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Graczyk, Lisa

From: Radcliffe, Michael <Radcliffe.Michael@cleanharbors.com>
Sent: Monday, January 28, 2019 11:58 AM
To: Lambesis, Christopher; Graczyk, Lisa
Subject: FW: PCB Congener MDL and LLOQ study for EPA (Part 1)
Attachments: EPA_Memorandum_1_7_2019.docx; Data_LLOQ_MDL_1_7_19.xlsx; Updated_SOP_TotalPCB_1_9_2019.docx; 1 - Original_Method.pdf; 2 - LLOQ_determinations.pdf; 3 - First LLOQ method _ no120.pdf; 4 - Analytical_Method_with_120.pdf; 5 - LLOQ_Confirmation_with_QC.pdf; 6- First_set_MDL_QC_Blanks.pdf; 7 - First_set_MDL_Congeners_1_2.pdf; 8 - First_set_MDL_Congeners_3 _to_5.pdf; 9- Second_set_MDL_QC_Blanks.pdf; 10 - Second_set_MDL_Congener_1_QC.pdf; 11 - Second_set_MDL_Congeners_2_3.pdf

Dear Lisa and Christopher,
Attached is Part 1 of the study. Will send Part 2 shortly.

Please contact me with any questions.

Regards,
Michael

Michael Radcliffe | Sr Environmental Compliance Manager | Safety-Kleen |

| A Clean Harbors Company |Radcliffe.michael@cleanharbors.com|

| 219-391-6127 (o) 219-501-9468 (c) | safety-kleen.com

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Safety Starts with Me! Live it 3-6-5

From: Elizarraras-Nelson, Erika P.
Sent: Friday, January 25, 2019 1:06 PM
To: Radcliffe, Michael <Radcliffe.Michael@cleanharbors.com>; Shoff, Jason R <Jason.Shoff@safety-kleen.com>
Cc: Elizarraras-Nelson, Erika P. <Erika.Nelson@safety-kleen.com>; Chen, David <David.Chen@safety-kleen.com>; Dang, Hy <Hy.Dang@safety-kleen.com>
Subject: PCB Congener MDL and LLOQ study for EPA (Part 1)

January 25, 2019

Mike,

This is the first part (2 e-mails) with the response and data for PCB Congeners MDL and LLOQ for EPA. (Not sure if all of it can be sent in one e-mail to them, but in case it was too many, I sent it in two parts.) There are 21 pdf files.

Let me know if you have any questions.

Erika E Nelson Refinery Lab Manager | Safety-Kleen |A Clean Harbors Company |
East Chicago, IN | erika.nelson@safety-kleen.com
219-391-6115 (o) | 219-391-6185 (f) | safety-kleen.com

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MEMORANDUM

TO: Lisa Graczyk, Environmental Protection Agency

FROM: Erika Nelson, Laboratory Manager

DATE: January 7, 2019

SUBJECT: PCB CONGENER LLOQ AND MDL STUDY

The purpose of this document is to submit the information requested by EPA on an e-mail submitted on 10/12/18 to Denny Zawodni; and a follow up call on 10/19/2018.

EPA had requested an individual Method Detection Limit (MDL) on the 19 congeners (not as a total PCB congener), and a Lower Limit of Quantitation Limit (LLOQ) for the 19 congeners as well. Table 1 is a summary of the LLOQ and MDL for each of the 19 congeners, and the total PCB congener for each (the 10x dilution has already been taken into account). The PCB Stock Standard ID was used as an ID in the chromatograms, and is listed here as a guide.

Table 1. Summary of LLOQ and MDL for 19 congeners.

Congener ID	PCB Stock Standard ID	LLOQ (µg/g)	MDL (µg/g)
2-Clorobiphenyl	**2PCBS755**	0.050	0.010
2,3-Dichlorobiphenyl	**2PCBS756**	0.050	0.011
2,2,5-Trichlorobiphenyl	**2PCBS757**	0.050	0.003
2,4,5-Trichlorobiphenyl	**2PCBS758**	0.025	0.005
2,2,5,5-Tetrachlorobiphenyl	**2PCBS760**	0.040	0.007
2,2,3,5-Tetrachlorobiphenyl	**2PCBS759**	0.040	0.006
2,3,4,4-Tetrachlorobiphenyl	**2PCBS761**	0.025	0.003
2,2,4,5,5-Pentachlorobiphenyl	**2PCBS763**	0.025	0.005
2,2,3,4,5-Pentachlorobiphenyl	**2PCBS762**	0.010	0.002
2,3,3,4,6-Pentachlorobiphenyl	**2PCBS764**	0.025	0.008
2,2,3,5,5,6-Hexachlorobiphenyl	**2PCBS767**	0.025	0.003
2,2,4,4,5,5-Hexachlorobiphenyl	**2PCBS768**	0.025	0.002
2,2,3,4,5,5-Hexachlorobiphenyl	**2PCBS766**	0.025	0.004
2,2,3,4,4,5-Hexachlorobiphenyl	**2PCBS765**	0.025	0.006
2,2,3,4,5,5,6-Heptachlorobiphenyl	**2PCBS772**	0.025	0.005
2,2,3,4,4,5,6-Heptachlorobiphenyl	**2PCBS771**	0.025	0.002
2,2,3,4,4,5,5-Heptachlorobiphenyl	**2PCBS770**	0.040	0.002
2,2,3,3,4,4,5-Heptachlorobiphenyl	**2PCBS769**	0.025	0.002
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	**2PCBS773**	0.025	0.002
TOTAL PCB CONGENER		**0.580**	**0.088**

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LLOQ Study

A series of samples were run at various low concentrations and, for each congener, the lowest concentration that still allowed for a reliable 80-120% recovery was determined to be the LLOQ; see **Table 2**, **Table3**, and the chromatograms for this data (attached).

A five level calibration curve was then developed with the lowest level of the curve being each congener at its LLOQ. The congener concentrations in each standard can be seen in **Table 4.**

Table 4. Standard concentrations for 19 congeners.

Congener	LLOQ	Level 2 (ug/mL)	Level 3 (ug/mL)	Level 4 (ug/mL)	Level 5 (ug/mL)
2-Clorobiphenyl	0.005	0.01	0.02	0.04	0.08
2,3-Dichlorobiphenyl	0.005	0.01	0.02	0.04	0.08
2,2,5-Trichlorobiphenyl	0.005	0.01	0.02	0.04	0.08
2,4,5-Trichlorobiphenyl	0.0025	0.005	0.01	0.02	0.04
2,2,5,5-Tetrachlorobiphenyl	0.004	0.008	0.016	0.032	0.064
2,2,3,5-Tetrachlorobiphenyl	0.004	0.008	0.016	0.032	0.064
2,3,4,4-Tetrachlorobiphenyl	0.0025	0.005	0.01	0.02	0.04
2,2,4,5,5-Pentachlorobiphenyl	0.0025	0.005	0.01	0.02	0.04
2,2,3,4,5-Pentachlorobiphenyl	0.001	0.002	0.004	0.008	0.016
2,3,3,4,6-Pentachlorobiphenyl	0.0025	0.005	0.01	0.02	0.04
2,2,3,5,5,6-Hexachlorobiphenyl	0.0025	0.005	0.01	0.02	0.04
2,2,4,4,5,5-Hexachlorobiphenyl	0.0025	0.005	0.01	0.02	0.04
2,2,3,4,5,5-Hexachlorobiphenyl	0.0025	0.005	0.01	0.02	0.04
2,2,3,4,4,5-Hexachlorobiphenyl	0.0025	0.005	0.01	0.02	0.04
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.0025	0.005	0.01	0.02	0.04
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.0025	0.005	0.01	0.02	0.04
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.004	0.008	0.016	0.032	0.064
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.0025	0.005	0.01	0.02	0.04
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.0025	0.005	0.01	0.02	0.04
Decachlorobiphenyl	0.006	0.012	0.024	0.048	0.096
Total instrument PCB	0.0580	0.116	0.232	0.464	0.928
Total Sample PCB	0.580	1.16	2.32	4.64	9.28

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In order to confirm the LLOQ, three samples were prepared by spiking clean 120 HT oil at the LLOQ level for all congeners, and then it was analyzed. The resulting data is shown in **Table 5** and the chromatograms are attached along with the QC.

Table 5. Three samples run to confirm LLOQ for each congener.

2PCBS783 A (2.5558 g)	LLOQ (ug/g)	Area	Amount (ug/g)	Percent Recovery
2-Clorobiphenyl	0.050	101.1	0.054	108
2,3-Dichlorobiphenyl	0.050	1545.4	0.044	88
2,2,5-Trichlorobiphenyl	0.050	1405.7	0.047	94
2,4,5-Trichlorobiphenyl	0.025	993.3	0.028	114
2,2,5,5-Tetrachlorobiphenyl	0.040	1264.9	0.041	102
2,2,3,5-Tetrachlorobiphenyl	0.040	1594	0.033	82
2,3,4,4-Tetrachlorobiphenyl	0.025	1249.4	0.027	109
2,2,4,5,5-Pentachlorobiphenyl	0.025	1072.5	0.026	105
2,2,3,4,5-Pentachlorobiphenyl	0.010	600.2	0.010	95
2,3,3,4,6-Pentachlorobiphenyl	0.025	1586.9	0.030	118
2,2,3,5,5,6-Hexachlorobiphenyl	0.025	1299.9	0.027	108
2,2,4,4,5,5-Hexachlorobiphenyl	0.025	1217.3	0.029	115
2,2,3,4,5,5-Hexachlorobiphenyl	0.025	1878.1	0.029	118
2,2,3,4,4,5-Hexachlorobiphenyl	0.025	1481.5	0.025	101
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.025	1431.7	0.027	109
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.025	1494.8	0.030	120
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.040	2599.1	0.045	113
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.025	1736.4	0.026	106
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.025	2206.4	0.029	115
2PCBS783 B (2.5529 g)	**LLOQ (ug/g)**	**Area**	**Amount (ug/g)**	**Percent Recovery**
2-Clorobiphenyl	0.050	108.1	0.057	114
2,3-Dichlorobiphenyl	0.050	1688.7	0.050	99
2,2,5-Trichlorobiphenyl	0.050	1424.6	0.048	97
2,4,5-Trichlorobiphenyl	0.025	1017.9	0.029	117
2,2,5,5-Tetrachlorobiphenyl	0.040	1305	0.043	107
2,2,3,5-Tetrachlorobiphenyl	0.040	1608.8	0.033	83
2,3,4,4-Tetrachlorobiphenyl	0.025	1243	0.027	109
2,2,4,5,5-Pentachlorobiphenyl	0.025	1097.9	0.027	109
2,2,3,4,5-Pentachlorobiphenyl	0.010	604.4	0.010	97
2,3,3,4,6-Pentachlorobiphenyl	0.025	1596.1	0.030	120
2,2,3,5,5,6-Hexachlorobiphenyl	0.025	1302.6	0.027	108

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2,2,4,4,5,5-Hexachlorobiphenyl	0.025	1246.5	0.030	118
2,2,3,4,5,5-Hexachlorobiphenyl	0.025	1908	0.030	120
2,2,3,4,4,5-Hexachlorobiphenyl	0.025	1570.6	0.027	109
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.025	1468.1	0.028	113
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.025	1500.1	0.030	120
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.040	2748.5	0.048	120
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.025	1741.7	0.027	106
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.025	2275.4	0.030	119

Table 5. Three samples run to confirm LLOQ for each congener (continued).

2PCBS783 C (2.5446 g)	LLOQ (ug/g)	Area	Amount (ug/g)	Percent Recovery
2-Clorobiphenyl	0.050	94.5	0.052	103
2,3-Dichlorobiphenyl	0.050	1721.2	0.051	102
2,2,5-Trichlorobiphenyl	0.050	1456.6	0.050	101
2,4,5-Trichlorobiphenyl	0.025	986.9	0.028	113
2,2,5,5-Tetrachlorobiphenyl	0.040	1292.3	0.042	106
2,2,3,5-Tetrachlorobiphenyl	0.040	1670.5	0.036	89
2,3,4,4-Tetrachlorobiphenyl	0.025	1282.5	0.028	114
2,2,4,5,5-Pentachlorobiphenyl	0.025	1112.8	0.028	111
2,2,3,4,5-Pentachlorobiphenyl	0.010	603.6	0.010	97
2,3,3,4,6-Pentachlorobiphenyl	0.025	1588.8	0.030	119
2,2,3,5,5,6-Hexachlorobiphenyl	0.025	1276.4	0.026	105
2,2,4,4,5,5-Hexachlorobiphenyl	0.025	1223	0.029	116
2,2,3,4,5,5-Hexachlorobiphenyl	0.025	1867.3	0.029	117
2,2,3,4,4,5-Hexachlorobiphenyl	0.025	1584.7	0.028	111
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.025	1417	0.027	108
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.025	1458.3	0.029	117
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.040	2697.8	0.047	118
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.025	1823.1	0.028	113
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.025	2257.3	0.030	118

MDL Study

The Estimated MDL was determined as per The Definition and Procedure for the Determination of the Method Detection Limit Revision 2 Section 1(c) where the standard deviation of replicate runs is multiplied by three to get the Estimated MDL (the replicate runs used in this instance were the three runs used to determine the LLOQ). The Estimated MDL for each congener was then multiplied by 10, as instructed in Section 2, to determine the spiking concentration to be used in the procedure for determining the Initial MDL. The data for determining the initial MDL spiking concentration is in **Table 6**.

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Samples of 120 HT were spiked at the concentrations given in **Table 6** and processed through the preparation/clean-up procedure described in the congener method. The first set appeared to have an issue with a shifting retention time of the later eluting congeners. This was determined to be the result of a difference between the sample and the standard matrix. This method is based on the Aroclor method where this difference is not an issue as the sample is diluted by a factor of 100 before analysis which causes the sample and standard matrix to match more closely. However, the congener method calls for the sample to be diluted by a factor of only 10. This issue was remedied by producing standards in a solution of isooctane and 10% 120 HT. A new set of standards were made and the GC was recalibrated thus resolving the retention time issue (the LLOQ confirmation **Table 5** was analyzed using this new calibration).

Table 6. Estimated MDL spiking concentration

Congener	Sample Concentration (ug/mL)	Run 1 (ug/mL)	Run 2 (ug/mL)	Run 3 (ug/mL)	Standard Deviation	Estimated MDL (ug/mL)	Spiking Concentration (ug/mL)
2-Clorobiphenyl	0.05	0.044	0.047	0.041	0.00244949	0.0073	0.073
2,3-Dichlorobiphenyl	0.05	0.044	0.045	0.046	0.0008165	0.0024	0.024
2,2,5-Trichlorobiphenyl	0.05	0.043	0.044	0.045	0.0008165	0.0024	0.024
2,4,5-Trichlorobiphenyl	0.025	0.022	0.022	0.021	0.0004714	0.0014	0.014
2,2,5,5-Tetrachlorobiphenyl	0.04	0.037	0.035	0.033	0.00163299	0.0049	0.049
2,2,3,5-Tetrachlorobiphenyl	0.04	0.035	0.035	0.034	0.0004714	0.0014	0.014
2,3,4,4-Tetrachlorobiphenyl	0.025	0.022	0.024	0.023	0.0008165	0.0024	0.024
2,2,4,5,5-Pentachlorobiphenyl	0.04	0.037	0.036	0.034	0.00124722	0.0037	0.037
2,2,3,4,5-Pentachlorobiphenyl	0.025	0.025	0.026	0.025	0.0004714	0.0014	0.014
2,3,3,4,6-Pentachlorobiphenyl	0.025	0.022	0.023	0.022	0.0004714	0.0014	0.014
2,2,3,5,5,6-Hexachlorobiphenyl	0.025	0.022	0.024	0.023	0.0008165	0.0024	0.024
2,2,4,4,5,5-Hexachlorobiphenyl	0.025	0.023	0.024	0.023	0.0004714	0.0014	0.014
2,2,3,4,5,5-Hexachlorobiphenyl	0.025	0.025	0.027	0.026	0.0008165	0.0024	0.024
2,2,3,4,4,5-Hexachlorobiphenyl	0.025	0.021	0.023	0.023	0.00094281	0.0028	0.028
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.025	0.026	0.027	0.027	0.0004714	0.0014	0.014
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.025	0.026	0.027	0.027	0.0004714	0.0014	0.014
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.04	0.045	0.043	0.043	0.00094281	0.0028	0.028
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.025	0.027	0.028	0.028	0.0004714	0.0014	0.014
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.025	0.025	0.026	0.025	0.0004714	0.0014	0.014

Following the procedure laid out in The Definition and Procedure for the Determination of the Method Detection Limit Revision 2 each congener was analyzed at the concentration listed in **Table 6** a total of seven times along with sample blanks over a period of three separate calendar days. The 19 congeners were broken up into four batches consisting of three batches of five congeners and one batch of four. The process for using this data to derive the MDL is described below along with the data in **Table 7**. The chromatograms and table are attached.

The instrument concentration is determined using the line formula Y=mX + b where Y is the peak area, m is the slope, and b is the y-intercept. This value in ug/mL was then multiplied by 30 mL (the total volume of the sample preparation) and divided by the weight of the sample in grams. This gives a sample concentration in ug/g.

MDLs = (Method Detection Limit sample) and is determined by multiplying the standard deviation of seven runs by the student t value for 6 degrees of freedom which is 3.143.

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MDLb = (Method Detection Limit blank) and is determined in one of three ways depending on the results of the seven blank runs. 1. If all seven runs result in non-detect the MDLb is considered non-detect. 2. If the results vary between numerical results (including negative numbers) and non-detect, the highest area is used to calculate the amount using the line formula and factoring in the dilution factors from the sample preparation. That singular result is then used as the MDLb. 3. If all seven runs give numerical results (again, this includes negative results), then MDLb is calculated similarly to the way MDLs was calculated except that the result of the product of the student t value 3.143 and the standard deviation of the seven runs is added to the average value of the seven runs (set the average to zero if the average is negative).

The final MDL is then the higher of the two MDLs and MDLb.

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Table 2. LLOQ Data

Congener 1	R.T. (min)	LLOQ (ug/mL)	Result (ug/mL)	% Recovery	Average percent recovery
2-Clorobiphenyl	3.316	0.005	0.0044	88	88.0
			0.0047	94	
			0.0041	82	
		0.0025	0.0021	84	76.0
			0.0018	72	
			0.0018	72	
		0.004	0.0028	70	63.3
			0.0023	58	
			0.0025	63	
Congener 2	**R.T. (min)**	**LLOQ (ug/mL)**	**Result (ug/mL)**	**% Recovery**	**Average percent recovery**
2,3-Dichlorobiphenyl	4.601	0.005	0.0044	88	90.0
			0.0045	90	
			0.0046	92	
		0.0025	0.0021	84	77.3
			0.0019	76	
			0.0018	72	
		0.004	0.0038	95	84.2
			0.0032	80	
			0.0031	77.5	
		0.001	0	0	0.0
			0	0	
			0	0	
Congener 3	**R.T. (min)**	**LLOQ (ug/mL)**	**Result (ug/mL)**	**% Recovery**	**Average percent recovery**
2,2,5-Trichlorobiphenyl	5.078	0.005	0.0043	86	88.0
			0.0044	88	
			0.0045	90	
		0.0025	0.0014	56	57.3
			0.0015	60	
			0.0014	56	
		0.004	0.0031	77.5	75.8
			0.0031	77.5	
			0.0029	72.5	
		0.001	0	0	0.0
			0	0	
			0	0	

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Congener 4	R.T. (min)	LLOQ (ug/mL)	Result (ug/mL)	% Recovery	Average percent recovery
2,4,5-Trichlorobiphenyl	5.594	0.005	0.0048	96	98.7
			0.0051	102	
			0.0049	98	
		0.0025	0.0022	88	86.7
			0.0022	88	
			0.0021	84	
		0.004	0.0037	92.5	90.0
			0.0036	90	
			0.0035	87.5	
		0.001	0.0005	50	50.0
			0.0005	50	
			0.0005	50	
Congener 5	**R.T. (min)**	**LLOQ (ug/mL)**	**Result (ug/mL)**	**% Recovery**	**Average percent recovery**
2,2,5,5-Tetrachlorobiphenyl	5.944	0.005	0.0049	98	98.7
			0.0049	98	
			0.005	100	
		0.0025	0.0018	72	80.0
			0.0021	84	
			0.0021	84	
		0.004	0.0037	92.5	87.5
			0.0035	87.5	
			0.0033	82.5	
		0.001	0.0003	30	30.0
			0.0003	30	
			0.0003	30	
Congener 6	**R.T. (min)**	**LLOQ (ug/mL)**	**Result (ug/mL)**	**% Recovery**	**Average percent recovery**
2,2,3,5-Tetrachlorobiphenyl	6.131	0.005	0.0048	96	96.0
			0.0048	96	
			0.0048	96	
		0.0025	0.002	80	80.0
			0.002	80	
			0.002	80	
		0.004	0.0035	87.5	86.7
			0.0035	87.5	
			0.0034	85	
		0.001	0.0004	40	20.0
			0.0004	10	
			0.0004	10	

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Congener 7	R.T. (min)	LLOQ (ug/mL)	Result (ug/mL)	% Recovery	Average percent recovery
2,3,4,4-Tetrachlorobiphenyl	6.562	0.005	0.0048	96	95.3
			0.0048	96	
			0.0047	94	
		0.0025	0.0022	88	92.0
			0.0024	96	
			0.0023	92	
		0.004	0.0039	97.5	95.0
			0.0038	95	
			0.0037	92.5	
		0.001	0.0007	70	63.3
			0.0006	60	
			0.0006	60	

Congener 8	R.T. (min)	LLOQ (ug/mL)	Result (ug/mL)	% Recovery	Average percent recovery
2,2,4,5,5-Pentachlorobiphenyl	6.778	0.005	0.0046	92	94.0
			0.0047	94	
			0.0048	96	
		0.0025	0.0019	76	84.0
			0.0022	88	
			0.0022	88	
		0.004	0.0037	92.5	89.2
			0.0036	90	
			0.0034	85	
		0.001	0.0005	50	50.0
			0.0005	50	
			0.0005	50	

Congener 9	R.T. (min)	LLOQ (ug/mL)	Result (ug/mL)	% Recovery	Average percent recovery
2,2,3,4,5-Pentachlorobiphenyl	7.026	0.005	0.0051	102	102.7
			0.0051	102	
			0.0052	104	
		0.0025	0.0025	100	101.3
			0.0026	104	
			0.0025	100	
		0.004	0.0039	97.5	97.5
			0.0039	97.5	
			0.0039	97.5	
		0.001	0.0011	110	110.0
			0.0011	110	
			0.0011	110	

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Congener 10	R.T. (min)	LLOQ (ug/mL)	Result (ug/mL)	% Recovery	Average percent recovery
2,3,3,4,6-Pentachlorobiphenyl	7.109	0.005	0.0049	98	98.7
			0.0049	98	
			0.005	100	
		0.0025	0.0022	88	89.3
			0.0023	92	
			0.0022	88	
		0.004	0.0037	92.5	91.7
			0.0037	92.5	
			0.0036	90	
		0.001	0.0007	70	70.0
			0.0007	70	
			0.0007	70	
Congener 11	**R.T. (min)**	**LLOQ (ug/mL)**	**Result (ug/mL)**	**% Recovery**	**Average percent recovery**
2,2,3,5,5,6-Hexachlorobiphenyl	7.21	0.005	0.0048	96	98.0
			0.0049	98	
			0.005	100	
		0.0025	0.0022	88	92.0
			0.0024	96	
			0.0023	92	
		0.004	0.0038	95	92.5
			0.0037	92.5	
			0.0036	90	
		0.001	0.0008	80	80.0
			0.0008	80	
			0.0008	80	
Congener 12	**R.T. (min)**	**LLOQ (ug/mL)**	**Result (ug/mL)**	**% Recovery**	**Average percent recovery**
2,2,4,4,5,5-Hexachlorobiphenyl	7.558	0.005	0.0049	98	100.0
			0.005	100	
			0.0051	102	
		0.0025	0.0023	92	93.3
			0.0024	96	
			0.0023	92	
		0.004	0.0038	95	94.2
			0.0038	95	
			0.0037	92.5	
		0.001	0.0008	80	80.0
			0.0008	80	
			0.0008	80	

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Congener 13	R.T. (min)	LLOQ (ug/mL)	Result (ug/mL)	% Recovery	Average percent recovery
2,2,3,4,5,5-Hexachlorobiphenyl	7.671	0.005	0.0051	102	103.3
			0.0052	104	
			0.0052	104	
		0.0025	0.0025	100	104.0
			0.0027	108	
			0.0026	104	
		0.004	0.004	100	99.2
			0.004	100	
			0.0039	97.5	
		0.001	0.0012	120	120.0
			0.0012	120	
			0.0012	120	

Congener 14	R.T. (min)	LLOQ (ug/mL)	Result (ug/mL)	% Recovery	Average percent recovery
2,2,3,4,4,5-Hexachlorobiphenyl	7.798	0.005	0.0047	94	97.3
			0.0049	98	
			0.005	100	
		0.0025	0.0021	84	89.3
			0.0023	92	
			0.0023	92	
		0.004	0.0037	92.5	91.7
			0.0037	92.5	
			0.0036	90	
		0.001	0.0007	70	70.0
			0.0007	70	
			0.0007	70	

Congener 15	R.T. (min)	LLOQ (ug/mL)	Result (ug/mL)	% Recovery	Average percent recovery
2,2,3,4,5,5,6-Heptachlorobiphenyl	7.927	0.005	0.0052	104	105.3
			0.0053	106	
			0.0053	106	
		0.0025	0.0026	104	106.7
			0.0027	108	
			0.0027	108	
		0.004	0.0041	102.5	101.7
			0.0041	102.5	
			0.004	100	
		0.001	0.0012	120	120.0
			0.0012	120	
			0.0012	120	

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Congener 16	R.T. (min)	LLOQ (ug/mL)	Result (ug/mL)	% Recovery	Average percent recovery
2,2,3,4,4,5,6-Heptachlorobiphenyl	7.976	0.005	0.0052	104	104.7
			0.0052	104	
			0.0053	106	
		0.0025	0.0026	104	106.7
			0.0027	108	
			0.0027	108	
		0.004	0.0041	102.5	100.0
			0.004	100	
			0.0039	97.5	
		0.001	0.0012	120	120.0
			0.0012	120	
			0.0012	120	
Congener 17	**R.T. (min)**	**LLOQ (ug/mL)**	**Result (ug/mL)**	**% Recovery**	**Average percent recovery**
2,2,3,4,4,5,5-Heptachlorobiphenyl	8.395	0.005	0.0055	110	109.3
			0.0055	110	
			0.0054	108	
		0.0025	0.0030	120	121.3
			0.0031	124	
			0.0030	120	
		0.004	0.0045	112.5	109.2
			0.0043	107.5	
			0.0043	107.5	
		0.001	0.0013	130	143.3
			0.0014	140	
			0.0016	160	
Congener 18	**R.T. (min)**	**LLOQ (ug/mL)**	**Result (ug/mL)**	**% Recovery**	**Average percent recovery**
2,2,3,3,4,4,5-Heptachlorobiphenyl	8.637	0.005	0.0052	104	104.0
			0.0052	104	
			0.0052	104	
		0.0025	0.0027	108	110.7
			0.0028	112	
			0.0028	112	
		0.004	0.0041	102.5	102.5
			0.0041	102.5	
			0.0041	102.5	
		0.001	0.0013	130	136.7
			0.0014	140	
			0.0014	140	

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Congener 19	R.T. (min)	LLOQ (ug/mL)	Result (ug/mL)	% Recovery	Average percent recovery
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	9.526	0.005	0.0052	104	104.0
			0.0052	104	
			0.0052	104	
		0.0025	0.0025	100	101.3
			0.0026	104	
			0.0025	100	
		0.004	0.0039	97.5	97.5
			0.0039	97.5	
			0.0039	97.5	
		0.001	0.0012	120	120.0
			0.0012	120	
			0.0012	120	
Congener DCB	**R.T. (min)**	**LLOQ (ug/mL)**	**Result (ug/mL)**	**% Recovery**	**Average percent recovery**
Decachlorobiphenyl	9.858	0.005	0.0046	92	92.7
			0.0046	92	
			0.0047	94	
		0.0025	0.0019	76	74.7
			0.0019	76	
			0.0018	72	
		0.004	0.0033	82.5	83.3
			0.0034	85	
			0.0033	82.5	
		0.001	0.0004	40	40.0
			0.0004	40	
			0.0004	40	

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Table 3. Summary of LLOQ results

Congener ID	R.T. (min)	LLOQ (µg/ml)	% Recovery	Recovery Average %
2-Clorobiphenyl	3.316	0.005	88.0	88.0
			94.0	
			82.0	
2,3-Dichlorobiphenyl	4.601	0.005	88.0	90.0
			90.0	
			92.0	
2,2,5-Trichlorobiphenyl	5.078	0.005	86.0	88.0
			88.0	
			90.0	
2,4,5-Trichlorobiphenyl	5.594	0.0025	88.0	86.7
			88.0	
			84.0	
2,2,5,5-Tetrachlorobiphenyl	5.944	0.004	92.5	87.5
			87.5	
			82.5	
2,2,3,5-Tetrachlorobiphenyl	6.131	0.004	87.5	86.7
			87.5	
			85.0	
2,3,4,4-Tetrachlorobiphenyl	6.562	0.0025	88.0	92.0
			96.0	
			92.0	
2,2,4,5,5-Pentachlorobiphenyl	6.778	0.0025	76.0	84.0
			88.0	
			88.0	
2,2,3,4,5-Pentachlorobiphenyl	7.026	0.001	110.0	110
			110.0	
			110.0	
2,3,3,4,6-Pentachlorobiphenyl	7.109	0.0025	88.0	89.3
			92.0	
			88.0	

Congener ID	R.T. (min)	LLOQ (µg/ml)	% Recovery	Recovery Average %
2,2,3,5,5,6-Hexachlorobiphenyl	7.21	0.0025	88.0	92.0
			96.0	
			92.0	
2,2,4,4,5,5-Hexachlorobiphenyl	7.558	0.0025	92.0	93.3
			96.0	
			92.0	
2,2,3,4,5,5-Hexachlorobiphenyl	7.671	0.0025	100.0	104
			108.0	
			104.0	
2,2,3,4,4,5-Hexachlorobiphenyl	7.798	0.0025	84.0	89.3
			92.0	
			92.0	
2,2,3,4,5,5,6-Heptachlorobiphenyl	7.927	0.0025	104.0	107
			108.0	
			108.0	
2,2,3,4,4,5,6-Heptachlorobiphenyl	7.976	0.0025	104.0	107
			108.0	
			108.0	
2,2,3,4,4,5,5-Heptachlorobiphenyl	8.395	0.004	112.5	109
			107.5	
			107.5	
2,2,3,3,4,4,5-Heptachlorobiphenyl	8.637	0.0025	108.0	111
			112.0	
			112.0	
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	9.526	0.0025	100.0	101
			104.0	
			100.0	
Decachlorobiphenyl	9.858	0.005	92.0	92.7
			92.0	
			94.0	

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Table 7. MDL Data

Sample Spike Data									1
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs (ug/g)	MDL
2-Clorobiphenyl	11/28/2018	2.5487	129.9	-26.14149	27592.36915	0.067	0.0031539	0.010	0.010
		2.5604	120.8			0.062			
		2.5344	113.2			0.060			
	11/29/2018	2.5649	120.2			0.062			
		2.5098	118.7			0.063			
	11/30/2018	2.5408	118.9			0.062			
		2.5264	136.2			0.070			
Sample Blank Data									
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb (ug/g)	
2-Clorobiphenyl	11/28/2018	2.5290	ND	-26.14149	27592.36915			ND	
		2.5536	ND						
		2.5671	ND						
	11/29/2018	2.5400	ND						
		2.5578	ND						
	11/30/2018	2.5569	ND						
		2.5298	ND						

Sample Spike Data									2
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs (ug/g)	MDL
2,3-Dichlorobiphenyl	11/28/2018	2.5461	719.4	435.24707	297264.67364	0.011	0.0034747	0.011	0.011
		2.5470	709.9			0.011			
		2.5551	724.7			0.011			
	11/29/2018	2.5421	938.7			0.020			
		2.5496	869.3			0.017			
	11/30/2018	2.5536	893.0			0.018			
		2.5497	771.5			0.013			
Sample Blank Data									
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb (ug/g)	
2,3-Dichlorobiphenyl	11/28/2018	2.5290	113.4	435.24707	297264.67364			-0.009	0.011
		2.5536	ND						
		2.5671	95.3						
	11/29/2018	2.5400	196.4			-0.009			
		2.5578	195						
	11/30/2018	2.5569	124.3						
		2.5298	ND						

Sample Spike Data									3
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs (ug/g)	MDL
2,2,5-Trichlorobiphenyl	11/28/2018	2.5487	685.4	615.36338	196977.10184	0.004	0.0010414	0.003	0.003
		2.5553	660.8			0.003			
		2.5440	711.4			0.006			
	11/29/2018	2.5593	696.4			0.005			
		2.5619	715.1			0.006			
	11/30/2018	2.5502	703.3			0.005			
		2.5701	708.3			0.006			
Sample Blank Data									
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb (ug/g)	
2,2,5-Trichlorobiphenyl	11/28/2018	2.5290	56.4	615.36338	196977.10184	-0.033662	0.00093552	0.003	0.003
		2.5536	85.9			-0.031578			
		2.5671	93.7			-0.030949			
	11/29/2018	2.5400	87.9			-0.032			
		2.5578	104			-0.030449			
	11/30/2018	2.5569	83.9			-0.031657			
		2.5298	82.9			-0.032056			

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Sample Spike Data									4
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs (ug/g)	MDL
2,4,5-Trichlorobiphenyl	11/28/2018	2.5457	560.4	237.58869	312171.33284	0.031	0.0014926	0.005	0.005
		2.5369	586.2			0.034			
		2.5411	601.2			0.035			
	11/29/2018	2.5333	572.1			0.032			
		2.5296	609.2			0.036			
	11/30/2018	2.5505	579.9			0.033			
		2.5806	591.8			0.034			
Sample Blank Data									
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb (ug/g)	
2,4,5-Trichlorobiphenyl	11/28/2018	2.5290	ND	237.58869	312171.33284			-0.007	
		2.5536	ND						
		2.5671	ND						
	11/29/2018	2.5400	64.6			-0.007			
		2.5578	ND						
	11/30/2018	2.5569	ND						
		2.5298	ND						

Sample Spike Data									5
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs (ug/g)	MDL
2,2,5,5-Tetrachlorobiphenyl	11/28/2018	2.5646	1422.6	420.63493	242877.52344	0.048	0.0021313	0.007	0.007
		2.5548	1399.8			0.047			
		2.5603	1471.2			0.051			
	11/29/2018	2.5450	1449.6			0.050			
		2.5481	1466.7			0.051			
	11/30/2018	2.5498	1451.6			0.050			
		2.5321	1539.6			0.055			
Sample Blank Data									
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb (ug/g)	
2,2,5,5-Tetrachlorobiphenyl	11/28/2018	2.5290	23.4	420.63493	242877.52344	-0.019401	0.0018991	0.006	
		2.5536	52.7			-0.017797			
		2.5671	29.1			-0.018839			
	11/29/2018	2.5400	125.1			-0.014			
		2.5578	117.5			-0.014639			
	11/30/2018	2.5569	96.7			-0.015649			
		2.5298	103.4			-0.015489			

Sample Spike Data									6
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs (ug/g)	MDL
2,2,3,5-Tetrachlorobiphenyl	12/13/2018	2.5314	800.9	713.27638	316833.80283	0.003	0.0018151	0.006	0.006
		2.5523	819.6			0.004			
		2.5456	796.6			0.003			
	12/14/2018	2.5635	813.9			0.004			
		2.5295	904.1			0.007			
	12/15/2018	2.5395	917.5			0.008			
		2.5618	796.6			0.003			
Sample Blank Data									
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb (ug/g)	
2,2,3,5-Tetrachlorobiphenyl	11/29/2018	2.5579	77.1	713.27638	316833.80283	-0.02355	0.00033712	0.001	
		2.5549	78.1			-0.02354			
		2.5488	77.7			-0.023611			
	11/30/2018	2.5470	99.2			-0.023			
		2.5522	99.9			-0.022756			
	12/4/2018	2.5274	85			-0.023538			
		2.5440	89.1			-0.023232			

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Sample Spike Data									7
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs (ug/g)	MDL
2,3,4,4-Tetrachlorobiphenyl	11/29/2018	2.5537	1149.5	326.46945	395907.14033	0.024	0.00081474	0.003	0.003
		2.5750	1204.9			0.026			
		2.5615	1171.9			0.025			
	11/30/2018	2.5729	1135.6			0.024			
		2.5317	1171.3			0.025			
	12/4/2018	2.5408	1168.5			0.025			
		2.5568	1220.9			0.027			
Sample Blank Data									
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb (ug/g)	
2,3,4,4-Tetrachlorobiphenyl	11/29/2018	2.5579	ND	326.46945	395907.14033			-0.006	
		2.5549	49.5						
		2.5488	ND						
	11/30/2018	2.5470	52.2						
		2.5522	52.0						
	12/4/2018	2.5274	141.9			-0.005534			
		2.5440	47.7						

Sample Spike Data									8
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs (ug/g)	MDL
2,2,4,5,5-Pentachlorobiphenyl	11/29/2018	2.5602	1470.5	353.56820	321335.34126	0.041	0.0015502	0.005	0.005
		2.5371	1503.3			0.042			
		2.5399	1498.6			0.042			
	11/30/2018	2.5401	1408.2			0.039			
		2.5280	1528.2			0.043			
	12/4/2018	2.5480	1489.3			0.042			
		2.5315	1538.3			0.044			
Sample Blank Data									
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb (ug/g)	
2,2,4,5,5-Pentachlorobiphenyl	11/29/2018	2.5579	24.9	353.56820	321335.34126	-0.011996	0.00074956	0.002	
		2.5549	19.5			-0.012207			
		2.5488	75.6			-0.010182			
	11/30/2018	2.5470	24.8			-0.012			
		2.5522	23.2			-0.012085			
	12/4/2018	2.5274	66.1			-0.010619			
		2.5440	34.5			-0.011709			

Sample Spike Data									9
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs (ug/g)	MDL
2,2,3,4,5-Pentachlorobiphenyl	11/29/2018	2.5372	772.2	225.66333	461196.55289	0.014	0.00074370	0.002	0.002
		2.5583	764.3			0.014			
		2.5371	752.8			0.014			
	11/30/2018	2.5398	803.5			0.015			
		2.5481	785.5			0.014			
	12/4/2018	2.5407	777.6			0.014			
		2.5488	848.4			0.016			
Sample Blank Data									
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb (ug/g)	
2,2,3,4,5-Pentachlorobiphenyl	11/29/2018	2.5579	18.1	225.66333	461196.55289			-0.004	
		2.5549	ND						
		2.5488	50.2			-0.004478			
	11/30/2018	2.5470	18.5						
		2.5522	9.5						
	12/4/2018	2.5274	ND						
		2.5440	15.9						

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Sample Spike Data									10
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs (ug/g)	MDL
2,3,3,4,6-Pentachlorobiphenyl	11/29/2018	2.5512	968.6	505.76665	428751.39068	0.013	0.0026125	0.008	0.008
		2.5463	1010.9			0.014			
		2.5372	931.2			0.012			
	11/30/2018	2.5434	925.3			0.012			
		2.5528	1013.9			0.014			
	12/4/2018	2.5331	1148.1			0.018			
		2.5239	1178.1			0.019			
Sample Blank Data									
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb (ug/g)	
2,3,3,4,6-Pentachlorobiphenyl	11/29/2018	2.5579	138.6	505.76665	428751.39068	-0.010044	0.0014905	0.005	
		2.5549	115.4			-0.010691			
		2.5488	127.1			-0.010395			
	11/30/2018	2.5470	121.8			-0.011			
		2.5522	136.2			-0.010132			
	12/4/2018	2.5274	257.2			-0.006882			
		2.5440	239.3			-0.007329			

Sample Spike Data									11
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs (ug/g)	MDL
2,2,3,5,5,6-Hexachlorobiphenyl	12/4/2018	2.5693	1259.4	342.43757	417773.72272	0.026	0.0010234	0.003	0.003
		2.5518	1316.8			0.027			
		2.5405	1273.6			0.026			
	12/5/2018	2.5316	1228.3			0.025			
		2.5431	1232.0			0.025			
	12/6/2018	2.5422	1208.4			0.024			
		2.5472	1202.1			0.024			
Sample Blank Data									
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb (ug/g)	
2,2,3,5,5,6-Hexachlorobiphenyl	12/4/2018	2.5457	ND	342.43757	417773.72272			ND	
		2.5682	ND						
		2.5415	ND						
	12/5/2018	2.5398	ND						
		2.5528	ND						
	12/6/2018	2.5489	ND						
		2.5389	ND						

Sample Spike Data									12
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs (ug/g)	MDL
2,2,4,4,5,5-Hexachlorobiphenyl	12/4/2018	2.5398	770.0	240.40590	399515.63786	0.016	0.00057367	0.002	0.002
		2.5430	792.1			0.016			
		2.5406	801.3			0.017			
	12/5/2018	2.5643	742.9			0.015			
		2.5474	774.4			0.016			
	12/6/2018	2.5397	756.0			0.015			
		2.5566	773.4			0.016			
Sample Blank Data									
	Prep/Analysis Date	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb (ug/g)	
2,2,4,4,5,5-Hexachlorobiphenyl	12/4/2018	2.5457	29.5	240.40590	399515.63786			-0.006	
		2.5682	43.2						
		2.5415	37.1						
	12/5/2018	2.5398	28.5						
		2.5528	44.1			-0.005774			
	12/6/2018	2.5489	nd						
		2.5389	nd						

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Sample Spike Data										13
	Prep/Analysis (g)	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs	MDL	
2,2,3,4,5,5-Hexachlorobiphenyl	12/4/2018	2.5302	1790.8	387.54459	593939.40863	0.028	0.0012680	0.004	0.004	
		2.5577	1671.6			0.025				
		2.5409	1800.5			0.028				
	12/5/2018	2.5510	1722.0			0.026				
		2.5614	1736.9			0.027				
	12/6/2018	2.5567	1615.0			0.024				
		2.5585	1713.3			0.026				
Sample Blank Data										
	Prep/Analysis (g)	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb		
2,2,3,4,5,5-Hexachlorobiphenyl	12/4/2018	2.5457	69.6	387.54459	593939.40863			-0.002		
		2.5682	57.7							
		2.5415	60.8							
	12/5/2018	2.5398	244.4							
		2.5528	271.2			-0.002302				
	12/6/2018	2.5489	42.8							
		2.5389	nd							

Sample Spike Data										14
	Prep/Analysis (g)	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs	MDL	
2,2,3,4,4,5-Hexachlorobiphenyl	12/4/2018	2.5687	1795.7	442.34691	485457.77850	0.033	0.0018864	0.006	0.006	
		2.5429	1705.4			0.031				
		2.5499	1670.2			0.030				
	12/5/2018	2.5432	1690.8			0.030				
		2.5326	1676.8			0.030				
	12/6/2018	2.5363	1510.8			0.026				
		2.5588	1617.9			0.028				
Sample Blank Data										
	Prep/Analysis (g)	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb		
2,2,3,4,4,5-Hexachlorobiphenyl	12/4/2018	2.5457	59.6	442.34691	485457.77850	-0.009291	0.0019610	0.006	0.006	
		2.5682	40.3			-0.009674				
		2.5415	278.7			-0.003979				
	12/5/2018	2.5398	203.4			-0.006				
		2.5528	231.0			-0.005116				
	12/6/2018	2.5489	189.8			-0.006123				
		2.5389	194.2			-0.00604				

Sample Spike Data										15
	Prep/Analysis (g)	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs	MDL	
2,2,3,4,5,5,6-Heptachlorobiphenyl	12/4/2018	2.5627	884.6	342.90286	469856.90800	0.013	0.0016122	0.005	0.005	
		2.5638	1053.0			0.018				
		2.5454	979.7			0.016				
	12/5/2018	2.5494	900.7			0.014				
		2.5279	1009.5			0.017				
	12/6/2018	2.5574	883.8			0.014				
		2.5481	899.1			0.014				
Sample Blank Data										
	Prep/Analysis (g)	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb		
2,2,3,4,5,5,6-Heptachlorobiphenyl	12/4/2018	2.5457	47.6	342.90286	469856.90800	-0.007407	0.00076979	0.002	0.005	
		2.5682	105.6			-0.0059				
		2.5415	18.8			-0.008142				
	12/5/2018	2.5398	112.6			-0.006				
		2.5528	69.4			-0.006841				
	12/6/2018	2.5489	59.6			-0.007097				
		2.5389	57.8			-0.00717				

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Sample Spike Data										16
	Prep/Analysis (g)	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs	MDL	
2,2,3,4,4,5,6-Heptachlorobiphenyl	12/5/2018	2.5347	953.6	126.95500	537140.82241	0.018	0.00048088	0.002	0.002	
		2.5300	926.6			0.018				
		2.5581	959.3			0.018				
	12/6/2018	2.5492	916.6			0.017				
		2.5465	926.8			0.018				
	12/7/2018	2.5408	956.2			0.018				
		2.5476	897.1			0.017				
Sample Blank Data										
	Prep/Analysis (g)	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb		
2,2,3,4,4,5,6-Heptachlorobiphenyl	12/5/2018	2.5395	ND	126.95500	537140.82241			ND		
		2.5430	ND							
		2.5342	ND							
	12/6/2018	2.5556	ND							
		2.5446	ND							
	12/7/2018	2.5544	ND							
		2.5500	ND							

Sample Spike Data										17
	Prep/Analysis (g)	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs	MDL	
2,2,3,4,4,5,5-Heptachlorobiphenyl	12/5/2018	2.5405	1994.4	283.09222	603230.62478	0.034	0.00077269	0.002	0.002	
		2.5411	2081.9			0.035				
		2.5448	2014.4			0.034				
	12/6/2018	2.5389	1956.3			0.033				
		2.5486	2025.1			0.034				
	12/7/2018	2.5681	1974.3			0.033				
		2.5535	2019.7			0.034				
Sample Blank Data										
	Prep/Analysis (g)	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb		
2,2,3,4,4,5,5-Heptachlorobiphenyl	12/5/2018	2.5395	ND	283.09222	603230.62478			ND		
		2.5430	ND							
		2.5342	ND							
	12/6/2018	2.5556	ND							
		2.5446	ND							
	12/7/2018	2.5544	ND							
		2.5500	ND							

Sample Spike Data										18
	Prep/Analysis (g)	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs	MDL	
2,2,3,3,4,4,5-Heptachlorobiphenyl	12/5/2018	2.5605	1008.2	351.88760	614391.22472	0.013	0.00054246	0.002	0.002	
		2.5378	983.5			0.012				
		2.5769	1034.2			0.013				
	12/6/2018	2.5638	945.6			0.011				
		2.5396	1030.6			0.013				
	12/7/2018	2.5505	984.0			0.012				
		2.5454	987.2			0.012				
Sample Blank Data										
	Prep/Analysis (g)	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb		
2,2,3,3,4,4,5-Heptachlorobiphenyl	12/5/2018	2.5395	ND	351.88760	614391.22472			ND		
		2.5430	ND							
		2.5342	ND							
	12/6/2018	2.5556	ND							
		2.5446	ND							
	12/7/2018	2.5544	ND							
		2.5500	ND							

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Sample Spike Data									
	Prep/Analysis (g)	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLs	MDL
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	12/5/2018	2.5516	1471.9	453.52646	718226.58179	0.017	0.00068762	0.002	0.002
		2.5289	1522.5			0.018			
		2.5670	1500.4			0.017			
	12/6/2018	2.5584	1512.5			0.017			
		2.5592	1525.9			0.018			
	12/7/2018	2.5416	1455.6			0.016			
		2.5453	1397.8			0.015			
Sample Blank Data									
	Prep/Analysis (g)	Weight (g)	Area	y-intercept	Slope	Amount (ug/g)	Standard Deviation	MDLb	
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	12/5/2018	2.5395	216.6	453.52646	718226.58179	-0.003897	0.00018057	0.001	
		2.5430	214.8			-0.003921			
		2.5342	220.8			-0.003836			
	12/6/2018	2.5556	206.0			-0.004046			
		2.5446	199.9			-0.004163			
	12/7/2018	2.5544	194.3			-0.004239			
		2.5500	187.4			-0.004359			

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Method Information

SOP 9213 FOR PCB ANALYSIS FOR 30 METER COLUMN .32mm ID .25um FILM WITH A 12 MINUTE RUN TIME AND 1.0 MICROLITER INJECTION SPLITLESS 1 MINUTE PURGE ON

Method Change History

Operator	Date	Change Information
NK ML AH	11/7/2018 12:27:45 PM	New Congener Method

Run Time Checklist

Pre-Run Cmd/Macro:	off
Data Acquisition:	on
Standard Data Analysis:	on
Customized Data Analysis:	off
Save GLP Data:	off
Post-Run Cmd/Macro:	off
Save Method with Data:	skipped - no ACQ running

Injection Source and Location

Injection Source: HP GC Injector

Injection Location: Dual

HP6890 GC METHOD

OVEN

Initial temp: 130 'C (On)
Initial time: 2.00 min
Ramps:

#	Rate	Final temp	Final time
1	20.00	270	3.00
2	0.0(Off)		

Post temp: 0 'C
Post time: 0.00 min
Run time: 12.00 min

Maximum temp: 350 'C
Equilibration time: 0.00 min

FRONT INLET (SPLIT/SPLITLESS)

Mode: Splitless
Initial temp: 280 'C (On)
Pressure: 12.98 psi (On)
Purge flow: 50.0 mL/min
Purge time: 1.00 min
Total flow: 59.6 mL/min
Gas saver: On
Saver flow: 20.0 mL/min
Saver time: 1.00 min
Gas type: Hydrogen

BACK INLET (SPLIT/SPLITLESS)

Mode: Splitless
Initial temp: 280 'C (On)
Pressure: 11.84 psi (On)
Purge flow: 50.0 mL/min
Purge time: 1.00 min
Total flow: 60.5 mL/min
Gas saver: On
Saver flow: 20.0 mL/min
Saver time: 1.00 min
Gas type: Hydrogen

COLUMN 1

Capillary Column
Model Number: Zebron ZB-5MS
5% Methyl Silicate
Max temperature: 350 'C
Nominal length: 30.0 m
Nominal diameter: 320.00 um
Nominal film thickness: 0.25 um
Mode: constant flow
Initial flow: 4.5 mL/min
Nominal init pressure: 12.98 psi
Average velocity: 85 cm/sec
Inlet: Front Inlet
Outlet: Front Detector
Outlet pressure: ambient

COLUMN 2

Capillary Column
Model Number: Zebron ZB-5MS
5% Methyl Silicate
Max temperature: 350 'C
Nominal length: 30.0 m
Nominal diameter: 320.00 um
Nominal film thickness: 0.25 um
Mode: constant flow
Initial flow: 4.0 mL/min
Nominal init pressure: 11.84 psi
Average velocity: 78 cm/sec
Inlet: Back Inlet
Outlet: Back Detector
Outlet pressure: ambient

FRONT DETECTOR (μECD)

Temperature: 350 'C (On)
Mode: Constant column+makeup flow
Combined flow: 65.0 mL/min
Makeup flow: On
Makeup Gas Type: Nitrogen
Electrometer: On

BACK DETECTOR (μECD)

Temperature: 350 'C (On)
Mode: Constant column+makeup flow
Combined flow: 65.0 mL/min
Makeup flow: On
Makeup Gas Type: Nitrogen
Electrometer: On

SIGNAL 1

Data rate: 5 Hz
Type: front det - col comp 1
Save Data: On
Start Save Time: 1.50 min

SIGNAL 2

Data rate: 5 Hz
Type: back det - col comp 2
Save Data: On
Start Save Time: 1.50 min

Stop Save Time: 12.00 min
Zero: 50.0 (On)
Range: 0
Fast Peaks: Off
Attenuation: 0

Stop Save Time: 12.00 min
Zero: 50.0 (On)
Range: 0
Fast Peaks: Off
Attenuation: 0

COLUMN COMP 1
Derive from front detector

COLUMN COMP 2
Derive from back detector

POST RUN
Post Time: 0.00 min

TIME TABLE

Time	Specifier	Parameter & Setpoint

7673 Injector

Front Injector:

Sample Washes	3
Sample Pumps	3
Injection Volume	1.0 microliters
Syringe Size	5.0 microliters
Nanoliter Adapter	Off
PostInj Solvent A Washes	5
PostInj Solvent B Washes	5
Viscosity Delay	0 seconds
Plunger Speed	Fast
PreInjection Dwell	0.00 minutes
PostInjection Dwell	0.00 minutes

Back Injector:

Sample Washes	3
Sample Pumps	3
Injection Volume	1.0 microliters
Syringe Size	5.0 microliters
Nanoliter Adapter	Off
PostInj Solvent A Washes	5
PostInj Solvent B Washes	5
Viscosity Delay	0 seconds
Plunger Speed	Fast
PreInjection Dwell	0.00 minutes
PostInjection Dwell	0.00 minutes

Integration Events

.esults will be produced with the enhanced integrator.

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.010	Initial
Initial Area Reject	200.000	Initial
Initial Height Reject	100.000	Initial
Initial Shoulders	DROP	Initial
Integration OFF		0.000
Integration ON		1.500
Slope Sensitivity	500.000	3.380
Slope Sensitivity	0.000	5.331
Baseline Now		5.332
Tail Tangent Skim OFF		10.000

Signal Specific Integration Event Table "Event_ECD1A"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.026	Initial
Initial Area Reject	16.268	Initial
Initial Height Reject	5.168	Initial
Initial Shoulders	DROP	Initial
Integration ON		0.000

Apply Manual Integration Events: No

Method C:\HPCHEM\1\METHODS\CONF18A.M

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Calibration Table

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,OP 9202 TIER I ANALYSIS

Calib. Data Modified : Wednesday, November 07, 2018 12:25:40 PM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 1.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 1.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : compound name not specified
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Ignored
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ug/ml]	Area	Amt/Area	Ref	Grp	Name
3.314	1	1	5.00000e-3	158.24182	3.15972e-5			2-CHLOROBIPHENYL
		2	1.00000e-2	301.05392	3.32166e-5			
		3	2.00000e-2	565.62128	3.53593e-5			
		4	4.00000e-2	1064.20593	3.75867e-5			
		5	8.00000e-2	2140.17065	3.73802e-5			
4.600	1	1	5.00000e-3	2247.27588	2.22492e-6			2,3-DI
		2	1.00000e-2	3931.23486	2.54373e-6			
		3	2.00000e-2	7542.16699	2.65176e-6			
		4	4.00000e-2	1.37707e4	2.90471e-6			
		5	8.00000e-2	2.83502e4	2.82185e-6			
5.076	1	1	5.00000e-3	1578.57153	3.16742e-6			2,2,5-TRI
		2	1.00000e-2	2985.28760	3.34976e-6			
		3	2.00000e-2	5702.45654	3.50726e-6			
		4	4.00000e-2	1.04101e4	3.84243e-6			
		5	8.00000e-2	2.08466e4	3.83756e-6			
5.591	1	1	5.00000e-3	2517.41284	1.98617e-6			2,4,5-TRI
		2	1.00000e-2	4907.61475	2.03765e-6			
		3	2.00000e-2	9905.47559	2.01909e-6			
		4	4.00000e-2	1.83324e4	2.18193e-6			
		5	8.00000e-2	3.72895e4	2.14537e-6			

Method C:\HPCHEM\1\METHODS\CONF18A.M

RetTime [min]	Sig	Lvl	Amount [ug/ml]	Area	Amt/Area	Ref	Grp	Name
5.942	1	1	5.00000e-3	2306.71167	2.16759e-6			2,2,5,5-TETRA
		2	1.00000e-2	4454.86670	2.24474e-6			
		3	2.00000e-2	8656.60449	2.31037e-6			
		4	4.00000e-2	1.57594e4	2.53816e-6			
		5	8.00000e-2	3.25295e4	2.45931e-6			
6.130	1	1	5.00000e-3	2930.25464	1.70634e-6			2,2,3,5-TETRA
		2	1.00000e-2	5836.67676	1.71330e-6			
		3	2.00000e-2	1.11720e4	1.79019e-6			
		4	4.00000e-2	2.06585e4	1.93625e-6			
		5	8.00000e-2	4.24461e4	1.88474e-6			
6.558	1	1	5.00000e-3	3680.57251	1.35848e-6			2,3,4,4-TETRA
		2	1.00000e-2	7450.69971	1.34216e-6			
		3	2.00000e-2	1.43666e4	1.39212e-6			
		4	4.00000e-2	2.69499e4	1.48423e-6			
		5	8.00000e-2	5.56633e4	1.43721e-6			
6.780	1	1	5.00000e-3	3288.40771	1.52049e-6			2,2,4,5,5-PENTA
		2	1.00000e-2	6566.35742	1.52291e-6			
		3	2.00000e-2	1.25842e4	1.58930e-6			
		4	4.00000e-2	2.34735e4	1.70405e-6			
		5	8.00000e-2	4.82906e4	1.65664e-6			
7.024	1	1	5.00000e-3	4719.60742	1.05941e-6			2,2,3,4,5-PENTA
		2	1.00000e-2	9229.96289	1.08343e-6			
		3	2.00000e-2	1.80585e4	1.10751e-6			
		4	4.00000e-2	3.42348e4	1.16840e-6			
		5	8.00000e-2	7.18651e4	1.11320e-6			
7.107	1	1	5.00000e-3	4453.08105	1.12282e-6			2,3,3,4,6-PENTA
		2	1.00000e-2	8746.26660	1.14334e-6			
		3	2.00000e-2	1.70486e4	1.17312e-6			
		4	4.00000e-2	3.22672e4	1.23965e-6			
		5	8.00000e-2	6.65773e4	1.20161e-6			
7.209	1	1	5.00000e-3	4456.33008	1.12200e-6			2,2,3,5,5,6-HEXA
		2	1.00000e-2	8726.03906	1.14600e-6			
		3	2.00000e-2	1.69564e4	1.17950e-6			
		4	4.00000e-2	3.19969e4	1.25012e-6			
		5	8.00000e-2	6.64535e4	1.20385e-6			
7.557	1	1	5.00000e-3	4283.14453	1.16737e-6			2,2,4,4,5,5-HEXA
		2	1.00000e-2	8169.99268	1.22399e-6			
		3	2.00000e-2	1.58574e4	1.26124e-6			
		4	4.00000e-2	3.00025e4	1.33322e-6			
		5	8.00000e-2	6.21884e4	1.28641e-6			
7.670	1	1	5.00000e-3	6202.54980	8.06120e-7			2,2,3,4,5,5-HEXA
		2	1.00000e-2	1.21646e4	8.22056e-7			
		3	2.00000e-2	2.41172e4	8.29285e-7			
		4	4.00000e-2	4.63288e4	8.63394e-7			
		5	8.00000e-2	9.72040e4	8.23011e-7			
7.796	1	1	5.00000e-3	5389.35352	9.27755e-7			2,2,3,4,4,5-HEXA
		2	1.00000e-2	1.03464e4	9.66518e-7			
		3	2.00000e-2	2.01002e4	9.95016e-7			
		4	4.00000e-2	3.83168e4	1.04393e-6			
		5	8.00000e-2	7.90608e4	1.01188e-6			
7.926	1	1	5.00000e-3	4852.04297	1.03049e-6			2,3,3,4,5,5,6-HEPTA
		2	1.00000e-2	9376.71484	1.06647e-6			
		3	2.00000e-2	1.88108e4	1.06322e-6			
		4	4.00000e-2	3.60223e4	1.11042e-6			
		5	8.00000e-2	7.52643e4	1.06292e-6			
7.975	1	1	5.00000e-3	5784.25342	8.64416e-7			2,2,3,4,4,5,6-HEPTA

Method C:\HPCHEM\1\METHODS\CONF18A.M

RetTime [min]	Sig	Lvl	Amount [ug/ml]	Area	Amt/Area	Ref	Grp	Name
		2	1.00000e-2	1.12733e4	8.87051e-7			
		3	2.00000e-2	2.22801e4	8.97662e-7			
		4	4.00000e-2	4.25270e4	9.40578e-7			
		5	8.00000e-2	8.95128e4	8.93727e-7			
8.394	1	1	5.00000e-3	5931.49268	8.42958e-7			2,2,3,4,4,5,5-HEPTA
		2	1.00000e-2	1.11670e4	8.95498e-7			
		3	2.00000e-2	2.34411e4	8.53203e-7			
		4	4.00000e-2	4.48239e4	8.92380e-7			
		5	8.00000e-2	9.47391e4	8.44424e-7			
8.635	1	1	5.00000e-3	6880.71436	7.26669e-7			2,2,3,3,4,4,5-HEPTA
		2	1.00000e-2	1.36508e4	7.32557e-7			
		3	2.00000e-2	2.70620e4	7.39043e-7			
		4	4.00000e-2	5.17605e4	7.72790e-7			
		5	8.00000e-2	1.09650e5	7.29594e-7			
9.531	1	1	5.00000e-3	7622.43506	6.55958e-7			2,2,3,3,4,4,5,5,6-NONA
		2	1.00000e-2	1.46432e4	6.82910e-7			
		3	2.00000e-2	2.87854e4	6.94796e-7			
		4	4.00000e-2	5.50642e4	7.26424e-7			
		5	8.00000e-2	1.15882e5	6.90356e-7			
9.861	1	1	5.00000e-3	6149.60498	8.13060e-7			DECACHLOROBIPHENYL
		2	1.00000e-2	1.17476e4	8.51239e-7			
		3	2.00000e-2	2.27143e4	8.80502e-7			
		4	4.00000e-2	4.30029e4	9.30169e-7			
		5	8.00000e-2	8.71378e4	9.18086e-7			

1 Warnings or Errors :

Warning : Overlapping peak time windows at 7.926 min, signal 1

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Peak Sum Table

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No Entries in table

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Calibration Curves

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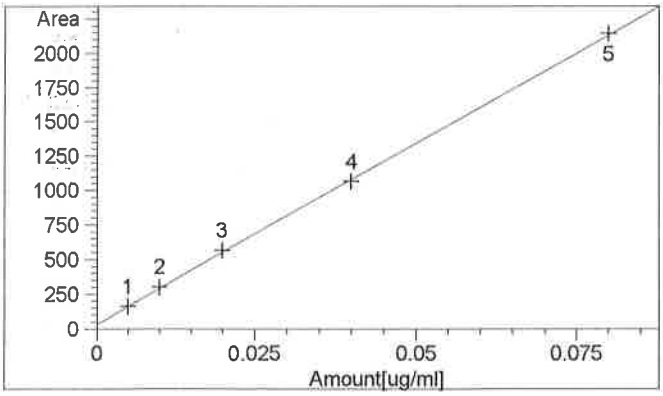
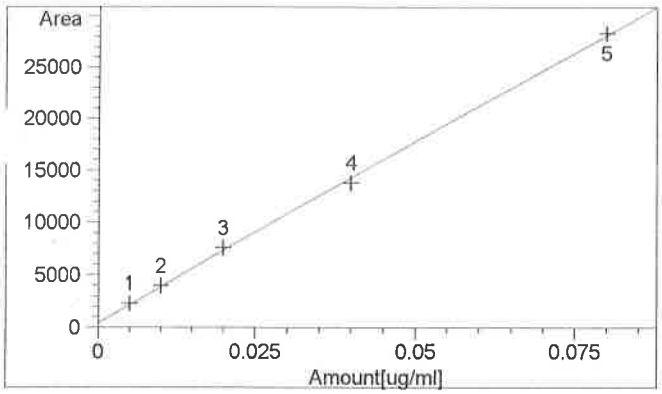
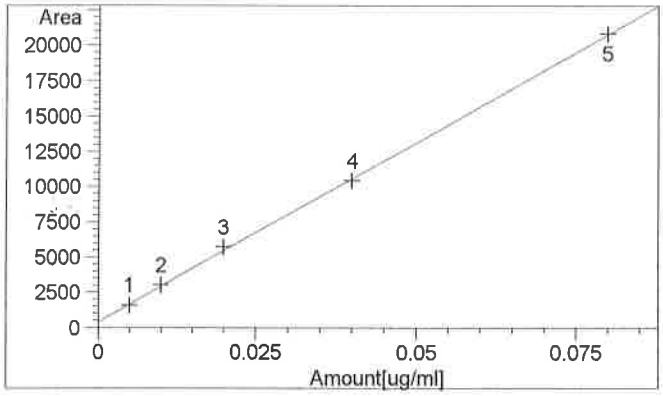


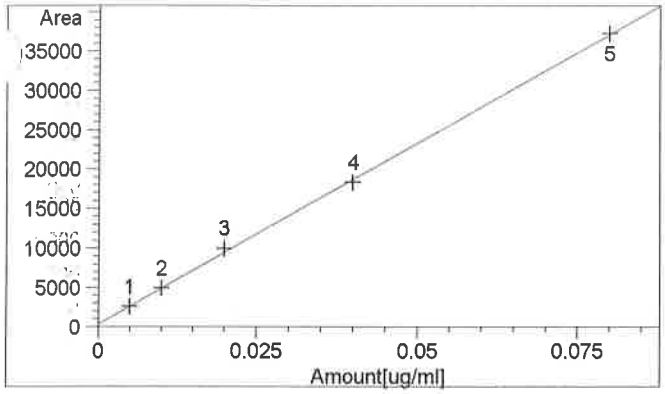
2-CHLOROBIPHENYL at exp. RT: 3.314
ECD1 A,
Correlation: 0.99990
Residual Std. Dev.: 13.17289
Formula: y = mx + b
m: 26287.08646
b: 30.95904
x: Amount[ug/ml]
y: Area



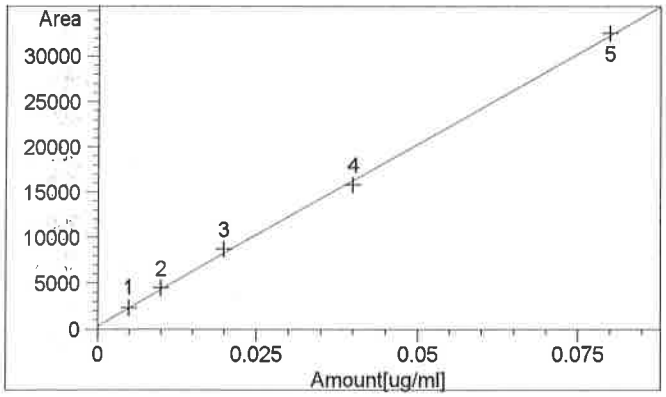
2,3-DI at exp. RT: 4.600
ECD1 A,
Correlation: 0.99961
Residual Std. Dev.: 342.21955
Formula: y = mx + b
m: 346544.95403
b: 425.42771
x: Amount[ug/ml]
y: Area



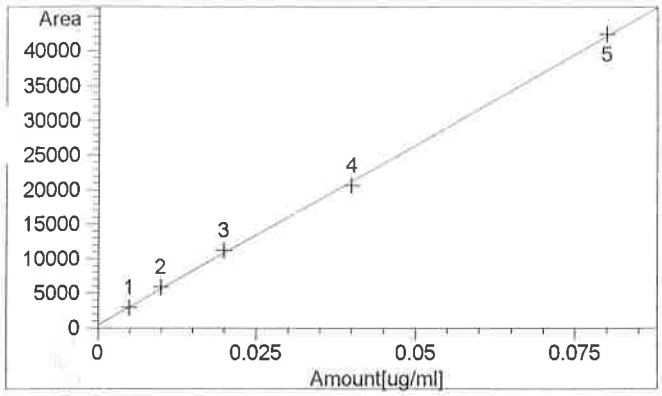
2,2,5-TRI at exp. RT: 5.076
ECD1 A,
Correlation: 0.99981
Residual Std. Dev.: 172.97975
Formula: y = mx + b
m: 255029.90788
b: 398.66392
x: Amount[ug/ml]
y: Area



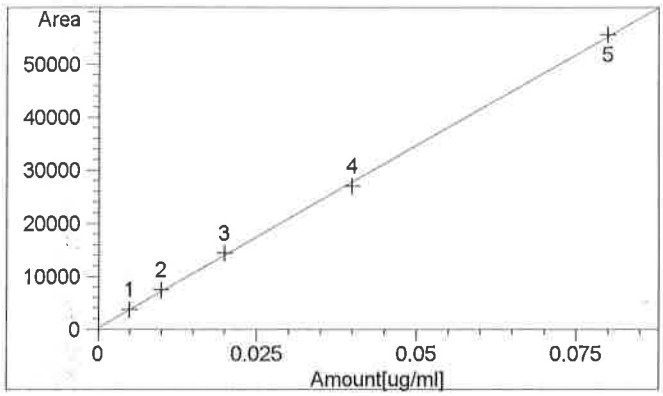
2,4,5-TRI at exp. RT: 5.591
ECD1 A,
Correlation: 0.99979
Residual Std. Dev.: 333.87008
Formula: y = mx + b
m: 460942.30038
b: 301.27018
x: Amount[ug/ml]
y: Area



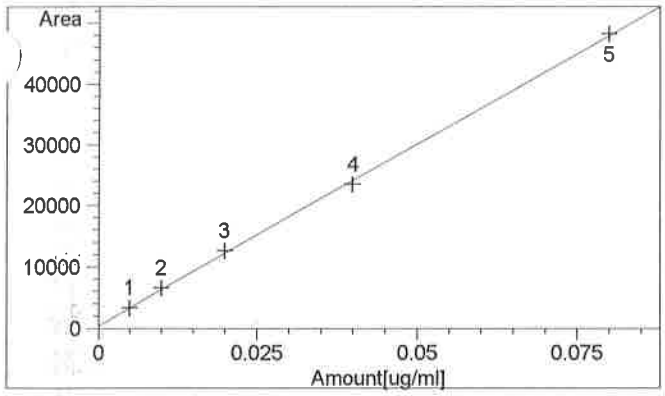
2,2,5,5-TETRA at exp. RT: 5.942
ECD1 A,
Correlation: 0.99959
Residual Std. Dev.: 403.00082
Formula: y = mx + b
m: 399739.20898
b: 349.50391
x: Amount[ug/ml]
y: Area



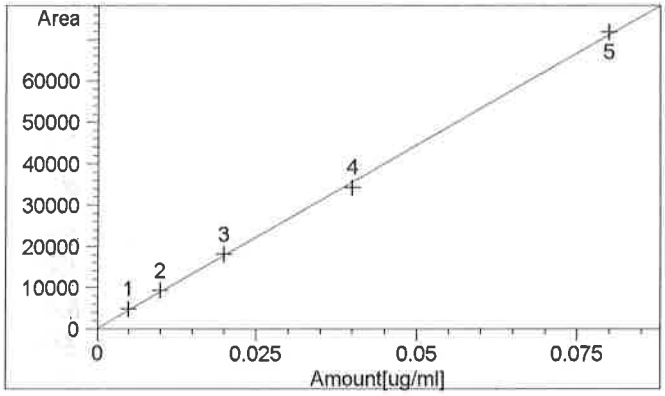
2,2,3,5-TETRA at exp. RT: 6.130
ECD1 A,
Correlation: 0.99969
Residual Std. Dev.: 457.05157
Formula: y = mx + b
m: 522617.41943
b: 407.55878
x: Amount[ug/ml]
y: Area



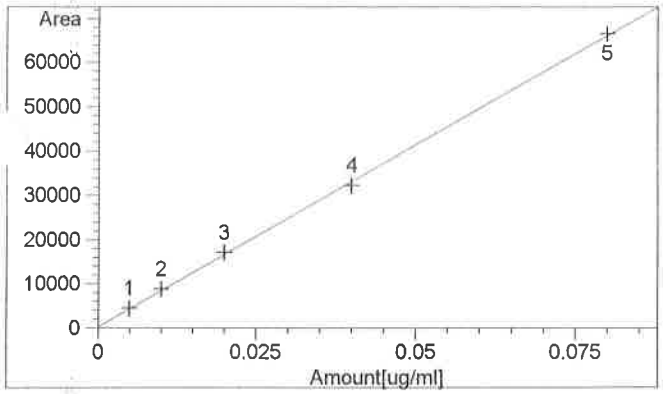
2,3,4,4-TETRA at exp. RT: 6.558
ECD1 A,
Correlation: 0.99971
Residual Std. Dev.: 586.55184
Formula: y = mx + b
m: 688133.91586
b: 290.06165
x: Amount[ug/ml]
y: Area



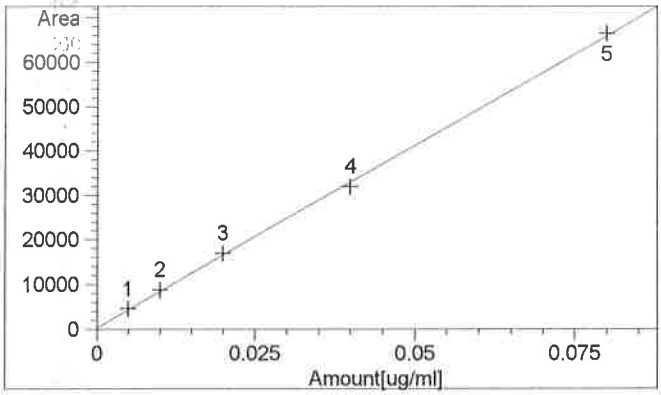
2,2,4,5,5-PENTA at exp. RT: 6.780
ECD1 A,
Correlation: 0.99972
Residual Std. Dev.: 498.61959
Formula: y = mx + b
m: 595613.53458
b: 376.58541
x: Amount[ug/ml]
y: Area



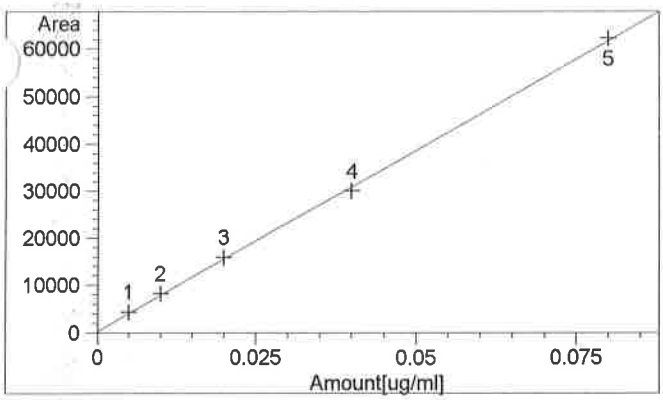
2,2,3,4,5-PENTA at exp. RT: 7.024
ECD1 A,
Correlation: 0.99957
Residual Std. Dev.: 921.28383
Formula: y = mx + b
m: 890946.62823
b: 2.25179
x: Amount[ug/ml]
y: Area



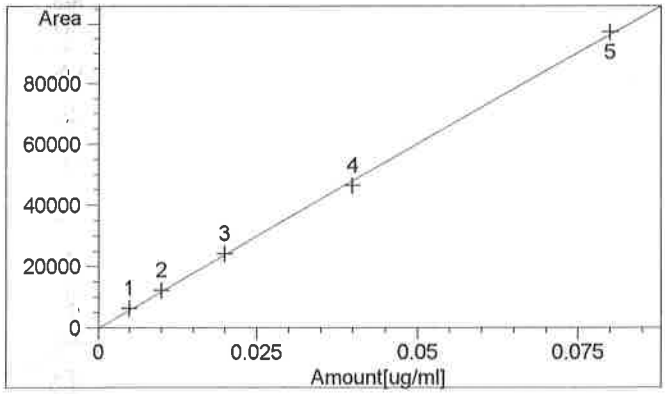
2,3,3,4,6-PENTA at exp. RT: 7.107
ECD1 A,
Correlation: 0.99976
Residual Std. Dev.: 639.20247
Formula: y = mx + b
m: 824114.33946
b: 270.95040
x: Amount[ug/ml]
y: Area



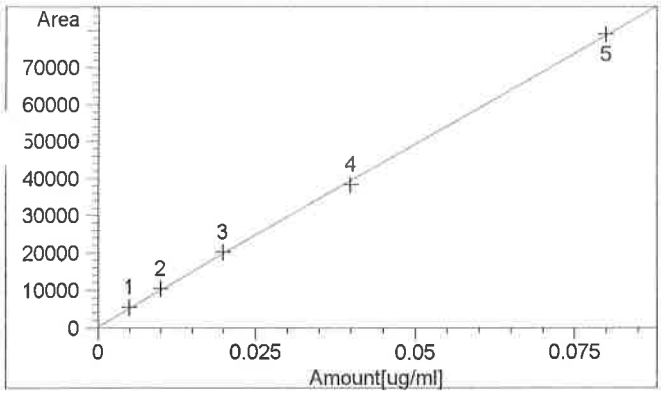
2,2,3,5,5,6-HEXA at exp. RT: 7.209
ECD1 A,
Correlation: 0.99968
Residual Std. Dev.: 736.05340
Formula: y = mx + b
m: 822194.60160
b: 229.79899
x: Amount[ug/ml]
y: Area



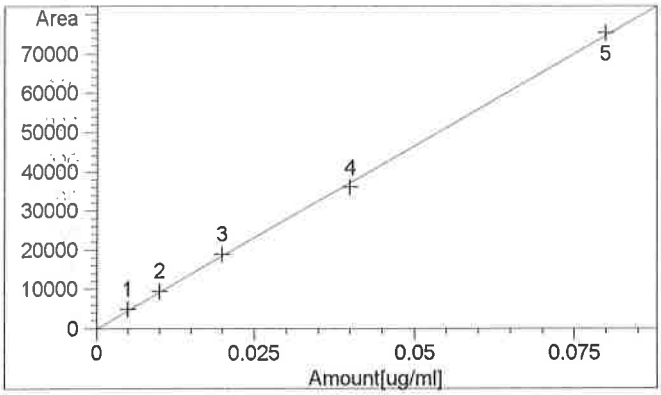
2,2,4,4,5,5-HEXA at exp. RT: 7.557
ECD1 A,
Correlation: 0.99970
Residual Std. Dev.: 665.65426
Formula: y = mx + b
m: 768788.01781
b: 267.86041
x: Amount[ug/ml]
y: Area



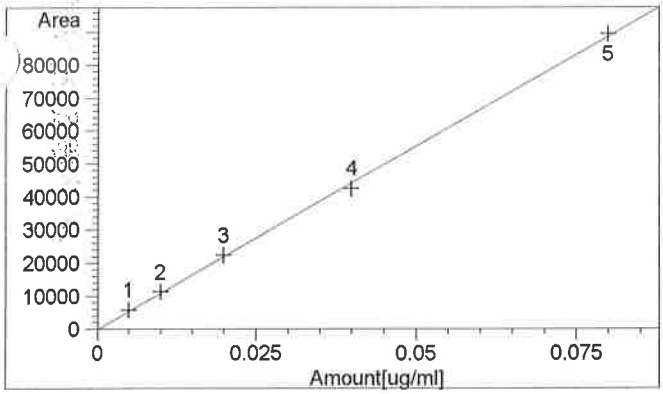
2,2,3,4,5,5-HEXA at exp. RT: 7.670
ECD1 A,
Correlation: 0.99963
Residual Std. Dev.: 1156.80474
Formula: y = mx + b
m: 1.20912e6
b: -279.43111
x: Amount[ug/ml]
y: Area



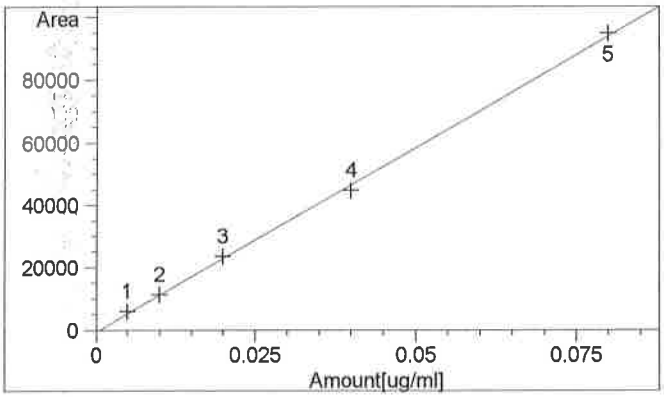
2,2,3,4,4,5-HEXA at exp. RT: 7.796
ECD1 A,
Correlation: 0.99977
Residual Std. Dev.: 742.16736
Formula: y = mx + b
m: 978583.90352
b: 306.61344
x: Amount[ug/ml]
y: Area



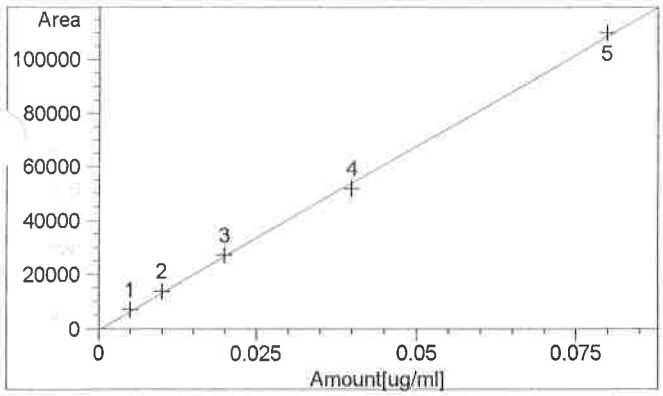
2,3,3,4,5,5,6-HEPTA at exp. RT: 7.926
ECD1 A,
Correlation: 0.99968
Residual Std. Dev.: 833.08993
Formula: y = mx + b
m: 936066.83940
b: -152.85522
x: Amount[ug/ml]
y: Area



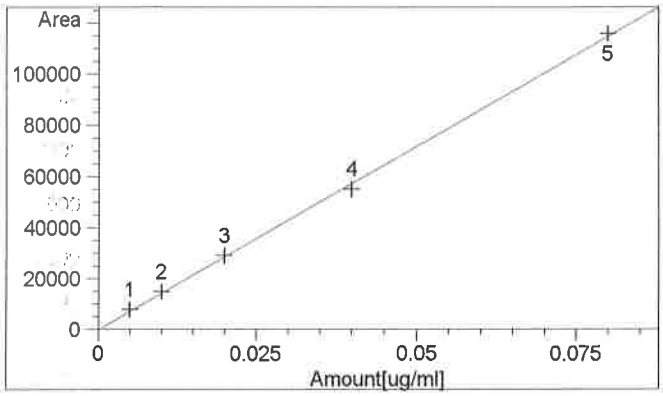
2,2,3,4,4,5,6-HEPTA at exp. RT: 7.975
ECD1 A,
Correlation: 0.99957
Residual Std. Dev.: 1154.98230
Formula: y = mx + b
m: 1.11200e6
b: -196.65120
x: Amount[ug/ml]
y: Area



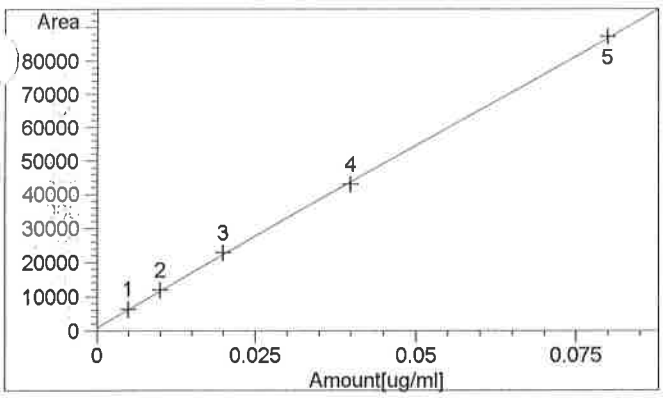
2,2,3,4,4,5,5-HEPTA at exp. RT: 8.394
ECD1 A,
Correlation: 0.99956
Residual Std. Dev.: 1238.07054
Formula: y = mx + b
m: 1.18254e6
b: -638.26672
x: Amount[ug/ml]
y: Area



2,2,3,3,4,4,5-HEPTA at exp. RT: 8.635
ECD1 A,
Correlation: 0.99949
Residual Std. Dev.: 1527.71248
Formula: y = mx + b
m: 1.36437e6
b: -494.59188
x: Amount[ug/ml]
y: Area



2,2,3,3,4,4,5,5,6-NONA at exp. RT: 9.531
ECD1 A,
Correlation: 0.99956
Residual Std. Dev.: 1509.57625
Formula: y = mx + b
m: 1.43857e6
b: -196.12349
x: Amount[ug/ml]
y: Area



DECACHLOROBIPHENYL at exp. RT: 9.861
ECD1 A,
Correlation: 0.99989
Residual Std. Dev.: 564.82692
Formula: y = mx + b
m: 1.07536e6
b: 814.34224
x: Amount[ug/ml]
y: Area

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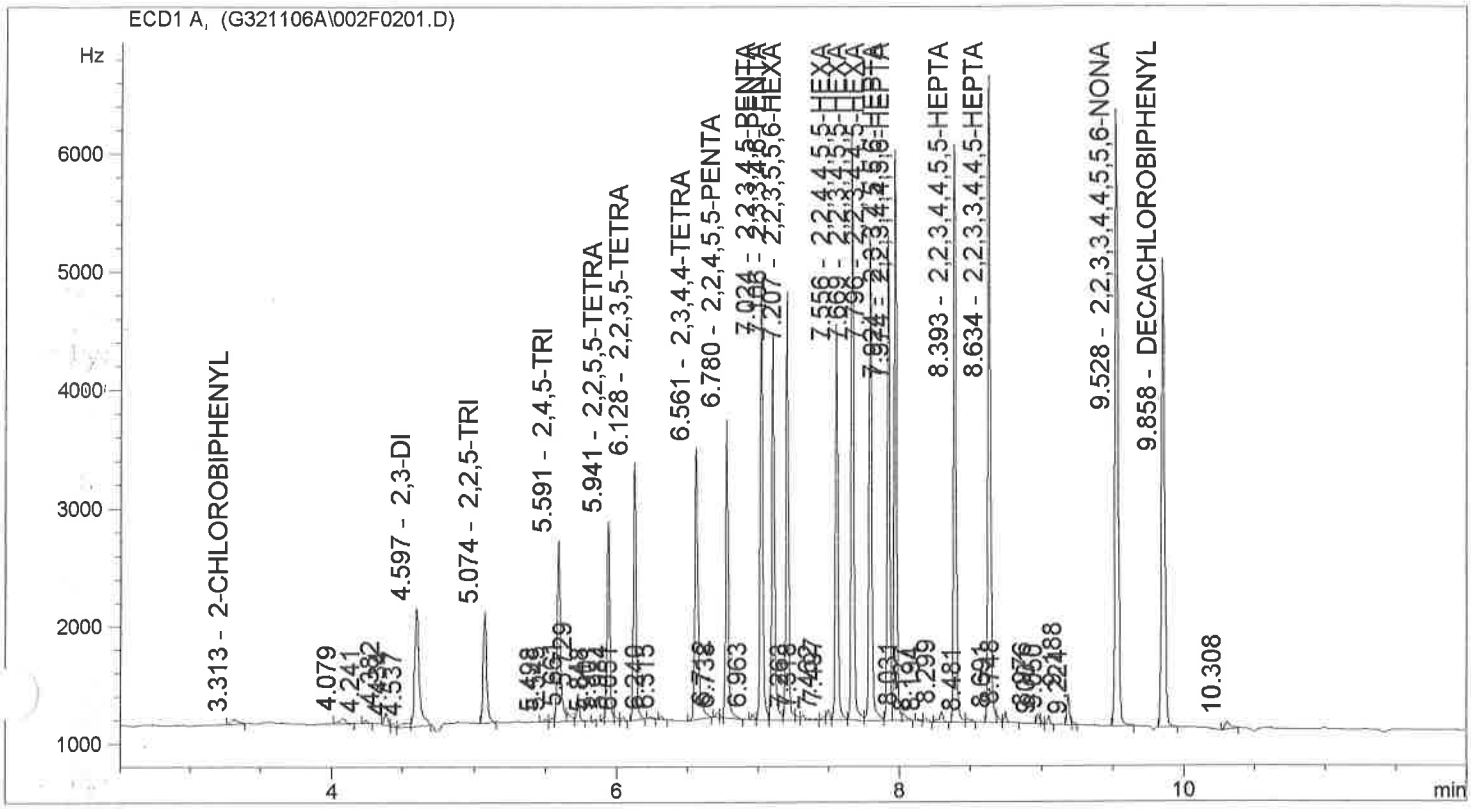
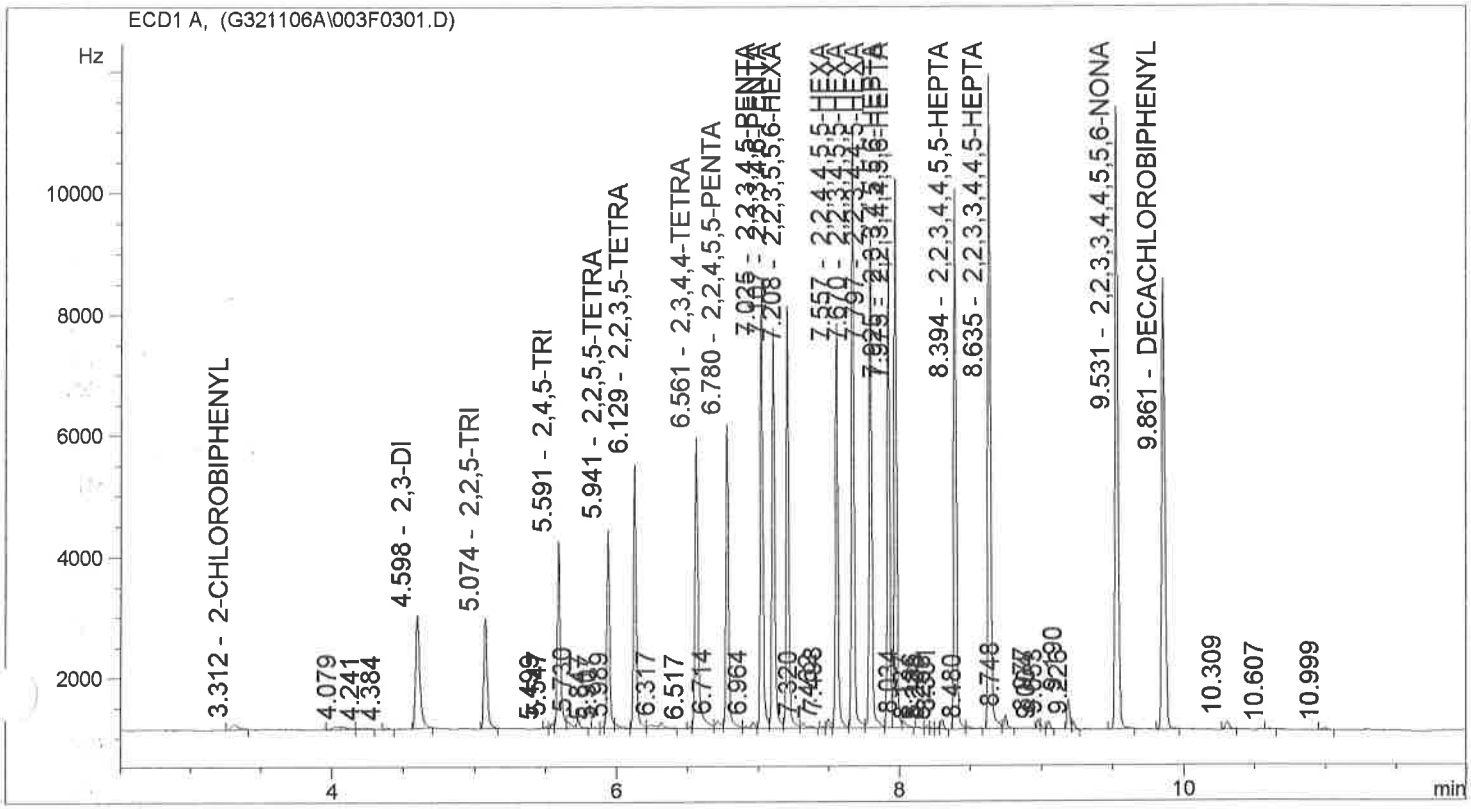
Sample Name : STD 0.005 Inst. GC #32Could not execute ->
2PCBS-775 ->
Data File : C:\HPCHEM\1\DATA\2018\G321106A\002F0201.D
Injection Date : 11/6/2018 4:33:59 PM Analyst ID. : NK ML AH
Report Created : 11/7/201812:13:37 PM Vial No. : 2
Req. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:13:37 PM Multiplier : 1.0000



