	pcb1248-1	2.44	
-----	pcb1248-2	3.49	
-----	pcb1248-3	0.375	J
-----	pcb1248-4	3.26	
x11097-69-1----	pcb1254	1.62	
-----	pcb1254-1	0.144	J
-----	pcb1254-2	1.15	
-----	pcb1254-3	0.525	J
-----	pcb1254-4	3.97	
=====	=====	=====	=====
x877-09-8-----	TCMX	0.592	
x2051-24-3-----	DCB	0.532	

Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/17Jul2009.b/P071716b.d

Lab Smp Id: 1685-137-3 pcbClient Smp ID: CCV

Inj Date : 18-JUL-2009 01:20

Operator : rnInst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Rtx-CLPesticide

Method : /chem/gcp.i/17Jul2009.b/p09p0522.m/p09b0522.m

Meth Date : 17-Jul-2009 13:30 lzhangQuant Type: ISTD

Cal Date : 22-MAY-2009 23:59Cal File: P052214b.d

Als bottle: 1QC Sample: METHSPIKE

Dil Factor: 1.00000

Integrator: HP GenieCompound Sublist: all_42.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS					
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(ug)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		5.835	5.821	(0.372)	3682794333	0.59194	0.592
M 3 pcb1016/1242					2542872006	2.99270	2.99
4 pcb1016/1242-1		6.928	6.914	(0.441)	662600289	3.02554	3.02
5 pcb1016/1242-2		7.710	7.696	(0.491)	844567695	3.01628	3.02
6 pcb1016/1242-3		7.933	7.919	(0.505)	599834151	2.96168	2.96
7 pcb1016/1242-4		8.640	8.626	(0.550)	435869868	2.94199	2.94
M 8 pcb1260					4393480246	2.79695	2.80
9 pcb1260-1		10.697	10.687	(0.681)	879666342	2.87546	2.88
10 pcb1260-2		11.121	11.112	(0.708)	1326031179	2.85460	2.85
11 pcb1260-3		12.064	12.056	(0.768)	704023663	2.75573	2.76
12 pcb1260-4		12.493	12.486	(0.795)	1483759060	2.72304	2.72
M 13 pcb1221					398707851	1.50223	1.50
14 pcb1221-1		Compound Not Detected.					
15 pcb1221-2		6.091	6.191	(0.388)	60947756	1.03220	1.03
16 pcb1221-3		6.384	6.348	(0.406)	256406379	8.30275	8.30

CONCENTRATIONS						
Compounds	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
					(ug/mL)	(uG)
=====	==	=====	=====	=====	=====	=====
17 pcb1221-4	6.442	6.488	(0.410)	81353715	0.59807	0.598(a)
M 18 pcb1232				1303007500	7.54059	7.54
19 pcb1232-1	7.272	7.394	(0.463)	258522492	6.57402	6.57
20 pcb1232-2	8.045	8.069	(0.512)	396673727	7.10664	7.11
21 pcb1232-3	8.235	8.254	(0.524)	327291486	8.67711	8.68
22 pcb1232-4	8.283	8.302	(0.527)	320519793	8.02543	8.02
M 28 pcb1248				904325825	1.92382	1.92
29 pcb1248-1	8.349	8.485	(0.532)	283278487	2.43974	2.44
30 pcb1248-2	9.315	9.295	(0.593)	313543337	3.48915	3.49
31 pcb1248-3	9.405	9.417	(0.599)	72037658	0.37526	0.375(a)
32 pcb1248-4	10.207	10.255	(0.650)	235466341	3.26456	3.26
M 33 pcb1254				2044502193	1.61779	1.62
34 pcb1254-1	9.257	9.345	(0.589)	31813149	0.14439	0.144(a)
35 pcb1254-2	9.756	9.801	(0.621)	381827338	1.15443	1.15
36 pcb1254-3	10.418	10.432	(0.663)	182904152	0.52510	0.525(a)
37 pcb1254-4	11.547	11.593	(0.735)	1447957552	3.97402	3.97
\$ 38 DCB	14.384	14.378	(0.916)	2576179613	0.53152	0.532
* 39 Decachlorodiphenyl Ether	15.705	15.697	(1.000)	8937474385	2.00000	

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 17-JUL-2009

Lab File ID: P071716b.d

Calibration Time: 19:41

Lab Smp Id: 1685-137-3 pcb

Client Smp ID: CCV

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/17Jul2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	8301083065	4150541532	16602166129	8937474385	7.67
-----	-----	-----	-----	-----	-----

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 17Jul2009
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 1685-137-3 pcb Client Smp ID: CCV
Level: LOW Operator: rn
Data Type: GC DATA SampleType: METHSPIKE
SpikeList File: CCV10.spk Quant Type: ISTD
Sublist File: all_42.sub
Method File: /chem/gcp.i/17Jul2009.b/p09p0522.m/p09b0522.m
Misc Info: None

SPIKE COMPOUND	CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$ 2 TCMX	0.600	0.592	98.66	85-115
M 3 pcb1016/1242	3.00	2.99	99.76	85-115
4 pcb1016/1242-1	3.00	3.02	100.85	85-115
5 pcb1016/1242-2	3.00	3.02	100.54	85-115
6 pcb1016/1242-3	3.00	2.96	98.72	85-115
7 pcb1016/1242-4	3.00	2.94	98.07	85-115
M 8 pcb1260	3.00	2.80	93.23	85-115
9 pcb1260-1	3.00	2.88	95.85	85-115
10 pcb1260-2	3.00	2.85	95.15	85-115
11 pcb1260-3	3.00	2.76	91.86	85-115
12 pcb1260-4	3.00	2.72	90.77	85-115
\$ 38 DCB	0.600	0.532	88.59	85-115

SURROGATE COMPOUND	CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$ 2 TCMX	0.600	0.592	98.66	60-120
\$ 38 DCB	0.600	0.532	88.59	60-120

Data File: /chem/gcp.i/17Jul2009.b/P071716b.d

Date : 18-JUL-2009 01:20

Client ID: CCV

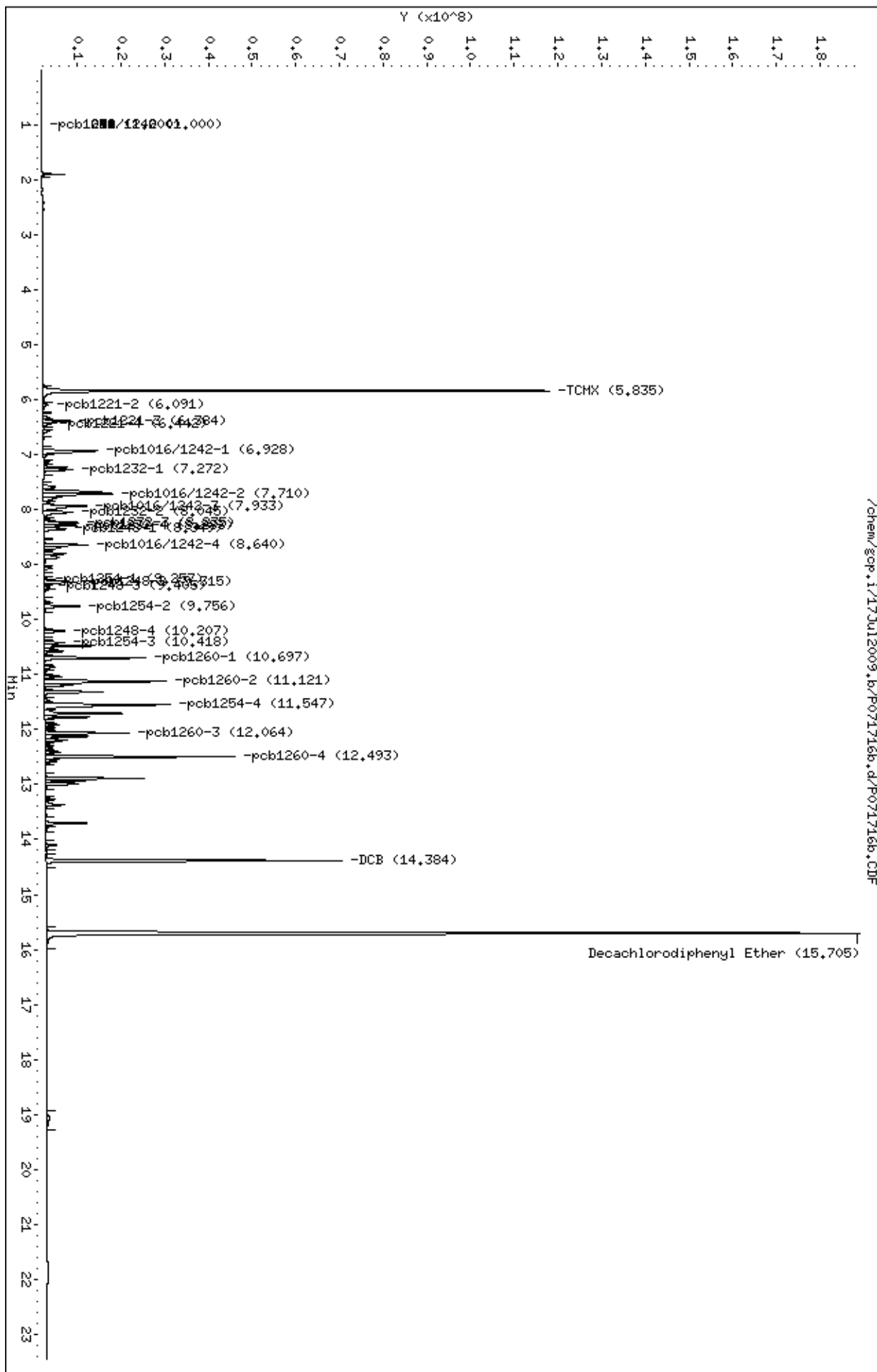
Sample Info:

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

TARGET COMPOUNDS

Client Name:Client SDG: 17Jul2009

Lab Smp Id: 0685-135A-0.6 pestClient Smp ID: CCV

Sample Location:Sample Point:

Sample Date:Date Received:

Sample Matrix: AIRQuant Type: ISTD

Analysis Type:Level: LOW

Data Type: GC DATAOperator: rn

Misc Info: None

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/KG) ug	Q
319-84-6-----a-BHC_____		0.6132	E
58-89-9-----g-BHC_____		0.6063	
319-85-7-----b-BHC_____		0.5822	E
319-86-8-----d-BHC_____		0.5756	E
76-44-8-----Heptachlor_____		0.5953	
309-00-2-----Aldrin_____		0.5915	
1024-57-3-----Heptachlor Epoxide_____		0.5854	E
5103-74-2-----g-Chlordane_____		0.5784	E
5103-71-9-----a-Chlordane_____		0.5748	E
959-98-8-----Endosulfan I_____		0.5647	E
72-55-9-----DDE_____		0.5858	E
60-57-1-----Dieldrin_____		0.5833	
72-20-8-----Endrin_____		0.5858	
72-54-8-----DDD_____		0.6134	E
33213-65-9-----Endosulfan II_____		0.5380	E
50-29-3-----DDT_____		0.5386	
7421-93-4-----Endrin Aldehyde_____		0.5757	E
1031-07-8-----Endosulfan Sulfate_____		0.5640	E
72-43-5-----Methoxychlor_____		5.743	E
53494-70-5-----Endrin Ketone_____		0.5658	E
=====		=====	=====
877-09-8-----TCMX_____		1.182	
2051-24-3-----DCB_____		1.129	

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/17Jul2009.b/P071717.d

Lab Smp Id: 0685-135A-0.6 pestClient Smp ID: CCV

Inj Date : 18-JUL-2009 01:46

Operator : rnInst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Front column, Rtx-CLPesticides II

Method : /chem/gcp.i/17Jul2009.b/p0910519.m

Meth Date : 20-Jul-2009 08:54 lzhangQuant Type: ISTD

Cal Date : 19-MAY-2009 20:37Cal File: P051912.d

Als bottle: 1QC Sample: METHSPIKE

Dil Factor: 1.00000

Integrator: HP GenieCompound Sublist: pestCCV.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS					
					ON-COLUMN	FINAL	
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====		==	=====	=====	=====	=====	=====
\$ 2	TCMX	6.011	6.008	(0.352)	21822221564	1.18233	1.182
8	a-BHC	7.000	6.997	(0.410)	16286078753	0.61325	0.6132
9	g-BHC	7.611	7.608	(0.446)	14984443405	0.60631	0.6063
10	b-BHC	7.755	7.751	(0.454)	5928697244	0.58222	0.5822
11	d-BHC	8.288	8.284	(0.485)	13208083588	0.57563	0.5756
12	Heptachlor	8.400	8.396	(0.492)	13398757788	0.59531	0.5953
13	Aldrin	9.004	9.000	(0.527)	12969785550	0.59151	0.5915
14	Heptachlor Epoxide	10.016	10.012	(0.587)	11054635441	0.58541	0.5854
15	g-Chlordane	10.329	10.326	(0.605)	11511782030	0.57840	0.5784
16	a-Chlordane	10.569	10.566	(0.619)	10803793232	0.57484	0.5748
17	Endosulfan I	10.667	10.663	(0.625)	9568671773	0.56467	0.5647
18	DDE	10.837	10.834	(0.635)	10558343079	0.58585	0.5858
19	Dieldrin	11.101	11.098	(0.650)	10784007211	0.58326	0.5833
20	Endrin	11.571	11.568	(0.678)	9597946538	0.58582	0.5858
21	DDD	11.728	11.725	(0.687)	8768145745	0.61337	0.6134
22	Endosulfan II	11.888	11.884	(0.696)	8153514108	0.53800	0.5380
23	DDT	12.183	12.180	(0.713)	8130001535	0.53855	0.5386
24	Endrin Aldehyde	12.377	12.373	(0.725)	6877156047	0.57566	0.5757
25	Endosulfan Sulfate	12.768	12.764	(0.748)	7538813795	0.56402	0.5640
26	Methoxychlor	13.135	13.132	(0.769)	32171473266	5.74348	5.743
27	Endrin Ketone	13.506	13.502	(0.791)	8505874899	0.56579	0.5658

Compounds	CONCENTRATIONS					
				ON-COLUMN		FINAL
	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 28 DCB	15.403	15.398	(0.902)	13149984800	1.12930	1.129
* 29 Decachlorodiphenyl Ether	17.076	17.069	(1.000)	19058401311	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 17-JUL-2009

Lab File ID: P071717.d

Calibration Time: 18:55

Lab Smp Id: 0685-135A-0.6 pest

Client Smp ID: CCV

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/17Jul2009.b/p0910519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	18677125180	9338562590	37354250361	19058401311	2.04

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.07	16.57	17.57	17.08	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 17Jul2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 0685-135A-0.6 pest	Client Smp ID: CCV
Level: LOW	Operator: rn
Data Type: GC DATA	SampleType: METHSPIKE
SpikeList File: CCV-1.spk	Quant Type: ISTD
Sublist File: pestCCV.sub	
Method File: /chem/gcp.i/17Jul2009.b/p0910519.m	
Misc Info: None	

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	1.200	1.182	98.53	85-115
8 a-BHC	0.6000	0.6132	102.21	85-115
10 b-BHC	0.6000	0.5822	97.04	85-115
9 g-BHC	0.6000	0.6063	101.05	85-115
11 d-BHC	0.6000	0.5756	95.94	85-115
12 Heptachlor	0.6000	0.5953	99.22	85-115
13 Aldrin	0.6000	0.5915	98.58	85-115
14 Heptachlor Epoxide	0.6000	0.5854	97.57	85-115
17 Endosulfan I	0.6000	0.5647	94.11	85-115
18 DDE	0.6000	0.5858	97.64	85-115
19 Dieldrin	0.6000	0.5833	97.21	85-115
20 Endrin	0.6000	0.5858	97.64	85-115
22 Endosulfan II	0.6000	0.5380	89.67	85-115
21 DDD	0.6000	0.6134	102.23	85-115
24 Endrin Aldehyde	0.6000	0.5757	95.94	85-115
25 Endosulfan Sulfate	0.6000	0.5640	94.00	85-115
23 DDT	0.6000	0.5386	89.76	85-115
27 Endrin Ketone	0.6000	0.5658	94.30	85-115
16 a-Chlordane	0.6000	0.5748	95.81	85-115
15 g-Chlordane	0.6000	0.5784	96.40	85-115
26 Methoxychlor	6.000	5.743	95.72	85-115
169 Mirex	0.6000	0.000	*	85-115
\$ 28 DCB	1.200	1.129	94.11	85-115

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	0.6000	1.182	98.53	60-120
\$ 28 DCB	0.6000	1.129	94.11	60-120

Data File: /chem/gcp.i/17Jul2009.b/P071717.d

Date : 18-JUL-2009 01:46

Client ID: CCV

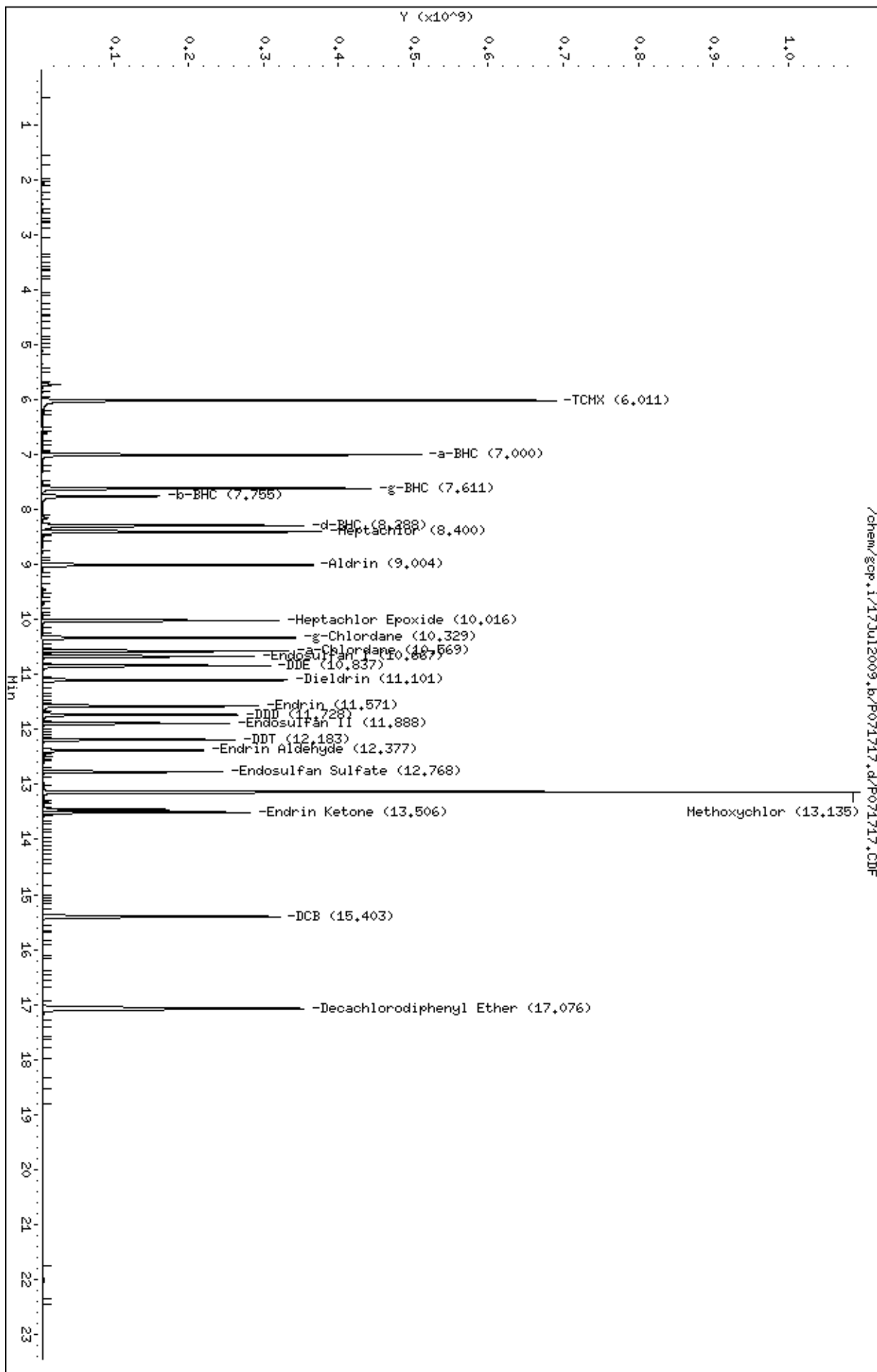
Sample Info:

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Air Toxics Ltd.

TARGET COMPOUNDS

Client Name:Client SDG: 17Jul2009

Lab Smp Id: 0685-135A-0.6 pestClient Smp ID: CCV

Sample Location:Sample Point:

Sample Date:Date Received:

Sample Matrix: AIRQuant Type: ISTD

Analysis Type:Level: LOW

Data Type: GC DATAOperator: rn

Misc Info: None

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/KG) ug	Q
x319-84-6-----a-BHC		0.6430	E
x58-89-9-----g-BHC		0.6326	
x319-85-7-----b-BHC		0.6237	E
x319-86-8-----d-BHC		0.5884	E
x76-44-8-----Heptachlor		0.6098	
x309-00-2-----Aldrin		0.6193	
x1024-57-3-----Heptachlor Epoxide		0.6112	E
x5103-74-2-----g-Chlordane		0.6104	E
x5103-71-9-----a-Chlordane		0.6059	E
x959-98-8-----Endosulfan I		0.5841	E
x72-55-9-----DDE		0.6349	E
x60-57-1-----Dieldrin		0.6075	
x72-20-8-----Endrin		0.6104	
x72-54-8-----DDD		0.6336	E
x33213-65-9-----Endosulfan II		0.5560	E
x50-29-3-----DDT		0.5605	
x7421-93-4-----Endrin Aldehyde		0.5764	E
x1031-07-8-----Endosulfan Sulfate		0.5621	E
x72-43-5-----Methoxychlor		5.336	E
x53494-70-5-----Endrin Ketone		0.5653	E
=====		=====	=====
x877-09-8-----TCMX		1.264	
x2051-24-3-----DCB		1.139	

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/17Jul2009.b/P071717b.d
Lab Smp Id: 0685-135A-0.6 pestClient Smp ID: CCV
Inj Date : 18-JUL-2009 01:46
Operator : rnInst ID: gcp.i
Smp Info :
Misc Info : None
Comment : Back column, Rtx-CLPesticides
Method : /chem/gcp.i/17Jul2009.b/p0910519.m/p0920519.m
Meth Date : 20-Jul-2009 08:54 lzhangQuant Type: ISTD
Cal Date : 19-MAY-2009 20:37Cal File: P051912b.d
Als bottle: 1QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: pestCCV.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

				CONCENTRATIONS		
				ON-COLUMN	FINAL	
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.833	5.828	(0.371)	9411306336	1.26373	1.264
8 a-BHC	6.707	6.701	(0.427)	6540594624	0.64305	0.6430
9 g-BHC	7.229	7.222	(0.460)	6010223010	0.63255	0.6326
10 b-BHC	7.371	7.365	(0.469)	2381951033	0.62371	0.6237
11 d-BHC	7.685	7.679	(0.489)	5261227474	0.58837	0.5884
12 Heptachlor	8.049	8.041	(0.513)	5347215214	0.60984	0.6098
13 Aldrin	8.595	8.588	(0.547)	5257900224	0.61928	0.6193
14 Heptachlor Epoxide	9.677	9.670	(0.616)	4594911584	0.61123	0.6112
15 g-Chlordane	9.888	9.881	(0.630)	4846004128	0.61037	0.6104
16 a-Chlordane	10.108	10.102	(0.644)	4632549183	0.60592	0.6059
18 Endosulfan I	10.339	10.332	(0.658)	4162290674	0.58407	0.5841
17 DDE	10.225	10.218	(0.651)	4466118086	0.63493	0.6349
19 Dieldrin	10.722	10.715	(0.683)	4669479443	0.60751	0.6075
20 Endrin	11.085	11.079	(0.706)	4161909431	0.61040	0.6104
21 DDD	11.168	11.162	(0.711)	3829883025	0.63355	0.6336
22 Endosulfan II	11.426	11.419	(0.728)	3596217683	0.55605	0.5560
23 DDT	11.583	11.577	(0.738)	3746609188	0.56046	0.5605
24 Endrin Aldehyde	12.036	12.029	(0.766)	3130016960	0.57640	0.5764
26 Endosulfan Sulfate	12.649	12.643	(0.805)	3348580238	0.56212	0.5621
25 Methoxychlor	12.264	12.259	(0.781)	15895703066	5.33564	5.336
27 Endrin Ketone	13.036	13.031	(0.830)	4193293504	0.56529	0.5653