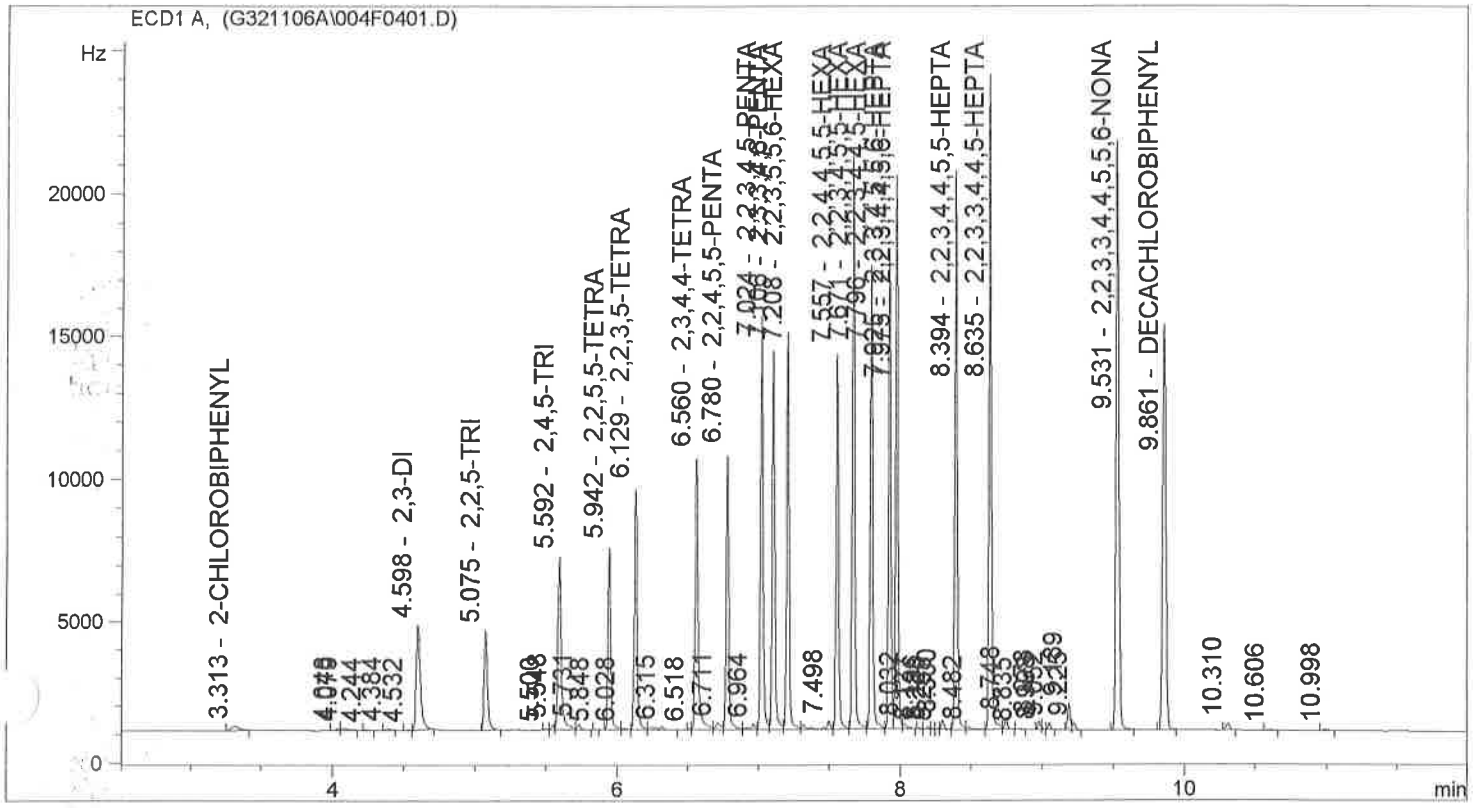
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.313	2-CHLOROBIPHENYL	0.0050	3.313
4.597	2,3-DI	0.0050	4.597
5.074	2,2,5-TRI	0.0050	5.074
5.591	2,4,5-TRI	0.0050	5.591
5.941	2,2,5,5-TETRA	0.0050	5.941
6.128	2,2,3,5-TETRA	0.0050	6.128
6.561	2,3,4,4-TETRA	0.0050	6.561
6.780	2,2,4,5,5-PENTA	0.0050	6.780
7.024	2,2,3,4,5-PENTA	0.0050	7.024
7.106	2,3,3,4,6-PENTA	0.0050	7.106
7.207	2,2,3,5,5,6-HEXA	0.0050	7.207
7.556	2,2,4,4,5,5-HEXA	0.0050	7.556
7.669	2,2,3,4,5,5-HEXA	0.0050	7.669
7.796	2,2,3,4,4,5-HEXA	0.0050	7.796
7.924	2,3,3,4,5,5,6-HEPTA	0.0050	7.924
7.974	2,2,3,4,4,5,6-HEPTA	0.0050	7.974
8.393	2,2,3,4,4,5,5-HEPTA	0.0050	8.393
8.634	2,2,3,3,4,4,5-HEPTA	0.0050	8.634
9.528	2,2,3,3,4,4,5,5,6-NONA	0.0050	9.528
9.858	DECACHLOROBIPHENYL	0.0050	9.858
		0.1000	

Sample Name : STD 0.01 Inst. GC #32Could not execute ->
2PCBS-776 ->
Data File : C:\HPCHEM\1\DATA\2018\G321106A\003F0301.D
Injection Date : 11/6/2018 4:49:28 PM Analyst ID. : NK ML AH
Report Created : 11/7/201812:17:47 PM Vial No. : 3
Seq. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:17:47 PM Multiplier : 1.0000



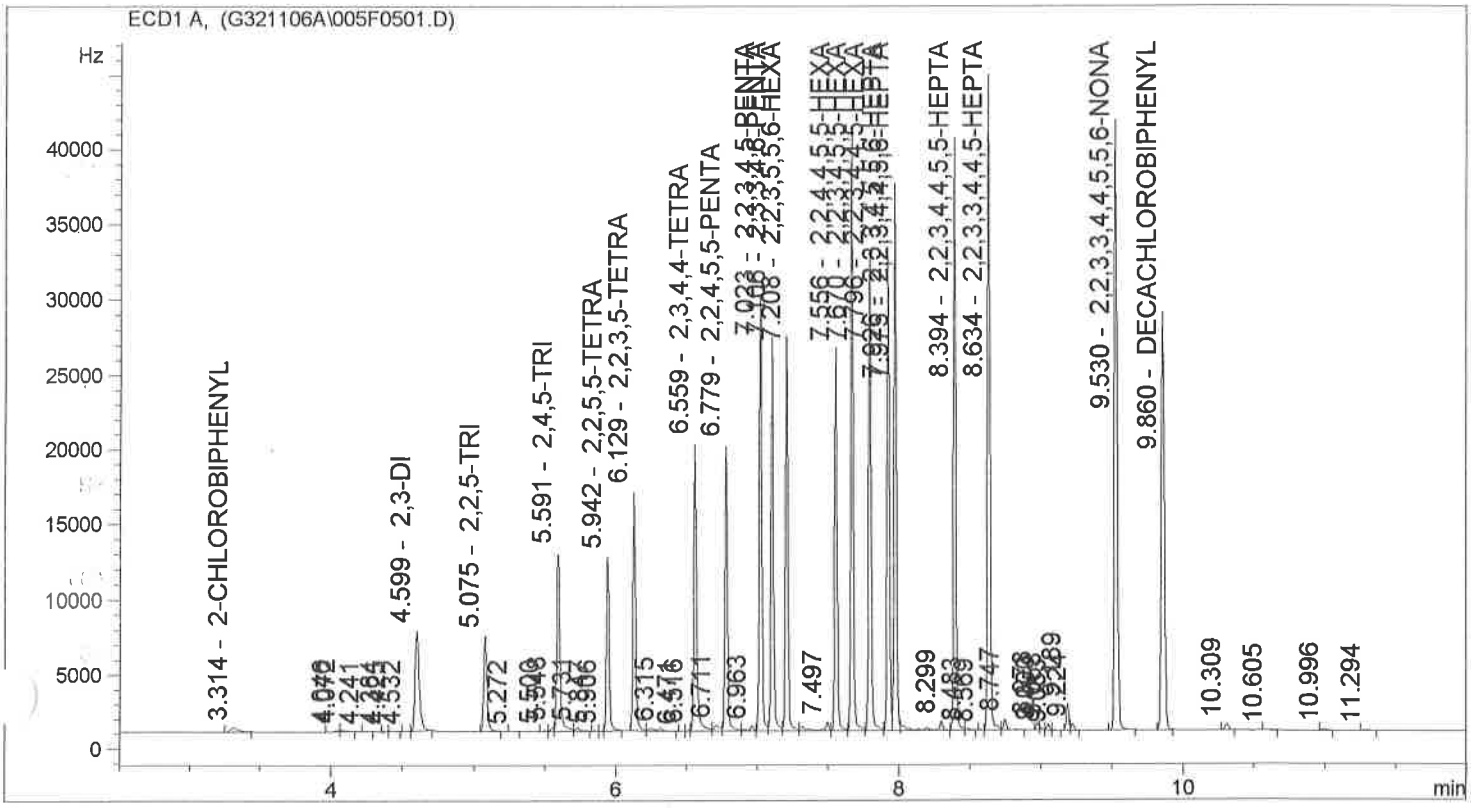
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.312	2-CHLOROBIPHENYL	0.0100	3.312
4.598	2,3-DI	0.0100	4.598
5.074	2,2,5-TRI	0.0100	5.074
5.591	2,4,5-TRI	0.0100	5.591
5.941	2,2,5,5-TETRA	0.0100	5.941
6.129	2,2,3,5-TETRA	0.0100	6.129
6.561	2,3,4,4-TETRA	0.0100	6.561
6.780	2,2,4,5,5-PENTA	0.0100	6.780
7.025	2,2,3,4,5-PENTA	0.0100	7.025
7.107	2,3,3,4,6-PENTA	0.0100	7.107
7.208	2,2,3,5,5,6-HEXA	0.0100	7.208
7.557	2,2,4,4,5,5-HEXA	0.0100	7.557
7.670	2,2,3,4,5,5-HEXA	0.0100	7.670
7.797	2,2,3,4,4,5-HEXA	0.0100	7.797
7.925	2,3,3,4,5,5,6-HEPTA	0.0100	7.925
7.975	2,2,3,4,4,5,6-HEPTA	0.0100	7.975
8.394	2,2,3,4,4,5,5-HEPTA	0.0100	8.394
8.635	2,2,3,3,4,4,5-HEPTA	0.0100	8.635
9.531	2,2,3,3,4,4,5,5,6-NONA	0.0100	9.531
9.861	DECACHLOROBIPHENYL	0.0100	9.861
		0.2000	

Sample Name : STD 0.02 Inst. GC #32Could not execute ->
2PCBS-777 ->
Data File : C:\HPCHEM\1\DATA\2018\G321106A\004F0401.D
Injection Date : 11/6/2018 5:04:57 PM Analyst ID. : NK ML AH
Report Created : 11/7/201812:20:01 PM Vial No. : 4
Req. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:20:01 PM Multiplier : 1.0000



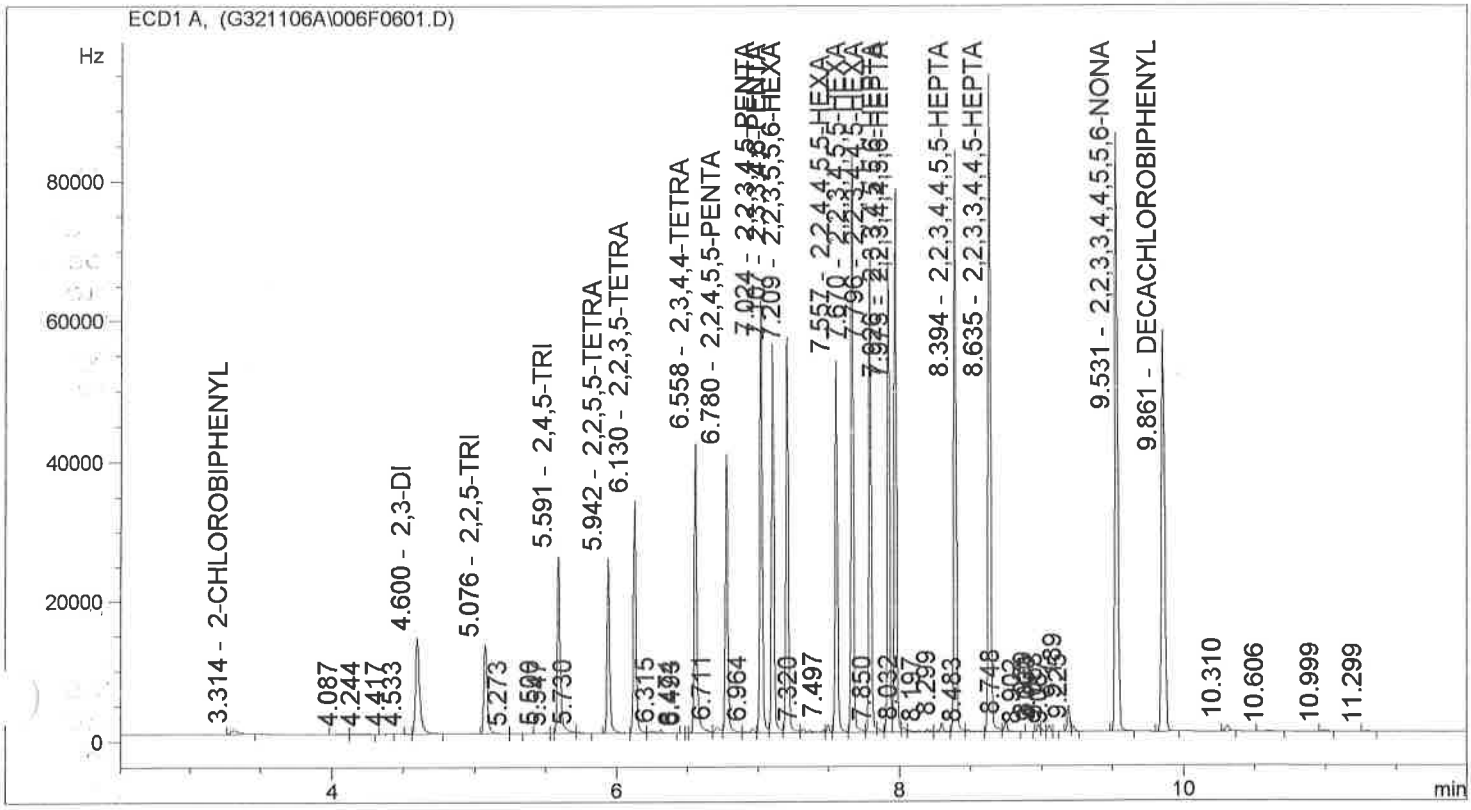
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.313	2-CHLOROBIPHENYL	0.0199	3.313
4.598	2,3-DI	0.0200	4.598
5.075	2,2,5-TRI	0.0200	5.075
5.592	2,4,5-TRI	0.0200	5.592
5.942	2,2,5,5-TETRA	0.0200	5.942
6.129	2,2,3,5-TETRA	0.0199	6.129
6.560	2,3,4,4-TETRA	0.0199	6.560
6.780	2,2,4,5,5-PENTA	0.0199	6.780
7.024	2,2,3,4,5-PENTA	0.0200	7.024
7.106	2,3,3,4,6-PENTA	0.0200	7.106
7.208	2,2,3,5,5,6-HEXA	0.0200	7.208
7.557	2,2,4,4,5,5-HEXA	0.0200	7.557
7.671	2,2,3,4,5,5-HEXA	0.0200	7.671
7.796	2,2,3,4,4,5-HEXA	0.0200	7.796
7.925	2,3,3,4,5,5,6-HEPTA	0.0200	7.925
7.975	2,2,3,4,4,5,6-HEPTA	0.0200	7.975
8.394	2,2,3,4,4,5,5-HEPTA	0.0201	8.394
8.635	2,2,3,3,4,4,5-HEPTA	0.0200	8.635
9.531	2,2,3,3,4,4,5,5,6-NONA	0.0200	9.531
9.861	DECACHLOROBIPHENYL	0.0200	9.861
		0.3998	

Sample Name : STD 0.04 Inst. GC #32Could not execute ->
2PCBS-778 ->
Data File : C:\HPCHEM\1\DATA\2018\G321106A\005F0501.D
Injection Date : 11/6/2018 5:20:16 PM Analyst ID. : NK ML AH
Report Created : 11/7/201812:22:00 PM Vial No. : 5
Eq. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:22:00 PM Multiplier : 1.0000



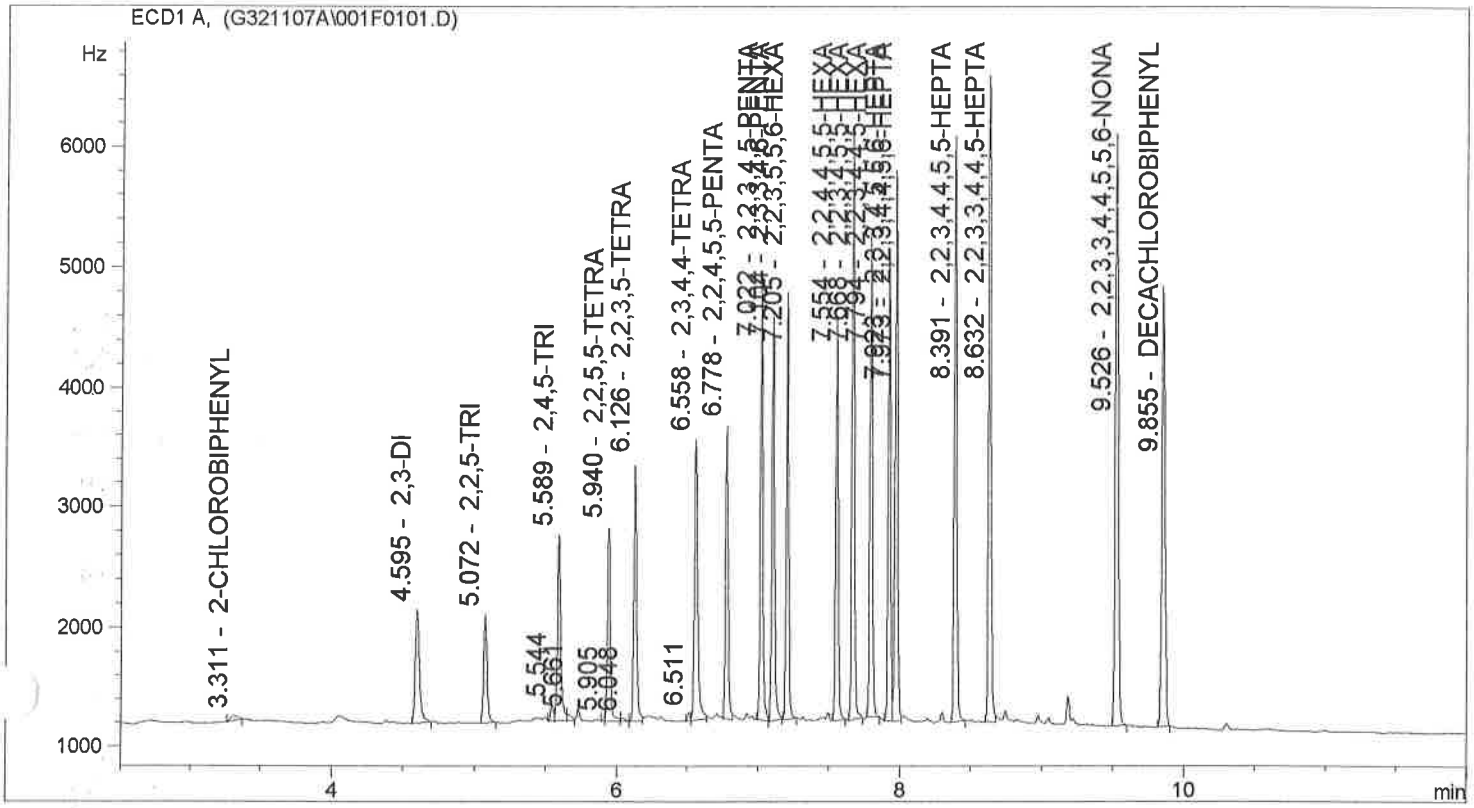
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.314	2-CHLOROBIPHENYL	0.0398	3.314
4.599	2,3-DI	0.0397	4.599
5.075	2,2,5-TRI	0.0396	5.075
5.591	2,4,5-TRI	0.0396	5.591
5.942	2,2,5,5-TETRA	0.0396	5.942
6.129	2,2,3,5-TETRA	0.0396	6.129
6.559	2,3,4,4-TETRA	0.0397	6.559
6.779	2,2,4,5,5-PENTA	0.0397	6.779
7.023	2,2,3,4,5-PENTA	0.0398	7.023
7.106	2,3,3,4,6-PENTA	0.0398	7.106
7.208	2,2,3,5,5,6-HEXA	0.0397	7.208
7.556	2,2,4,4,5,5-HEXA	0.0398	7.556
7.670	2,2,3,4,5,5-HEXA	0.0398	7.670
7.796	2,2,3,4,4,5-HEXA	0.0398	7.796
7.926	2,3,3,4,5,5,6-HEPTA	0.0398	7.926
7.975	2,2,3,4,4,5,6-HEPTA	0.0398	7.975
8.394	2,2,3,4,4,5,5-HEPTA	0.0398	8.394
8.634	2,2,3,3,4,4,5-HEPTA	0.0398	8.634
9.530	2,2,3,3,4,4,5,5,6-NONA	0.0398	9.530
9.860	DECACHLOROBIPHENYL	0.0398	9.860
		0.7948	

Sample Name : STD 0.08 Inst. GC #32Could not execute ->
2PCBS-779 ->
Data File : C:\HPCHEM\1\DATA\2018\G321106A\006F0601.D
Injection Date : 11/6/2018 5:35:38 PM Analyst ID. : NK ML AH
Report Created : 11/7/201812:25:45 PM Vial No. : 6
Eq. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:25:45 PM Multiplier : 1.0000



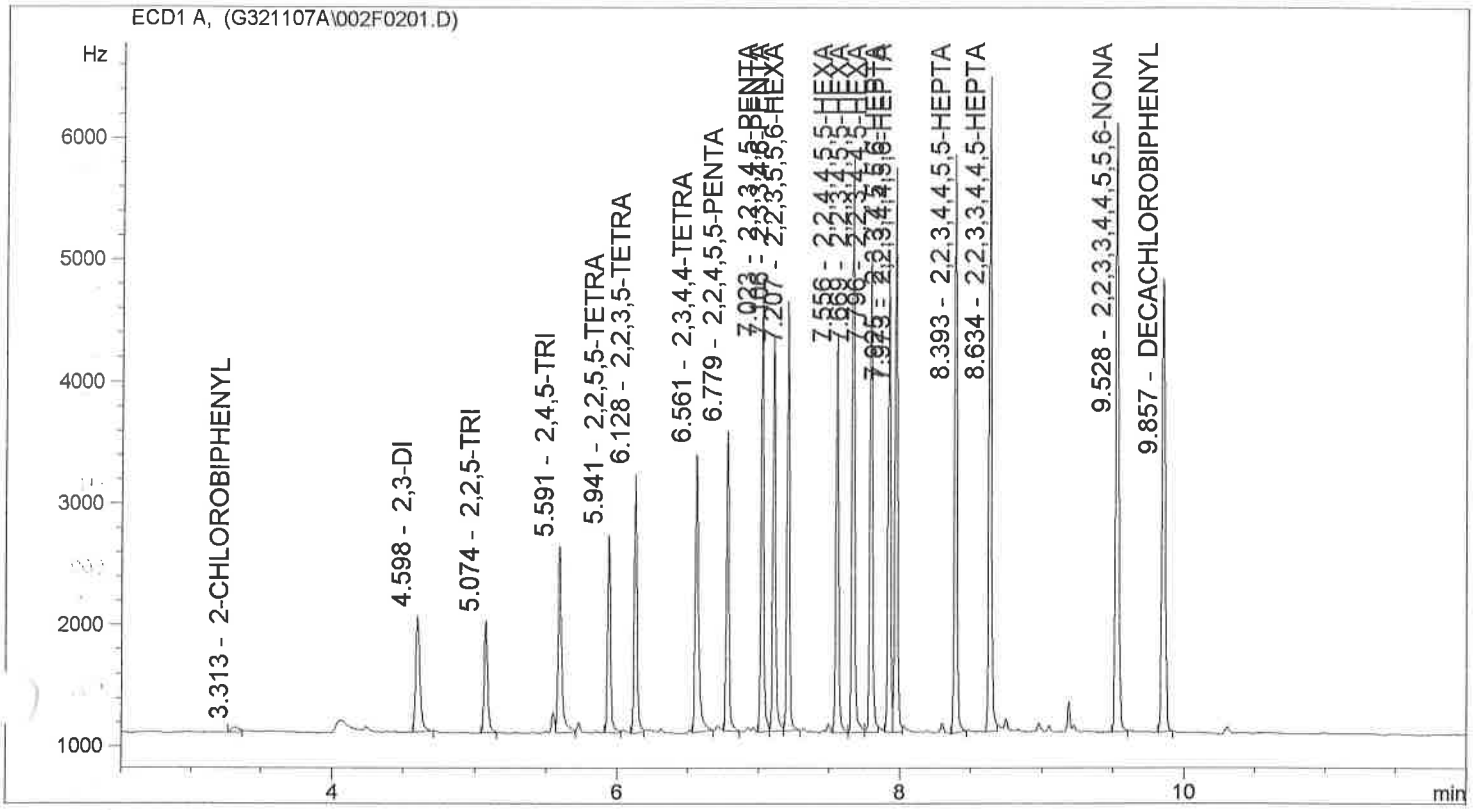
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.314	2-CHLOROBIPHENYL	0.0802	3.314
4.600	2,3-DI	0.0806	4.600
5.076	2,2,5-TRI	0.0802	5.076
5.591	2,4,5-TRI	0.0802	5.591
5.942	2,2,5,5-TETRA	0.0805	5.942
6.130	2,2,3,5-TETRA	0.0804	6.130
6.558	2,3,4,4-TETRA	0.0805	6.558
6.780	2,2,4,5,5-PENTA	0.0804	6.780
7.024	2,2,3,4,5-PENTA	0.0807	7.024
7.107	2,3,3,4,6-PENTA	0.0805	7.107
7.209	2,2,3,5,5,6-HEXA	0.0805	7.209
7.557	2,2,4,4,5,5-HEXA	0.0805	7.557
7.670	2,2,3,4,5,5-HEXA	0.0806	7.670
7.796	2,2,3,4,4,5-HEXA	0.0805	7.796
7.926	2,3,3,4,5,5,6-HEPTA	0.0806	7.926
7.975	2,2,3,4,4,5,6-HEPTA	0.0807	7.975
8.394	2,2,3,4,4,5,5-HEPTA	0.0807	8.394
8.635	2,2,3,3,4,4,5-HEPTA	0.0807	8.635
9.531	2,2,3,3,4,4,5,5,6-NONA	0.0807	9.531
9.861	DECACHLOROBIPHENYL	0.0803	9.861
		1.6100	

Sample Name : STD 0.005 Inst. GC #32Could not execute ->
2PCBS-775 ->
Data File : C:\HPCHEM\1\DATA\2018\G321107A\001F0101.D
Injection Date : 11/7/2018 3:01:00 PM Analyst ID. : NK ML AH
port Created : 11/8/2018 8:15:30 AM Vial No. : 1
q. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:27:45 PM Multiplier : 1.0000



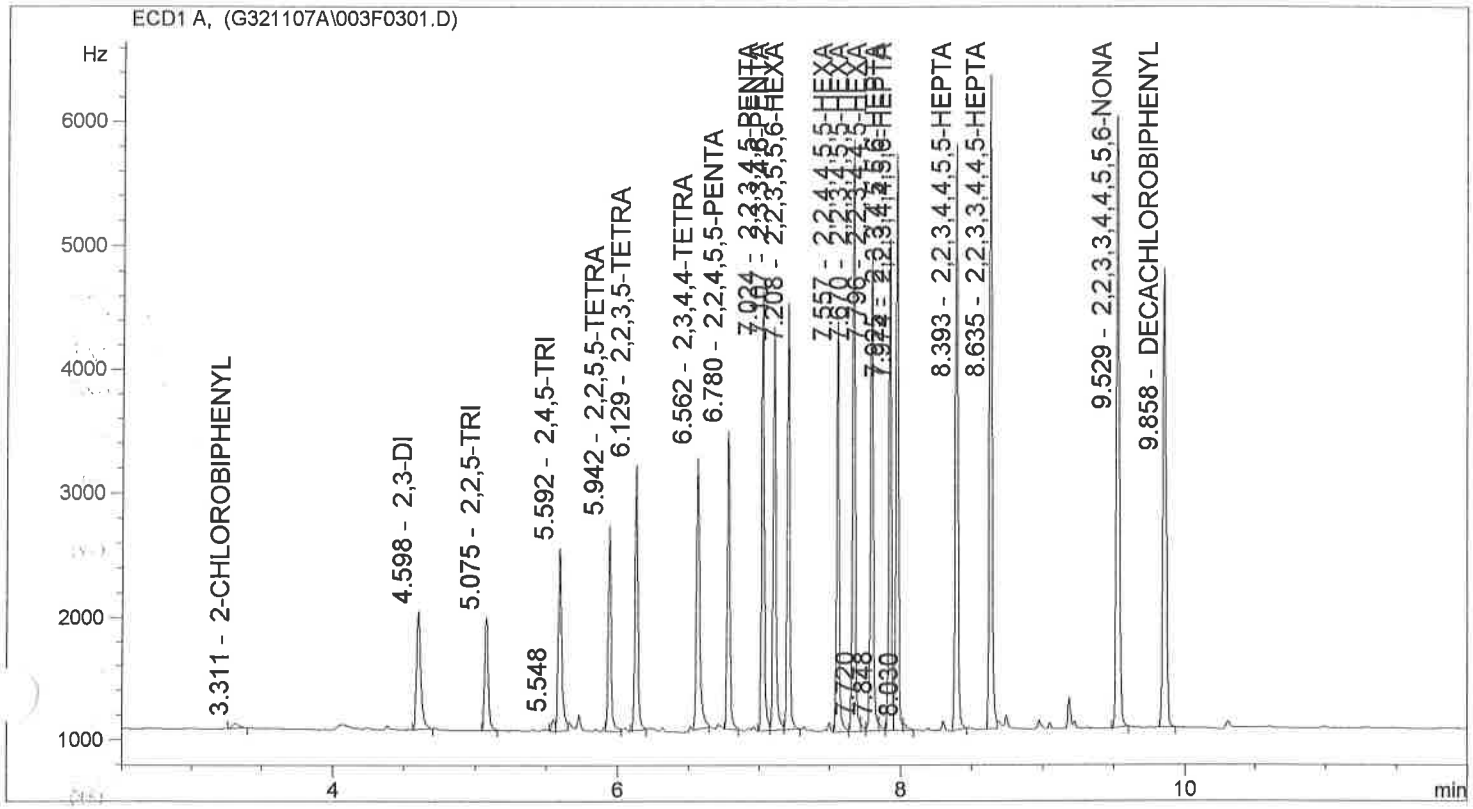
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.316	2-CHLOROBIPHENYL	0.0044	3.311
4.601	2,3-DI	0.0044	4.595
5.078	2,2,5-TRI	0.0043	5.072
5.594	2,4,5-TRI	0.0048	5.589
5.944	2,2,5,5-TETRA	0.0049	5.940
6.131	2,2,3,5-TETRA	0.0048	6.126
6.562	2,3,4,4-TETRA	0.0048	6.558
6.778	2,2,4,5,5-PENTA	0.0046	6.778
7.026	2,2,3,4,5-PENTA	0.0051	7.022
7.109	2,3,3,4,6-PENTA	0.0049	7.104
7.210	2,2,3,5,5,6-HEXA	0.0048	7.205
7.558	2,2,4,4,5,5-HEXA	0.0049	7.554
7.671	2,2,3,4,5,5-HEXA	0.0051	7.668
7.798	2,2,3,4,4,5-HEXA	0.0047	7.794
7.927	2,2,3,4,5,5,6-HEPTA	0.0052	7.923
7.976	2,2,3,4,4,5,6-HEPTA	0.0052	7.973
8.395	2,2,3,4,4,5,5-HEPTA	0.0055	8.391
8.637	2,2,3,3,4,4,5-HEPTA	0.0052	8.632
9.526	2,2,3,3,4,4,5,5,6-NONA	0.0052	9.526
9.858	DECACHLOROBIPHENYL	0.0046	9.855
		0.0975	

Sample Name : STD 0.005 Inst. GC #32Could not execute ->
2PCBS-775 ->
Data File : C:\HPCHEM\1\DATA\2018\G321107A\002F0201.D
Injection Date : 11/7/2018 3:16:21 PM Analyst ID. : NK ML AH
Report Created : 11/8/201810:04:13 AM Vial No. : 2
Eq. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:27:45 PM Multiplier : 1.0000



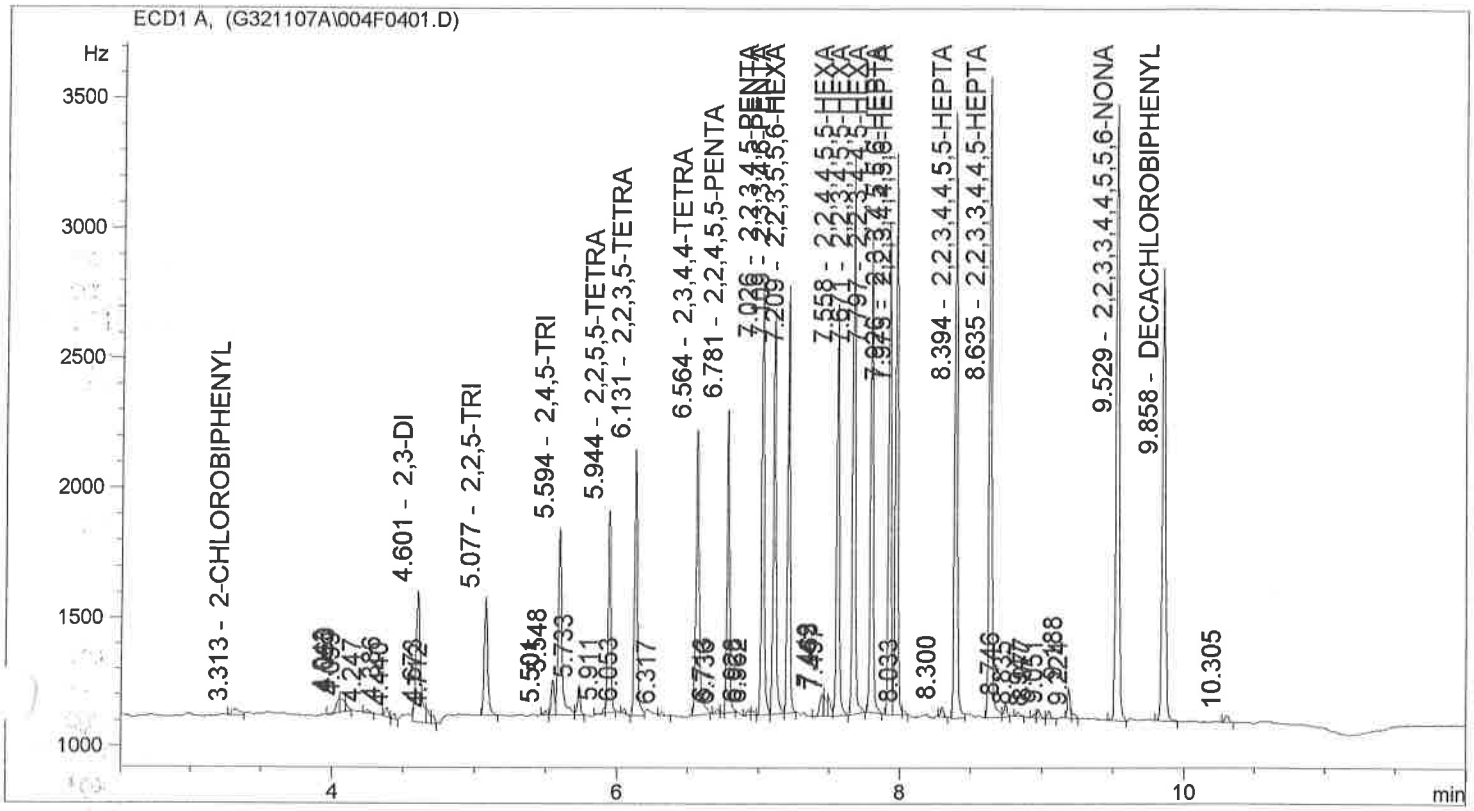
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.316	2-CHLOROBIPHENYL	0.0047	3.313
4.601	2,3-DI	0.0045	4.598
5.078	2,2,5-TRI	0.0044	5.074
5.594	2,4,5-TRI	0.0051	5.591
5.944	2,2,5,5-TETRA	0.0049	5.941
6.131	2,2,3,5-TETRA	0.0048	6.128
6.562	2,3,4,4-TETRA	0.0048	6.561
6.778	2,2,4,5,5-PENTA	0.0047	6.779
7.026	2,2,3,4,5-PENTA	0.0051	7.023
7.109	2,3,3,4,6-PENTA	0.0049	7.106
7.210	2,2,3,5,5,6-HEXA	0.0049	7.207
7.558	2,2,4,4,5,5-HEXA	0.0050	7.556
7.671	2,2,3,4,5,5-HEXA	0.0052	7.669
7.798	2,2,3,4,4,5-HEXA	0.0049	7.796
7.927	2,2,3,4,5,5,6-HEPTA	0.0053	7.925
7.976	2,2,3,4,4,5,6-HEPTA	0.0052	7.973
8.395	2,2,3,4,4,5,5-HEPTA	0.0055	8.393
8.637	2,2,3,3,4,4,5-HEPTA	0.0052	8.634
9.526	2,2,3,3,4,4,5,5,6-NONA	0.0052	9.528
9.858	DECACHLOROBIPHENYL	0.0046	9.857
		0.0988	

Sample Name : STD 0.005 Inst. GC #32Could not execute ->
2PCBS-775 ->
Data File : C:\HPCHEM\1\DATA\2018\G321107A\003F0301.D
Injection Date : 11/7/2018 3:31:52 PM Analyst ID. : NK ML AH
Report Created : 11/8/2018 9:41:20 AM Vial No. : 3
Eq. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/8/2018 09:36:53 AM Multiplier : 1.0000



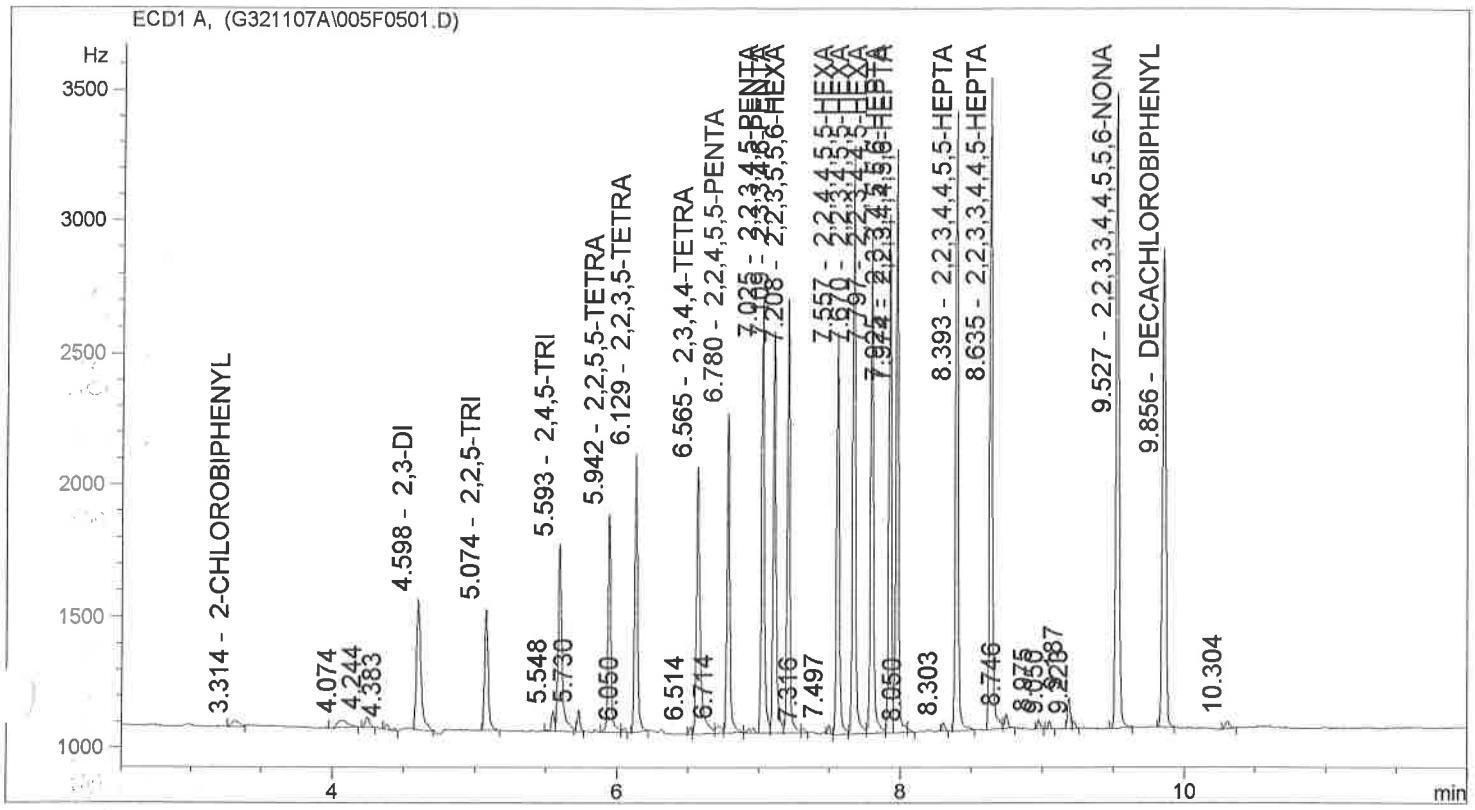
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.316	2-CHLOROBIPHENYL	0.0041	3.311
4.601	2,3-DI	0.0046	4.598
5.078	2,2,5-TRI	0.0045	5.075
5.594	2,4,5-TRI	0.0049	5.592
5.944	2,2,5,5-TETRA	0.0050	5.942
6.131	2,2,3,5-TETRA	0.0048	6.129
6.562	2,3,4,4-TETRA	0.0047	6.562
6.778	2,2,4,5,5-PENTA	0.0048	6.780
7.026	2,2,3,4,5-PENTA	0.0052	7.024
7.109	2,3,3,4,6-PENTA	0.0050	7.107
7.210	2,2,3,5,5,6-HEXA	0.0050	7.208
7.558	2,2,4,4,5,5-HEXA	0.0051	7.557
7.671	2,2,3,4,5,5-HEXA	0.0052	7.670
7.798	2,2,3,4,4,5-HEXA	0.0050	7.796
7.927	2,2,3,4,5,5,6-HEPTA	0.0053	7.925
7.976	2,2,3,4,4,5,6-HEPTA	0.0053	7.974
8.395	2,2,3,4,4,5,5-HEPTA	0.0054	8.393
8.637	2,2,3,3,4,4,5-HEPTA	0.0052	8.635
9.526	2,2,3,3,4,4,5,5,6-NONA	0.0052	9.529
9.858	DECACHLOROBIPHENYL	0.0047	9.858
		0.0988	

Sample Name : 0.0025 TRIAL 1 Inst. GC #32Could not execute ->
2PCBS-780 ->
Data File : C:\HPCHEM\1\DATA\2018\G321107A\004F0401.D
Injection Date : 11/8/2018 11:19:37 AM Analyst ID. : NK ML AH
Report Created : 11/8/201812:32:54 PM Vial No. : 4
Inj. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:27:45 PM Multiplier : 1.0000



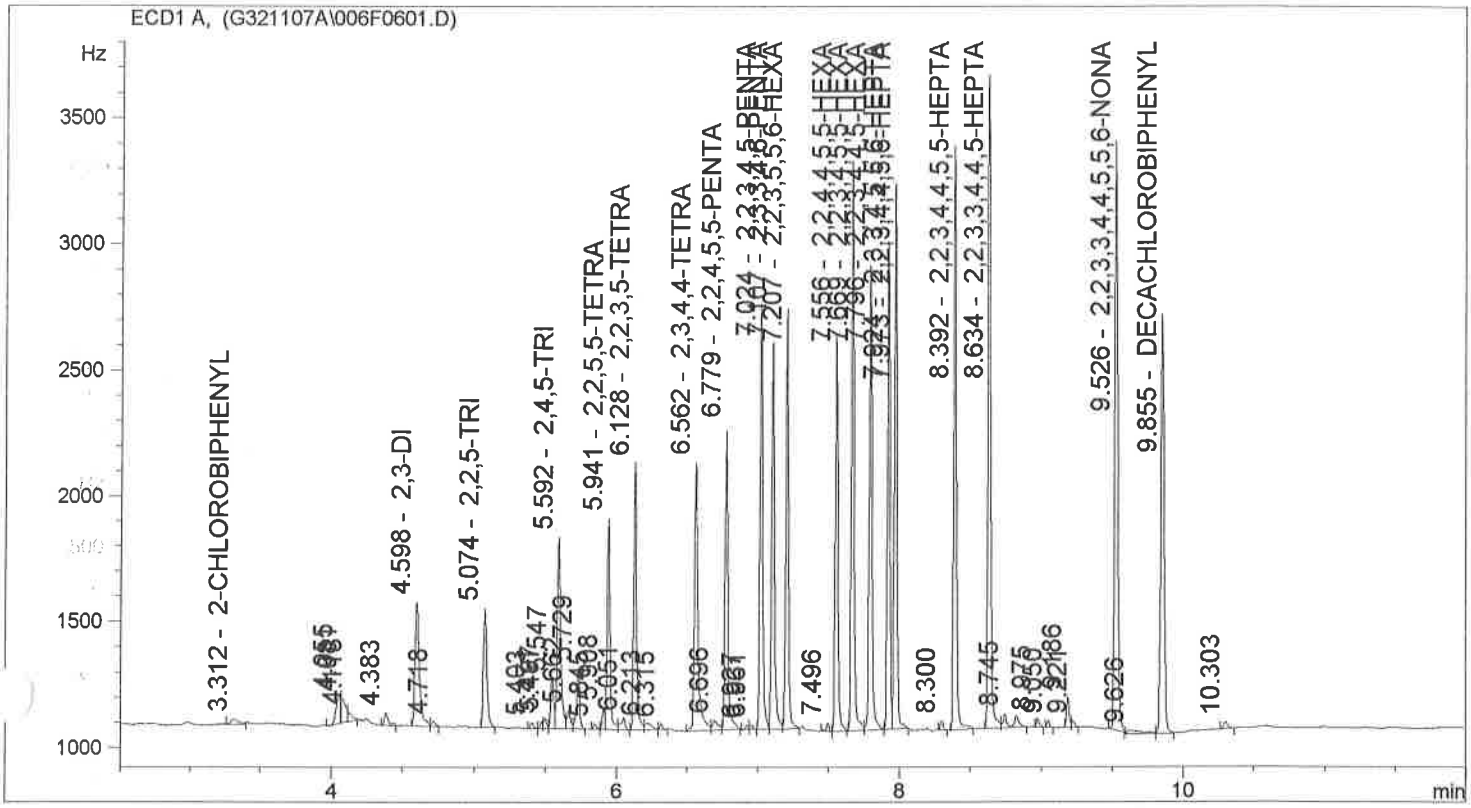
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.316	2-CHLOROBIPHENYL	0.0021	3.313
4.601	2,3-DI	0.0021	4.601
5.078	2,2,5-TRI	0.0014	5.077
5.594	2,4,5-TRI	0.0022	5.594
5.944	2,2,5,5-TETRA	0.0018	5.944
6.131	2,2,3,5-TETRA	0.0020	6.131
6.562	2,3,4,4-TETRA	0.0022	6.564
6.778	2,2,4,5,5-PENTA	0.0019	6.781
7.026	2,2,3,4,5-PENTA	0.0025	7.026
7.109	2,3,3,4,6-PENTA	0.0022	7.109
7.210	2,2,3,5,5,6-HEXA	0.0022	7.209
7.558	2,2,4,4,5,5-HEXA	0.0023	7.558
7.671	2,2,3,4,5,5-HEXA	0.0025	7.671
7.798	2,2,3,4,4,5-HEXA	0.0021	7.797
7.927	2,2,3,4,5,5,6-HEPTA	0.0026	7.926
7.976	2,2,3,4,4,5,6-HEPTA	0.0026	7.975
8.395	2,2,3,4,4,5,5-HEPTA	0.0030	8.394
8.637	2,2,3,3,4,4,5-HEPTA	0.0027	8.635
9.526	2,2,3,3,4,4,5,5,6-NONA	0.0025	9.529
9.858	DECACHLOROBIPHENYL	0.0019	9.858
		0.0448	

Sample Name : 0.0025 TRIAL 2 Inst. GC #32Could not execute ->
2PCBS-780 ->
Data File : C:\HPCHEM\1\DATA\2018\G321107A\005F0501.D
Injection Date : 11/8/2018 11:34:43 AM Analyst ID. : NK ML AH
Report Created : 11/8/201812:36:51 PM Vial No. : 5
Inj. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:27:45 PM Multiplier : 1.0000



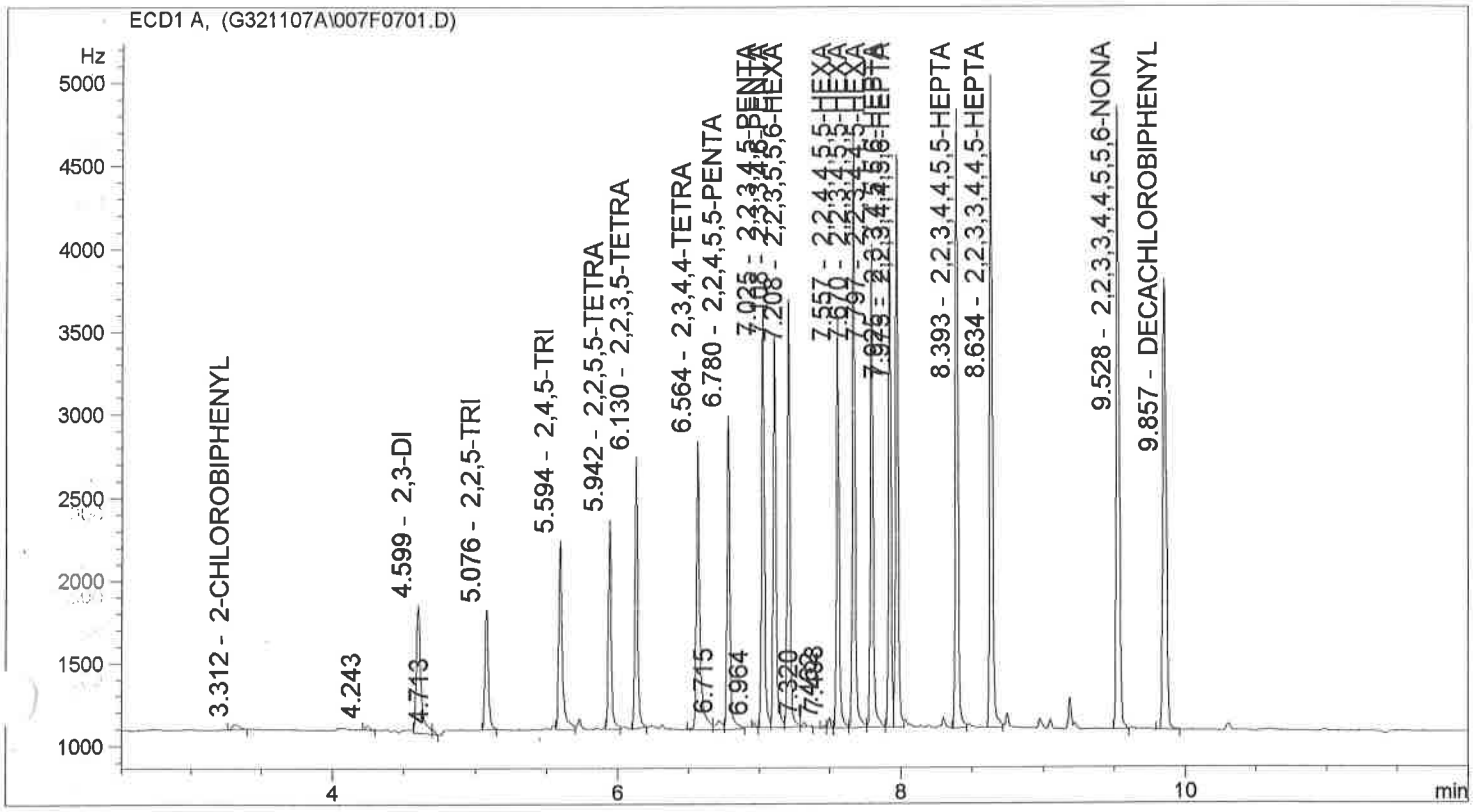
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.316	2-CHLOROBIPHENYL	0.0018	3.314
4.601	2,3-DI	0.0019	4.598
5.078	2,2,5-TRI	0.0015	5.074
5.594	2,4,5-TRI	0.0022	5.593
5.944	2,2,5,5-TETRA	0.0021	5.942
6.131	2,2,3,5-TETRA	0.0020	6.129
6.562	2,3,4,4-TETRA	0.0024	6.565
6.778	2,2,4,5,5-PENTA	0.0022	6.780
7.026	2,2,3,4,5-PENTA	0.0026	7.025
7.109	2,3,3,4,6-PENTA	0.0023	7.109
7.210	2,2,3,5,5,6-HEXA	0.0024	7.208
7.558	2,2,4,4,5,5-HEXA	0.0024	7.557
7.671	2,2,3,4,5,5-HEXA	0.0027	7.670
7.798	2,2,3,4,4,5-HEXA	0.0023	7.797
7.927	2,2,3,4,5,5,6-HEPTA	0.0027	7.925
7.976	2,2,3,4,4,5,6-HEPTA	0.0027	7.974
8.395	2,2,3,4,4,5,5-HEPTA	0.0031	8.393
8.637	2,2,3,3,4,4,5-HEPTA	0.0028	8.635
9.526	2,2,3,3,4,4,5,5,6-NONA	0.0026	9.527
9.858	DECACHLOROBIPHENYL	0.0019	9.856
		0.0467	

Sample Name : 0.0025 TRIAL 3 Inst. GC #32Could not execute ->
2PCBS-780 ->
Data File : C:\HPCHEM\1\DATA\2018\G321107A\006F0601.D
Injection Date : 11/8/2018 11:49:48 AM Analyst ID. : NK ML AH
Report Created : 11/8/201812:39:08 PM Vial No. : 6
Seq. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:27:45 PM Multiplier : 1.0000



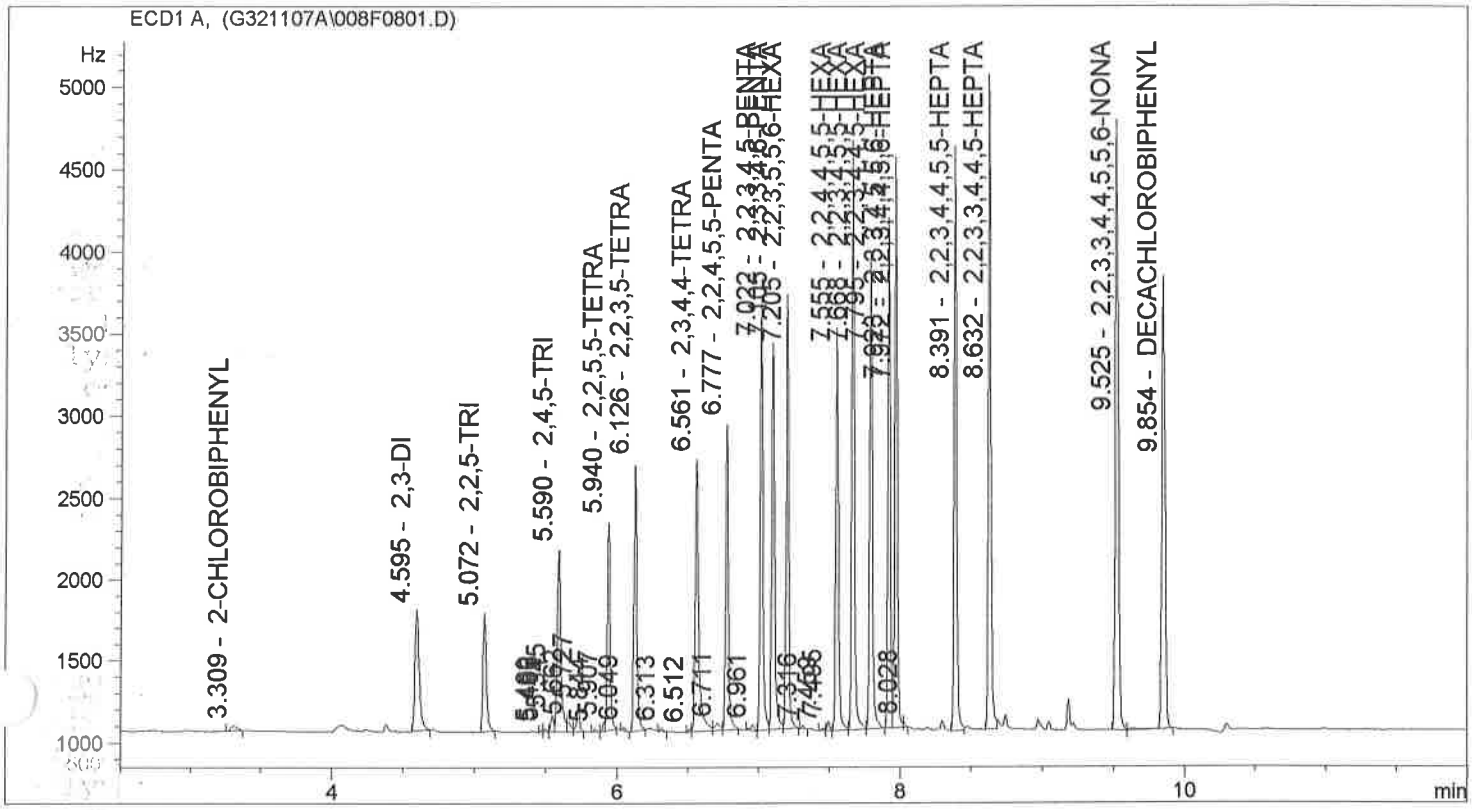
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.316	2-CHLOROBIPHENYL	0.0018	3.312
4.601	2,3-DI	0.0018	4.598
5.078	2,2,5-TRI	0.0014	5.074
5.594	2,4,5-TRI	0.0021	5.592
5.944	2,2,5,5-TETRA	0.0021	5.941
6.131	2,2,3,5-TETRA	0.0020	6.128
6.562	2,3,4,4-TETRA	0.0023	6.562
6.778	2,2,4,5,5-PENTA	0.0022	6.779
7.026	2,2,3,4,5-PENTA	0.0025	7.024
7.109	2,3,3,4,6-PENTA	0.0022	7.107
7.210	2,2,3,5,5,6-HEXA	0.0023	7.207
7.558	2,2,4,4,5,5-HEXA	0.0023	7.556
7.671	2,2,3,4,5,5-HEXA	0.0026	7.669
7.798	2,2,3,4,4,5-HEXA	0.0023	7.796
7.927	2,2,3,4,5,5,6-HEPTA	0.0027	7.924
7.976	2,2,3,4,4,5,6-HEPTA	0.0027	7.973
8.395	2,2,3,4,4,5,5-HEPTA	0.0030	8.392
8.637	2,2,3,3,4,4,5-HEPTA	0.0028	8.634
9.526	2,2,3,3,4,4,5,5,6-NONA	0.0025	9.526
9.858	DECACHLOROBIPHENYL	0.0018	9.855
		0.0455	

Sample Name : 0.004 TRIAL 1 Inst. GC #32Could not execute ->
2PCBS-781 ->
Data File : C:\HPCHEM\1\DATA\2018\G321107A\007F0701.D
Injection Date : 11/8/2018 3:19:07 PM Analyst ID. : NK ML AH
Report Created : 11/13/2018 9:11:36 AM Vial No. : 7
Eq. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:27:45 PM Multiplier : 1.0000



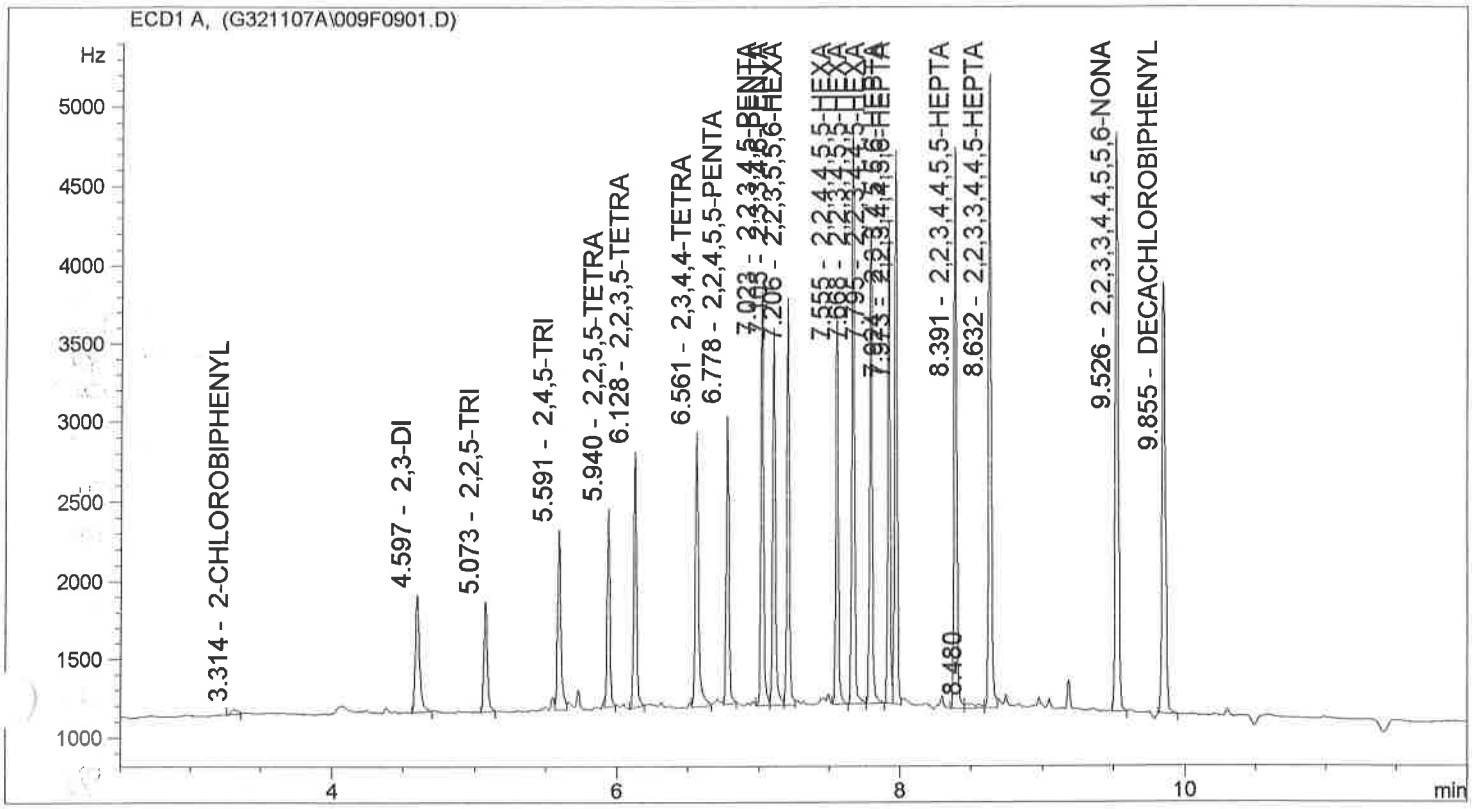
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.316	2-CHLOROBIPHENYL	0.0028	3.312
4.601	2,3-DI	0.0038	4.599
5.078	2,2,5-TRI	0.0031	5.076
5.594	2,4,5-TRI	0.0037	5.594
5.944	2,2,5,5-TETRA	0.0037	5.942
6.131	2,2,3,5-TETRA	0.0035	6.130
6.562	2,3,4,4-TETRA	0.0039	6.564
6.778	2,2,4,5,5-PENTA	0.0037	6.780
7.026	2,2,3,4,5-PENTA	0.0039	7.025
7.109	2,3,3,4,6-PENTA	0.0037	7.108
7.210	2,2,3,5,5,6-HEXA	0.0038	7.208
7.558	2,2,4,4,5,5-HEXA	0.0038	7.557
7.671	2,2,3,4,5,5-HEXA	0.0040	7.670
7.798	2,2,3,4,4,5-HEXA	0.0037	7.797
7.927	2,2,3,4,5,5,6-HEPTA	0.0041	7.925
7.976	2,2,3,4,4,5,6-HEPTA	0.0041	7.975
8.395	2,2,3,4,4,5,5-HEPTA	0.0045	8.393
8.637	2,2,3,3,4,4,5-HEPTA	0.0041	8.634
9.526	2,2,3,3,4,4,5,5,6-NONA	0.0039	9.528
9.858	DECACHLOROBIPHENYL	0.0033	9.857
		0.0751	

Sample Name : 0.004 TRIAL 2 Inst. GC #32Could not execute ->
2PCBS-781 ->
Data File : C:\HPCHEM\1\DATA\2018\G321107A\008F0801.D
Injection Date : 11/8/2018 3:34:09 PM Analyst ID. : NK ML AH
Report Created : 11/13/2018 9:40:14 AM Vial No. : 8
Eq. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:27:45 PM Multiplier : 1.0000



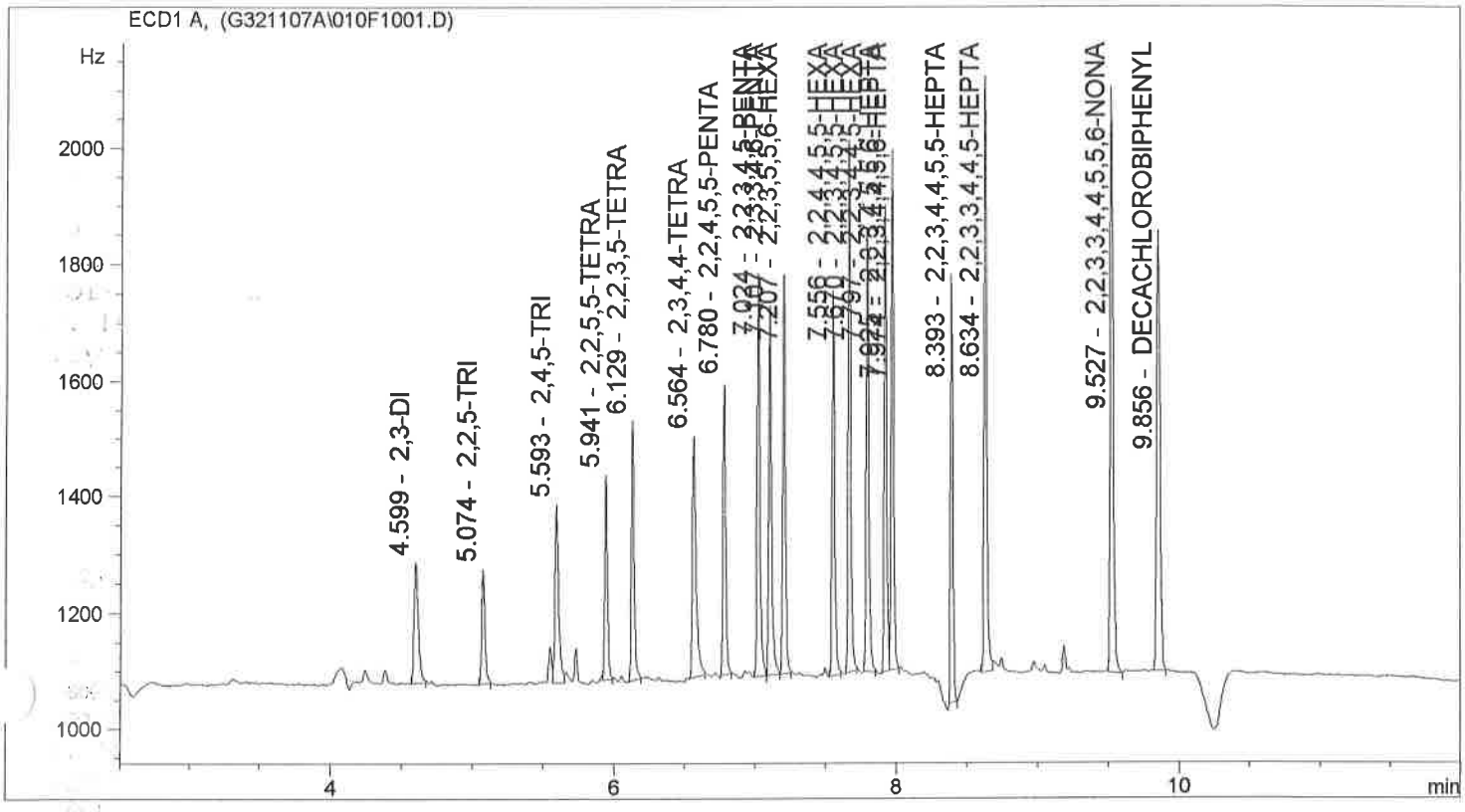
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.316	2-CHLOROBIPHENYL	0.0023	3.309
4.601	2,3-DI	0.0032	4.595
5.078	2,2,5-TRI	0.0031	5.072
5.594	2,4,5-TRI	0.0036	5.590
5.944	2,2,5,5-TETRA	0.0035	5.940
6.131	2,2,3,5-TETRA	0.0035	6.126
6.562	2,3,4,4-TETRA	0.0038	6.561
6.778	2,2,4,5,5-PENTA	0.0036	6.777
7.026	2,2,3,4,5-PENTA	0.0039	7.022
7.109	2,3,3,4,6-PENTA	0.0037	7.105
7.210	2,2,3,5,5,6-HEXA	0.0037	7.205
7.558	2,2,4,4,5,5-HEXA	0.0038	7.555
7.671	2,2,3,4,5,5-HEXA	0.0040	7.668
7.798	2,2,3,4,4,5-HEXA	0.0037	7.795
7.927	2,2,3,4,5,5,6-HEPTA	0.0041	7.923
7.976	2,2,3,4,4,5,6-HEPTA	0.0040	7.972
8.395	2,2,3,4,4,5,5-HEPTA	0.0043	8.391
8.637	2,2,3,3,4,4,5-HEPTA	0.0041	8.632
9.526	2,2,3,3,4,4,5,5,6-NONA	0.0039	9.525
9.858	DECACHLOROBIPHENYL	0.0034	9.854
		0.0734	

Sample Name : 0.004 TRIAL 3 Inst. GC #32Could not execute ->
2PCBS-781 ->
Data File : C:\HPCHEM\1\DATA\2018\G321107A\009F0901.D
Injection Date : 11/8/2018 3:49:14 PM Analyst ID. : NK ML AH
Report Created : 11/13/2018 9:43:50 AM Vial No. : 9
q. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:27:45 PM Multiplier : 1.0000



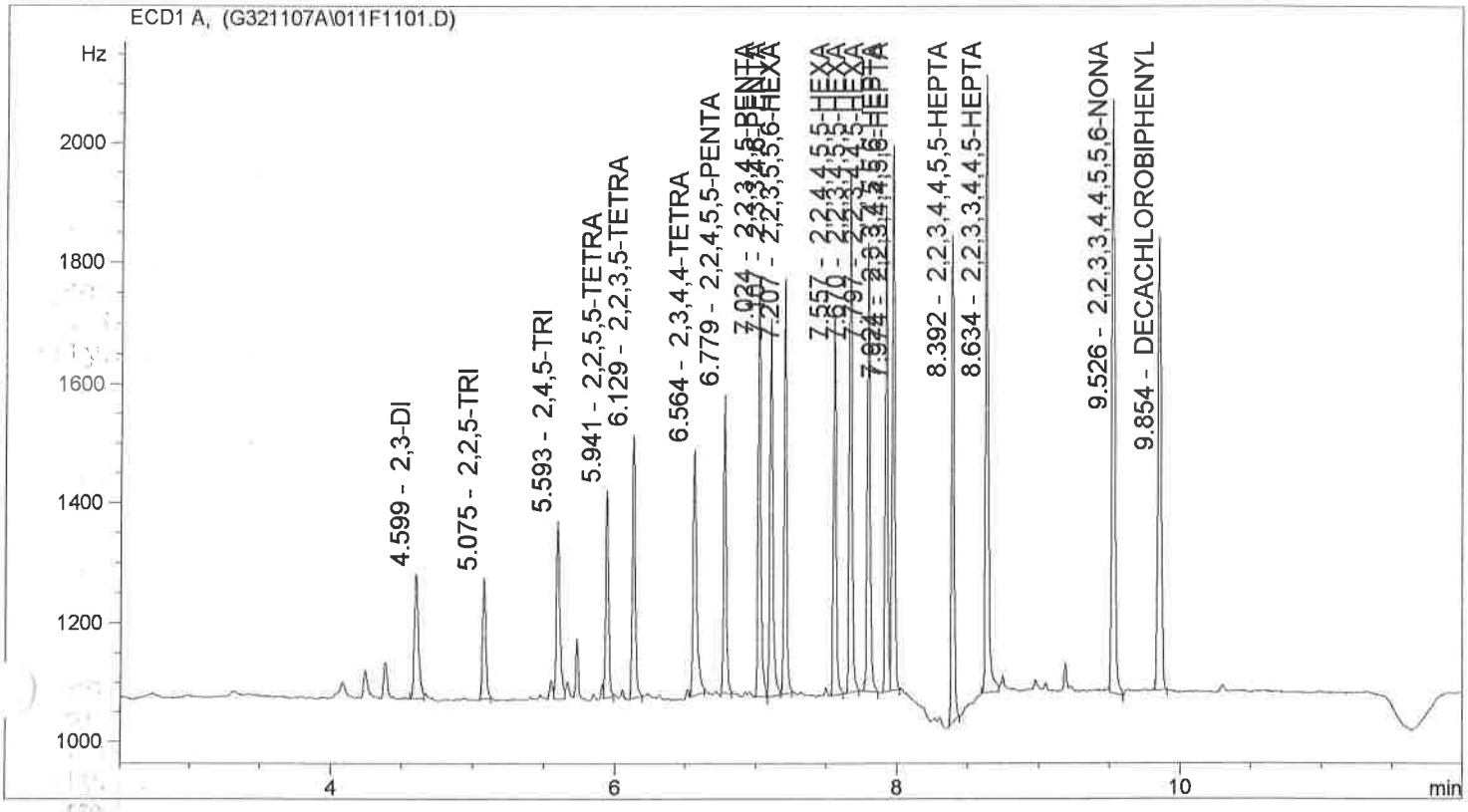
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.316	2-CHLOROBIPHENYL	0.0025	3.314
4.601	2,3-DI	0.0031	4.597
5.078	2,2,5-TRI	0.0029	5.073
5.594	2,4,5-TRI	0.0035	5.591
5.944	2,2,5,5-TETRA	0.0033	5.940
6.131	2,2,3,5-TETRA	0.0034	6.128
6.562	2,3,4,4-TETRA	0.0037	6.561
6.778	2,2,4,5,5-PENTA	0.0034	6.778
7.026	2,2,3,4,5-PENTA	0.0039	7.023
7.109	2,3,3,4,6-PENTA	0.0036	7.105
7.210	2,2,3,5,5,6-HEXA	0.0036	7.206
7.558	2,2,4,4,5,5-HEXA	0.0037	7.555
7.671	2,2,3,4,5,5-HEXA	0.0039	7.668
7.798	2,2,3,4,4,5-HEXA	0.0036	7.795
7.927	2,2,3,4,5,5,6-HEPTA	0.0040	7.924
7.976	2,2,3,4,4,5,6-HEPTA	0.0039	7.973
8.395	2,2,3,4,4,5,5-HEPTA	0.0043	8.391
8.637	2,2,3,3,4,4,5-HEPTA	0.0041	8.632
9.526	2,2,3,3,4,4,5,5,6-NONA	0.0039	9.526
9.858	DECACHLOROBIPHENYL	0.0033	9.855
		0.0716	

Sample Name : 0.001 TRIAL 1 Inst. GC #32Could not execute ->
2PCBS-782 ->
Data File : C:\HPCHEM\1\DATA\2018\G321107A\010F1001.D
Injection Date : 11/8/2018 4:04:19 PM Analyst ID. : NK ML AH
Report Created : 11/13/2018 9:52:08 AM Vial No. : 10
Eq. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:27:45 PM Multiplier : 1.0000



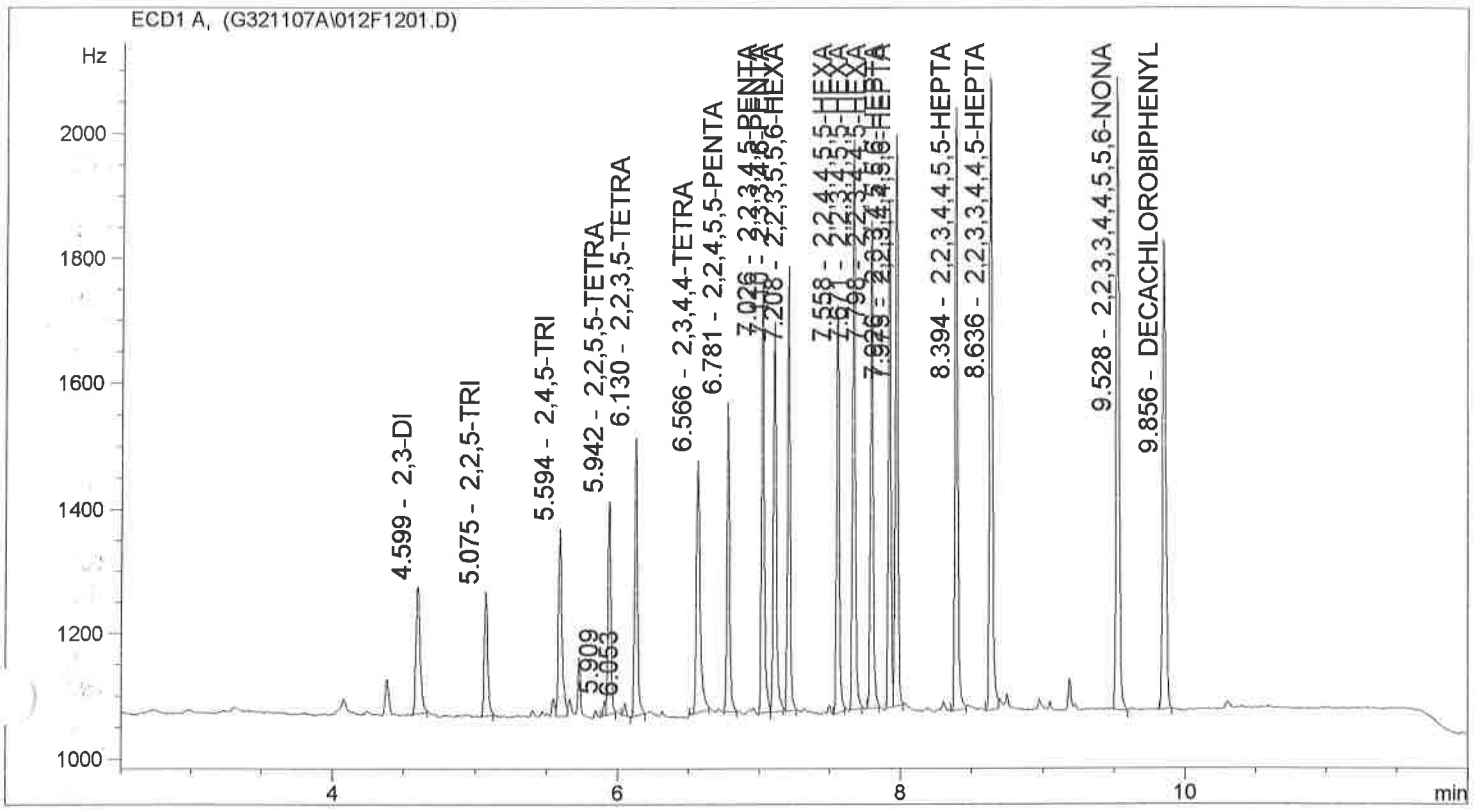
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.316	2-CHLOROBIPHENYL	0.0000	0.000
4.601	2,3-DI	0.0000	4.599
5.078	2,2,5-TRI	0.0000	5.074
5.594	2,4,5-TRI	0.0005	5.593
5.944	2,2,5,5-TETRA	0.0003	5.941
6.131	2,2,3,5-TETRA	0.0004	6.129
6.562	2,3,4,4-TETRA	0.0007	6.564
6.778	2,2,4,5,5-PENTA	0.0005	6.780
7.026	2,2,3,4,5-PENTA	0.0011	7.024
7.109	2,3,3,4,6-PENTA	0.0007	7.107
7.210	2,2,3,5,5,6-HEXA	0.0008	7.207
7.558	2,2,4,4,5,5-HEXA	0.0008	7.556
7.671	2,2,3,4,5,5-HEXA	0.0012	7.670
7.798	2,2,3,4,4,5-HEXA	0.0007	7.797
7.927	2,2,3,4,5,5,6-HEPTA	0.0012	7.925
7.976	2,2,3,4,4,5,6-HEPTA	0.0012	7.974
8.395	2,2,3,4,4,5,5-HEPTA	0.0013	8.393
8.637	2,2,3,3,4,4,5-HEPTA	0.0013	8.634
9.526	2,2,3,3,4,4,5,5,6-NONA	0.0012	9.527
9.858	DECACHLOROBIPHENYL	0.0004	9.856
		0.0142	

Sample Name : 0.001 TRIAL 2 Inst. GC #32Could not execute ->
2PCBS-782 ->
Data File : C:\HPCHEM\1\DATA\2018\G321107A\011F1101.D
Injection Date : 11/8/2018 4:19:24 PM Analyst ID. : NK ML AH
Report Created : 11/13/2018 9:54:31 AM Vial No. : 11
Eq. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:27:45 PM Multiplier : 1.0000



CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.316	2-CHLOROBIPHENYL	0.0000	0.000
4.601	2,3-DI	6.7814e-7	4.599
5.078	2,2,5-TRI	0.0000	5.075
5.594	2,4,5-TRI	0.0005	5.593
5.944	2,2,5,5-TETRA	0.0003	5.941
6.131	2,2,3,5-TETRA	0.0004	6.129
6.562	2,3,4,4-TETRA	0.0006	6.564
6.778	2,2,4,5,5-PENTA	0.0005	6.779
7.026	2,2,3,4,5-PENTA	0.0011	7.024
7.109	2,3,3,4,6-PENTA	0.0007	7.107
7.210	2,2,3,5,5,6-HEXA	0.0008	7.207
7.558	2,2,4,4,5,5-HEXA	0.0008	7.557
7.671	2,2,3,4,5,5-HEXA	0.0012	7.670
7.798	2,2,3,4,4,5-HEXA	0.0007	7.797
7.927	2,2,3,4,5,5,6-HEPTA	0.0012	7.924
7.976	2,2,3,4,4,5,6-HEPTA	0.0012	7.974
8.395	2,2,3,4,4,5,5-HEPTA	0.0014	8.392
8.637	2,2,3,3,4,4,5-HEPTA	0.0014	8.634
9.526	2,2,3,3,4,4,5,5,6-NONA	0.0012	9.526
9.858	DECACHLOROBIPHENYL	0.0004	9.854
		0.0143	

Sample Name : 0.001 TRIAL 3 Inst. GC #32Could not execute ->
2PCBS-782 ->
Data File : C:\HPCHEM\1\DATA\2018\G321107A\012F1201.D
Injection Date : 11/8/2018 4:34:27 PM Analyst ID. : NK ML AH
Report Created : 11/13/2018 9:56:23 AM Vial No. : 12
Inj. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/7/2018 00:27:45 PM Multiplier : 1.0000



CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.316	2-CHLOROBIPHENYL	0.0000	0.000
4.601	2,3-DI	0.0000	4.599
5.078	2,2,5-TRI	0.0000	5.075
5.594	2,4,5-TRI	0.0005	5.594
5.944	2,2,5,5-TETRA	0.0003	5.942
6.131	2,2,3,5-TETRA	0.0004	6.130
6.562	2,3,4,4-TETRA	0.0006	6.566
6.778	2,2,4,5,5-PENTA	0.0005	6.781
7.026	2,2,3,4,5-PENTA	0.0011	7.026
7.109	2,3,3,4,6-PENTA	0.0007	7.110
7.210	2,2,3,5,5,6-HEXA	0.0008	7.208
7.558	2,2,4,4,5,5-HEXA	0.0008	7.558
7.671	2,2,3,4,5,5-HEXA	0.0012	7.671
7.798	2,2,3,4,4,5-HEXA	0.0007	7.798
7.927	2,2,3,4,5,5,6-HEPTA	0.0012	7.926
7.976	2,2,3,4,4,5,6-HEPTA	0.0012	7.975
8.395	2,2,3,4,4,5,5-HEPTA	0.0016	8.394
8.637	2,2,3,3,4,4,5-HEPTA	0.0014	8.636
9.526	2,2,3,3,4,4,5,5,6-NONA	0.0012	9.528
9.858	DECACHLOROBIPHENYL	0.0004	9.856
		0.0145	

Method Information

SOP 9213 FOR PCB ANALYSIS FOR 30 METER COLUMN .32mm ID .25um FILM WITH A 12 MINUTE RUN TIME AND 1.0 MICROLITER INJECTION SPLITLESS 1 MINUTE PURGE ON

Method Change History

Operator	Date	Change Information
NK ML AH	11/20/2018 12:09:13 PM	NEW METHOD

Run Time Checklist

Pre-Run Cmd/Macro:	off
Data Acquisition:	on
Standard Data Analysis:	on
Customized Data Analysis:	off
Save GLP Data:	off
Post-Run Cmd/Macro:	off
Save Method with Data:	skipped - no ACQ running

Injection Source and Location

Injection Source: HP GC Injector

Injection Location: Dual

HP6890 GC METHOD

OVEN

Initial temp: 130 'C (On)
Initial time: 2.00 min
Ramps:

#	Rate	Final temp	Final time
1	20.00	270	3.00
2	0.0(Off)		

Post temp: 0 'C
Post time: 0.00 min
Run time: 12.00 min

Maximum temp: 350 'C
Equilibration time: 0.00 min

FRONT INLET (SPLIT/SPLITLESS)

Mode: Splitless
Initial temp: 280 'C (On)
Pressure: 12.98 psi (On)
Purge flow: 50.0 mL/min
Purge time: 1.00 min
Total flow: 59.6 mL/min
Gas saver: On
Saver flow: 20.0 mL/min
Saver time: 1.00 min
Gas type: Hydrogen

BACK INLET (SPLIT/SPLITLESS)

Mode: Splitless
Initial temp: 280 'C (On)
Pressure: 11.84 psi (On)
Purge flow: 50.0 mL/min
Purge time: 1.00 min
Total flow: 60.5 mL/min
Gas saver: On
Saver flow: 20.0 mL/min
Saver time: 1.00 min
Gas type: Hydrogen

COLUMN 1

Capillary Column
Model Number: Zebron ZB-5MS
5% Methyl Silicate
Max temperature: 350 'C
Nominal length: 30.0 m
Nominal diameter: 320.00 um
Nominal film thickness: 0.25 um
Mode: constant flow
Initial flow: 4.5 mL/min
Nominal init pressure: 12.98 psi
Average velocity: 85 cm/sec
Inlet: Front Inlet
Outlet: Front Detector
Outlet pressure: ambient

COLUMN 2

Capillary Column
Model Number: Zebron ZB-5MS
5% Methyl Silicate
Max temperature: 350 'C
Nominal length: 30.0 m
Nominal diameter: 320.00 um
Nominal film thickness: 0.25 um
Mode: constant flow
Initial flow: 4.0 mL/min
Nominal init pressure: 11.84 psi
Average velocity: 78 cm/sec
Inlet: Back Inlet
Outlet: Back Detector
Outlet pressure: ambient

FRONT DETECTOR (μECD)

Temperature: 350 'C (On)
Mode: Constant column+makeup flow
Combined flow: 65.0 mL/min
Makeup flow: On
Makeup Gas Type: Nitrogen
Electrometer: On

BACK DETECTOR (μECD)

Temperature: 350 'C (On)
Mode: Constant column+makeup flow
Combined flow: 65.0 mL/min
Makeup flow: On
Makeup Gas Type: Nitrogen
Electrometer: On

SIGNAL 1

Data rate: 5 Hz
Type: front det - col comp 1
Save Data: On
Start Save Time: 1.50 min

SIGNAL 2

Data rate: 5 Hz
Type: back det - col comp 2
Save Data: On
Start Save Time: 1.50 min

Stop Save Time: 12.00 min
Zero: 50.0 (On)
Range: 0
Fast Peaks: Off
Attenuation: 0

Stop Save Time: 12.00 min
Zero: 50.0 (On)
Range: 0
Fast Peaks: Off
Attenuation: 0

COLUMN COMP 1
Derive from front detector

COLUMN COMP 2
Derive from back detector

POST RUN
Post Time: 0.00 min

TIME TABLE

Time	Specifier	Parameter & Setpoint

7673 Injector

Front Injector:

Sample Washes	3
Sample Pumps	3
Injection Volume	1.0 microliters
Syringe Size	5.0 microliters
Nanoliter Adapter	Off
PostInj Solvent A Washes	5
PostInj Solvent B Washes	5
Viscosity Delay	0 seconds
Plunger Speed	Fast
PreInjection Dwell	0.00 minutes
PostInjection Dwell	0.00 minutes

Back Injector:

Sample Washes	3
Sample Pumps	3
Injection Volume	1.0 microliters
Syringe Size	5.0 microliters
Nanoliter Adapter	Off
PostInj Solvent A Washes	5
PostInj Solvent B Washes	5
Viscosity Delay	0 seconds
Plunger Speed	Fast
PreInjection Dwell	0.00 minutes
PostInjection Dwell	0.00 minutes

Integration Events

.esults will be produced with the enhanced integrator.

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.010	Initial
Initial Area Reject	200.000	Initial
Initial Height Reject	100.000	Initial
Initial Shoulders	DROP	Initial
Integration OFF		0.000
Integration ON		1.500
Slope Sensitivity	500.000	3.380
Slope Sensitivity	0.000	5.331
Baseline Now		5.332
Tail Tangent Skim OFF		10.000

Signal Specific Integration Event Table "Event_ECD1A"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.026	Initial
Initial Area Reject	16.268	Initial
Initial Height Reject	5.168	Initial
Initial Shoulders	DROP	Initial
Integration ON		0.000

Apply Manual Integration Events: No

==========
Calibration Table
==========

OP 9202 TIER I ANALYSIS

Calib. Data Modified : Tuesday, November 20, 2018 12:05:10 PM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 1.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 1.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : compound name not specified
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Ignored
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ug/ml]	Area	Amt/Area	Ref	Grp	Name
3.310	1	1	5.00000e-3	136.14754	3.67249e-5			2-CHLOROBIPHENYL
		2	1.00000e-2	244.94872	4.08249e-5			
		3	2.00000e-2	503.54056	3.97187e-5			
		4	4.00000e-2	1033.80322	3.86921e-5			
		5	8.00000e-2	2051.03149	3.90048e-5			
4.594	1	1	5.00000e-3	1905.78125	2.62360e-6			2,3-DI
		2	1.00000e-2	3714.41016	2.69222e-6			
		3	2.00000e-2	7668.50830	2.60807e-6			
		4	4.00000e-2	1.45171e4	2.75537e-6			
		5	8.00000e-2	2.77680e4	2.88101e-6			
5.070	1	1	5.00000e-3	1508.69385	3.31413e-6			2,2,5-TRI
		2	1.00000e-2	2874.42578	3.47896e-6			
		3	2.00000e-2	5866.46094	3.40921e-6			
		4	4.00000e-2	1.10992e4	3.60385e-6			
		5	8.00000e-2	2.10985e4	3.79174e-6			
5.587	1	1	2.50000e-3	1080.45398	2.31384e-6			2,4,5-TRI
		2	5.00000e-3	2349.55200	2.12807e-6			
		3	1.00000e-2	4680.81299	2.13638e-6			
		4	2.00000e-2	9162.32227	2.18285e-6			
		5	4.00000e-2	1.83248e4	2.18283e-6			

Method C:\HPCHEM\1\METHODS\CONF18B.M

RetTime [min]	Sig	Lvl	Amount [ug/ml]	Area	Amt/Area	Ref	Grp	Name
5.937	1	1	4.00000e-3	1819.44812	2.19847e-6			2,2,5,5-TETRA
		2	8.00000e-3	3383.40479	2.36448e-6			
		3	1.60000e-2	6802.33154	2.35213e-6			
		4	3.20000e-2	1.29623e4	2.46871e-6			
		5	6.40000e-2	2.55646e4	2.50347e-6			
6.124	1	1	4.00000e-3	2232.85083	1.79143e-6			2,2,3,5-TETRA
		2	8.00000e-3	4326.84375	1.84892e-6			
		3	1.60000e-2	8883.22363	1.80115e-6			
		4	3.20000e-2	1.71258e4	1.86853e-6			
		5	6.40000e-2	3.39307e4	1.88620e-6			
6.556	1	1	2.50000e-3	1713.84790	1.45871e-6			2,3,4,4-TETRA
		2	5.00000e-3	3267.42920	1.53026e-6			
		3	1.00000e-2	6592.50977	1.51687e-6			
		4	2.00000e-2	1.28221e4	1.55981e-6			
		5	4.00000e-2	2.61764e4	1.52809e-6			
6.775	1	1	2.50000e-3	1613.37512	1.54955e-6			2,2,4,5,5-PENTA
		2	5.00000e-3	3122.82397	1.60111e-6			
		3	1.00000e-2	6316.24023	1.58322e-6			
		4	2.00000e-2	1.21075e4	1.65187e-6			
		5	4.00000e-2	2.37371e4	1.68513e-6			
7.019	1	1	1.00000e-3	887.75818	1.12643e-6			2,2,3,4,5-PENTA
		2	2.00000e-3	1734.45850	1.15310e-6			
		3	4.00000e-3	3592.35767	1.11347e-6			
		4	8.00000e-3	7305.44092	1.09507e-6			
		5	1.60000e-2	1.42909e4	1.11959e-6			
7.102	1	1	2.50000e-3	2024.17151	1.23507e-6			2,3,3,4,6-PENTA
		2	5.00000e-3	3946.05322	1.26709e-6			
		3	1.00000e-2	8210.22852	1.21799e-6			
		4	2.00000e-2	1.60540e4	1.24580e-6			
		5	4.00000e-2	3.25612e4	1.22845e-6			
7.203	1	1	2.50000e-3	2163.50220	1.15553e-6			2,2,3,5,5,6-HEXA
		2	5.00000e-3	4162.55371	1.20119e-6			
		3	1.00000e-2	8534.22852	1.17175e-6			
		4	2.00000e-2	1.67050e4	1.19724e-6			
		5	4.00000e-2	3.31534e4	1.20651e-6			
7.551	1	1	2.50000e-3	2021.39038	1.23677e-6			2,2,4,4,5,5-HEXA
		2	5.00000e-3	3978.49219	1.25676e-6			
		3	1.00000e-2	8029.81250	1.24536e-6			
		4	2.00000e-2	1.54533e4	1.29422e-6			
		5	4.00000e-2	3.07409e4	1.30120e-6			
7.665	1	1	2.50000e-3	2864.82813	8.72653e-7			2,2,3,4,5,5-HEXA
		2	5.00000e-3	5895.32275	8.48130e-7			
		3	1.00000e-2	1.20784e4	8.27924e-7			
		4	2.00000e-2	2.35115e4	8.50647e-7			
		5	4.00000e-2	4.78728e4	8.35547e-7			
7.791	1	1	2.50000e-3	2503.02954	9.98790e-7			2,2,3,4,4,5-HEXA
		2	5.00000e-3	5136.67627	9.73392e-7			
		3	1.00000e-2	1.00773e4	9.92331e-7			
		4	2.00000e-2	1.96660e4	1.01698e-6			
		5	4.00000e-2	3.93369e4	1.01686e-6			
7.920	1	1	2.50000e-3	2421.25781	1.03252e-6			2,2,3,4,5,5,6-HEPTA
		2	5.00000e-3	4829.01758	1.03541e-6			
		3	1.00000e-2	9739.87988	1.02671e-6			
		4	2.00000e-2	1.93975e4	1.03106e-6			
		5	4.00000e-2	3.87128e4	1.03325e-6			
7.969	1	1	2.50000e-3	2724.69434	9.17534e-7			2,2,3,4,4,5,6-HEPTA

Method C:\HPCHEM\1\METHODS\CONF18B.M

RetTime [min]	Sig	Lvl	Amount [ug/ml]	Area	Amt/Area	Ref	Grp	Name
		2	5.00000e-3	5542.97070	9.02043e-7			
		3	1.00000e-2	1.11591e4	8.96127e-7			
		4	2.00000e-2	2.22835e4	8.97526e-7			
		5	4.00000e-2	4.49973e4	8.88942e-7			
8.387	1	1	4.00000e-3	3653.23828	1.09492e-6			2,2,3,4,4,5,5-HEPTA
		2	8.00000e-3	6702.01855	1.19367e-6			
		3	1.60000e-2	1.54833e4	1.03337e-6			
		4	3.20000e-2	3.57369e4	8.95432e-7			
		5	6.40000e-2	6.88075e4	9.30131e-7			
8.629	1	1	2.50000e-3	3247.00269	7.69941e-7			2,2,3,3,4,4,5-HEPTA
		2	5.00000e-3	6350.76514	7.87307e-7			
		3	1.00000e-2	1.29788e4	7.70486e-7			
		4	2.00000e-2	2.61058e4	7.66114e-7			
		5	4.00000e-2	5.25218e4	7.61588e-7			
9.521	1	1	2.50000e-3	3713.57837	6.73205e-7			2,2,3,3,4,4,5,5,6-NONA
		2	5.00000e-3	7088.24805	7.05393e-7			
		3	1.00000e-2	1.44148e4	6.93729e-7			
		4	2.00000e-2	2.87240e4	6.96282e-7			
		5	4.00000e-2	5.58311e4	7.16446e-7			
9.850	1	1	6.00000e-3	6878.74170	8.72253e-7			DECACHLOROBIPHENYL
		2	1.20000e-2	1.31856e4	9.10081e-7			
		3	2.40000e-2	2.67812e4	8.96150e-7			
		4	4.80000e-2	5.35480e4	8.96392e-7			
		5	9.60000e-2	9.97403e4	9.62499e-7			

1 Warnings or Errors :

Warning : Overlapping peak time windows at 7.92 min, signal 1

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Peak Sum Table

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No Entries in table

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Calibration Curves

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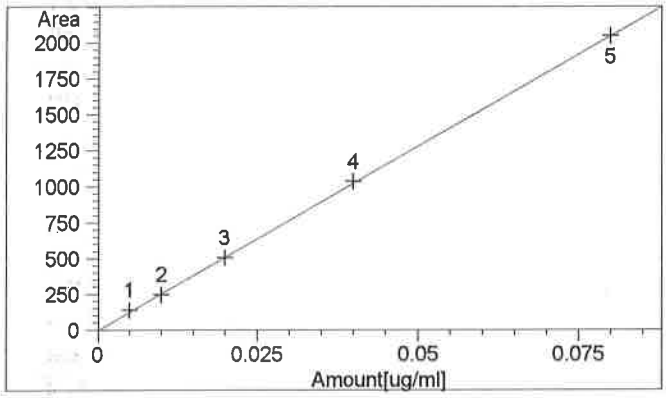
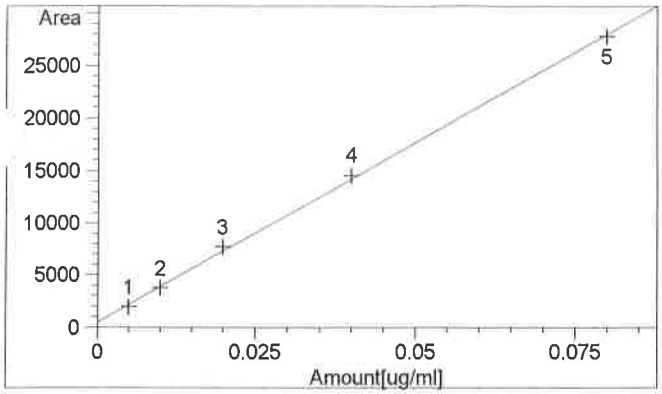
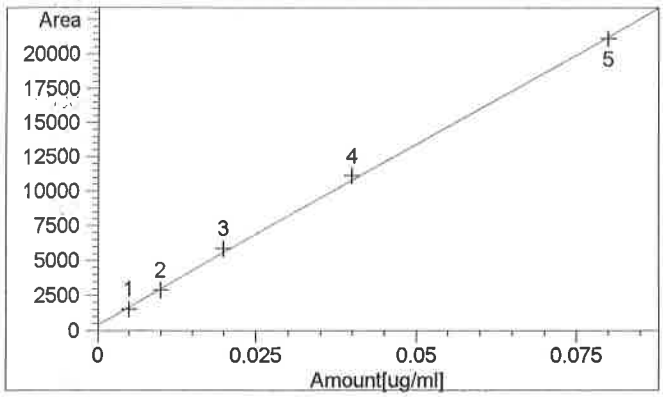


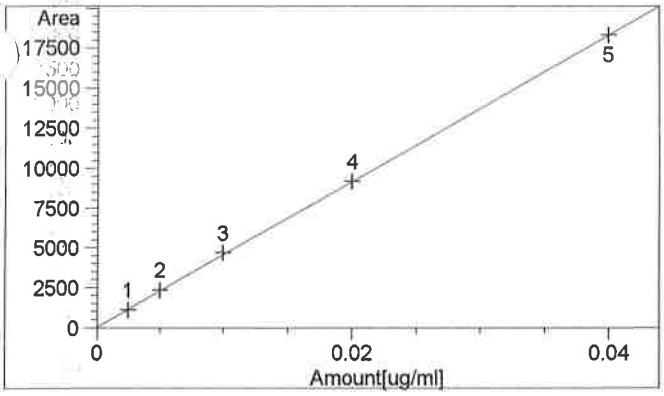
2-CHLOROBIPHENYL at exp. RT: 3.310
ECD1 A,
Correlation: 0.99993
Residual Std. Dev.: 10.51971
Formula: y = mx + b
m: 25694.10406
b: -2.62292
x: Amount[ug/ml]
y: Area



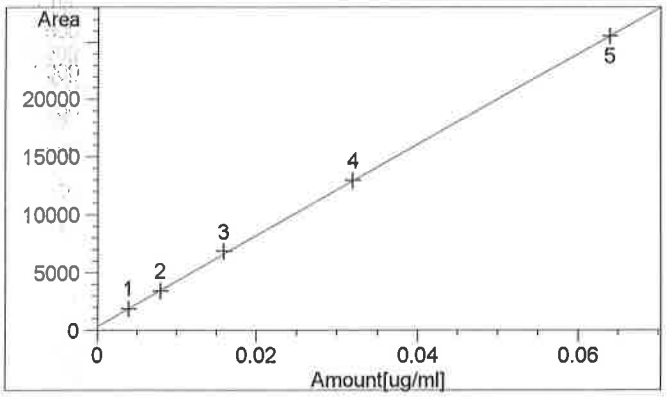
2,3-DI at exp. RT: 4.594
ECD1 A,
Correlation: 0.99960
Residual Std. Dev.: 341.71571
Formula: y = mx + b
m: 343919.49673
b: 453.26015
x: Amount[ug/ml]
y: Area



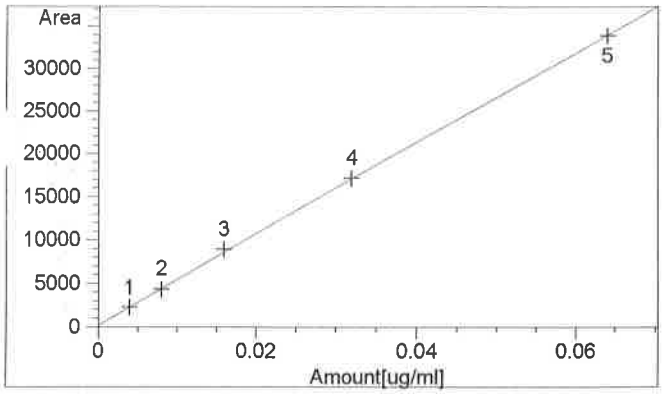
2,2,5-TRI at exp. RT: 5.070
ECD1 A,
Correlation: 0.99957
Residual Std. Dev.: 269.15912
Formula: y = mx + b
m: 260644.68718
b: 409.47437
x: Amount[ug/ml]
y: Area



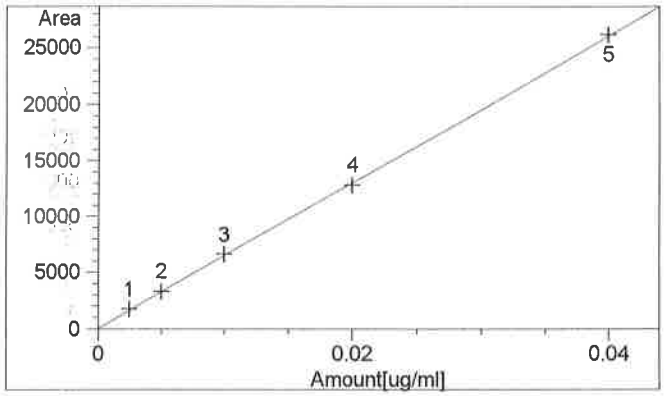
2,4,5-TRI at exp. RT: 5.587
ECD1 A,
Correlation: 0.99996
Residual Std. Dev.: 72.42467
Formula: y = mx + b
m: 457771.80963
b: 24.12848
x: Amount[ug/ml]
y: Area



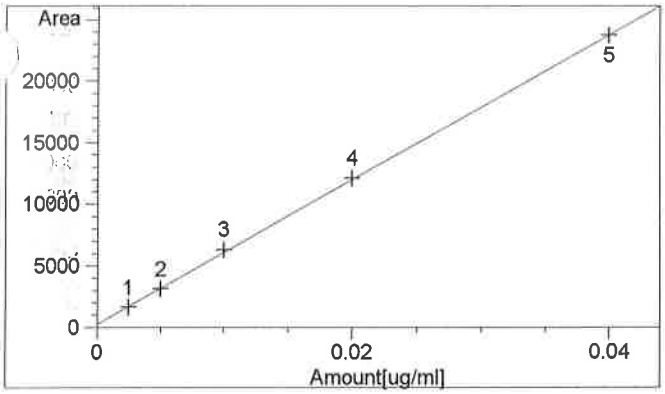
2,2,5,5-TETRA at exp. RT: 5.937
ECD1 A,
Correlation: 0.99994
Residual Std. Dev.: 119.53751
Formula: y = mx + b
m: 395208.54540
b: 305.22590
x: Amount[ug/ml]
y: Area



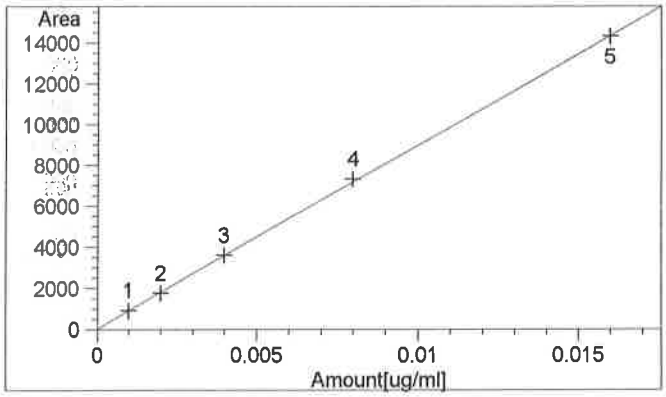
2,2,3,5-TETRA at exp. RT: 6.124
ECD1 A,
Correlation: 0.99994
Residual Std. Dev.: 158.24961
Formula: y = mx + b
m: 527587.79235
b: 215.69545
x: Amount[ug/ml]
y: Area



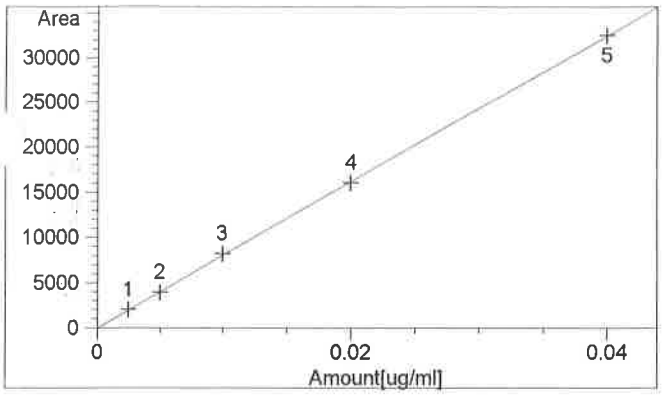
2,3,4,4-TETRA at exp. RT: 6.556
ECD1 A,
Correlation: 0.99991
Residual Std. Dev.: 151.38023
Formula: y = mx + b
m: 651800.73505
b: 11.54012
x: Amount[ug/ml]
y: Area



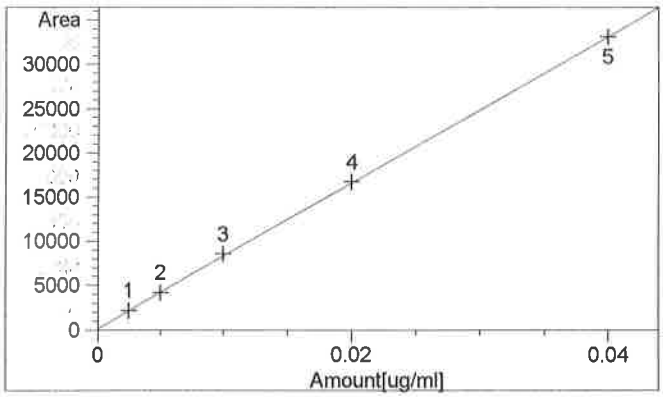
2,2,4,5,5-PENTA at exp. RT: 6.775
ECD1 A,
Correlation: 0.99991
Residual Std. Dev.: 140.77232
Formula: y = mx + b
m: 588751.76989
b: 253.75399
x: Amount[ug/ml]
y: Area



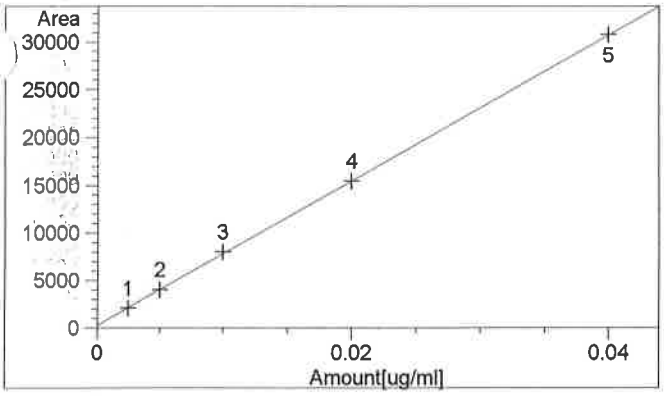
2,2,3,4,5-PENTA at exp. RT: 7.019
ECD1 A,
Correlation: 0.99990
Residual Std. Dev.: 89.61171
Formula: y = mx + b
m: 896483.11689
b: 3.99445
x: Amount[ug/ml]
y: Area



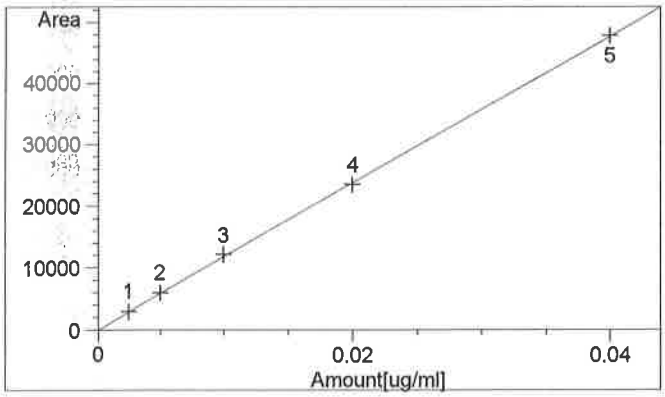
2,3,3,4,6-PENTA at exp. RT: 7.102
ECD1 A,
Correlation: 0.99996
Residual Std. Dev.: 135.10226
Formula: y = mx + b
m: 814074.26298
b: -59.02117
x: Amount[ug/ml]
y: Area



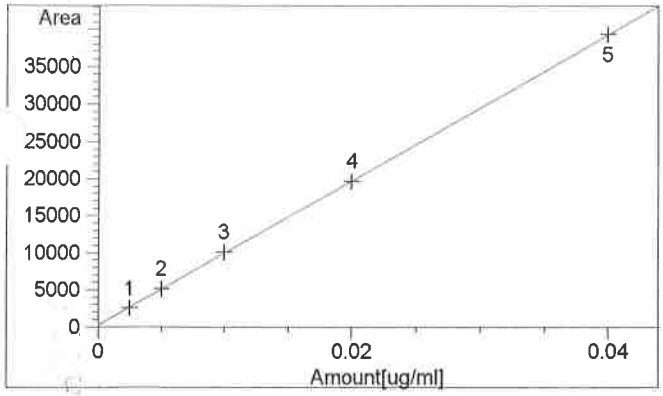
2,2,3,5,5,6-HEXA at exp. RT: 7.203
ECD1 A,
Correlation: 0.99997
Residual Std. Dev.: 106.09511
Formula: y = mx + b
m: 826516.20175
b: 132.73818
x: Amount[ug/ml]
y: Area



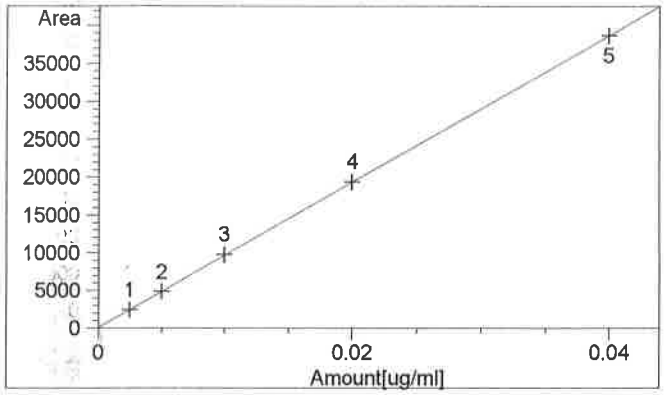
2,2,4,4,5,5-HEXA at exp. RT: 7.551
ECD1 A,
Correlation: 0.99996
Residual Std. Dev.: 124.69115
Formula: y = mx + b
m: 763951.19156
b: 203.52191
x: Amount[ug/ml]
y: Area



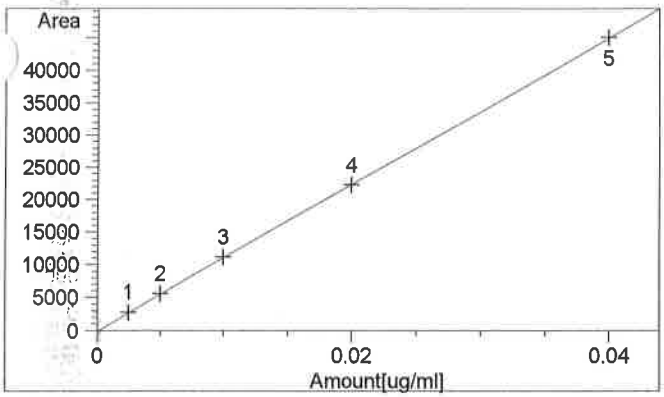
2,2,3,4,5,5-HEXA at exp. RT: 7.665
ECD1 A,
Correlation: 0.99994
Residual Std. Dev.: 231.23811
Formula: y = mx + b
m: 1.19689e6
b: -107.27692
x: Amount[ug/ml]
y: Area



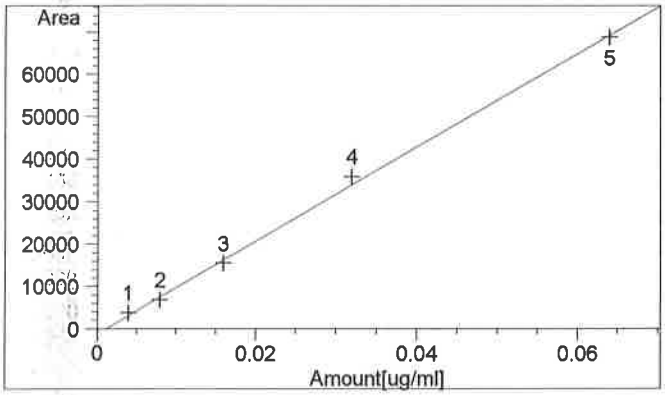
2,2,3,4,4,5-HEXA at exp. RT: 7.791
ECD1 A,
Correlation: 0.99998
Residual Std. Dev.: 114.14352
Formula: y = mx + b
m: 978873.62809
b: 171.44446
x: Amount[ug/ml]
y: Area



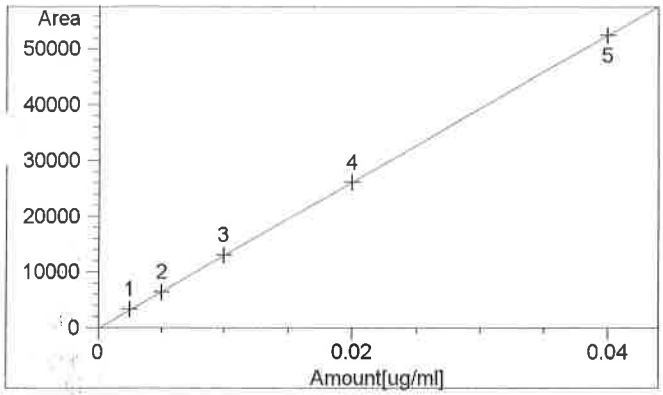
2,2,3,4,5,5,6-HEPTA at exp. RT: 7.920
ECD1 A,
Correlation: 1.00000
Residual Std. Dev.: 35.64124
Formula: y = mx + b
m: 967745.42853
b: 20.05465
x: Amount[ug/ml]
y: Area



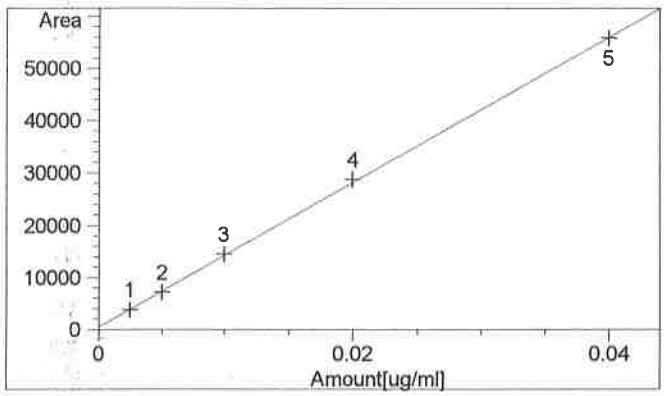
2,2,3,4,4,5,6-HEPTA at exp. RT: 7.969
ECD1 A,
Correlation: 0.99999
Residual Std. Dev.: 84.10204
Formula: y = mx + b
m: 1.12657e6
b: -120.35311
x: Amount[ug/ml]
y: Area



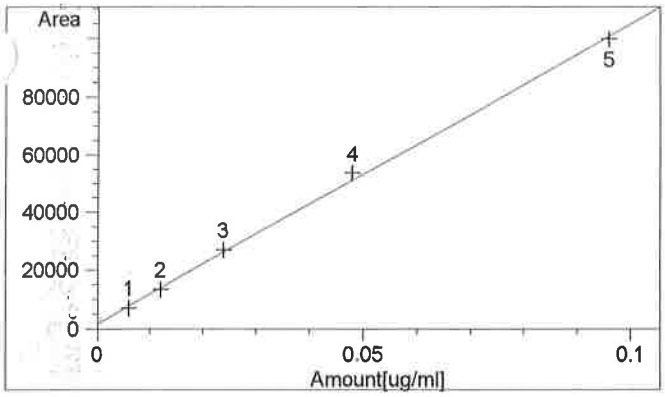
2,2,3,4,4,5,5-HEPTA at exp. RT: 8.387
ECD1 A,
Correlation: 0.99914
Residual Std. Dev.: 1287.59772
Formula: y = mx + b
m: 1.10456e6
b: -1316.38460
x: Amount[ug/ml]
y: Area



2,2,3,3,4,4,5-HEPTA at exp. RT: 8.629
ECD1 A,
Correlation: 0.99999
Residual Std. Dev.: 88.63633
Formula: y = mx + b
m: 1.31611e6
b: -158.87972
x: Amount[ug/ml]
y: Area



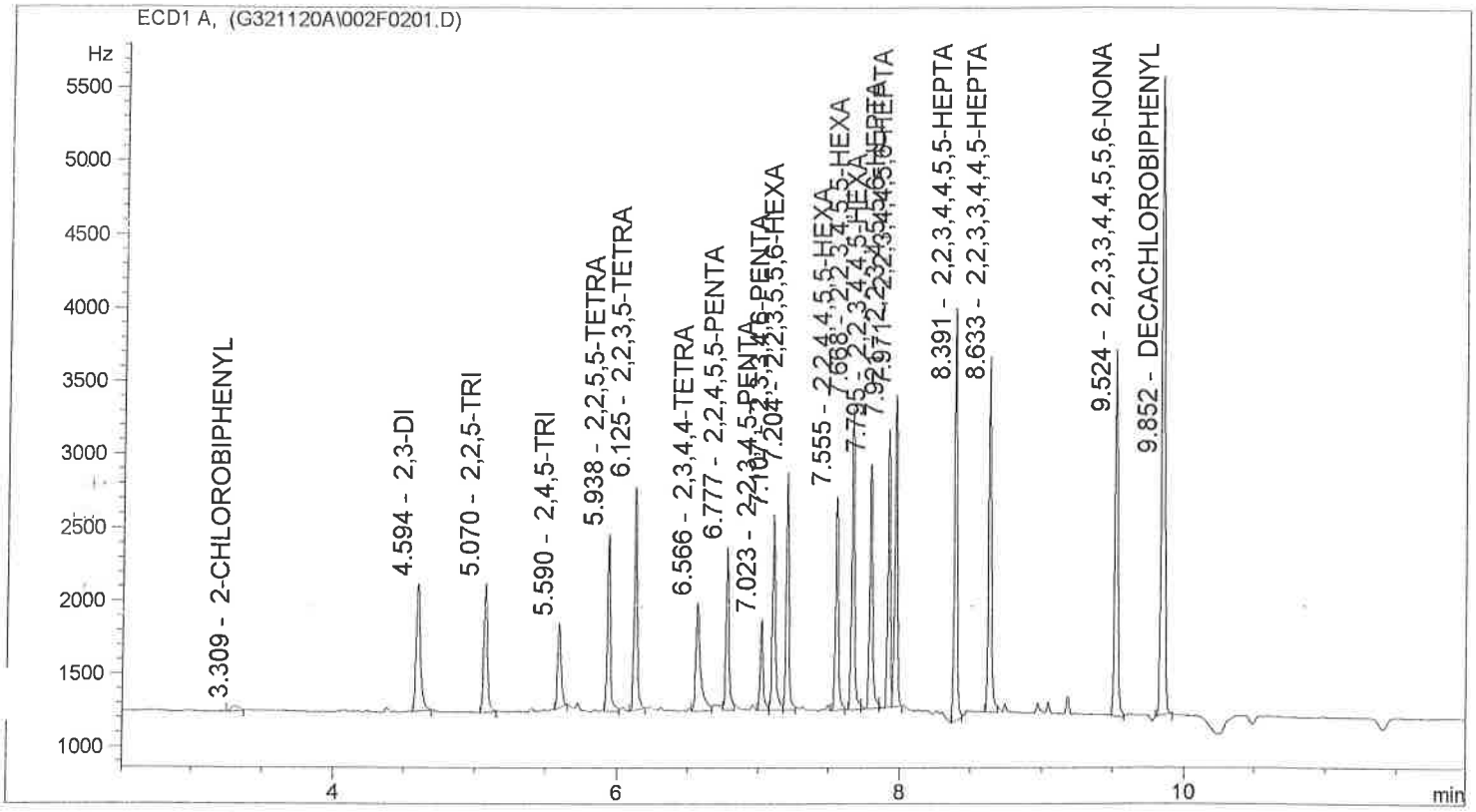
2,2,3,3,4,4,5,5,6-NONA at exp. RT: 9.521
ECD1 A,
Correlation: 0.99989
Residual Std. Dev.: 366.97833
Formula: y = mx + b
m: 1.39262e6
b: 368.75791
x: Amount[ug/ml]
y: Area



DECACHLOROBIPHENYL at exp. RT: 9.850
ECD1 A,
Correlation: 0.99928
Residual Std. Dev.: 1661.57376
Formula: y = mx + b
m: 1.03469e6
b: 1536.21484
x: Amount[ug/ml]
y: Area

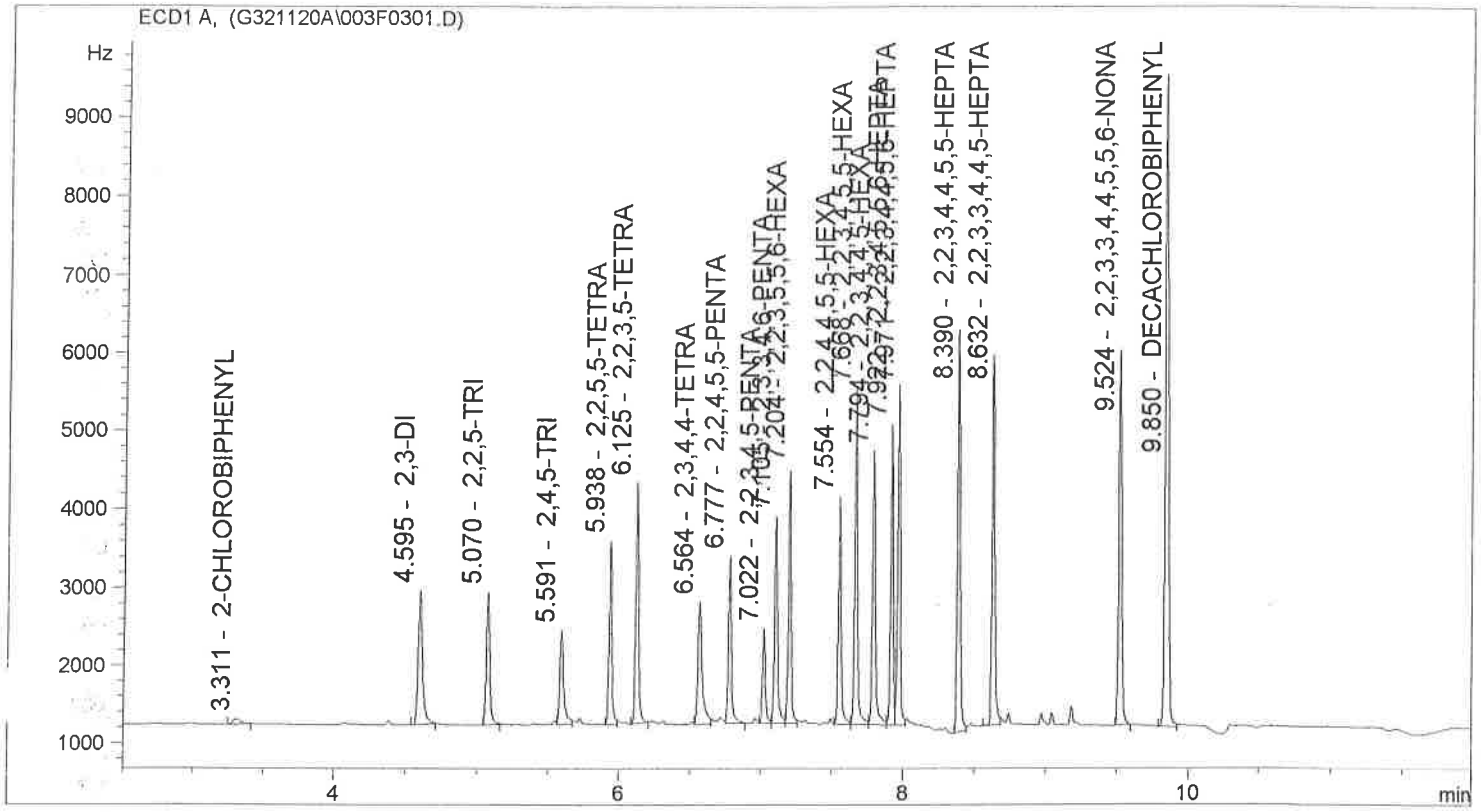
==========

Sample Name : LEVEL 1 Inst. GC #32Could not execute ->
2PCBS-784 0.058 PPM TOTAL PCB ->
Data File : C:\HPCHEM\1\DATA\2018\G321120A\002F0201.D
Injection Date : 11/20/2018 8:08:04 AM Analyst ID. : NK ML AH
Report Created : 11/20/201810:53:20 AM Vial No. : 2
Eq. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/20/201810:53:20 AM Multiplier : 1.0000



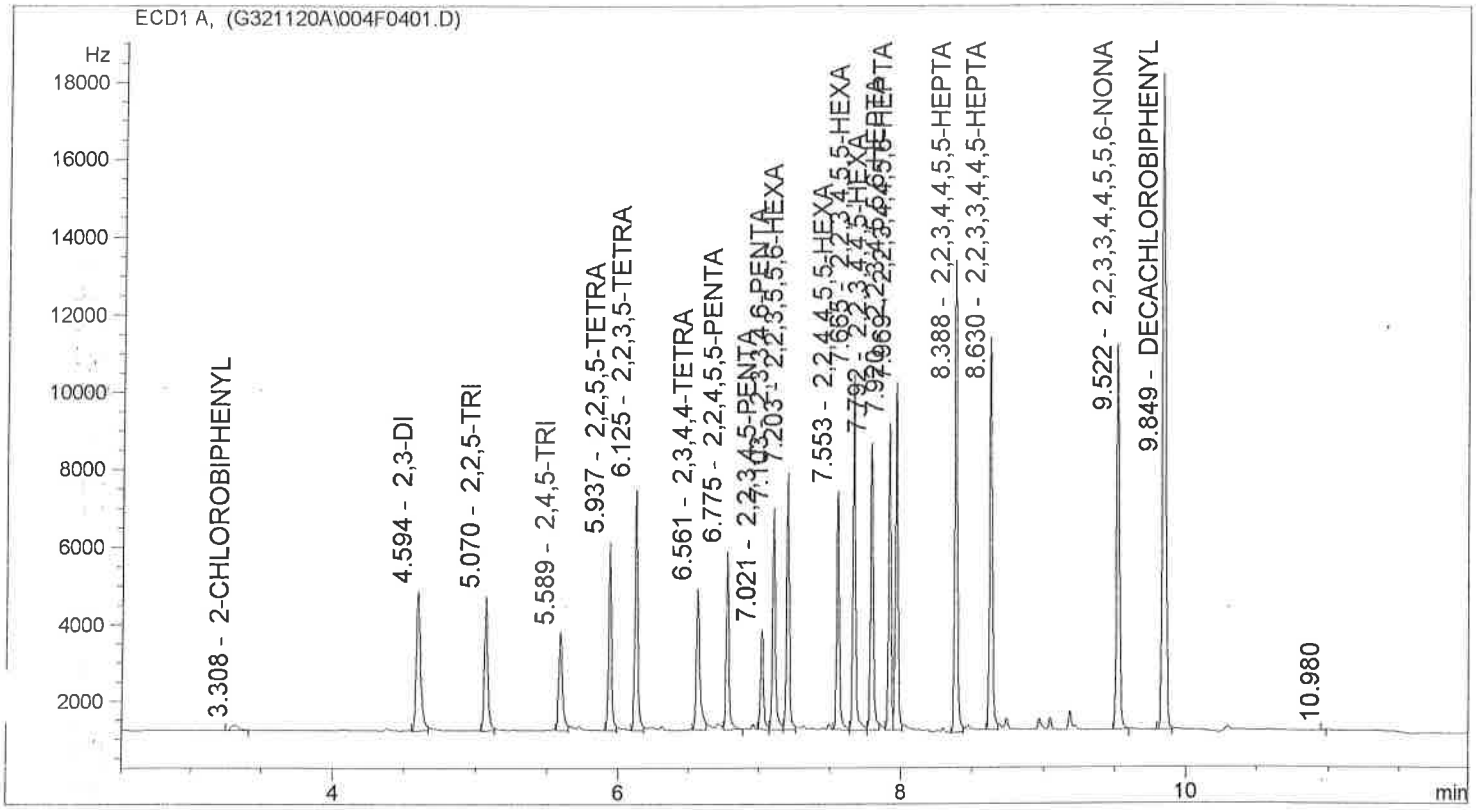
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.309	2-CHLOROBIPHENYL	0.0050	3.309
4.594	2,3-DI	0.0050	4.594
5.070	2,2,5-TRI	0.0050	5.070
5.590	2,4,5-TRI	0.0025	5.590
5.938	2,2,5,5-TETRA	0.0040	5.938
6.125	2,2,3,5-TETRA	0.0040	6.125
6.566	2,3,4,4-TETRA	0.0025	6.566
6.777	2,2,4,5,5-PENTA	0.0025	6.777
7.023	2,2,3,4,5-PENTA	0.0010	7.023
7.107	2,3,3,4,6-PENTA	0.0025	7.107
7.204	2,2,3,5,5,6-HEXA	0.0025	7.204
7.555	2,2,4,4,5,5-HEXA	0.0025	7.555
7.668	2,2,3,4,5,5-HEXA	0.0025	7.668
7.795	2,2,3,4,4,5-HEXA	0.0025	7.795
7.921	2,2,3,4,5,5,6-HEPTA	0.0025	7.921
7.971	2,2,3,4,4,5,6-HEPTA	0.0025	7.971
8.391	2,2,3,4,4,5,5-HEPTA	0.0040	8.391
8.633	2,2,3,3,4,4,5-HEPTA	0.0025	8.633
9.524	2,2,3,3,4,4,5,5,6-NONA	0.0025	9.524
9.852	DECACHLOROBIPHENYL	0.0060	9.852
		0.0640	

Sample Name : LEVEL 2 Inst. GC #32Could not execute ->
2PCBS-785 0.116 PPM TOTAL PCB ->
Data File : C:\HPCHEM\1\DATA\2018\G321120A\003F0301.D
Injection Date : 11/20/2018 8:23:23 AM Analyst ID. : NK ML AH
Report Created : 11/20/201811:11:35 AM Vial No. : 3
Eq. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/20/201811:11:35 AM Multiplier : 1.0000



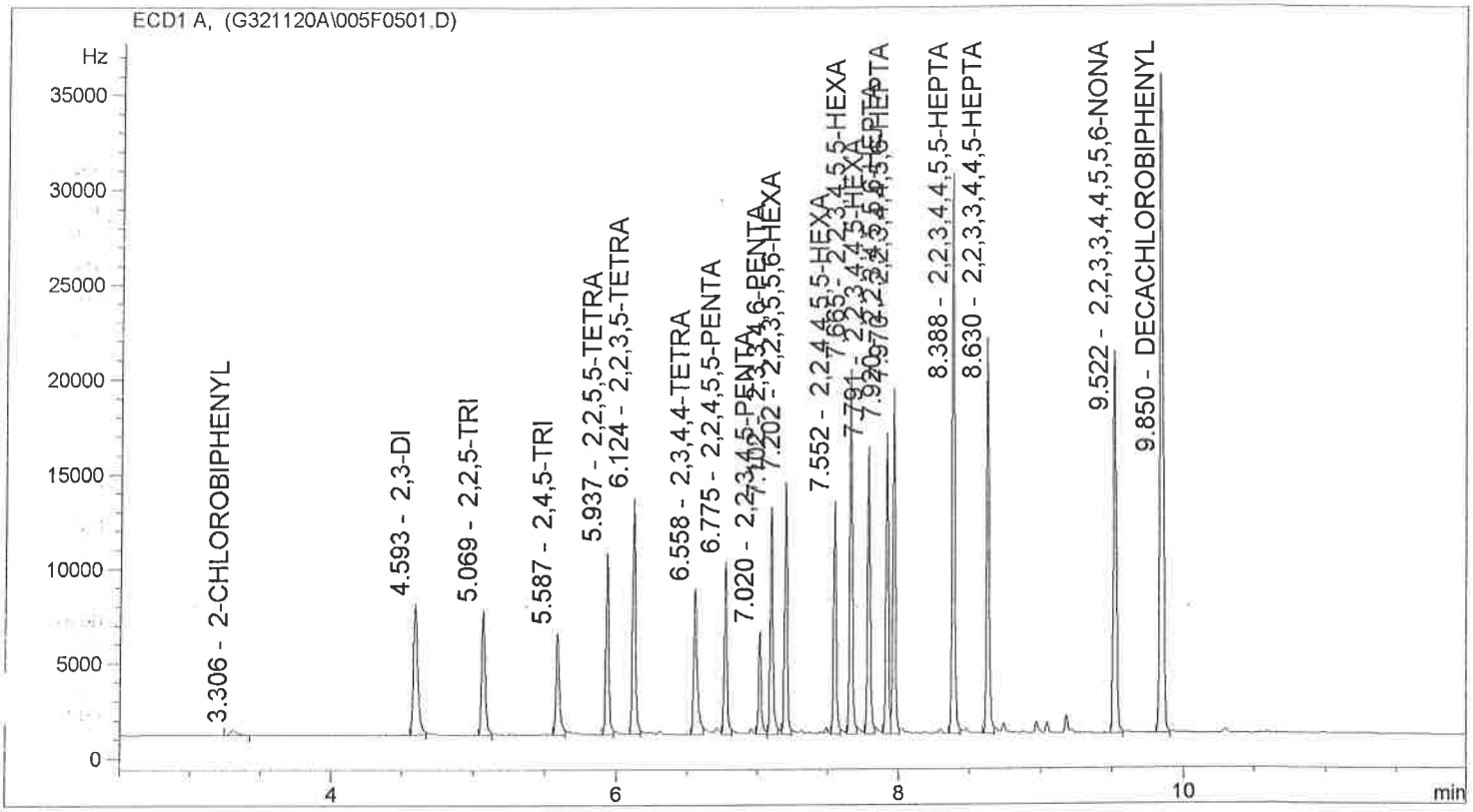
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.311	2-CHLOROBIPHENYL	0.0100	3.311
4.595	2,3-DI	0.0100	4.595
5.070	2,2,5-TRI	0.0100	5.070
5.591	2,4,5-TRI	0.0050	5.591
5.938	2,2,5,5-TETRA	0.0080	5.938
6.125	2,2,3,5-TETRA	0.0080	6.125
6.564	2,3,4,4-TETRA	0.0050	6.564
6.777	2,2,4,5,5-PENTA	0.0050	6.777
7.022	2,2,3,4,5-PENTA	0.0020	7.022
7.105	2,3,3,4,6-PENTA	0.0050	7.105
7.204	2,2,3,5,5,6-HEXA	0.0050	7.204
7.554	2,2,4,4,5,5-HEXA	0.0050	7.554
7.668	2,2,3,4,5,5-HEXA	0.0050	7.668
7.794	2,2,3,4,4,5-HEXA	0.0050	7.794
7.922	2,2,3,4,5,5,6-HEPTA	0.0050	7.922
7.971	2,2,3,4,4,5,6-HEPTA	0.0050	7.971
8.390	2,2,3,4,4,5,5-HEPTA	0.0080	8.390
8.632	2,2,3,3,4,4,5-HEPTA	0.0050	8.632
9.524	2,2,3,3,4,4,5,5,6-NONA	0.0050	9.524
9.850	DECACHLOROBIPHENYL	0.0120	9.850
		0.1280	

Sample Name : LEVEL 3 Inst. GC #32Could not execute ->
2PCBS-786 0.232 PPM TOTAL PCB ->
Data File : C:\HPCHEM\1\DATA\2018\G321120A\004F0401.D
Injection Date : 11/20/2018 8:38:43 AM Analyst ID. : NK ML AH
Report Created : 11/20/201811:29:02 AM Vial No. : 4
Inj. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/20/201811:29:02 AM Multiplier : 1.0000



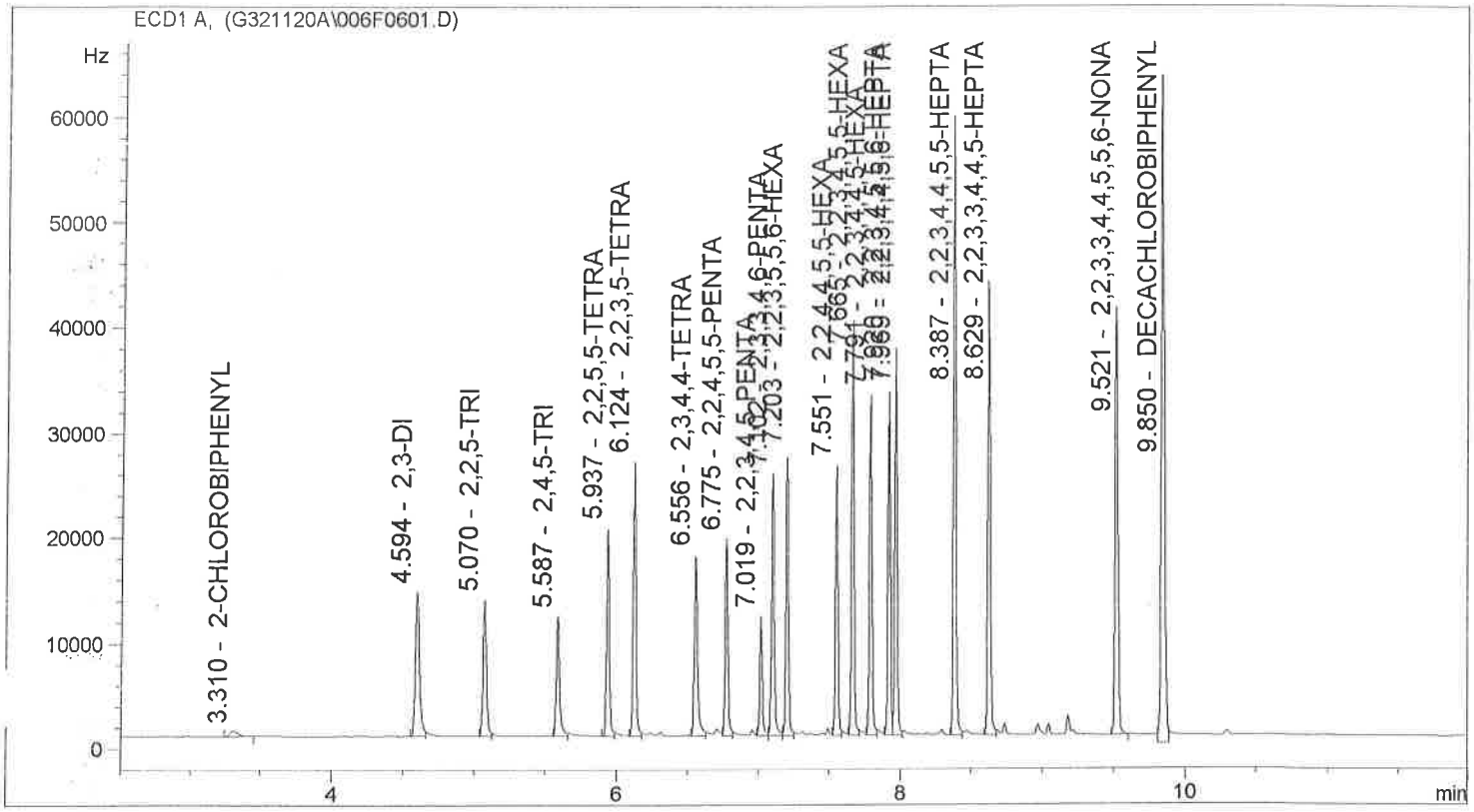
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.308	2-CHLOROBIPHENYL	0.0201	3.308
4.594	2,3-DI	0.0201	4.594
5.070	2,2,5-TRI	0.0201	5.070
5.589	2,4,5-TRI	0.0100	5.589
5.937	2,2,5,5-TETRA	0.0160	5.937
6.125	2,2,3,5-TETRA	0.0160	6.125
6.561	2,3,4,4-TETRA	0.0100	6.561
6.775	2,2,4,5,5-PENTA	0.0100	6.775
7.021	2,2,3,4,5-PENTA	0.0040	7.021
7.103	2,3,3,4,6-PENTA	0.0100	7.103
7.203	2,2,3,5,5,6-HEXA	0.0100	7.203
7.553	2,2,4,4,5,5-HEXA	0.0100	7.553
7.665	2,2,3,4,5,5-HEXA	0.0100	7.665
7.792	2,2,3,4,4,5-HEXA	0.0100	7.792
7.920	2,2,3,4,5,5,6-HEPTA	0.0100	7.920
7.969	2,2,3,4,4,5,6-HEPTA	0.0100	7.969
8.388	2,2,3,4,4,5,5-HEPTA	0.0162	8.388
8.630	2,2,3,3,4,4,5-HEPTA	0.0100	8.630
9.522	2,2,3,3,4,4,5,5,6-NONA	0.0100	9.522
9.849	DECACHLOROBIPHENYL	0.0241	9.849
		0.2567	

Sample Name : LEVEL 4 Inst. GC #32Could not execute ->
2PCBS-787 0.464 PPM TOTAL PCB ->
Data File : C:\HPCHEM\1\DATA\2018\G321120A\005F0501.D
Injection Date : 11/20/2018 8:54:11 AM Analyst ID. : NK ML AH
Report Created : 11/20/201811:39:33 AM Vial No. : 5
Req. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/20/201811:39:33 AM Multiplier : 1.0000



CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.306	2-CHLOROBIPHENYL	0.0402	3.306
4.593	2,3-DI	0.0397	4.593
5.069	2,2,5-TRI	0.0397	5.069
5.587	2,4,5-TRI	0.0199	5.587
5.937	2,2,5,5-TETRA	0.0319	5.937
6.124	2,2,3,5-TETRA	0.0319	6.124
6.558	2,3,4,4-TETRA	0.0199	6.558
6.775	2,2,4,5,5-PENTA	0.0199	6.775
7.020	2,2,3,4,5-PENTA	0.0080	7.020
7.102	2,3,3,4,6-PENTA	0.0199	7.102
7.202	2,2,3,5,5,6-HEXA	0.0200	7.202
7.552	2,2,4,4,5,5-HEXA	0.0199	7.552
7.665	2,2,3,4,5,5-HEXA	0.0199	7.665
7.791	2,2,3,4,4,5-HEXA	0.0199	7.791
7.920	2,2,3,4,5,5,6-HEPTA	0.0200	7.920
7.970	2,2,3,4,4,5,6-HEPTA	0.0200	7.970
8.388	2,2,3,4,4,5,5-HEPTA	0.0325	8.388
8.630	2,2,3,3,4,4,5-HEPTA	0.0200	8.630
9.522	2,2,3,3,4,4,5,5,6-NONA	0.0200	9.522
9.850	DECACHLOROBIPHENYL	0.0480	9.850
		0.5112	

Sample Name : LEVEL 5 Inst. GC #32Could not execute ->
2PCBS-788 0.928 PPM TOTAL PCB ->
Data File : C:\HPCHEM\1\DATA\2018\G321120A\006F0601.D
Injection Date : 11/20/2018 9:09:43 AM Analyst ID. : NK ML AH
Report Created : 11/20/201812:05:19 PM Vial No. : 6
Req. Method : CONF18A.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18A.M Dilution : 1.0000
Method Modified: 11/20/201800:05:12 PM Multiplier : 1.0000



CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.310	2-CHLOROBIPHENYL	0.0799	3.310
4.594	2,3-DI	0.0794	4.594
5.070	2,2,5-TRI	0.0794	5.070
5.587	2,4,5-TRI	0.0400	5.587
5.937	2,2,5,5-TETRA	0.0639	5.937
6.124	2,2,3,5-TETRA	0.0639	6.124
6.556	2,3,4,4-TETRA	0.0401	6.556
6.775	2,2,4,5,5-PENTA	0.0399	6.775
7.019	2,2,3,4,5-PENTA	0.0159	7.019
7.102	2,3,3,4,6-PENTA	0.0401	7.102
7.203	2,2,3,5,5,6-HEXA	0.0400	7.203
7.551	2,2,4,4,5,5-HEXA	0.0400	7.551
7.665	2,2,3,4,5,5-HEXA	0.0401	7.665
7.791	2,2,3,4,4,5-HEXA	0.0400	7.791
7.920	2,2,3,4,5,5,6-HEPTA	0.0400	7.920
7.969	2,2,3,4,4,5,6-HEPTA	0.0400	7.969
8.387	2,2,3,4,4,5,5-HEPTA	0.0635	8.387
8.629	2,2,3,3,4,4,5-HEPTA	0.0400	8.629
9.521	2,2,3,3,4,4,5,5,6-NONA	0.0398	9.521
9.850	DECACHLOROBIPHENYL	0.0949	9.850
		1.0209	

Method Information

SOP 9213 FOR PCB ANALYSIS FOR 30 METER COLUMN .32mm ID .25um FILM WITH A 12 MINUTE RUN TIME AND 1.0 MICROLITER INJECTION SPLITLESS 1 MINUTE PURGE ON

Method Change History

Operator	Date	Change Information
NK ML AH	11/28/2018 12:38:51 PM	NEW METHOD 10%120

Run Time Checklist

Pre-Run Cmd/Macro:	off
Data Acquisition:	on
Standard Data Analysis:	on
Customized Data Analysis:	off
Save GLP Data:	off
Post-Run Cmd/Macro:	off
Save Method with Data:	skipped - no ACQ running

Injection Source and Location

Injection Source: HP GC Injector

Injection Location: Dual

HP6890 GC METHOD

OVEN

Initial temp: 130 'C (On)
Initial time: 2.00 min
Ramps:

#	Rate	Final temp	Final time
1	20.00	270	3.00
2	0.0(Off)		

Post temp: 0 'C
Post time: 0.00 min
Run time: 12.00 min

Maximum temp: 350 'C
Equilibration time: 0.00 min

FRONT INLET (SPLIT/SPLITLESS)

Mode: Splitless
Initial temp: 280 'C (On)
Pressure: 12.98 psi (On)
Purge flow: 50.0 mL/min
Purge time: 1.00 min
Total flow: 59.6 mL/min
Gas saver: On
Saver flow: 20.0 mL/min
Saver time: 1.00 min
Gas type: Hydrogen

BACK INLET (SPLIT/SPLITLESS)

Mode: Splitless
Initial temp: 280 'C (On)
Pressure: 11.84 psi (On)
Purge flow: 50.0 mL/min
Purge time: 1.00 min
Total flow: 60.5 mL/min
Gas saver: On
Saver flow: 20.0 mL/min
Saver time: 1.00 min
Gas type: Hydrogen

COLUMN 1

Capillary Column
Model Number: Zebron ZB-5MS
5% Methyl Silicate
Max temperature: 350 'C
Nominal length: 30.0 m
Nominal diameter: 320.00 um
Nominal film thickness: 0.25 um
Mode: constant flow
Initial flow: 4.5 mL/min
Nominal init pressure: 12.98 psi
Average velocity: 85 cm/sec
Inlet: Front Inlet
Outlet: Front Detector
Outlet pressure: ambient

COLUMN 2

Capillary Column
Model Number: Zebron ZB-5MS
5% Methyl Silicate
Max temperature: 350 'C
Nominal length: 30.0 m
Nominal diameter: 320.00 um
Nominal film thickness: 0.25 um
Mode: constant flow
Initial flow: 4.0 mL/min
Nominal init pressure: 11.84 psi
Average velocity: 78 cm/sec
Inlet: Back Inlet
Outlet: Back Detector
Outlet pressure: ambient

FRONT DETECTOR (μECD)

Temperature: 350 'C (On)
Mode: Constant column+makeup flow
Combined flow: 65.0 mL/min
Makeup flow: On
Makeup Gas Type: Nitrogen
Electrometer: On

BACK DETECTOR (μECD)

Temperature: 350 'C (On)
Mode: Constant column+makeup flow
Combined flow: 65.0 mL/min
Makeup flow: On
Makeup Gas Type: Nitrogen
Electrometer: On

SIGNAL 1

Data rate: 5 Hz
Type: front det - col comp 1
Save Data: On
Start Save Time: 1.50 min

SIGNAL 2

Data rate: 5 Hz
Type: back det - col comp 2
Save Data: On
Start Save Time: 1.50 min

Stop Save Time: 12.00 min
Zero: 50.0 (On)
Range: 0
Fast Peaks: Off
Attenuation: 0

Stop Save Time: 12.00 min
Zero: 50.0 (On)
Range: 0
Fast Peaks: Off
Attenuation: 0

COLUMN COMP 1
Derive from front detector

COLUMN COMP 2
Derive from back detector

POST RUN
Post Time: 0.00 min

TIME TABLE

Time	Specifier	Parameter & Setpoint

7673 Injector

Front Injector:

Sample Washes	3
Sample Pumps	3
Injection Volume	1.0 microliters
Syringe Size	5.0 microliters
Nanoliter Adapter	Off
PostInj Solvent A Washes	5
PostInj Solvent B Washes	5
Viscosity Delay	0 seconds
Plunger Speed	Fast
PreInjection Dwell	0.00 minutes
PostInjection Dwell	0.00 minutes

Back Injector:

Sample Washes	3
Sample Pumps	3
Injection Volume	1.0 microliters
Syringe Size	5.0 microliters
Nanoliter Adapter	Off
PostInj Solvent A Washes	5
PostInj Solvent B Washes	5
Viscosity Delay	0 seconds
Plunger Speed	Fast
PreInjection Dwell	0.00 minutes
PostInjection Dwell	0.00 minutes

Integration Events

.esults will be produced with the enhanced integrator.

Default Integration Event Table "Event"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_TCD"

Event	Value	Time
Initial Slope Sensitivity	100.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ADC"

Event	Value	Time
Initial Slope Sensitivity	20.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FID"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_NPD"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_FPD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.000	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_uECD"

Event	Value	Time
Initial Slope Sensitivity	1.000	Initial
Initial Peak Width	0.040	Initial
Initial Area Reject	1.000	Initial
Initial Height Reject	1.700	Initial
Initial Shoulders	OFF	Initial

Detector Default Integration Event Table "Event_ECD"

Event	Value	Time
Initial Slope Sensitivity	50.000	Initial
Initial Peak Width	0.010	Initial
Initial Area Reject	200.000	Initial
Initial Height Reject	100.000	Initial
Initial Shoulders	DROP	Initial
Integration OFF		0.000
Integration ON		1.500
Slope Sensitivity	500.000	3.380
Slope Sensitivity	0.000	5.331
Baseline Now		5.332
Tail Tangent Skim OFF		10.000

Signal Specific Integration Event Table "Event_ECD1A"

Event	Value	Time
Initial Slope Sensitivity	500.000	Initial
Initial Peak Width	0.026	Initial
Initial Area Reject	16.268	Initial
Initial Height Reject	5.168	Initial
Initial Shoulders	DROP	Initial
Integration ON		0.000

Apply Manual Integration Events: No

==========

Calibration Table

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OP 9202 TIER I ANALYSIS

Calib. Data Modified : Wednesday, November 28, 2018 12:36:34 PM

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 1.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 1.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : compound name not specified
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear
Origin : Ignored
Weight : Equal

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Floating Average New 75%

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: ECD1 A,

RetTime [min]	Sig	Lvl	Amount [ug/ml]	Area	Amt/Area	Ref	Grp	Name
3.318	1	1	5.00000e-3	101.10966	4.94513e-5			2-CHLOROBIPHENYL
		2	1.00000e-2	259.24149	3.85741e-5			
		3	2.00000e-2	524.93158	3.81002e-5			
		4	4.00000e-2	1082.24353	3.69603e-5			
		5	8.00000e-2	2178.58350	3.67211e-5			
4.599	1	1	5.00000e-3	1874.34766	2.66759e-6			2,3-DI
		2	1.00000e-2	3440.30566	2.90672e-6			
		3	2.00000e-2	6371.10742	3.13917e-6			
		4	4.00000e-2	1.23718e4	3.23316e-6			
		5	8.00000e-2	2.41947e4	3.30651e-6			
5.076	1	1	5.00000e-3	1560.55017	3.20400e-6			2,2,5-TRI
		2	1.00000e-2	2591.68823	3.85849e-6			
		3	2.00000e-2	4553.09375	4.39262e-6			
		4	4.00000e-2	8560.13086	4.67283e-6			
		5	8.00000e-2	1.63428e4	4.89512e-6			
5.589	1	1	2.50000e-3	964.27203	2.59263e-6			2,4,5-TRI
		2	5.00000e-3	1829.58423	2.73286e-6			
		3	1.00000e-2	3365.96069	2.97092e-6			
		4	2.00000e-2	6517.30615	3.06875e-6			
		5	4.00000e-2	1.27041e4	3.14859e-6			

Method C:\HPCHEM\1\METHODS\CONF18C.M

RetTime [min]	Sig	Lvl	Amount [ug/ml]	Area	Amt/Area	Ref	Grp	Name
5.942	1	1	4.00000e-3	1340.79565	2.98330e-6			2,2,5,5-TETRA
		2	8.00000e-3	2392.61768	3.34362e-6			
		3	1.60000e-2	4309.60937	3.71263e-6			
		4	3.20000e-2	8233.91016	3.88637e-6			
		5	6.40000e-2	1.59431e4	4.01429e-6			
6.128	1	1	4.00000e-3	2331.28735	1.71579e-6			2,2,3,5-TETRA
		2	8.00000e-3	3077.38159	2.59961e-6			
		3	1.60000e-2	5595.22559	2.85958e-6			
		4	3.20000e-2	1.07740e4	2.97011e-6			
		5	6.40000e-2	2.10759e4	3.03665e-6			
6.555	1	1	2.50000e-3	1252.00781	1.99679e-6			2,3,4,4-TETRA
		2	5.00000e-3	2305.68628	2.16855e-6			
		3	1.00000e-2	4330.93018	2.30897e-6			
		4	2.00000e-2	8297.51660	2.41036e-6			
		5	4.00000e-2	1.61290e4	2.48000e-6			
6.780	1	1	2.50000e-3	1089.90845	2.29377e-6			2,2,4,5,5-PENTA
		2	5.00000e-3	1938.71301	2.57903e-6			
		3	1.00000e-2	3628.99268	2.75559e-6			
		4	2.00000e-2	6850.47070	2.91951e-6			
		5	4.00000e-2	1.31632e4	3.03876e-6			
7.024	1	1	1.00000e-3	651.42078	1.53511e-6			2,2,3,4,5-PENTA
		2	2.00000e-3	1126.97900	1.77466e-6			
		3	4.00000e-3	2111.81934	1.89410e-6			
		4	8.00000e-3	3956.51489	2.02198e-6			
		5	1.60000e-2	7578.67578	2.11119e-6			
7.107	1	1	2.50000e-3	1622.63049	1.54071e-6			2,3,3,4,6-PENTA
		2	5.00000e-3	2681.88818	1.86436e-6			
		3	1.00000e-2	4712.55615	2.12199e-6			
		4	2.00000e-2	9060.89551	2.20729e-6			
		5	4.00000e-2	1.76791e4	2.26256e-6			
7.211	1	1	2.50000e-3	1352.17749	1.84887e-6			2,2,3,5,5,6-HEXA
		2	5.00000e-3	2445.42944	2.04463e-6			
		3	1.00000e-2	4526.02588	2.20944e-6			
		4	2.00000e-2	8729.47168	2.29109e-6			
		5	4.00000e-2	1.70365e4	2.34789e-6			
7.565	1	1	2.50000e-3	1205.74731	2.07340e-6			2,2,4,4,5,5-HEXA
		2	5.00000e-3	2234.71533	2.23742e-6			
		3	1.00000e-2	4255.82471	2.34972e-6			
		4	2.00000e-2	8268.75977	2.41874e-6			
		5	4.00000e-2	1.61994e4	2.46922e-6			
7.679	1	1	2.50000e-3	2002.99414	1.24813e-6			2,2,3,4,5,5-HEXA
		2	5.00000e-3	3386.80640	1.47632e-6			
		3	1.00000e-2	6227.38379	1.60581e-6			
		4	2.00000e-2	1.21190e4	1.65029e-6			
		5	4.00000e-2	2.42318e4	1.65072e-6			
7.807	1	1	2.50000e-3	1511.58130	1.65390e-6			2,2,3,4,4,5-HEXA
		2	5.00000e-3	2952.25464	1.69362e-6			
		3	1.00000e-2	5346.17529	1.87050e-6			
		4	2.00000e-2	1.02038e4	1.96005e-6			
		5	4.00000e-2	1.98209e4	2.01807e-6			
7.943	1	1	2.50000e-3	1472.47839	1.69782e-6			2,2,3,4,5,5,6-HEPTA
		2	5.00000e-3	2714.14600	1.84220e-6			
		3	1.00000e-2	5073.05029	1.97120e-6			
		4	2.00000e-2	9738.74609	2.05365e-6			
		5	4.00000e-2	1.91300e4	2.09096e-6			
7.994	1	1	2.50000e-3	1417.81030	1.76328e-6			2,2,3,4,4,5,6-HEPTA

Method C:\HPCHEM\1\METHODS\CONF18C.M

RetTime [min]	Sig	Lvl	Amount [ug/ml]	Area	Amt/Area	Ref	Grp	Name
		2	5.00000e-3	2858.97461	1.74888e-6			
		3	1.00000e-2	5514.56006	1.81338e-6			
		4	2.00000e-2	1.08619e4	1.84130e-6			
		5	4.00000e-2	2.16099e4	1.85100e-6			
8.431	1	1	4.00000e-3	2827.25049	1.41480e-6			2,2,3,4,4,5,5-HEPTA
		2	8.00000e-3	5201.72900	1.53795e-6			
		3	1.60000e-2	9811.57129	1.63073e-6			
		4	3.20000e-2	1.93628e4	1.65265e-6			
		5	6.40000e-2	3.90127e4	1.64049e-6			
8.677	1	1	2.50000e-3	1933.61389	1.29292e-6			2,2,3,3,4,4,5-HEPTA
		2	5.00000e-3	3528.54639	1.41701e-6			
		3	1.00000e-2	6393.75000	1.56403e-6			
		4	2.00000e-2	1.25238e4	1.59696e-6			
		5	4.00000e-2	2.49951e4	1.60032e-6			
9.634	1	1	2.50000e-3	2114.78052	1.18216e-6			2,2,3,3,4,4,5,5,6-NONA
		2	5.00000e-3	4088.95581	1.22281e-6			
		3	1.00000e-2	7697.41797	1.29914e-6			
		4	2.00000e-2	1.48999e4	1.34229e-6			
		5	4.00000e-2	2.91291e4	1.37320e-6			
9.973	1	1	6.00000e-3	3940.63257	1.52260e-6			DECACHLOROBIPHENYL
		2	1.20000e-2	7517.47266	1.59628e-6			
		3	2.40000e-2	1.42575e4	1.68333e-6			
		4	4.80000e-2	2.75563e4	1.74189e-6			
		5	9.60000e-2	5.47593e4	1.75313e-6			

1 Warnings or Errors :

Warning : Overlapping peak time windows at 7.943 min, signal 1

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Peak Sum Table

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No Entries in table

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Calibration Curves

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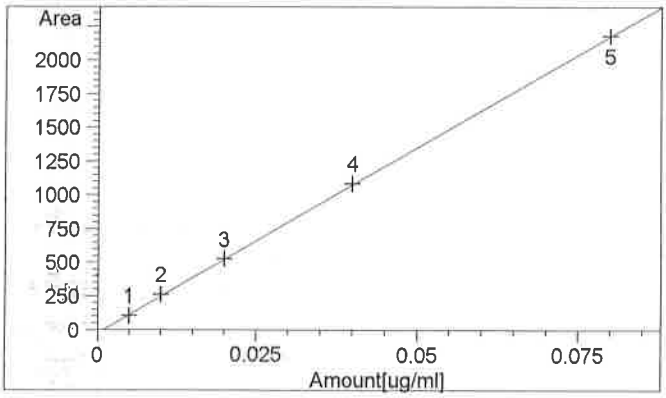
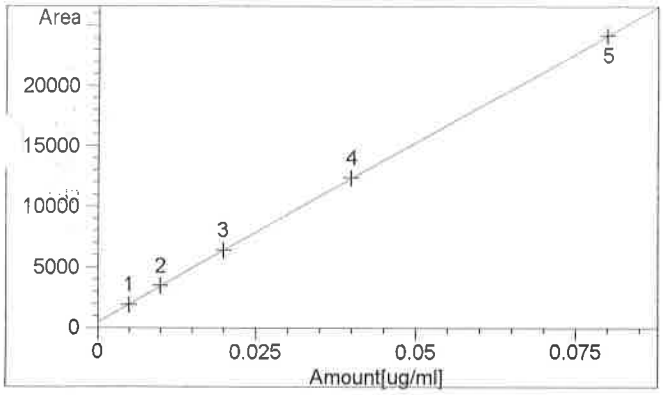
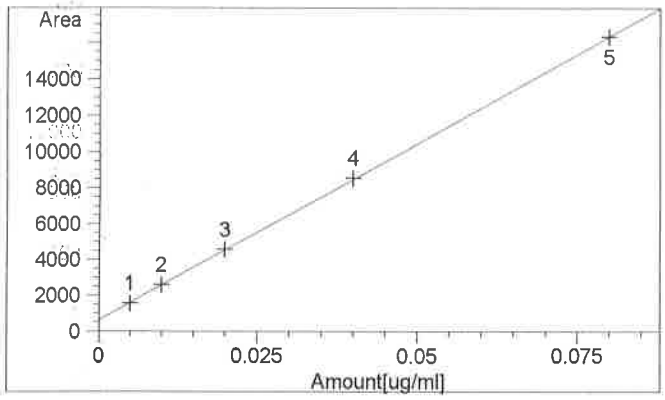


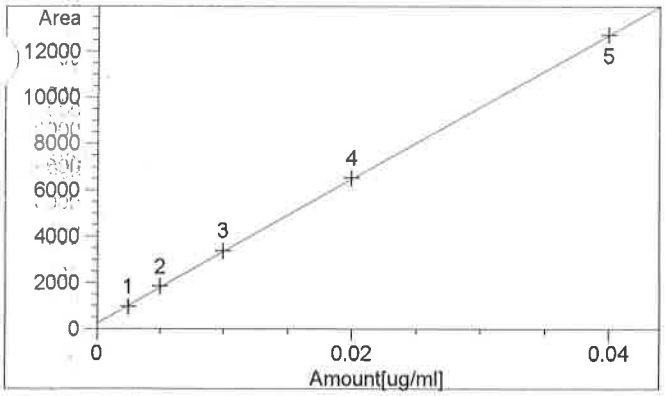
2-CHLOROBIPHENYL at exp. RT: 3.318
ECD1 A,
Correlation: 0.99996
Residual Std. Dev.: 8.82978
Formula: y = mx + b
m: 27592.36915
b: -26.14149
x: Amount[ug/ml]
y: Area



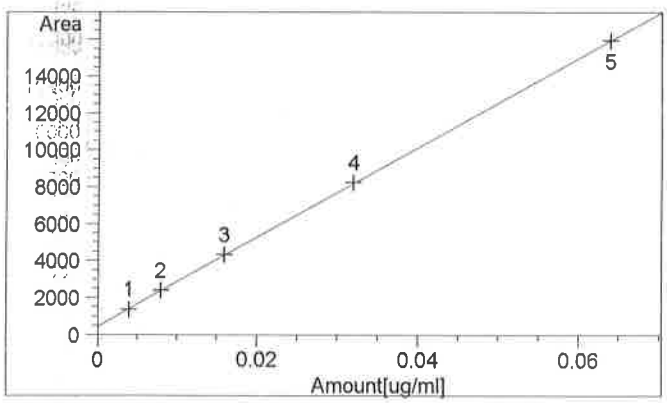
2,3-DI at exp. RT: 4.599
ECD1 A,
Correlation: 0.99999
Residual Std. Dev.: 44.55328
Formula: y = mx + b
m: 297264.67364
b: 435.24707
x: Amount[ug/ml]
y: Area



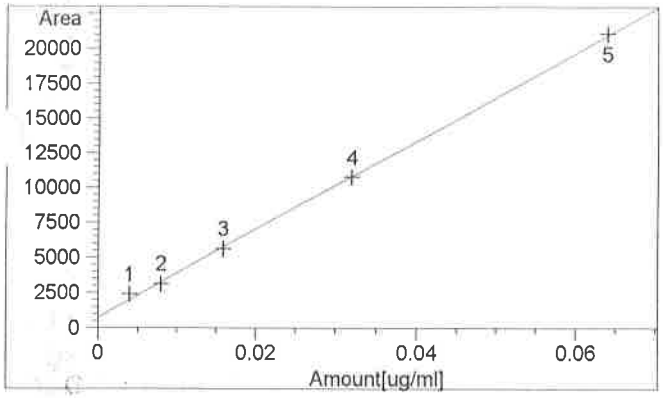
2,2,5-TRI at exp. RT: 5.076
ECD1 A,
Correlation: 0.99998
Residual Std. Dev.: 47.89110
Formula: y = mx + b
m: 196977.10184
b: 615.36338
x: Amount[ug/ml]
y: Area



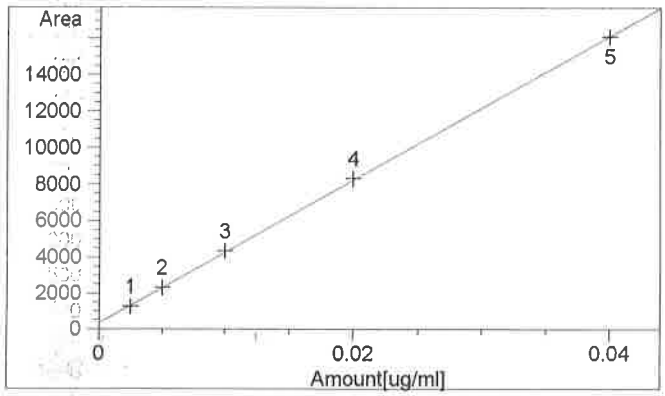
2,4,5-TRI at exp. RT: 5.589
ECD1 A,
Correlation: 0.99997
Residual Std. Dev.: 43.33346
Formula: y = mx + b
m: 312171.33284
b: 237.58869
x: Amount[ug/ml]
y: Area



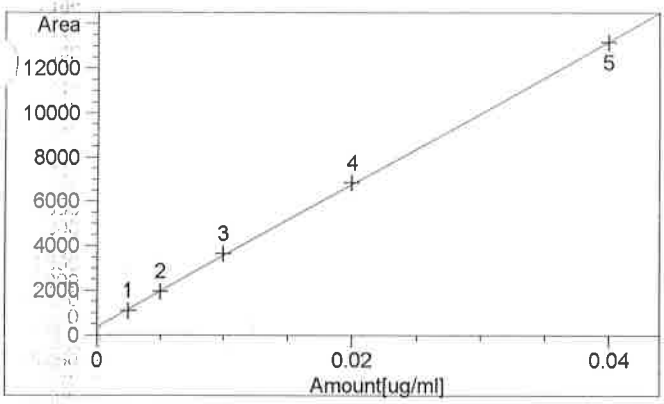
2,2,5,5-TETRA at exp. RT: 5.942
ECD1 A,
Correlation: 0.99998
Residual Std. Dev.: 43.41230
Formula: y = mx + b
m: 242877.52344
b: 420.63493
x: Amount[ug/ml]
y: Area



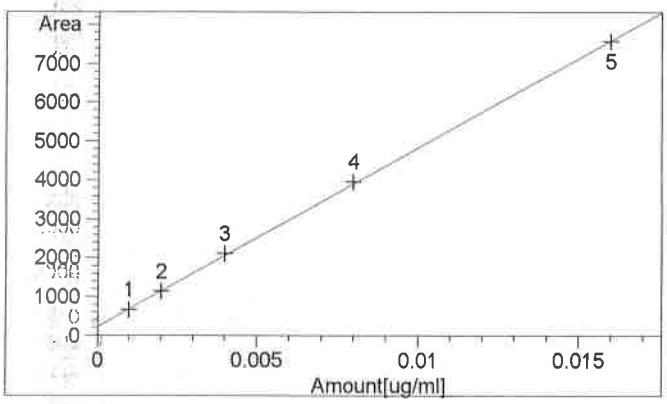
2,2,3,5-TETRA at exp. RT: 6.128
ECD1 A,
Correlation: 0.99958
Residual Std. Dev.: 258.53371
Formula: y = mx + b
m: 316833.80283
b: 713.27638
x: Amount[ug/ml]
y: Area



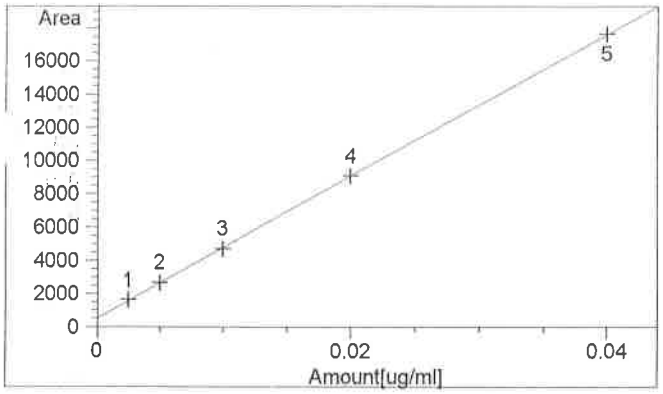
2,3,4,4-TETRA at exp. RT: 6.555
ECD1 A,
Correlation: 0.99997
Residual Std. Dev.: 58.08997
Formula: y = mx + b
m: 395907.14033
b: 326.46945
x: Amount[ug/ml]
y: Area



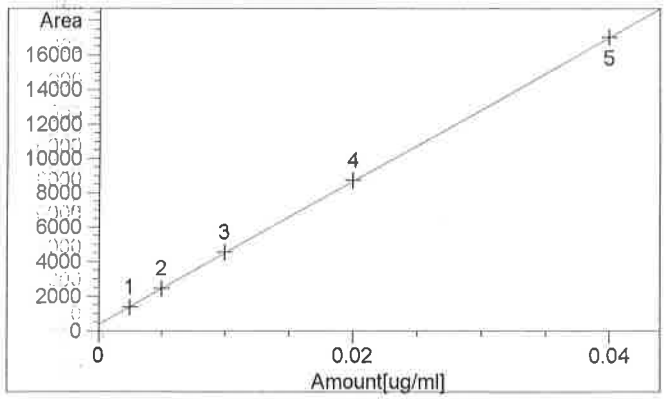
2,2,4,5,5-PENTA at exp. RT: 6.780
ECD1 A,
Correlation: 0.99992
Residual Std. Dev.: 72.21616
Formula: y = mx + b
m: 321335.34126
b: 353.56820
x: Amount[ug/ml]
y: Area



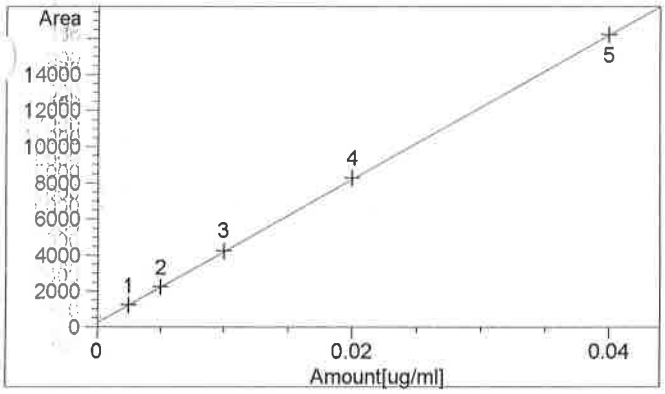
2,2,3,4,5-PENTA at exp. RT: 7.024
ECD1 A,
Correlation: 0.99991
Residual Std. Dev.: 43.96407
Formula: y = mx + b
m: 461196.55289
b: 225.66333
x: Amount[ug/ml]
y: Area



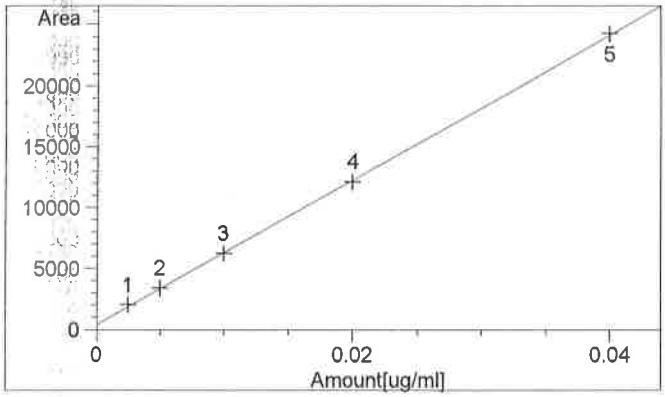
2,3,3,4,6-PENTA at exp. RT: 7.107
ECD1 A,
Correlation: 0.99997
Residual Std. Dev.: 59.23175
Formula: y = mx + b
m: 428751.39068
b: 505.76665
x: Amount[ug/ml]
y: Area



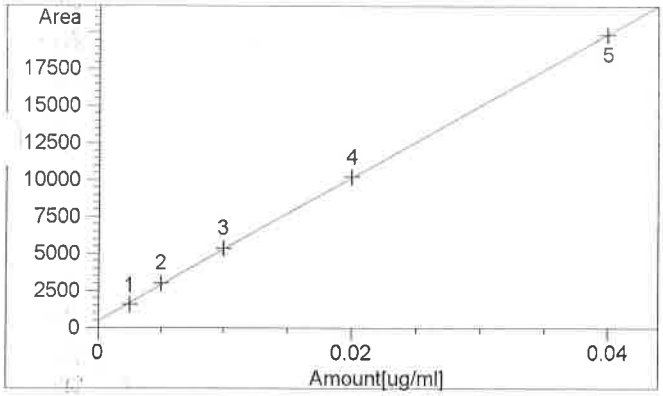
2,2,3,5,5,6-HEXA at exp. RT: 7.211
ECD1 A,
Correlation: 0.99999
Residual Std. Dev.: 30.09422
Formula: y = mx + b
m: 417773.72272
b: 342.43757
x: Amount[ug/ml]
y: Area



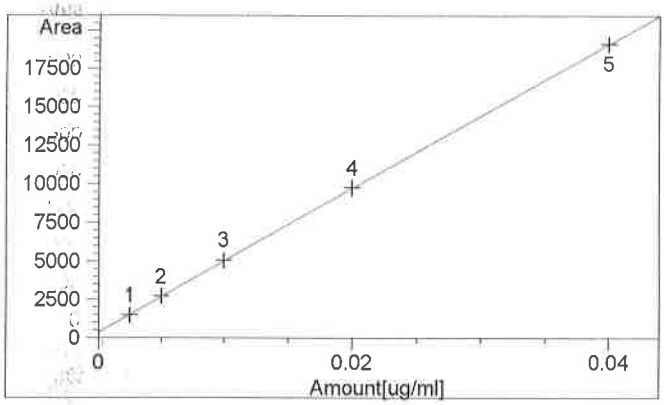
2,2,4,4,5,5-HEXA at exp. RT: 7.565
ECD1 A,
Correlation: 0.99999
Residual Std. Dev.: 33.92701
Formula: y = mx + b
m: 399515.63786
b: 240.40590
x: Amount[ug/ml]
y: Area



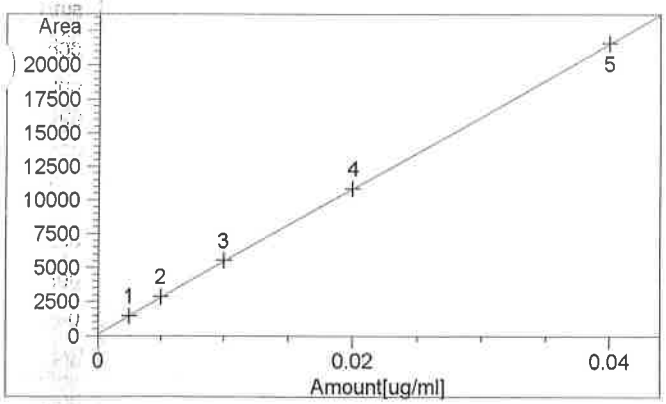
2,2,3,4,5,5-HEXA at exp. RT: 7.679
ECD1 A,
Correlation: 0.99991
Residual Std. Dev.: 137.89633
Formula: y = mx + b
m: 593939.40863
b: 387.54459
x: Amount[ug/ml]
y: Area



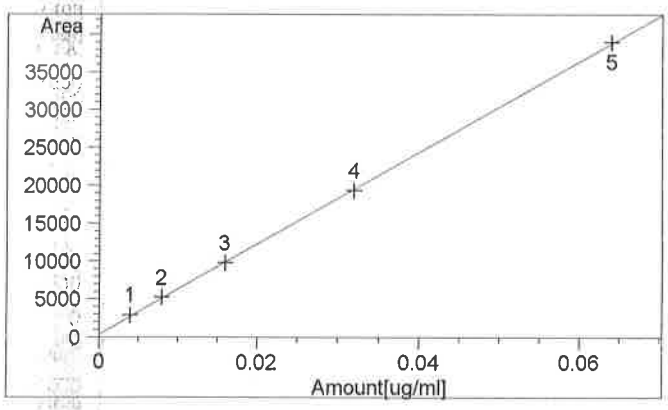
2,2,3,4,4,5-HEXA at exp. RT: 7.807
ECD1 A,
Correlation: 0.99992
Residual Std. Dev.: 107.11940
Formula: y = mx + b
m: 485457.77850
b: 442.34691
x: Amount[ug/ml]
y: Area



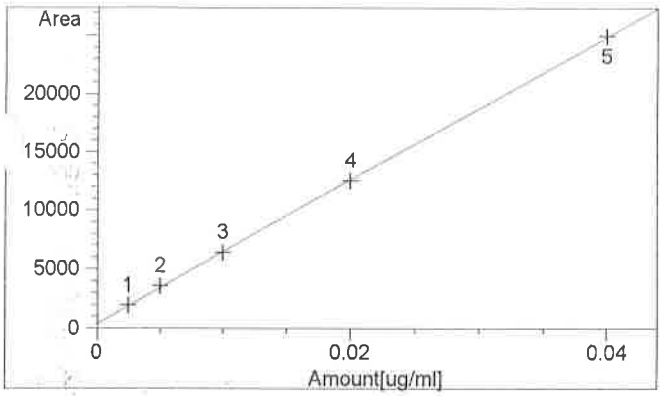
2,2,3,4,5,5,6-HEPTA at exp. RT: 7.943
ECD1 A,
Correlation: 0.99999
Residual Std. Dev.: 34.46517
Formula: y = mx + b
m: 469856.90800
b: 342.90286
x: Amount[ug/ml]
y: Area