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN	FINAL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 28 DCB	14.383	14.377	(0.916)	6773371350	1.13886	1.139
* 29 Decachlorodiphenyl Ether	15.704	15.697	(1.000)	9449354287	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 17-JUL-2009

Lab File ID: P071717b.d

Calibration Time: 18:55

Lab Smp Id: 0685-135A-0.6 pest

Client Smp ID: CCV

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: rn

Method File: /chem/gcp.i/17Jul2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	8768828706	4384414353	17537657412	9449354287	7.76

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 17Jul2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 0685-135A-0.6 pest	Client Smp ID: CCV
Level: LOW	Operator: rn
Data Type: GC DATA	SampleType: METHSPIKE
SpikeList File: CCV-1.spk	Quant Type: ISTD
Sublist File: pestCCV.sub	
Method File: /chem/gcp.i/17Jul2009.b/p0910519.m/p0920519.m	
Misc Info: None	

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	1.200	1.264	105.31	85-115
8 a-BHC	0.6000	0.6430	107.17	85-115
10 b-BHC	0.6000	0.6237	103.95	85-115
9 g-BHC	0.6000	0.6326	105.43	85-115
11 d-BHC	0.6000	0.5884	98.06	85-115
12 Heptachlor	0.6000	0.6098	101.64	85-115
13 Aldrin	0.6000	0.6193	103.21	85-115
14 Heptachlor Epoxide	0.6000	0.6112	101.87	85-115
18 Endosulfan I	0.6000	0.5841	97.34	85-115
17 DDE	0.6000	0.6349	105.82	85-115
19 Dieldrin	0.6000	0.6075	101.25	85-115
20 Endrin	0.6000	0.6104	101.73	85-115
22 Endosulfan II	0.6000	0.5560	92.68	85-115
21 DDD	0.6000	0.6336	105.59	85-115
24 Endrin Aldehyde	0.6000	0.5764	96.07	85-115
26 Endosulfan Sulfate	0.6000	0.5621	93.69	85-115
23 DDT	0.6000	0.5605	93.41	85-115
27 Endrin Ketone	0.6000	0.5653	94.21	85-115
16 a-Chlordane	0.6000	0.6059	100.99	85-115
15 g-Chlordane	0.6000	0.6104	101.73	85-115
25 Methoxychlor	6.000	5.336	88.93	85-115
168 Mirex	0.6000	0.000	*	85-115
\$ 28 DCB	1.200	1.139	94.90	85-115

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	1.400	1.264	105.31	60-120
\$ 28 DCB	2.200	1.139	94.90	60-120

Data File: /chem/gcp.i/17Jul2009.b/P071717b.d

Date : 18-JUL-2009 01:46

Client ID: CCV

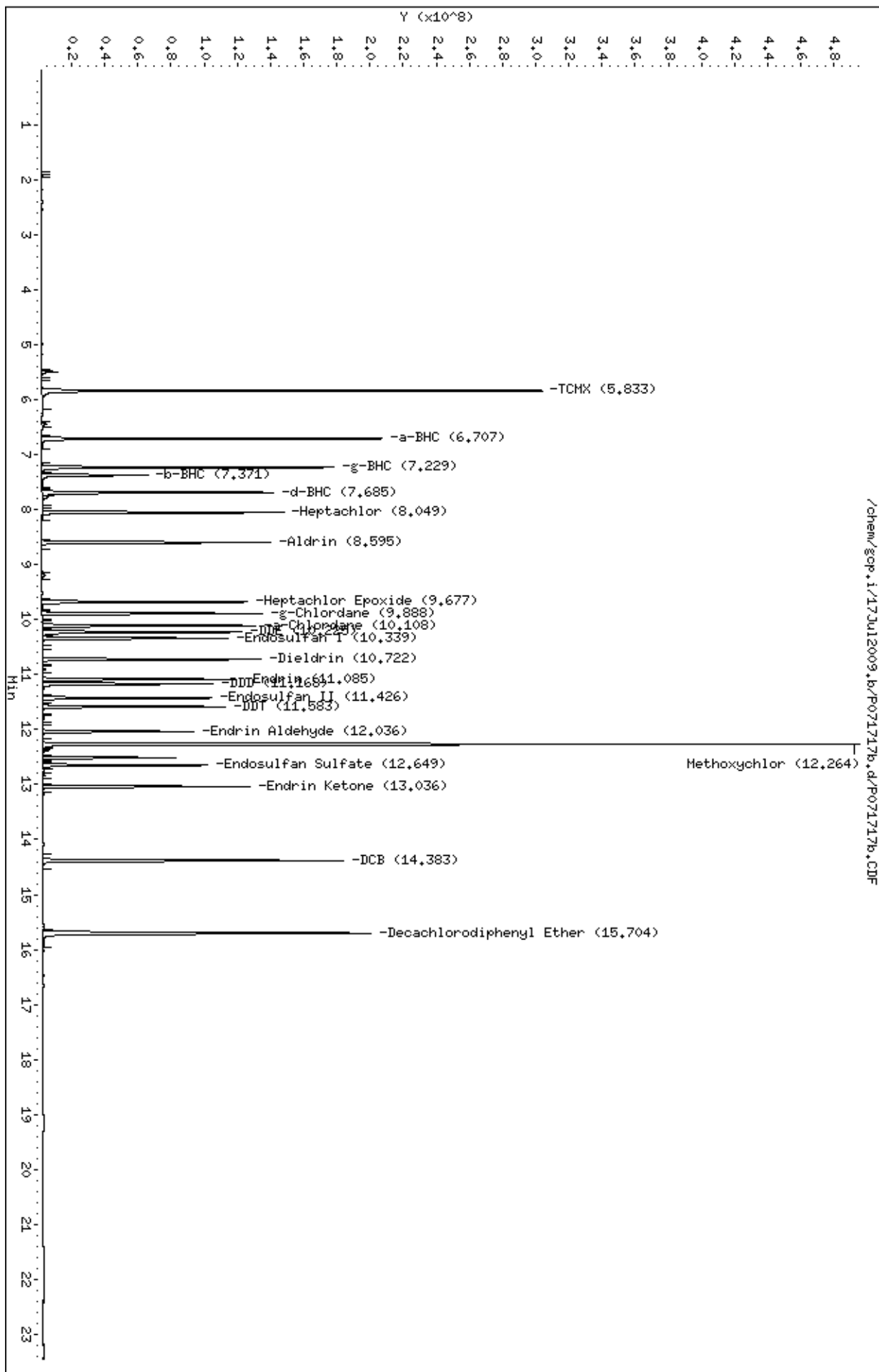
Sample Info:

Column phase:

Instrument: gcp.i

Operator: m

Column diameter: 2.00



Client Sample ID: LCS

Lab ID#: 0907167A-09A

MODIFIED EPA METHOD TO-4A GC/ECD

File Name:	P071617	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 7/16/09 06:47 PM
		Date of Extraction: 7/10/09

Compound	%Recovery
Aldrin	90
alpha-BHC	94
beta-BHC	86
delta-BHC	88
gamma-BHC (Lindane)	88
alpha-Chlordane	89
gamma-Chlordane	90
4,4'-DDD	89
4,4'-DDE	84
4,4'-DDT	82
Dieldrin	87
Endosulfan I	82
Endosulfan II	86
Endosulfan Sulfate	86
Endrin	88
Endrin Aldehyde	66
Endrin Ketone	82
Heptachlor	91
Heptachlor Epoxide	92
4,4'-Methoxychlor	94
Toxaphene	Not Spiked
Aroclor 1016/1242	72
Aroclor-1221	Not Spiked
Aroclor-1232	Not Spiked
Aroclor-1248	Not Spiked
Aroclor-1254	Not Spiked
Aroclor-1260	78

Air Sample Volume(L): 90000

Aroclors were reported from file #P071616, analyzed on 7/16/09 with a dilution factor of 1.00.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
2,4,5,6-Tetrachloro-m-xylene	78	60-120
Decachlorobiphenyl	70	60-120

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 0907167A/168A	Client Smp ID: LCS
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: LCS
SpikeList File: 1050-166.spk	Quant Type: ISTD
Sublist File: LCSfull.sub	
Method File: /chem/gcp.i/16Jul2009.b/p0910519.m	
Misc Info: None	

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
8 a-BHC	0.4000	0.3748	93.70	65-125
10 b-BHC	0.4000	0.3446	86.15	65-125
9 g-BHC	0.4000	0.3534	88.35	65-125
11 d-BHC	0.4000	0.3531	88.27	65-125
12 Heptachlor	0.4000	0.3658	91.45	65-125
13 Aldrin	0.4000	0.3593	89.82	65-125
14 Heptachlor Epoxide	0.4000	0.3666	91.65	65-125
17 Endosulfan I	0.4000	0.3295	82.38	65-125
18 DDE	0.8000	0.6712	83.91	65-125
19 Dieldrin	0.8000	0.6995	87.44	65-125
20 Endrin	0.8000	0.7021	87.76	65-125
22 Endosulfan II	0.8000	0.6864	85.80	65-125
21 DDD	0.8000	0.7136	89.20	65-125
24 Endrin Aldehyde	0.8000	0.5273	65.91	20-86
25 Endosulfan Sulfate	0.8000	0.6847	85.59	65-125
23 DDT	0.8000	0.6604	82.55	65-125
27 Endrin Ketone	0.8000	0.6589	82.37	65-125
16 a-Chlordane	0.4000	0.3552	88.81	65-125
15 g-Chlordane	0.4000	0.3591	89.77	65-125
26 Methoxychlor	4.000	3.772	94.30	65-125
169 Mirex	2.000	0.000	*	65-125

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	1.400	1.085	77.50	60-120
\$ 28 DCB	2.200	1.549	70.39	60-120

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 16Jul2009
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0907167A/168A pcb Client Smp ID: LCS
Level: LOW Operator: lz
Data Type: GC DATA SampleType: LCS
SpikeList File: LCS10.spk Quant Type: ISTD
Sublist File: LCS.sub
Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m
Misc Info: None

SPIKE COMPOUND		CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
M	3 pcb1016/1242	5.00	3.58	71.67	65-125
	4 pcb1016/1242-1	5.00	3.82	76.38	65-125
	5 pcb1016/1242-2	5.00	3.44	68.75	65-125
	6 pcb1016/1242-3	5.00	3.39	67.75	65-125
	7 pcb1016/1242-4	5.00	3.97	79.40	65-125
M	8 pcb1260	5.00	3.88	77.70	65-125
	9 pcb1260-1	5.00	3.72	74.34	65-125
	10 pcb1260-2	5.00	3.71	74.20	65-125
	11 pcb1260-3	5.00	4.22	84.40	65-125
	12 pcb1260-4	5.00	3.93	78.66	65-125

SURROGATE COMPOUND		CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$	2 TCMX	0.600	0.597	99.47	60-120
\$	38 DCB	0.600	0.518	86.33	60-120

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071617.d
Lab Smp Id: 0907167A/168AClient Smp ID: LCS
Inj Date : 17-JUL-2009 01:47
Operator : lzInst ID: gcp.i
Smp Info :
Misc Info : None
Comment : Front column, Rtx-CLPesticides II
Method : /chem/gcp.i/16Jul2009.b/p0910519.m
Meth Date : 16-Jul-2009 16:09 lzhangQuant Type: ISTD
Cal Date : 19-MAY-2009 20:37Cal File: P051912.d
Als bottle: 1QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: LCSfull.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

		CONCENTRATIONS				
		ON-COLUMN			FINAL	
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	6.011	6.012	(0.352)	20683927623	1.08504	1.085
8 a-BHC	7.000	7.000	(0.410)	10280101250	0.37479	0.3748
9 g-BHC	7.612	7.612	(0.446)	9020836634	0.35341	0.3534
10 b-BHC	7.756	7.756	(0.454)	3624196874	0.34460	0.3446
11 d-BHC	8.288	8.289	(0.485)	8367080205	0.35307	0.3531
12 Heptachlor	8.400	8.400	(0.492)	8503574131	0.36581	0.3658
13 Aldrin	9.005	9.005	(0.527)	8136043492	0.35927	0.3593
14 Heptachlor Epoxide	10.016	10.016	(0.587)	7149638212	0.36658	0.3666
15 g-Chlordane	10.330	10.330	(0.605)	7381414892	0.35909	0.3591
16 a-Chlordane	10.570	10.569	(0.619)	6896005589	0.35526	0.3552
17 Endosulfan I	10.666	10.667	(0.625)	5767039987	0.32951	0.3295
18 DDE	10.836	10.838	(0.635)	12494286591	0.67124	0.6712
19 Dieldrin	11.102	11.102	(0.650)	13357993240	0.69952	0.6995
20 Endrin	11.571	11.572	(0.678)	11880116107	0.70207	0.7021
21 DDD	11.727	11.730	(0.687)	10535397302	0.71357	0.7136
22 Endosulfan II	11.888	11.888	(0.696)	10743725361	0.68638	0.6864
23 DDT	12.183	12.184	(0.714)	10296949975	0.66042	0.6604
24 Endrin Aldehyde	12.377	12.377	(0.725)	6506024461	0.52729	0.5273
25 Endosulfan Sulfate	12.767	12.768	(0.748)	9452824463	0.68475	0.6847
26 Methoxychlor	13.135	13.136	(0.769)	21821649678	3.77196	3.772
27 Endrin Ketone	13.506	13.506	(0.791)	10231358572	0.65894	0.6589

Compounds	CONCENTRATIONS					
				ON-COLUMN		FINAL
	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 28 DCB	15.403	15.404	(0.902)	18624977079	1.54866	1.549
* 29 Decachlorodiphenyl Ether	17.073	17.076	(1.000)	19683897010	2.00000	

Air Toxics Ltd.