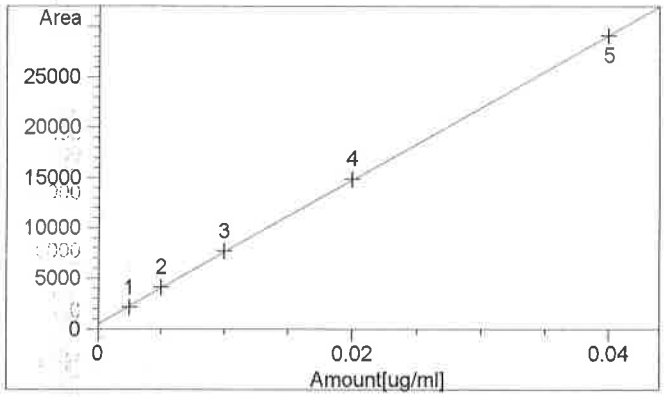
2,2,3,4,4,5,6-HEPTA at exp. RT: 7.994
ECD1 A,
Correlation: 0.99999
Residual Std. Dev.: 41.55273
Formula: y = mx + b
m: 537140.82241
b: 126.95500
x: Amount[ug/ml]
y: Area



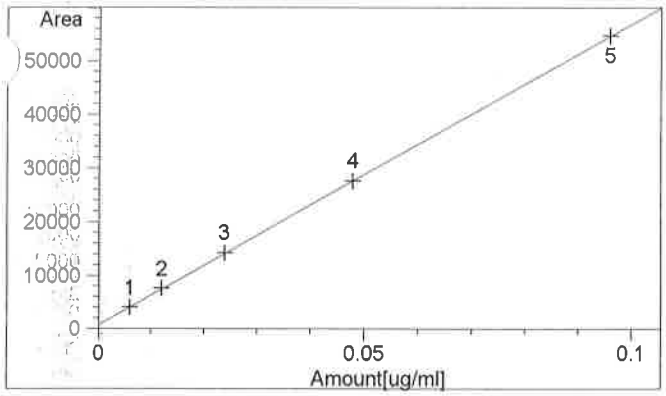
2,2,3,4,4,5,5-HEPTA at exp. RT: 8.431
ECD1 A,
Correlation: 0.99994
Residual Std. Dev.: 188.07085
Formula: y = mx + b
m: 603230.62478
b: 283.09222
x: Amount[ug/ml]
y: Area



2,2,3,3,4,4,5-HEPTA at exp. RT: 8.677
ECD1 A,
Correlation: 0.99994
Residual Std. Dev.: 117.57363
Formula: y = mx + b
m: 614391.22472
b: 351.88760
x: Amount[ug/ml]
y: Area



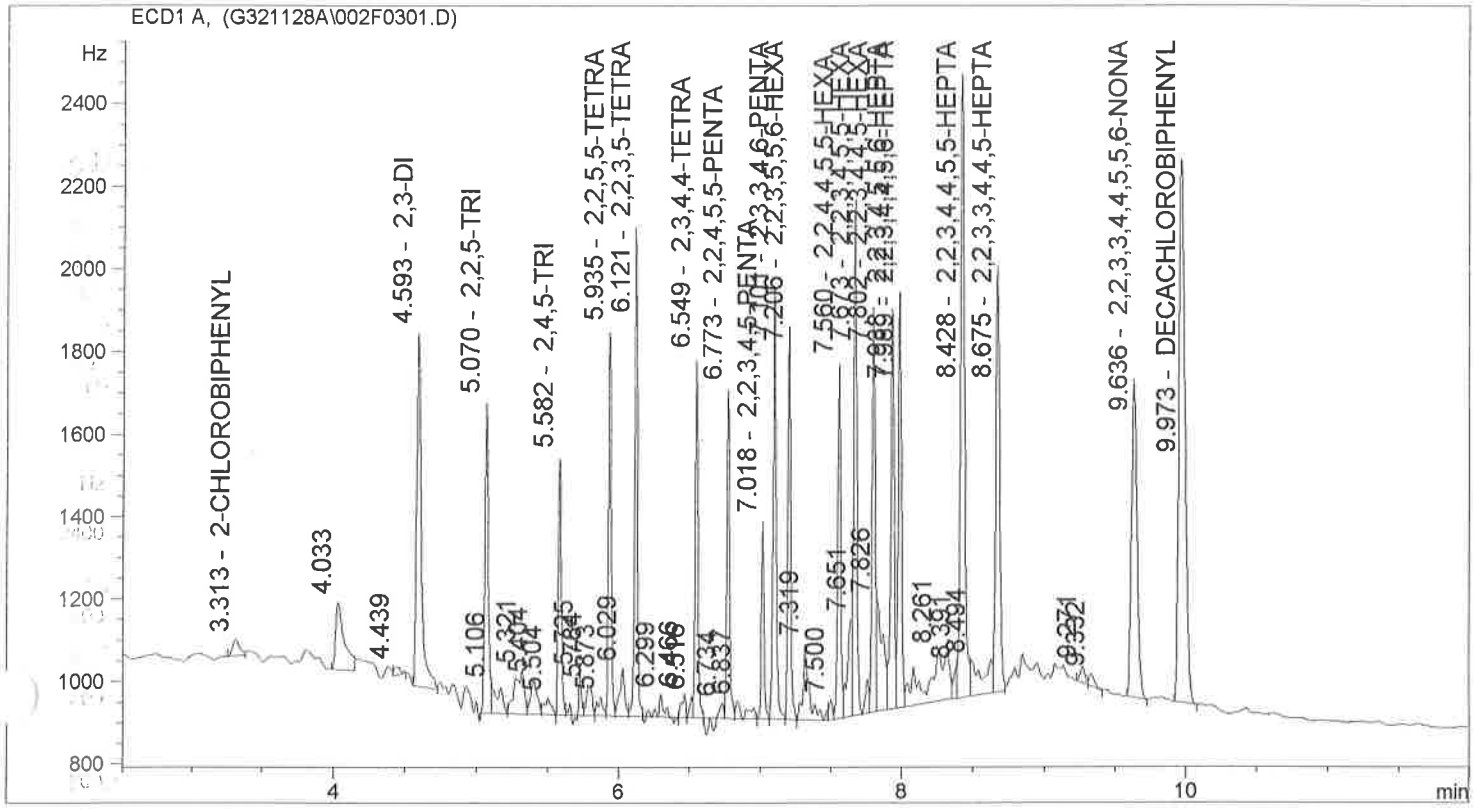
2,2,3,3,4,4,5,5,6-NONA at exp. RT: 9.634
ECD1 A,
Correlation: 0.99997
Residual Std. Dev.: 105.45897
Formula: y = mx + b
m: 718226.58179
b: 453.52646
x: Amount[ug/ml]
y: Area



DECACHLOROBIPHENYL at exp. RT: 9.973
ECD1 A,
Correlation: 0.99999
Residual Std. Dev.: 123.56762
Formula: y = mx + b
m: 563184.87735
b: 655.75083
x: Amount[ug/ml]
y: Area

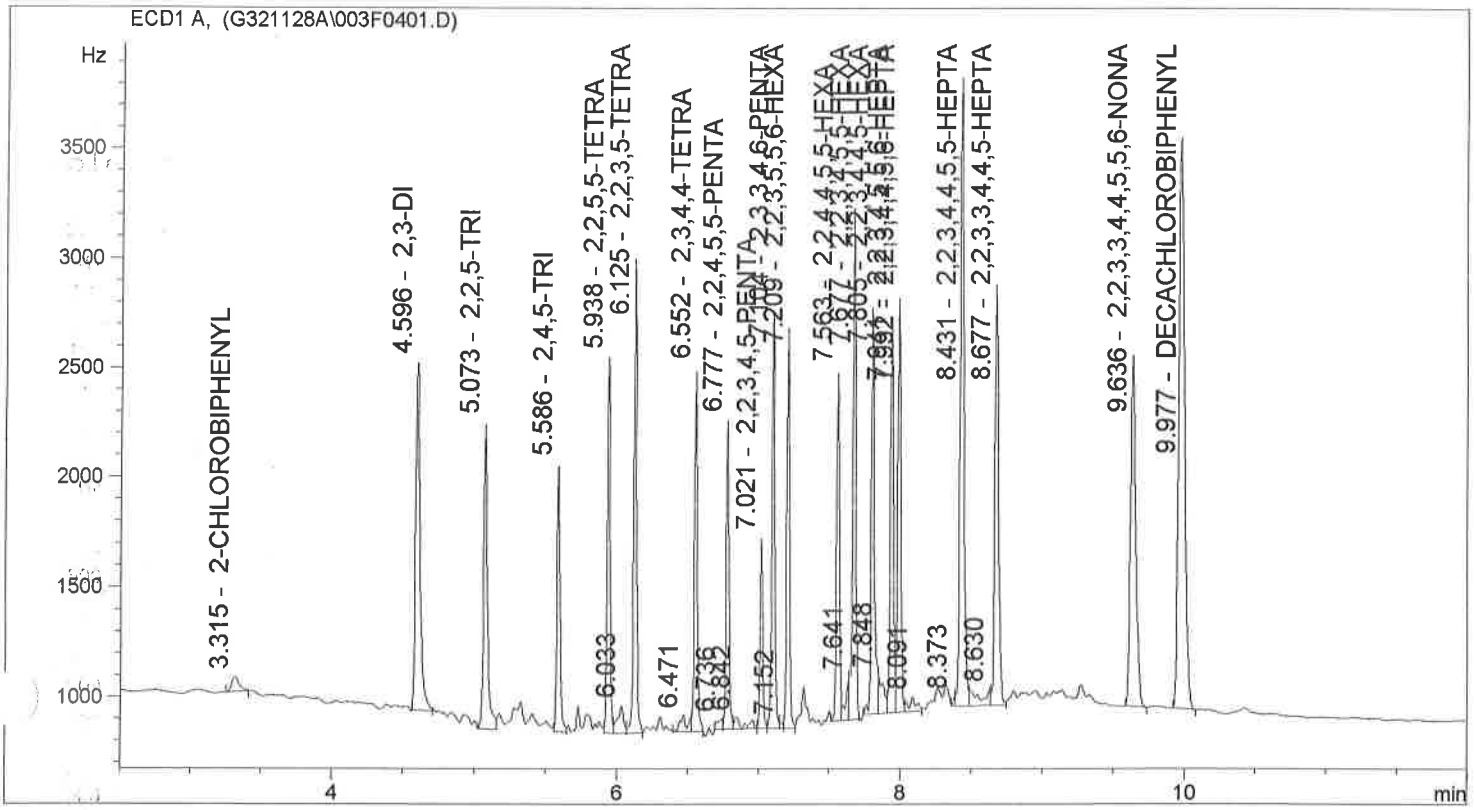
==========

Sample Name : LEVEL 1 Inst. GC #32Could not execute ->
2PCBS-789 10PERCENT 120HTS ->
Data File : C:\HPCHEM\1\DATA\2018\G321128A\002F0301.D
Injection Date : 11/28/2018 10:49:-> Analyst ID. : NK ML AH
Report Created : 11/28/2018 1:05:01 PM Vial No. : 2
Eq. Method : CONF18B.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 11/28/201801:05:01 PM Multiplier : 1.0000



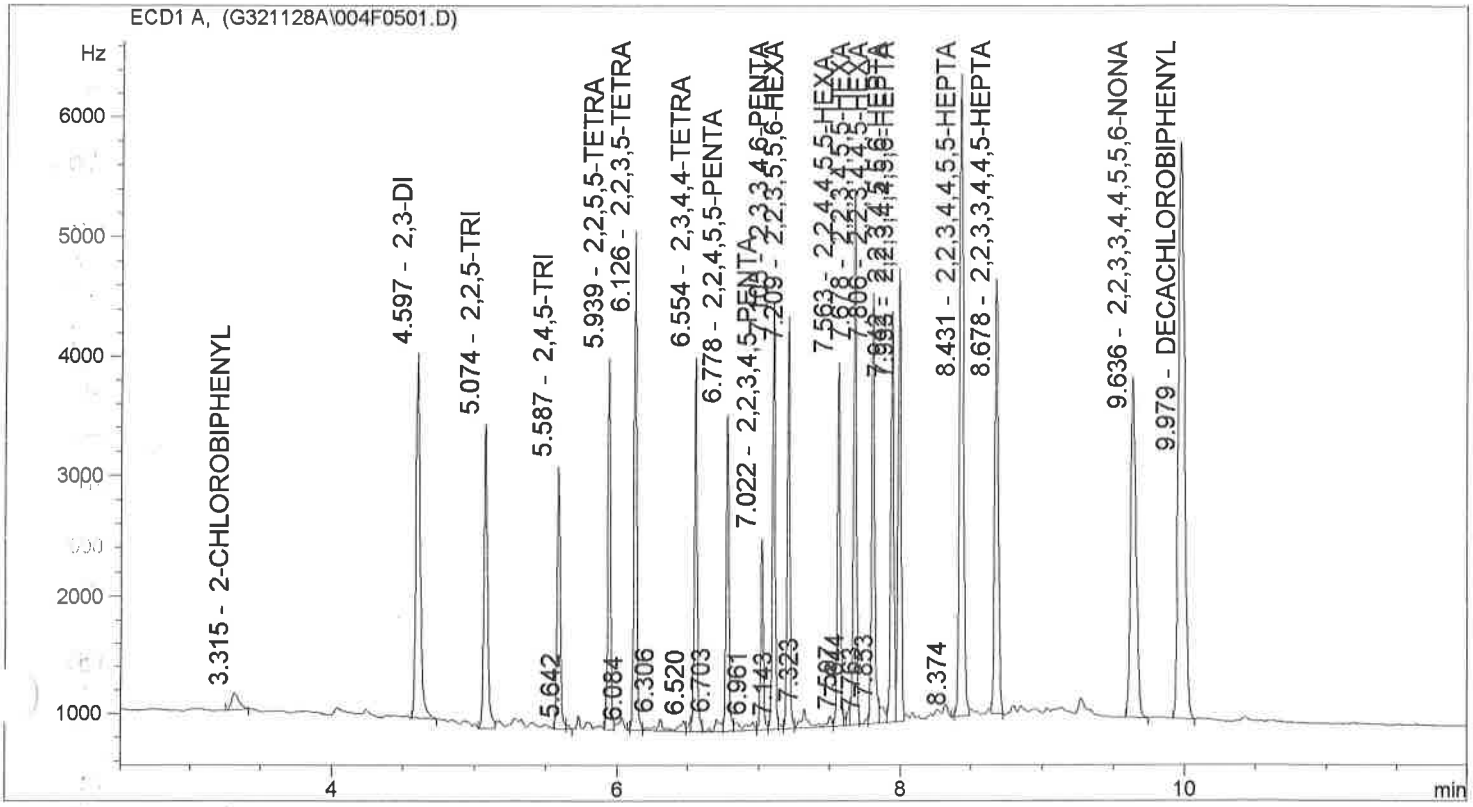
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.313	2-CHLOROBIPHENYL	0.0050	3.313
4.593	2,3-DI	0.0050	4.593
5.070	2,2,5-TRI	0.0050	5.070
5.582	2,4,5-TRI	0.0025	5.582
5.935	2,2,5,5-TETRA	0.0040	5.935
6.121	2,2,3,5-TETRA	0.0040	6.121
6.549	2,3,4,4-TETRA	0.0025	6.549
6.773	2,2,4,5,5-PENTA	0.0025	6.773
7.018	2,2,3,4,5-PENTA	0.0010	7.018
7.101	2,3,3,4,6-PENTA	0.0025	7.101
7.206	2,2,3,5,5,6-HEXA	0.0025	7.206
7.560	2,2,4,4,5,5-HEXA	0.0025	7.560
7.673	2,2,3,4,5,5-HEXA	0.0025	7.673
7.802	2,2,3,4,4,5-HEXA	0.0025	7.802
7.938	2,2,3,4,5,5,6-HEPTA	0.0025	7.938
7.989	2,2,3,4,4,5,6-HEPTA	0.0025	7.989
8.428	2,2,3,4,4,5,5-HEPTA	0.0040	8.428
8.675	2,2,3,3,4,4,5-HEPTA	0.0025	8.675
9.636	2,2,3,3,4,4,5,5,6-NONA	0.0025	9.636
9.973	DECACHLOROBIPHENYL	0.0060	9.973
		0.0640	

Sample Name : LEVEL 2 Inst. GC #32Could not execute ->
2PCBS-790 10PERCENT 120HTS ->
Data File : C:\HPCHEM\1\DATA\2018\G321128A\003F0401.D
Injection Date : 11/28/2018 11:04:-> Analyst ID. : NK ML AH
Report Created : 11/28/201812:09:25 PM Vial No. : 3
Seq. Method : CONF18B.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18B.M Dilution : 1.0000
Method Modified: 11/28/201800:09:25 PM Multiplier : 1.0000



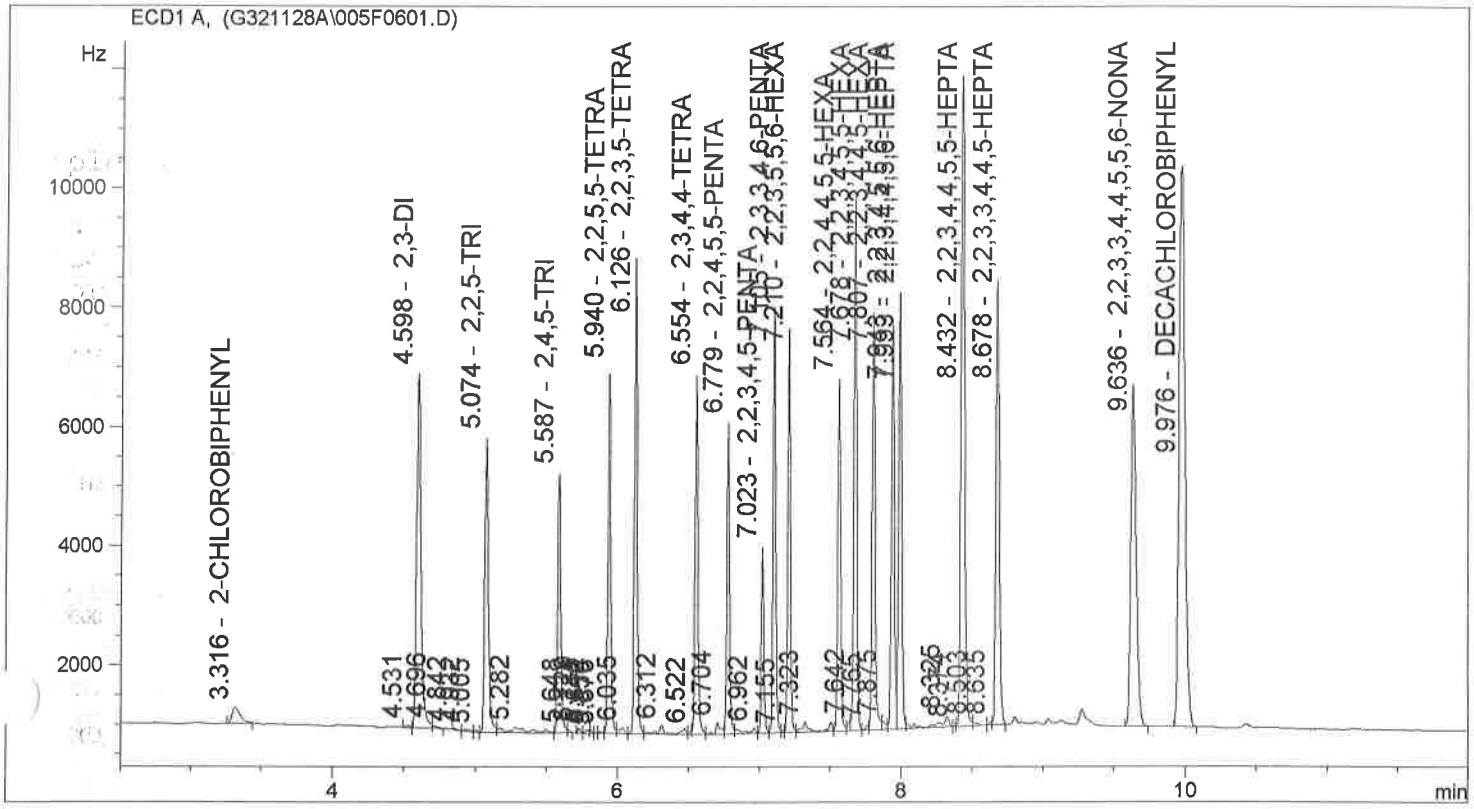
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.315	2-CHLOROBIPHENYL	0.0100	3.315
4.596	2,3-DI	0.0100	4.596
5.073	2,2,5-TRI	0.0100	5.073
5.586	2,4,5-TRI	0.0050	5.586
5.938	2,2,5,5-TETRA	0.0080	5.938
6.125	2,2,3,5-TETRA	0.0080	6.125
6.552	2,3,4,4-TETRA	0.0050	6.552
6.777	2,2,4,5,5-PENTA	0.0050	6.777
7.021	2,2,3,4,5-PENTA	0.0020	7.021
7.104	2,3,3,4,6-PENTA	0.0050	7.104
7.209	2,2,3,5,5,6-HEXA	0.0050	7.209
7.563	2,2,4,4,5,5-HEXA	0.0050	7.563
7.677	2,2,3,4,5,5-HEXA	0.0050	7.677
7.805	2,2,3,4,4,5-HEXA	0.0050	7.805
7.941	2,2,3,4,5,5,6-HEPTA	0.0050	7.941
7.992	2,2,3,4,4,5,6-HEPTA	0.0050	7.992
8.431	2,2,3,4,4,5,5-HEPTA	0.0080	8.431
8.677	2,2,3,3,4,4,5-HEPTA	0.0050	8.677
9.636	2,2,3,3,4,4,5,5,6-NONA	0.0050	9.636
9.977	DECACHLOROBIPHENYL	0.0120	9.977
		0.1280	

Sample Name : LEVEL 3 Inst. GC #32Could not execute ->
2PCBS-791 10PERCENT 120HTS ->
Data File : C:\HPCHEM\1\DATA\2018\G321128A\004F0501.D
Injection Date : 11/28/2018 11:19:-> Analyst ID. : NK ML AH
Report Created : 11/28/201812:23:33 PM Vial No. : 4
Eq. Method : CONF18B.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18B.M Dilution : 1.0000
Method Modified: 11/28/201800:23:33 PM Multiplier : 1.0000



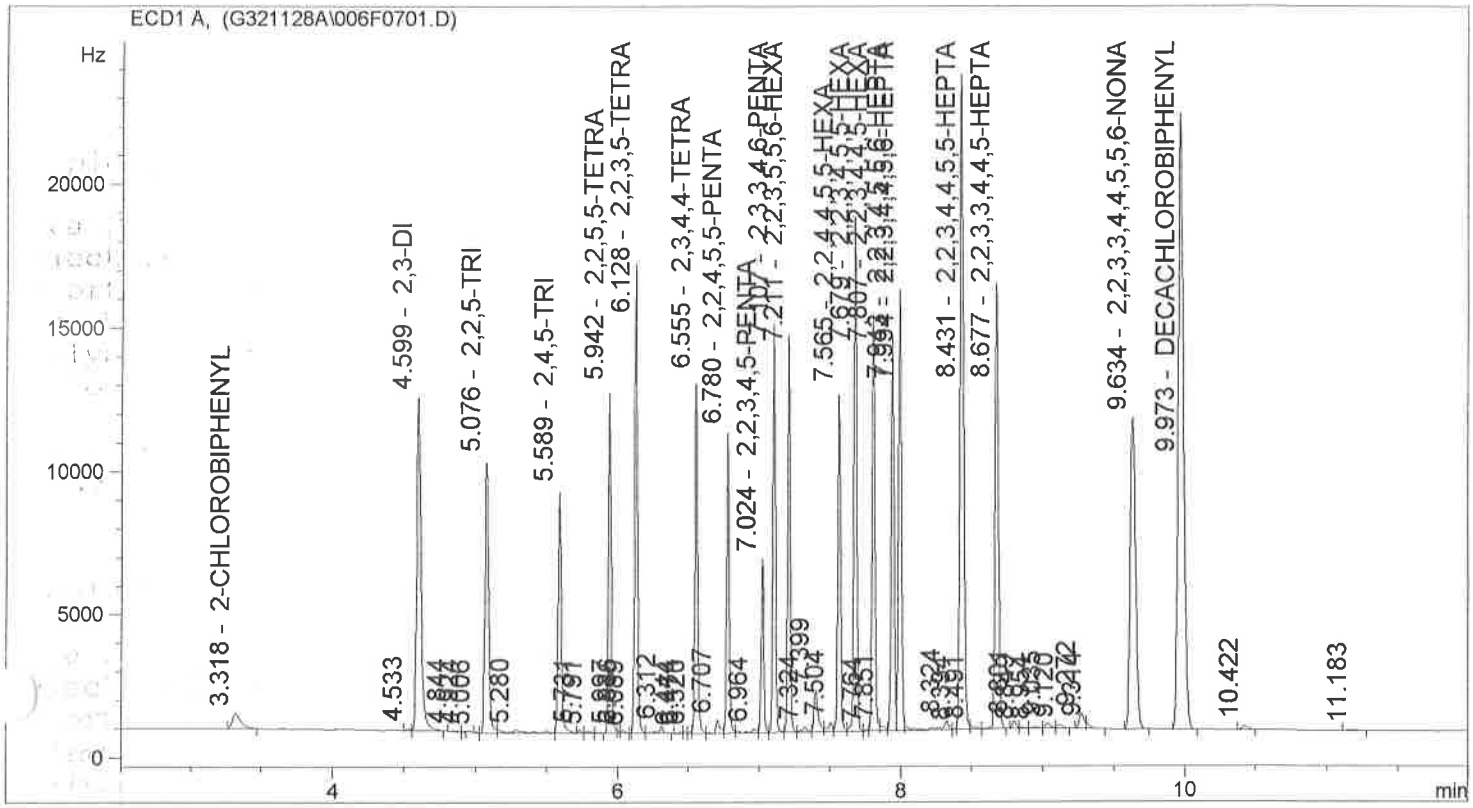
CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.315	2-CHLOROBIPHENYL	0.0199	3.315
4.597	2,3-DI	0.0200	4.597
5.074	2,2,5-TRI	0.0200	5.074
5.587	2,4,5-TRI	0.0100	5.587
5.939	2,2,5,5-TETRA	0.0159	5.939
6.126	2,2,3,5-TETRA	0.0163	6.126
6.554	2,3,4,4-TETRA	0.0100	6.554
6.778	2,2,4,5,5-PENTA	0.0100	6.778
7.022	2,2,3,4,5-PENTA	0.0040	7.022
7.105	2,3,3,4,6-PENTA	0.0100	7.105
7.209	2,2,3,5,5,6-HEXA	0.0100	7.209
7.563	2,2,4,4,5,5-HEXA	0.0100	7.563
7.678	2,2,3,4,5,5-HEXA	0.0100	7.678
7.806	2,2,3,4,4,5-HEXA	0.0099	7.806
7.942	2,2,3,4,5,5,6-HEPTA	0.0100	7.942
7.993	2,2,3,4,4,5,6-HEPTA	0.0100	7.993
8.431	2,2,3,4,4,5,5-HEPTA	0.0160	8.431
8.678	2,2,3,3,4,4,5-HEPTA	0.0100	8.678
9.636	2,2,3,3,4,4,5,5,6-NONA	0.0100	9.636
9.979	DECACHLOROBIPHENYL	0.0239	9.979
		0.2557	

Sample Name : LEVEL 4 Inst. GC #32Could not execute ->
2PCBS-792 10PERCENT 120HTS ->
Data File : C:\HPCHEM\1\DATA\2018\G321128A\005F0601.D
Injection Date : 11/28/2018 11:34:-> Analyst ID. : NK ML AH
Report Created : 11/28/201812:28:15 PM Vial No. : 5
Eq. Method : CONF18B.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18B.M Dilution : 1.0000
Method Modified: 11/28/201800:28:15 PM Multiplier : 1.0000



CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.316	2-CHLOROBIPHENYL	0.0400	3.316
4.598	2,3-DI	0.0400	4.598
5.074	2,2,5-TRI	0.0400	5.074
5.587	2,4,5-TRI	0.0200	5.587
5.940	2,2,5,5-TETRA	0.0320	5.940
6.126	2,2,3,5-TETRA	0.0323	6.126
6.554	2,3,4,4-TETRA	0.0200	6.554
6.779	2,2,4,5,5-PENTA	0.0199	6.779
7.023	2,2,3,4,5-PENTA	0.0080	7.023
7.105	2,3,3,4,6-PENTA	0.0201	7.105
7.210	2,2,3,5,5,6-HEXA	0.0200	7.210
7.564	2,2,4,4,5,5-HEXA	0.0200	7.564
7.678	2,2,3,4,5,5-HEXA	0.0201	7.678
7.807	2,2,3,4,4,5-HEXA	0.0199	7.807
7.943	2,2,3,4,5,5,6-HEPTA	0.0200	7.943
7.993	2,2,3,4,4,5,6-HEPTA	0.0200	7.993
8.432	2,2,3,4,4,5,5-HEPTA	0.0320	8.432
8.678	2,2,3,3,4,4,5-HEPTA	0.0200	8.678
9.636	2,2,3,3,4,4,5,5,6-NONA	0.0200	9.636
9.976	DECACHLOROBIPHENYL	0.0479	9.976
		0.5121	

Sample Name : LEVEL 5 Inst. GC #32Could not execute ->
2PCBS-793 10PERCENT 120HTS ->
Data File : C:\HPCHEM\1\DATA\2018\G321128A\006F0701.D
Injection Date : 11/28/2018 11:49:-> Analyst ID. : NK ML AH
Report Created : 11/28/201812:50:19 PM Vial No. : 6
Eq. Method : CONF18B.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 11/28/201800:46:04 PM Multiplier : 1.0000



CalTbl R.T.	Congener Name	Amount ug/mL	Actual R.T.
3.318	2-CHLOROBIPHENYL	0.0799	3.318
4.599	2,3-DI	0.0803	4.599
5.076	2,2,5-TRI	0.0799	5.076
5.589	2,4,5-TRI	0.0407	5.589
5.942	2,2,5,5-TETRA	0.0642	5.942
6.128	2,2,3,5-TETRA	0.0646	6.128
6.555	2,3,4,4-TETRA	0.0400	6.555
6.780	2,2,4,5,5-PENTA	0.0399	6.780
7.024	2,2,3,4,5-PENTA	0.0159	7.024
7.107	2,3,3,4,6-PENTA	0.0401	7.107
7.211	2,2,3,5,5,6-HEXA	0.0400	7.211
7.565	2,2,4,4,5,5-HEXA	0.0399	7.565
7.679	2,2,3,4,5,5-HEXA	0.0405	7.679
7.807	2,2,3,4,4,5-HEXA	0.0397	7.807
7.943	2,2,3,4,5,5,6-HEPTA	0.0400	7.943
7.994	2,2,3,4,4,5,6-HEPTA	0.0399	7.994
8.431	2,2,3,4,4,5,5-HEPTA	0.0641	8.431
8.677	2,2,3,3,4,4,5-HEPTA	0.0402	8.677
9.634	2,2,3,3,4,4,5,5,6-NONA	0.0399	9.634
9.973	DECACHLOROBIPHENYL	0.0961	9.973
		1.0259	

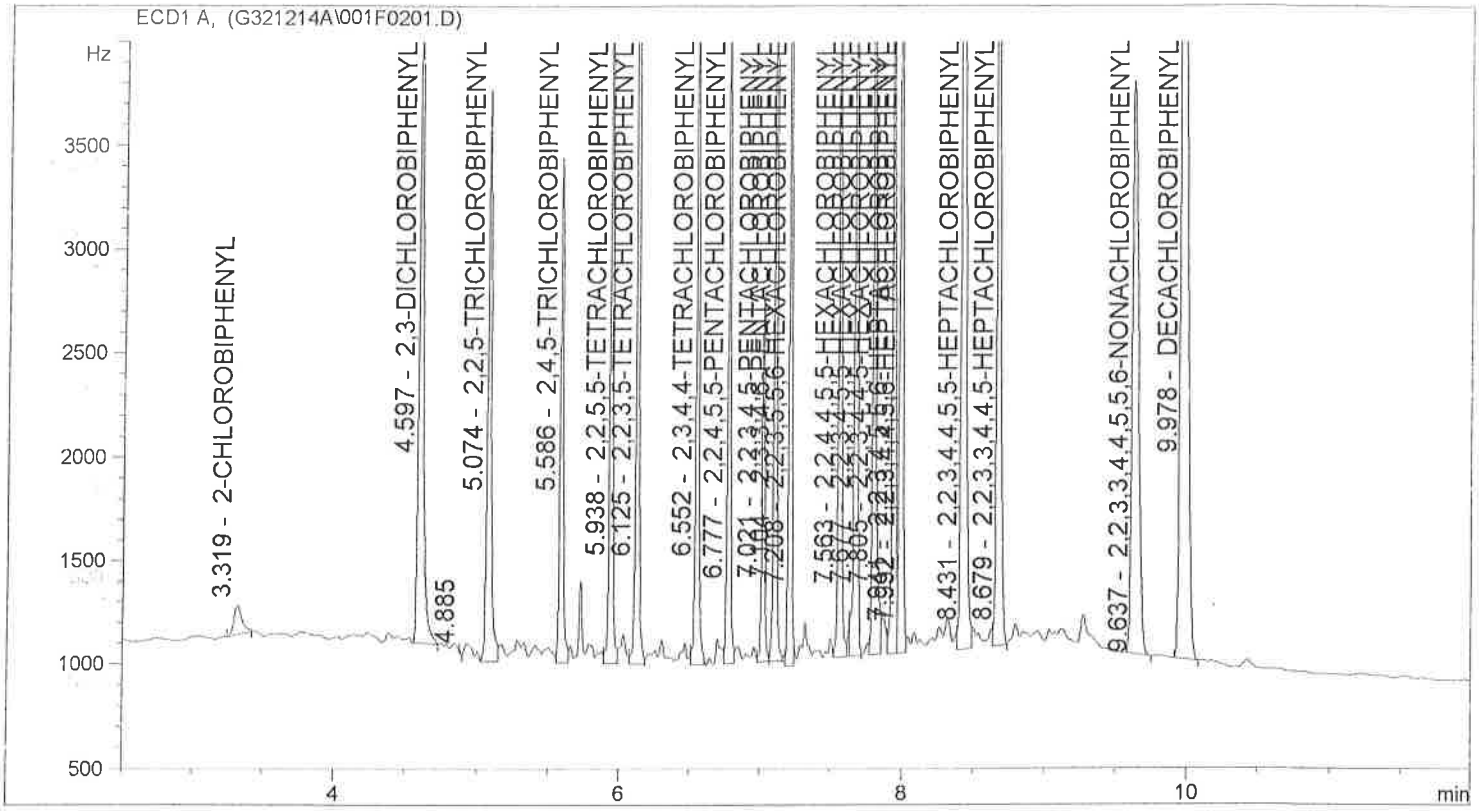
CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321214A
DATE: 12/14/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	548.9	0.021	104	PASS
2,3-Dichlorobiphenyl	0.02	6877.9	0.022	108	PASS
2,2,5-Trichlorobiphenyl	0.02	5027	0.022	112	PASS
2,4,5-Trichlorobiphenyl	0.01	3833.3	0.012	115	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	5008	0.019	118	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6456.7	0.018	113	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4888.5	0.012	115	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	4071.8	0.012	116	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2372.3	0.005	116	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5316.1	0.011	112	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	5175.4	0.012	116	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4849.7	0.012	115	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	7091.8	0.011	113	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	6063.8	0.012	116	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5744.9	0.011	115	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	6265.5	0.011	114	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	11162.1	0.018	113	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	7237.4	0.011	112	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	8357	0.011	110	PASS
Decachlorobiphenyl	0.024	15395	0.026	109	PASS

Comments: _____

Sample Name : CCS Inst. GC #32F - Congener Analysis
2PCBS-791 ->
Data File : C:\HPCHEM\1\DATA\2018\G321214A\001F0201.D
Injection Date : 12/14/2018 4:35:16 PM Analyst ID. : NK ML AH
Report Created : 12/16/2018 9:56:28 AM Vial No. : 1
Acq. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000

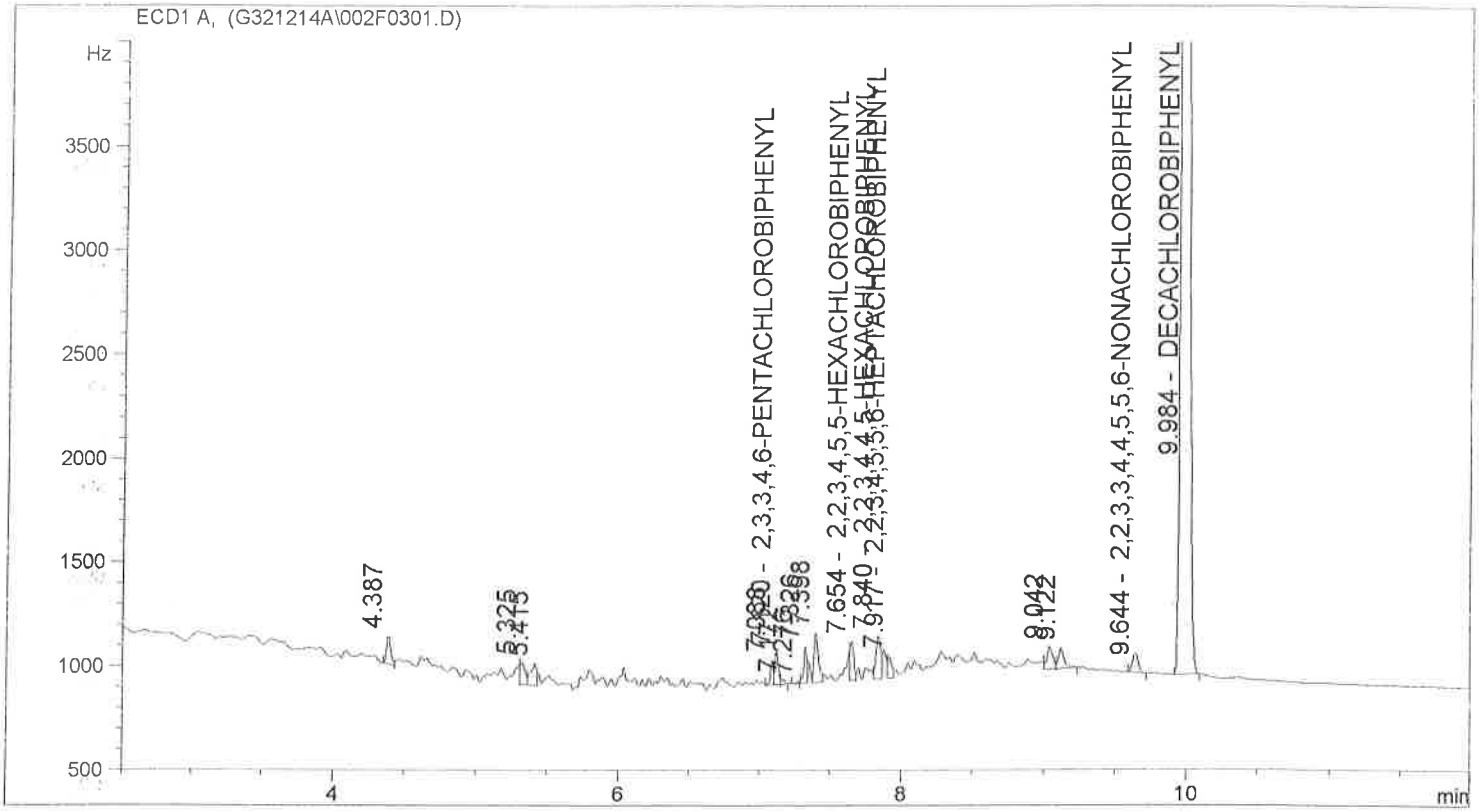


CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.319	2-CHLOROBIPHENYL	548.9
4.599	4.597	2,3-DICHLOROBIPHENYL	6877.9
5.076	5.074	2,2,5-TRICHLOROBIPHENYL	5027.0
5.589	5.586	2,4,5-TRICHLOROBIPHENYL	3833.3
5.942	5.938	2,2,5,5-TETRACHLOROBIPHENYL	5008.0
6.128	6.125	2,2,3,5-TETRACHLOROBIPHENYL	6456.7
6.555	6.552	2,3,4,4-TETRACHLOROBIPHENYL	4888.5
6.780	6.777	2,2,4,5,5-PENTACHLOROBIPHENYL	4071.8
7.024	7.021	2,2,3,4,5-PENTACHLOROBIPHENYL	2372.3
7.107	7.104	2,3,3,4,6-PENTACHLOROBIPHENYL	5316.1
7.211	7.208	2,2,3,5,5,6-HEXACHLOROBIPHENYL	5175.4
7.565	7.563	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4849.7
7.679	7.677	2,2,3,4,5,5-HEXACHLOROBIPHENYL	7091.8
7.807	7.805	2,2,3,4,4,5-HEXACHLOROBIPHENYL	6063.8
7.943	7.941	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5744.9
7.994	7.992	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	6265.5
8.431	8.431	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	11162.1
8.677	8.679	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	7237.4
9.634	9.637	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	8357.0
9.973	9.978	DECACHLOROBIPHENYL	15395.0

Comments: _____

Sample Name : METHOD BLANK Inst. GC #32F - Congener Analysis

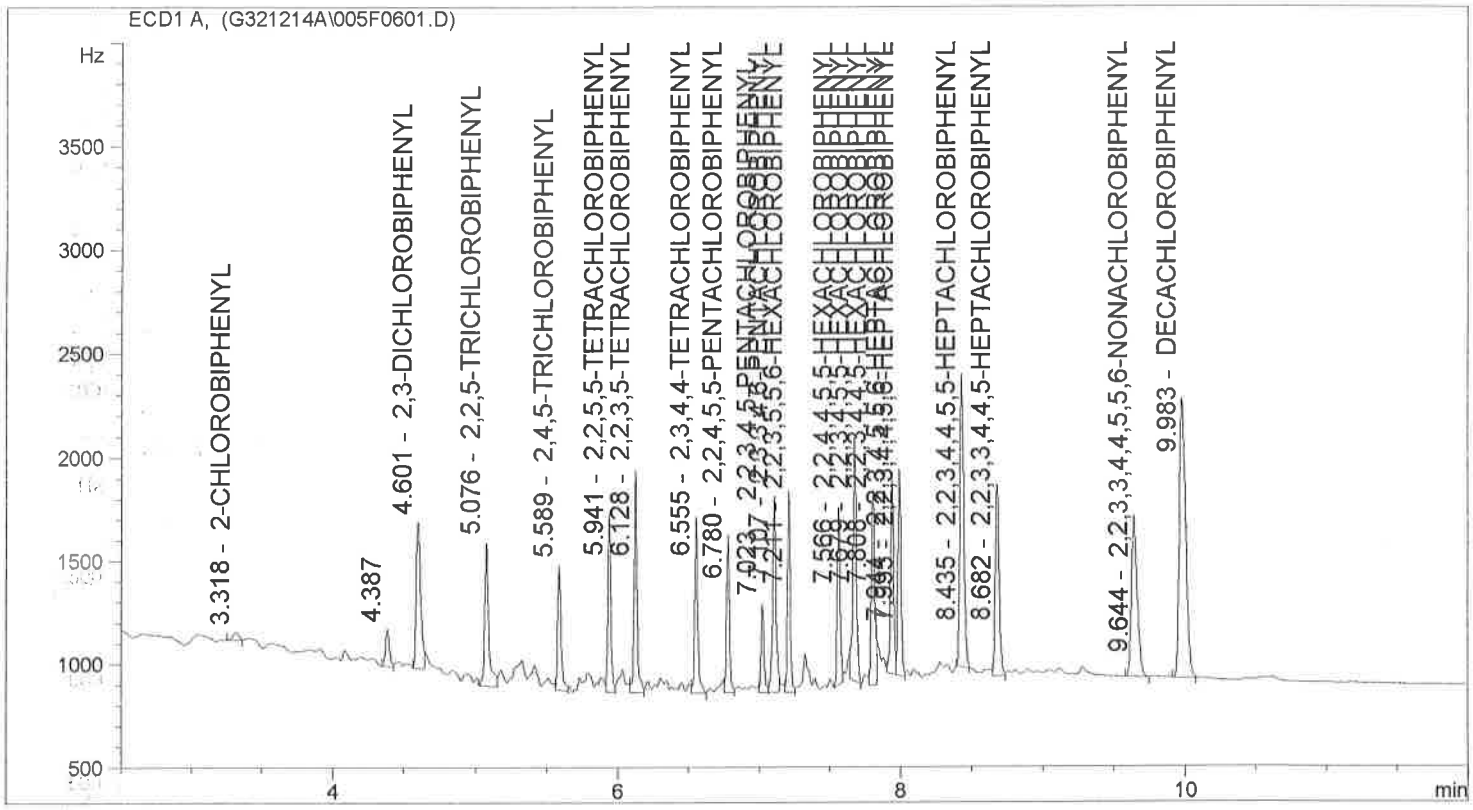
Data File : C:\HPCHEM\1\DATA\2018\G321214A\002F0301.D
Injection Date : 12/14/2018 4:50:17 PM Analyst ID. : NK ML AH
Report Created : 12/16/2018 9:58:53 AM Vial No. : 2
Acq. Method : CONF18C.M Sample Amt. : 2.5447
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	7.120	2,3,3,4,6-PENTACHLOROBIPHENYL	277.7
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	7.654	2,2,3,4,5,5-HEXACHLOROBIPHENYL	345.5
7.807	7.840	2,2,3,4,4,5-HEXACHLOROBIPHENYL	469.3
7.943	7.917	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	212.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.644	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	253.9
9.973	9.984	DECACHLOROBIPHENYL	33499.5

Comments: _____

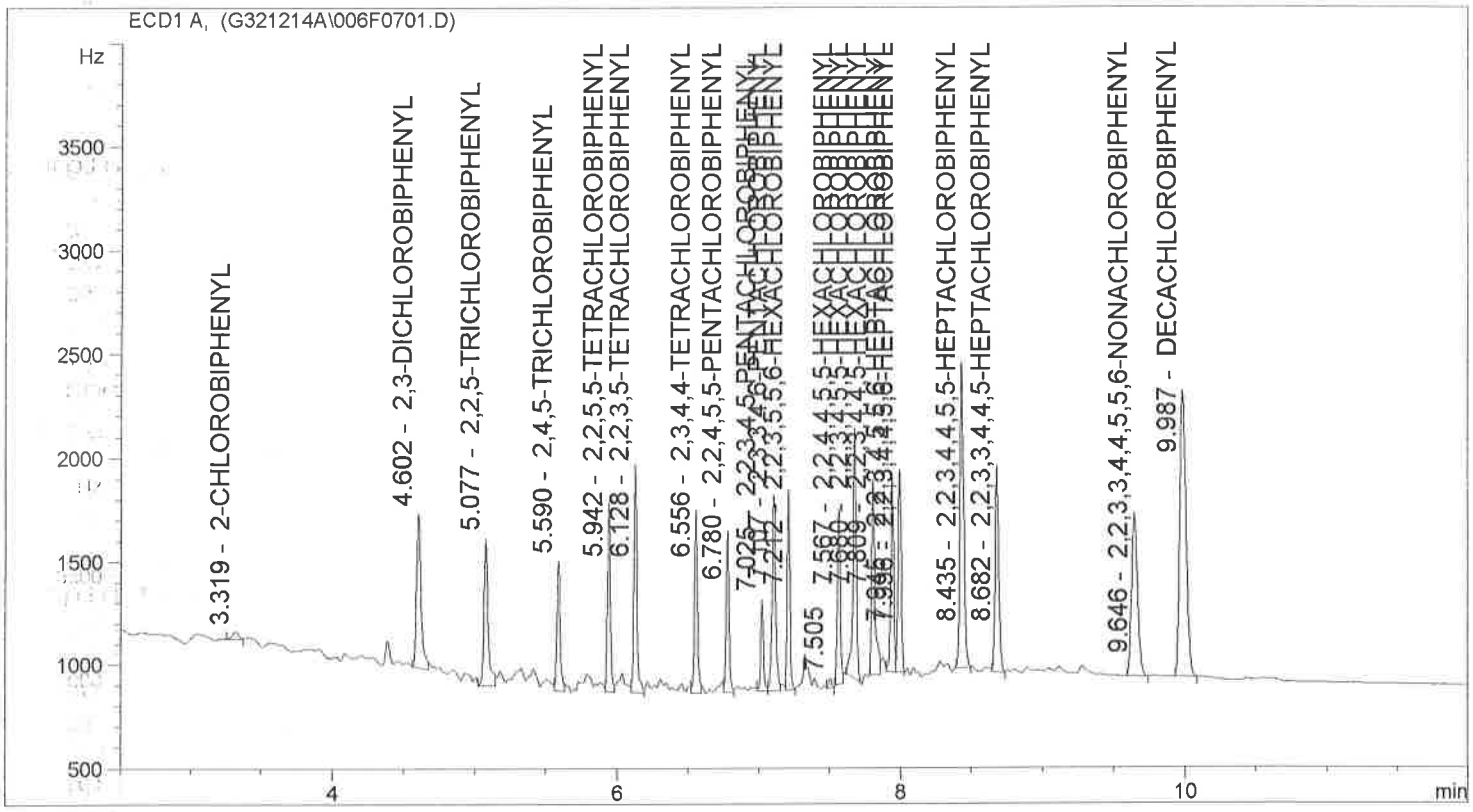
Sample Name : 2PCBS-783 A Inst. GC #32F - Congener Analysis
LLOQ CONFIRMATION ->
Data File : C:\HPCHEM\1\DATA\2018\G321214A\005F0601.D
Injection Date : 12/14/2018 5:35:50 PM Analyst ID. : NK ML AH
Report Created : 12/15/201812:31:45 PM Vial No. : 5
Acq. Method : CONF18C.M Sample Amt. : 2.5558
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.318	2-CHLOROBIPHENYL	101.1
4.599	4.601	2,3-DICHLOROBIPHENYL	1545.4
5.076	5.076	2,2,5-TRICHLOROBIPHENYL	1405.7
5.589	5.589	2,4,5-TRICHLOROBIPHENYL	993.3
5.942	5.941	2,2,5,5-TETRACHLOROBIPHENYL	1264.9
6.128	6.128	2,2,3,5-TETRACHLOROBIPHENYL	1594.0
6.555	6.555	2,3,4,4-TETRACHLOROBIPHENYL	1249.4
6.780	6.780	2,2,4,5,5-PENTACHLOROBIPHENYL	1072.5
7.024	7.023	2,2,3,4,5-PENTACHLOROBIPHENYL	600.2
7.107	7.107	2,3,3,4,6-PENTACHLOROBIPHENYL	1586.9
7.211	7.211	2,2,3,5,5,6-HEXACHLOROBIPHENYL	1299.9
7.565	7.566	2,2,4,4,5,5-HEXACHLOROBIPHENYL	1217.3
7.679	7.679	2,2,3,4,5,5-HEXACHLOROBIPHENYL	1878.1
7.807	7.808	2,2,3,4,4,5-HEXACHLOROBIPHENYL	1481.5
7.943	7.944	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	1431.7
7.994	7.995	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	1494.8
8.431	8.435	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	2599.1
8.677	8.682	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	1736.4
9.634	9.644	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	2206.4
9.973	9.983	DECACHLOROBIPHENYL	4199.8

Comments: _____

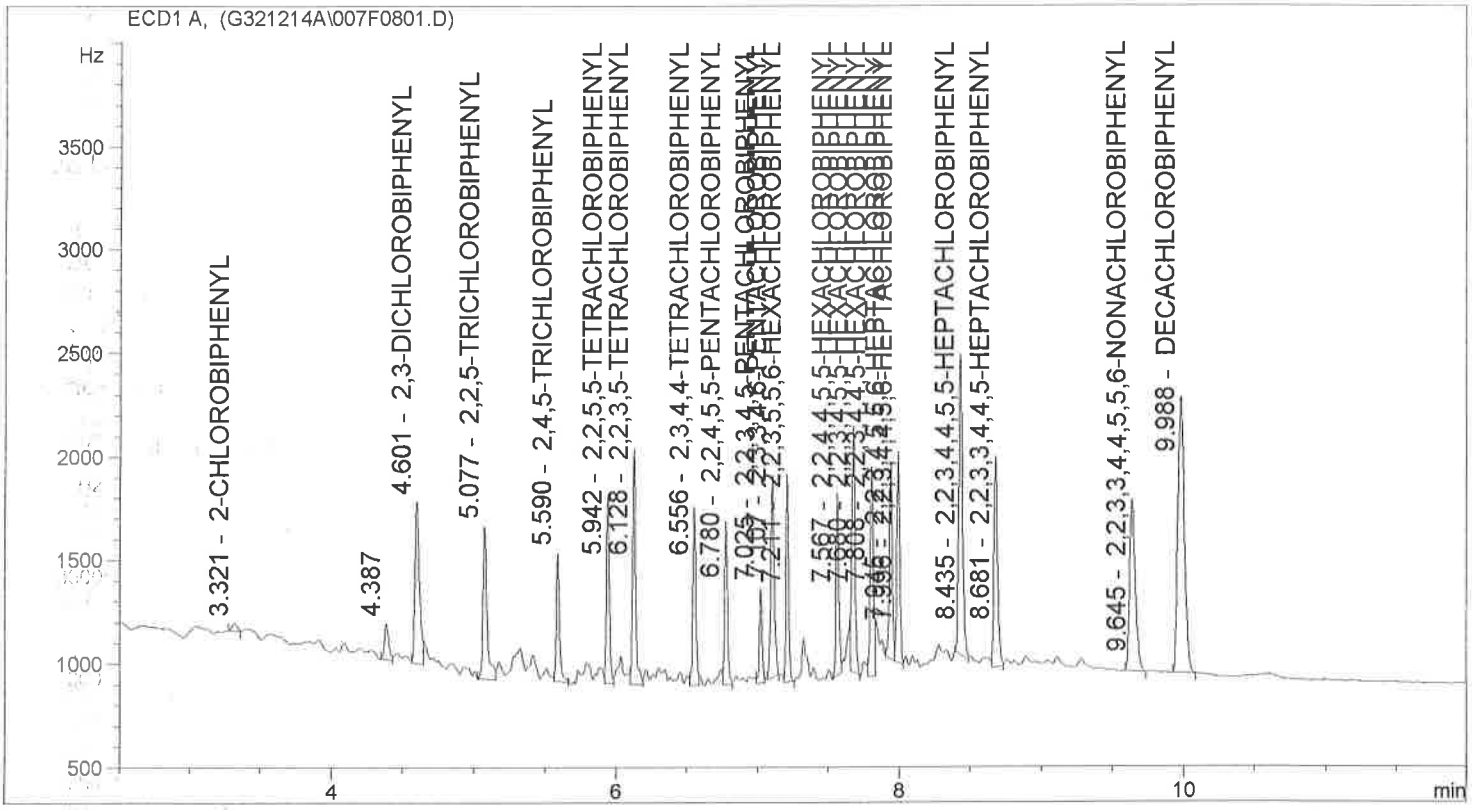
Sample Name : 2PCBS-783 B Inst. GC #32F - Congener Analysis
LLOQ CONFIRMATION ->
Data File : C:\HPCHEM\1\DATA\2018\G321214A\006F0701.D
Injection Date : 12/14/2018 5:51:04 PM Analyst ID. : NK ML AH
Report Created : 12/18/2018 2:02:25 PM Vial No. : 6
Acq. Method : CONF18C.M Sample Amt. : 2.5529
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.319	2-CHLOROBIPHENYL	108.1
4.599	4.602	2,3-DICHLOROBIPHENYL	1688.7
5.076	5.077	2,2,5-TRICHLOROBIPHENYL	1424.6
5.589	5.590	2,4,5-TRICHLOROBIPHENYL	1017.6
5.942	5.942	2,2,5,5-TETRACHLOROBIPHENYL	1305.0
6.128	6.128	2,2,3,5-TETRACHLOROBIPHENYL	1608.8
6.555	6.556	2,3,4,4-TETRACHLOROBIPHENYL	1243.0
6.780	6.780	2,2,4,5,5-PENTACHLOROBIPHENYL	1097.9
7.024	7.025	2,2,3,4,5-PENTACHLOROBIPHENYL	601.4
7.107	7.107	2,3,3,4,6-PENTACHLOROBIPHENYL	1596.1
7.211	7.212	2,2,3,5,5,6-HEXACHLOROBIPHENYL	1302.6
7.565	7.567	2,2,4,4,5,5-HEXACHLOROBIPHENYL	1246.5
7.679	7.680	2,2,3,4,5,5-HEXACHLOROBIPHENYL	1908.0
7.807	7.809	2,2,3,4,4,5-HEXACHLOROBIPHENYL	1570.6
7.943	7.945	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	1468.1
7.994	7.996	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	1500.1
8.431	8.435	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	2748.4
8.677	8.682	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	1741.7
9.634	9.646	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	2275.4
9.973	9.987	DECACHLOROBIPHENYL	4283.0

Comments: _____

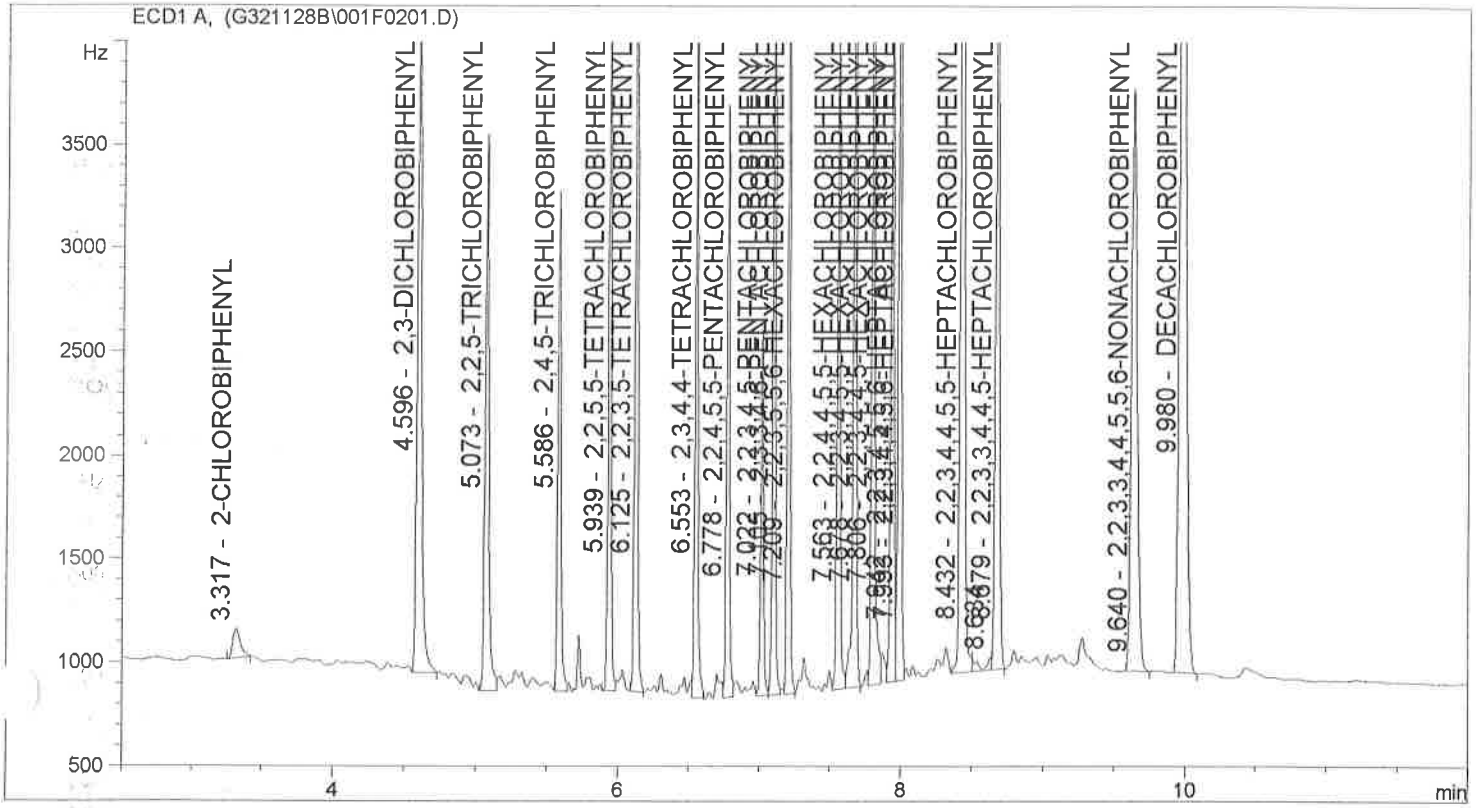
Sample Name : 2PCBS-783 C Inst. GC #32F - Congener Analysis
LLOQ CONFIRMATION ->
Data File : C:\HPCHEM\1\DATA\2018\G321214A\007F0801.D
Injection Date : 12/14/2018 6:06:17 PM Analyst ID. : NK ML AH
Report Created : 12/15/2018 1:20:39 PM Vial No. : 7
Acq. Method : CONF18C.M Sample Amt. : 2.5446
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.321	2-CHLOROBIPHENYL	94.5
4.599	4.601	2,3-DICHLOROBIPHENYL	1721.2
5.076	5.077	2,2,5-TRICHLOROBIPHENYL	1456.6
5.589	5.590	2,4,5-TRICHLOROBIPHENYL	986.9
5.942	5.942	2,2,5,5-TETRACHLOROBIPHENYL	1292.3
6.128	6.128	2,2,3,5-TETRACHLOROBIPHENYL	1670.5
6.555	6.556	2,3,4,4-TETRACHLOROBIPHENYL	1283.5
6.780	6.780	2,2,4,5,5-PENTACHLOROBIPHENYL	1112.8
7.024	7.025	2,2,3,4,5-PENTACHLOROBIPHENYL	603.6
7.107	7.107	2,3,3,4,6-PENTACHLOROBIPHENYL	1588.8
7.211	7.211	2,2,3,5,5,6-HEXACHLOROBIPHENYL	1276.4
7.565	7.567	2,2,4,4,5,5-HEXACHLOROBIPHENYL	1223.0
7.679	7.680	2,2,3,4,5,5-HEXACHLOROBIPHENYL	1867.3
7.807	7.808	2,2,3,4,4,5-HEXACHLOROBIPHENYL	1584.7
7.943	7.945	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	1417.0
7.994	7.996	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	1458.3
8.431	8.435	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	2697.8
8.677	8.681	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	1823.1
9.634	9.645	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	2257.3
9.973	9.988	DECACHLOROBIPHENYL	4253.3

Comments: _____

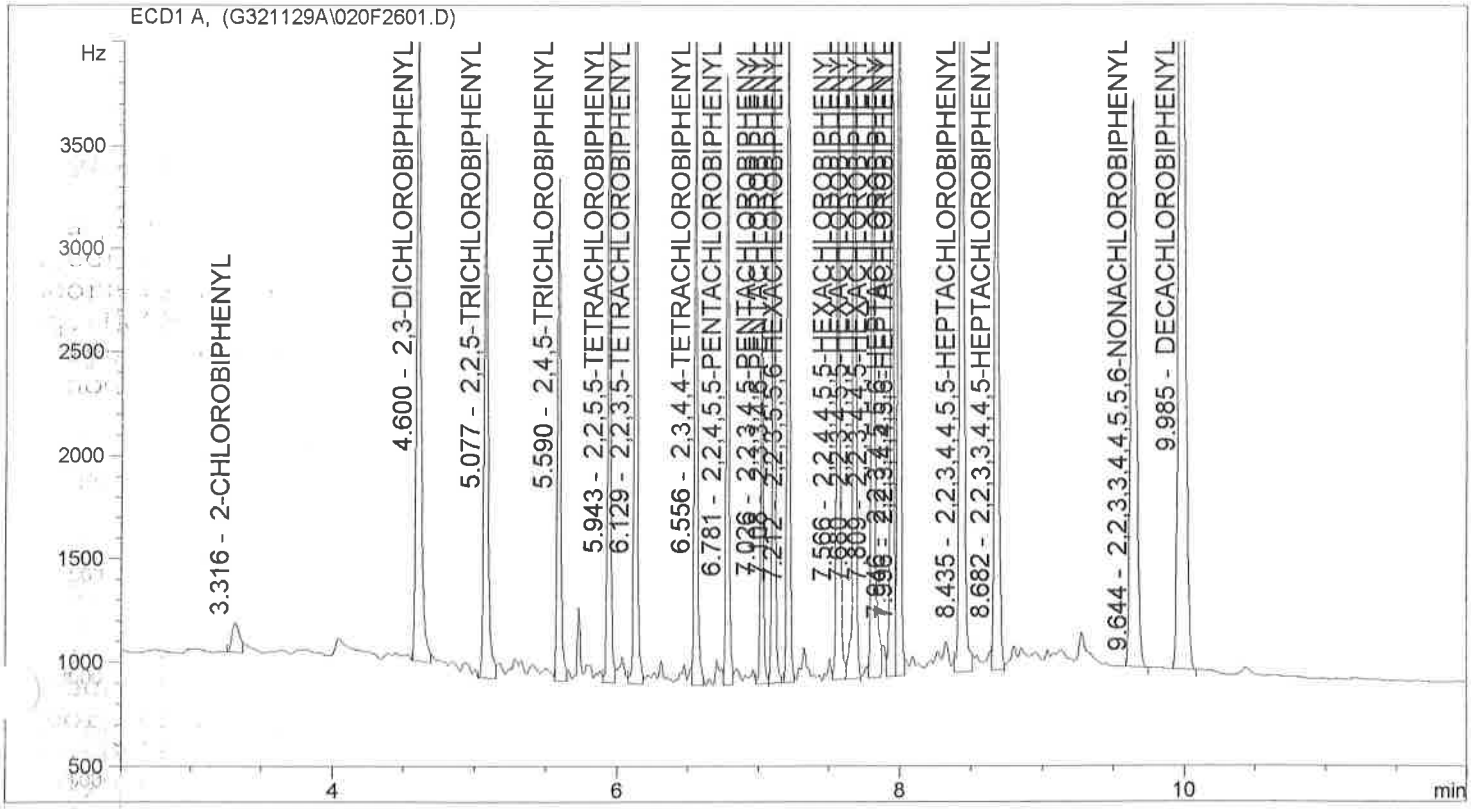
Sample Name : CCS Inst. GC #32F - Congener Analysis
2PCBS-786 ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\001F0201.D
Injection Date : 11/28/2018 1:39:15 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:01:35 PM Vial No. : 1
Seq. Method : CONF18B.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.317	2-CHLOROBIPHENYL	538.6
4.599	4.596	2,3-DICHLOROBIPHENYL	6805.3
5.076	5.073	2,2,5-TRICHLOROBIPHENYL	4868.7
5.589	5.586	2,4,5-TRICHLOROBIPHENYL	3670.5
5.942	5.939	2,2,5,5-TETRACHLOROBIPHENYL	4639.2
6.128	6.125	2,2,3,5-TETRACHLOROBIPHENYL	6040.0
6.555	6.553	2,3,4,4-TETRACHLOROBIPHENYL	4661.3
6.780	6.778	2,2,4,5,5-PENTACHLOROBIPHENYL	3916.4
7.024	7.022	2,2,3,4,5-PENTACHLOROBIPHENYL	2269.2
7.107	7.105	2,3,3,4,6-PENTACHLOROBIPHENYL	5096.1
7.211	7.209	2,2,3,5,5,6-HEXACHLOROBIPHENYL	4846.8
7.565	7.563	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4594.6
7.679	7.678	2,2,3,4,5,5-HEXACHLOROBIPHENYL	6814.9
7.807	7.806	2,2,3,4,4,5-HEXACHLOROBIPHENYL	5762.9
7.943	7.942	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5304.8
7.994	7.993	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	5790.2
8.431	8.432	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	10334.1
8.677	8.679	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	6717.3
9.634	9.640	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	7976.3
9.973	9.980	DECACHLOROBIPHENYL	14670.0

Comments: _____

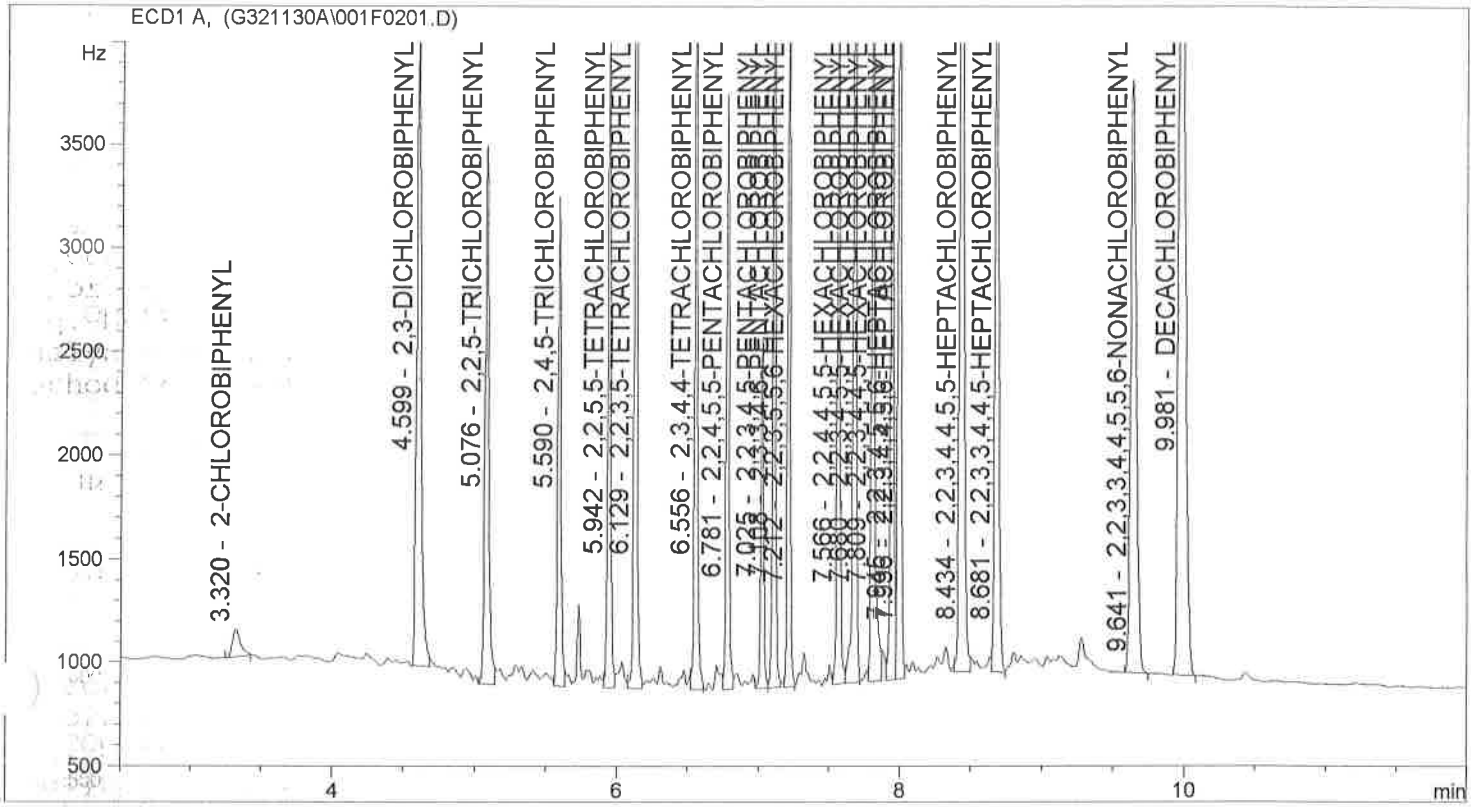
Sample Name : CCS Inst. GC #32F - Congener Analysis
2PCBS-791 ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\020F2601.D
Injection Date : 11/29/2018 9:06:58 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:39:17 AM Vial No. : 20
Seq. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.316	2-CHLOROBIPHENYL	533.2
4.599	4.600	2,3-DICHLOROBIPHENYL	6753.8
5.076	5.077	2,2,5-TRICHLOROBIPHENYL	4876.0
5.589	5.590	2,4,5-TRICHLOROBIPHENYL	3749.7
5.942	5.943	2,2,5,5-TETRACHLOROBIPHENYL	4771.8
6.128	6.129	2,2,3,5-TETRACHLOROBIPHENYL	6234.9
6.555	6.556	2,3,4,4-TETRACHLOROBIPHENYL	4729.1
6.780	6.781	2,2,4,5,5-PENTACHLOROBIPHENYL	3924.6
7.024	7.026	2,2,3,4,5-PENTACHLOROBIPHENYL	2288.7
7.107	7.108	2,3,3,4,6-PENTACHLOROBIPHENYL	5139.8
7.211	7.212	2,2,3,5,5,6-HEXACHLOROBIPHENYL	4883.1
7.565	7.566	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4647.4
7.679	7.680	2,2,3,4,5,5-HEXACHLOROBIPHENYL	6919.4
7.807	7.809	2,2,3,4,4,5-HEXACHLOROBIPHENYL	5818.2
7.943	7.946	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5432.2
7.994	7.996	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	5905.7
8.431	8.435	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	10569.0
8.677	8.682	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	6911.8
9.634	9.644	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	7971.5
9.973	9.985	DECACHLOROBIPHENYL	14710.2

Comments: _____

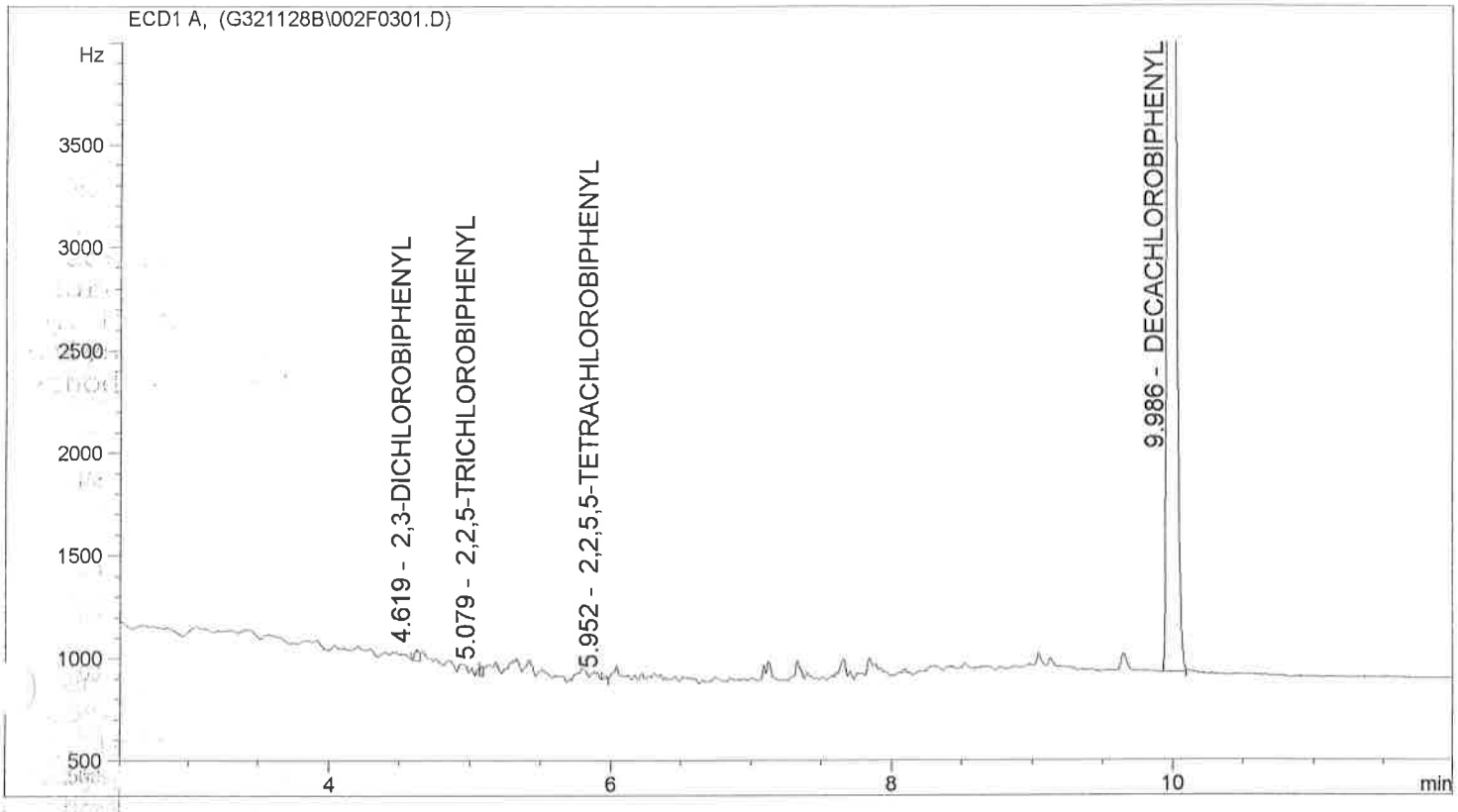
Sample Name : CCS Inst. GC #32F - Congener Analysis
2PCBS-791 ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\001F0201.D
Injection Date : 11/30/2018 2:01:08 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:55:19 PM Vial No. : 1
Seq. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.320	2-CHLOROBIPHENYL	534.3
4.599	4.599	2,3-DICHLOROBIPHENYL	6607.6
5.076	5.076	2,2,5-TRICHLOROBIPHENYL	4807.8
5.589	5.590	2,4,5-TRICHLOROBIPHENYL	3667.2
5.942	5.942	2,2,5,5-TETRACHLOROBIPHENYL	4716.4
6.128	6.129	2,2,3,5-TETRACHLOROBIPHENYL	6161.9
6.555	6.556	2,3,4,4-TETRACHLOROBIPHENYL	4697.2
6.780	6.781	2,2,4,5,5-PENTACHLOROBIPHENYL	3912.0
7.024	7.025	2,2,3,4,5-PENTACHLOROBIPHENYL	2263.8
7.107	7.108	2,3,3,4,6-PENTACHLOROBIPHENYL	5080.9
7.211	7.212	2,2,3,5,5,6-HEXACHLOROBIPHENYL	4851.5
7.565	7.566	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4597.4
7.679	7.680	2,2,3,4,5,5-HEXACHLOROBIPHENYL	6844.2
7.807	7.809	2,2,3,4,4,5-HEXACHLOROBIPHENYL	5825.0
7.943	7.945	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5353.5
7.994	7.996	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	5837.1
8.431	8.434	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	10263.1
8.677	8.681	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	6769.7
9.634	9.641	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	7924.9
9.973	9.981	DECACHLOROBIPHENYL	14578.8

Comments: _____

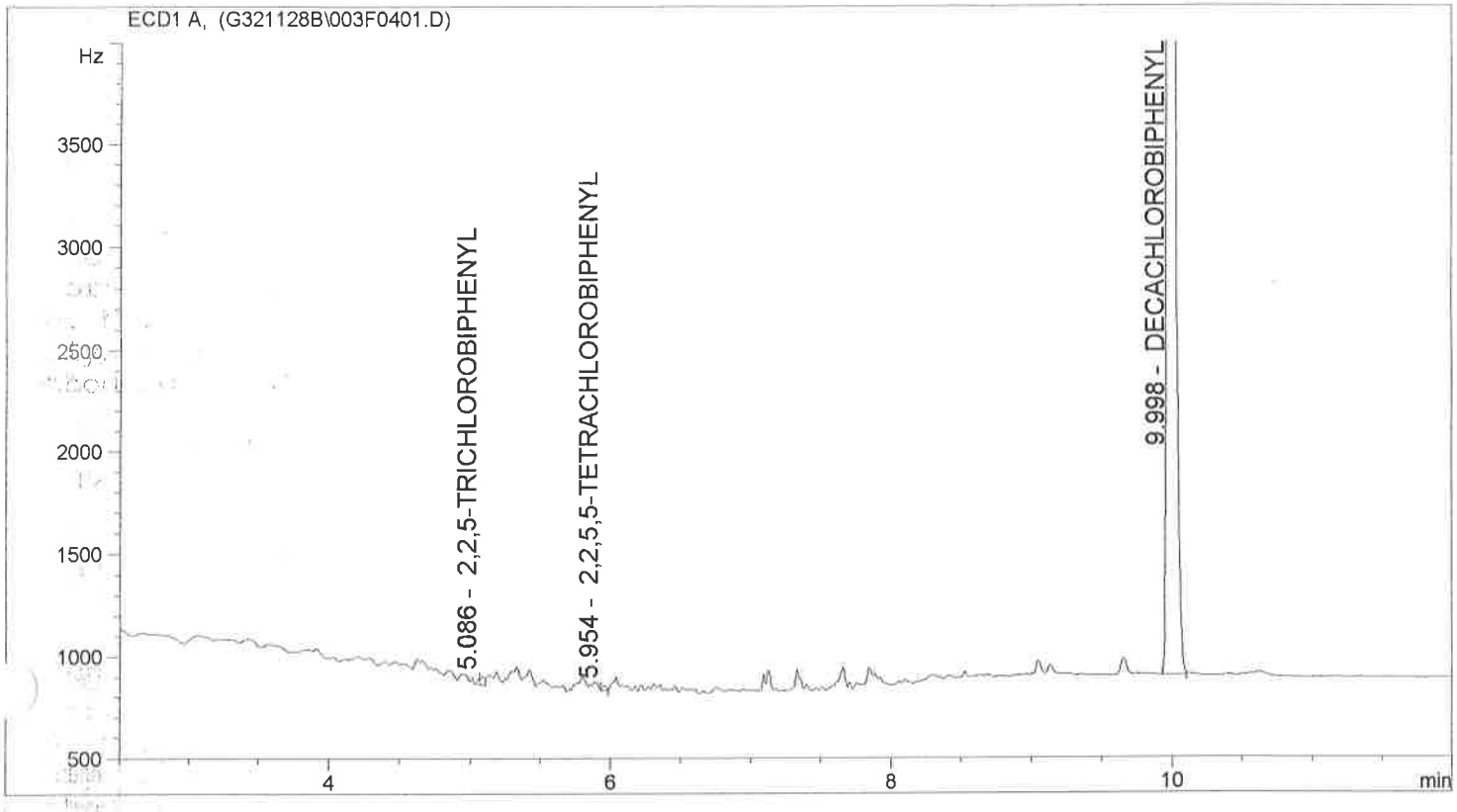
Sample Name : METHOD BLK 1 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\002F0301.D
Injection Date : 11/28/2018 1:54:22 PM Analyst ID. : NK ML AH
Report Created : 12/6/2018 3:50:28 PM Vial No. : 2
Inj. Method : CONF18B.M Sample Amt. : 2.5290
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	4.619	2,3-DICHLOROBIPHENYL	113.4
5.076	5.079	2,2,5-TRICHLOROBIPHENYL	56.4
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	5.952	2,2,5,5-TETRACHLOROBIPHENYL	23.4
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.986	DECACHLOROBIPHENYL	33458.4

Comments: _____

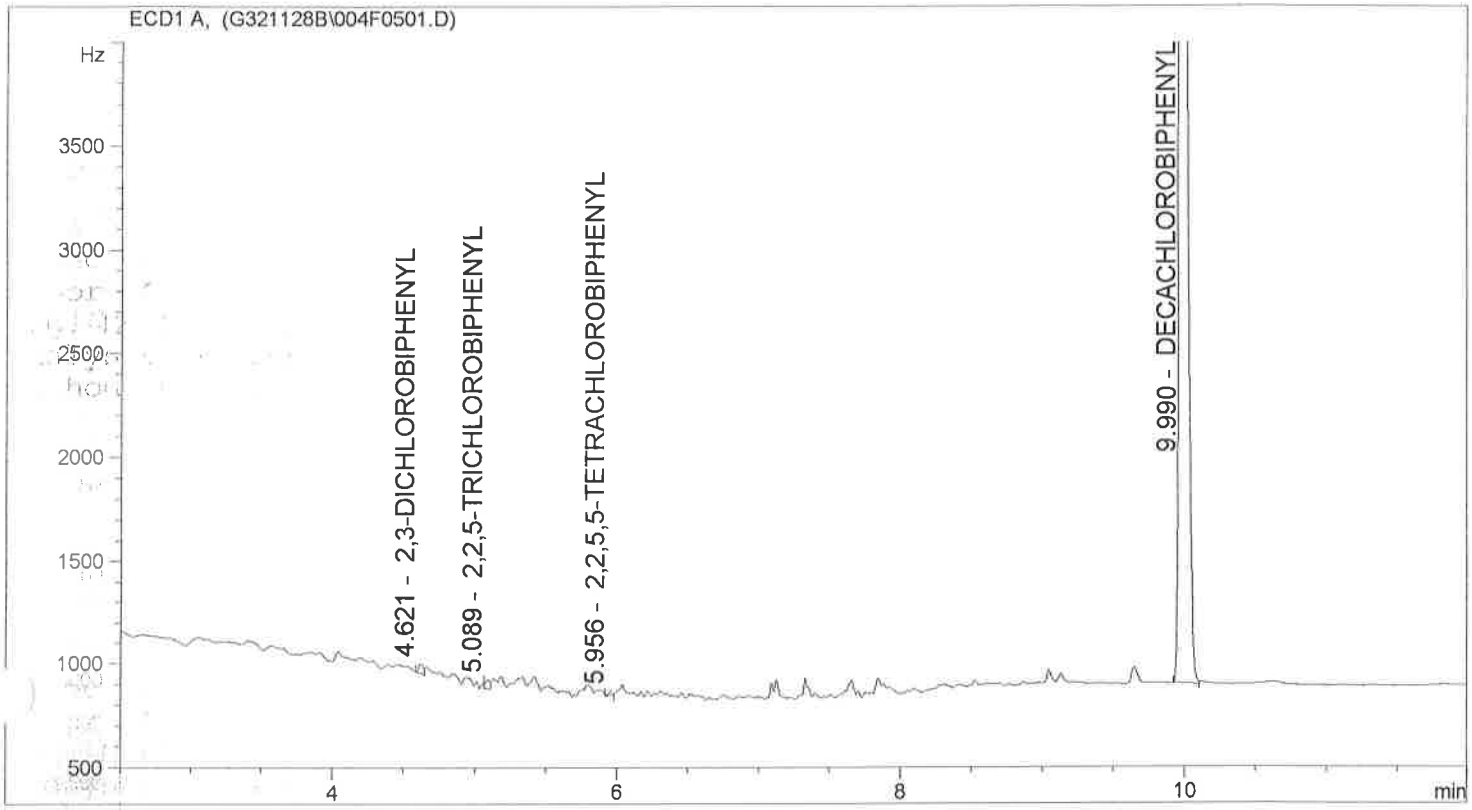
Sample Name : METHOD BLK 2 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\003F0401.D
Injection Date : 11/28/2018 2:09:29 PM Analyst ID. : NK ML AH
Report Created : 12/6/2018 3:54:26 PM Vial No. : 3
Eq. Method : CONF18B.M Sample Amt. : 2.5536
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	5.086	2,2,5-TRICHLOROBIPHENYL	85.9
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	5.954	2,2,5,5-TETRACHLOROBIPHENYL	52.7
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.998	DECACHLOROBIPHENYL	33929.4

Comments: _____

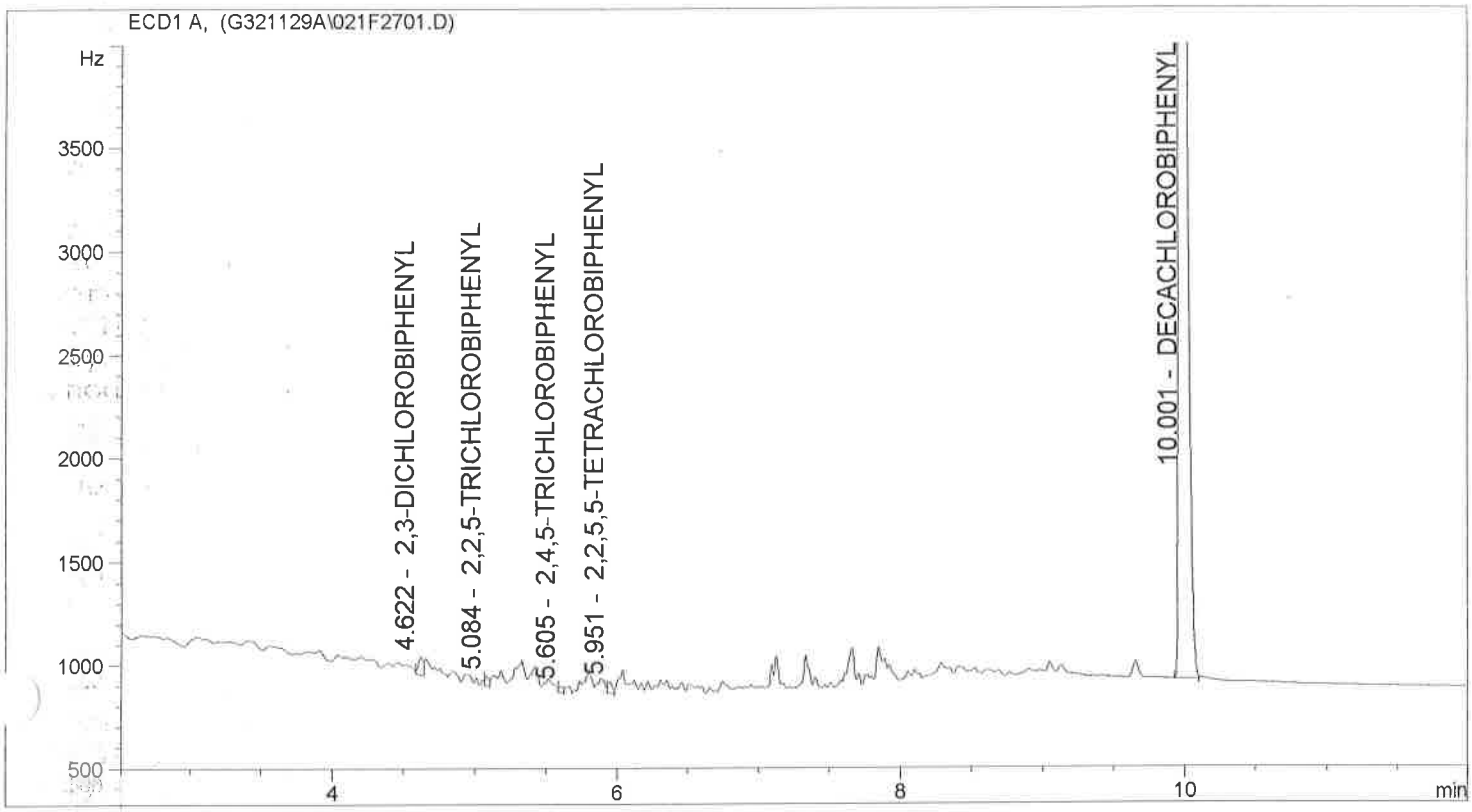
Sample Name : METHOD BLK 3 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\004F0501.D
Injection Date : 11/28/2018 2:24:36 PM Analyst ID. : NK ML AH
Report Created : 12/6/2018 3:58:00 PM Vial No. : 4
Seq. Method : CONF18B.M Sample Amt. : 2.5671
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	4.621	2,3-DICHLOROBIPHENYL	95.3
5.076	5.089	2,2,5-TRICHLOROBIPHENYL	93.7
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	5.956	2,2,5,5-TETRACHLOROBIPHENYL	29.1
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.990	DECACHLOROBIPHENYL	32234.0

Comments: _____

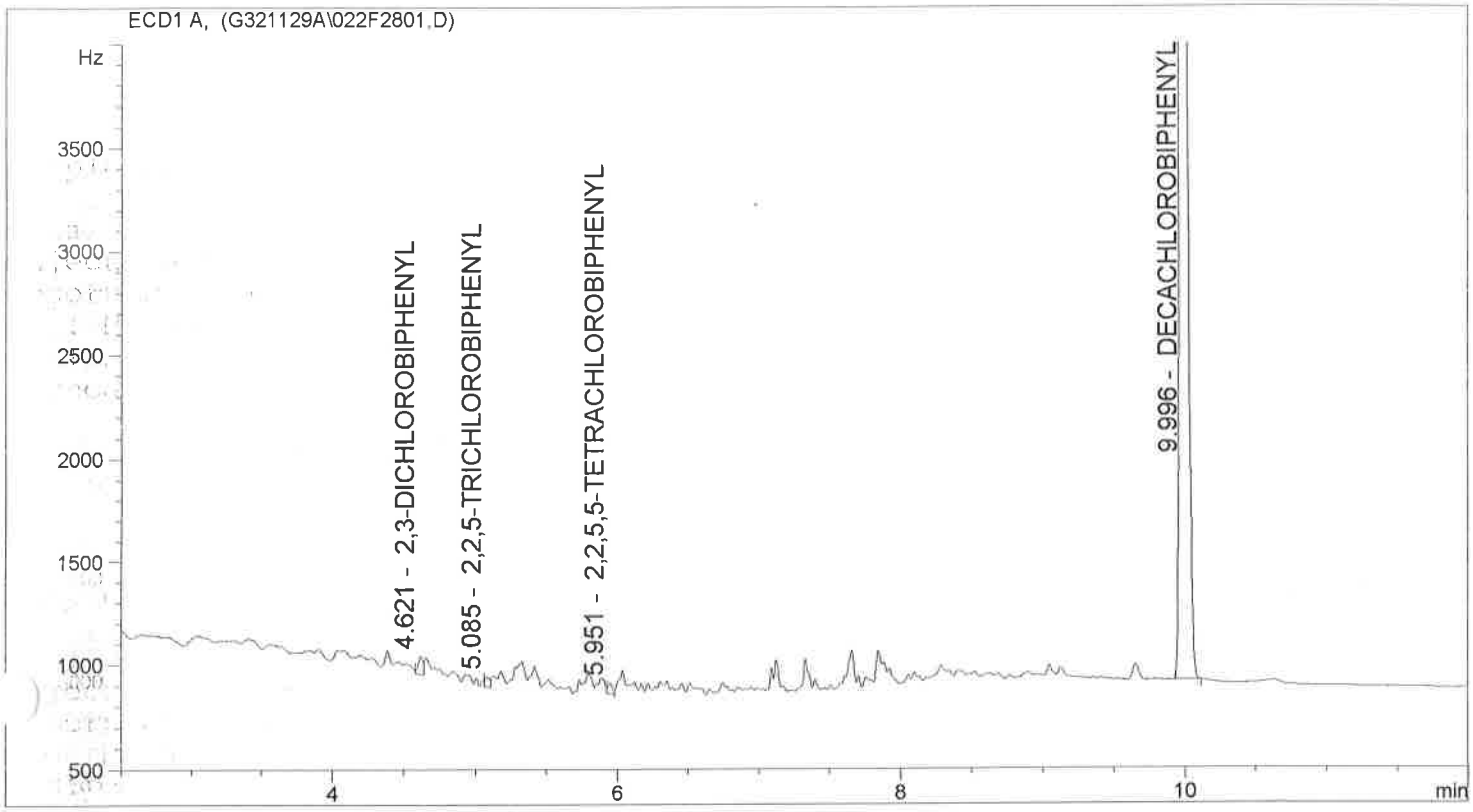
Sample Name : METHOD BLK 1 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\021F2701.D
Injection Date : 11/29/2018 9:22:04 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:42:20 AM Vial No. : 21
Eq. Method : CONF18C.M Sample Amt. : 2.5400
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	4.622	2,3-DICHLOROBIPHENYL	196.4
5.076	5.084	2,2,5-TRICHLOROBIPHENYL	87.9
5.589	5.605	2,4,5-TRICHLOROBIPHENYL	64.6
5.942	5.951	2,2,5,5-TETRACHLOROBIPHENYL	125.1
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	10.001	DECACHLOROBIPHENYL	30471.9

Comments: _____

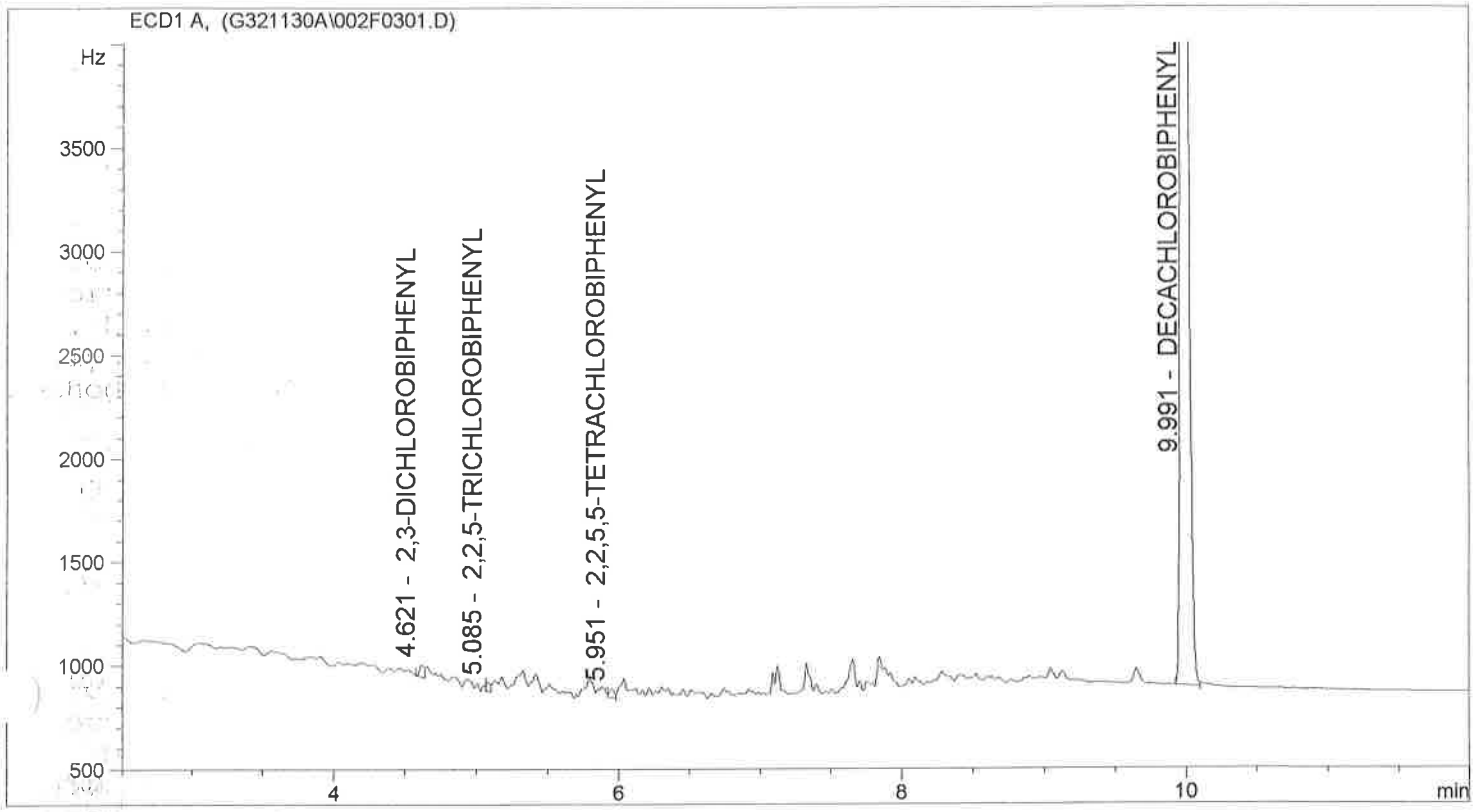
Sample Name : METHOD BLK 2 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\022F2801.D
Injection Date : 11/29/2018 9:37:10 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:46:28 AM Vial No. : 22
Inj. Method : CONF18C.M Sample Amt. : 2.5578
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	4.621	2,3-DICHLOROBIPHENYL	195.0
5.076	5.085	2,2,5-TRICHLOROBIPHENYL	104.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	5.951	2,2,5,5-TETRACHLOROBIPHENYL	117.5
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.996	DECACHLOROBIPHENYL	30086.8

Comments: _____

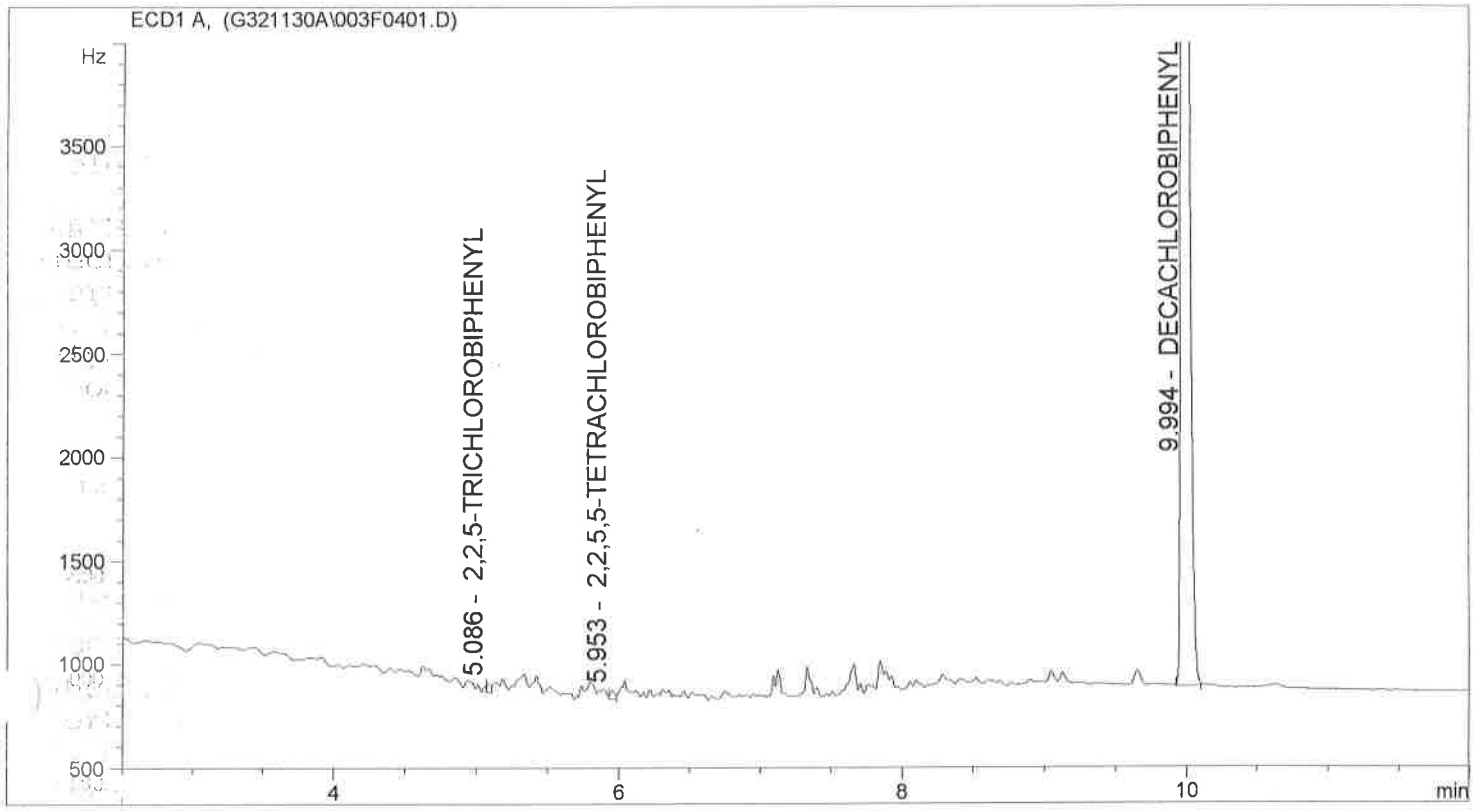
Sample Name : METHOD BLK 1 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\002F0301.D
Injection Date : 11/30/2018 2:16:12 PM Analyst ID. : NK ML AH
Report Created : 12/7/201812:16:38 PM Vial No. : 2
Req. Method : CONF18C.M Sample Amt. : 2.5569
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	4.621	2,3-DICHLOROBIPHENYL	124.3
5.076	5.085	2,2,5-TRICHLOROBIPHENYL	83.9
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	5.951	2,2,5,5-TETRACHLOROBIPHENYL	96.7
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.991	DECACHLOROBIPHENYL	28894.0

Comments: _____

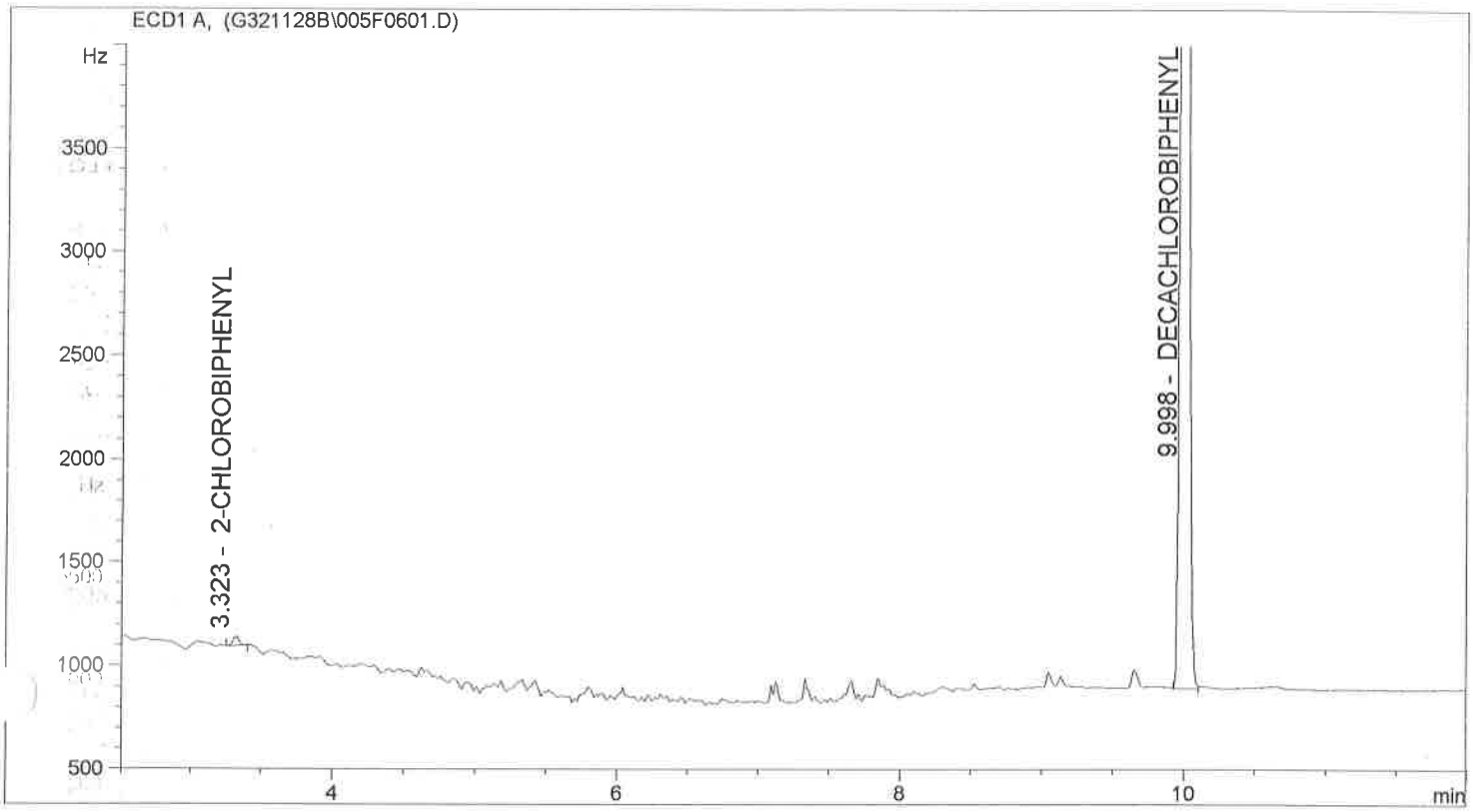
Sample Name : METHOD BLK 2 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\003F0401.D
Injection Date : 11/30/2018 2:31:28 PM Analyst ID. : NK ML AH
Report Created : 12/7/201812:18:22 PM Vial No. : 3
Inj. Method : CONF18C.M Sample Amt. : 2.5298
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	5.086	2,2,5-TRICHLOROBIPHENYL	82.9
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	5.953	2,2,5,5-TETRACHLOROBIPHENYL	103.4
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.994	DECACHLOROBIPHENYL	29058.4

Comments: _____

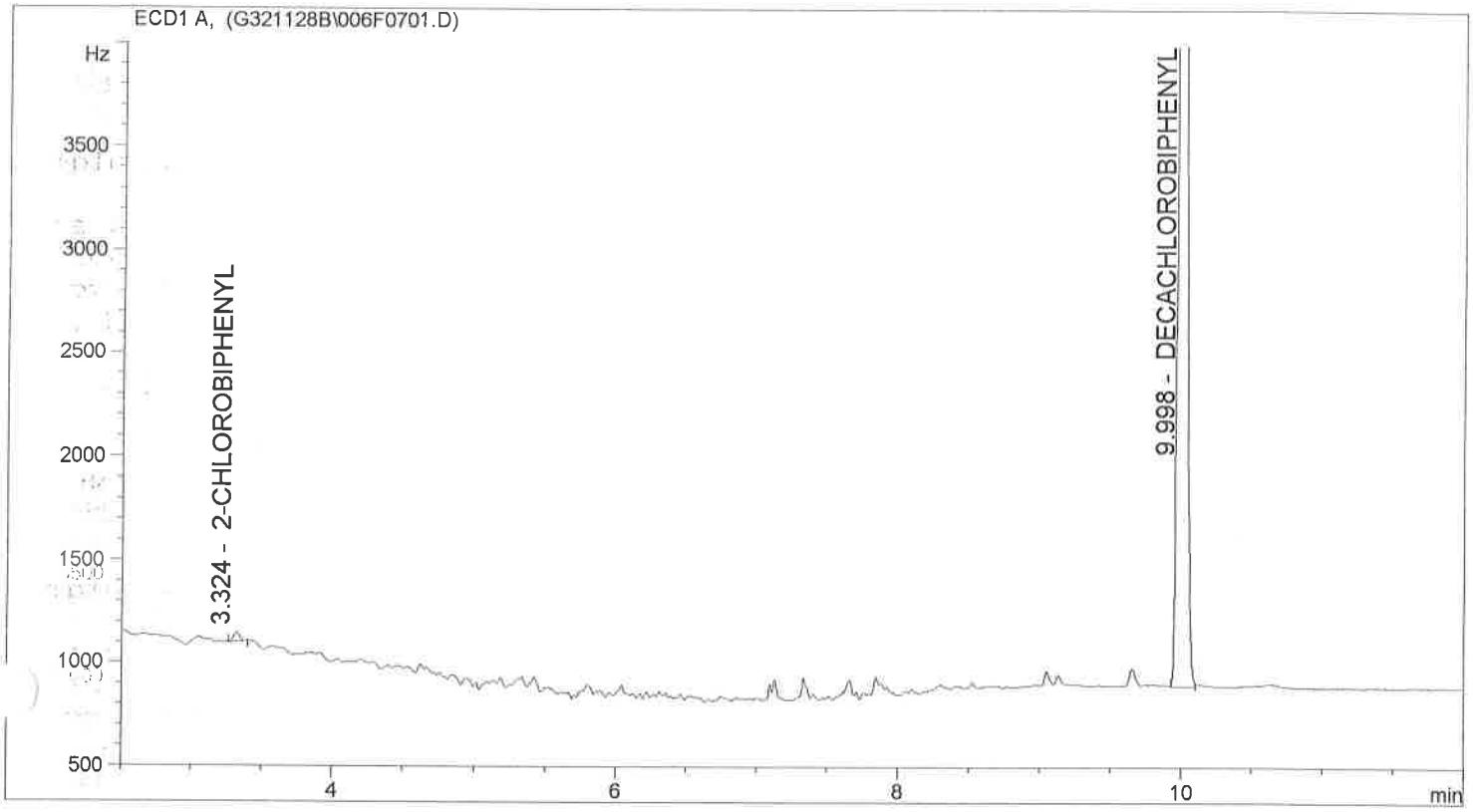
Sample Name : 2PCBS-755 A Inst. GC #32F - Congener Analysis
DAY 1 0.073PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\005F0601.D
Injection Date : 11/28/2018 2:39:53 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:09:54 PM Vial No. : 5
Eq. Method : CONF18B.M Sample Amt. : 2.5487
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.323	2-CHLOROBIPHENYL	129.9
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.998	DECACHLOROBIPHENYL	34160.3

Comments: _____

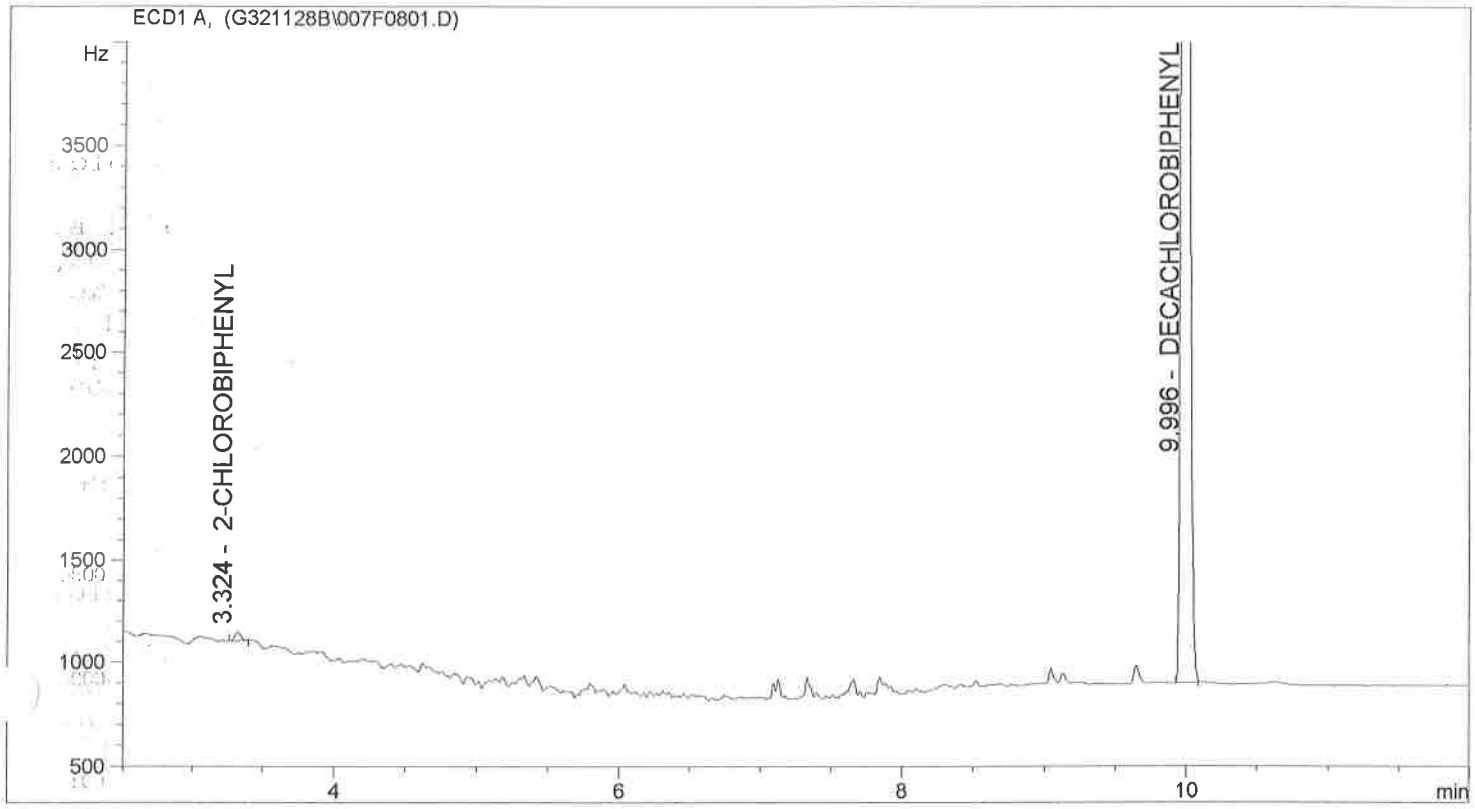
Sample Name : 2PCBS-755 B Inst. GC #32F - Congener Analysis
DAY 1 0.073PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\006F0701.D
Injection Date : 11/28/2018 2:55:00 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:11:13 PM Vial No. : 6
Seq. Method : CONF18B.M Sample Amt. : 2.5604
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.324	2-CHLOROBIPHENYL	120.8
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.998	DECACHLOROBIPHENYL	33259.1

Comments: _____

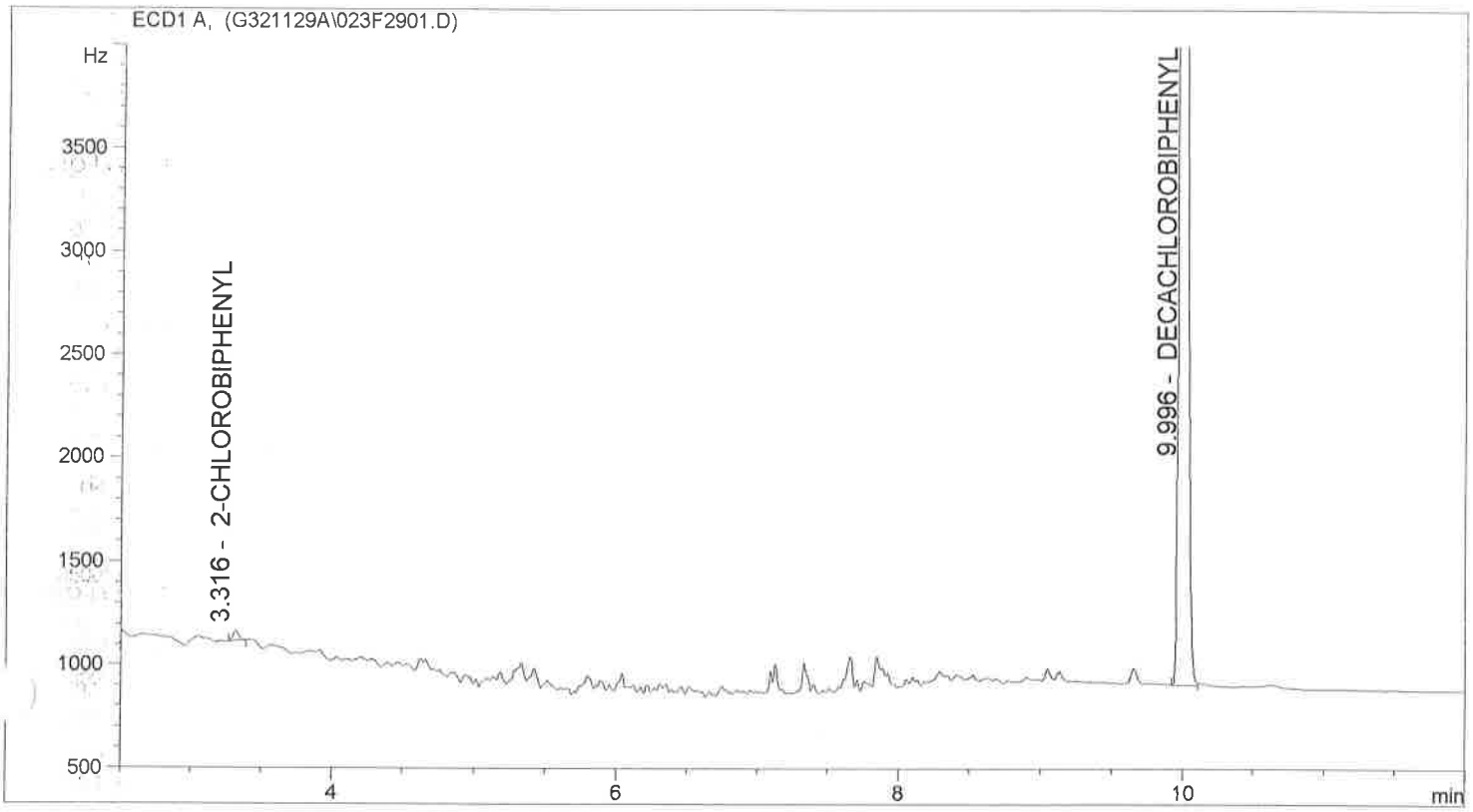
Sample Name : 2PCBS-755 C Inst. GC #32F - Congener Analysis
DAY 1 0.073PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\007F0801.D
Injection Date : 11/28/2018 3:10:08 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:12:24 PM Vial No. : 7
Seq. Method : CONF18B.M Sample Amt. : 2.5344
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.324	2-CHLOROBIPHENYL	113.2
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.996	DECACHLOROBIPHENYL	33167.1

Comments: _____

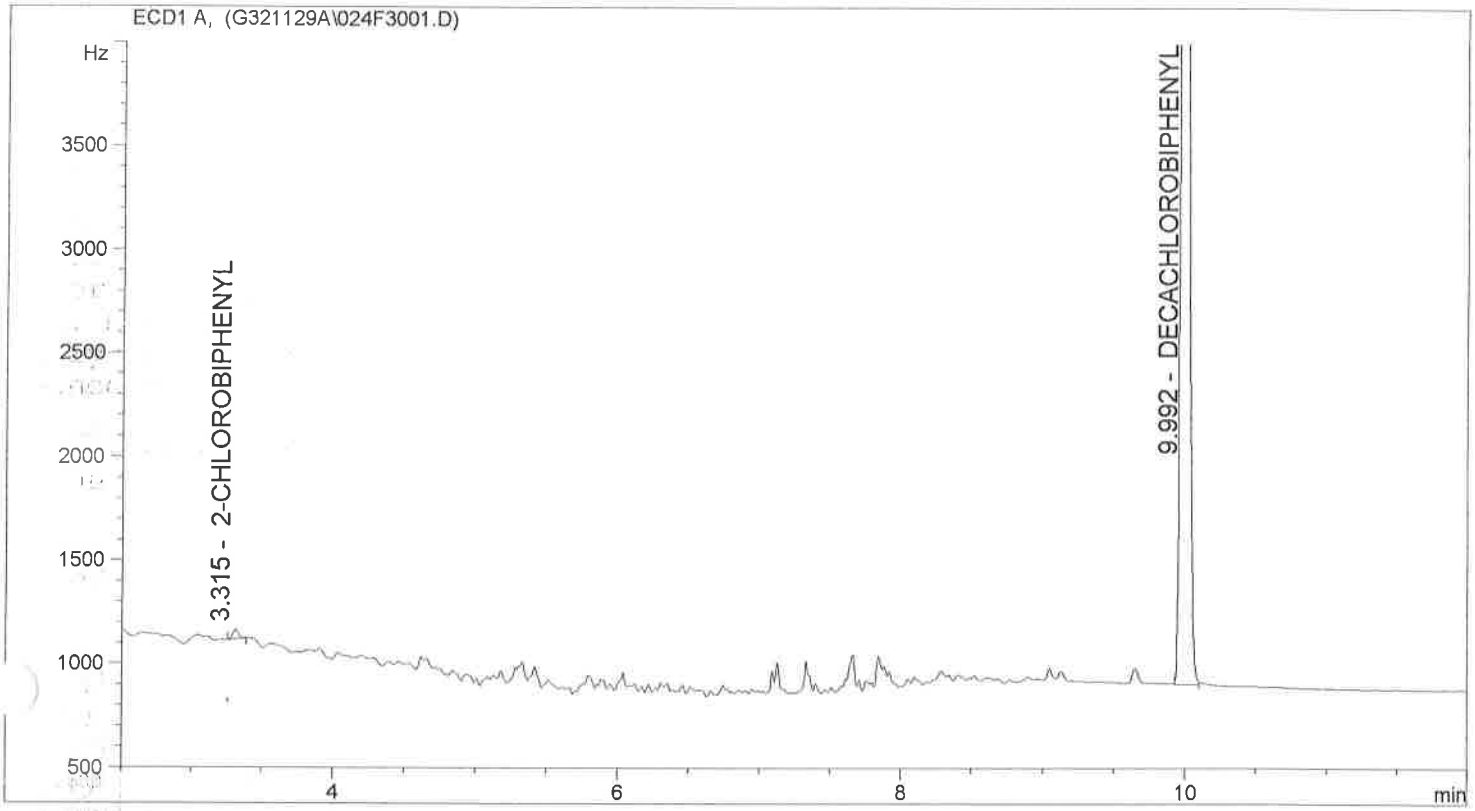
Sample Name : 2PCBS-755 D Inst. GC #32F - Congener Analysis
DAY 2 0.073PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\023F2901.D
Injection Date : 11/29/2018 9:52:17 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:47:56 AM Vial No. : 23
Eq. Method : CONF18C.M Sample Amt. : 2.5649
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.316	2-CHLOROBIPHENYL	120.2
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.996	DECACHLOROBIPHENYL	30253.0

Comments: _____

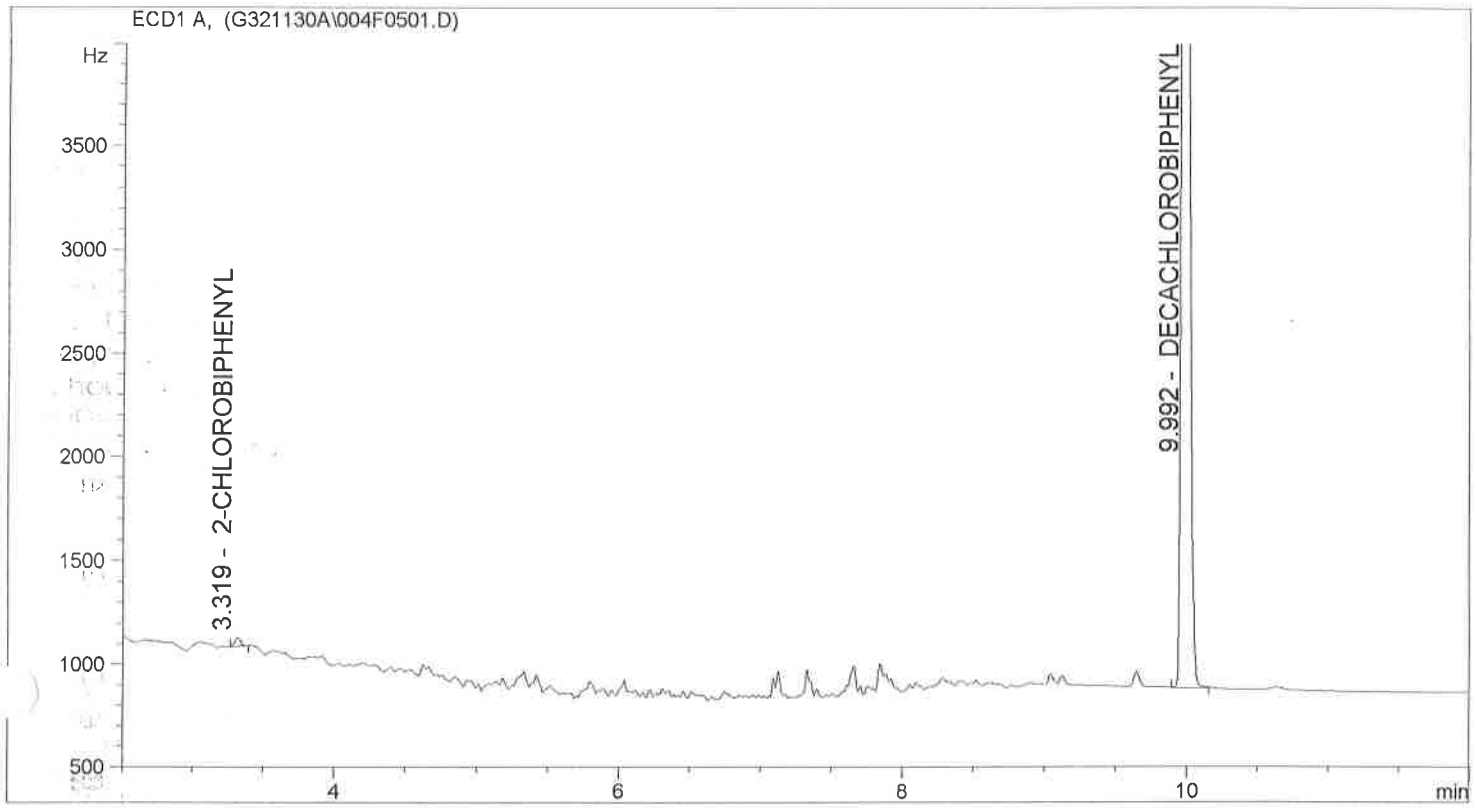
Sample Name : 2PCBS-755 E Inst. GC #32F - Congener Analysis
DAY 2 0.073PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\024F3001.D
Injection Date : 11/29/2018 10:07:-> Analyst ID. : NK ML AH
Report Created : 12/7/201811:48:45 AM Vial No. : 24
Seq. Method : CONF18C.M Sample Amt. : 2.5098
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.315	2-CHLOROBIPHENYL	118.7
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.992	DECACHLOROBIPHENYL	29781.5

Comments: _____

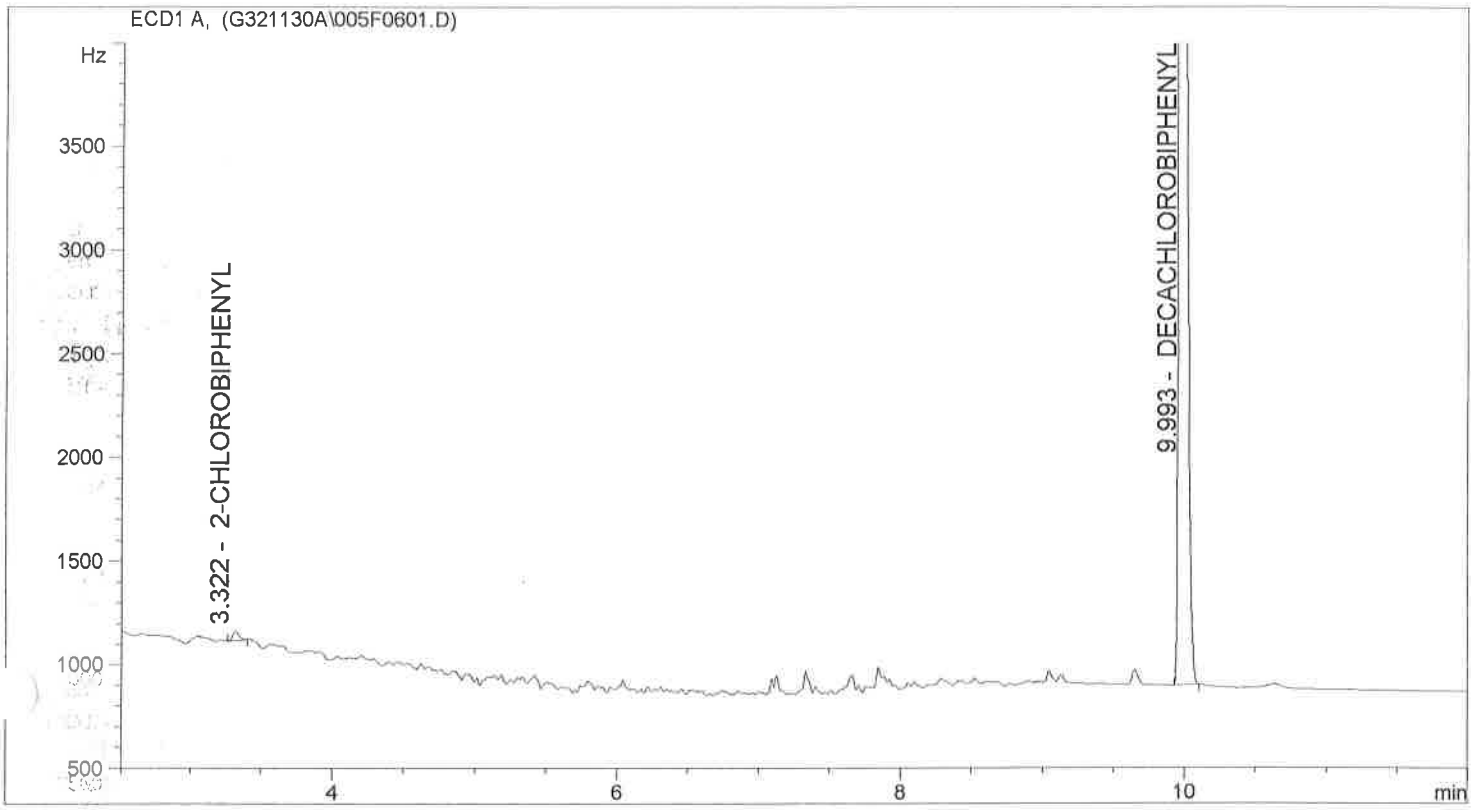
Sample Name : 2PCBS-755 F Inst. GC #32F - Congener Analysis
DAY 3 0.073PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\004F0501.D
Injection Date : 11/30/2018 2:46:34 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:57:14 PM Vial No. : 4
Eq. Method : CONF18C.M Sample Amt. : 2.5408
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.319	2-CHLOROBIPHENYL	118.9
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.992	DECACHLOROBIPHENYL	28420.0

Comments: _____

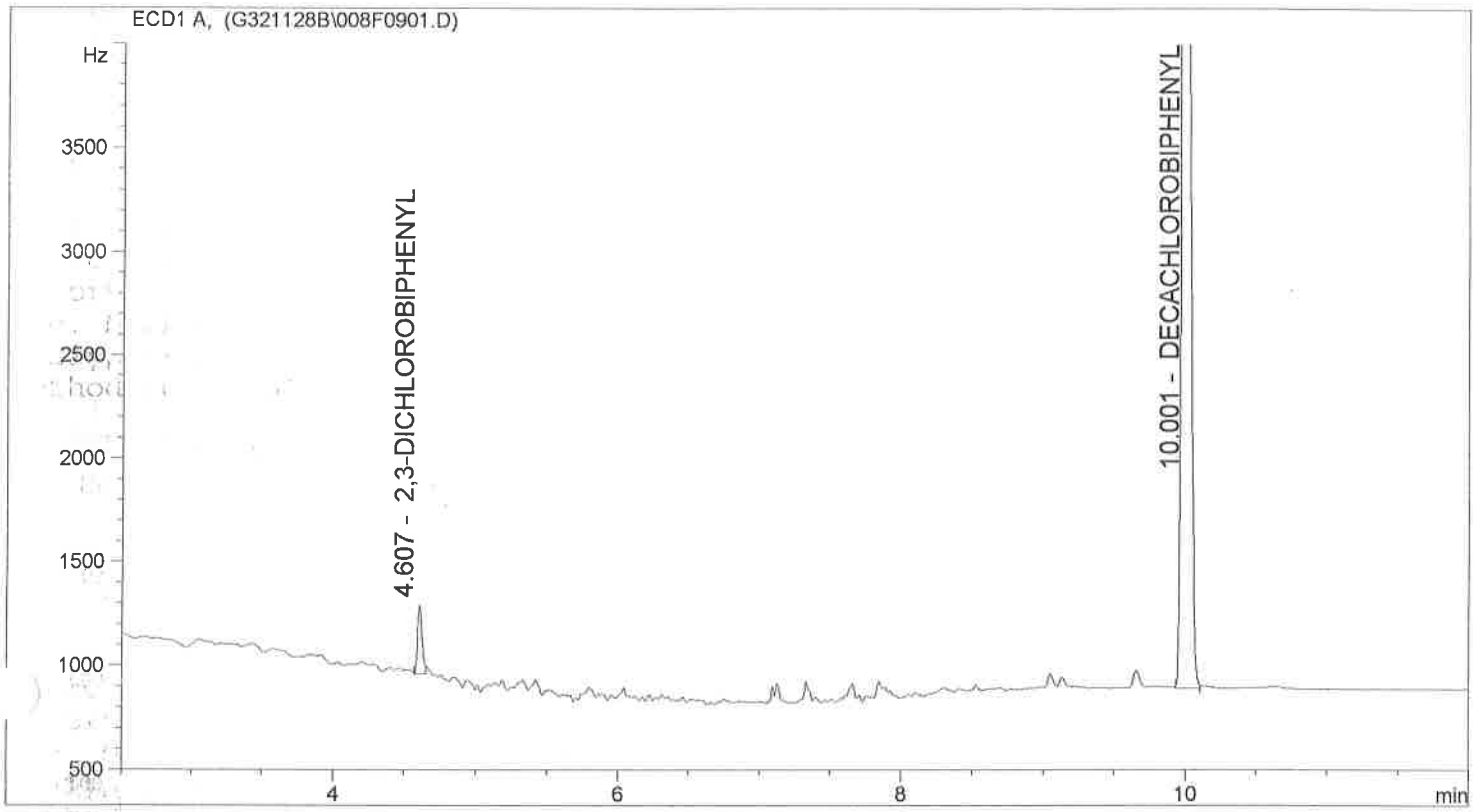
Sample Name : 2PCBS-755 G Inst. GC #32F - Congener Analysis
DAY 3 0.073PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\005F0601.D
Injection Date : 11/30/2018 3:01:41 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:58:10 PM Vial No. : 5
Req. Method : CONF18C.M Sample Amt. : 2.5264
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.322	2-CHLOROBIPHENYL	136.2
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.993	DECACHLOROBIPHENYL	28958.3

Comments: _____

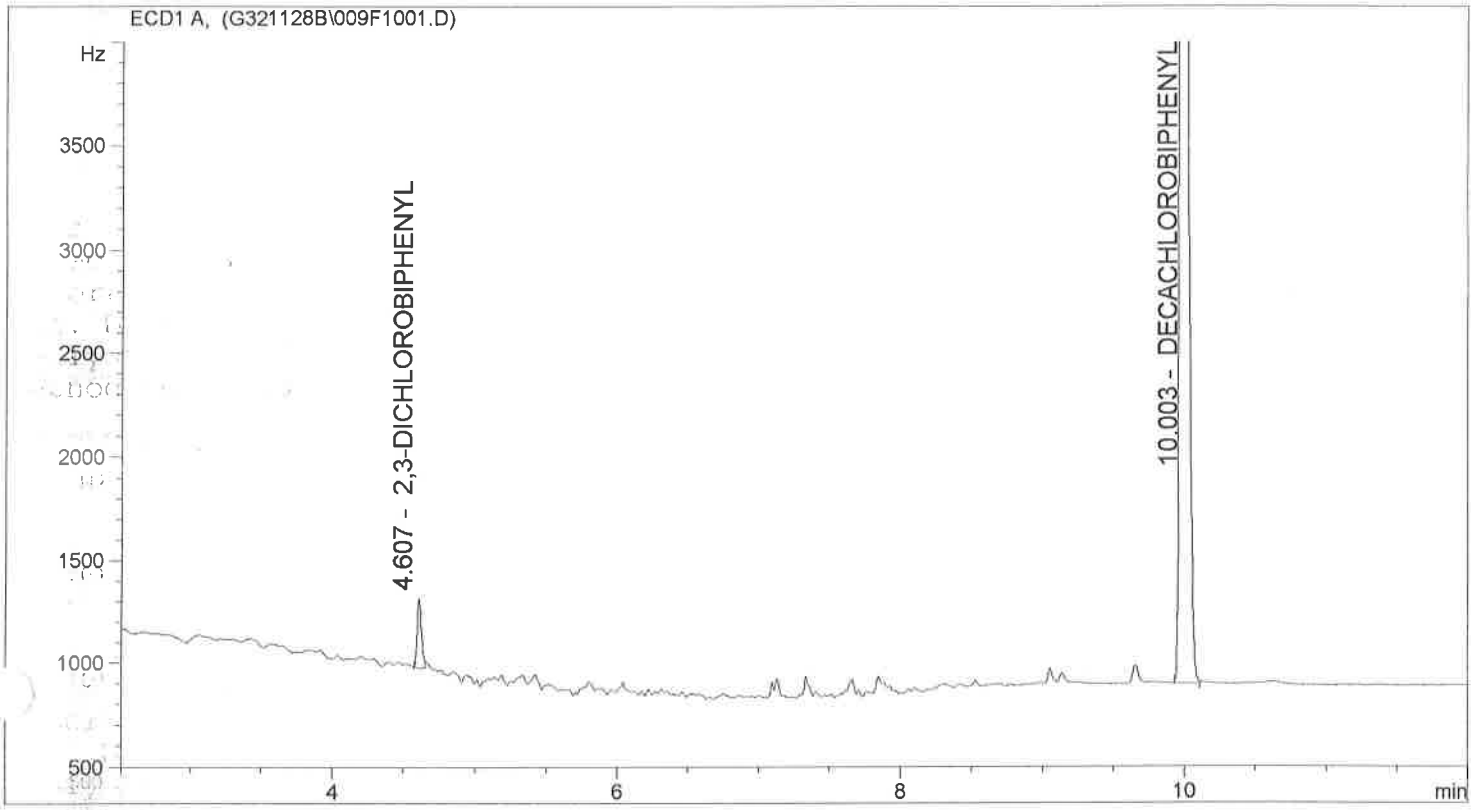
Sample Name : 2PCBS-756 A Inst. GC #32F - Congener Analysis
DAY 1 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\008F0901.D
Injection Date : 11/28/2018 3:25:23 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:15:10 PM Vial No. : 8
Seq. Method : CONF18B.M Sample Amt. : 2.5461
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	4.607	2,3-DICHLOROBIPHENYL	719.4
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	10.001	DECACHLOROBIPHENYL	34244.7

Comments: _____

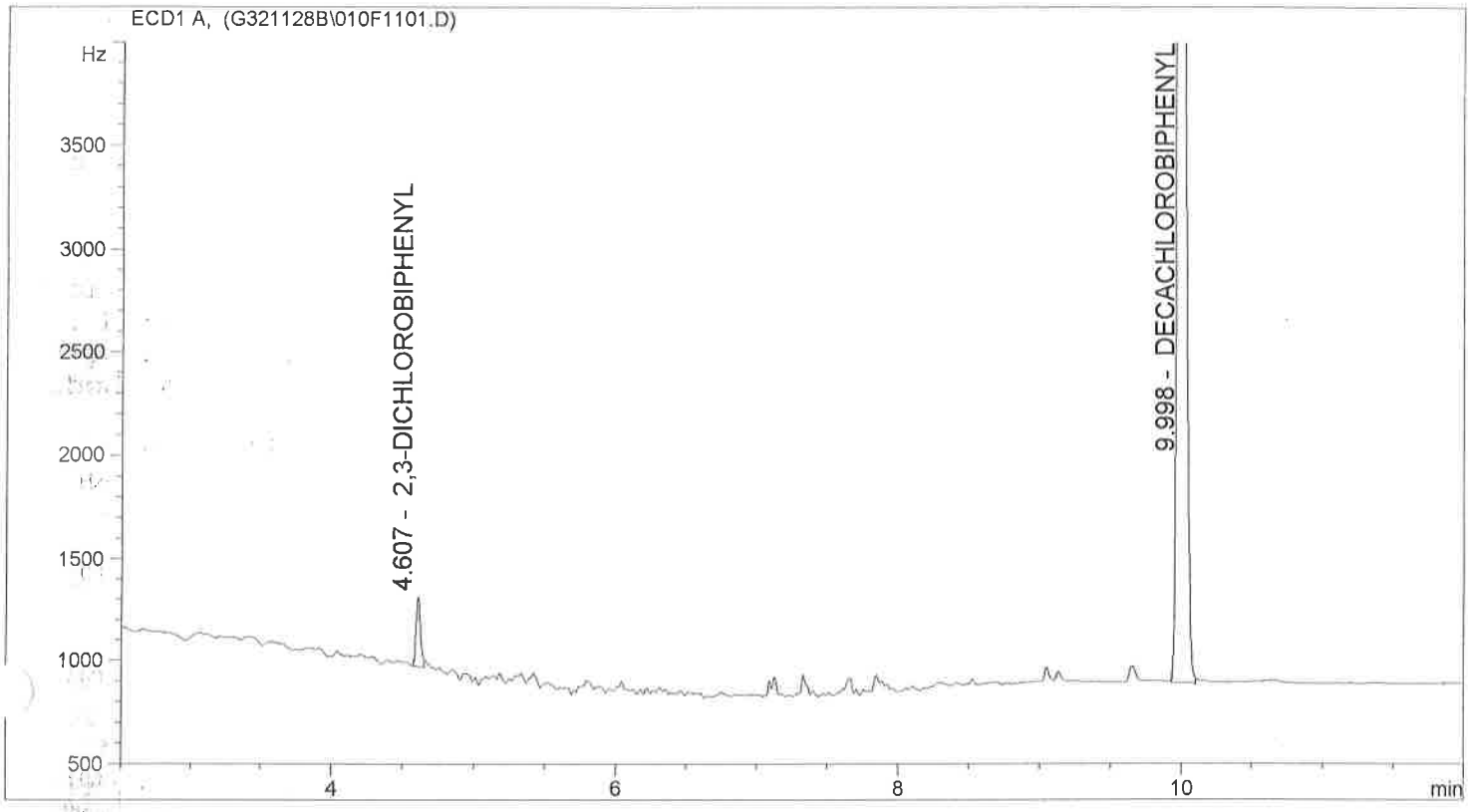
Sample Name : 2PCBS-756 B Inst. GC #32F - Congener Analysis
DAY 1 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\009F1001.D
Injection Date : 11/28/2018 3:41:39 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:17:35 PM Vial No. : 9
Seq. Method : CONF18C.M Sample Amt. : 2.5470
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	4.607	2,3-DICHLOROBIPHENYL	709.9
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	10.003	DECACHLOROBIPHENYL	33675.5

Comments: _____

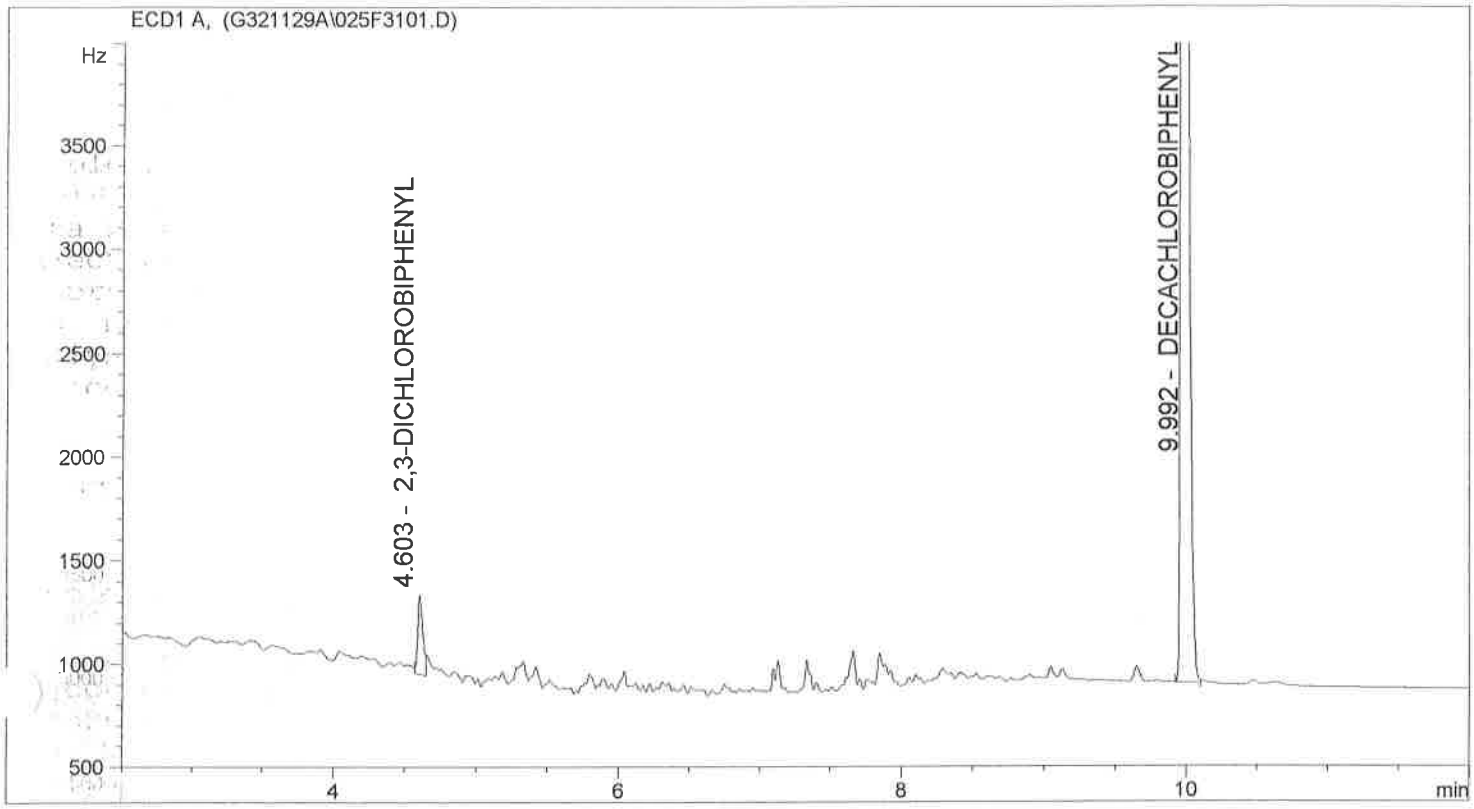
Sample Name : 2PCBS-756 C Inst. GC #32F - Congener Analysis
DAY 1 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\010F1101.D
Injection Date : 11/28/2018 3:56:58 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:20:52 PM Vial No. : 10
Eq. Method : CONF18C.M Sample Amt. : 2.5551
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	4.607	2,3-DICHLOROBIPHENYL	724.7
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.998	DECACHLOROBIPHENYL	33035.8

Comments: _____

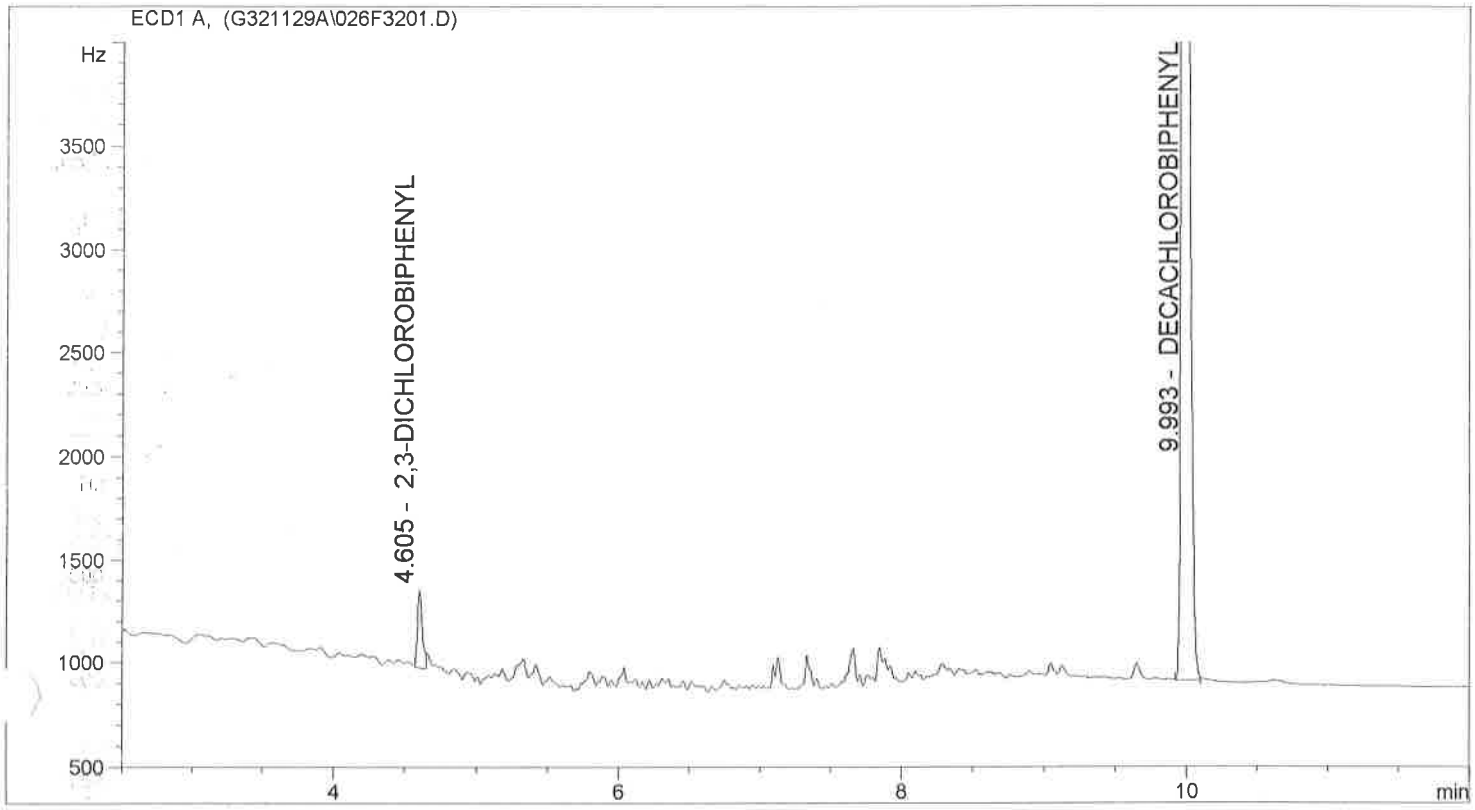
Sample Name : 2PCBS-756 D Inst. GC #32F - Congener Analysis
DAY 2 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\025F3101.D
Injection Date : 11/29/2018 10:22:-> Analyst ID. : NK ML AH
Report Created : 12/7/201811:51:09 AM Vial No. : 25
Req. Method : CONF18C.M Sample Amt. : 2.5421
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	4.603	2,3-DICHLOROBIPHENYL	938.7
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.992	DECACHLOROBIPHENYL	29873.2

Comments: _____

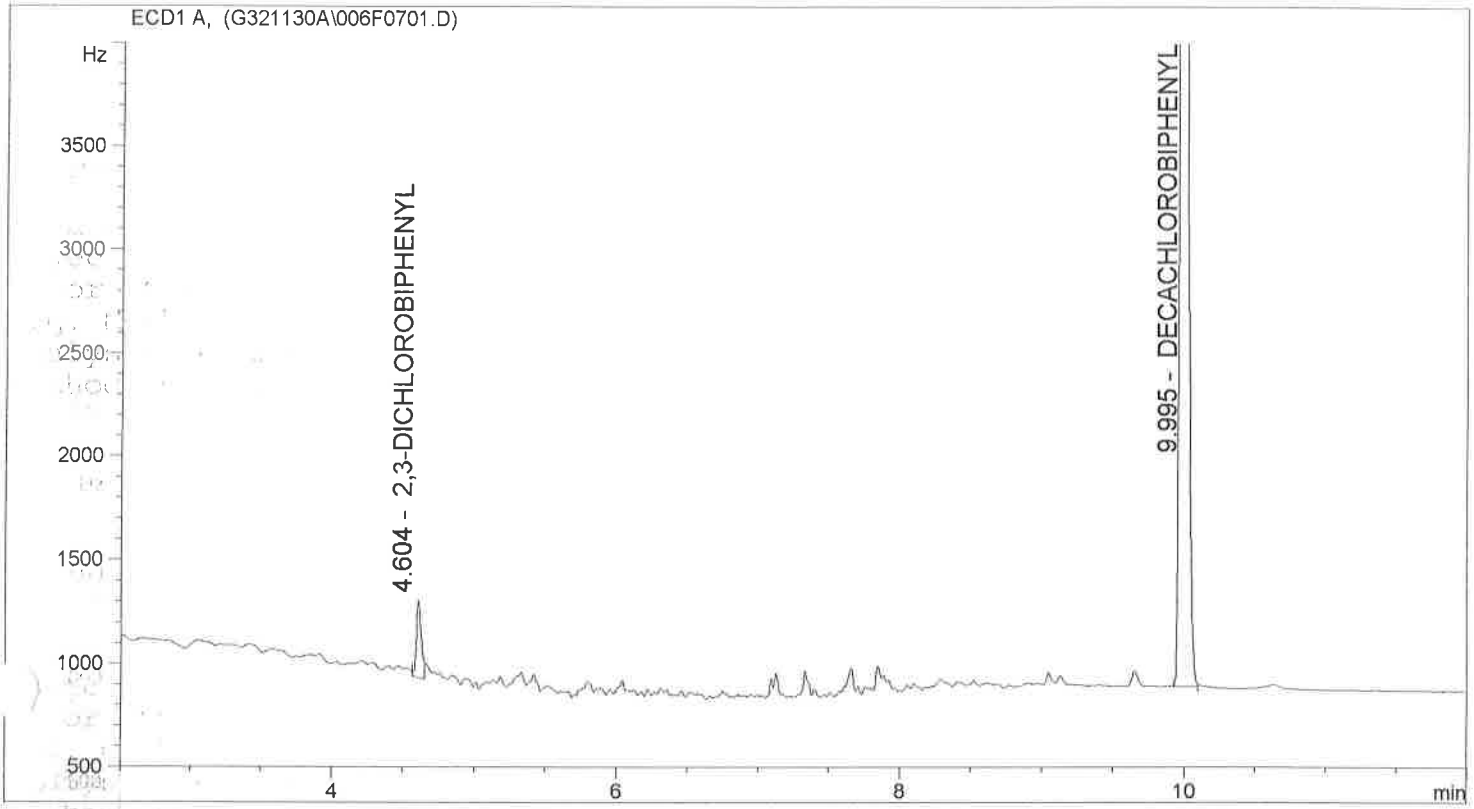
Sample Name : 2PCBS-756 E Inst. GC #32F - Congener Analysis
DAY 2 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\026F3201.D
Injection Date : 11/29/2018 10:37:-> Analyst ID. : NK ML AH
Report Created : 12/7/201811:51:57 AM Vial No. : 26
Inj. Method : CONF18C.M Sample Amt. : 2.5496
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	4.605	2,3-DICHLOROBIPHENYL	869.3
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.993	DECACHLOROBIPHENYL	30070.9

Comments: _____

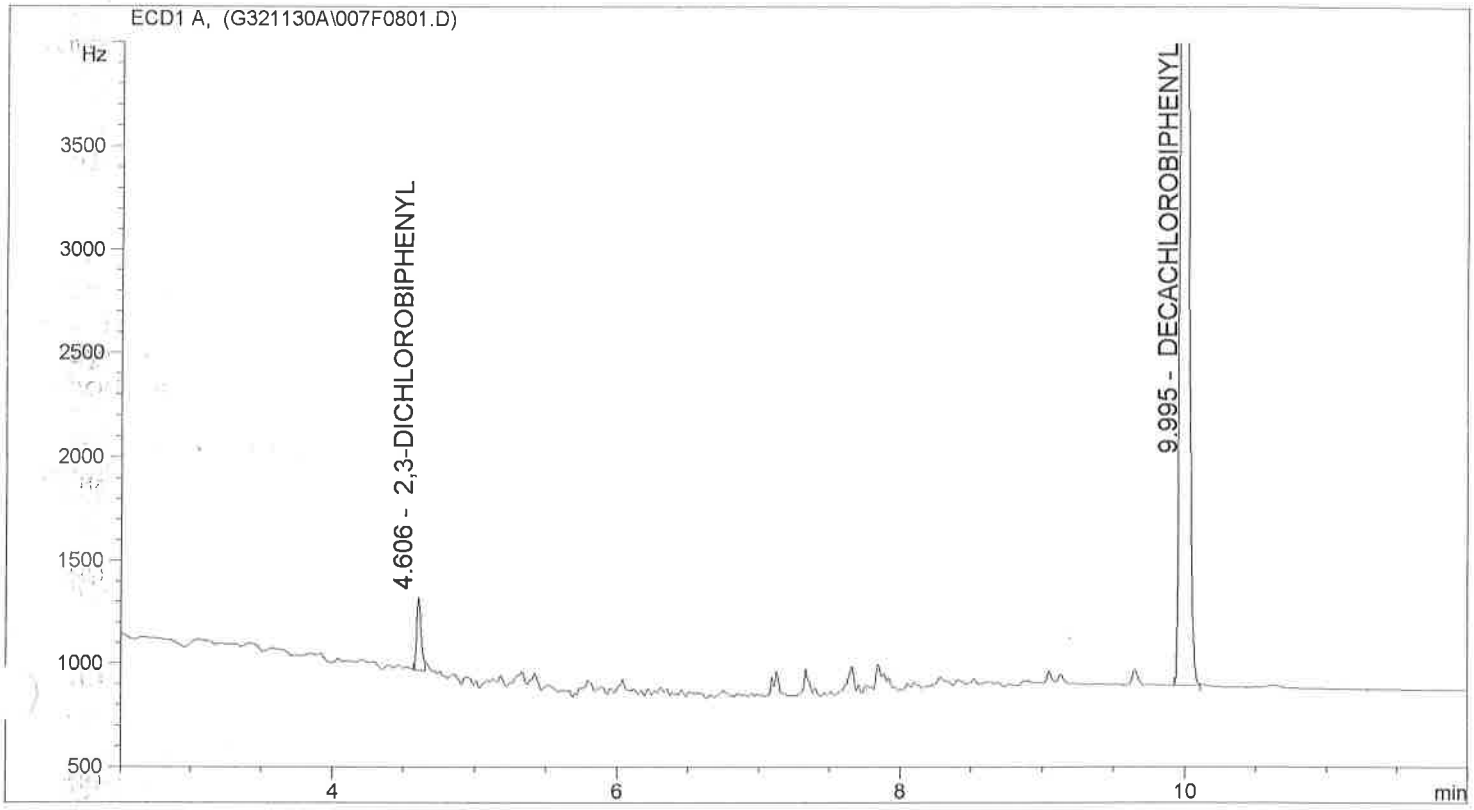
Sample Name : 2PCBS-756 F Inst. GC #32F - Congener Analysis
DAY 3 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\006F0701.D
Injection Date : 11/30/2018 3:16:48 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:59:22 PM Vial No. : 6
Seq. Method : CONF18C.M Sample Amt. : 2.5536
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	4.604	2,3-DICHLOROBIPHENYL	893.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.995	DECACHLOROBIPHENYL	28923.2

Comments: _____

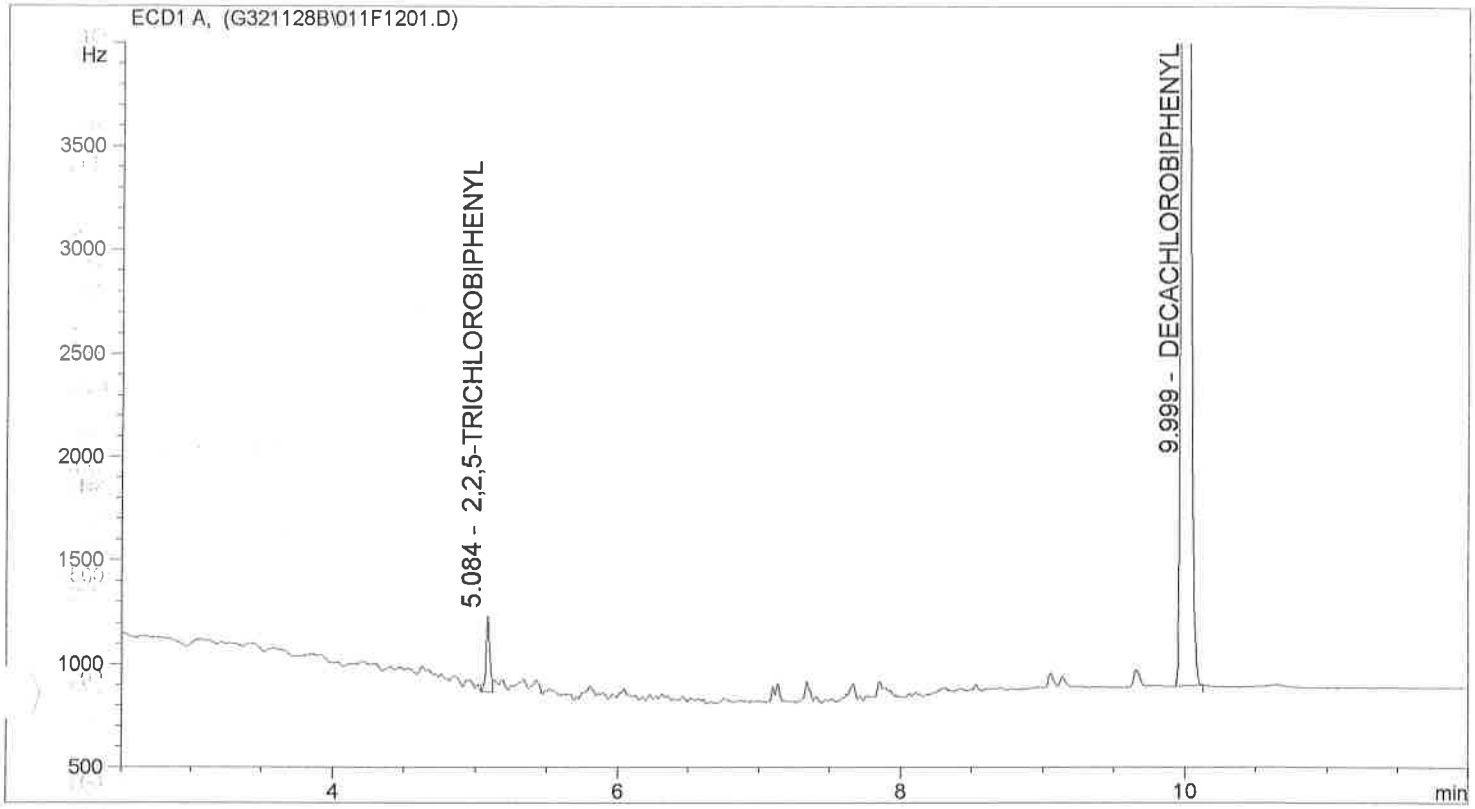
Sample Name : 2PCBS-756 G Inst. GC #32F - Congener Analysis
DAY 3 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\007F0801.D
Injection Date : 11/30/2018 3:31:55 PM Analyst ID. : NK ML AH
Report Created : 12/4/2018 1:00:31 PM Vial No. : 7
Eq. Method : CONF18C.M Sample Amt. : 2.5497
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	4.606	2,3-DICHLOROBIPHENYL	771.5
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.995	DECACHLOROBIPHENYL	28399.6

Comments: _____

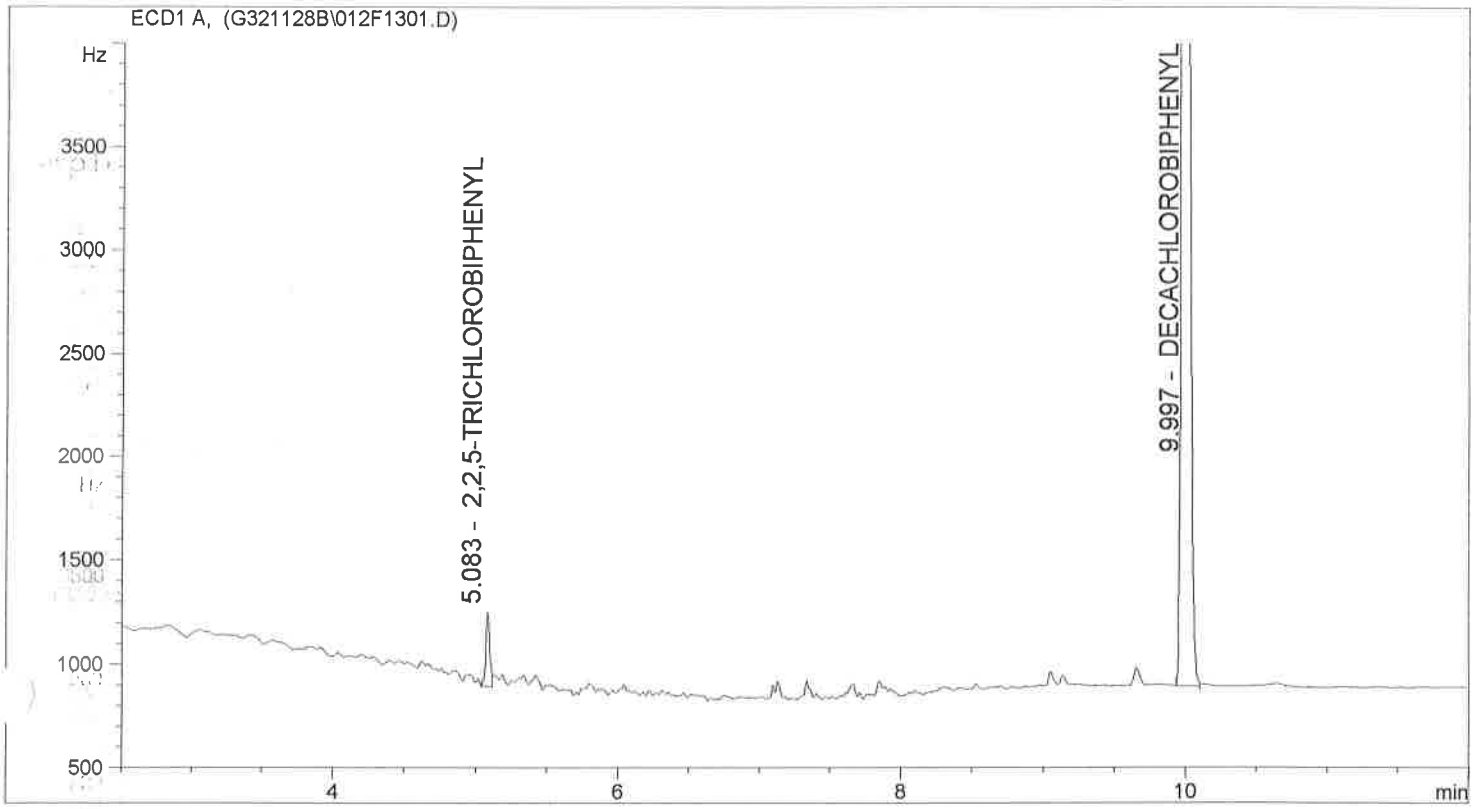
Sample Name : 2PCBS-757 A Inst. GC #32F - Congener Analysis
DAY 1 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\011F1201.D
Injection Date : 11/28/2018 4:12:06 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:22:35 PM Vial No. : 11
Seq. Method : CONF18C.M Sample Amt. : 2.5487
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	5.084	2,2,5-TRICHLOROBIPHENYL	685.4
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.999	DECACHLOROBIPHENYL	34166.2

Comments: _____

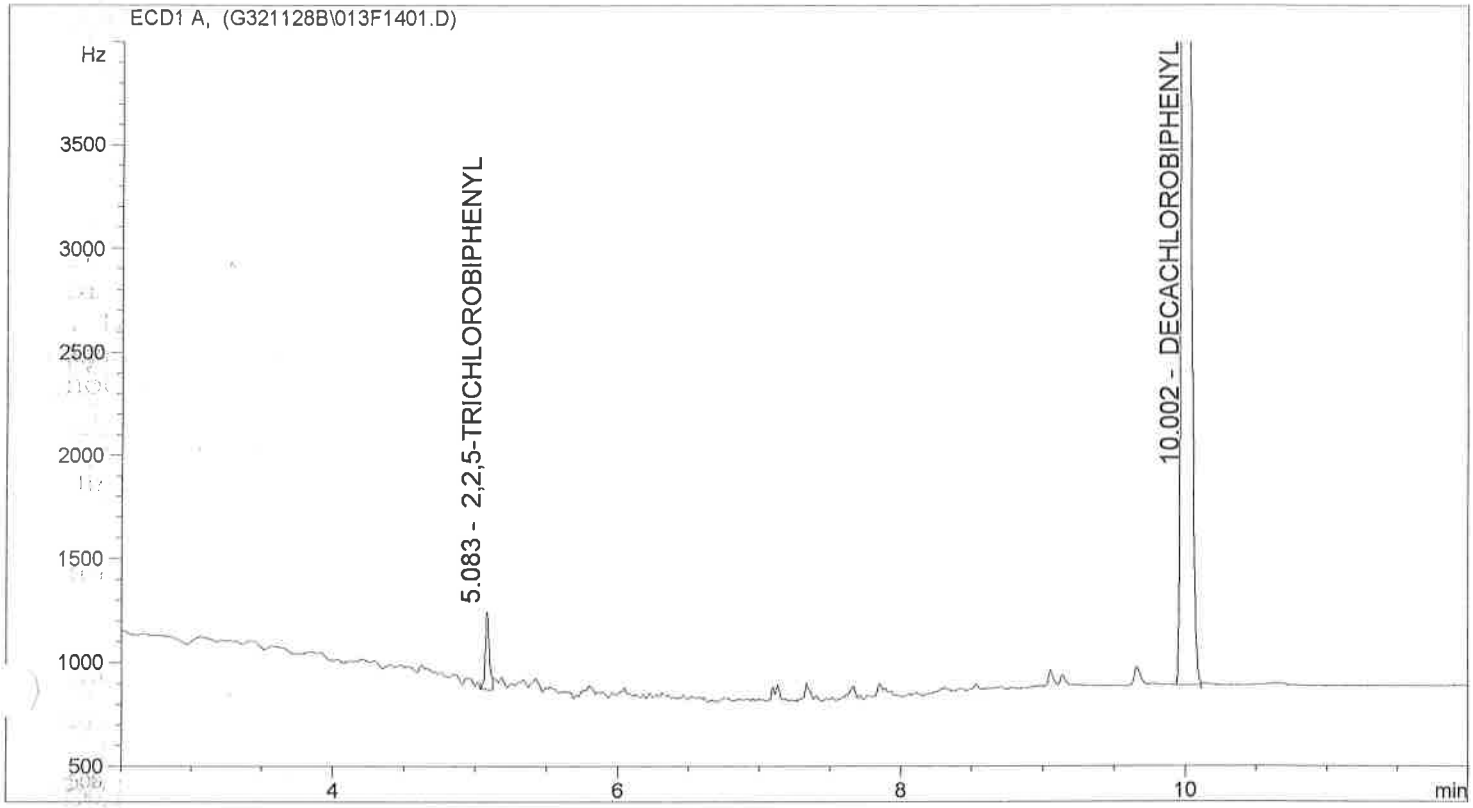
Sample Name : 2PCBS-757 B Inst. GC #32F - Congener Analysis
DAY 1 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\012F1301.D
Injection Date : 11/28/2018 4:27:13 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:23:59 PM Vial No. : 12
Eq. Method : CONF18C.M Sample Amt. : 2.5553
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	5.083	2,2,5-TRICHLOROBIPHENYL	660.8
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.997	DECACHLOROBIPHENYL	33634.2

Comments: _____

Sample Name : 2PCBS-757 C Inst. GC #32F - Congener Analysis
DAY 1 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\013F1401.D
Injection Date : 11/28/2018 4:42:19 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:25:56 PM Vial No. : 13
Req. Method : CONF18C.M Sample Amt. : 2.5440
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000

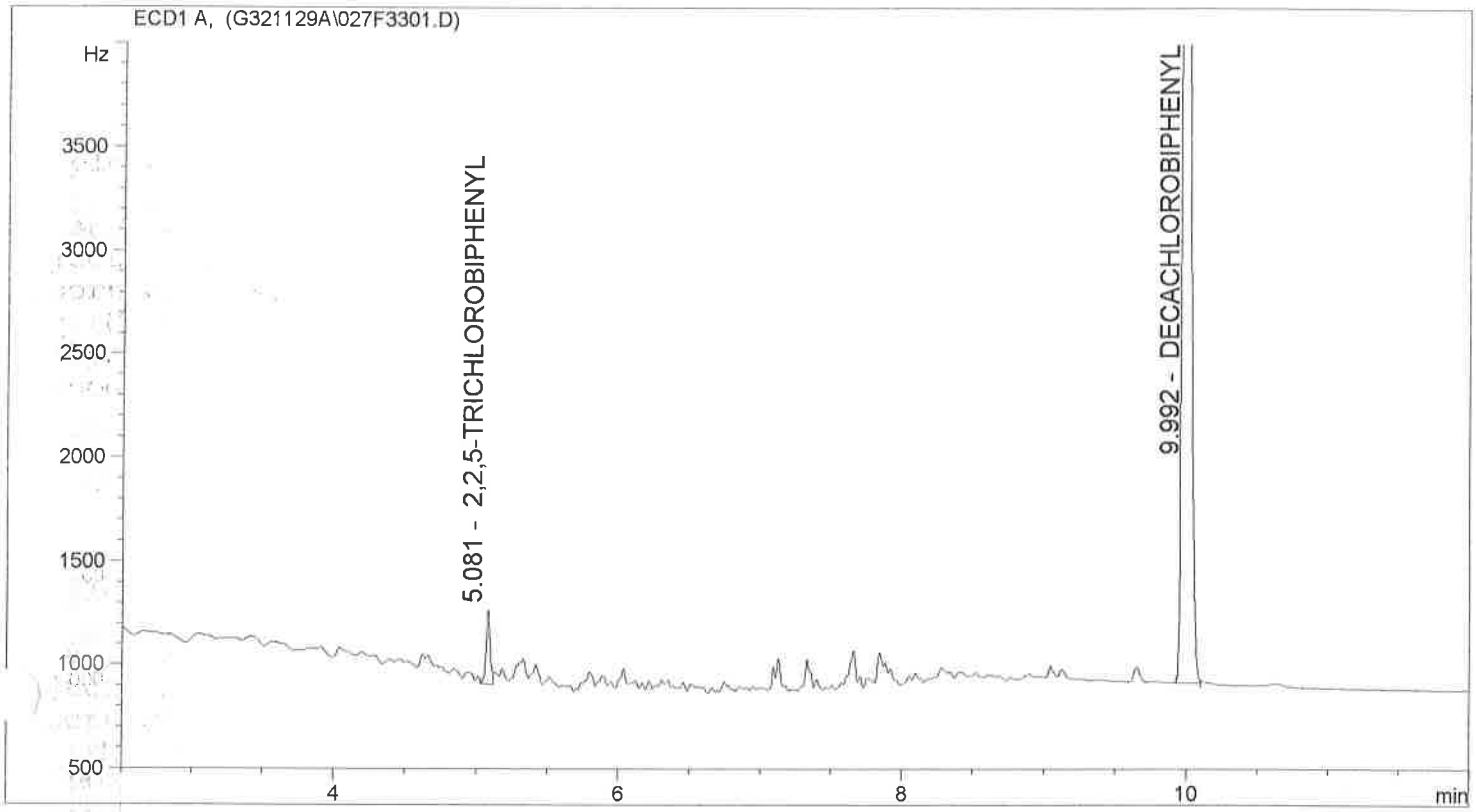


CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	5.083	2,2,5-TRICHLOROBIPHENYL	711.4
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	10.002	DECACHLOROBIPHENYL	35682.6

Comments: _____

Sample Name : 2PCBS-757 D Inst. GC #32F - Congener Analysis
DAY 2 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\027F3301.D
Injection Date : 11/29/2018 10:53:->
Report Created : 12/7/201811:58:15 AM
Seq. Method : CONF18C.M
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M
Method Modified: 12/5/2018 03:26:40 PM

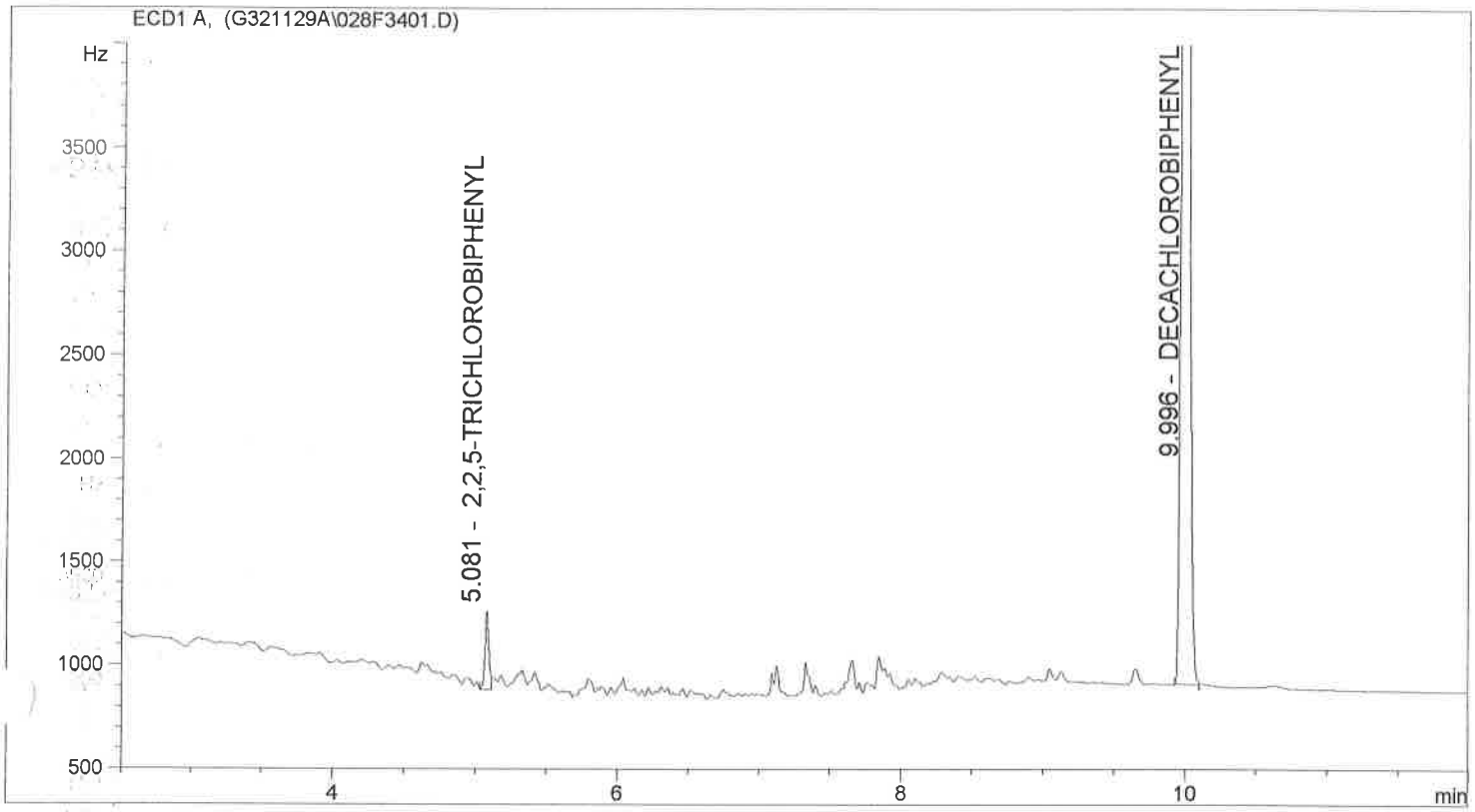
Analyst ID. : NK ML AH
Vial No. : 27
Sample Amt. : 2.5593
Dilution : 1.0000
Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	5.081	2,2,5-TRICHLOROBIPHENYL	696.4
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.992	DECACHLOROBIPHENYL	30073.3