PCB analysis

Data file : /chem/gcp.i/16Jul2009.b/P071616.d

Lab Smp Id: 0907167A/168A pcbClient Smp ID: LCS

Inj Date : 17-JUL-2009 01:21

Operator : lzInst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Rtx-CLPesticide II

Method : /chem/gcp.i/16Jul2009.b/p09p0522.m

Meth Date : 16-Jul-2009 15:45 lzhangQuant Type: ISTD

Cal Date : 22-MAY-2009 19:06Cal File: P052203.d

Als bottle: 1QC Sample: LCS

Dil Factor: 1.00000

Integrator: HP GenieCompound Sublist: LCS.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *vf/vi * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS					
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		6.012	6.026	(0.352)	9263806590	0.59683	0.597
M 3 pcb1016/1242					8080369968	3.58375	3.58
4 pcb1016/1242-1		7.420	7.438	(0.435)	1386850218	3.81911	3.82
5 pcb1016/1242-2		8.216	8.240	(0.481)	3136102420	3.43763	3.44
6 pcb1016/1242-3		8.452	8.476	(0.495)	1921837125	3.38752	3.39
7 pcb1016/1242-4		9.285	9.305	(0.544)	1635580205	3.97007	3.97
M 8 pcb1260					14180695045	3.88495	3.88
9 pcb1260-1		11.349	11.365	(0.665)	2809324038	3.71707	3.72
10 pcb1260-2		11.657	11.673	(0.683)	3421713922	3.71001	3.71
11 pcb1260-3		12.731	12.743	(0.746)	2842559479	4.22025	4.22
12 pcb1260-4		13.067	13.080	(0.765)	5107097605	3.93300	3.93
\$ 38 DCB		15.403	15.417	(0.902)	5400635090	0.51797	0.518
* 39 Decachlorodiphenyl Ether		17.074	17.092	(1.000)	19908899888	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i
Lab File ID: P071617.d
Lab Smp Id: 0907167A/168A
Analysis Type:
Quant Type: ISTD
Operator: lz
Method File: /chem/gcp.i/16Jul2009.b/p0910519.m
Misc Info: None

Calibration Date: 16-JUL-2009
Calibration Time: 22:40
Client Smp ID: LCS
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	18282434903	9141217451	36564869805	19683897010	7.67

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	17.08	16.58	17.58	17.07	-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.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071616.d

Calibration Time: 22:13

Lab Smp Id: 0907167A/168A pcb

Client Smp ID: LCS

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	19448493630	9724246815	38896987259	19908899888	2.37
-----	-----	-----	-----	-----	-----

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
=====	=====	=====	=====	=====	=====
39 Decachlorodipheny	17.09	16.59	17.59	17.07	-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: /chem/gcp.i/071009T04.b/P071617.d

Date : 17-JUL-2009 01:47

Client ID: LCS

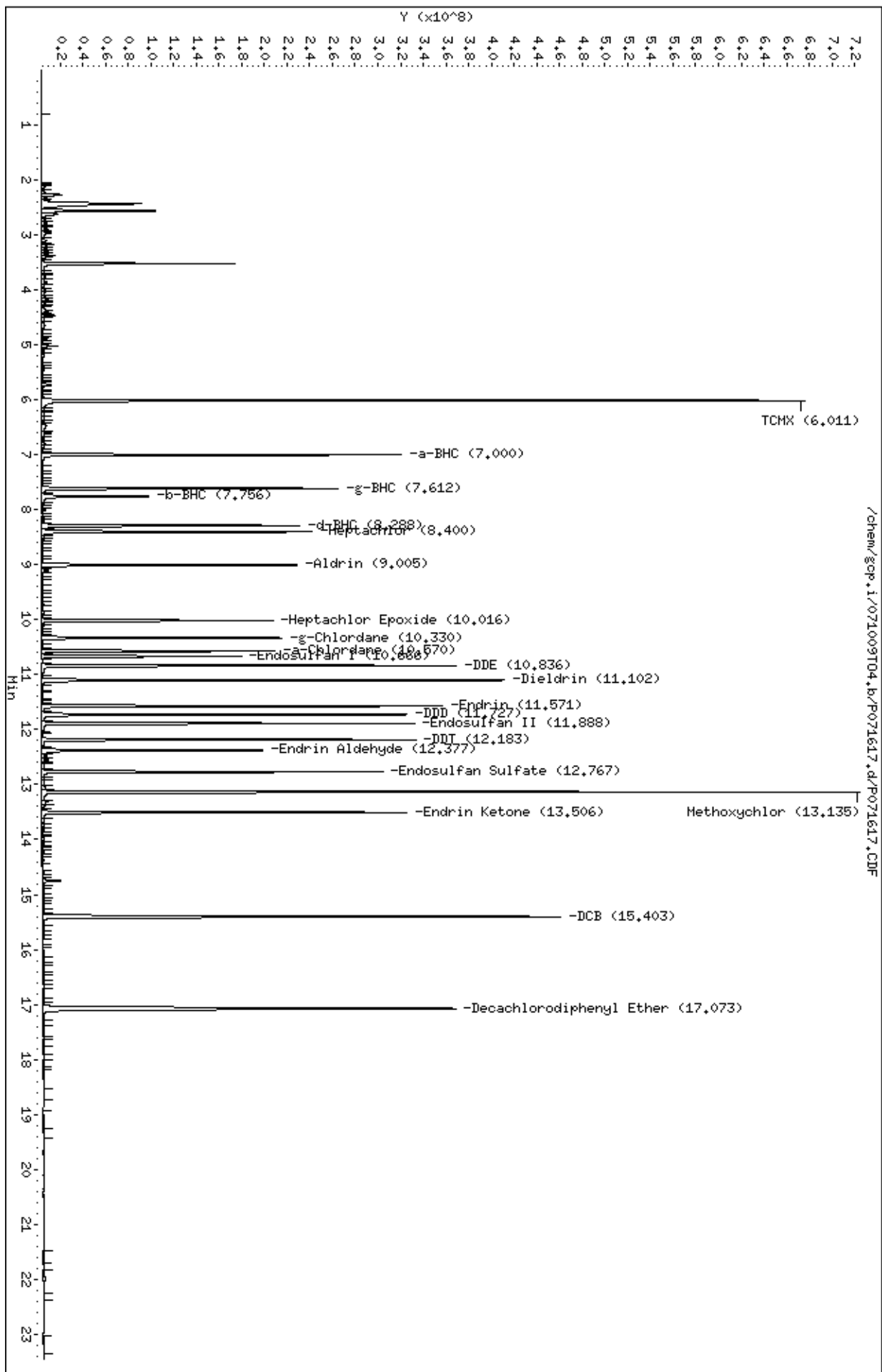
Sample Info:

Instrument: gcp.i

Column phase:

Operator: lz

Column diameter: 2.00



Data File: /chem/gcp.i/16Jul2009.b/P071616.d

Date : 17-JUL-2009 01:21

Client ID: LCS

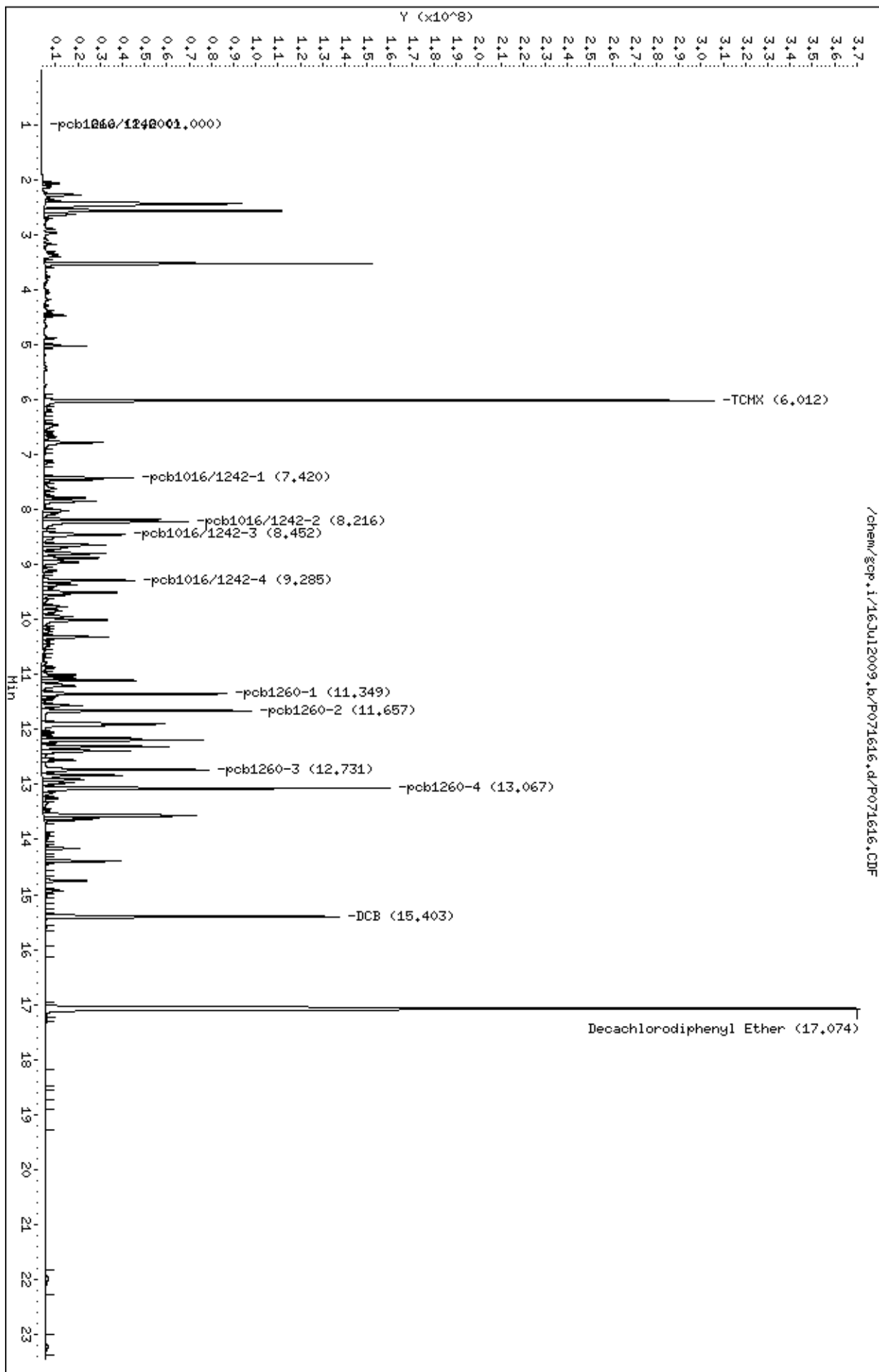
Sample Info:

Instrument: gcp.i

Operator: lz

Column diameter: 2.00

Column phase:



Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071617b.d
Lab Smp Id: 0907167A/168AClient Smp ID: LCS
Inj Date : 17-JUL-2009 01:47
Operator : lzInst ID: gcp.i
Smp Info :
Misc Info : None
Comment : Back column, Rtx-CLPesticides
Method : /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m
Meth Date : 16-Jul-2009 16:09 lzhangQuant Type: ISTD
Cal Date : 19-MAY-2009 20:37Cal File: P051912b.d
Als bottle: 1QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP GenieCompound Sublist: LCSfull.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd VariableLocal Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	REL RT	RESPONSE	(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 2 TCMX	5.833	5.830	(0.371)	7903544134	1.11802	1.118
8 a-BHC	6.706	6.703	(0.427)	3465095300	0.35889	0.3589
9 g-BHC	7.228	7.225	(0.460)	3084656244	0.34201	0.3420
10 b-BHC	7.371	7.367	(0.469)	1292458022	0.35652	0.3565
11 d-BHC	7.684	7.682	(0.489)	3051404199	0.35949	0.3595
12 Heptachlor	8.049	8.044	(0.513)	2969658609	0.35679	0.3568
13 Aldrin	8.595	8.590	(0.547)	2841483232	0.35256	0.3526
14 Heptachlor Epoxide	9.677	9.673	(0.616)	2579224524	0.36144	0.3614
15 g-Chlordane	9.888	9.883	(0.630)	2369948402	0.31447	0.3145
16 a-Chlordane	10.108	10.104	(0.644)	2503859762	0.34500	0.3450
18 Endosulfan I	10.339	10.335	(0.658)	2343517269	0.34643	0.3464
17 DDE	10.223	10.221	(0.651)	5091834149	0.76259	0.7626
19 Dieldrin	10.721	10.717	(0.683)	5271581204	0.72251	0.7225
20 Endrin	11.085	11.081	(0.706)	4593965643	0.70979	0.7098
21 DDD	11.166	11.165	(0.711)	3892549285	0.67835	0.6783
22 Endosulfan II	11.425	11.421	(0.728)	4162937259	0.67809	0.6781
23 DDT	11.582	11.579	(0.738)	4436954168	0.69922	0.6992
24 Endrin Aldehyde	12.035	12.032	(0.766)	2261358337	0.43870	0.4387
26 Endosulfan Sulfate	12.648	12.645	(0.805)	3795004037	0.67112	0.6711
25 Methoxychlor	12.263	12.261	(0.781)	9394440486	3.32199	3.322
27 Endrin Ketone	13.036	13.033	(0.830)	4497269824	0.63868	0.6387

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN	FINAL
					(ug)	(ug)
=====	==	=====	=====	=====	=====	=====
\$ 28 DCB	14.383	14.379	(0.916)	8995689248	1.59338	1.593
* 29 Decachlorodiphenyl Ether	15.702	15.699	(1.000)	8969775355	2.00000	

Air Toxics Ltd.

PCB Analysis

Data file : /chem/gcp.i/16Jul2009.b/P071616b.d

Lab Smp Id: 0907167A/168A pcbClient Smp ID: LCS

Inj Date : 17-JUL-2009 01:21

Operator : lzInst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Rtx-CLPesticide

Method : /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m

Meth Date : 16-Jul-2009 15:45 lzhangQuant Type: ISTD

Cal Date : 22-MAY-2009 23:59Cal File: P052214b.d

Als bottle: 1QC Sample: LCS

Dil Factor: 1.00000

Integrator: HP GenieCompound Sublist: LCS.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * *(vf/vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
vf	1.00000	Final extract volume(mL)
vi	1.00000	Initial sample volume(L)

Cpnd Variable

Local Compound Variable

		CONCENTRATIONS					
		ON-COLUMN			FINAL		
Compounds		RT	EXP RT	REL RT	RESPONSE	(ug/mL)	(uG)
=====		==	=====	=====	=====	=====	=====
\$ 2 TCMX		5.832	5.821	(0.371)	3463634618	0.54857	0.548
M 3 pcb1016/1242					3255168466	3.77490	3.77
4 pcb1016/1242-1		6.925	6.913	(0.441)	818468515	3.68253	3.68
5 pcb1016/1242-2		7.703	7.695	(0.491)	1104069720	3.88531	3.88
6 pcb1016/1242-3		7.926	7.918	(0.505)	768997472	3.74132	3.74
7 pcb1016/1242-4		8.636	8.626	(0.550)	563632759	3.74864	3.75
M 8 pcb1260					5994590141	3.76035	3.76
9 pcb1260-1		10.694	10.686	(0.681)	1197423396	3.85683	3.86
10 pcb1260-2		11.116	11.111	(0.708)	1684794717	3.57381	3.57
11 pcb1260-3		12.061	12.056	(0.768)	855421330	3.29930	3.30
12 pcb1260-4		12.489	12.485	(0.795)	2256950698	4.08137	4.08
\$ 38 DCB		14.382	14.378	(0.916)	2591627222	0.52688	0.527
* 39 Decachlorodiphenyl Ether		15.702	15.698	(1.000)	9070305408	2.00000	

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071617b.d

Calibration Time: 22:40

Lab Smp Id: 0907167A/168A

Client Smp ID: LCS

Analysis Type:

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	8225164566	4112582283	16450329131	8969775355	9.05

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
29 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: gcp.i

Calibration Date: 16-JUL-2009

Lab File ID: P071616b.d

Calibration Time: 22:13

Lab Smp Id: 0907167A/168A pcb

Client Smp ID: LCS

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lz

Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m

Misc Info: None

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	8678794631	4339397315	17357589261	9070305408	4.51

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
39 Decachlorodipheny	15.70	15.20	16.20	15.70	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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 16Jul2009
Sample Matrix: GAS	Fraction:
Lab Smp Id: 0907167A/168A	Client Smp ID: LCS
Level: LOW	Operator: lz
Data Type: GC DATA	SampleType: LCS
SpikeList File: 1050-166.spk	Quant Type: ISTD
Sublist File: LCSfull.sub	
Method File: /chem/gcp.i/16Jul2009.b/p0910519.m/p0920519.m	
Misc Info: None	

SPIKE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
8 a-BHC	0.4000	0.3589	89.72	65-125
10 b-BHC	0.4000	0.3565	89.13	65-125
9 g-BHC	0.4000	0.3420	85.50	65-125
11 d-BHC	0.4000	0.3595	89.87	65-125
12 Heptachlor	0.4000	0.3568	89.20	65-125
13 Aldrin	0.4000	0.3526	88.14	65-125
14 Heptachlor Epoxide	0.4000	0.3614	90.36	65-125
18 Endosulfan I	0.4000	0.3464	86.61	65-125
17 DDE	0.8000	0.7626	95.32	65-125
19 Dieldrin	0.8000	0.7225	90.31	65-125
20 Endrin	0.8000	0.7098	88.72	65-125
22 Endosulfan II	0.8000	0.6781	84.76	65-125
21 DDD	0.8000	0.6783	84.79	65-125
24 Endrin Aldehyde	0.8000	0.4387	54.84	20-86
26 Endosulfan Sulfate	0.8000	0.6711	83.89	65-125
23 DDT	0.8000	0.6992	87.40	65-125
27 Endrin Ketone	0.8000	0.6387	79.83	65-125
16 a-Chlordane	0.4000	0.3450	86.25	65-125
15 g-Chlordane	0.4000	0.3145	78.62	65-125
25 Methoxychlor	4.000	3.322	83.05	65-125
168 Mirex	2.000	0.000	*	65-125

SURROGATE COMPOUND	CONC ADDED ug	CONC RECOVERED ug	% RECOVERED	LIMITS
\$ 2 TCMX	1.400	1.118	79.86	60-120
\$ 28 DCB	2.200	1.593	72.43	60-120

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 16Jul2009
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0907167A/168A pcb Client Smp ID: LCS
Level: LOW Operator: lz
Data Type: GC DATA SampleType: LCS
SpikeList File: LCS10.spk Quant Type: ISTD
Sublist File: LCS.sub
Method File: /chem/gcp.i/16Jul2009.b/p09p0522.m/p09b0522.m
Misc Info: None

SPIKE COMPOUND		CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
M	3 pcb1016/1242	5.00	3.77	75.50	65-125
	4 pcb1016/1242-1	5.00	3.68	73.65	65-125
	5 pcb1016/1242-2	5.00	3.88	77.71	65-125
	6 pcb1016/1242-3	5.00	3.74	74.83	65-125
	7 pcb1016/1242-4	5.00	3.75	74.97	65-125
M	8 pcb1260	5.00	3.76	75.21	65-125
	9 pcb1260-1	5.00	3.86	77.14	65-125
	10 pcb1260-2	5.00	3.57	71.48	65-125
	11 pcb1260-3	5.00	3.30	65.99	65-125
	12 pcb1260-4	5.00	4.08	81.63	65-125

SURROGATE COMPOUND		CONC ADDED uG	CONC RECOVERED uG	% RECOVERED	LIMITS
\$	2 TCMX	0.600	0.548	91.43	60-120
\$	38 DCB	0.600	0.527	87.81	60-120

Data File: /chem/gcp.i/16Jul2009.b/P071617b.d

Date : 17-JUL-2009 01:47

Client ID: LCS

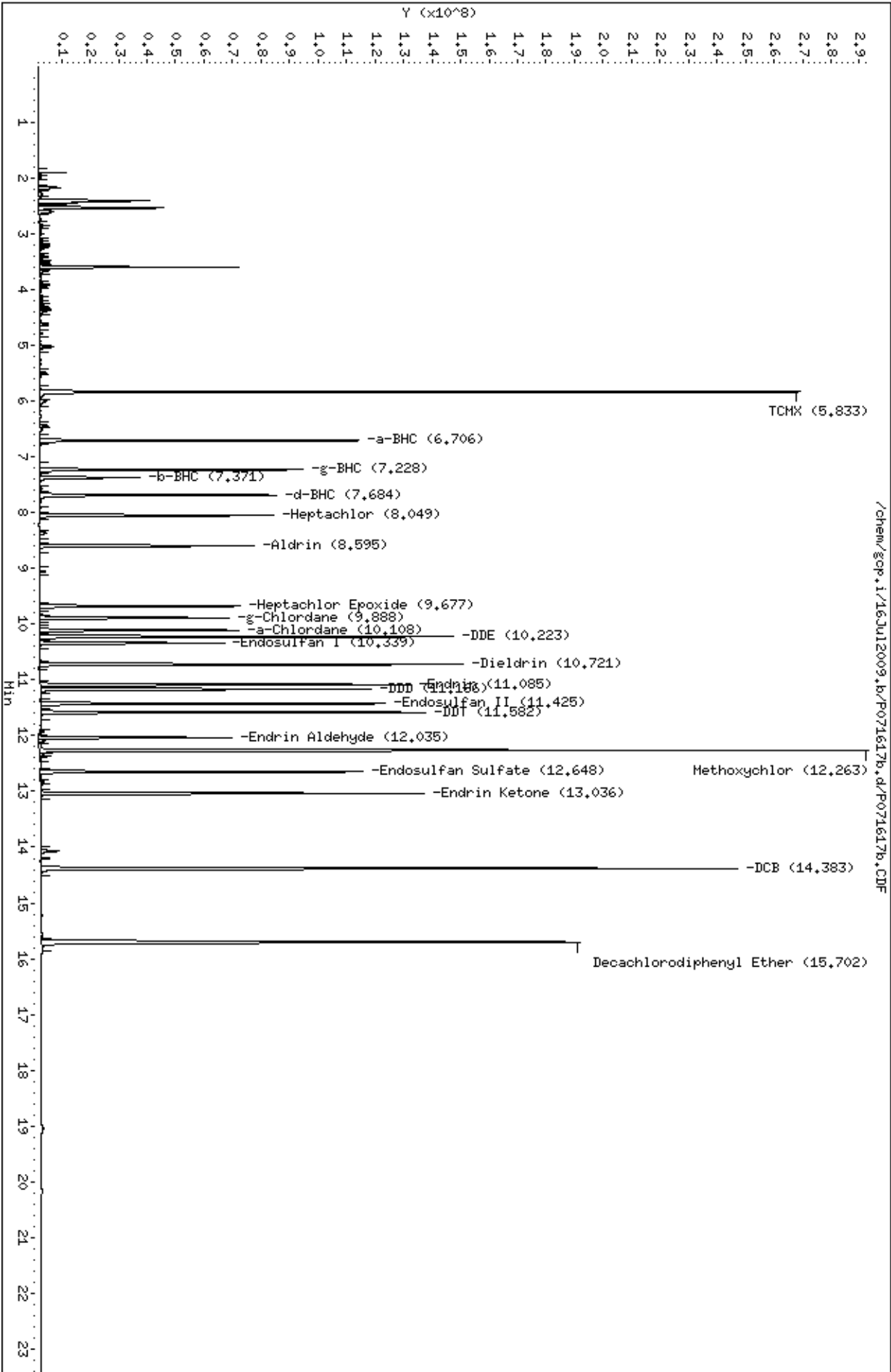
Sample Info:

Instrument: gcp.i

Operator: lz

Column diameter: 2.00

Column phase:



Data File: /chem/gcp.i/16Jul2009.b/P071616b.d

Date : 17-JUL-2009 01:21

Client ID: LCS

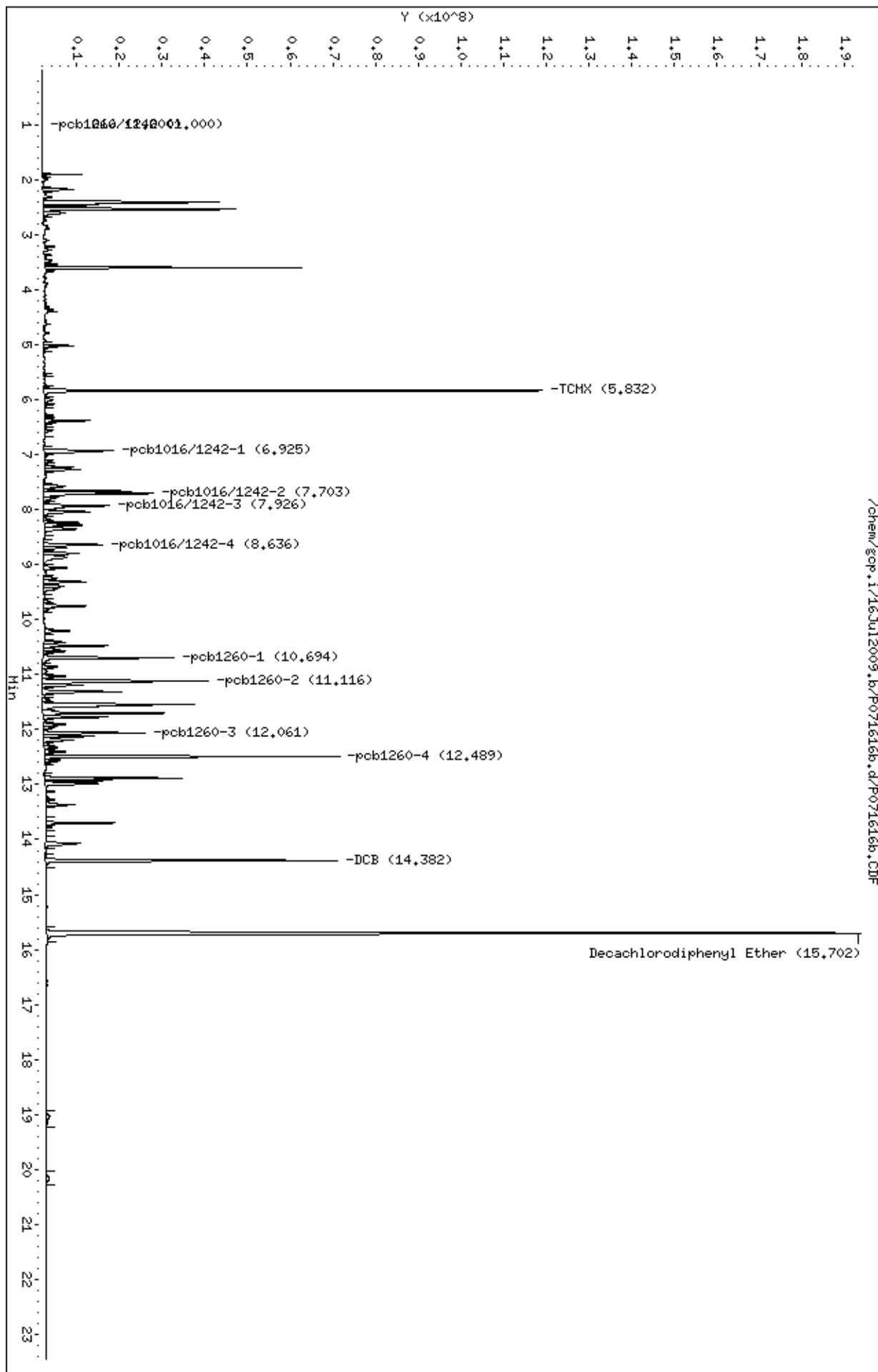
Sample Info:

Instrument: gcp.i

Column phase:

Operator: lz

Column diameter: 2.00



TO-4A/TO-10A ASE Extraction Logbook

@Air Toxics Ltd.

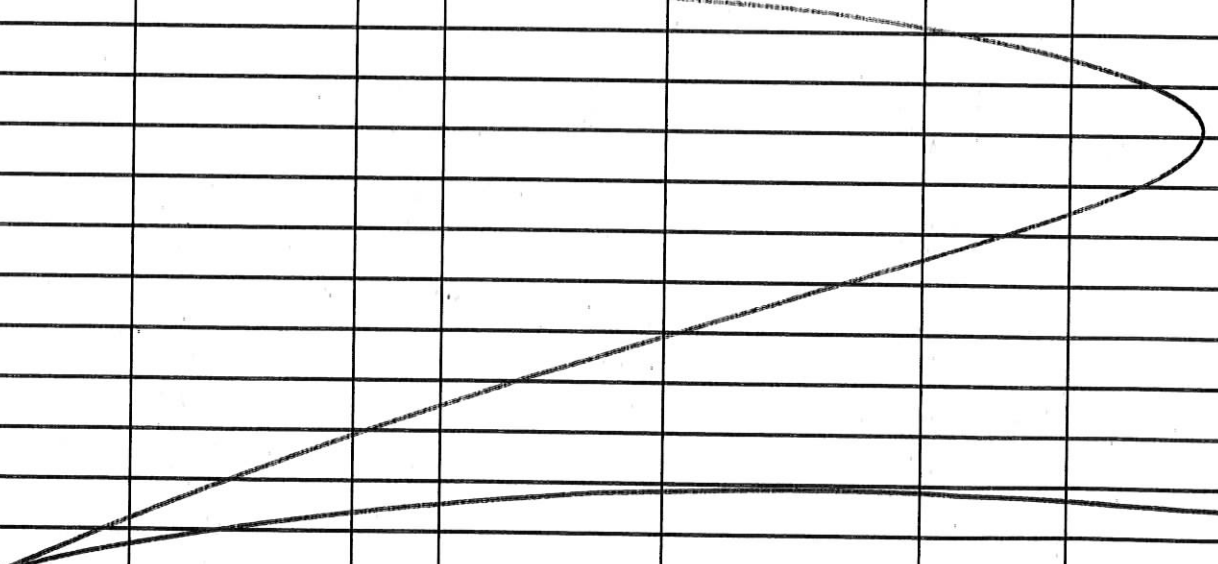
Logbook #: 1807

071009704H

Date Extracted: 7/10/09
 Set-up By: MJS
 Spiked By: MJS
 Spike Date: 7/10/09
 Initial Solvent: Dichloromethane
 Initial Solvent Lot#: 090321




Spike Witness: CA
 Date Witnessed: 7/10/09
☒ Proj.Pr./COC checked ☒ Spike ID Verified
☒ Spike Amt. Verified ☒ Equipment checked
☒ Verified Media Certified

Final Solvent: Hexane
 Final Solvent Lot#: 090185
 Concentrated By: MJS
 Date Concentrated: 7/14/09

ATL Sample ID #	Clients I.D. #	Car. #	PUF / XAD/Filter Lot #	Surr. ID/Conc. (µg/mL)	Surr. Amt (mL)	LCS ID/Conc. (µg/mL)	LCS Amt (mL)	Fln. Vol. (mL)	Add. acid Y/N
0907167A-01A	OFF04-070709	3	P090625/F090619	981-68-2.4	0.25	N/A	N/A	1.0	N
↓ -04A	OFF03-070709	3	↓	↓	↓	↓	↓	↓	↓
↓ -07A	OFF03-070709BS	3	↓	↓	↓	↓	↓	↓	↓
0907168A-01A	BMI06-070709	2	P090614/F090611	↓	↓	↓	↓	↓	↓
↓ -04A	BMI08-070709	2	↓	↓	↓	↓	↓	↓	↓
0907167A	N/A	2	P090625	↓	↓	↓	↓	↓	↓
0907168A-B/K	↓	2	↓	↓	↓	981-65-20	0.25	↓	↓
↓ -Pre-LCS	↓	2	↓	↓	↓	↓	↓	↓	↓
↓ -Post-LCS	↓	3	↓	↓	↓	981-64-0.4-4.0	1.0	↓	↓
									

MJS
7/14/09

Comments:

IS Std ID	IS	Area Counts	Breakdown %	
	1-Bromo-2-Nitrobenzene	Front: 	Endrin	Front: 2.42
		Back: 		Back: 2.62
1685-326-50	Decafluorodiphenyl Ether	Front: 18282434903	DDT	Front: 9.85
	 PCB	Back: 8225164566		Back: 7.27
1		Front: 19448493630	must be ≤15%	
		Back: 8678794631		

Injection Volume: 1.0 μL

GMT

[illegible]

culatation Check:

File ID: P071617 Compound: g-BHC

Initials: *W*

$$\text{On Column} = \frac{\text{Area of Compound in Sample}}{\text{Area of Int. Standard in Sample}} \times \frac{\text{Conc. Int. Standard}}{\text{ICAL RRF}_{\text{AVG}}} = \frac{(9020836634)}{(1968388700)} \times \frac{(2.0)}{(2.5935)} =$$
$$\text{Sample} = \frac{\text{nG On Column} \times 1000 \mu\text{L Final Vol.} \times \text{D.F.}}{1.0 \mu\text{L Inj. Vol.} \times 1000 \text{ nG}/\mu\text{G}} = \frac{(6.334) \times (1000) \times (1.0)}{(1000)} = 6.334$$

Reported Result = 0.3534

622

7117109

Method: Mod. TO-4A/TO-10A

108

IS Std ID	IS	Area Counts		Breakdown %	
<i>na</i>	1-Bromo-2-Nitrobenzene	Front:	<i>na</i>	Endrin	Front: 2.59
		Back:	<i>na</i>		Back: 2.72
1685-32650	Decafluorodiphenyl Ether <i>pest</i>	Front:	18677125180	DDT	Front: 9.90
		Back:	8768828706		Back: 7.77
<i>↓</i>	<i>PCB</i>	Front:	17442469517	<i>must be ≤15%</i>	
		Back:	4301083065		

Injection Volume: 1.0 µL

(GMIT)

USE	File #	Sample / Client Name	Vial #	Dil. Factor	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓ 0071701	Hexane Wash	1	1.0	<i>li</i>	7/17/09	1712	<i>li</i>	
2	✓ 02	1685-143-0.8	2				1738		
3	X 03	1685-137-3 PCB	3				1828		CCV PCB
4	✓ 04	1685-135A-0.6	4				1855		Pest CCV
5	✓ 05	1685-137-3 PCB	5				1941		PCB CCV
6	✓ 06	Hexane Blank	6				2010		
7	✓ 07	0907167A-04A	7				2047		
8	✓ 08	0907253A - Blank	8				2146		
9	✓ 09	0907252A-04A	9				2212		
10	✓ 10	0907253A-04A	10				2239		
11	✓ 11	1 - 01A	11				2306		
12	✓ 12	0907252A - 01A	12				2333		
13	✓ 13	1 - 04A	13				2359		
14	✓ 14	0907252A/253A-LCS PCB	14			7/18/09	0026		
15	✓ 15	1 - LCS Pest	15				0053		
16	✓ 16	1685-137-3 PCB	5				0120		
17	✓ 17	1685-135A-0.6 Pest	4				0146	<i>↓</i>	
18									
19									
20									
21									
22									
23									
24									

Calculation Check:

File ID: V071701 Compound: 2-BHCInitials: li

$$\text{nG On Column} = \frac{\text{Area of Compound in Sample} \times \text{Conc. Int. Standard}}{\text{Area of Int. Standard in Sample} \times \text{ICAL RRF}_{\text{AVG}}} = \frac{16223887839 \times (2.0)}{18677125180 \times (2.78691)} = 0.62338$$

$$\mu\text{G/Sample} = \frac{\text{nG On Column} \times 1000 \mu\text{L Final Vol.} \times \text{D.F.}}{1.0 \mu\text{L Inj. Vol.} \times 1000 \text{ nG}/\mu\text{G}} = \frac{(0.6234) \times (1000) \times (1.00)}{(1000)} = 0.6234$$

Signed

Date

Reported Result =

Revised: 02/27/06

Shipping/ Receiving Documents

**180 Blue Ravine Road, Suite B
Folsom, CA 95630**

**Phone (916) 985-1000 FAX (916) 985-1020
Hours 8:00 A.M. to 6:00 P.M. Pacific**

COMPANY: Tetra Tech
ATTENTION: Mr. Doug Herlocker
FAX #: _____
FROM: Sample Receiving
Workorder #: 0907167A
of pages (Including Cover): 1

7/21/2009

Thank you for selecting Air Toxics Ltd. We have received your samples and have found no discrepancies. In order to expedite analysis and reporting, please review the attached information for accuracy. Corrections can be faxed to **Kelly Buettner at 916-985-1020**. ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

SOBENT SAMPLE COLLECTION



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O. T. Hotline (800) 467-4922.