Comments: _____

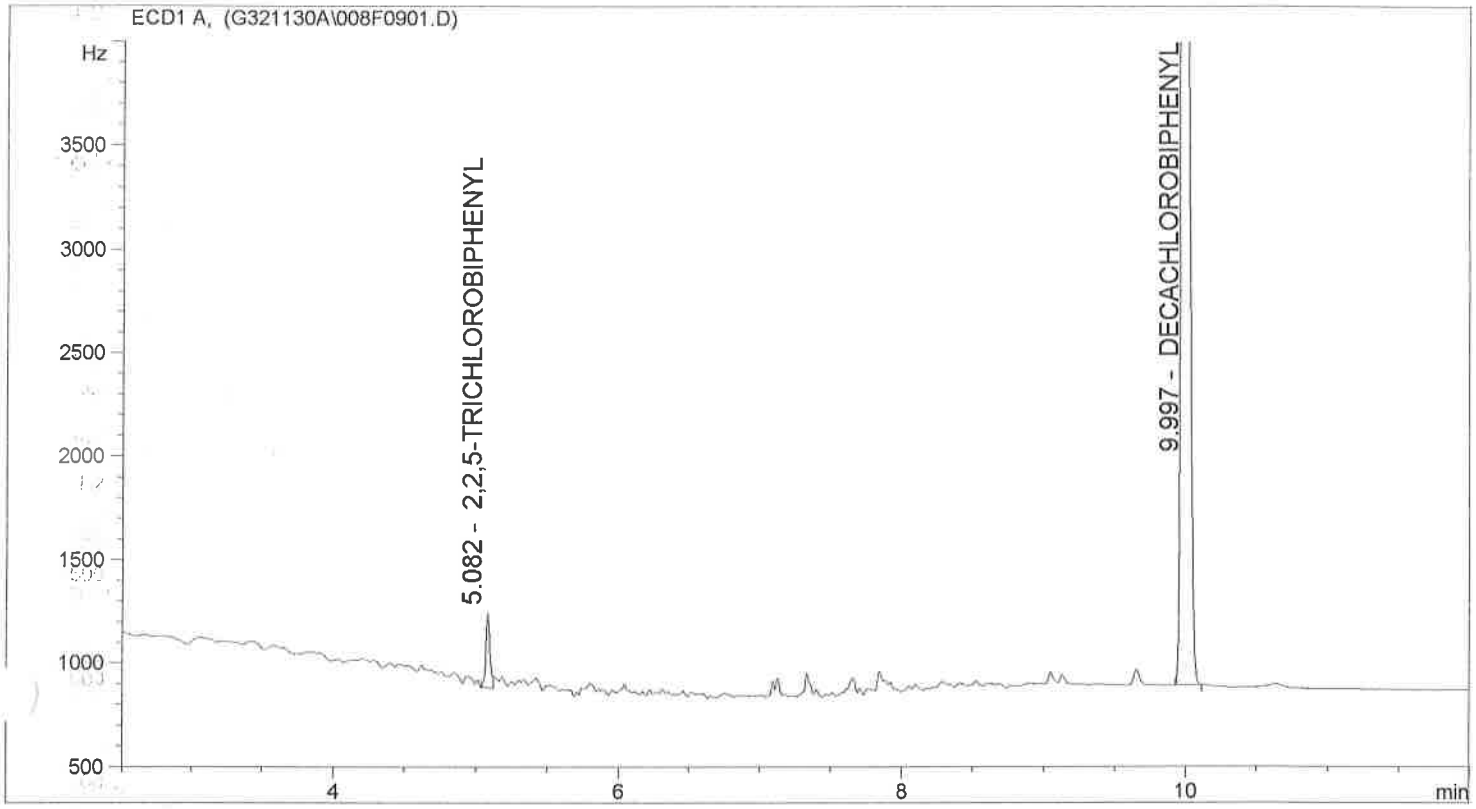
Sample Name : 2PCBS-757 E Inst. GC #32F - Congener Analysis
DAY 2 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\028F3401.D
Injection Date : 11/29/2018 11:08:-> Analyst ID. : NK ML AH
Report Created : 12/7/201811:59:33 AM Vial No. : 28
Eq. Method : CONF18C.M Sample Amt. : 2.5619
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	5.081	2,2,5-TRICHLOROBIPHENYL	715.1
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.996	DECACHLOROBIPHENYL	30108.7

Comments: _____

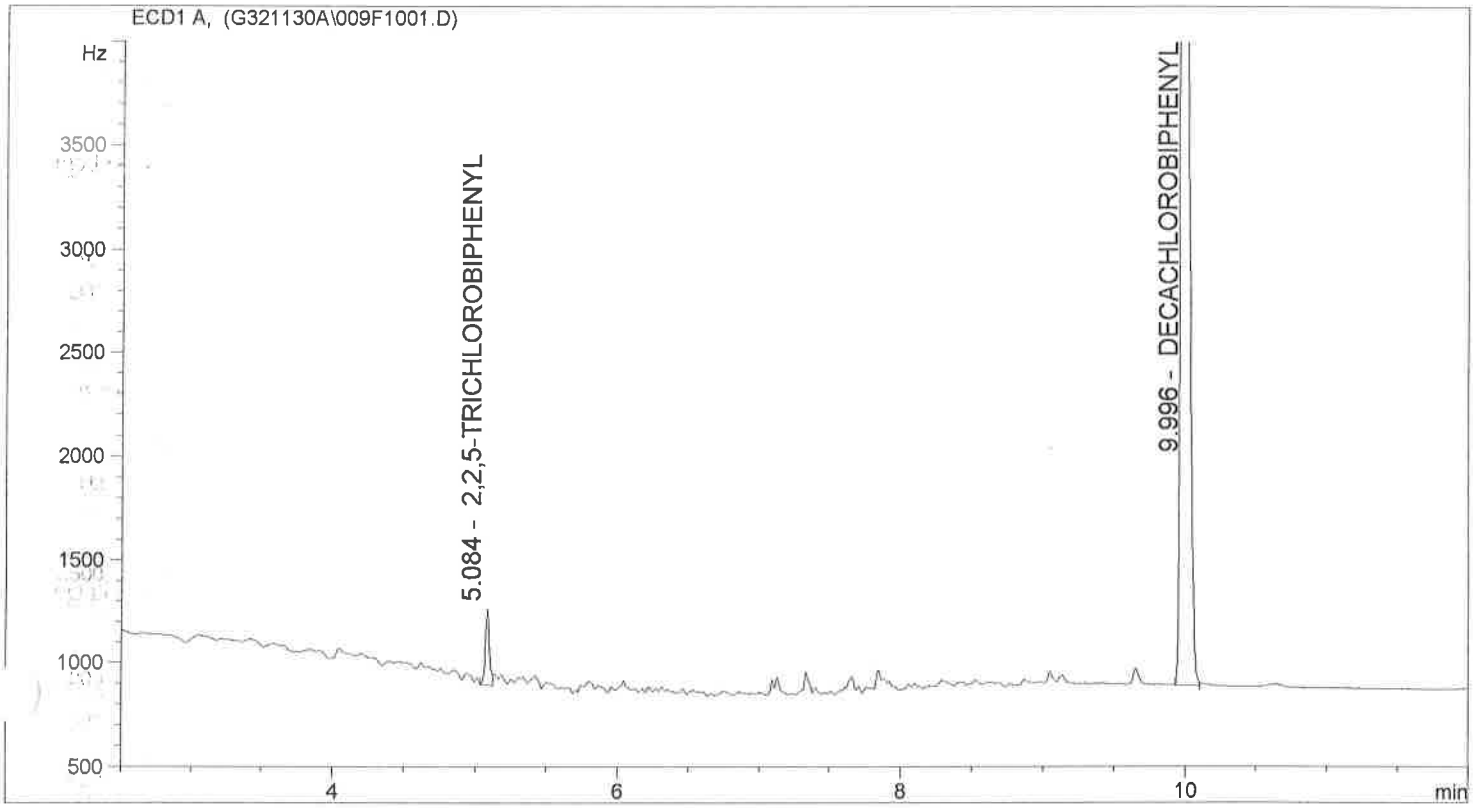
Sample Name : 2PCBS-757 F Inst. GC #32F - Congener Analysis
DAY 3 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\008F0901.D
Injection Date : 11/30/2018 3:47:00 PM Analyst ID. : NK ML AH
Report Created : 12/4/2018 1:01:13 PM Vial No. : 8
Eq. Method : CONF18C.M Sample Amt. : 2.5502
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	5.082	2,2,5-TRICHLOROBIPHENYL	703.3
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.997	DECACHLOROBIPHENYL	29026.8

Comments: _____

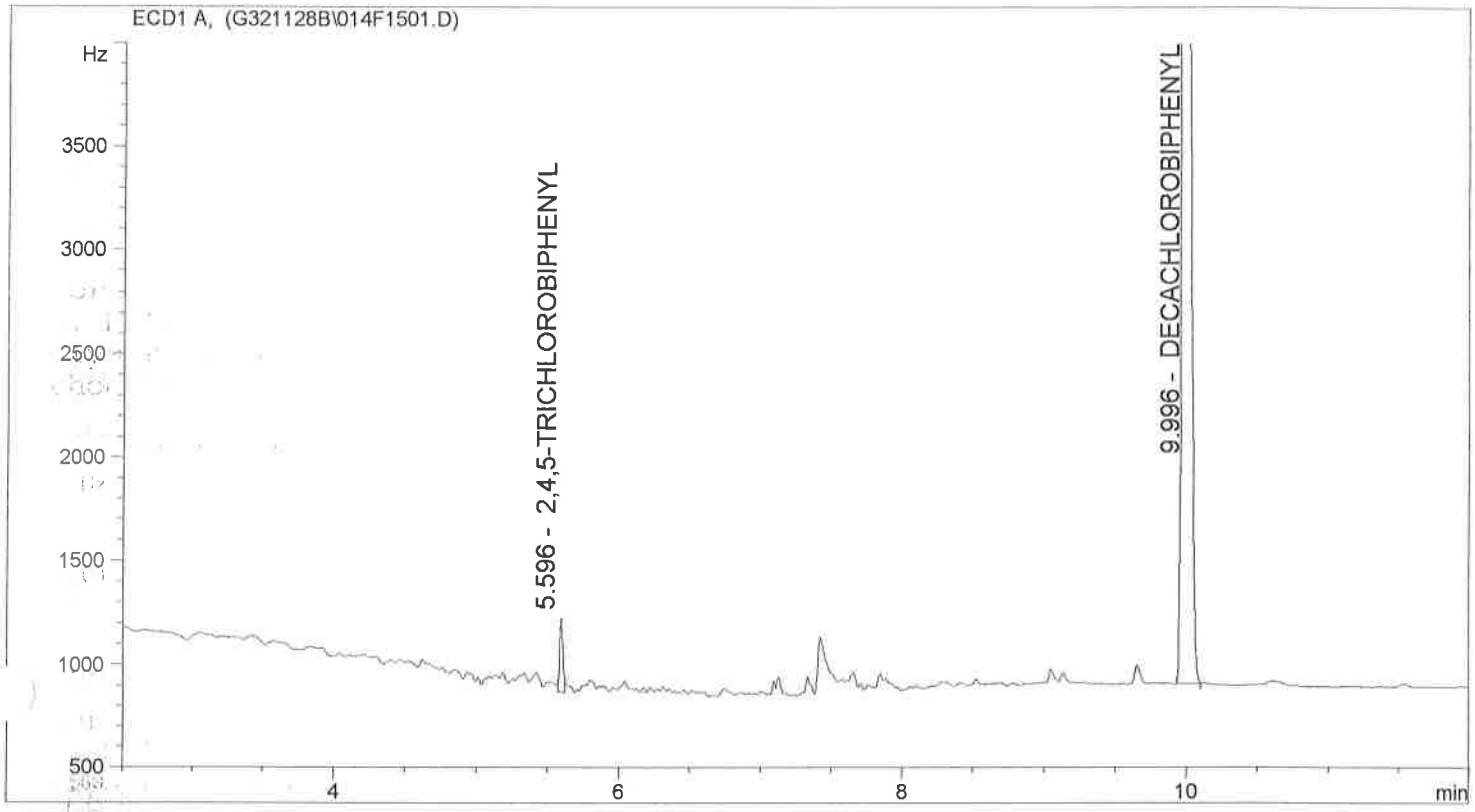
Sample Name : 2PCBS-757 G Inst. GC #32F - Congener Analysis
DAY 3 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\009F1001.D
Injection Date : 11/30/2018 4:02:05 PM Analyst ID. : NK ML AH
Report Created : 12/4/2018 1:02:43 PM Vial No. : 9
Meq. Method : CONF18C.M Sample Amt. : 2.5701
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	5.084	2,2,5-TRICHLOROBIPHENYL	708.3
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.996	DECACHLOROBIPHENYL	28395.3

Comments: _____

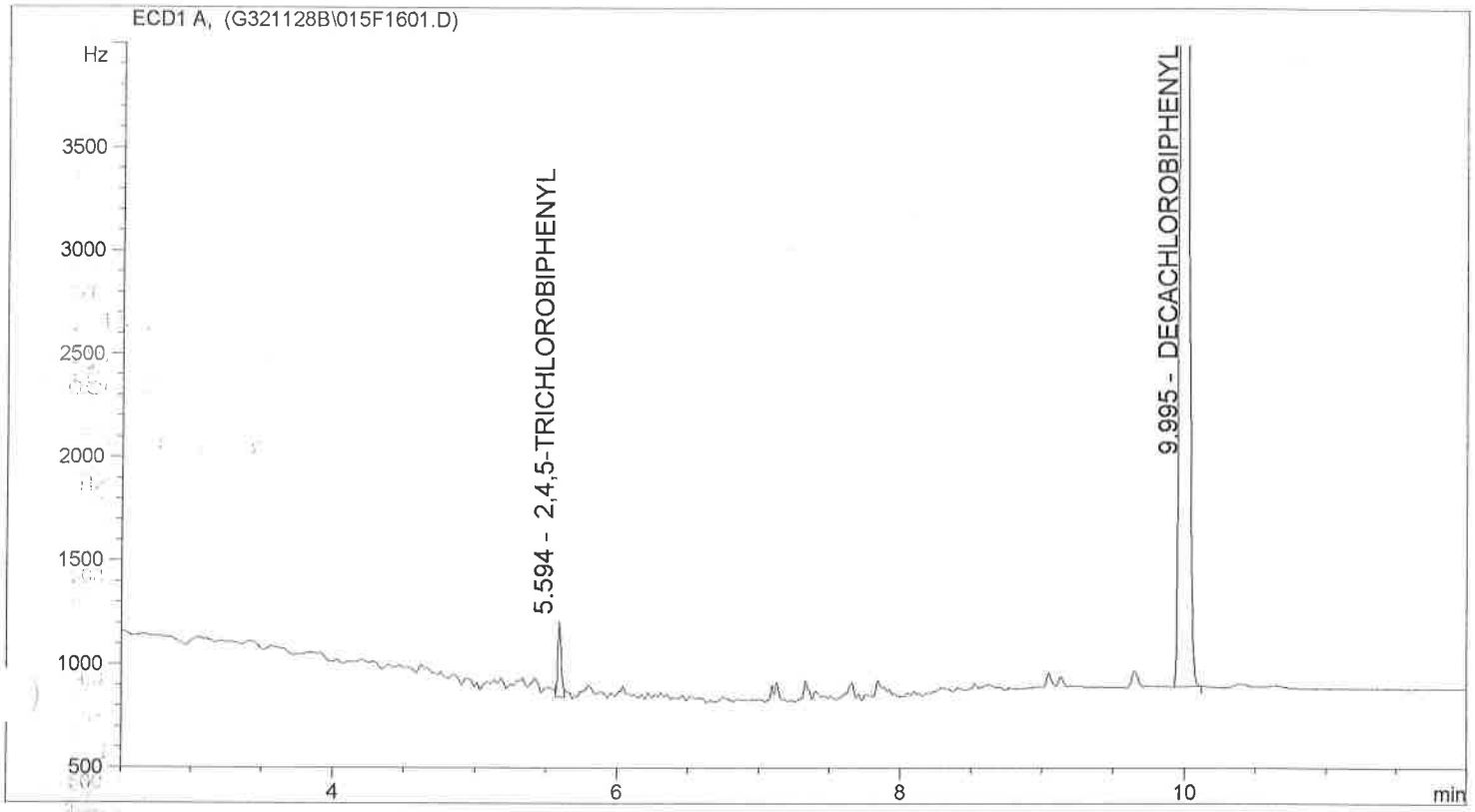
Sample Name : 2PCBS-758 A Inst. GC #32F - Congener Analysis
DAY 1 0.014PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\014F1501.D
Injection Date : 11/28/2018 4:57:33 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:28:27 PM Vial No. : 14
Eq. Method : CONF18C.M Sample Amt. : 2.5457
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	5.596	2,4,5-TRICHLOROBIPHENYL	560.4
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.996	DECACHLOROBIPHENYL	33631.0

Comments: _____

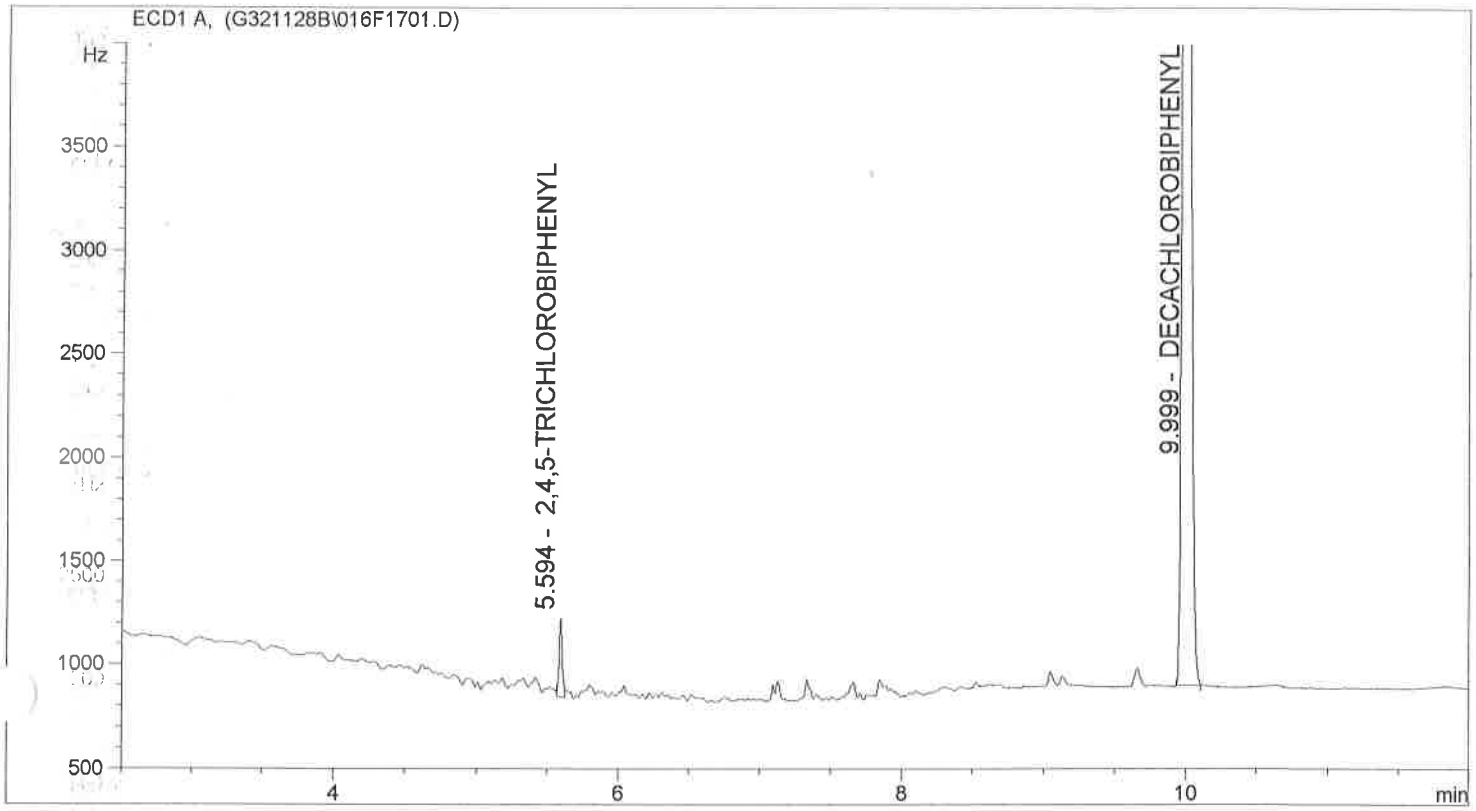
Sample Name : 2PCBS-758 B Inst. GC #32F - Congener Analysis
DAY 1 0.014PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\015F1601.D
Injection Date : 11/28/2018 5:12:39 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:29:43 PM Vial No. : 15
Inj. Method : CONF18C.M Sample Amt. : 2.5369
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	5.594	2,4,5-TRICHLOROBIPHENYL	586.2
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.995	DECACHLOROBIPHENYL	32507.6

Comments: _____

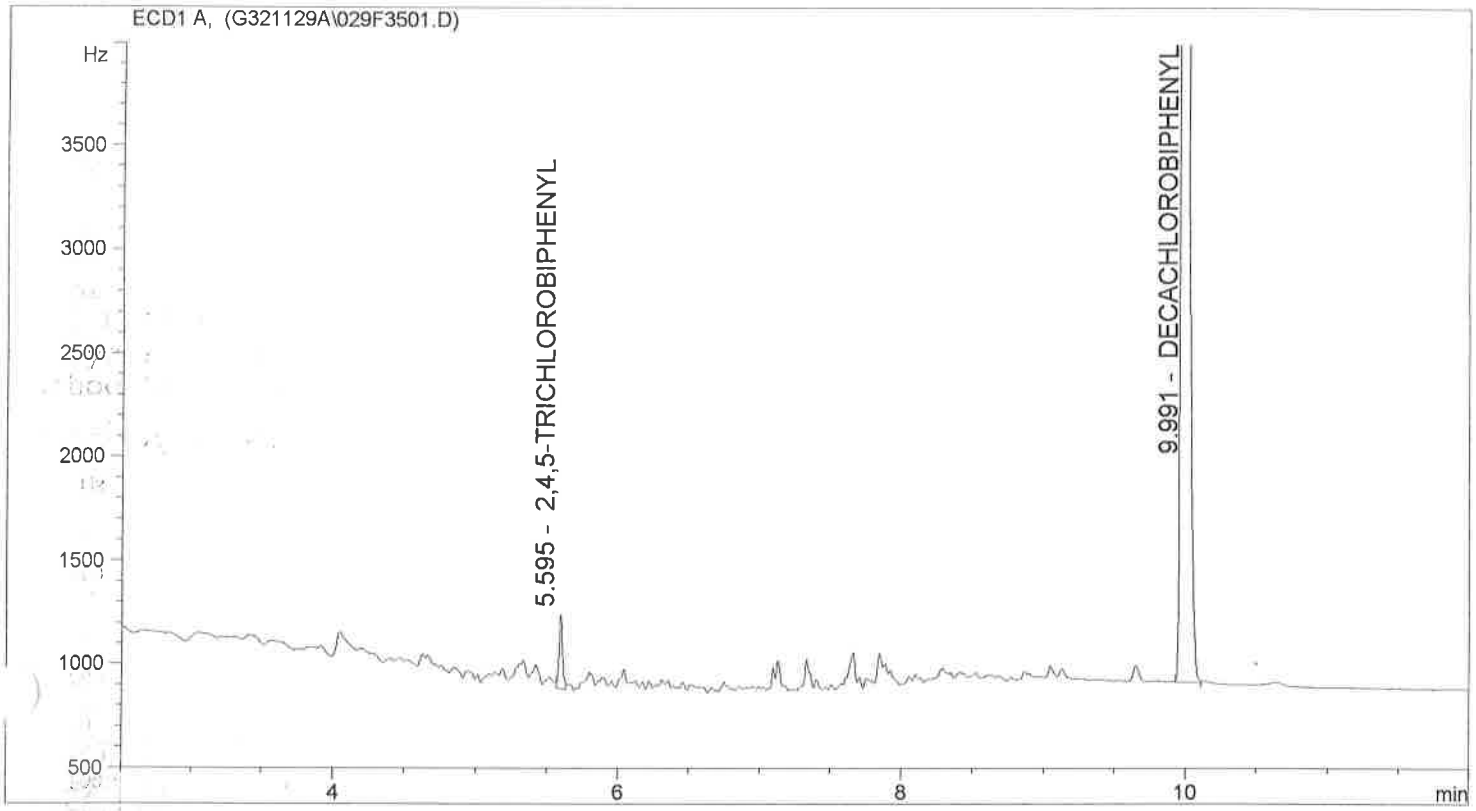
Sample Name : 2PCBS-758 C Inst. GC #32F - Congener Analysis
DAY 1 0.014PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\016F1701.D
Injection Date : 11/28/2018 5:27:42 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:31:14 PM Vial No. : 16
Inj. Method : CONF18C.M Sample Amt. : 2.5411
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	5.594	2,4,5-TRICHLOROBIPHENYL	601.2
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.999	DECACHLOROBIPHENYL	34833.1

Comments: _____

Sample Name : 2PCBS-758 D Inst. GC #32F - Congener Analysis
DAY 2 0.014PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\029F3501.D
Injection Date : 11/29/2018 11:23:-> Analyst ID. : NK ML AH
Report Created : 12/7/201812:00:34 PM Vial No. : 29
Seq. Method : CONF18C.M Sample Amt. : 2.5333
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000

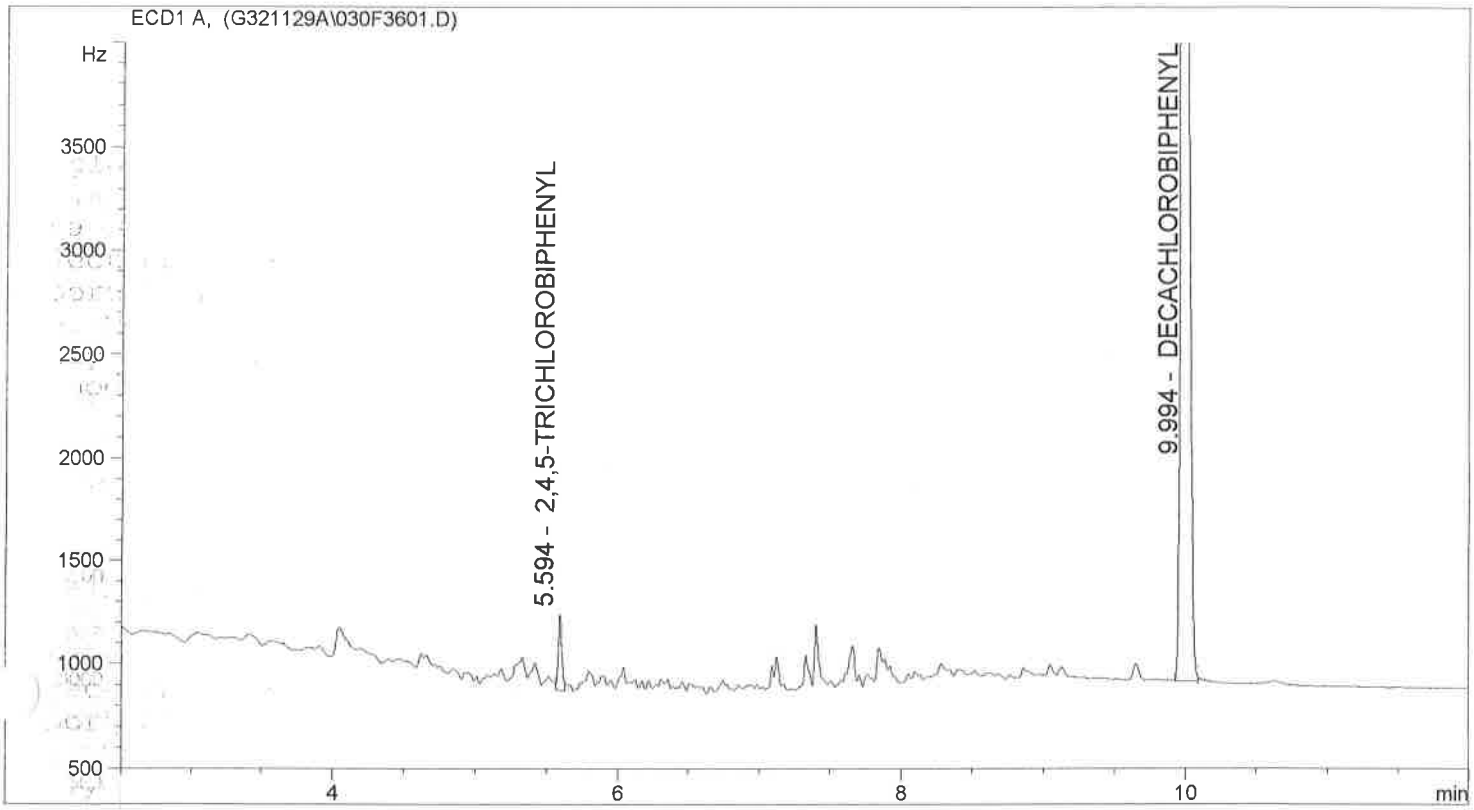


CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	5.595	2,4,5-TRICHLOROBIPHENYL	572.1
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.991	DECACHLOROBIPHENYL	29414.8

Comments: _____

Sample Name : 2PCBS-758 E Inst. GC #32F - Congener Analysis
DAY 2 0.014PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\030F3601.D
Injection Date : 11/29/2018 11:38:->
Report Created : 12/7/201812:01:31 PM
Seq. Method : CONF18C.M
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M
Method Modified: 12/5/2018 03:26:40 PM

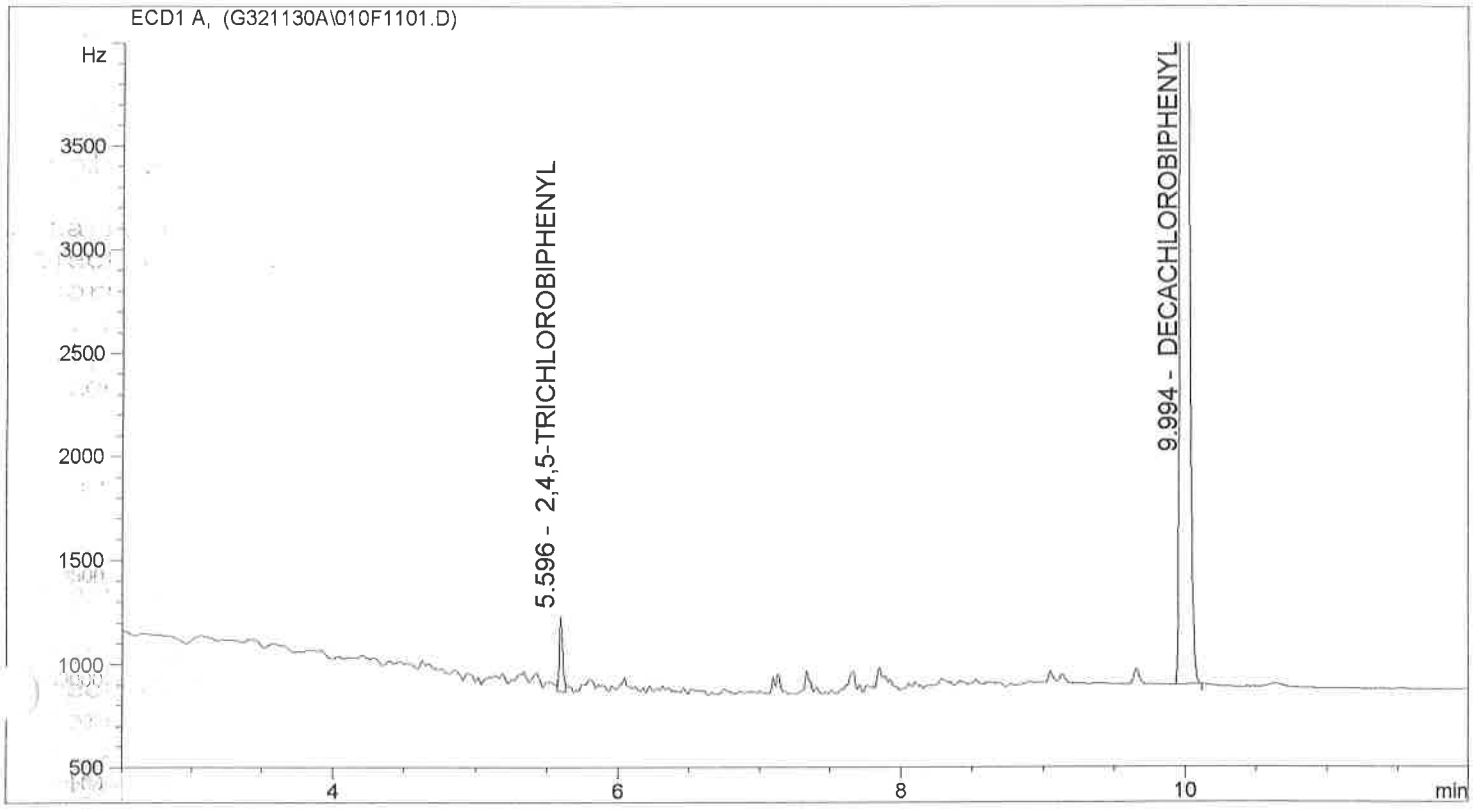
Analyst ID. : NK ML AH
Vial No. : 30
Sample Amt. : 2.5296
Dilution : 1.0000
Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	5.594	2,4,5-TRICHLOROBIPHENYL	609.2
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.994	DECACHLOROBIPHENYL	30102.4

Comments: _____

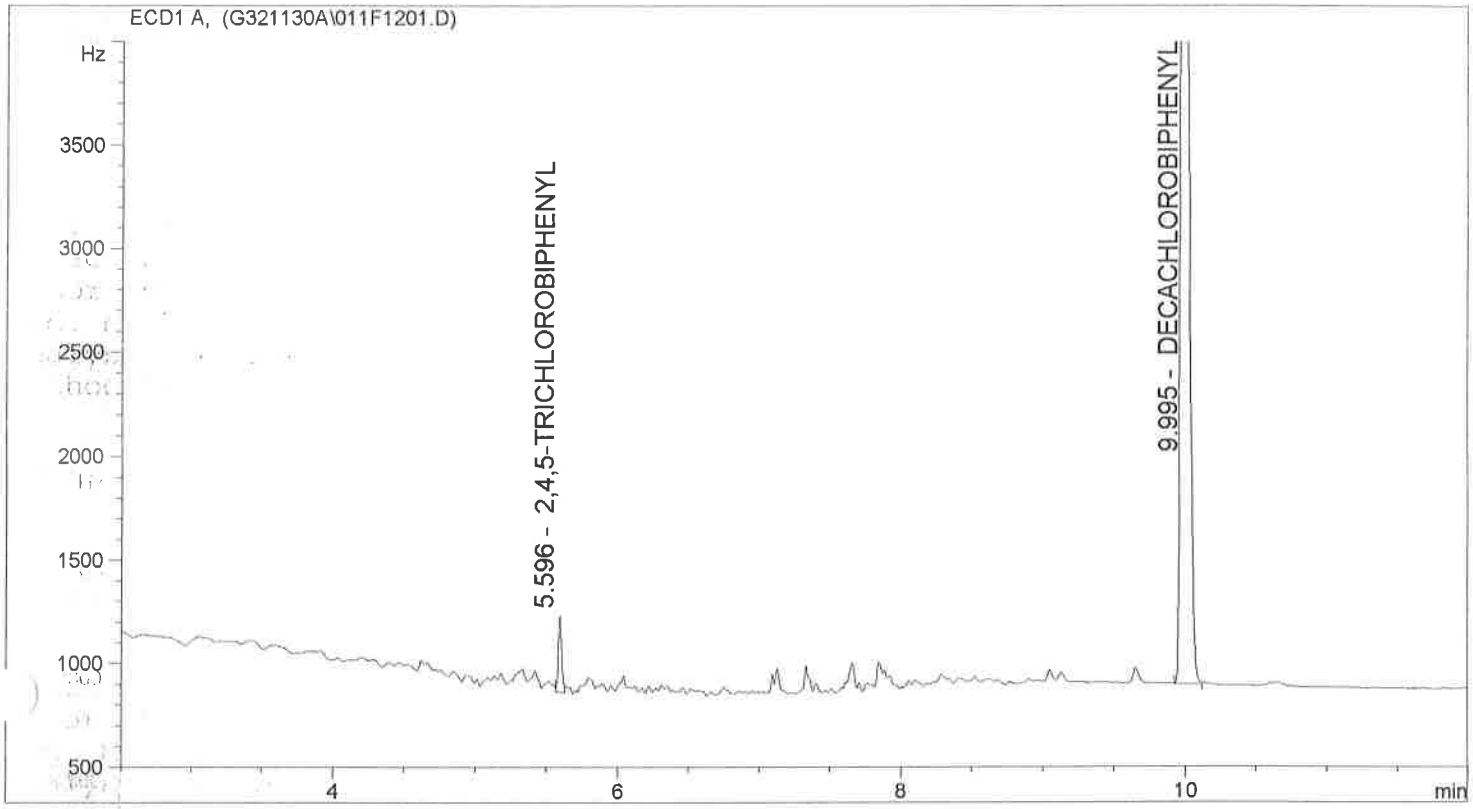
Sample Name : 2PCBS-758 F Inst. GC #32F - Congener Analysis
DAY 3 0.014PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\010F1101.D
Injection Date : 11/30/2018 4:17:12 PM Analyst ID. : NK ML AH
Report Created : 12/4/2018 1:03:22 PM Vial No. : 10
Inj. Method : CONF18C.M Sample Amt. : 2.5505
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	5.596	2,4,5-TRICHLOROBIPHENYL	579.9
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.994	DECACHLOROBIPHENYL	28131.7

Comments: _____

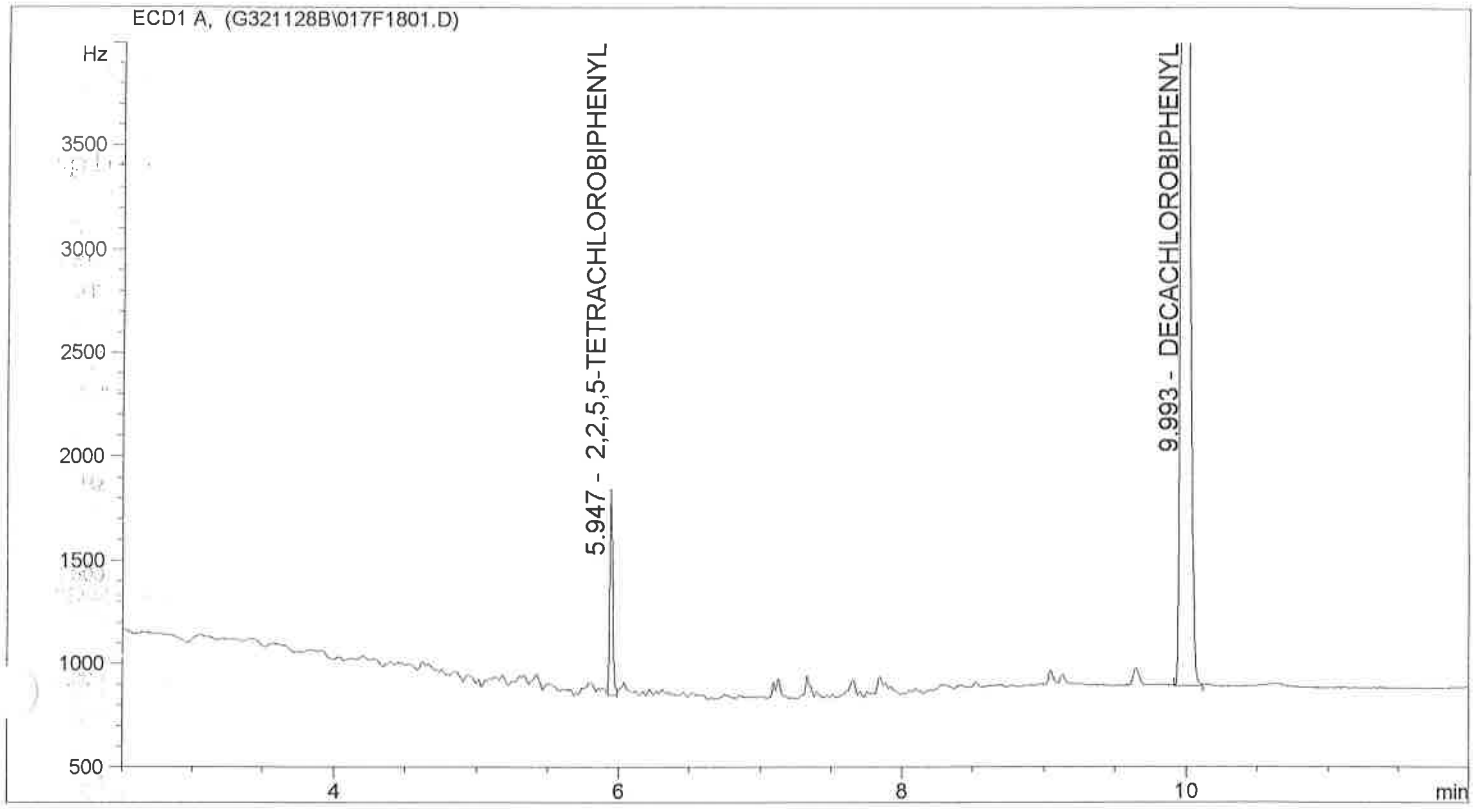
Sample Name : 2PCBS-758 G Inst. GC #32F - Congener Analysis
DAY 3 0.014PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\011F1201.D
Injection Date : 11/30/2018 4:32:19 PM Analyst ID. : NK ML AH
Report Created : 12/4/2018 1:04:23 PM Vial No. : 11
Meq. Method : CONF18C.M Sample Amt. : 2.5806
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	5.596	2,4,5-TRICHLOROBIPHENYL	591.8
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.995	DECACHLOROBIPHENYL	28033.3

Comments: _____

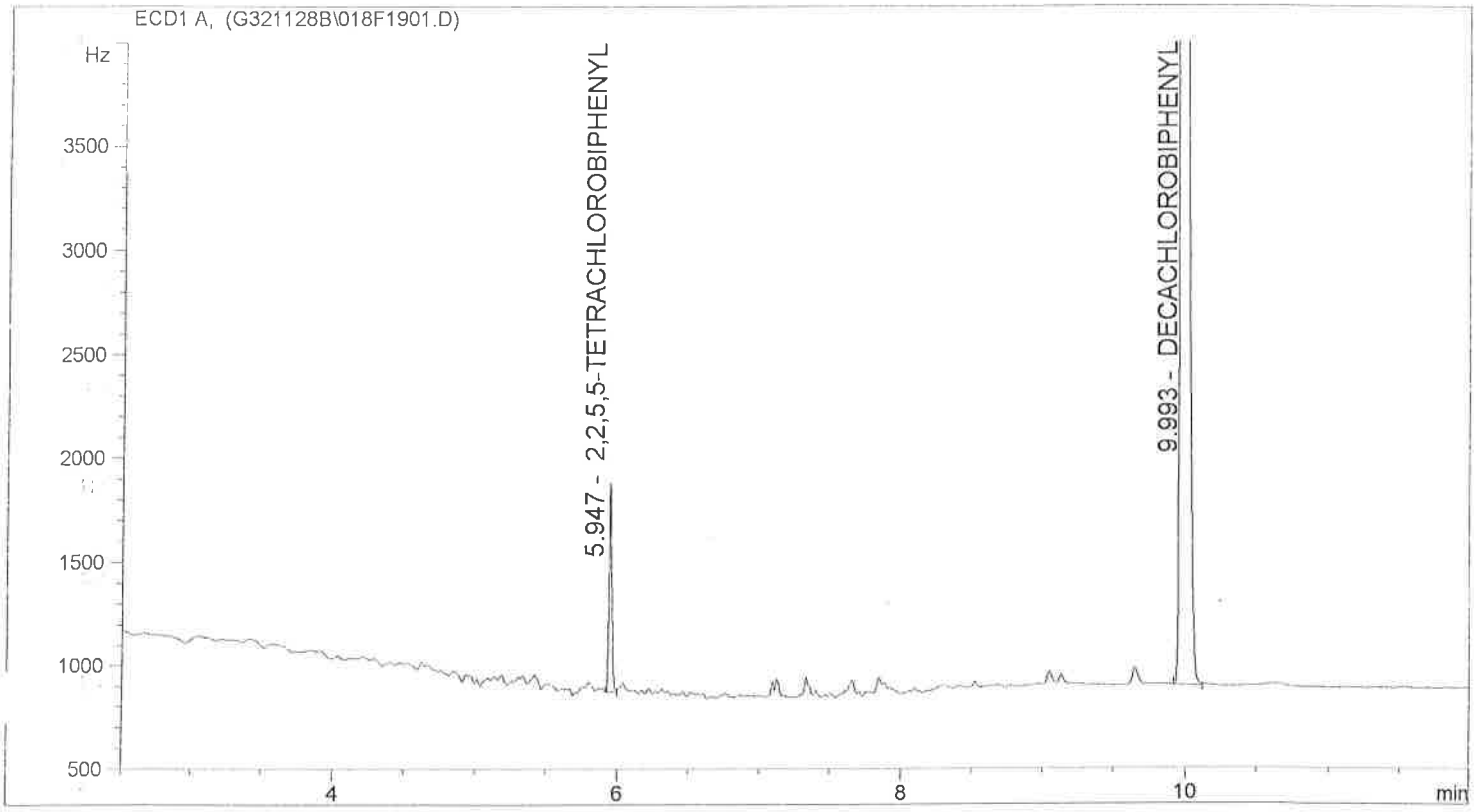
Sample Name : 2PCBS-760 A Inst. GC #32F - Congener Analysis
DAY 1 0.049PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\017F1801.D
Injection Date : 11/28/2018 5:42:57 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:34:57 PM Vial No. : 17
Seq. Method : CONF18C.M Sample Amt. : 2.5646
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	5.947	2,2,5,5-TETRACHLOROBIPHENYL	1422.6
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.993	DECACHLOROBIPHENYL	32984.5

Comments: _____

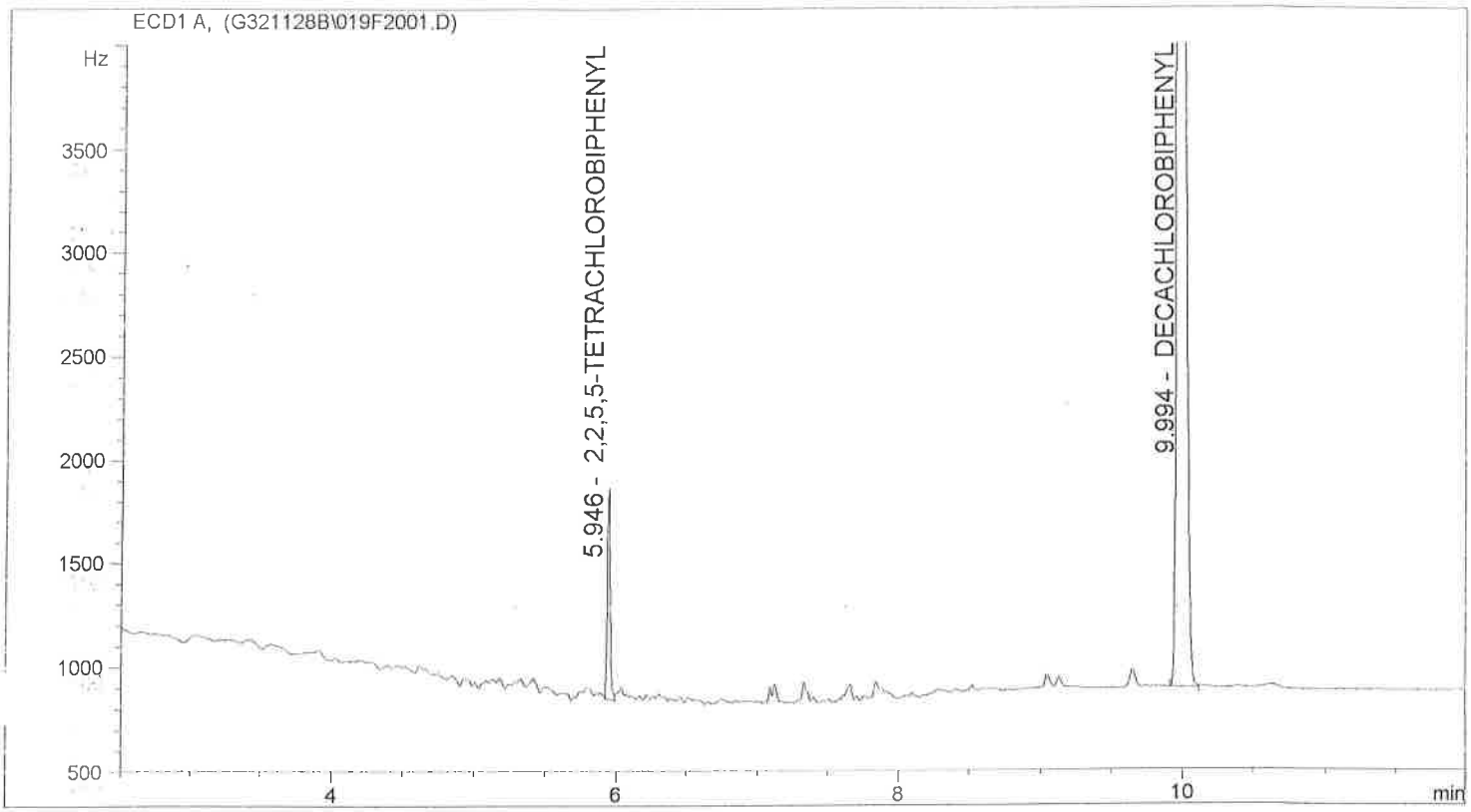
Sample Name : 2PCBS-760 B Inst. GC #32F - Congener Analysis
DAY 1 0.049PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\018F1901.D
Injection Date : 11/28/2018 5:58:11 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:36:09 PM Vial No. : 18
Meq. Method : CONF18C.M Sample Amt. : 2.5548
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	5.947	2,2,5,5-TETRACHLOROBIPHENYL	1399.8
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.993	DECACHLOROBIPHENYL	32819.4

Comments: _____

Sample Name : 2PCBS-760 C Inst. GC #32F - Congener Analysis
DAY 1 0.049PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321128B\019F2001.D
Injection Date : 11/28/2018 6:13:25 PM Analyst ID. : NK ML AH
Report Created : 12/4/201812:37:12 PM Vial No. : 19
Seq. Method : CONF18C.M Sample Amt. : 2.5603
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000

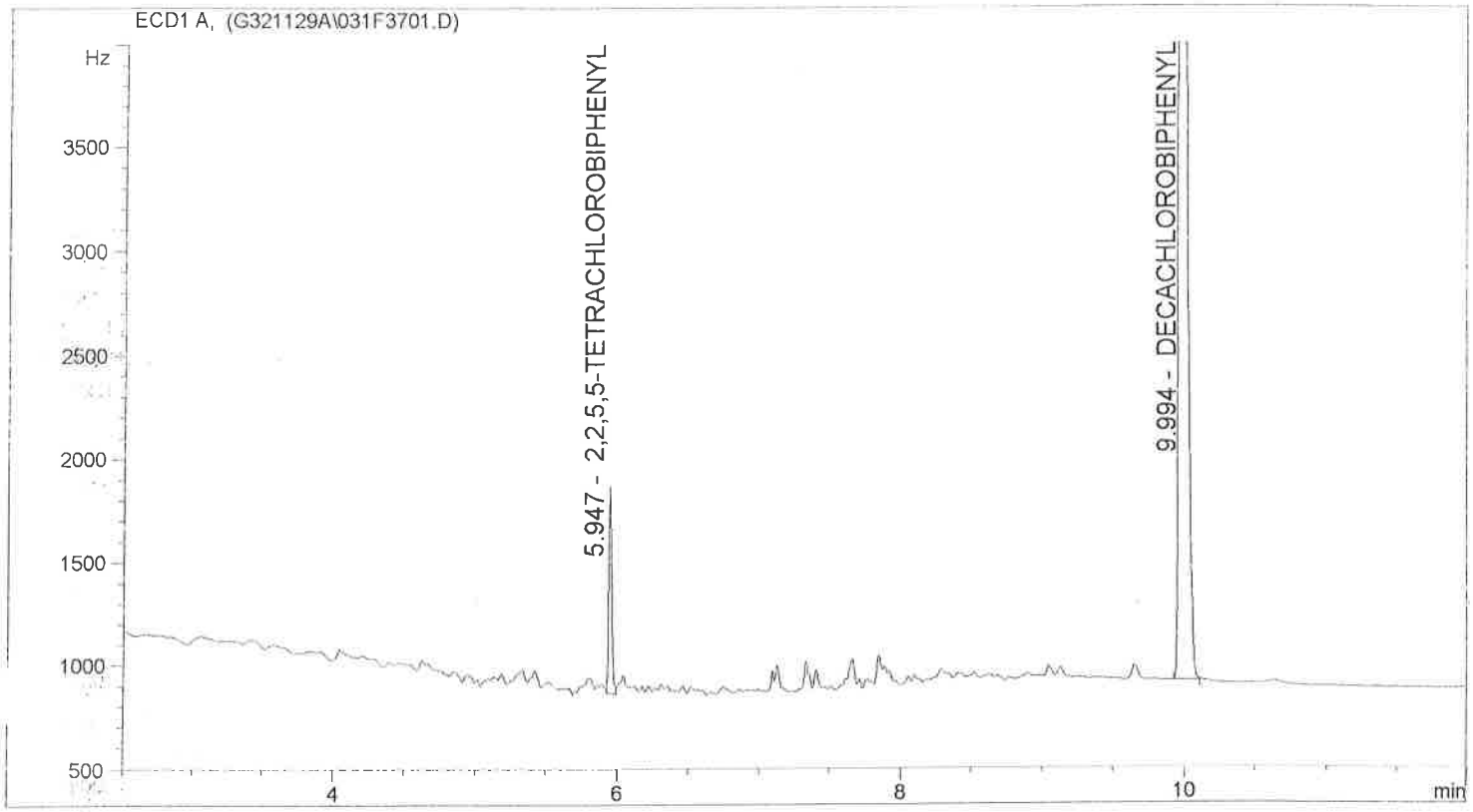


CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	5.946	2,2,5,5-TETRACHLOROBIPHENYL	1471.2
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.994	DECACHLOROBIPHENYL	33323.5

Comments: _____

Sample Name : 2PCBS-760 D Inst. GC #32F - Congener Analysis
DAY 2 0.049PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\031F3701.D
Injection Date : 11/29/2018 11:53:->
Report Created : 12/7/201812:02:38 PM
Seq. Method : CONF18C.M
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M
Method Modified: 12/5/2018 03:26:40 PM

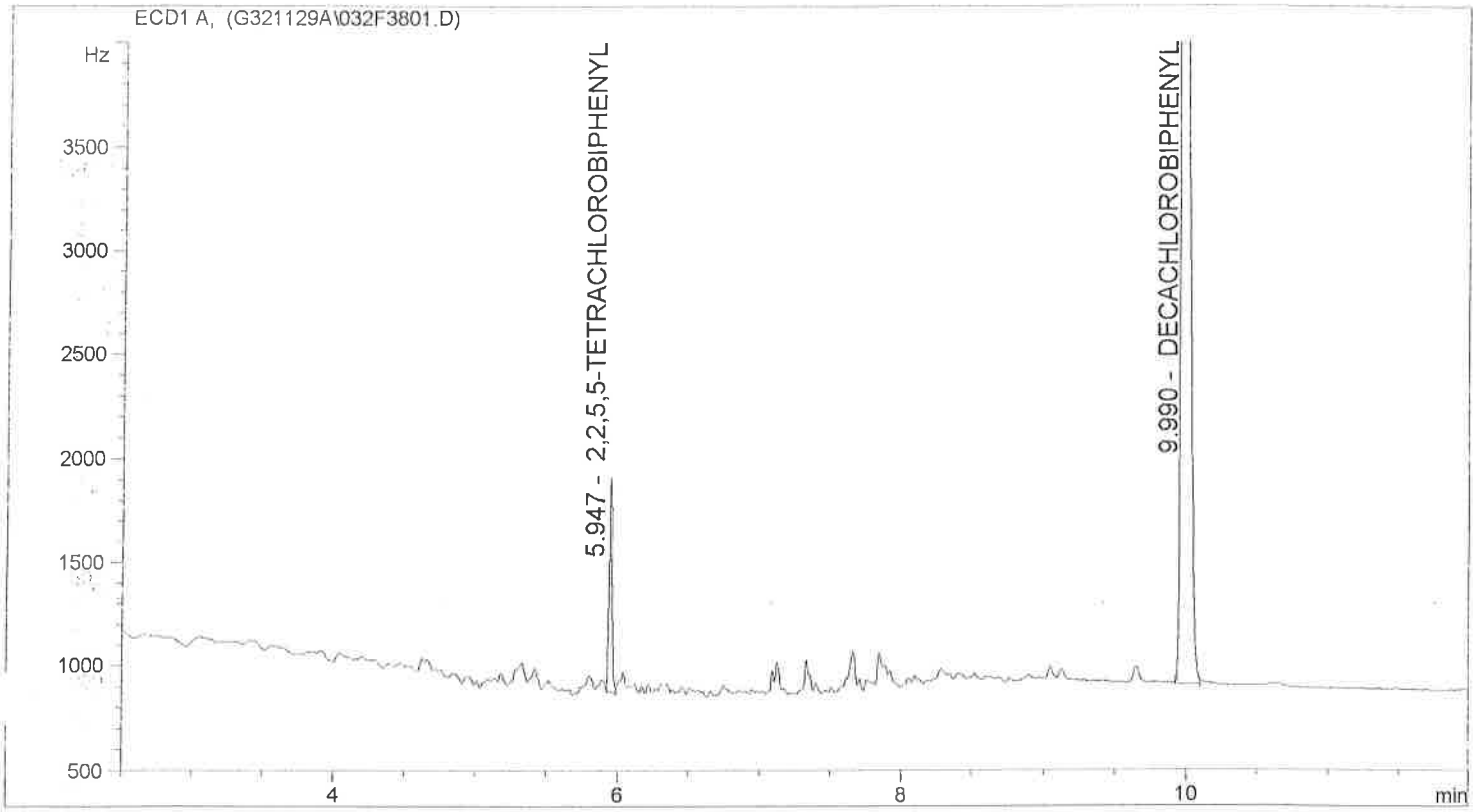
Analyst ID. : NK ML AH
Vial No. : 31
Sample Amt. : 2.5450
Dilution : 1.0000
Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	5.947	2,2,5,5-TETRACHLOROBIPHENYL	1449.6
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.994	DECACHLOROBIPHENYL	29635.2

Comments: _____

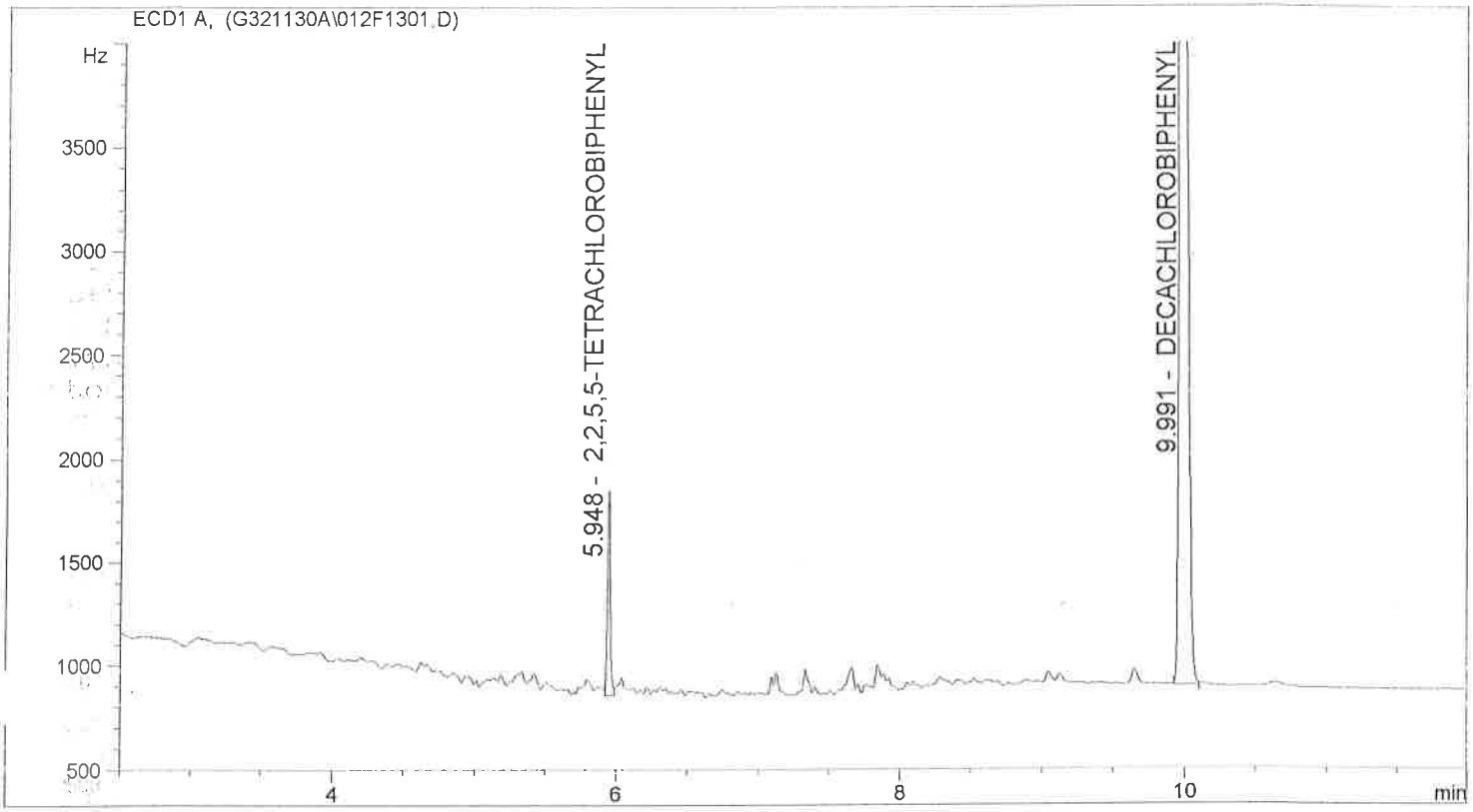
Sample Name : 2PCBS-760 E Inst. GC #32F - Congener Analysis
DAY 2 0.049PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\032F3801.D
Injection Date : 11/30/2018 12:08:-> Analyst ID. : NK ML AH
Report Created : 12/7/201812:03:42 PM Vial No. : 32
Seq. Method : CONF18C.M Sample Amt. : 2.5481
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	5.947	2,2,5,5-TETRACHLOROBIPHENYL	1466.7
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.990	DECACHLOROBIPHENYL	29756.0

Comments: _____

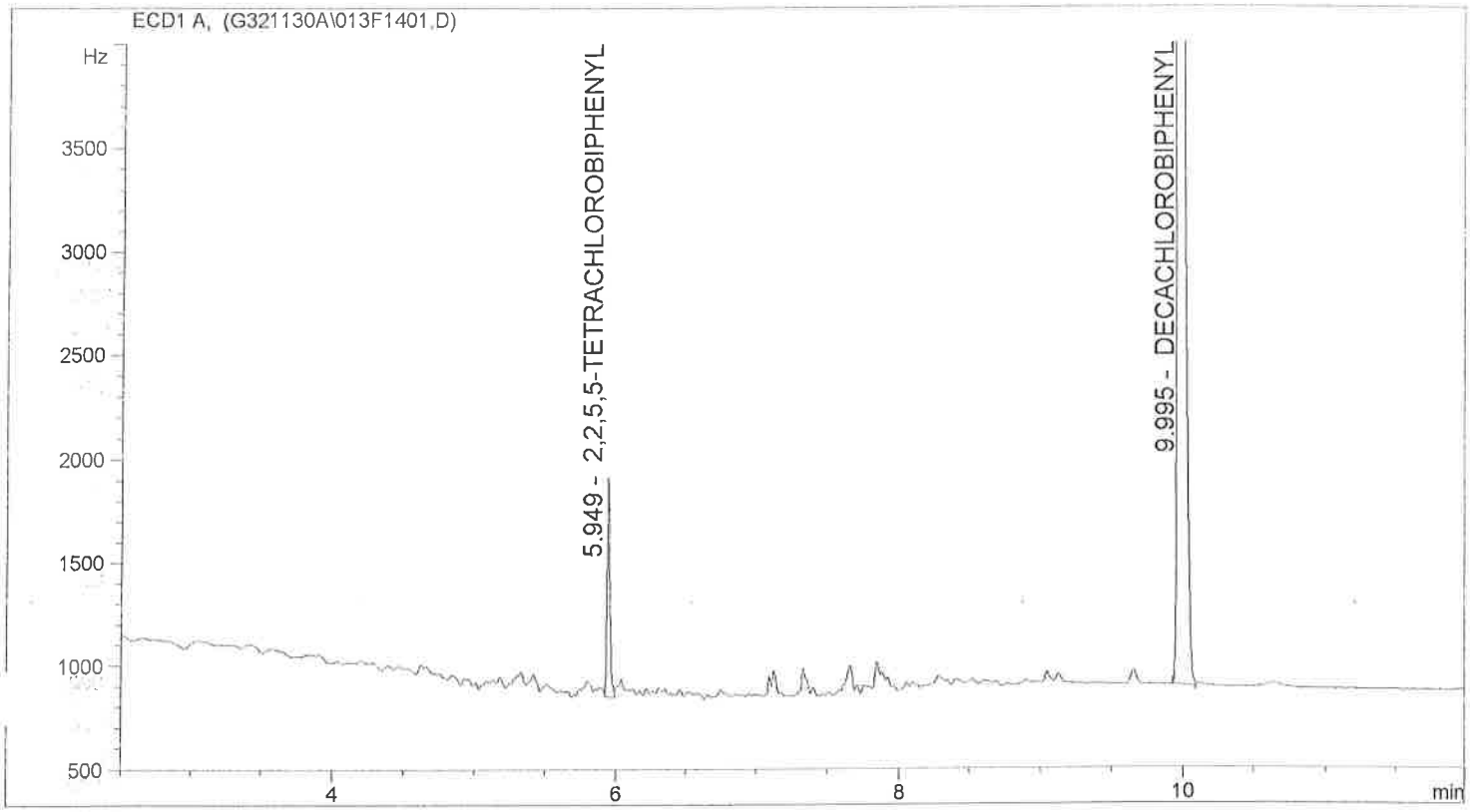
Sample Name : 2PCBS-760 F Inst. GC #32F - Congener Analysis
DAY 3 0.049PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\012F1301.D
Injection Date : 11/30/2018 4:47:26 PM Analyst ID. : NK ML AH
Report Created : 12/4/2018 1:07:38 PM Vial No. : 12
Inj. Method : CONF18C.M Sample Amt. : 2.5498
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	5.948	2,2,5,5-TETRACHLOROBIPHENYL	1451.6
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.991	DECACHLOROBIPHENYL	27782.9

Comments: _____

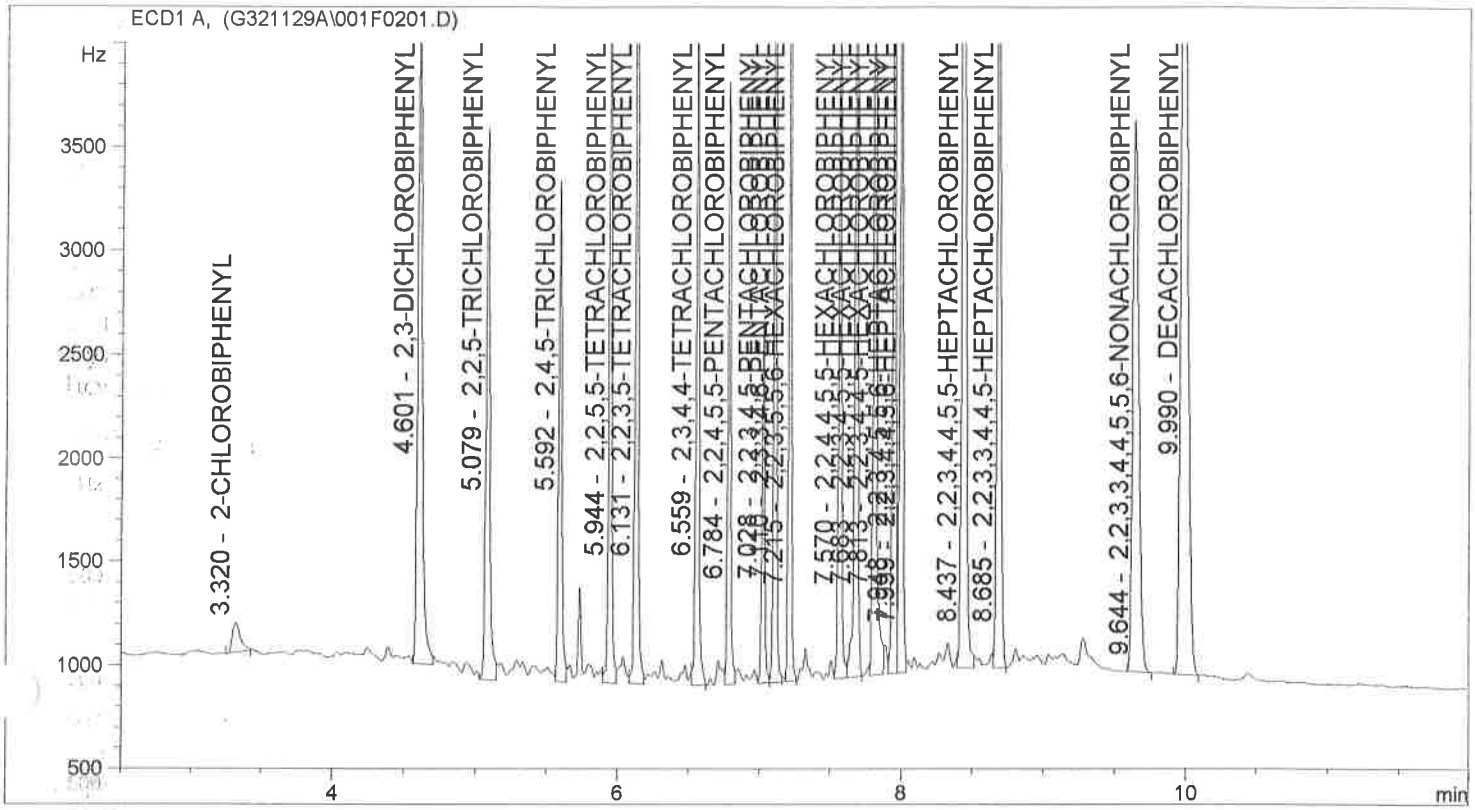
Sample Name : 2PCBS-760 G Inst. GC #32F - Congener Analysis
DAY 3 0.049PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\013F1401.D
Injection Date : 11/30/2018 5:02:32 PM Analyst ID. : NK ML AH
Report Created : 12/4/2018 1:08:51 PM Vial No. : 13
Inj. Method : CONF18C.M Sample Amt. : 2.5321
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/3/2018 01:11:16 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	5.949	2,2,5,5-TETRACHLOROBIPHENYL	1539.6
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.995	DECACHLOROBIPHENYL	27137.9

Comments: _____

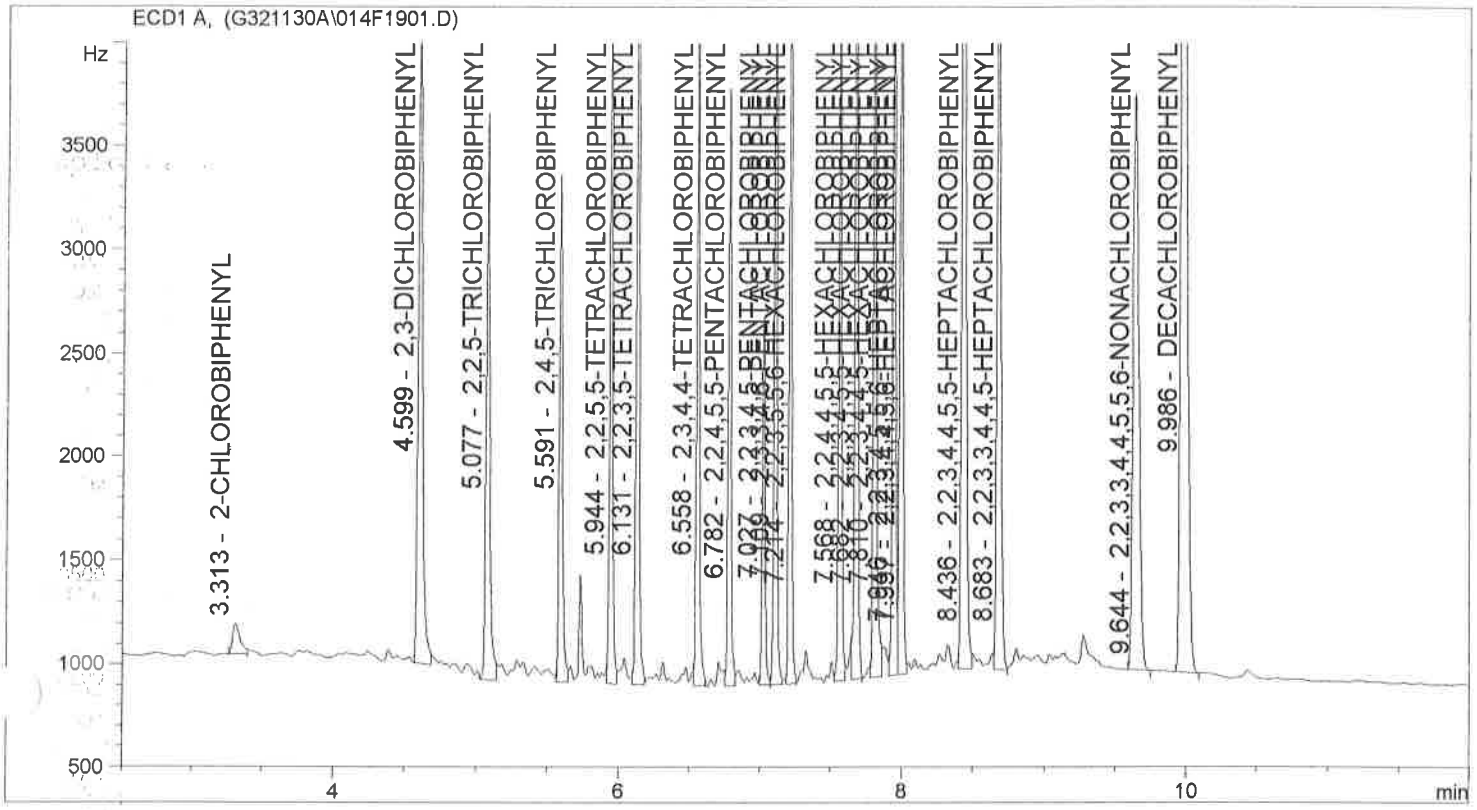
Sample Name : CCS Inst. GC #32F - Congener Analysis
2PCBS-786 ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\001F0201.D
Injection Date : 11/29/2018 2:21:52 PM Analyst ID. : NK ML AH
port Created : 12/7/201810:28:18 AM Vial No. : 1
.q. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.320	2-CHLOROBIPHENYL	559.2
4.599	4.601	2,3-DICHLOROBIPHENYL	6835.9
5.076	5.079	2,2,5-TRICHLOROBIPHENYL	4870.1
5.589	5.592	2,4,5-TRICHLOROBIPHENYL	3706.9
5.942	5.944	2,2,5,5-TETRACHLOROBIPHENYL	4820.9
6.128	6.131	2,2,3,5-TETRACHLOROBIPHENYL	6253.2
6.555	6.559	2,3,4,4-TETRACHLOROBIPHENYL	4745.6
6.780	6.784	2,2,4,5,5-PENTACHLOROBIPHENYL	3943.7
7.024	7.028	2,2,3,4,5-PENTACHLOROBIPHENYL	2280.3
7.107	7.110	2,3,3,4,6-PENTACHLOROBIPHENYL	5113.6
7.211	7.215	2,2,3,5,5,6-HEXACHLOROBIPHENYL	4859.6
7.565	7.570	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4596.9
7.679	7.683	2,2,3,4,5,5-HEXACHLOROBIPHENYL	6857.2
7.807	7.813	2,2,3,4,4,5-HEXACHLOROBIPHENYL	5784.1
7.943	7.948	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5384.1
7.994	7.999	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	5828.6
8.431	8.437	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	10324.9
8.677	8.685	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	6763.7
9.634	9.644	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	7984.7
9.973	9.990	DECACHLOROBIPHENYL	14726.2

Comments: _____

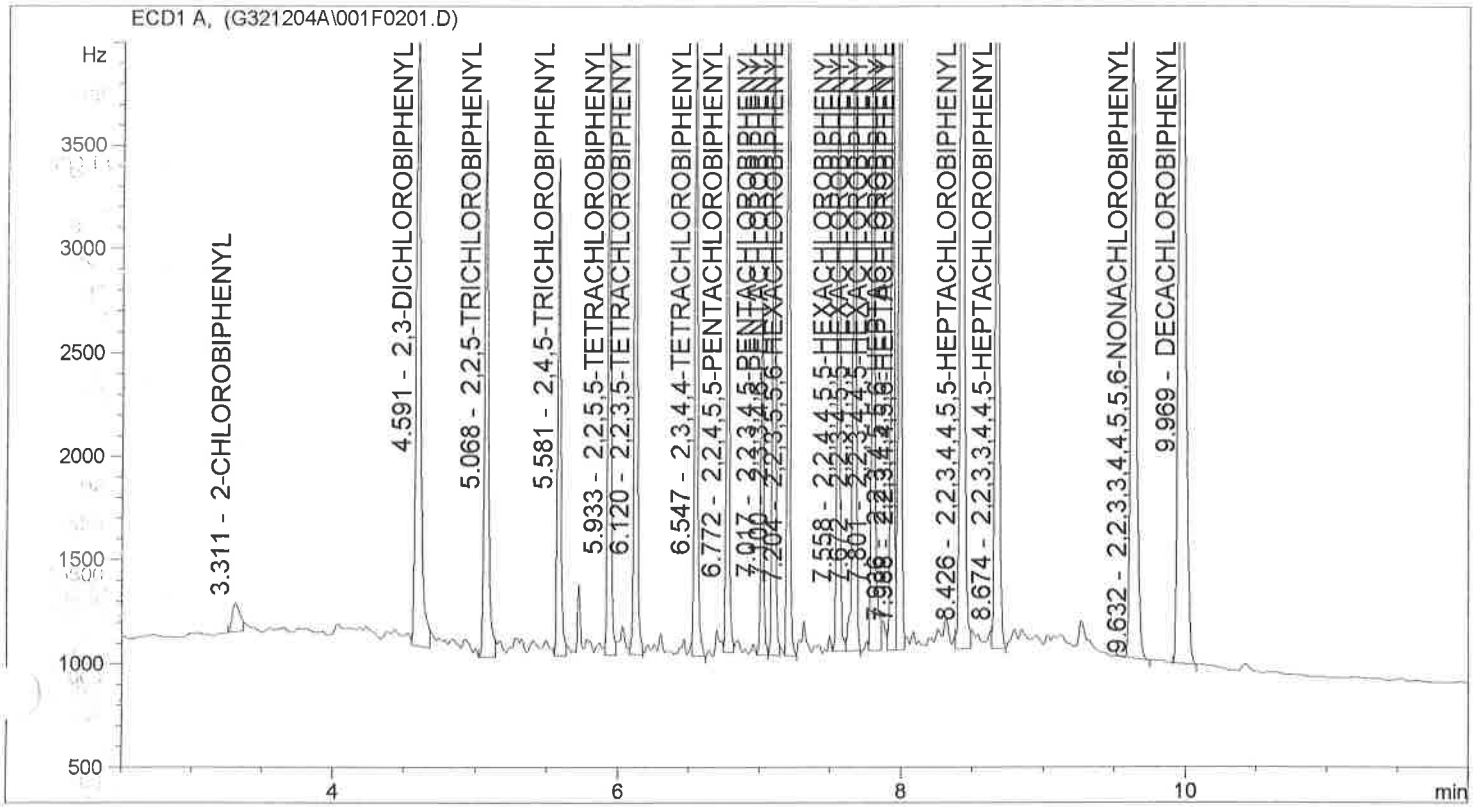
Sample Name : CCS Inst. GC #32F - Congener Analysis
2PCBS-791 ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\014F1901.D
Injection Date : 11/30/2018 7:00:15 PM Analyst ID. : NK ML AH
Report Created : 12/10/2018 3:42:13 PM Vial No. : 14
Seq. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.313	2-CHLOROBIPHENYL	556.2
4.599	4.599	2,3-DICHLOROBIPHENYL	6664.8
5.076	5.077	2,2,5-TRICHLOROBIPHENYL	4816.9
5.589	5.591	2,4,5-TRICHLOROBIPHENYL	3730.5
5.942	5.944	2,2,5,5-TETRACHLOROBIPHENYL	4729.0
6.128	6.131	2,2,3,5-TETRACHLOROBIPHENYL	6174.1
6.555	6.558	2,3,4,4-TETRACHLOROBIPHENYL	4703.8
6.780	6.782	2,2,4,5,5-PENTACHLOROBIPHENYL	3938.5
7.024	7.027	2,2,3,4,5-PENTACHLOROBIPHENYL	2269.5
7.107	7.109	2,3,3,4,6-PENTACHLOROBIPHENYL	5118.0
7.211	7.214	2,2,3,5,5,6-HEXACHLOROBIPHENYL	4865.9
7.565	7.568	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4586.1
7.679	7.682	2,2,3,4,5,5-HEXACHLOROBIPHENYL	6637.8
7.807	7.810	2,2,3,4,4,5-HEXACHLOROBIPHENYL	5749.1
7.943	7.946	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5365.3
7.994	7.997	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	5849.4
8.431	8.436	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	10319.0
8.677	8.683	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	6850.5
9.634	9.644	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	8044.8
9.973	9.986	DECACHLOROBIPHENYL	14766.1

Comments: _____

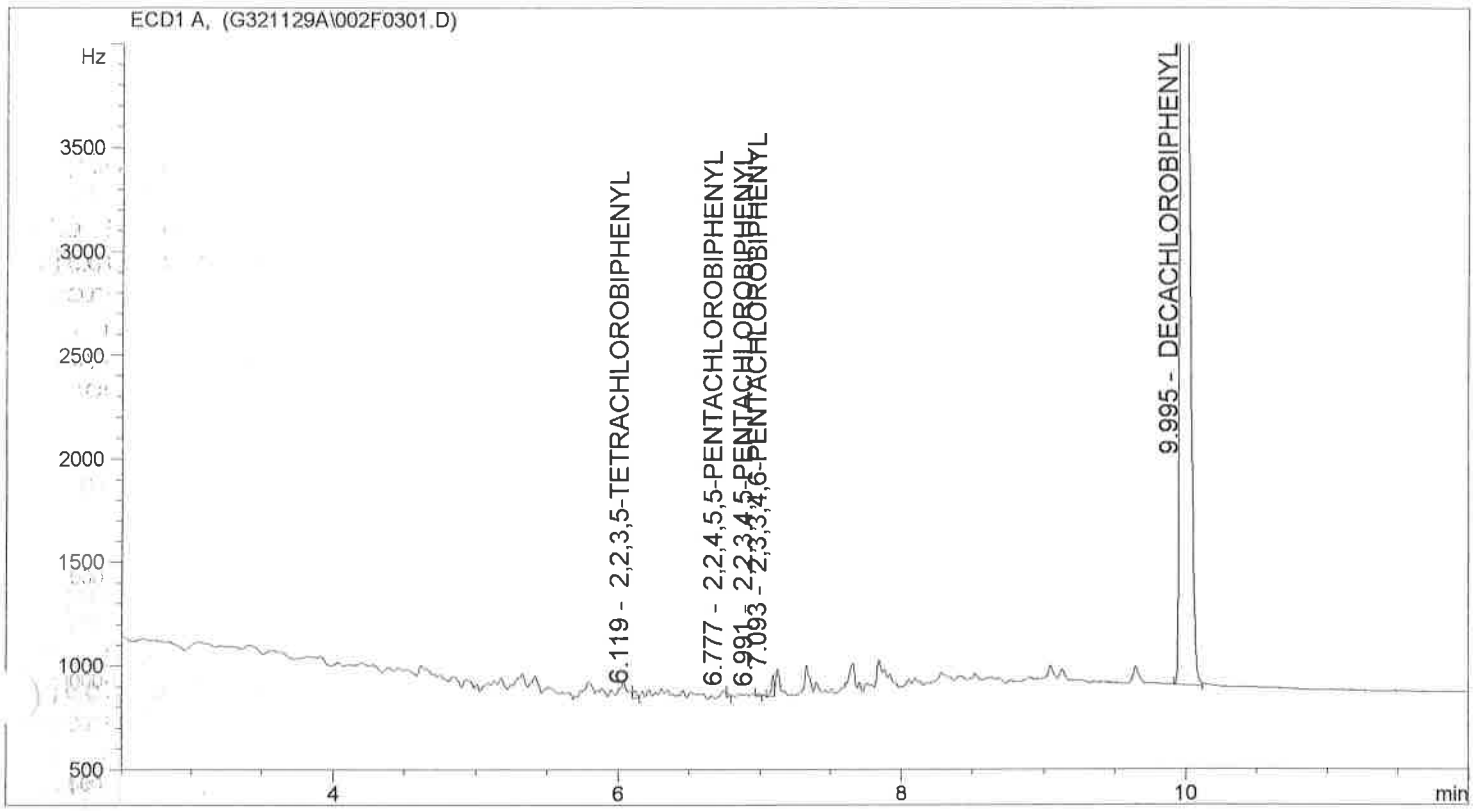
Sample Name : CCS Inst. GC #32F - Congener Analysis
2PCBS-791 ->
Data File : C:\HPCHEM\1\DATA\2018\G321204A\001F0201.D
Injection Date : 12/4/2018 11:49:59 AM Analyst ID. : NK ML AH
Report Created : 12/12/2018 8:40:46 AM Vial No. : 1
Seq. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.311	2-CHLOROBIPHENYL	530.0
4.599	4.591	2,3-DICHLOROBIPHENYL	6914.8
5.076	5.068	2,2,5-TRICHLOROBIPHENYL	4871.2
5.589	5.581	2,4,5-TRICHLOROBIPHENYL	3658.4
5.942	5.933	2,2,5,5-TETRACHLOROBIPHENYL	4728.0
6.128	6.120	2,2,3,5-TETRACHLOROBIPHENYL	6158.7
6.555	6.547	2,3,4,4-TETRACHLOROBIPHENYL	4672.6
6.780	6.772	2,2,4,5,5-PENTACHLOROBIPHENYL	3840.1
7.024	7.017	2,2,3,4,5-PENTACHLOROBIPHENYL	2264.1
7.107	7.100	2,3,3,4,6-PENTACHLOROBIPHENYL	5106.5
7.211	7.204	2,2,3,5,5,6-HEXACHLOROBIPHENYL	4932.1
7.565	7.558	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4579.7
7.679	7.672	2,2,3,4,5,5-HEXACHLOROBIPHENYL	6895.1
7.807	7.801	2,2,3,4,4,5-HEXACHLOROBIPHENYL	5857.5
7.943	7.936	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5444.7
7.994	7.988	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	5936.6
8.431	8.426	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	10633.5
8.677	8.674	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	6948.1
9.634	9.632	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	8077.9
9.973	9.969	DECACHLOROBIPHENYL	14876.9

Comments: _____

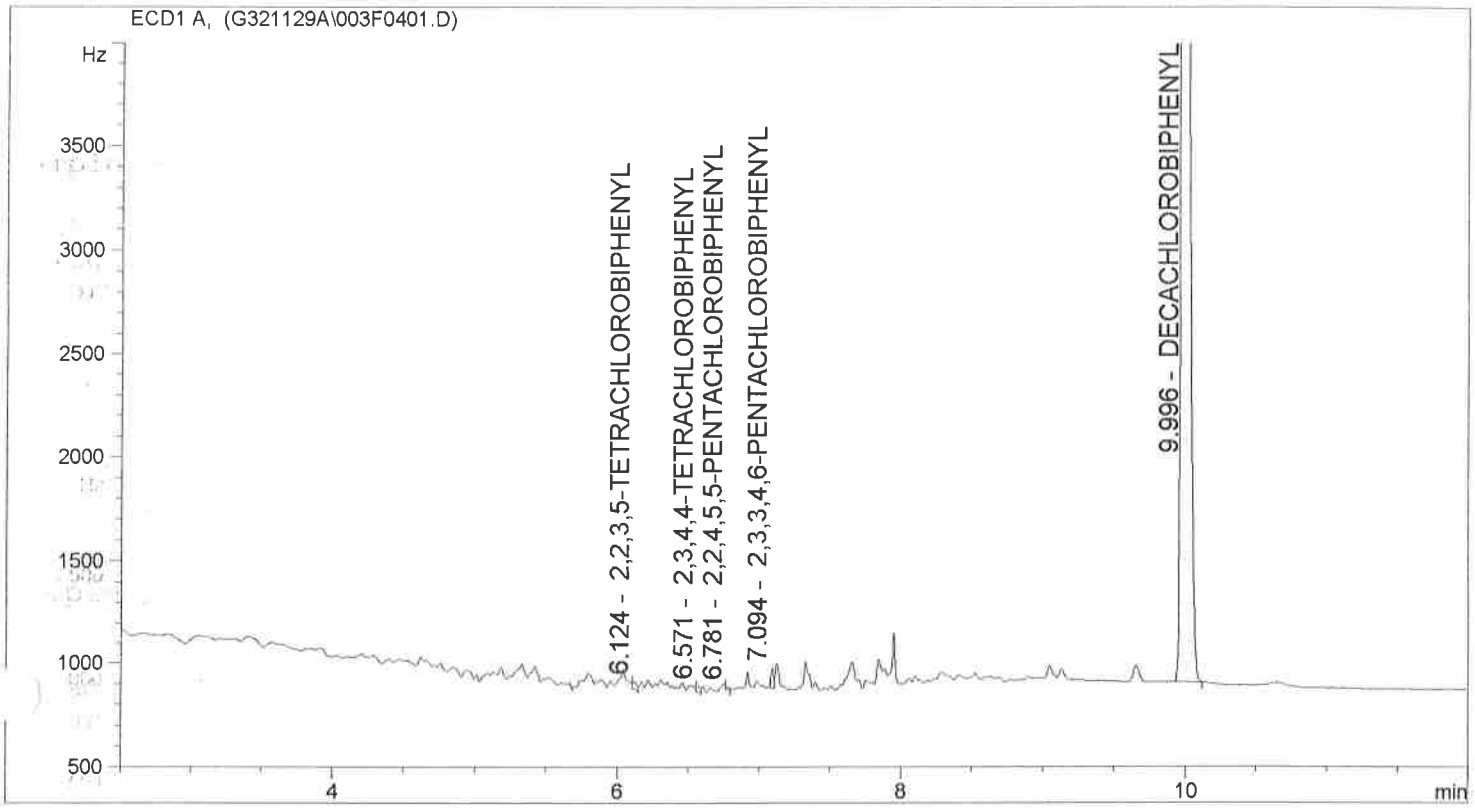
Sample Name : METHOD BLK 1 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\002F0301.D
Injection Date : 11/29/2018 2:36:58 PM Analyst ID. : NK ML AH
Report Created : 12/7/201810:37:35 AM Vial No. : 2
Seq. Method : CONF18C.M Sample Amt. : 2.5579
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	6.119	2,2,3,5-TETRACHLOROBIPHENYL	77.1
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	6.777	2,2,4,5,5-PENTACHLOROBIPHENYL	24.9
7.024	6.991	2,2,3,4,5-PENTACHLOROBIPHENYL	18.1
7.107	7.093	2,3,3,4,6-PENTACHLOROBIPHENYL	138.6
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.995	DECACHLOROBIPHENYL	29979.0

Comments: _____

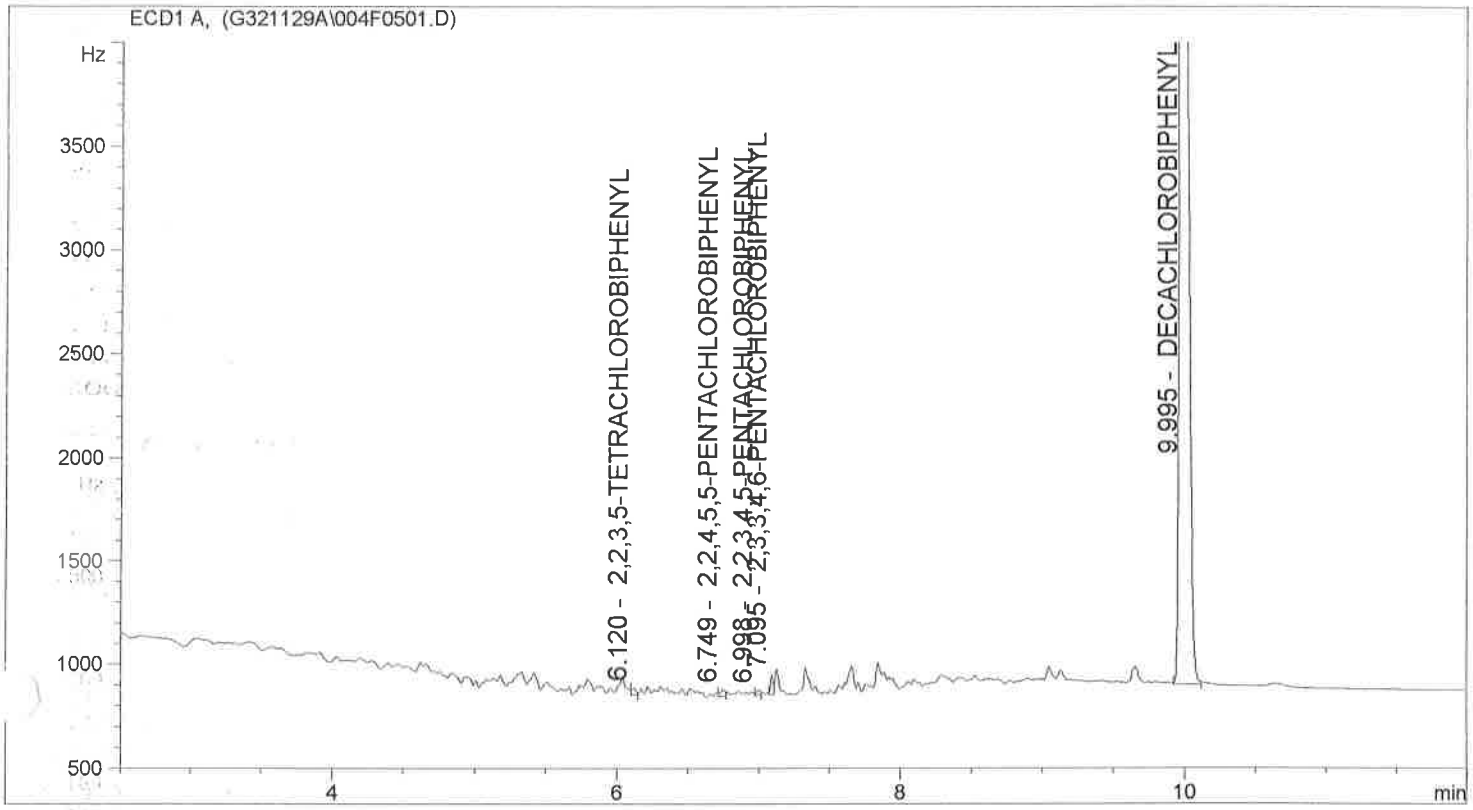
Sample Name : METHOD BLK 2 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\003F0401.D
Injection Date : 11/29/2018 2:52:06 PM Analyst ID. : NK ML AH
Report Created : 12/7/201810:45:37 AM Vial No. : 3
Seq. Method : CONF18C.M Sample Amt. : 2.5549
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	6.124	2,2,3,5-TETRACHLOROBIPHENYL	78.1
6.555	6.571	2,3,4,4-TETRACHLOROBIPHENYL	49.5
6.780	6.781	2,2,4,5,5-PENTACHLOROBIPHENYL	19.5
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	7.094	2,3,3,4,6-PENTACHLOROBIPHENYL	115.4
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.996	DECACHLOROBIPHENYL	30663.5

Comments: _____

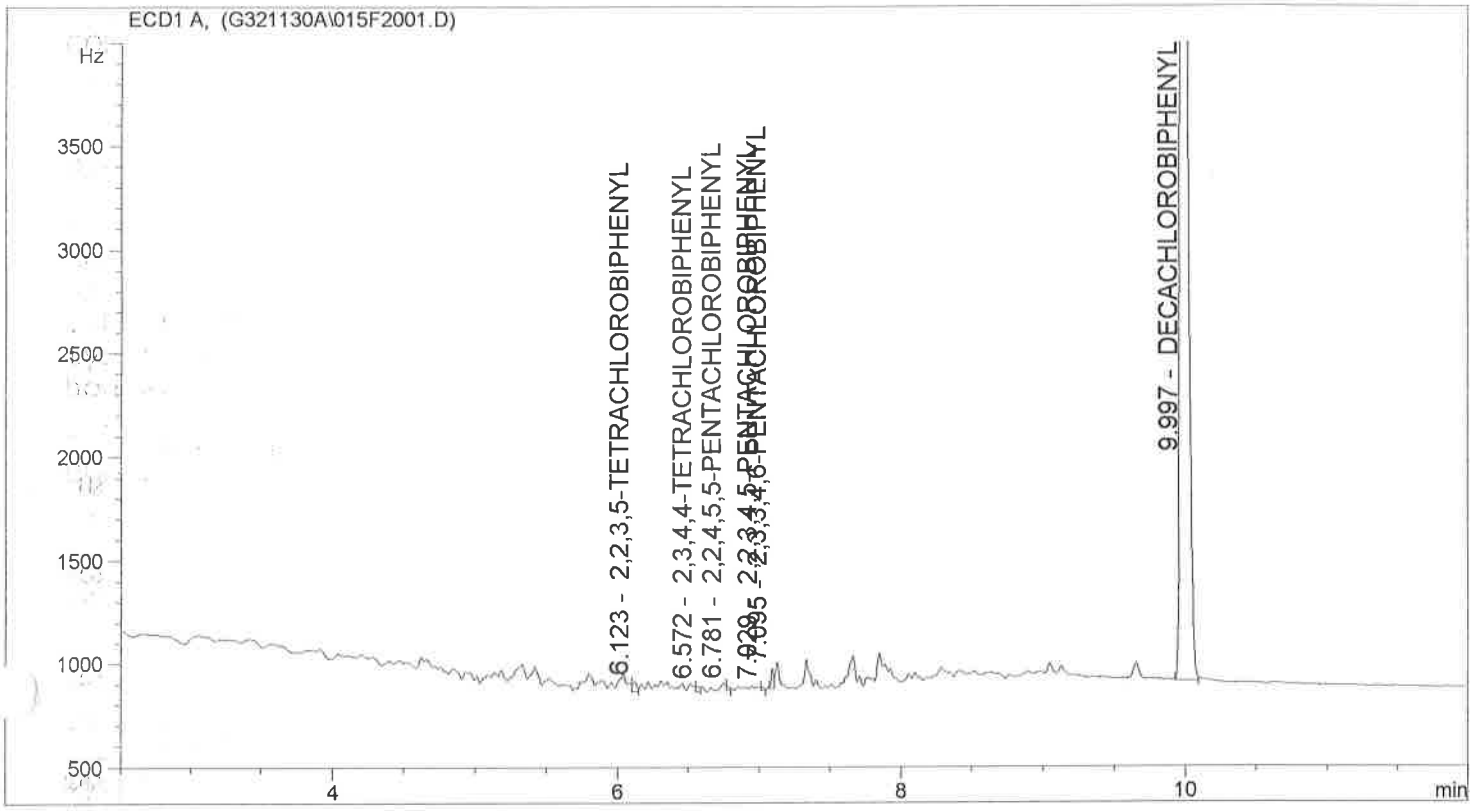
Sample Name : METHOD BLK 3 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\004F0501.D
Injection Date : 11/29/2018 3:07:14 PM Analyst ID. : NK ML AH
Report Created : 12/7/201810:59:37 AM Vial No. : 4
Inj. Method : CONF18C.M Sample Amt. : 2.5488
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	6.120	2,2,3,5-TETRACHLOROBIPHENYL	77.7
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	6.749	2,2,4,5,5-PENTACHLOROBIPHENYL	75.6
7.024	6.998	2,2,3,4,5-PENTACHLOROBIPHENYL	50.2
7.107	7.095	2,3,3,4,6-PENTACHLOROBIPHENYL	127.1
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.995	DECACHLOROBIPHENYL	29773.6

Comments: _____

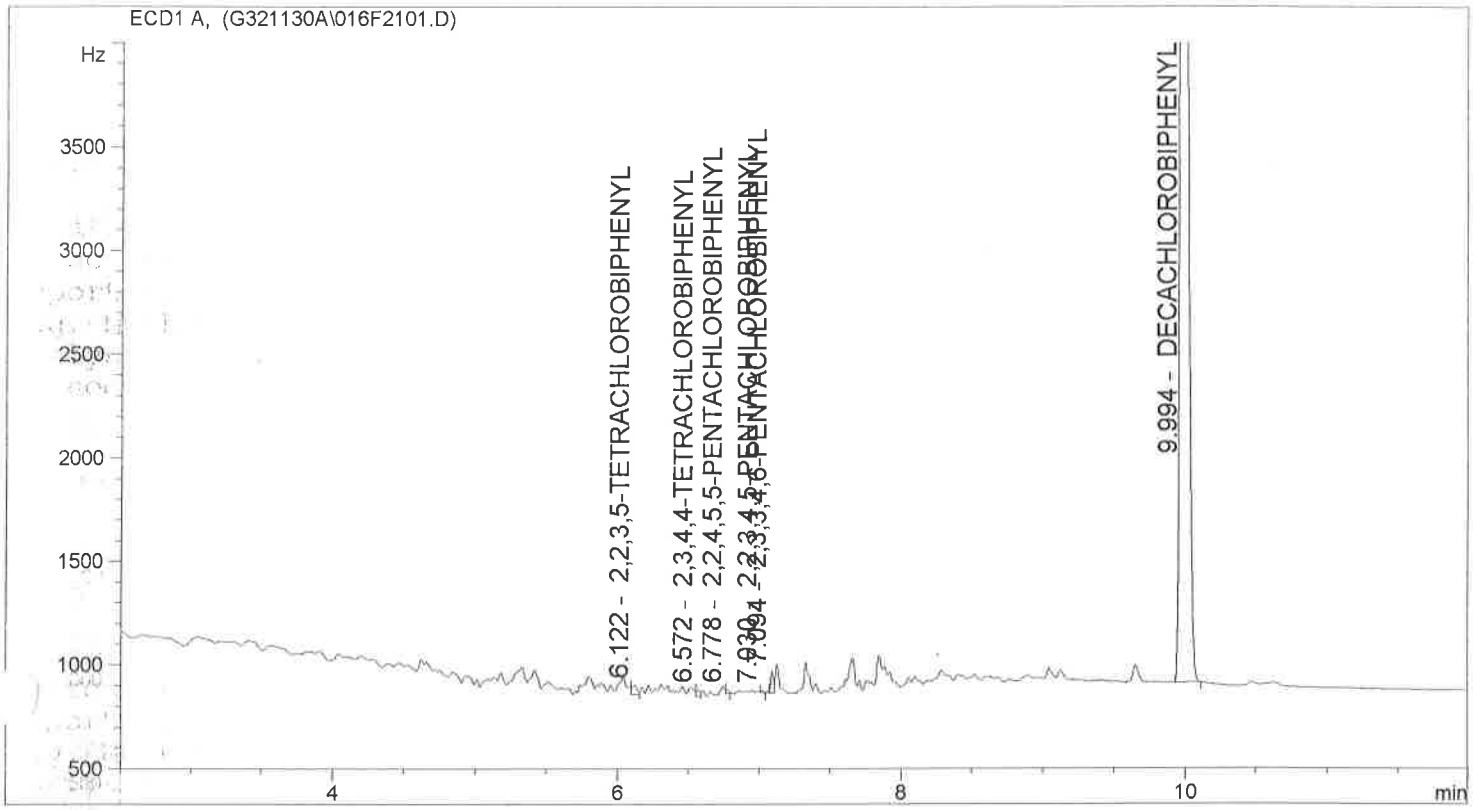
Sample Name : METHOD BLK 1 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\015F2001.D
Injection Date : 11/30/2018 7:15:32 PM Analyst ID. : NK ML AH
Report Created : 12/7/201812:24:28 PM Vial No. : 15
Seq. Method : CONF18C.M Sample Amt. : 2.5470
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	6.123	2,2,3,5-TETRACHLOROBIPHENYL	99.2
6.555	6.572	2,3,4,4-TETRACHLOROBIPHENYL	52.2
6.780	6.781	2,2,4,5,5-PENTACHLOROBIPHENYL	24.8
7.024	7.029	2,2,3,4,5-PENTACHLOROBIPHENYL	18.5
7.107	7.095	2,3,3,4,6-PENTACHLOROBIPHENYL	121.8
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.997	DECACHLOROBIPHENYL	28812.6

Comments: _____

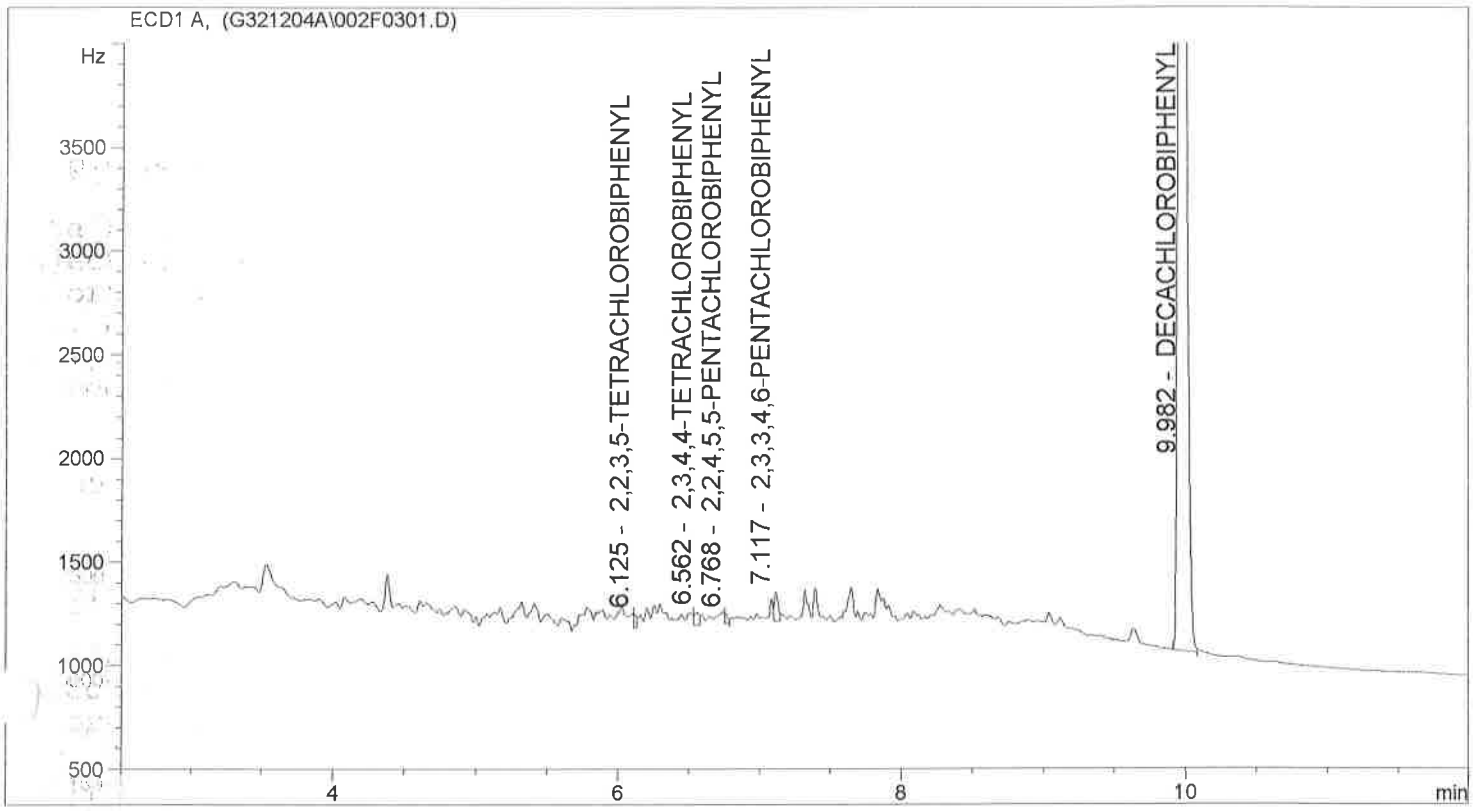
Sample Name : METHOD BLK 2 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\016F2101.D
Injection Date : 11/30/2018 7:30:37 PM Analyst ID. : NK ML AH
Report Created : 12/7/201812:26:20 PM Vial No. : 16
Eq. Method : CONF18C.M Sample Amt. : 2.5522
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	6.122	2,2,3,5-TETRACHLOROBIPHENYL	99.9
6.555	6.572	2,3,4,4-TETRACHLOROBIPHENYL	52.0
6.780	6.778	2,2,4,5,5-PENTACHLOROBIPHENYL	23.2
7.024	7.030	2,2,3,4,5-PENTACHLOROBIPHENYL	9.5
7.107	7.094	2,3,3,4,6-PENTACHLOROBIPHENYL	136.2
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.994	DECACHLOROBIPHENYL	29797.2

Comments: _____

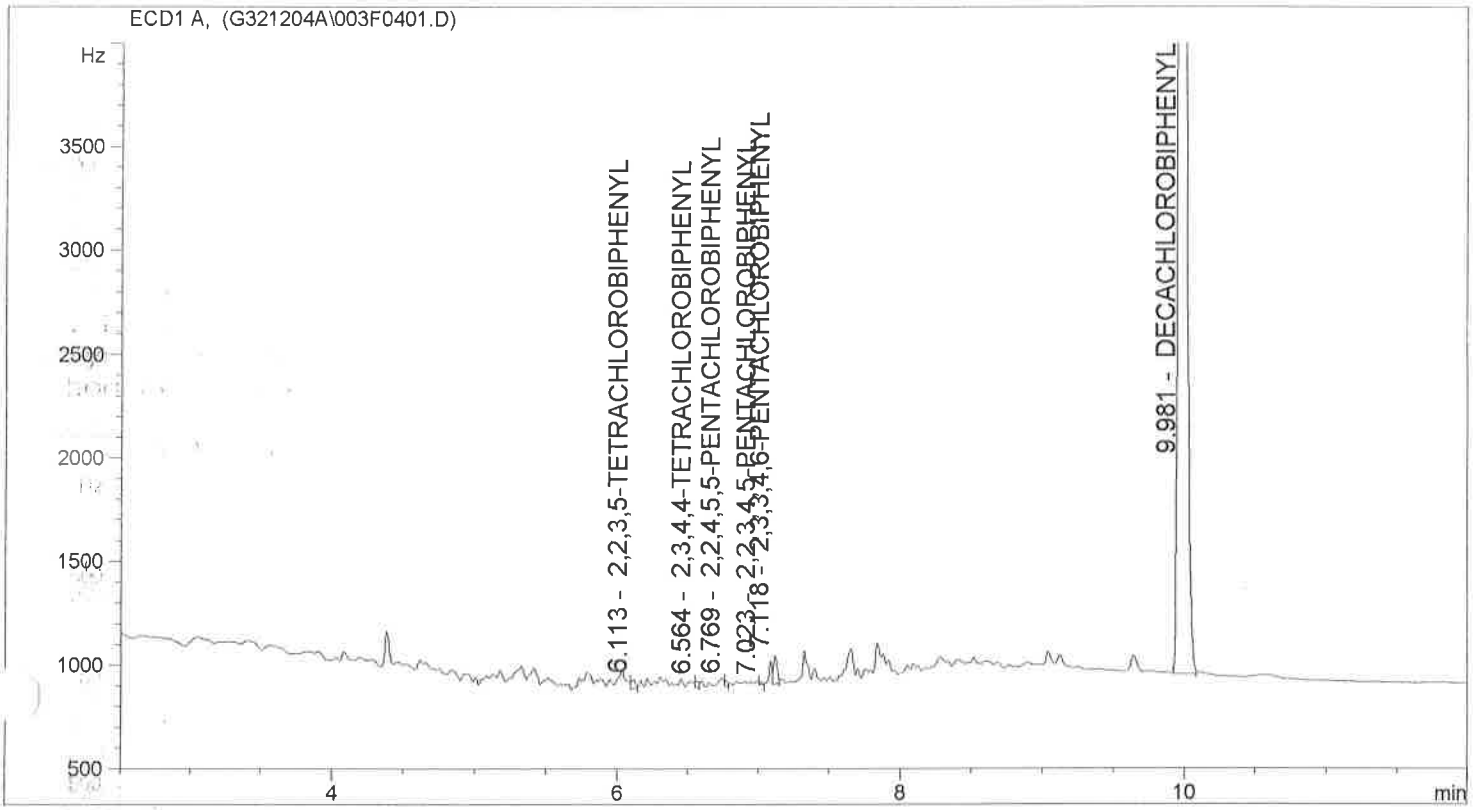
Sample Name : METHOD BLK 1 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204A\002F0301.D
Injection Date : 12/4/2018 12:05:03 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:03:45 PM Vial No. : 2
Inj. Method : CONF18C.M Sample Amt. : 2.5274
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	6.125	2,2,3,5-TETRACHLOROBIPHENYL	85.0
6.555	6.562	2,3,4,4-TETRACHLOROBIPHENYL	141.9
6.780	6.768	2,2,4,5,5-PENTACHLOROBIPHENYL	66.1
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	7.117	2,3,3,4,6-PENTACHLOROBIPHENYL	257.2
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.982	DECACHLOROBIPHENYL	30818.3

Comments: _____

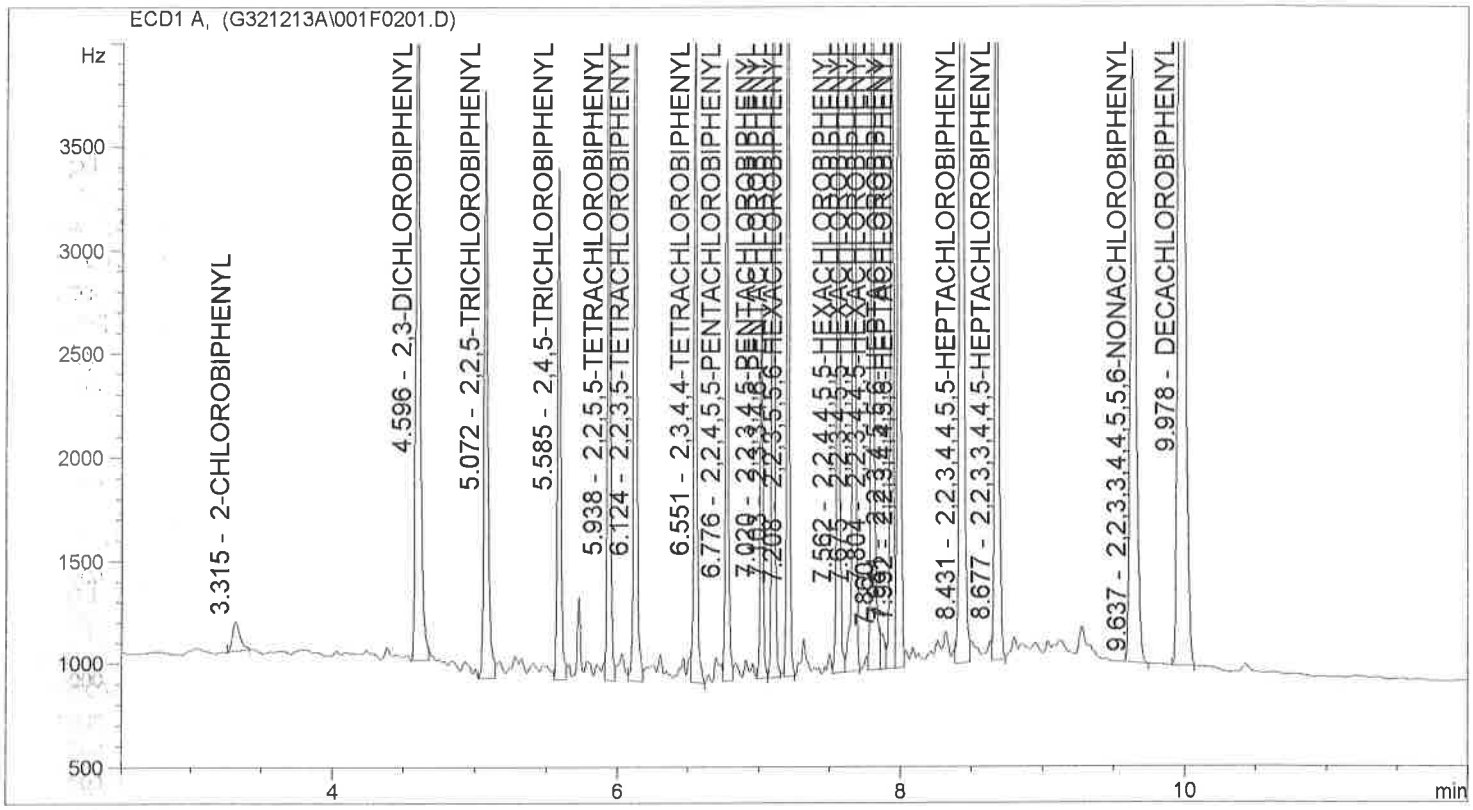
Sample Name : METHOD BLK 2 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204A\003F0401.D
Injection Date : 12/4/2018 12:20:08 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:06:56 PM Vial No. : 3
Meq. Method : CONF18C.M Sample Amt. : 2.5440
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	6.113	2,2,3,5-TETRACHLOROBIPHENYL	89.1
6.555	6.564	2,3,4,4-TETRACHLOROBIPHENYL	47.7
6.780	6.769	2,2,4,5,5-PENTACHLOROBIPHENYL	34.5
7.024	7.023	2,2,3,4,5-PENTACHLOROBIPHENYL	15.9
7.107	7.118	2,3,3,4,6-PENTACHLOROBIPHENYL	239.3
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.981	DECACHLOROBIPHENYL	31654.3

Comments: _____

Sample Name : CCS 2PCBS-791 Inst. GC #32F - Congener Analysis ->
Data File : C:\HPCHEM\1\DATA\2018\G321213A\001F0201.D
Injection Date : 12/13/2018 9:25:21 AM Analyst ID. : NK ML AH
Report Created : 12/13/201811:36:07 AM Vial No. : 1
Acq. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000

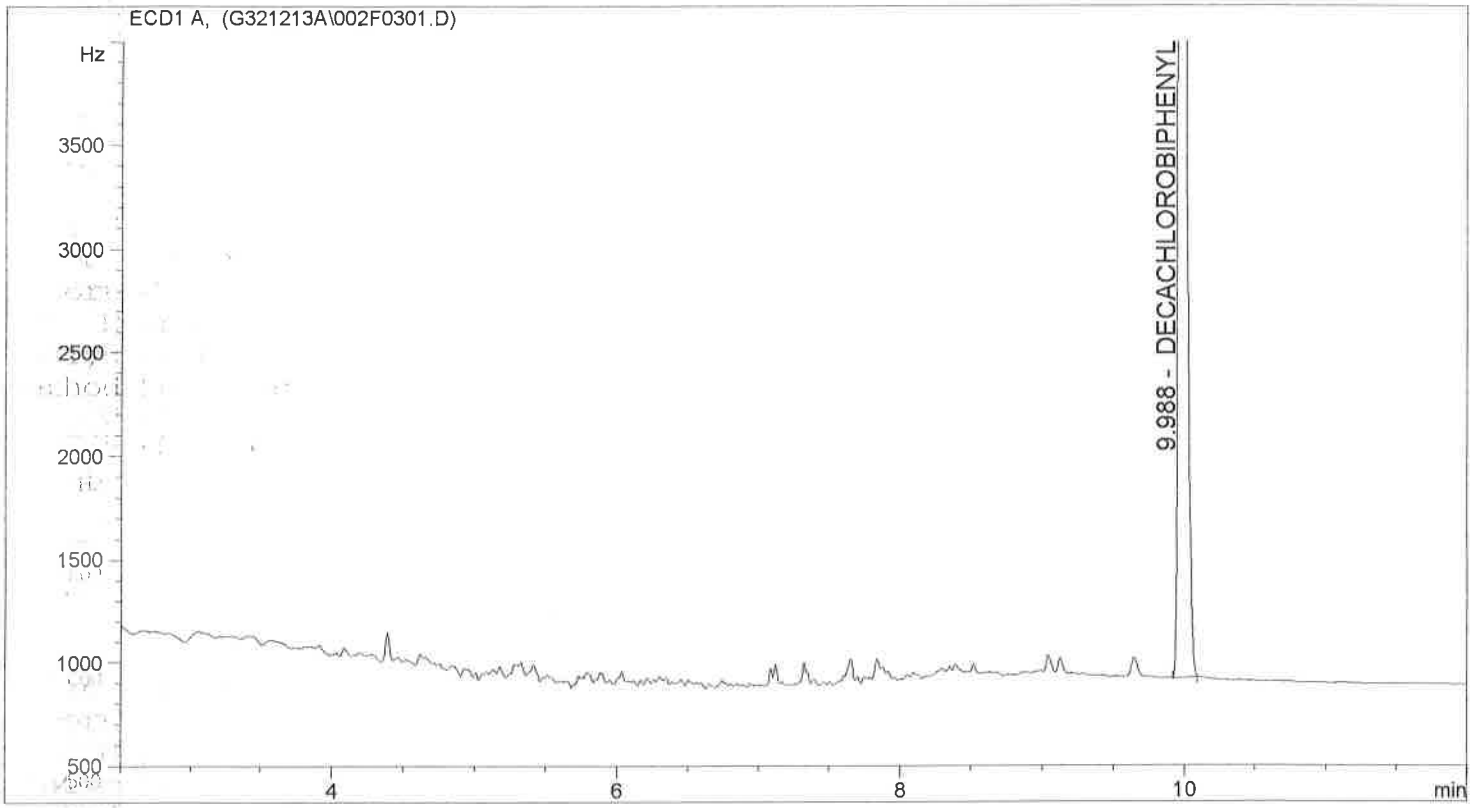


CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.315	2-CHLOROBIPHENYL	536.4
4.599	4.596	2,3-DICHLOROBIPHENYL	6922.4
5.076	5.072	2,2,5-TRICHLOROBIPHENYL	5052.7
5.589	5.585	2,4,5-TRICHLOROBIPHENYL	3856.1
5.942	5.938	2,2,5,5-TETRACHLOROBIPHENYL	4963.8
6.128	6.124	2,2,3,5-TETRACHLOROBIPHENYL	6574.6
6.555	6.551	2,3,4,4-TETRACHLOROBIPHENYL	4972.2
6.780	6.776	2,2,4,5,5-PENTACHLOROBIPHENYL	4139.3
7.024	7.020	2,2,3,4,5-PENTACHLOROBIPHENYL	2371.5
7.107	7.103	2,3,3,4,6-PENTACHLOROBIPHENYL	5346.2
7.211	7.208	2,2,3,5,5,6-HEXACHLOROBIPHENYL	5151.9
7.565	7.562	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4892.9
7.679	7.675	2,2,3,4,5,5-HEXACHLOROBIPHENYL	7322.4
7.807	7.804	2,2,3,4,4,5-HEXACHLOROBIPHENYL	6161.7
7.943	7.941	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5770.2
7.994	7.992	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	6282.3
8.431	8.431	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	11182.0
8.677	8.677	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	7262.7
9.634	9.637	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	8421.6
9.973	9.978	DECACHLOROBIPHENYL	15469.4

Comments: _____

Sample Name : METHOD BLANK Inst. GC #32F - Congener Analysis

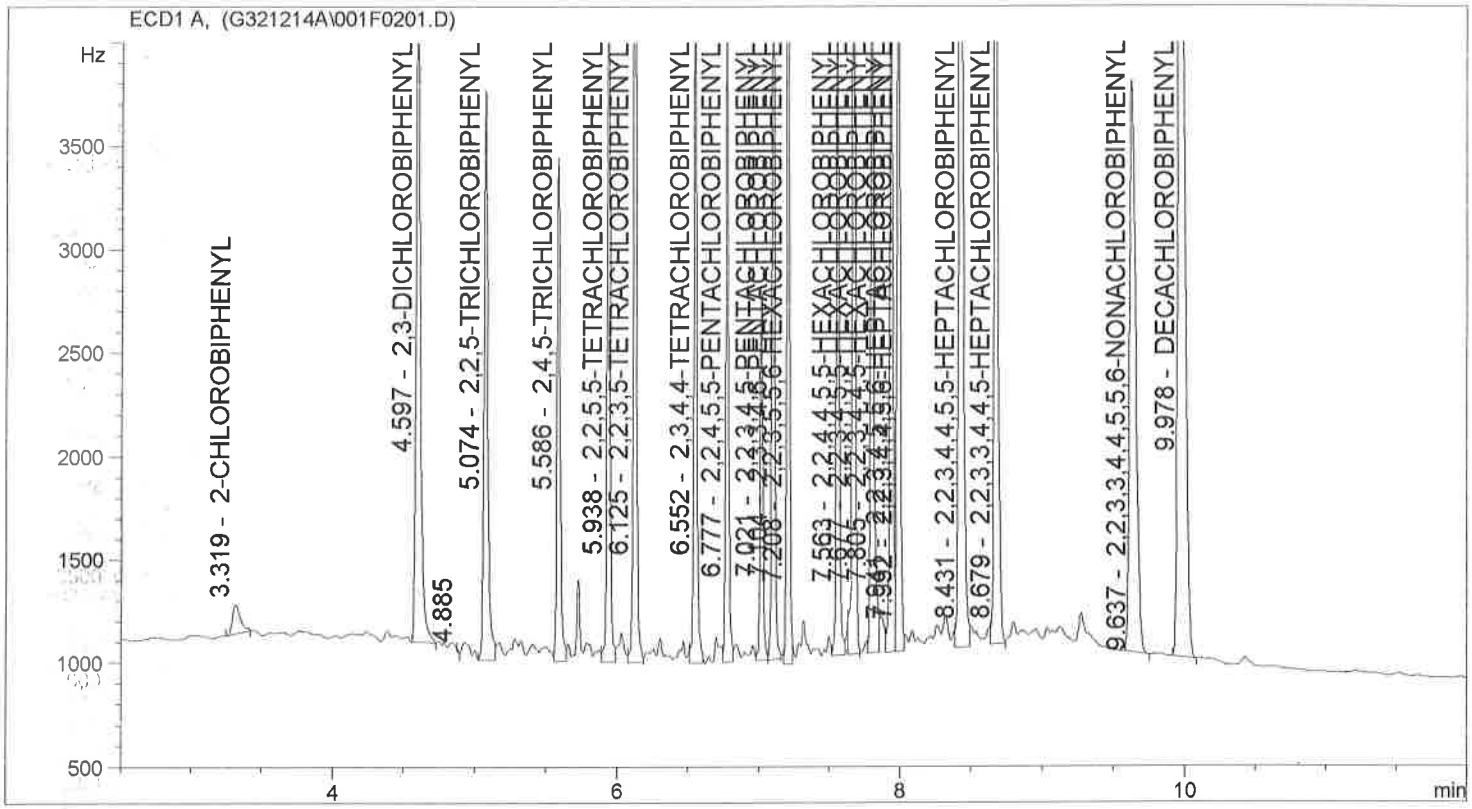
Data File : C:\HPCHEM\1\DATA\2018\G321213A\002F0301.D
Injection Date : 12/13/2018 9:40:34 AM Analyst ID. : NK ML AH
Report Created : 12/13/201811:37:22 AM Vial No. : 2
Acq. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.988	DECACHLOROBIPHENYL	34301.4

Comments: _____

Sample Name : CCS Inst. GC #32F - Congener Analysis
2PCBS-791 ->
Data File : C:\HPCHEM\1\DATA\2018\G321214A\001F0201.D
Injection Date : 12/14/2018 4:35:16 PM Analyst ID. : NK ML AH
Report Created : 12/16/2018 9:56:28 AM Vial No. : 1
Acq. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000

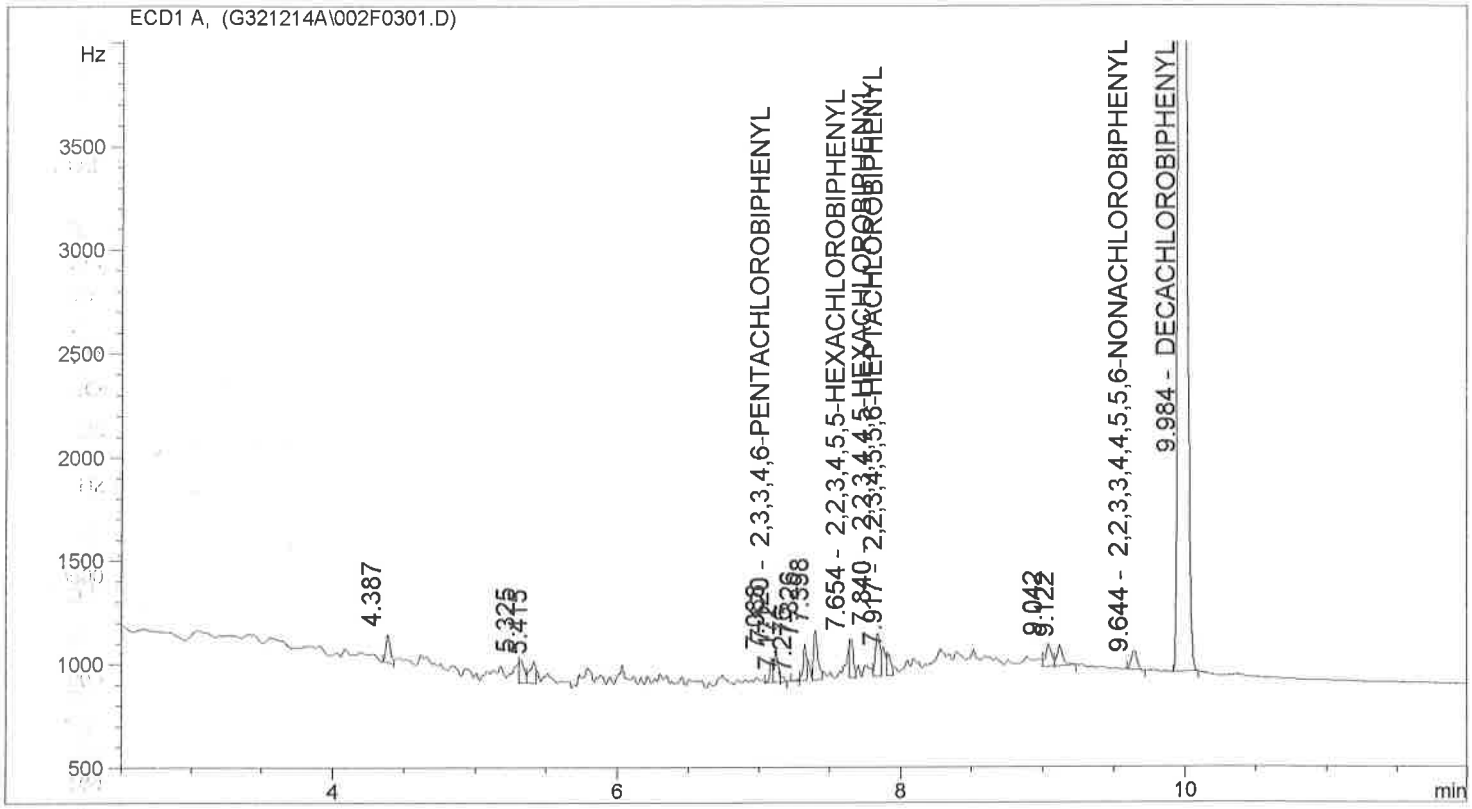


CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.319	2-CHLOROBIPHENYL	548.9
4.599	4.597	2,3-DICHLOROBIPHENYL	6877.9
5.076	5.074	2,2,5-TRICHLOROBIPHENYL	5027.0
5.589	5.586	2,4,5-TRICHLOROBIPHENYL	3833.3
5.942	5.938	2,2,5,5-TETRACHLOROBIPHENYL	5008.0
6.128	6.125	2,2,3,5-TETRACHLOROBIPHENYL	6456.7
6.555	6.552	2,3,4,4-TETRACHLOROBIPHENYL	4888.5
6.780	6.777	2,2,4,5,5-PENTACHLOROBIPHENYL	4071.8
7.024	7.021	2,2,3,4,5-PENTACHLOROBIPHENYL	2372.3
7.107	7.104	2,3,3,4,6-PENTACHLOROBIPHENYL	5316.1
7.211	7.208	2,2,3,5,5,6-HEXACHLOROBIPHENYL	5175.4
7.565	7.563	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4849.7
7.679	7.677	2,2,3,4,5,5-HEXACHLOROBIPHENYL	7091.8
7.807	7.805	2,2,3,4,4,5-HEXACHLOROBIPHENYL	6063.8
7.943	7.941	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5744.9
7.994	7.992	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	6265.5
8.431	8.431	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	11162.1
8.677	8.679	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	7237.4
9.634	9.637	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	8357.0
9.973	9.978	DECACHLOROBIPHENYL	15395.0

Comments: _____

Sample Name : METHOD BLANK Inst. GC #32F - Congener Analysis

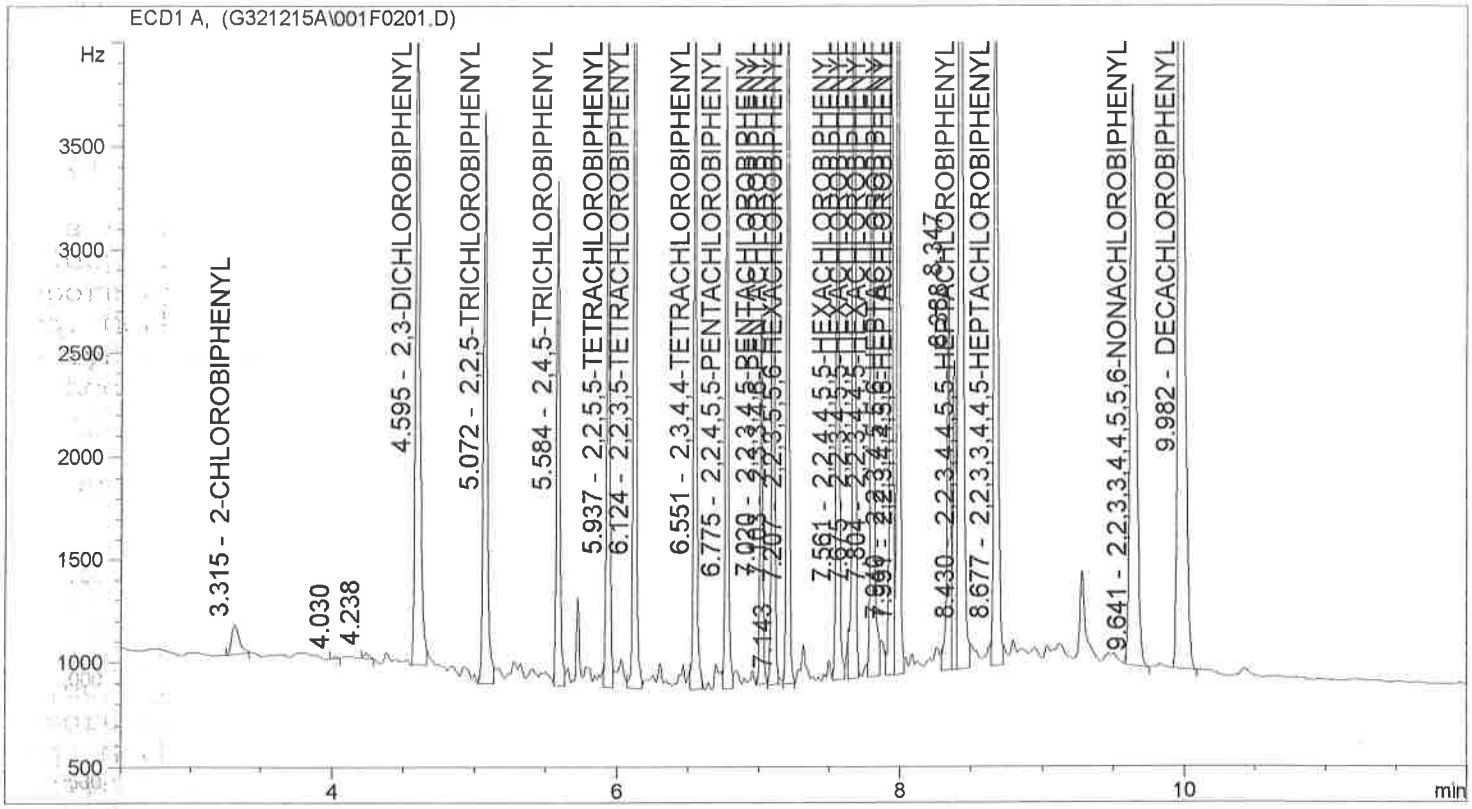
Data File : C:\HPCHEM\1\DATA\2018\G321214A\002F0301.D
Injection Date : 12/14/2018 4:50:17 PM Analyst ID. : NK ML AH
Report Created : 12/16/2018 9:58:53 AM Vial No. : 2
Acq. Method : CONF18C.M Sample Amt. : 2.5447
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	7.120	2,3,3,4,6-PENTACHLOROBIPHENYL	277.7
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	7.654	2,2,3,4,5,5-HEXACHLOROBIPHENYL	345.5
7.807	7.840	2,2,3,4,4,5-HEXACHLOROBIPHENYL	469.3
7.943	7.917	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	212.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.644	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	253.9
9.973	9.984	DECACHLOROBIPHENYL	33499.5

Comments: _____

Sample Name : CCS 2PCBS-791 Inst. GC #32F - Congener Analysis ->
Data File : C:\HPCHEM\1\DATA\2018\G321215A\001F0201.D
Injection Date : 12/15/2018 2:23:03 PM Analyst ID. : NK ML AH
Report Created : 12/16/201810:04:48 AM Vial No. : 1
Acq. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000

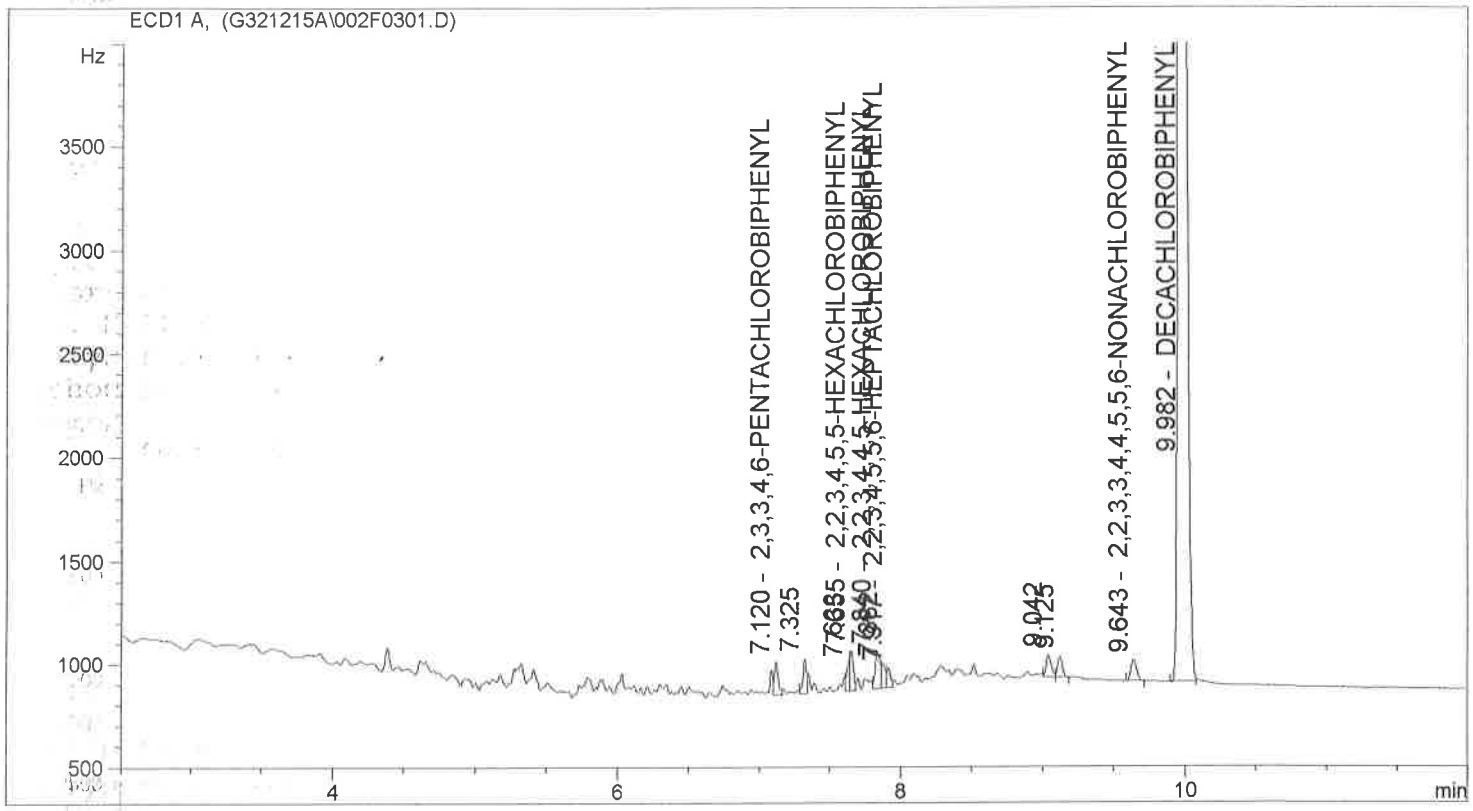


CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.315	2-CHLOROBIPHENYL	540.7
4.599	4.595	2,3-DICHLOROBIPHENYL	6864.0
5.076	5.072	2,2,5-TRICHLOROBIPHENYL	5011.7
5.589	5.584	2,4,5-TRICHLOROBIPHENYL	3849.9
5.942	5.937	2,2,5,5-TETRACHLOROBIPHENYL	4930.3
6.128	6.124	2,2,3,5-TETRACHLOROBIPHENYL	6467.9
6.555	6.551	2,3,4,4-TETRACHLOROBIPHENYL	4916.4
6.780	6.775	2,2,4,5,5-PENTACHLOROBIPHENYL	4116.9
7.024	7.020	2,2,3,4,5-PENTACHLOROBIPHENYL	2317.1
7.107	7.103	2,3,3,4,6-PENTACHLOROBIPHENYL	5308.8
7.211	7.207	2,2,3,5,5,6-HEXACHLOROBIPHENYL	5110.3
7.565	7.561	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4863.9
7.679	7.675	2,2,3,4,5,5-HEXACHLOROBIPHENYL	7108.2
7.807	7.804	2,2,3,4,4,5-HEXACHLOROBIPHENYL	6105.0
7.943	7.940	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5741.1
7.994	7.991	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	6269.0
8.431	8.430	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	11574.7
8.677	8.677	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	7307.2
9.634	9.641	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	8398.2
9.973	9.982	DECACHLOROBIPHENYL	15338.0

Comments: _____

Sample Name : METHOD BLANK Inst. GC #32F - Congener Analysis

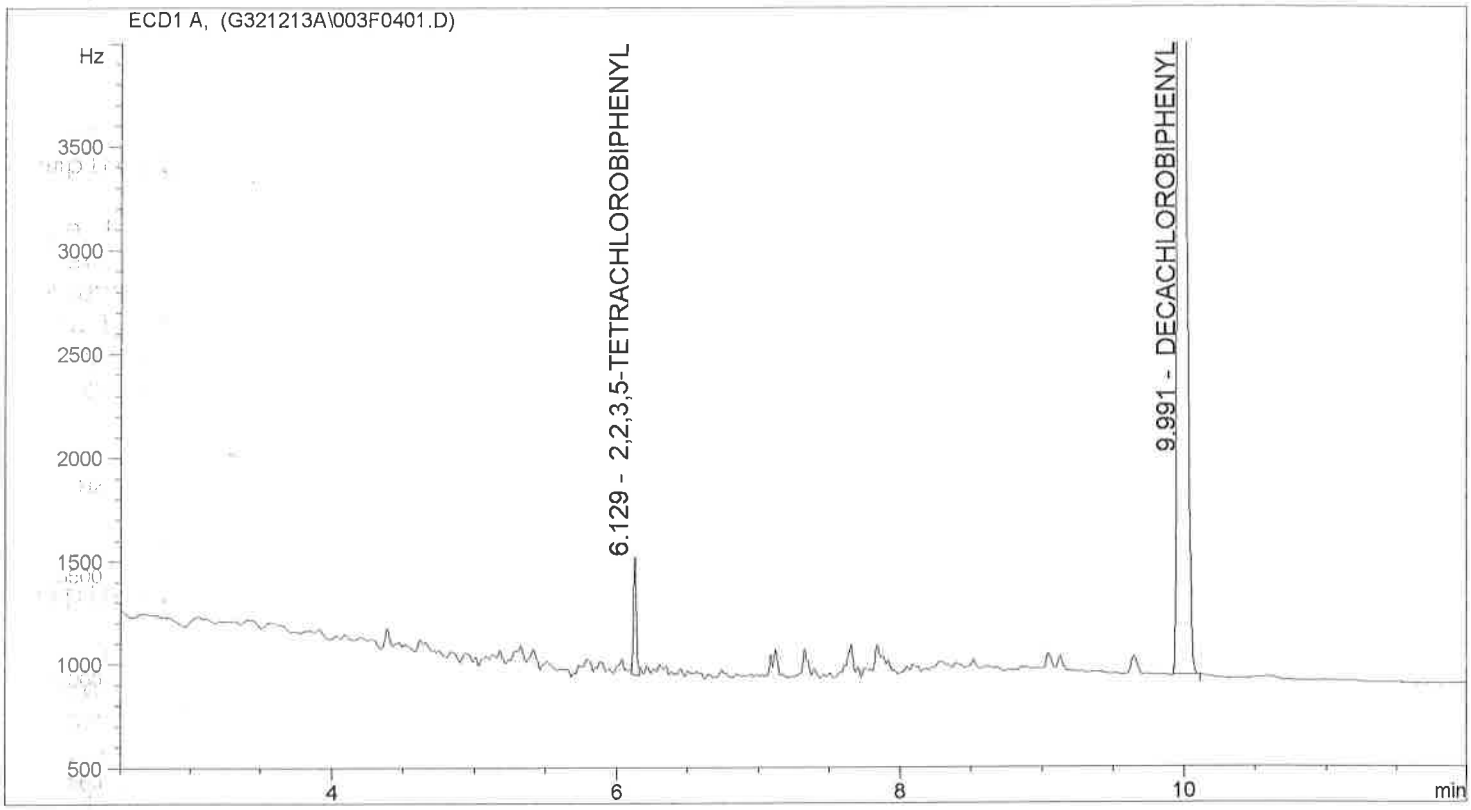
Data File : C:\HPCHEM\1\DATA\2018\G321215A\002F0301.D
Injection Date : 12/15/2018 2:38:07 PM Analyst ID. : NK ML AH
Report Created : 12/16/201810:08:15 AM Vial No. : 2
Acq. Method : CONF18C.M Sample Amt. : 2.5441
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	7.120	2,3,3,4,6-PENTACHLOROBIPHENYL	304.9
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	7.655	2,2,3,4,5,5-HEXACHLOROBIPHENYL	319.9
7.807	7.840	2,2,3,4,4,5-HEXACHLOROBIPHENYL	436.5
7.943	7.917	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	176.6
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.643	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	287.8
9.973	9.982	DECACHLOROBIPHENYL	35617.3

Comments: _____

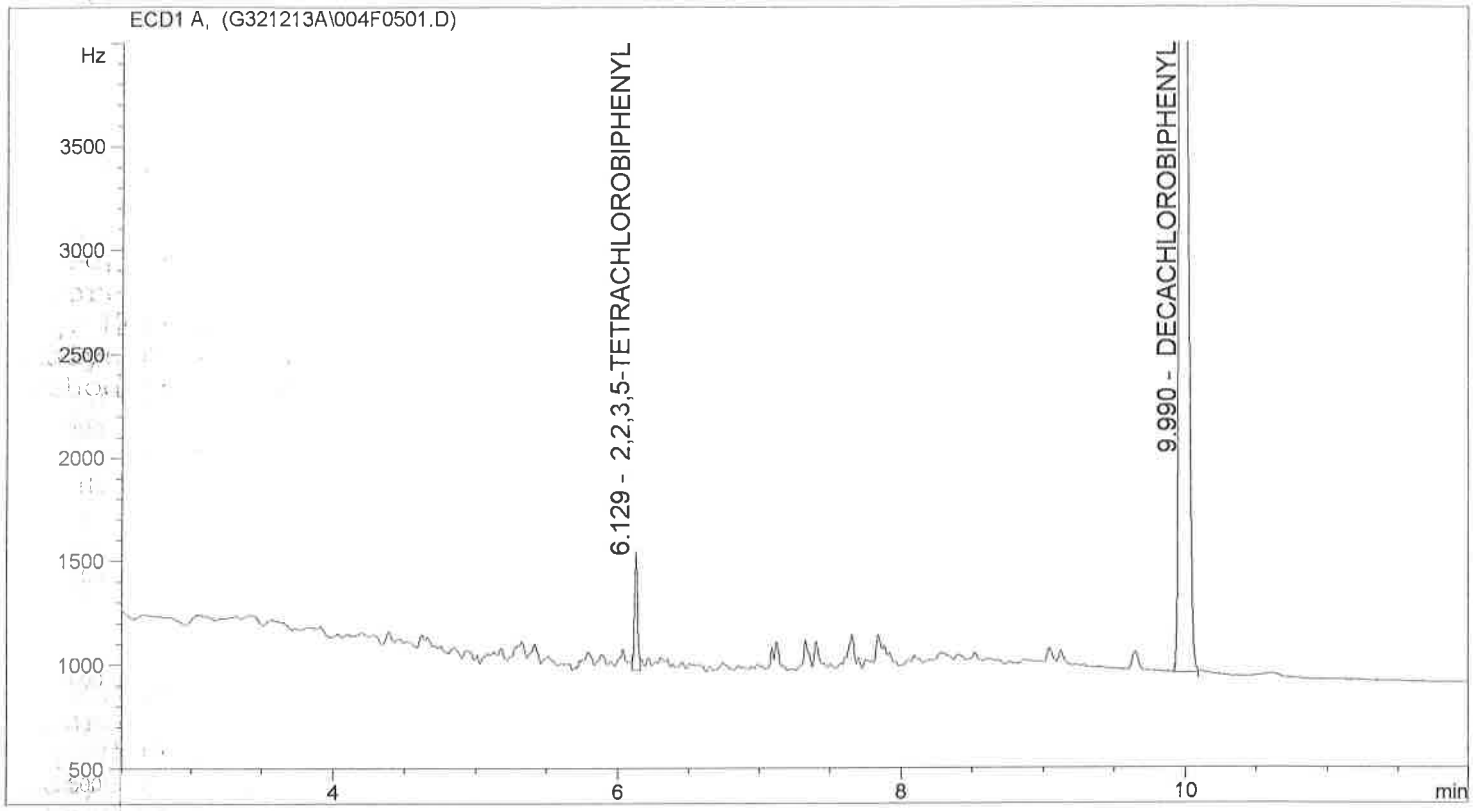
Sample Name : 2PCBS-759 A Inst. GC #32F - Congener Analysis
DAY 1 0.02 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321213A\003F0401.D
Injection Date : 12/13/2018 9:55:38 AM Analyst ID. : NK ML AH
Report Created : 12/13/2018 1:33:27 PM Vial No. : 3
Acq. Method : CONF18C.M Sample Amt. : 2.5314
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	6.129	2,2,3,5-TETRACHLOROBIPHENYL	800.9
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.991	DECACHLOROBIPHENYL	33993.2

Comments: _____

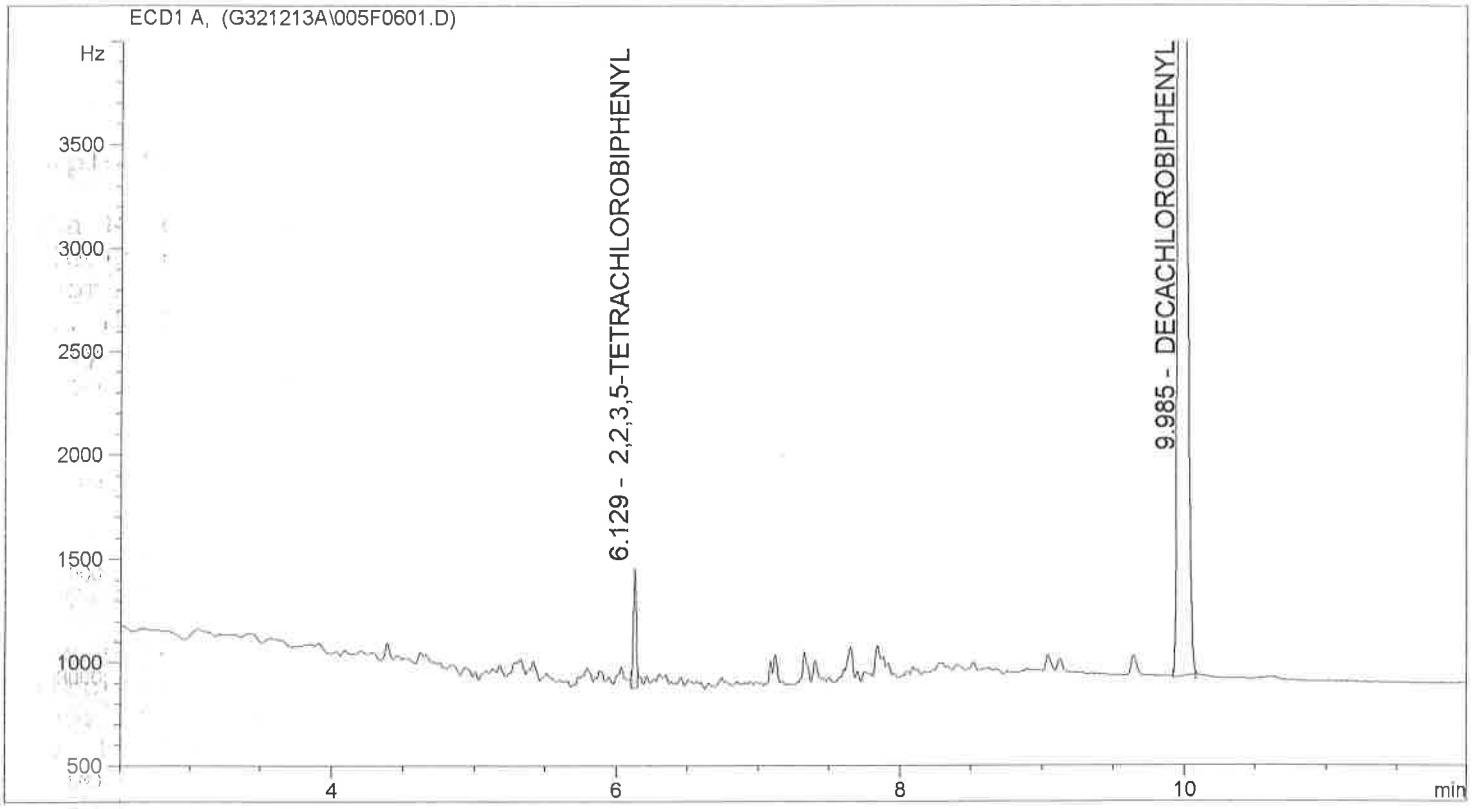
Sample Name : 2PCBS-759 B Inst. GC #32F - Congener Analysis
DAY 1 0.02 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321213A\004F0501.D
Injection Date : 12/13/2018 10:10:-> Analyst ID. : NK ML AH
Report Created : 12/13/201811:43:59 AM Vial No. : 4
Acq. Method : CONF18C.M Sample Amt. : 2.5523
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	6.129	2,2,3,5-TETRACHLOROBIPHENYL	819.6
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.990	DECACHLOROBIPHENYL	33806.5

Comments: _____

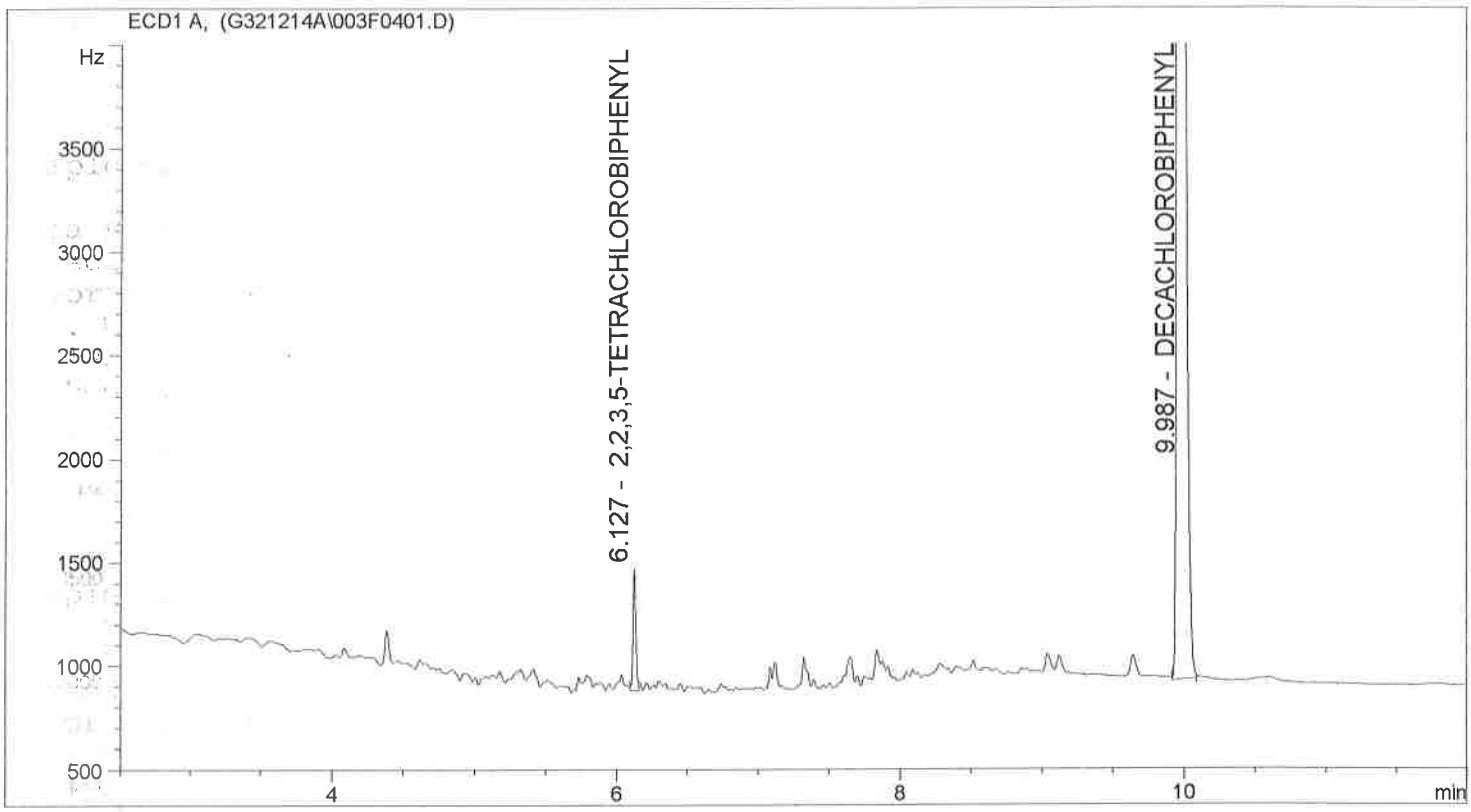
Sample Name : 2PCBS-759 C Inst. GC #32F - Congener Analysis
DAY 1 0.02 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321213A\005F0601.D
Injection Date : 12/13/2018 10:25:-> Analyst ID. : NK ML AH
Report Created : 12/13/2018 1:36:24 PM Vial No. : 5
Acq. Method : CONF18C.M Sample Amt. : 2.5456
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	6.129	2,2,3,5-TETRACHLOROBIPHENYL	796.6
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.985	DECACHLOROBIPHENYL	34069.1

Comments: _____

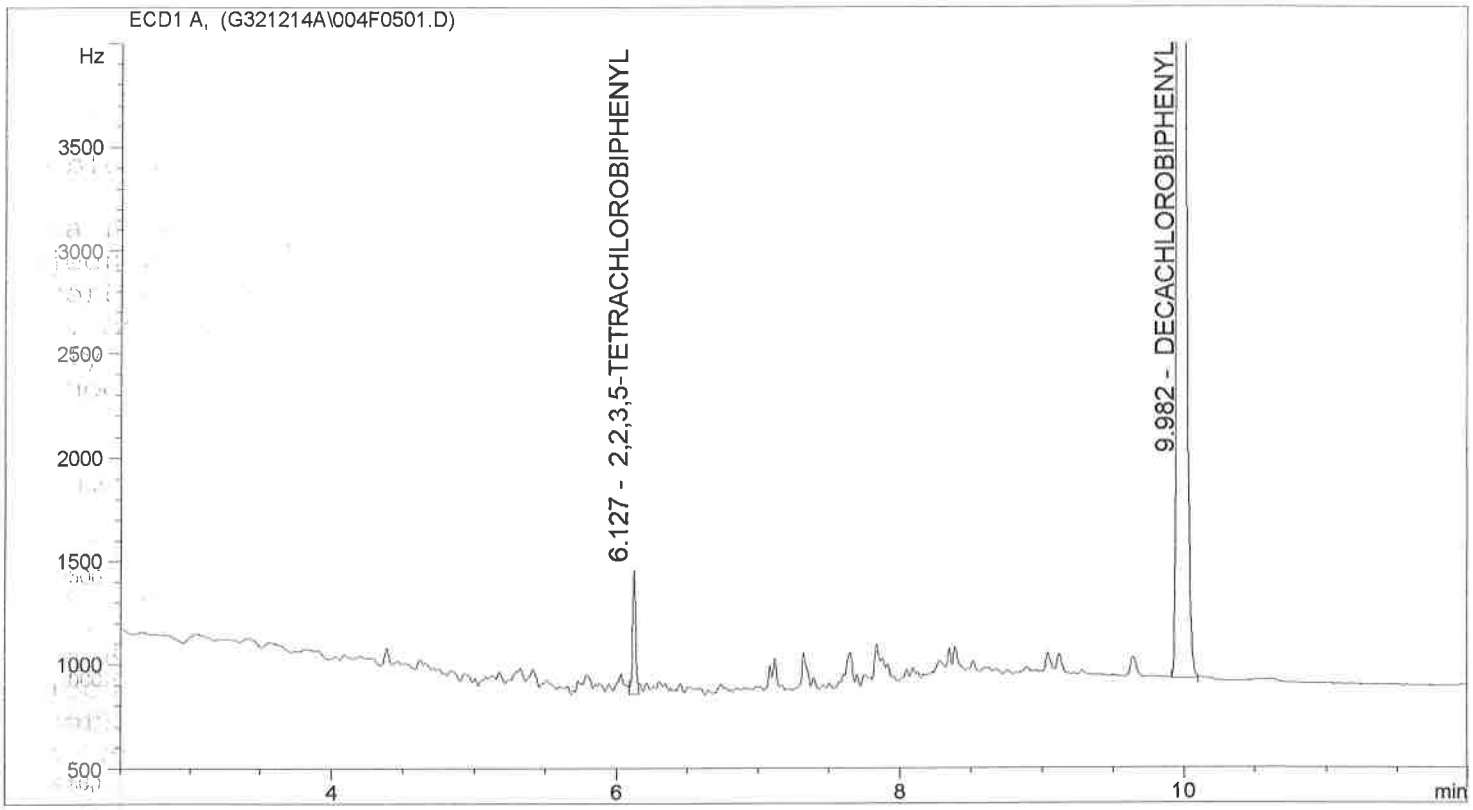
Sample Name : 2PCBS-759 D Inst. GC #32F - Congener Analysis
DAY 2 0.02 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321214A\003F0401.D
Injection Date : 12/14/2018 5:05:31 PM Analyst ID. : NK ML AH
Report Created : 12/16/201810:00:37 AM Vial No. : 3
Acq. Method : CONF18C.M Sample Amt. : 2.5635
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	6.127	2,2,3,5-TETRACHLOROBIPHENYL	813.9
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.987	DECACHLOROBIPHENYL	36001.3

Comments: _____

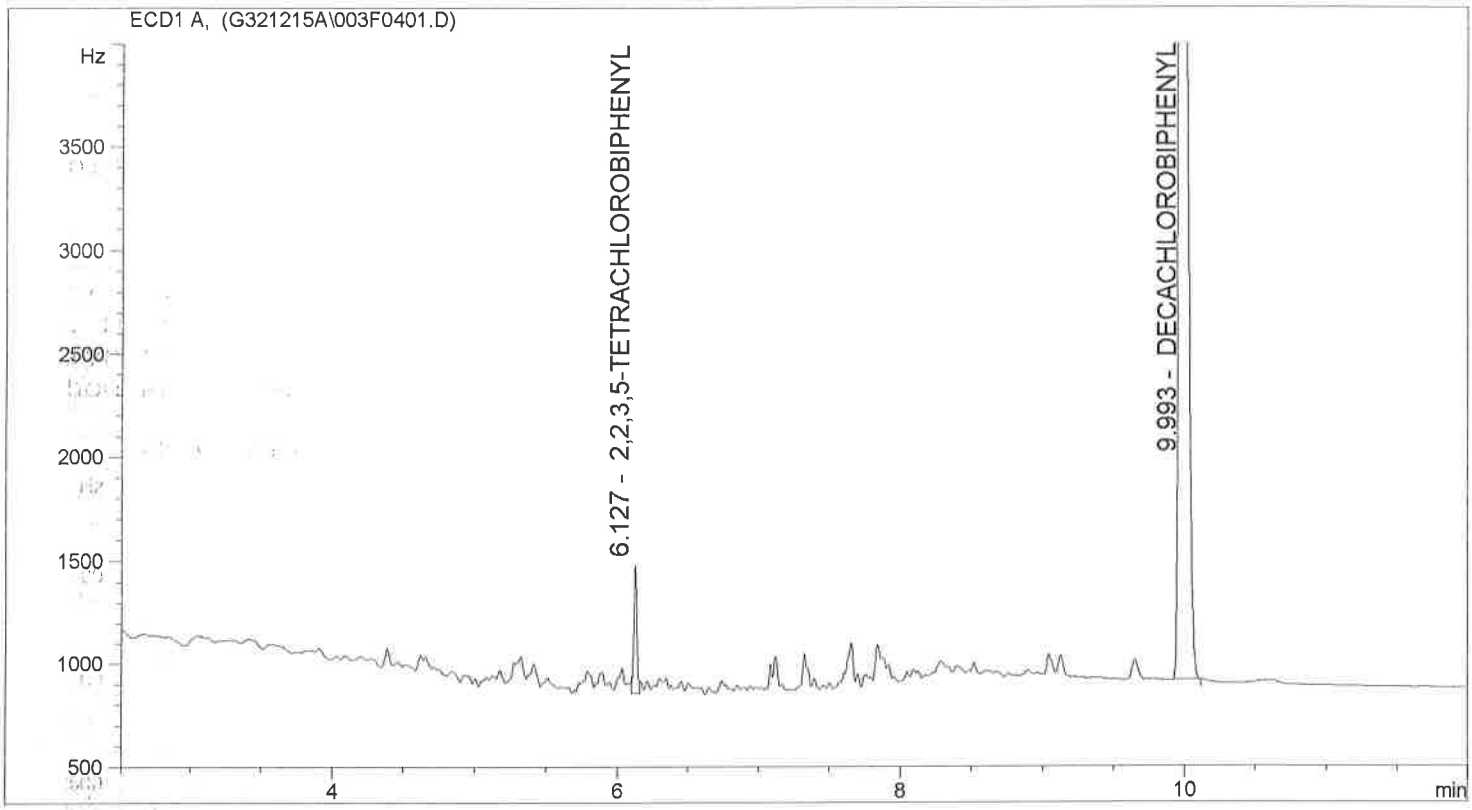
Sample Name : 2PCBS-759 E Inst. GC #32F - Congener Analysis
DAY 2 0.02 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321214A\004F0501.D
Injection Date : 12/14/2018 5:20:46 PM Analyst ID. : NK ML AH
Report Created : 12/16/201810:01:51 AM Vial No. : 4
Acq. Method : CONF18C.M Sample Amt. : 2.5295
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	6.127	2,2,3,5-TETRACHLOROBIPHENYL	904.1
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.982	DECACHLOROBIPHENYL	35457.9

Comments: _____

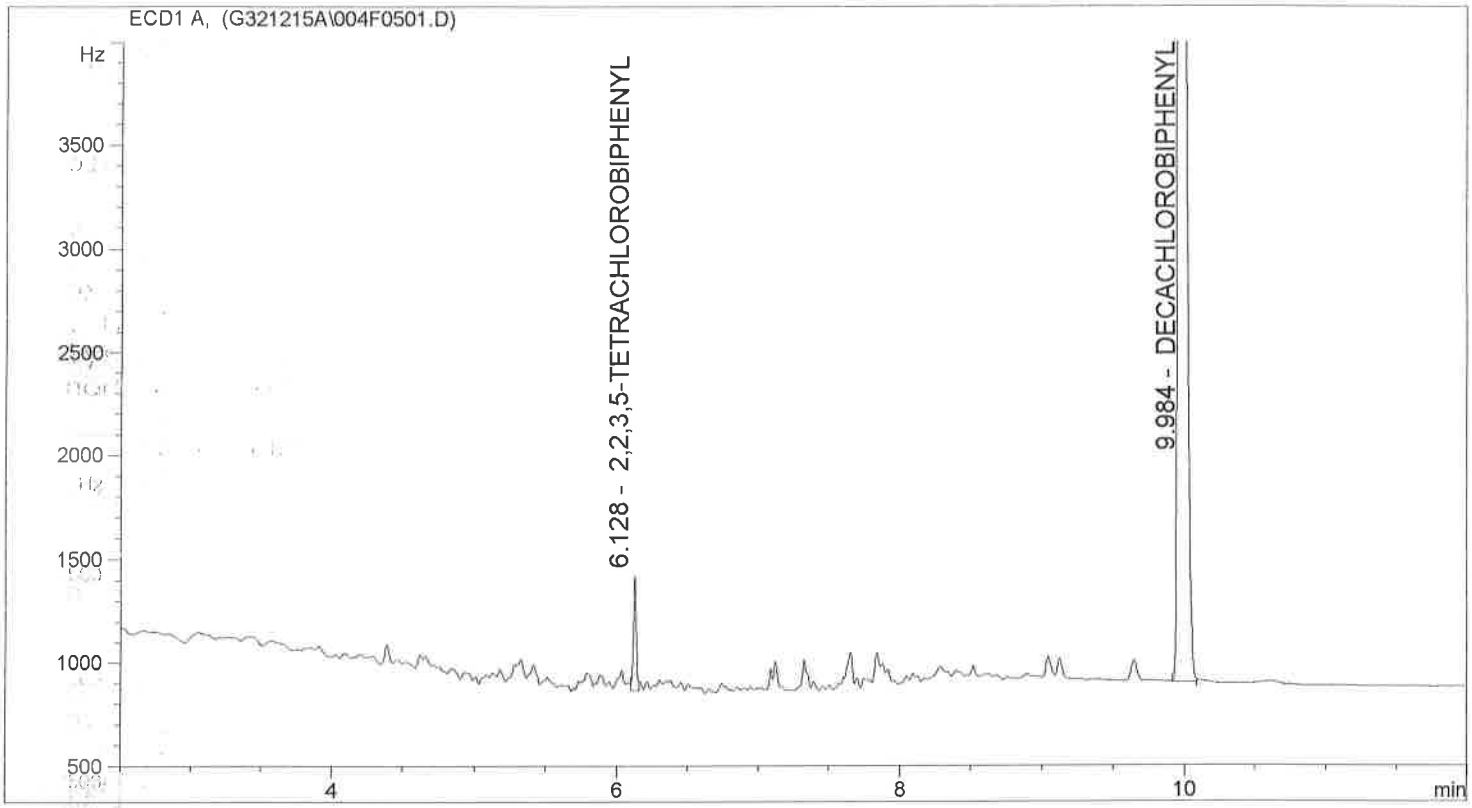
Sample Name : 2PCBS-759 F Inst. GC #32F - Congener Analysis
DAY 3 0.02 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321215A\003F0401.D
Injection Date : 12/15/2018 2:53:11 PM Analyst ID. : NK ML AH
Report Created : 12/16/201810:08:50 AM Vial No. : 3
Acq. Method : CONF18C.M Sample Amt. : 2.5395
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	6.127	2,2,3,5-TETRACHLOROBIPHENYL	917.5
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.993	DECACHLOROBIPHENYL	36624.8

Comments: _____

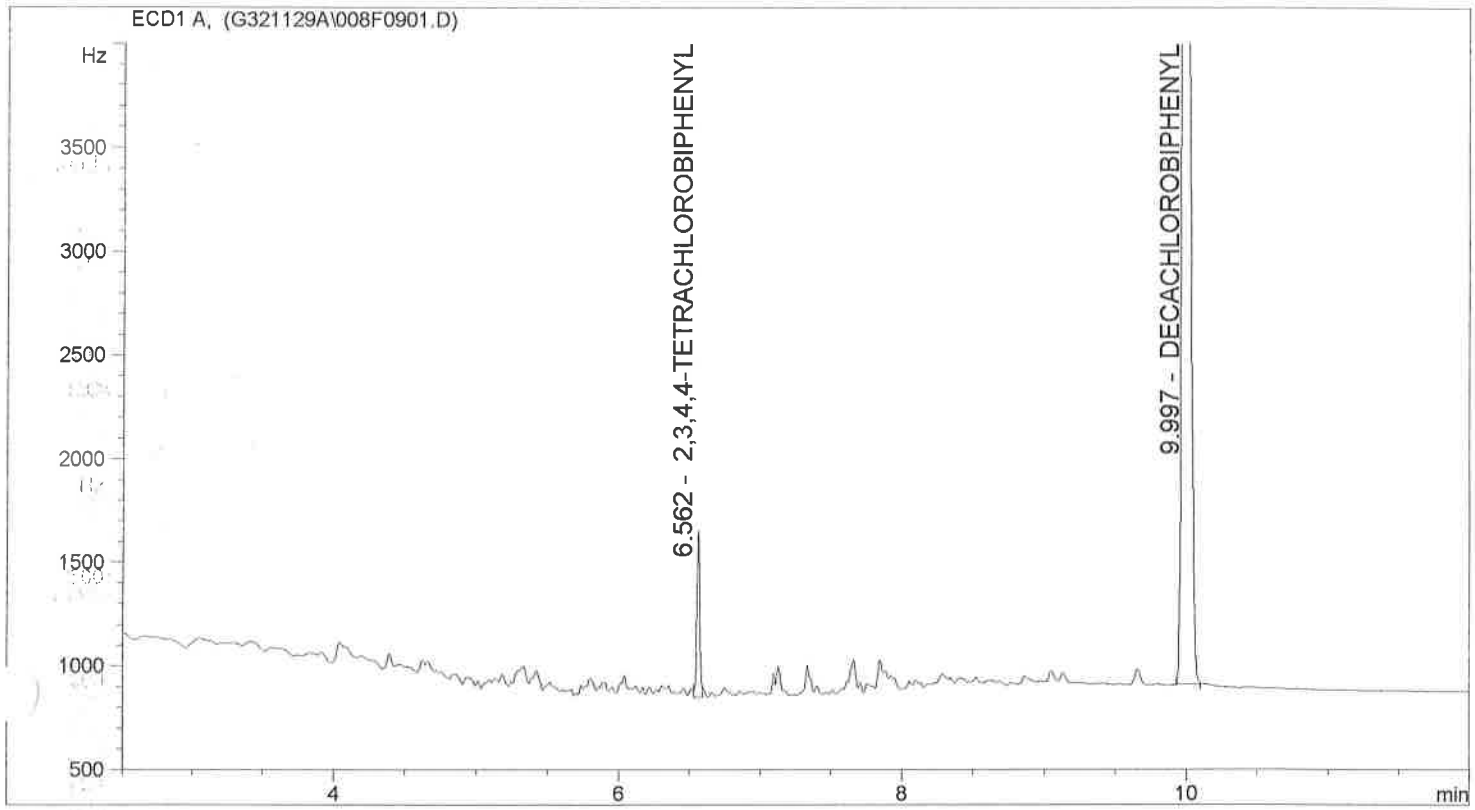
Sample Name : 2PCBS-759 G Inst. GC #32F - Congener Analysis
DAY 3 0.02 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321215A\004F0501.D
Injection Date : 12/15/2018 3:08:16 PM Analyst ID. : NK ML AH
Report Created : 12/16/201810:09:40 AM Vial No. : 4
Acq. Method : CONF18C.M Sample Amt. : 2.5618
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	6.128	2,2,3,5-TETRACHLOROBIPHENYL	796.6
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.984	DECACHLOROBIPHENYL	34865.8

Comments: _____

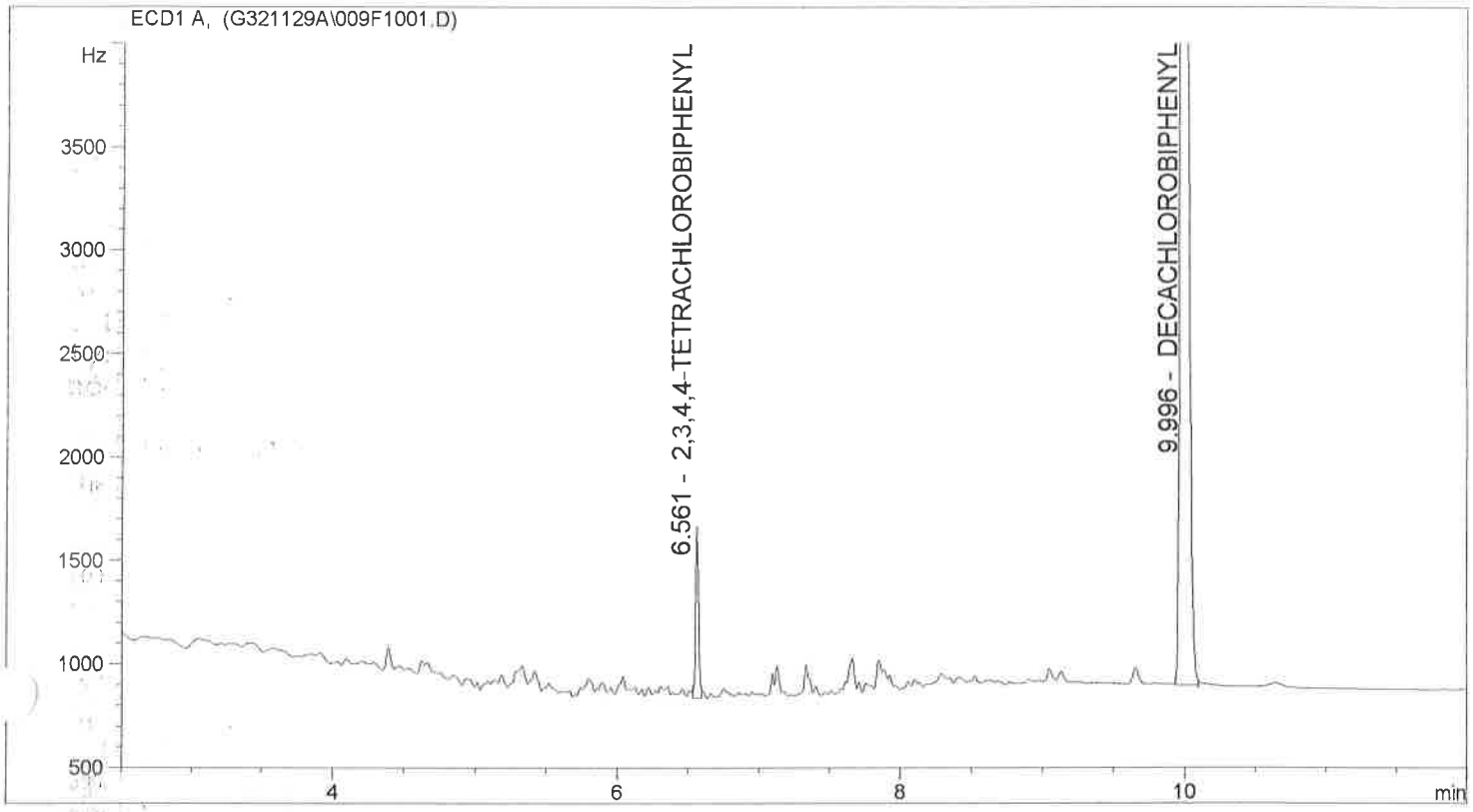
Sample Name : 2PCBS-761 A Inst. GC #32F - Congener Analysis
DAY 1 0.024 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\008F0901.D
Injection Date : 11/29/2018 4:07:51 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:19:42 AM Vial No. : 8
Seq. Method : CONF18C.M Sample Amt. : 2.5537
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	6.562	2,3,4,4-TETRACHLOROBIPHENYL	1149.5
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.997	DECACHLOROBIPHENYL	29429.9

Comments: _____

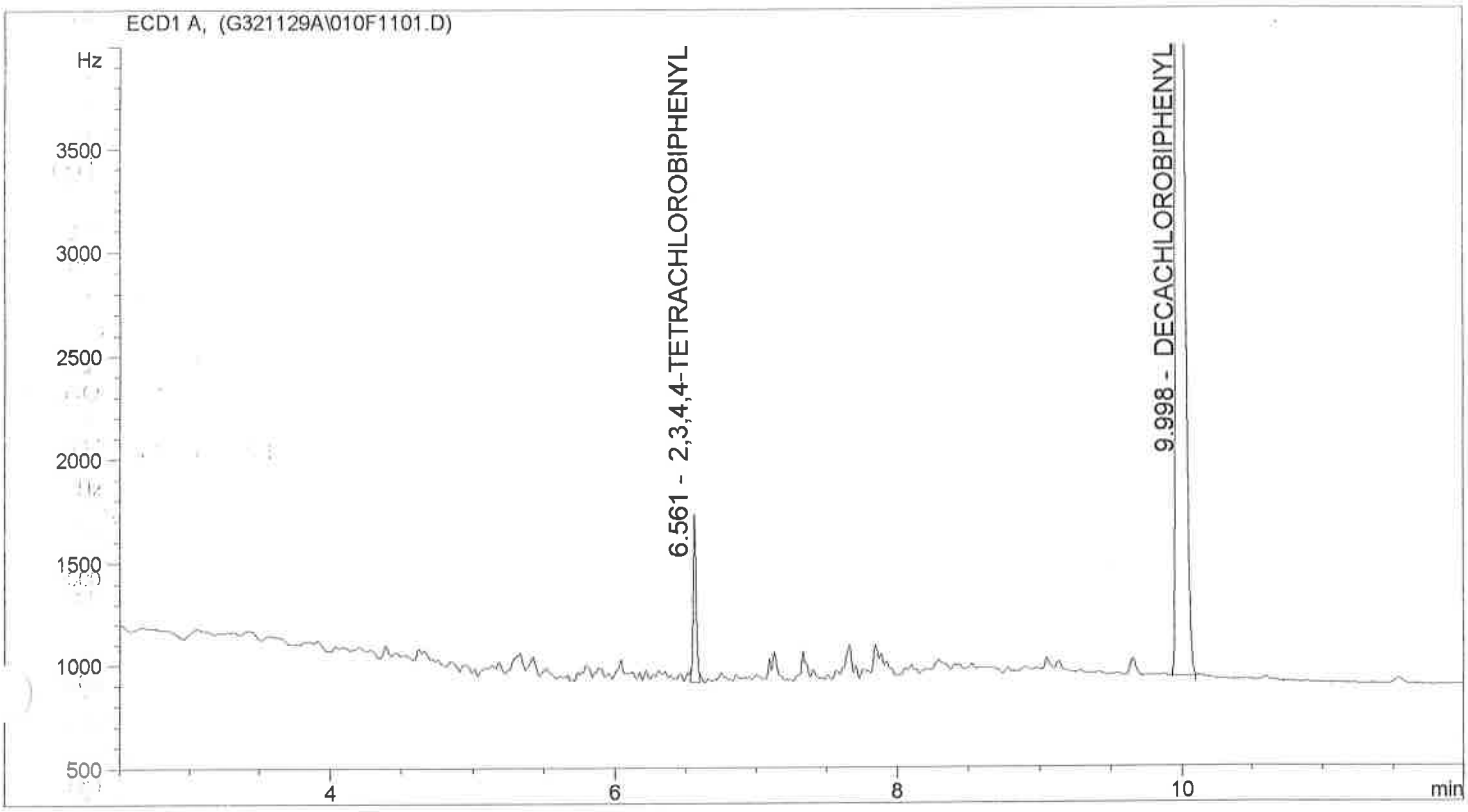
Sample Name : 2PCBS-761 B Inst. GC #32F - Congener Analysis
DAY 1 0.024 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\009F1001.D
Injection Date : 11/29/2018 4:22:58 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:21:12 AM Vial No. : 9
Eq. Method : CONF18C.M Sample Amt. : 2.5750
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	6.561	2,3,4,4-TETRACHLOROBIPHENYL	1204.9
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.996	DECACHLOROBIPHENYL	29851.6