180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719 95630
(916) 985-1000 FAX (916) 985-1020

Page 1 of 1

Project Manager: Douglas H. Miller

Collected by: (Print and Sign) Scott Davis

Company: Terco Tech Inc Email: terco@terco.com

Address: 3380 American Hill, 2nd City State: CA Zip: 95630

Phone: 916 389 1030 Fax: 916 389 1183

Project Info:

P.O. #

Project # 10340333, 006

Project Name: RM1 Affix

Turn Around Time:

☒ Normal

☐ Rush

Circle Reporting Units:

ppbv pptv

ug/m³ mg/m³

Lab I.D.	Field Sample I.D. (Location)	Tube # / Cartridge #	Date of Collection	Start Time	End Time	Duration	Final Volume	Analysis Requested
01A	01F04-070709		07/07/09	12.7	11.7	9.02		704A
	01F04-070709					9.02		709A
	01F04-070709					9.02		7013A
01A	01F03-070709			7.47	17.50	10.05		704A
	01F03-070709					10.05		704A
01A	01F03-070709					10.05		7013A
	01F03-070709							704A
	01F03-070709							709A
	01F03-070709							7013A

Relinquished by: (signature) <u>Scott Davis</u>	Date/Time <u>7/2/09 10:00</u>	Received by: (signature) <u>Scott Davis</u>	Date/Time <u>7/2/09 10:05</u>
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
------------------------------	-----------	--------------------------	-----------

Lab Use Only	Shipping Name	Alt. Bill #	Temp. (°C)	Condition	Custody Seal Intact?	Work Order #
			4°C	Good	Yes	0907167

Pump Calibration Information

Pre-test Flow Rate:

Post-test Flow Rate:

Average Flow Rate:

Notes:

SAMPLE RECEIPT SUMMARY

WORKORDER 0907167A

Client

Mr. Doug Herlocker
Tetra Tech
3380 Americana Terrace, Suite 201
Boise, ID 83706

Phone

208-389-1030

Fax

Date Promised: 07/23/09

Date Completed: 7/20/09

Date Received: 7/9/09

PO#: 103P0333.005

Project#: 103P0333.006 BMI Offsite

Sales Rep: JJM

Total \$: \$ 1,080.00

Logged By: MG

<u>Fraction</u>	<u>Sample #</u>	<u>Analysis</u>	<u>Collected</u>	<u>Amount\$</u>
01A	OFF04-070709	Modified TO-4A	7/7/2009	\$360.00
01AA	OFF04-070709 Lab Duplicate	Modified TO-4A	7/7/2009	\$0.00
04A	OFF03-070709	Modified TO-4A	7/7/2009	\$360.00
07A	OFF03-070709BS	Modified TO-4A	7/7/2009	\$360.00
08A	Lab Blank	Modified TO-4A	NA	\$0.00
09A	LCS	Modified TO-4A	NA	\$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: Las Vegas Phase III/12356

BILL TO: Mr. Doug Herlocker
Tetra Tech
3380 Americana Terrace, Suite 201
Boise, ID 83706

Analysis Code: Pest/PCB

TERMS: NET 45

Reporting Method: Modified TO-4A

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

Other Records

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071608.d

Lab Smp Id: 1685-143-0.8 en/ddt Client Smp ID: BREAKDOWN

Inj Date : 16-JUL-2009 21:17

Operator : lz Inst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Primary Column, RTX-CLPesticides II

Method : /chem/gcp.i/16Jul2009.b/BREAK.m

Meth Date : 16-Jun-2009 15:58 lzhang Quant Type: ESTD

Cal Date : Cal File:

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Name	Value	Description
-----	-----	-----
DF	1.00000	Dilution Factor

Compounds						CONCENTRATIONS	
	RT	EXP RT	DLT RT	RESPONSE		ON-COLUMN (area)	FINAL (area)
=====	==	=====	=====	=====		=====	=====
M 1 Total DDT				9390472463			
M 2 Total Endrin				11186773132			
3 p,p'-DDE	10.856	10.848	0.008	223312807			
4 Endrin	11.586	11.578	0.008	10916043752			
5 p,p'-DDD	11.746	11.739	0.007	701597866			
6 p,p'-DDT	12.198	12.190	0.008	8465561789			
7 Endrin Aldehyde	12.393	12.386	0.007	19166836			
8 Endrin Ketone	13.518	13.513	0.005	251562544			

$$\%B_{En} = \frac{19166836 + 251562544}{11186773132} \times 100\% = 2.42\%$$

$$\%B_{DDT} = \frac{223312807 + 701597866}{9390472463} \times 100\% = 9.85\%$$

W 7/16/09
W 7/16/09

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/16Jul2009.b/P071608b.d

Lab Smp Id: 1685-143-0.8 en/ddt Client Smp ID: BREAKDOWN

Inj Date : 16-JUL-2009 21:17

Operator : lz Inst ID: gcp.i

Smp Info :

Misc Info : None

Comment : Confirmation Column, RTX-CLPesticides

Method : /chem/gcp.i/16Jul2009.b/BREAK.m/BREAKB.m

Meth Date : 16-Jun-2009 16:04 rnoonan Quant Type: ESTD

Cal Date : Cal File:

Als bottle: 1

Dil Factor: 1.00000

Integrator: HP Genie Compound Sublist: all.sub

Target Version: 3.50

Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Name	Value	Description
-----	-----	-----
DF	1.00000	Dilution Factor

		CONCENTRATIONS				
		ON-COLUMN			FINAL	
Compounds		RT	EXP RT	DLT RT	RESPONSE (area)	(area)
=====		==	=====	=====	=====	=====
M	1 Total DDT				3930975643	
M	2 Total Endrin				4486144578	
	3 p,p'-DDE	10.217	10.844	-0.627	47583328	
	4 Endrin	11.076	11.079	-0.003	4368467767	
	5 p,p'-DDD	11.162	11.166	-0.004	238343470	
	6 p,p'-DDT	11.575	11.577	-0.002	3645048845	
	7 Endrin Aldehyde	12.031	12.031	0.000	8400828	
	8 Endrin Ketone	13.031	13.032	-0.001	109275982	

$$B\%_{\text{DDT}} = \frac{8400828 + 109275982}{4486144578} \times 100\% = 2.62\%$$

$$B\%_{\text{DDT}} = \frac{47583328 + 238343470}{3930975643} \times 100\% = 7.27\%$$

6/16/09

W 7/17/09

Air Toxics Ltd.

Pesticides Analysis, dual ECD

Data file : /chem/gcp.i/17Jul2009.b/P071702.d
Lab Smp Id: 1685-143-0.8 Client Smp ID: BREAKDOWN
Inj Date : 17-JUL-2009 17:38
Operator : rn Inst ID: gcp.i
Smp Info : 1685-143-0.8
Misc Info : None
Comment : Primary Column, RTX-CLPesticides II
Method : /chem/gcp.i/17Jul2009.b/BREAK.m
Meth Date : 16-Jun-2009 15:58 lzhang Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (area)	FINAL (area)
1 Total DDT				9406743156		
2 Total Endrin				11522210184		
3 p,p'-DDE	10.839	10.848	-0.009	171073699		
4 Endrin	11.570	11.578	-0.008	11224176043		
5 p,p'-DDD	11.731	11.739	-0.008	760254091		
6 p,p'-DDT	12.182	12.190	-0.008	8475415366		
7 Endrin Aldehyde	12.377	12.386	-0.009	35034023		
8 Endrin Ketone	13.504	13.513	-0.009	263000118		

$$\text{Endrin Breakdown} = \frac{35034023 + 263000118}{11522210184} \times 100 = 2.59\%$$

$$\text{DDT Breakdown} = \frac{171073699 \times 760254091}{9406743156} \times 100 = 9.90\%$$

run 7/17/09

Air Toxics Ltd.

Pesticides Analysis, dual ECD
Data file : /chem/gcp.i/17Jul2009.b/P071702b.d
Lab Smp Id: 1685-143-0.8 Client Smp ID: BREAKDOWN
Inj Date : 17-JUL-2009 17:38
Operator : rn Inst ID: gcp.i
Smp Info : 1685-143-0.8
Misc Info : None
Comment : Confirmation Column, RTX-CLPesticides
Method : /chem/gcp.i/17Jul2009.b/BREAK.m/BREAKB.m
Meth Date : 16-Jun-2009 16:04 rnoonan Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (area)	FINAL (area)
1 Total DDT				4118497270		
2 Total Endrin				4852718640		
3 p,p'-DDE	10.898	10.844	0.054	41004624		
4 Endrin	11.079	11.079	0.000	4720849883		
5 p,p'-DDD	11.166	11.166	0.000	278910761		
6 p,p'-DDT	11.578	11.577	0.001	3798581885		
7 Endrin Aldehyde	12.033	12.031	0.002	8929791		
8 Endrin Ketone	13.032	13.032	0.000	122938966		

$$\text{Endrin Breakdown} = \frac{8929791 + 122938966}{4852718640} \times 100 = 2.72\%$$

$$\text{DDT Breakdown} = \frac{41004624 + 278910761}{4118497270} \times 100 = 7.77\%$$

Sample ID Number	Sample Date			Corrected Average Flow Rate- Qstd (m3/min)	Beginning Timer (hours)	Ending Timer (hours)	Total Sample Time (hours)	Total Sample Volume (m³)	Total Sample Volume (Liters)
CAMUS1-061609 (TO-4)	6/16/2009	48	42	0.19	866.04	875.33	9.29	105.78	105,778.50
CAMUS1-061809 (TO-4)	6/18/2009	48	48	0.19	875.33	885.02	9.69	110.67	110,667.10
CAMUS1-062309 (TO-4)	6/23/2009	44	44	0.182	885.06	894.3	9.24	100.63	100,627.00
CAMUS1-062509 (TO-4)	6/25/2009	52	52	0.198	894.29	900.67	6.38	75.7	75,695.50
CAMUS1-061609 (TO-9)	6/16/2009	54	50	0.17	849.73	859.02	9.29	94.83	94,829.20
CAMUS1-061809 (TO-9)	6/18/2009	52	52	0.166	859.02	868.71	9.69	96.74	96,735.40
CAMUS1-062309 (TO-9)	6/23/2009	52	52	0.166	868.74	874.52	5.78	87.51	87,510.70
CAMUS1-062509 (TO-9)	6/25/2009	54	52	0.167	874.54	884.36	9.82	98.62	98,621.00
CAMUS1-061609 (TO-13)	6/16/2009	48	42	0.205	922.79	932.07	9.28	114.07	114,066.20
CAMUS1-061809 (TO-13)	6/18/2009	38	38	0.186	932.09	941.77	9.68	108	108,001.60
CAMUS1-062309 (TO-13)	6/23/2009	48	46	0.203	941.75	947.58	5.83	70.94	70,935.20
CAMUS1-062509 (TO-13)	6/25/2009	48	44	0.2	947.6	957.43	9.83	117.67	117,673.40
CAMUS3									
CAMUS3-061609 (TO-4)	6/16/2009	54	48	0.216	861.46	871.05	9.59	124.04	124,036.50
CAMUS3-061809 (TO-4)	6/18/2009	56	56	0.219	871.05	880.48	9.43	123.74	123,738.10
CAMUS3-062309 (TO-4)	6/23/2009	50	50	0.208	880.4	890.05	9.65	120.45	120,452.10
CAMUS3-062509 (TO-4)	6/25/2009	52	52	0.212	890.05	900.72	10.67	135.63	135,632.80
CAMUS3-061609 (TO-9)	6/16/2009	56	50	0.216	864.78	874.36	9.58	126.1	126,095.80
CAMUS3-061809 (TO-9)	6/18/2009	54	54	0.214	874.37	883.79	9.42	120.94	120,935.40
CAMUS3-062309 (TO-9)	6/23/2009	54	54	0.213	883.8	893.36	9.56	122.28	122,275.80
CAMUS3-062509 (TO-9)	6/25/2009	54	52	0.212	893.37	904.02	10.65	135.45	135,450.70
CAMUS3-061609 (TO-13)	6/16/2009	50	48	0.214	876.92	886.5	9.58	123.05	123,046.60
CAMUS3-061809 (TO-13)	6/18/2009	48	48	0.207	886.51	895.94	9.43	117.24	117,240.40
CAMUS3-062309 (TO-13)	6/23/2009	50	50	0.21	895.95	905.5	9.55	120.31	120,307.40
CAMUS3-062509 (TO-13)	6/25/2009	52	48	0.125	1005.51	1016.18	10.67	80.3	80,299.90
OFF03									
OFF03-061609 (TO-4)	6/17/2009	44	42	0.125	310.57	320.35	9.78	73.6	73,602.00
OFF03-061809 (TO-4)	6/18/2009	NA	NA	NA	320.35	320.35	0	NA	NA
OFF03-062309 (TO-4)	6/23/2009	42	38	0.12	343.51	353.2	9.69	69.49	69,487.50
OFF03-062509 (TO-4)	6/25/2009	56	52	0.144	353.2	363.02	9.82	84.99	84,987.10
OFF03-063009 (TO-4)	6/30/2009	46	40	0.123	363.02	372.51	9.49	69.97	69,971.50
OFF03-070209 (TO-4)	7/2/2009	56	52	0.145	372.51	381.52	9.01	78.46	78,458.90
OFF03-070709 (TO-4)	7/7/2009	56	54	0.146	381.52	391.57	10.05	87.88	87,883.90
OFF03-061609 (TO-9)	6/17/2009	32	31	0.08	1531.49	1541.29	9.8	47.24	47,237.80
OFF03-061809 (TO-9)	6/18/2009	44	42	0.103	1541.29	1550.77	9.48	58.36	58,362.20
OFF03-062309 (TO-9)	6/23/2009	38	30	0.085	1570.77	1580.4	9.63	49.16	49,156.10
OFF03-062509 (TO-9)	6/25/2009	34	34	0.085	1560.49	1570.39	9.9	50.75	50,753.40
OFF03-063009 (TO-9)	6/30/2009	36	32	0.083	1570.34	1579.82	9.48	47.33	47,326.30
OFF03-070209 (TO-9)	7/2/2009	56	52	0.122	1579.82	1588.83	9.01	65.76	65,758.10
OFF03-070709 (TO-9)	7/7/2009	60	50	0.121	1588.83	1598.89	10.06	72.85	72,849.20
OFF03-061609 (TO-13)	6/17/2009	36	39	0.123	1765.17	1774.94	9.77	71.92	71,921.50
OFF03-061809 (TO-13)	6/18/2009	26	26	0.097	1774.96	1784.44	9.48	55.21	55,211.80

OFF03-062309 (TO-13)	6/23/2009	50	42	0.139	1784.44	1794.19	9.75	81.24	81,242.30
OFF03-062509 (TO-13)	6/25/2009	52	46	0.145	1794.19	1803.37	9.18	79.78	79,775.10
OFF03-063009 (TO-13)	6/30/2009	52	48	0.144	1803.4	1812.88	9.48	81.73	81,727.20
OFF03-070209 (TO-13)	7/2/2009	52	48	0.148	1812.88	1821.9	9.02	79.85	79,848.90
OFF03-070709 (TO-13)	7/7/2009	50	44	0.14	1821.9	1831.95	10.05	84.14	84,140.80
OFF04									
OFF04-061609 (TO-4)	6/17/2009	32	32	0.121	1051.77	1060.33	8.56	62.33	62,332.90
OFF04-061809 (TO-4)	6/18/2009	40	40	0.138	1060.34	1069.62	9.28	77.03	77,025.20
OFF04-062309 (TO-4)	6/23/2009	40	40	0.138	1069.62	1079.23	9.61	79.37	79,365.80
OFF04-062509 (TO-4)	6/25/2009	22	20	0.095	1079.89	1089.82	9.93	56.33	56,329.40
OFF04-063009 (TO-4)	6/30/2009	32	30	0.117	1089.82	1098.95	9.13	64.02	64,019.60
OFF04-070209 (TO-4)	7/2/2009	50	46	0.154	1098.95	1107.76	8.81	81.43	81,427.00
OFF04-070709 (TO-4)	7/7/2009	56	52	0.162	1107.76	1116.98	9.22	89.57	89,565.50
OFF04-061609 (TO-9)	6/17/2009	32	31	0.096	4556.43	4564.97	8.54	48.97	48,973.70
OFF04-061809 (TO-9)	6/18/2009	36	34	0.103	4564.97	4574.27	9.3	57.48	57,482.10
OFF04-062309 (TO-9)	6/23/2009	44	44	0.119	4574.27	4583.87	9.6	68.73	68,730.80
OFF04-062509 (TO-9)	6/25/2009	44	40	0.116	4583.88	4594.47	10.59	73.8	73,797.00
OFF04-063009 (TO-9)	6/30/2009	48	46	0.122	4594.47	4603.6	9.13	67.02	67,015.80
OFF04-070209 (TO-9)	7/2/2009	50	48	0.129	4603.6	4612.41	8.81	68.33	68,334.30
OFF04-070709 (TO-9)	7/7/2009	58	56	0.14	4612.41	4621.63	9.22	77.3	77,297.90
OFF04-061609 (TO-13)	6/17/2009	36	39	0.075	909.82	918.36	8.54	38.26	38,258.40
OFF04-061809 (TO-13)	6/18/2009	48	46	0.091	918.37	927.65	9.28	50.68	50,675.40
OFF04-062309 (TO-13)	6/23/2009	28	28	0.056	927.65	937.26	9.61	32.34	32,344.40
OFF04-062509 (TO-13)	6/25/2009	24	24	0.048	937.26	947.85	10.59	30.37	30,366.00
OFF04-063009 (TO-13)	6/30/2009	28	26	0.052	947.85	956.98	9.13	28.72	28,723.20
OFF04-070209 (TO-13)	7/2/2009	45	40	0.084	956.98	965.79	8.81	44.46	44,457.90
OFF04-070709 (TO-13)	7/7/2009	54	48	0.094	965.79	975.01	9.22	52.01	52,005.60

Compound Listing

Modified TO-4A

CAS Number	Compound	Detection Limit	Type
		ug	
33213-65-9	Endosulfan II	0.10	
309-00-2	Aldrin	0.10	
8001-35-2	Toxaphene	1.0	
9999-9999-098	Aroclor 1016/1242	1.0	
11141-16-5	Aroclor-1232	1.0	
12672-29-6	Aroclor-1248	1.0	
11097-69-1	Aroclor-1254	1.0	
11096-82-5	Aroclor-1260	1.0	
877-09-8	2,4,5,6-Tetrachloro-m-xylene		
2051-24-3	Decachlorobiphenyl		
11104-28-2	Aroclor-1221	1.0	
319-84-6	alpha-BHC	0.10	
319-85-7	beta-BHC	0.10	
319-86-8	delta-BHC	0.10	
58-89-9	gamma-BHC (Lindane)	0.10	
5103-71-9	alpha-Chlordane	0.10	
5103-74-2	gamma-Chlordane	0.10	
72-54-8	4,4'-DDD	0.10	
72-55-9	4,4'-DDE	0.10	
50-29-3	4,4'-DDT	0.10	
60-57-1	Dieldrin	0.10	
959-98-8	Endosulfan I	0.10	
1031-07-8	Endosulfan Sulfate	0.10	
72-20-8	Endrin	0.10	
7421-93-4	Endrin Aldehyde	0.10	
53494-70-5	Endrin Ketone	0.10	
76-44-8	Heptachlor	0.10	
1024-57-3	Heptachlor Epoxide	0.10	
72-43-5	4,4'-Methoxychlor	1.0	

DATA REVIEW CHECKLIST

Work Order #:

0907167A

A₁ A₂ R T M Q
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☐ ☐ ☒ ☐ ☒ ☐
☐ ☐ ☒ ☐ ☒ ☐
☐ ☐ ☒ ☐ ☒ ☐

Analysis/Reporting vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc)
 The final report has the correct reporting list, special units, and header info.
 Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
 Sample Discrepancy Report (SDR) is completed

☐ ☐ ☒ ☐ ☒ ☐
☐ ☐ ☒ ☐ ☒ ☐

Corrective Action issued - # _____
 Unusual circumstances have been documented in the notes section below

LUMEN validation report present and initialed

CIRCLE (YES / NO)

☐ ☐ ☒ ☐ ☒ ☐
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Lab Blank, CCV, LCS and DUP met QC criteria
 Hold time is met for all samples
 Appropriate data qualifier flags are applied
 Manual integrations for samples and QC are properly documented
 Samples analyzed within the project or method specific clock
 Retention times have been verified
 Appropriate ICAL(s) included
 At least one result per sample is verified against the target quant sheets/raw data

☐ ☐ ☒ ☐ ☐ ☐
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Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))

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☐ ☐ ☒ ☐ ☐ ☐

Correct amount of sample analyzed (i.e. sample not over-diluted)
 Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)

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☐ ☐ ☒ ☐ ☐ ☐

TICs resemble reference spectra
 TICs between duplicate samples are consistent

☐ ☐ ☒ ☐ ☒ ☐
☐ ☐ ☒ ☐ ☒ ☐

Checked samples for trends (i.e. Influent vs. Effluent, Field Dups, Field/Trip Blank, etc.)
 Data for multiple analyses of sample(s) has been evaluated for comparability of results

☐ ☐ ☒ ☐ ☒ ☐
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Special units for all samples in the final report are correctly calculated
 Manually entered results checked (i.e. TPH/NMOC)

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Chain of Custody verified for any special comments (i.e. different compounds/RLs, action levels)
 Chain of Custody scanned correctly

☐ ☐ ☒ ☐ ☐ ☐
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Verify sample id's vs. chain of custody

☐ ☐ ☒ ☐ ☐ ☐
☐ ☐ ☒ ☐ ☐ ☐

Date MDL(s) performed per instrument(s) 3/4/09, 3/23/09, 12/18/08

☐ ☐ ☒ ☐ ☐ ☐
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Samples pressurized w/ appropriate gas (N₂ or He) ☒ Other (i.e. Tedlar bag, cartridge, sorbent)

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Final pressure consistent with canister size (6L vs. 1L)
 Verify receipt pressures

☐ ☐ ☒ ☐ ☐ ☐
☐ ☐ ☒ ☐ ☐ ☐

Verify canister ID #'s

☐ ☐ ☒ ☐ ☐ ☐
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Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.)

☐ ☐ ☒ ☐ ☐ ☐
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MDL date(s) present for all instruments utilized

☐ ☐ ☒ ☐ ☐ ☐
☐ ☐ ☒ ☐ ☐ ☐

Client LUMEN report reviewed for accuracy and completeness

Notes: (to include: noting samples with QA/QC problems, Blanks with positive hits, narratives, etc.)

A/R: Dup 01A (Analytical)

Report in $\mu\text{g}/\text{m}^3$ Vol. provided by the client.

M/Q:

A₁/A₂
 (Analytical Review/Date)

A₁: _____ R: 6/27/2009

A₂: _____ T: _____

R/T
 (Reporting Review/Date)

M
 (Management Review/Date)

Q
 (QA Review/Date)

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply.
 Note (2): Management reviewer and reporting reviewer must be separate individuals.

Rev. 02/20/09

Not Applicable