Comments: _____

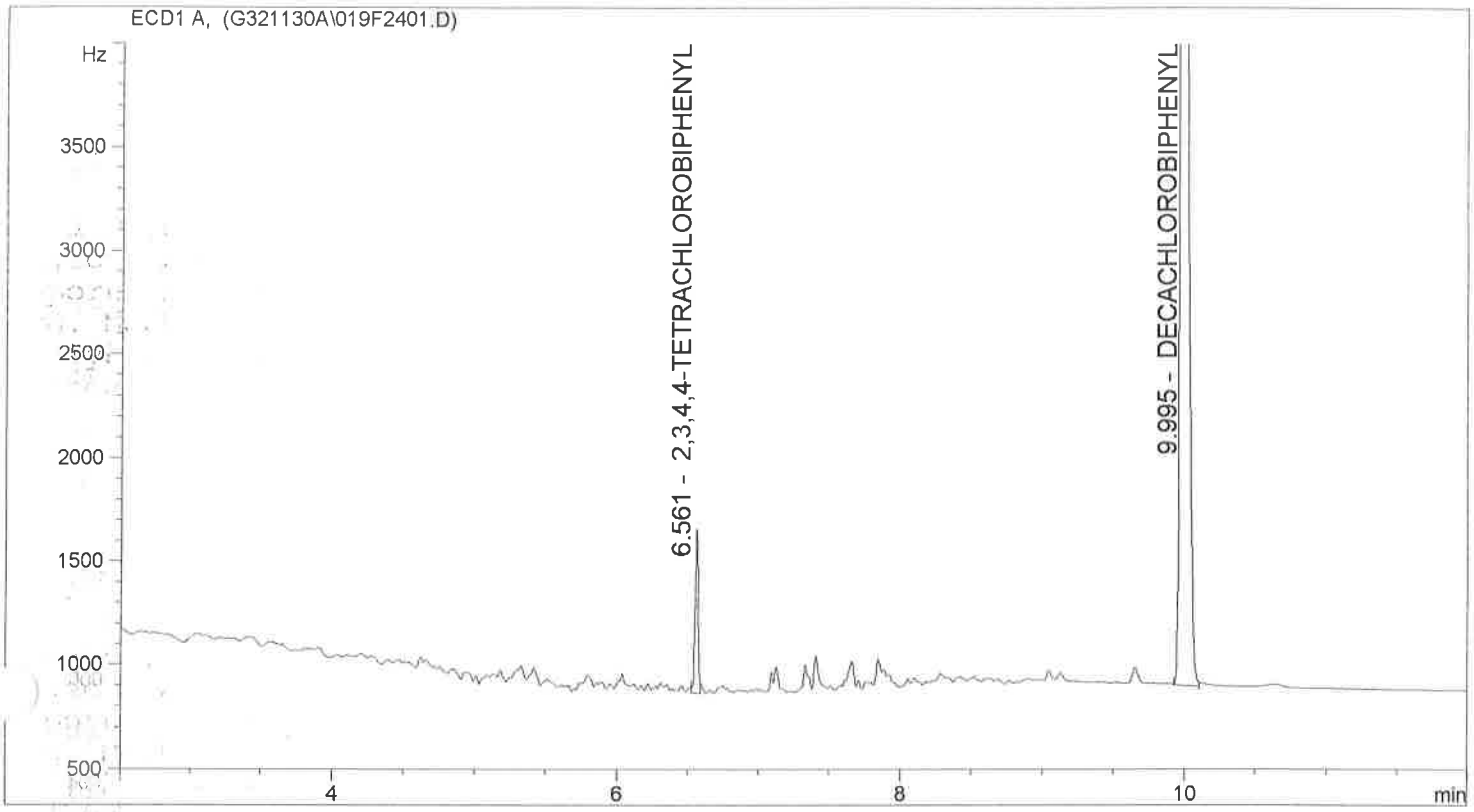
Sample Name : 2PCBS-761 C Inst. GC #32F - Congener Analysis
DAY 1 0.024 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\010F1101.D
Injection Date : 11/29/2018 4:38:04 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:22:34 AM Vial No. : 10
Req. Method : CONF18C.M Sample Amt. : 2.5615
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	6.561	2,3,4,4-TETRACHLOROBIPHENYL	1171.9
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.998	DECACHLOROBIPHENYL	30269.5

Comments: _____

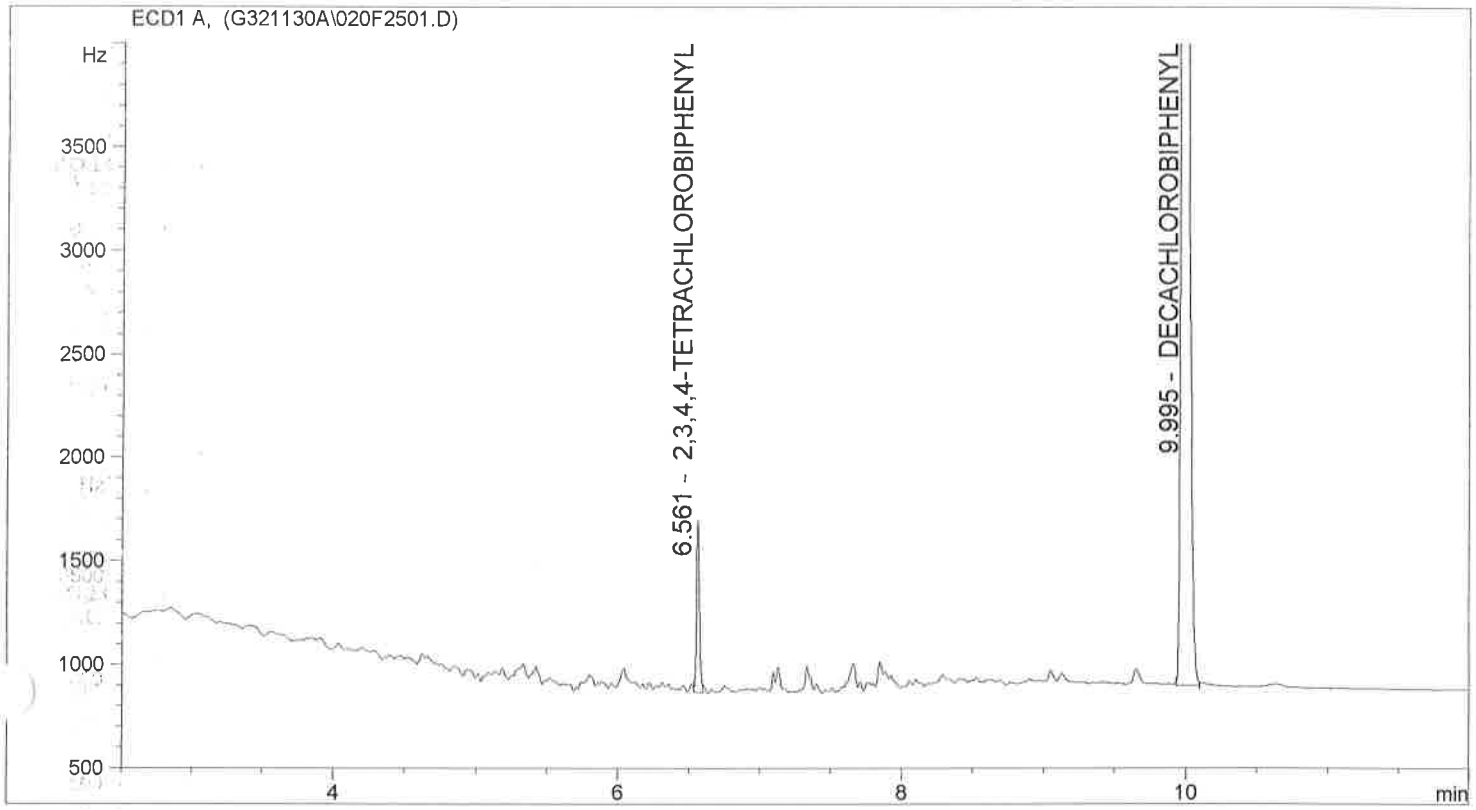
Sample Name : 2PCBS-761 D Inst. GC #32F - Congener Analysis
DAY 2 0.024 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\019F2401.D
Injection Date : 11/30/2018 8:15:55 PM Analyst ID. : NK ML AH
Report Created : 12/7/201812:29:32 PM Vial No. : 19
Seq. Method : CONF18C.M Sample Amt. : 2.5729
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	6.561	2,3,4,4-TETRACHLOROBIPHENYL	1135.6
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.995	DECACHLOROBIPHENYL	29473.4

Comments: _____

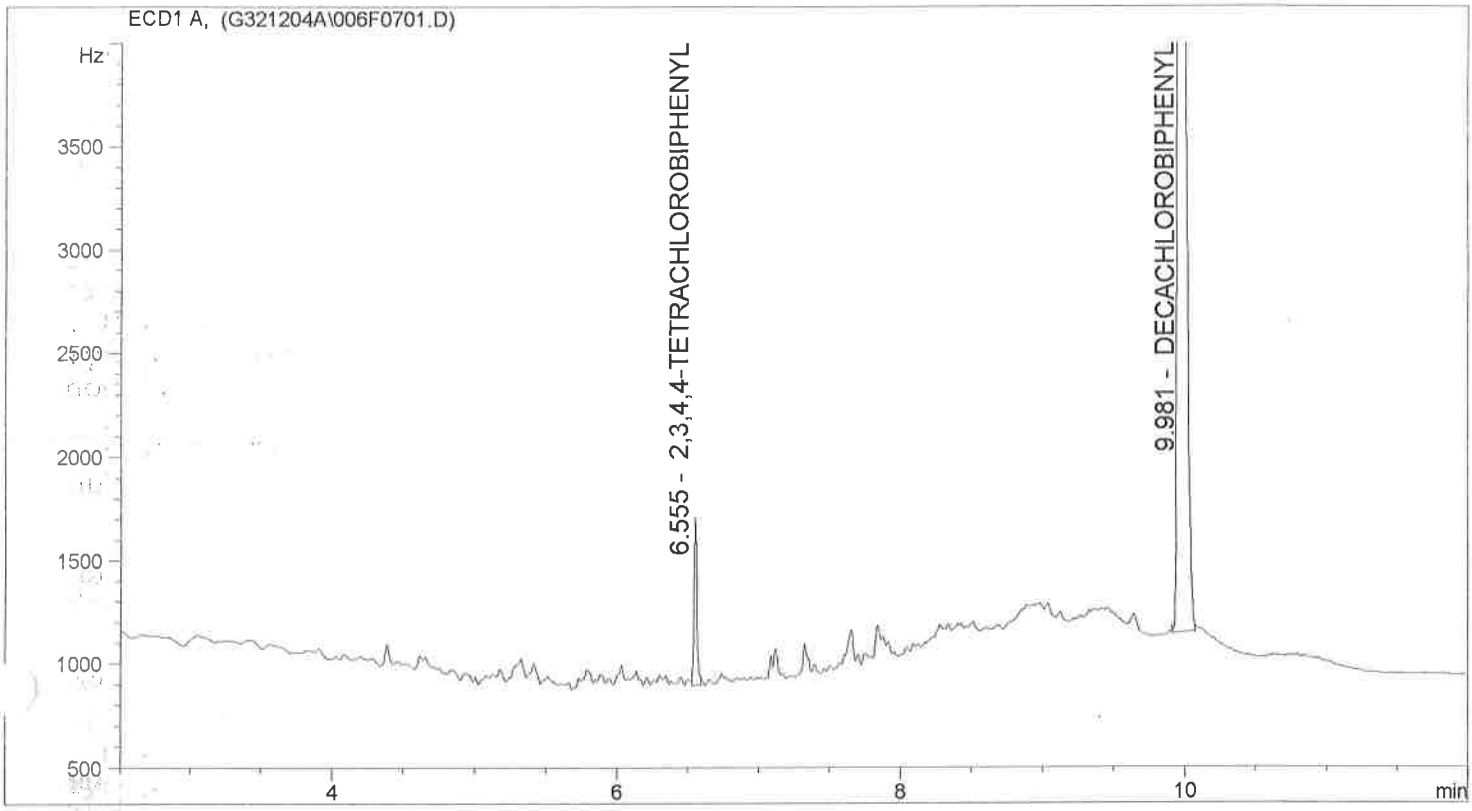
Sample Name : 2PCBS-761 E Inst. GC #32F - Congener Analysis
DAY 2 0.024 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\020F2501.D
Injection Date : 11/30/2018 8:30:59 PM Analyst ID. : NK ML AH
Report Created : 12/7/201812:30:27 PM Vial No. : 20
Seq. Method : CONF18C.M Sample Amt. : 2.5317
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	6.561	2,3,4,4-TETRACHLOROBIPHENYL	1171.3
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.995	DECACHLOROBIPHENYL	28815.3

Comments: _____

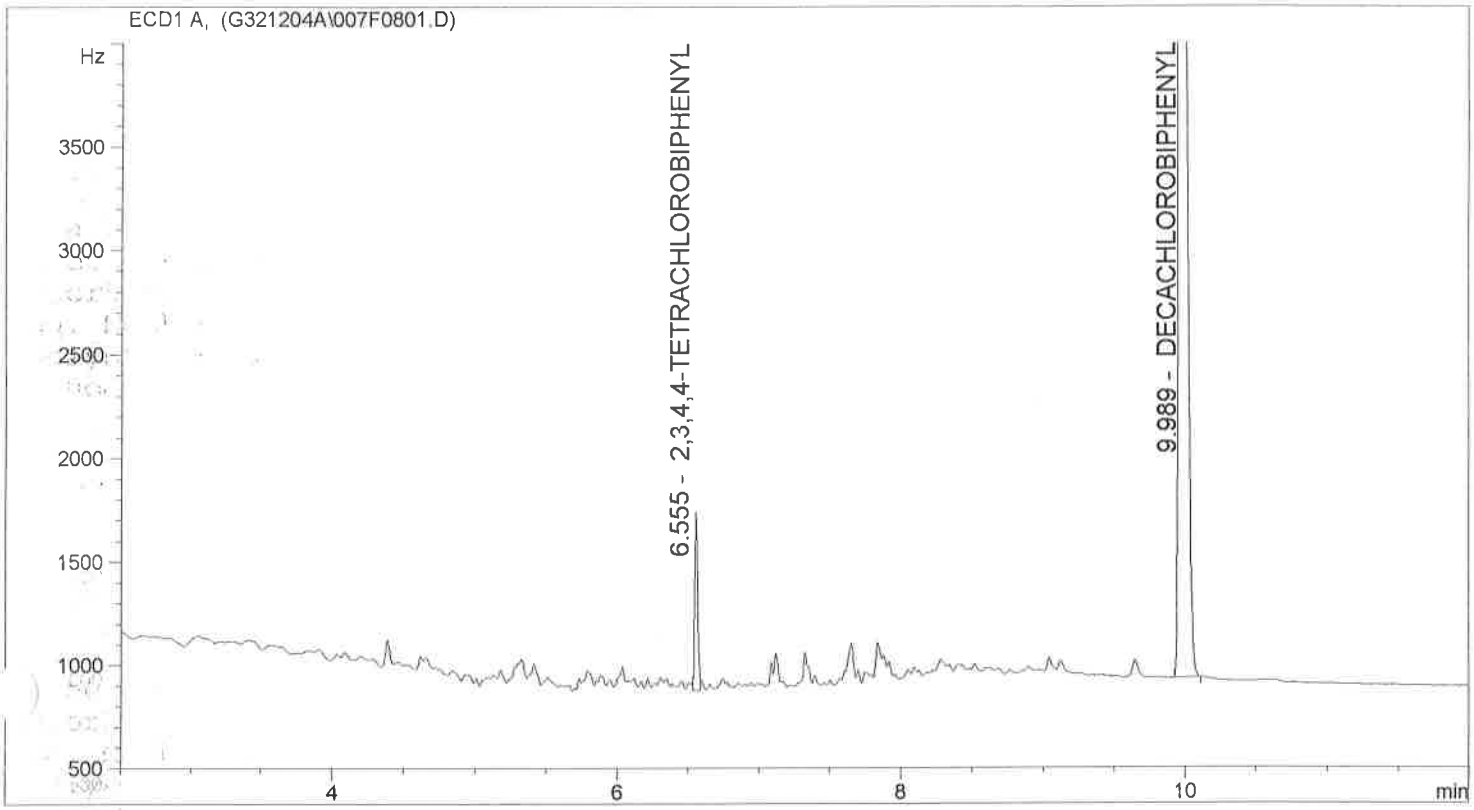
Sample Name : 2PCBS-761 F Inst. GC #32F - Congener Analysis
DAY 3 0.024 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204A\006F0701.D
Injection Date : 12/4/2018 1:05:26 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:11:42 PM Vial No. : 6
Seq. Method : CONF18C.M Sample Amt. : 2.5408
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	6.555	2,3,4,4-TETRACHLOROBIPHENYL	1168.5
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.981	DECACHLOROBIPHENYL	31365.5

Comments: _____

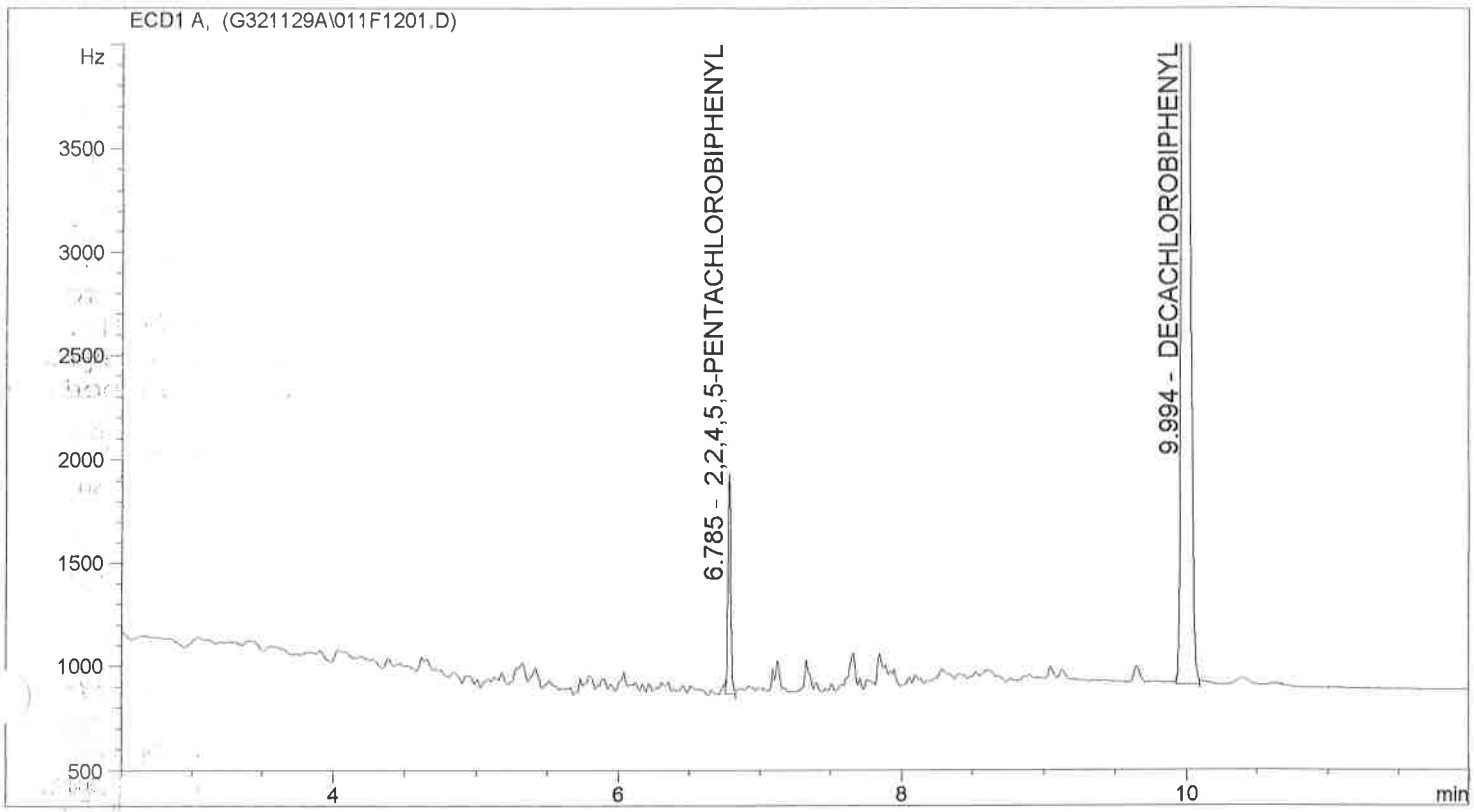
Sample Name : 2PCBS-761 G Inst. GC #32F - Congener Analysis
DAY 3 0.024 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204A\007F0801.D
Injection Date : 12/4/2018 1:20:40 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:20:22 PM Vial No. : 7
Eq. Method : CONF18C.M Sample Amt. : 2.5568
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	6.555	2,3,4,4-TETRACHLOROBIPHENYL	1220.9
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.989	DECACHLOROBIPHENYL	31638.2

Comments: _____

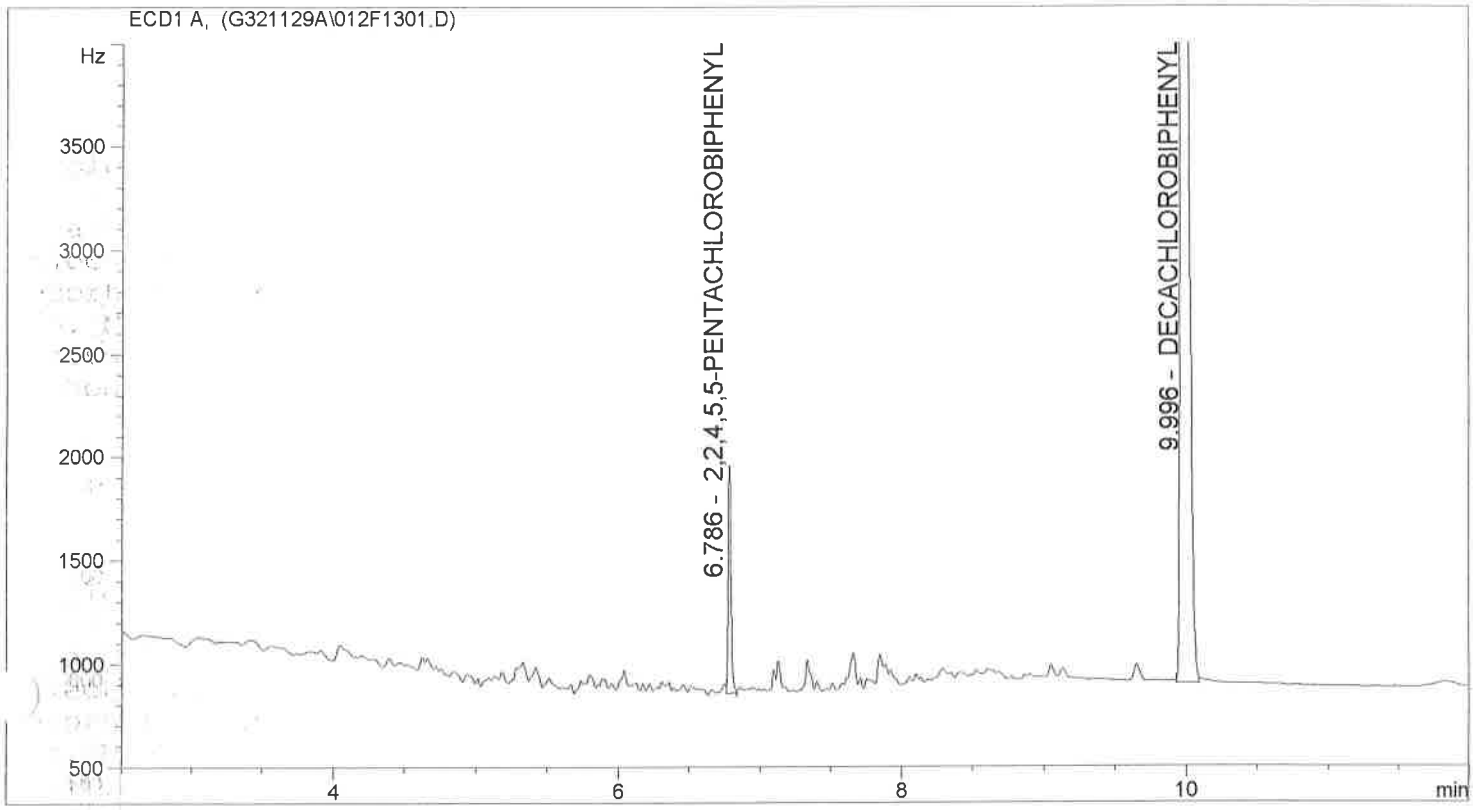
Sample Name : 2PCBS-763 A Inst. GC #32F - Congener Analysis
DAY 1 0.037 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\011F1201.D
Injection Date : 11/29/2018 4:53:10 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:24:20 AM Vial No. : 11
Seq. Method : CONF18C.M Sample Amt. : 2.5602
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	6.785	2,2,4,5,5-PENTACHLOROBIPHENYL	1470.5
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.994	DECACHLOROBIPHENYL	29993.5

Comments: _____

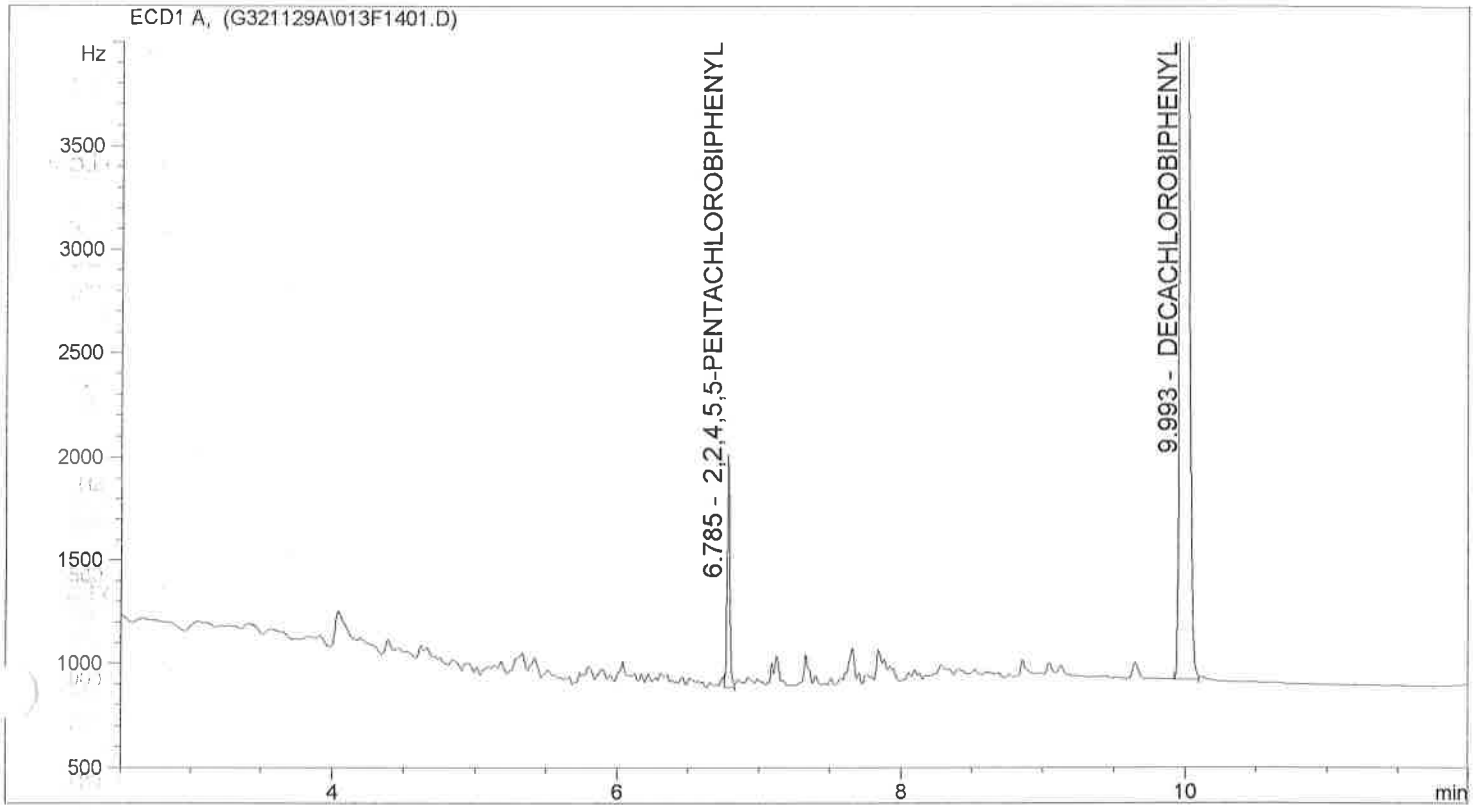
Sample Name : 2PCBS-763 B Inst. GC #32F - Congener Analysis
DAY 1 0.037 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\012F1301.D
Injection Date : 11/29/2018 5:08:16 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:25:14 AM Vial No. : 12
Inj. Method : CONF18C.M Sample Amt. : 2.5371
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	6.786	2,2,4,5,5-PENTACHLOROBIPHENYL	1503.3
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.996	DECACHLOROBIPHENYL	30309.9

Comments: _____

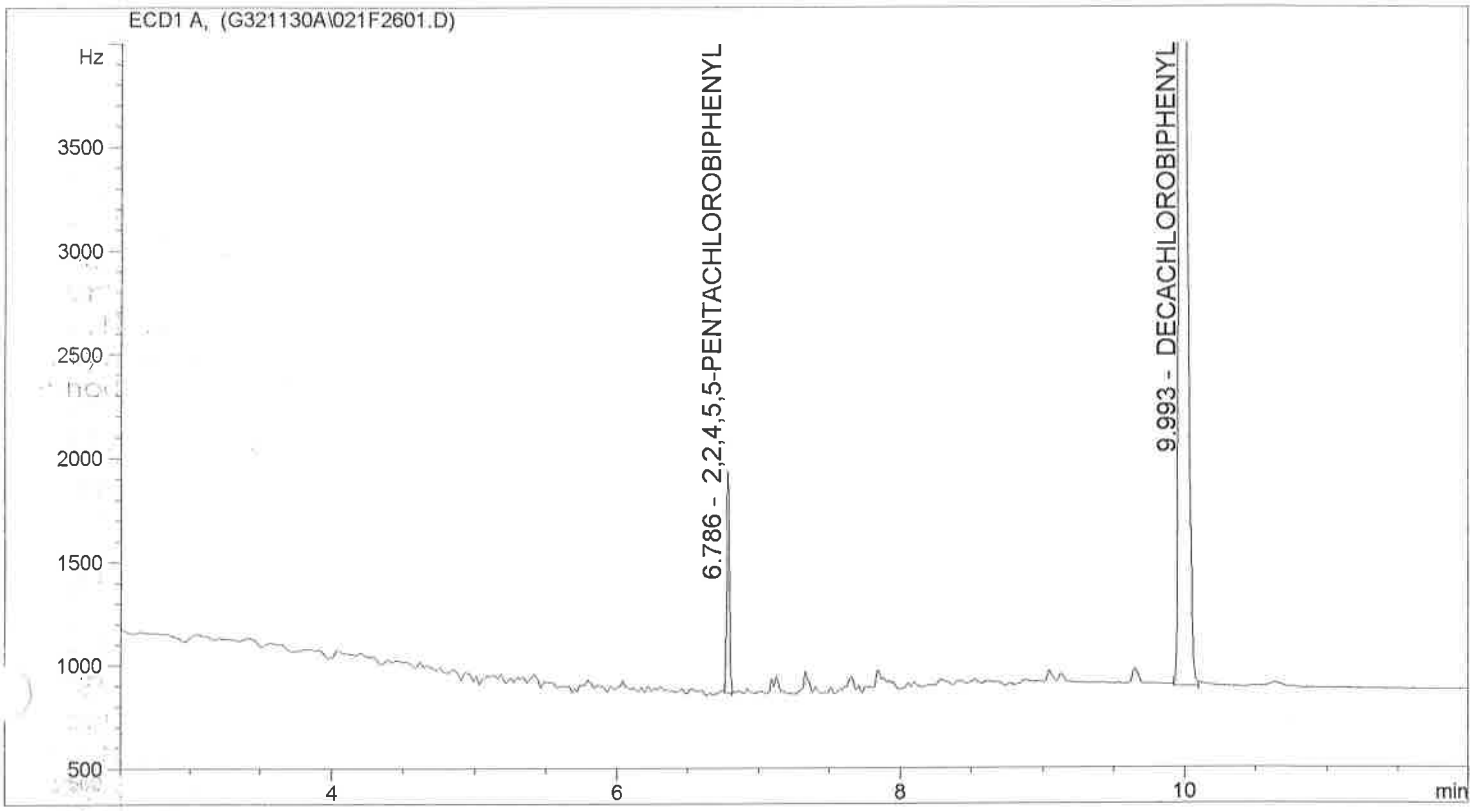
Sample Name : 2PCBS-763 C Inst. GC #32F - Congener Analysis
DAY 1 0.037 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\013F1401.D
Injection Date : 11/29/2018 5:23:24 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:26:05 AM Vial No. : 13
Seq. Method : CONF18C.M Sample Amt. : 2.5399
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	6.785	2,2,4,5,5-PENTACHLOROBIPHENYL	1498.6
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.993	DECACHLOROBIPHENYL	29406.4

Comments: _____

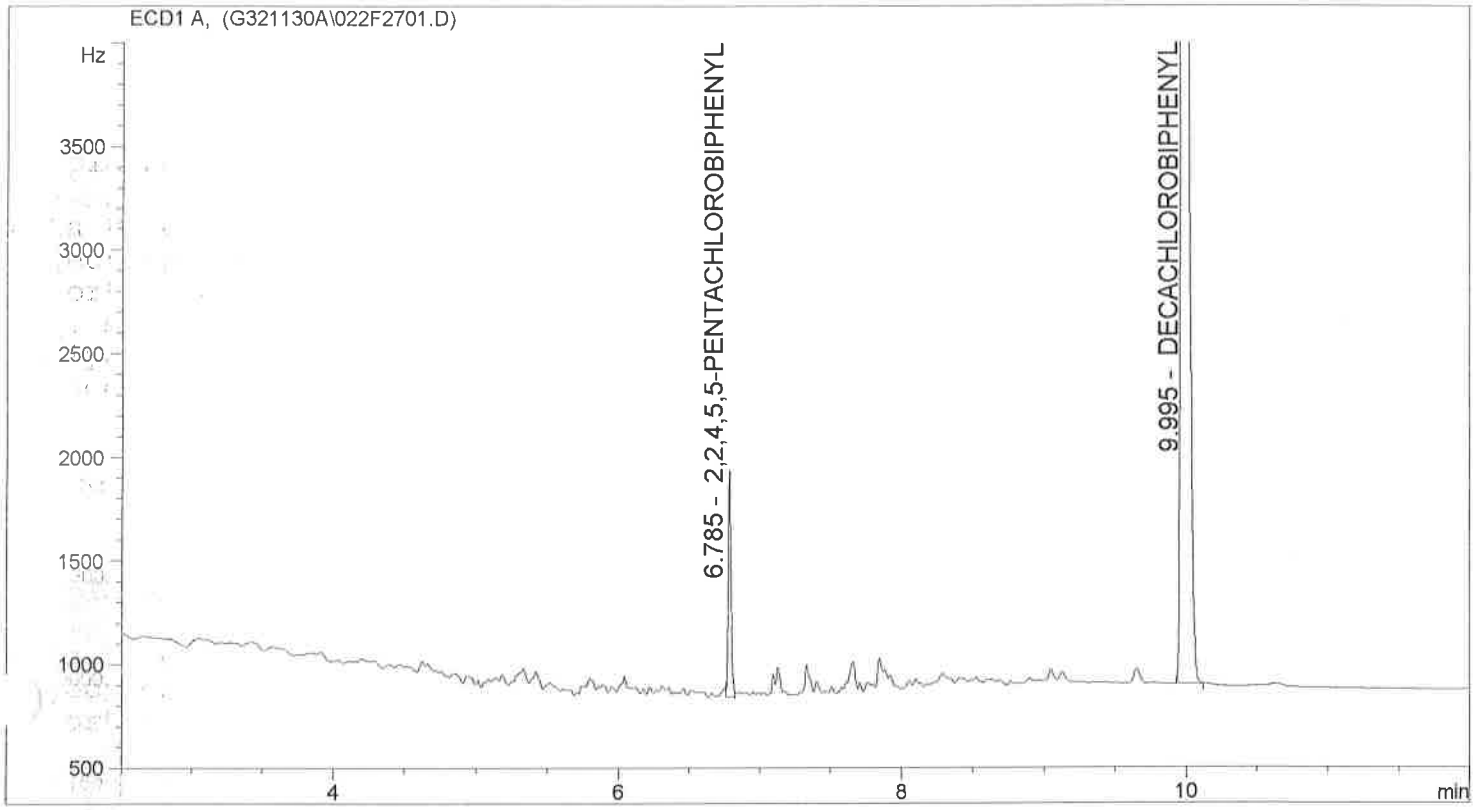
Sample Name : 2PCBS-763 D Inst. GC #32F - Congener Analysis
DAY 2 0.037 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\021F2601.D
Injection Date : 11/30/2018 8:46:06 PM Analyst ID. : NK ML AH
Report Created : 12/7/201812:31:21 PM Vial No. : 21
Eq. Method : CONF18C.M Sample Amt. : 2.5401
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	6.786	2,2,4,5,5-PENTACHLOROBIPHENYL	1408.2
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.993	DECACHLOROBIPHENYL	29095.4

Comments: _____

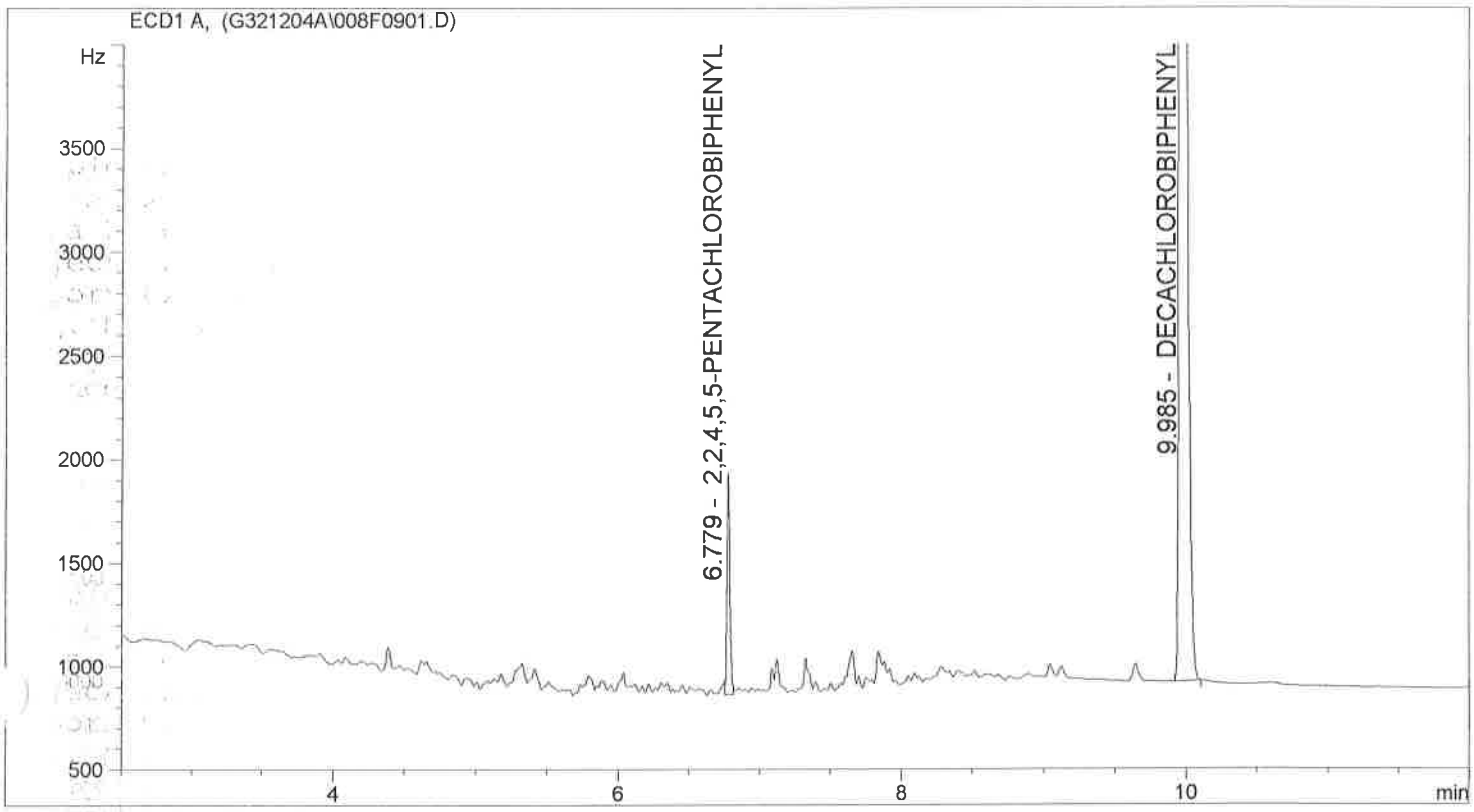
Sample Name : 2PCBS-763 E Inst. GC #32F - Congener Analysis
DAY 2 0.037 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\022F2701.D
Injection Date : 11/30/2018 9:01:11 PM Analyst ID. : NK ML AH
Report Created : 12/7/201812:32:12 PM Vial No. : 22
q. Method : CONF18C.M Sample Amt. : 2.5280
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	6.785	2,2,4,5,5-PENTACHLOROBIPHENYL	1528.2
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.995	DECACHLOROBIPHENYL	28698.1

Comments: _____

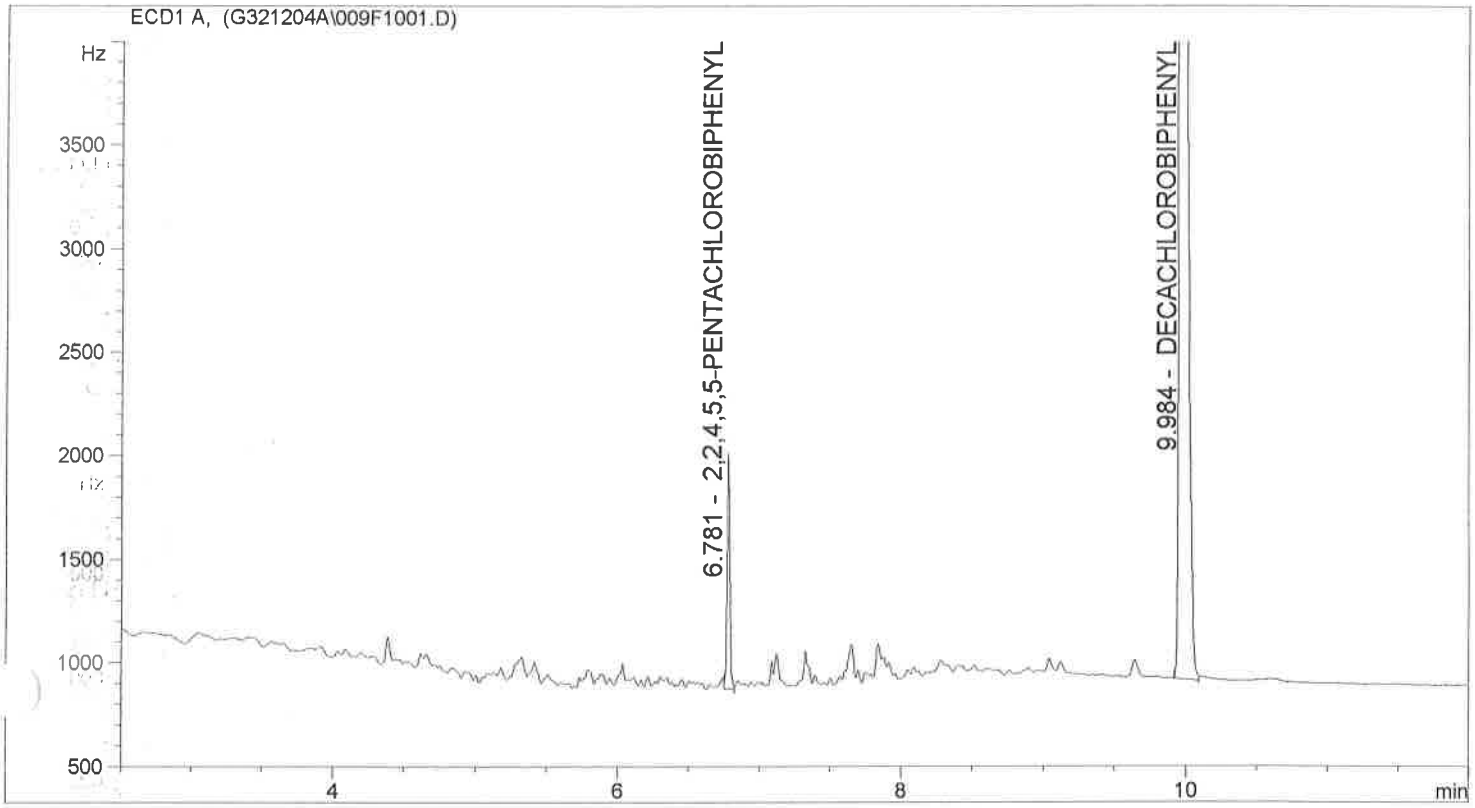
Sample Name : 2PCBS-763 F Inst. GC #32F - Congener Analysis
DAY 3 0.037 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204A\008F0901.D
Injection Date : 12/4/2018 1:35:44 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:12:23 PM Vial No. : 8
Eq. Method : CONF18C.M Sample Amt. : 2.5480
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	6.779	2,2,4,5,5-PENTACHLOROBIPHENYL	1489.3
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.985	DECACHLOROBIPHENYL	31201.7

Comments: _____

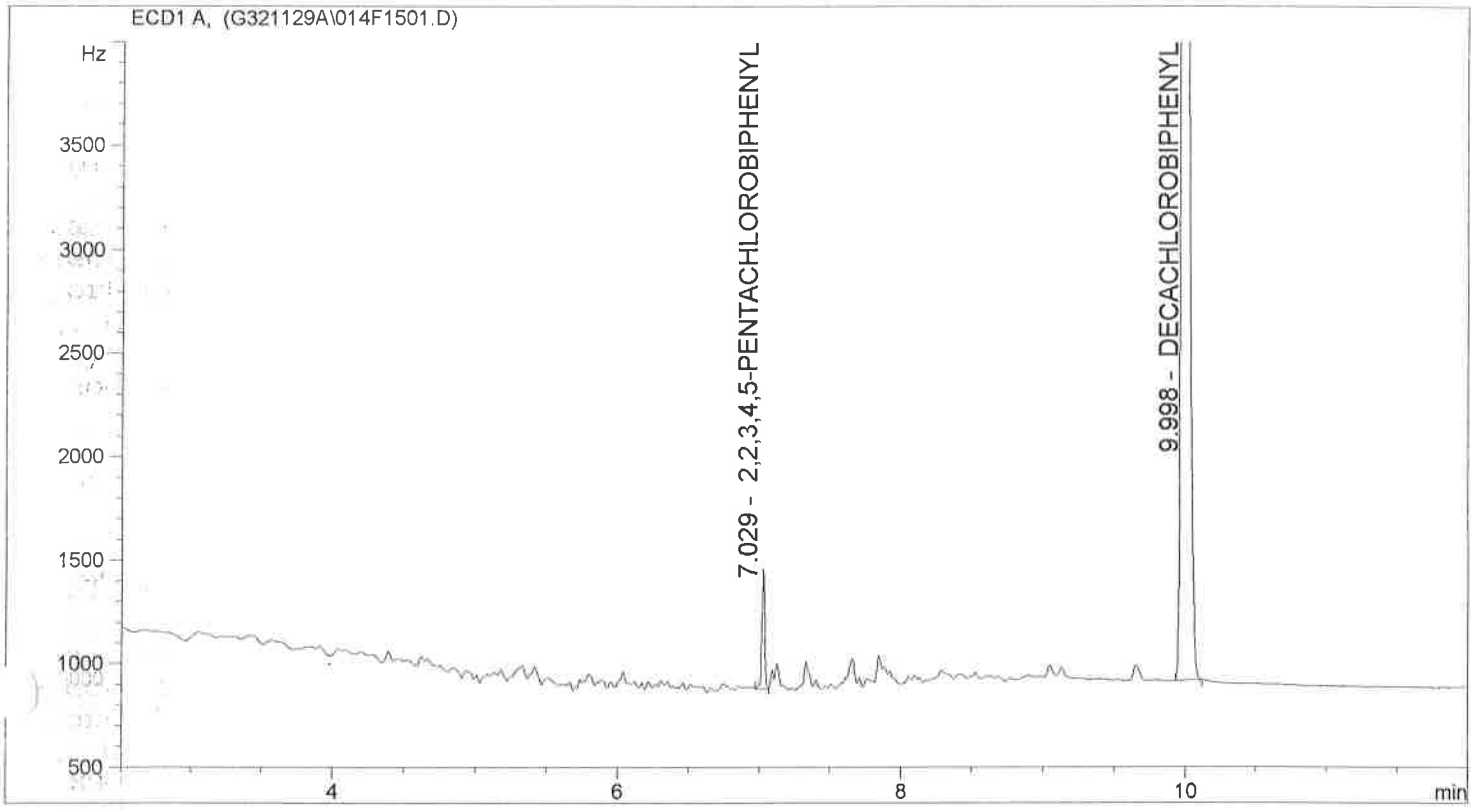
Sample Name : 2PCBS-763 G Inst. GC #32F - Congener Analysis
DAY 3 0.037 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204A\009F1001.D
Injection Date : 12/4/2018 1:51:00 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:13:07 PM Vial No. : 9
Eq. Method : CONF18C.M Sample Amt. : 2.5315
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	6.781	2,2,4,5,5-PENTACHLOROBIPHENYL	1538.3
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.984	DECACHLOROBIPHENYL	31169.5

Comments: _____

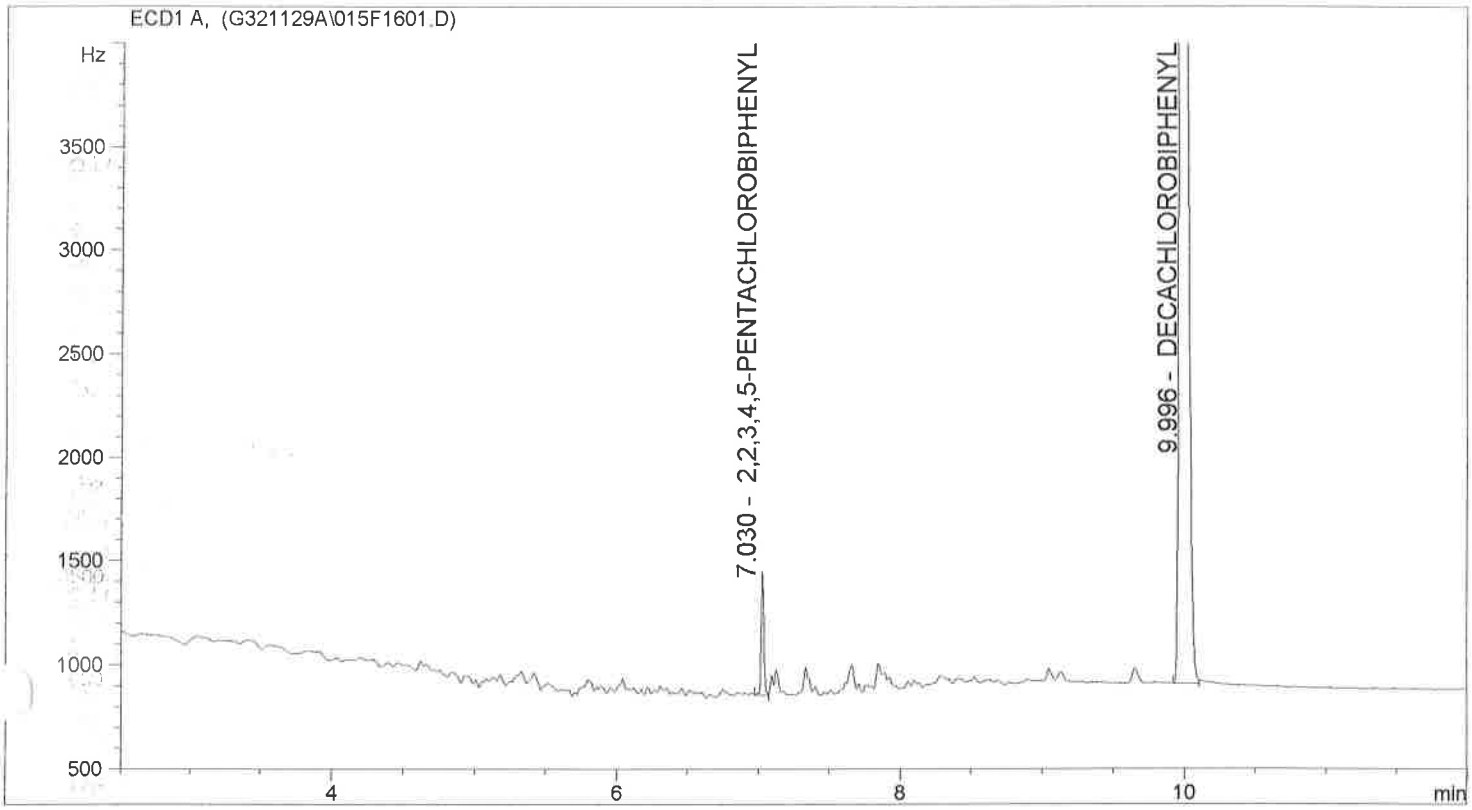
Sample Name : 2PCBS-762 A Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\014F1501.D
Injection Date : 11/29/2018 5:38:42 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:28:28 AM Vial No. : 14
Seq. Method : CONF18C.M Sample Amt. : 2.5372
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	7.029	2,2,3,4,5-PENTACHLOROBIPHENYL	772.2
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.998	DECACHLOROBIPHENYL	30447.5

Comments: _____

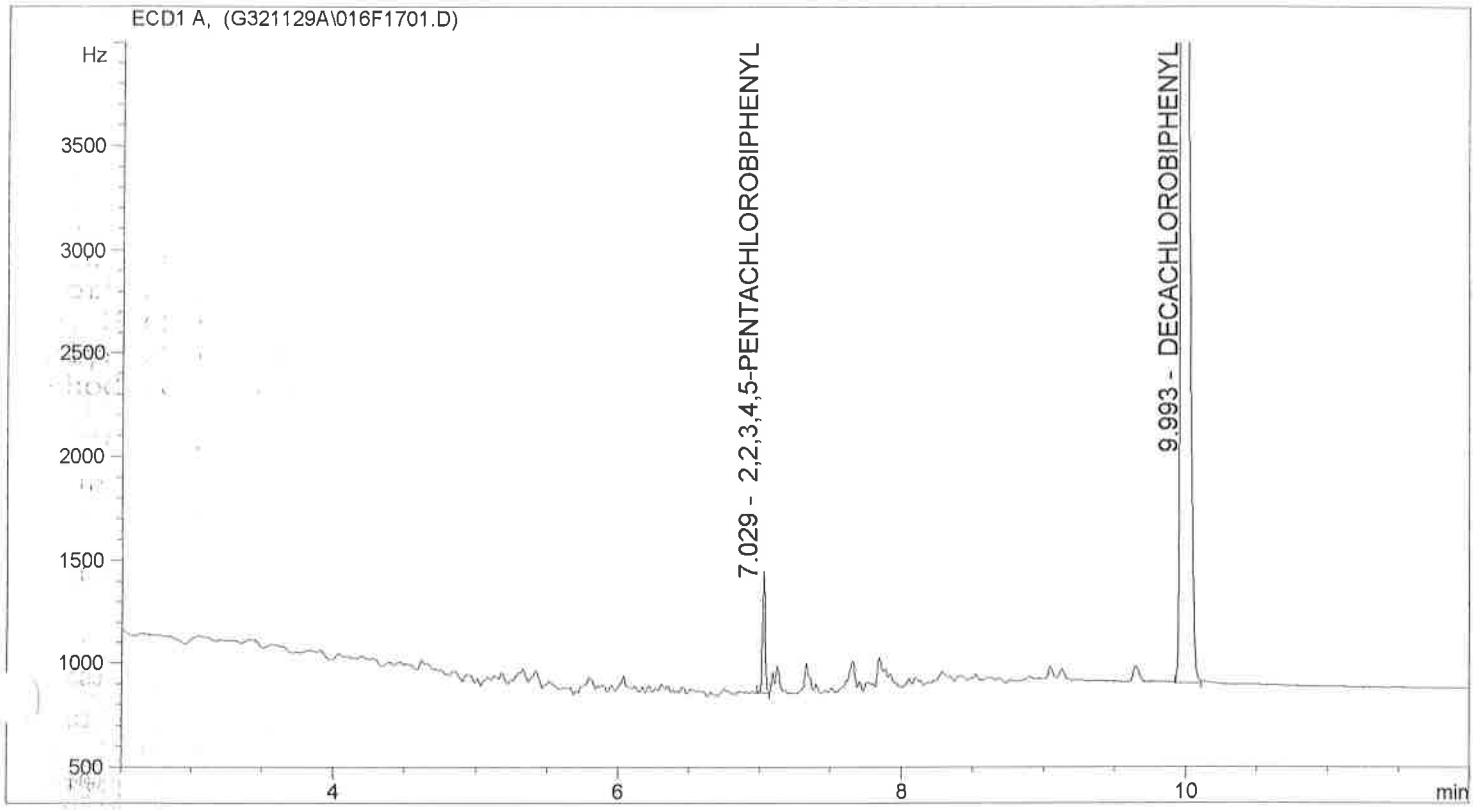
Sample Name : 2PCBS-762 B Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\015F1601.D
Injection Date : 11/29/2018 5:53:49 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:29:24 AM Vial No. : 15
Seq. Method : CONF18C.M Sample Amt. : 2.5583
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	7.030	2,2,3,4,5-PENTACHLOROBIPHENYL	764.3
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.996	DECACHLOROBIPHENYL	29137.5

Comments: _____

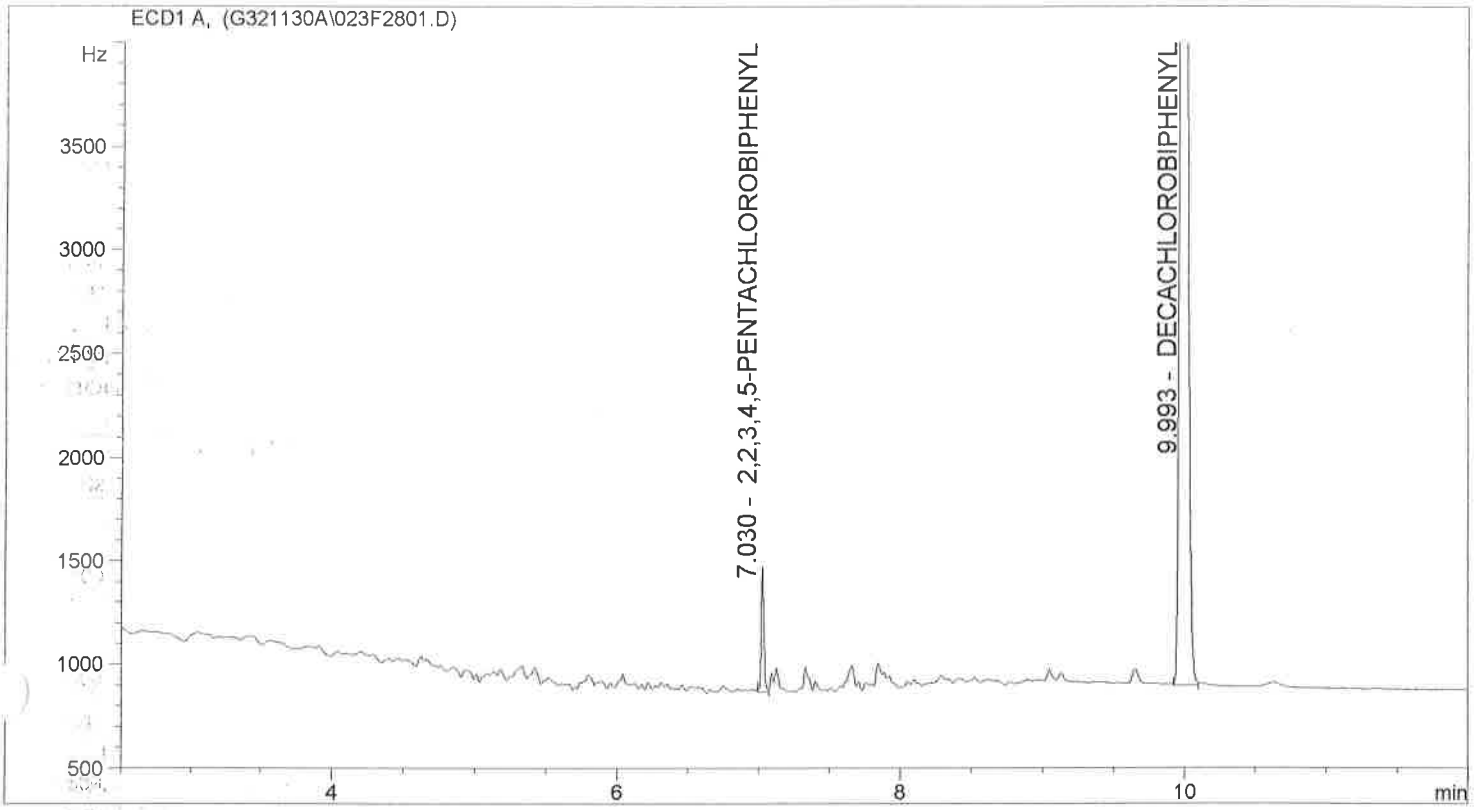
Sample Name : 2PCBS-762 C Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\016F1701.D
Injection Date : 11/29/2018 6:08:57 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:30:18 AM Vial No. : 16
Inj. Method : CONF18C.M Sample Amt. : 2.5371
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	7.029	2,2,3,4,5-PENTACHLOROBIPHENYL	752.8
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.993	DECACHLOROBIPHENYL	29428.4

Comments: _____

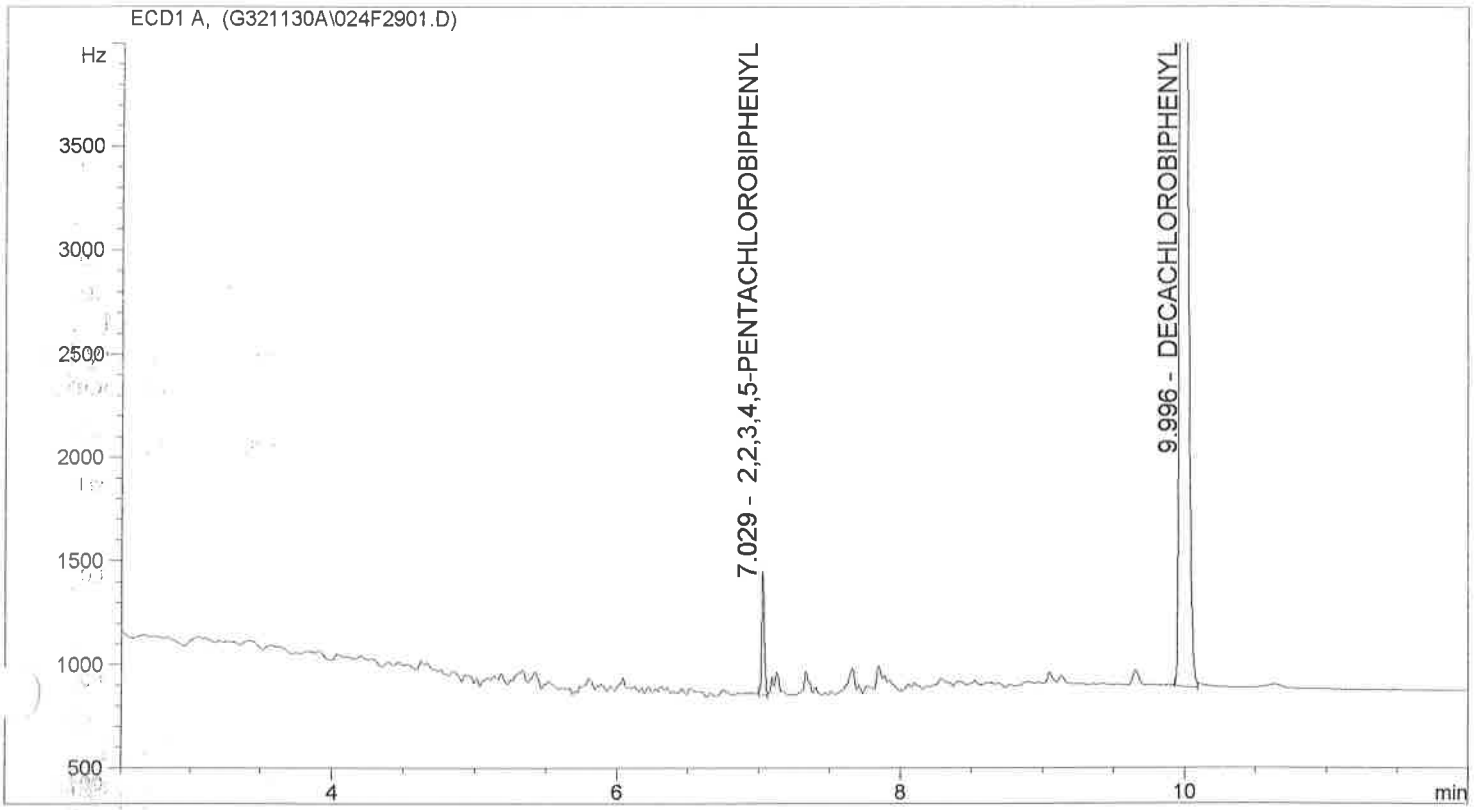
Sample Name : 2PCBS-762 D Inst. GC #32F - Congener Analysis
DAY 2 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\023F2801.D
Injection Date : 11/30/2018 9:16:18 PM Analyst ID. : NK ML AH
Report Created : 12/7/201812:33:54 PM Vial No. : 23
Seq. Method : CONF18C.M Sample Amt. : 2.5398
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	7.030	2,2,3,4,5-PENTACHLOROBIPHENYL	803.5
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.993	DECACHLOROBIPHENYL	28387.7

Comments: _____

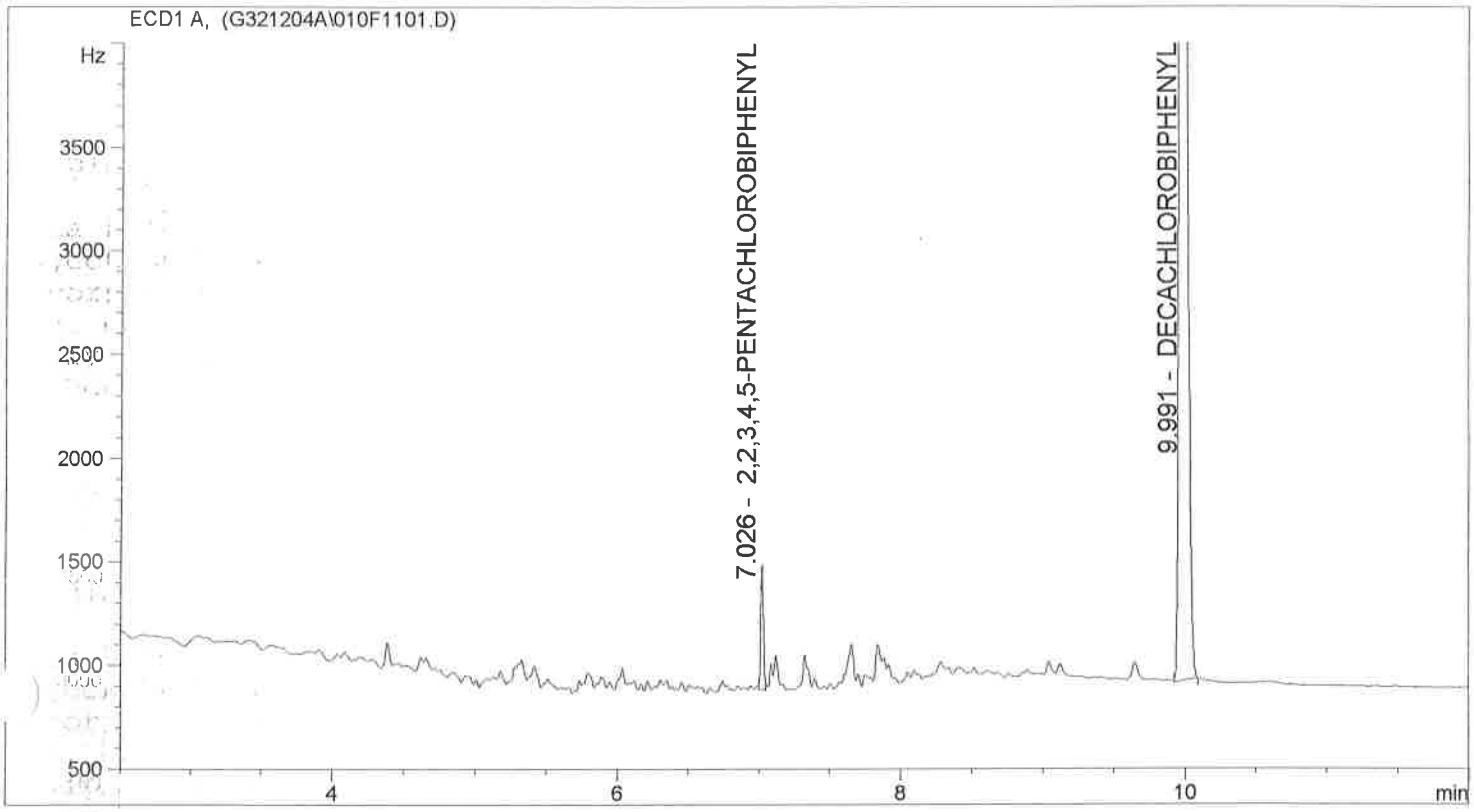
Sample Name : 2PCBS-762 E Inst. GC #32F - Congener Analysis
DAY 2 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\024F2901.D
Injection Date : 11/30/2018 9:31:24 PM Analyst ID. : NK ML AH
Report Created : 12/7/201812:34:44 PM Vial No. : 24
Meth. Method : CONF18C.M Sample Amt. : 2.5481
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	7.029	2,2,3,4,5-PENTACHLOROBIPHENYL	785.5
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.996	DECACHLOROBIPHENYL	28712.8

Comments: _____

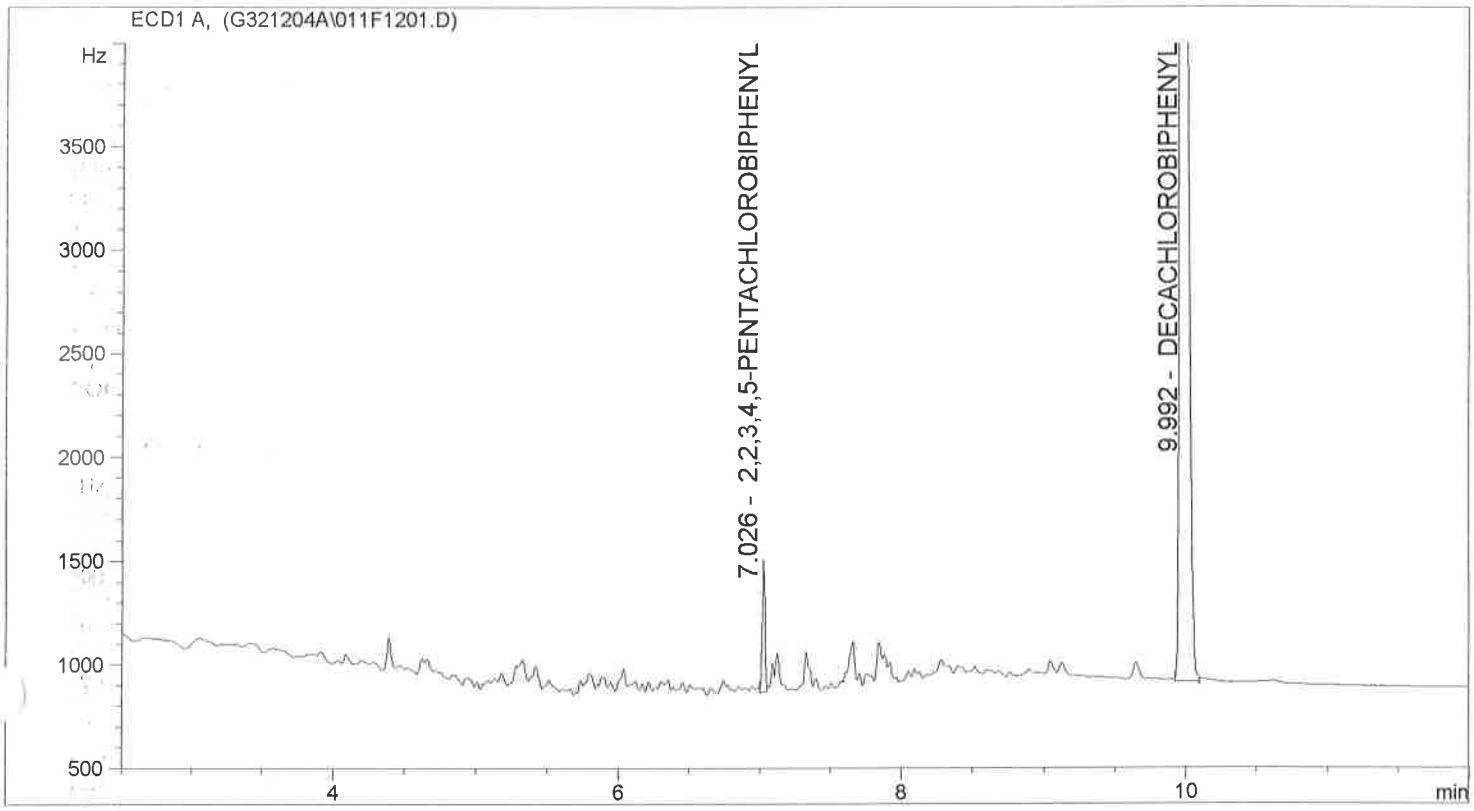
Sample Name : 2PCBS-762 F Inst. GC #32F - Congener Analysis
DAY 3 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204A\010F1101.D
Injection Date : 12/4/2018 2:06:05 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:14:00 PM Vial No. : 10
Meq. Method : CONF18C.M Sample Amt. : 2.5407
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	7.026	2,2,3,4,5-PENTACHLOROBIPHENYL	777.6
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.991	DECACHLOROBIPHENYL	31419.2

Comments: _____

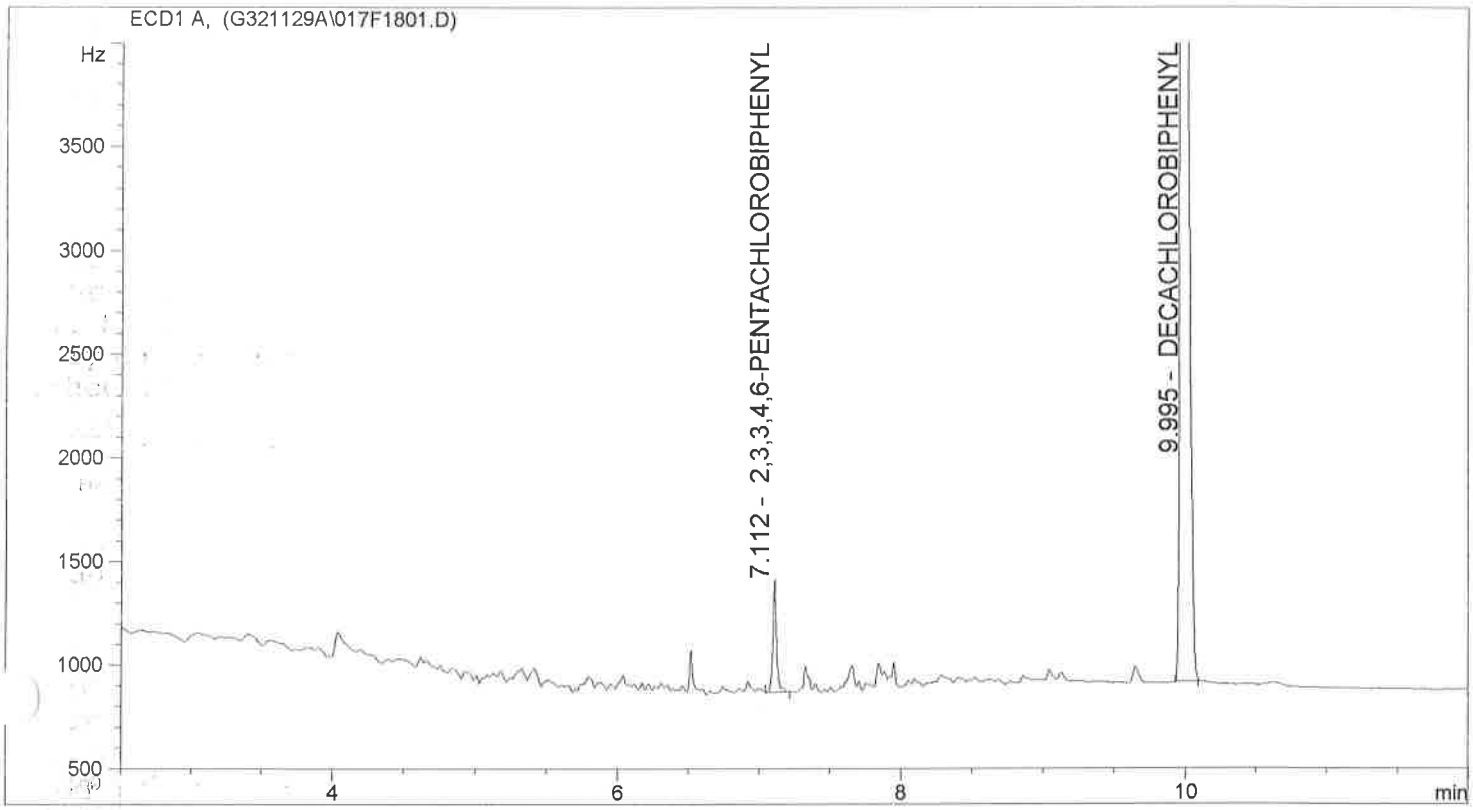
Sample Name : 2PCBS-762 G Inst. GC #32F - Congener Analysis
DAY 3 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204A\011F1201.D
Injection Date : 12/4/2018 2:21:11 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:14:56 PM Vial No. : 11
Eq. Method : CONF18C.M Sample Amt. : 2.5488
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	7.026	2,2,3,4,5-PENTACHLOROBIPHENYL	848.4
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.992	DECACHLOROBIPHENYL	31789.2

Comments: _____

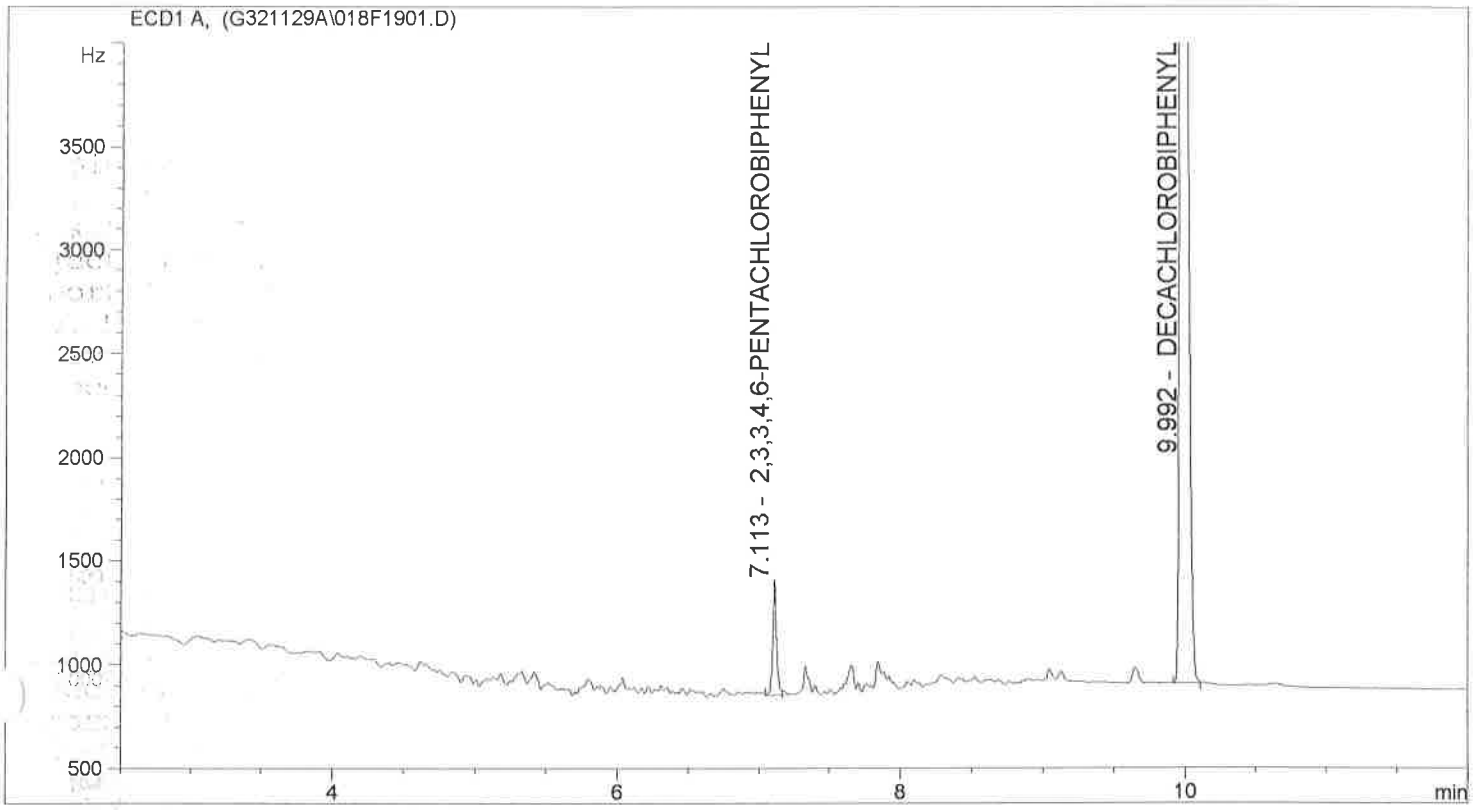
Sample Name : 2PCBS-764 A Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\017F1801.D
Injection Date : 11/29/2018 6:24:04 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:33:31 AM Vial No. : 17
Eq. Method : CONF18C.M Sample Amt. : 2.5512
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	7.112	2,3,3,4,6-PENTACHLOROBIPHENYL	968.6
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.995	DECACHLOROBIPHENYL	29513.4

Comments: _____

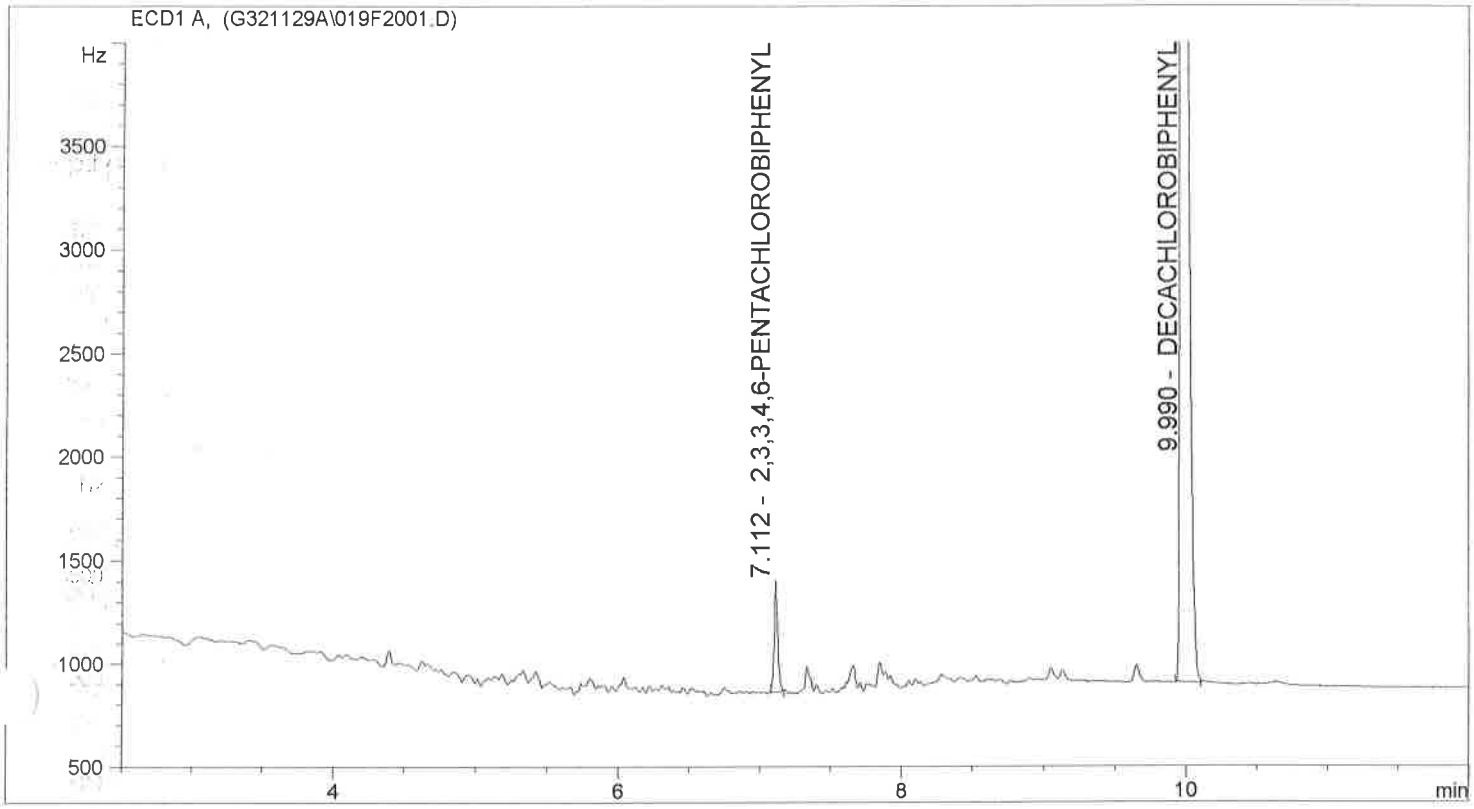
Sample Name : 2PCBS-764 B Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\018F1901.D
Injection Date : 11/29/2018 6:39:13 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:31:14 AM Vial No. : 18
Acq. Method : CONF18C.M Sample Amt. : 2.5463
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	7.113	2,3,3,4,6-PENTACHLOROBIPHENYL	1010.9
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.992	DECACHLOROBIPHENYL	29454.5

Comments: _____

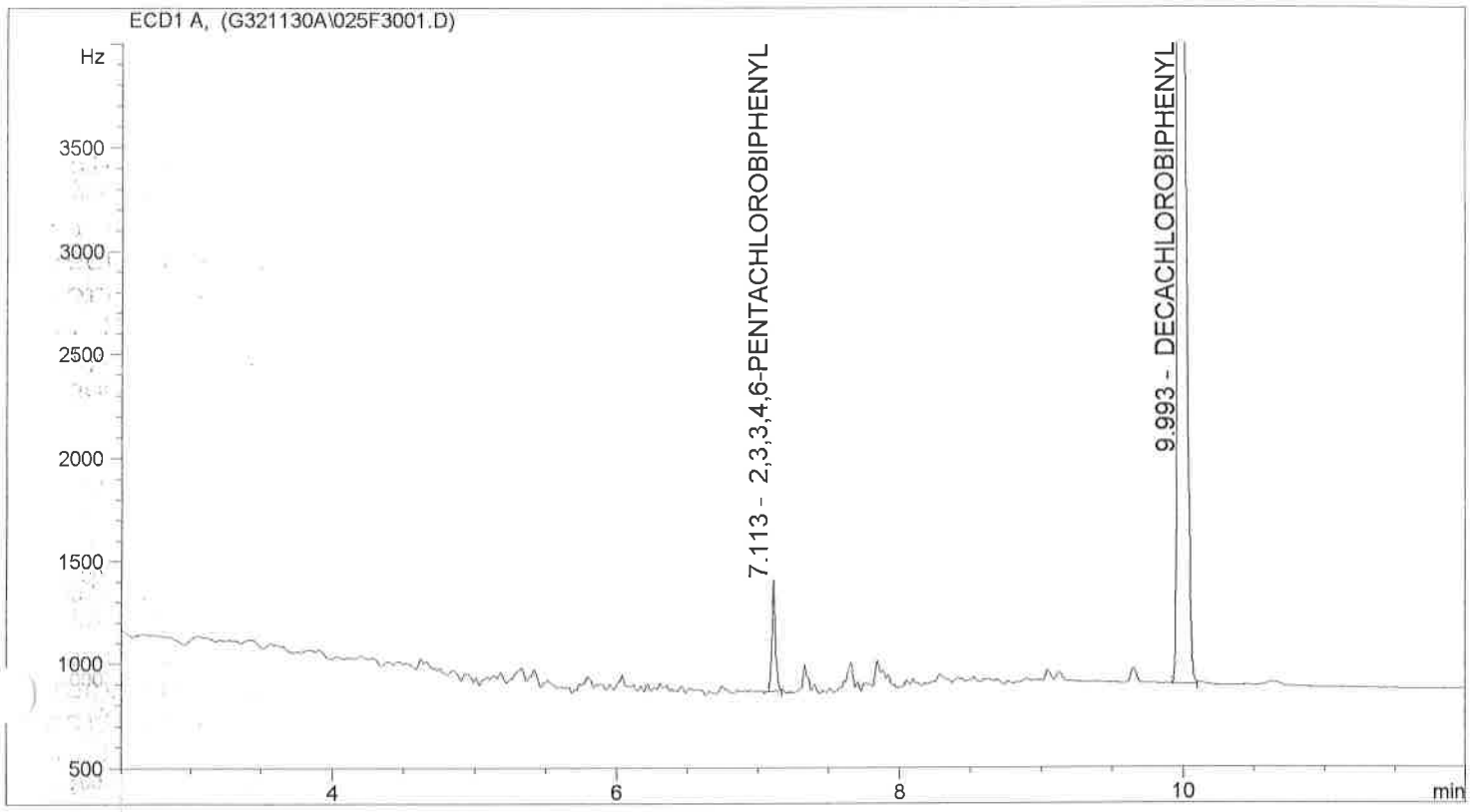
Sample Name : 2PCBS-764 C Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321129A\019F2001.D
Injection Date : 11/29/2018 6:54:20 PM Analyst ID. : NK ML AH
Report Created : 12/7/201811:32:03 AM Vial No. : 19
Eq. Method : CONF18C.M Sample Amt. : 2.5372
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	7.112	2,3,3,4,6-PENTACHLOROBIPHENYL	931.2
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.990	DECACHLOROBIPHENYL	29826.4

Comments: _____

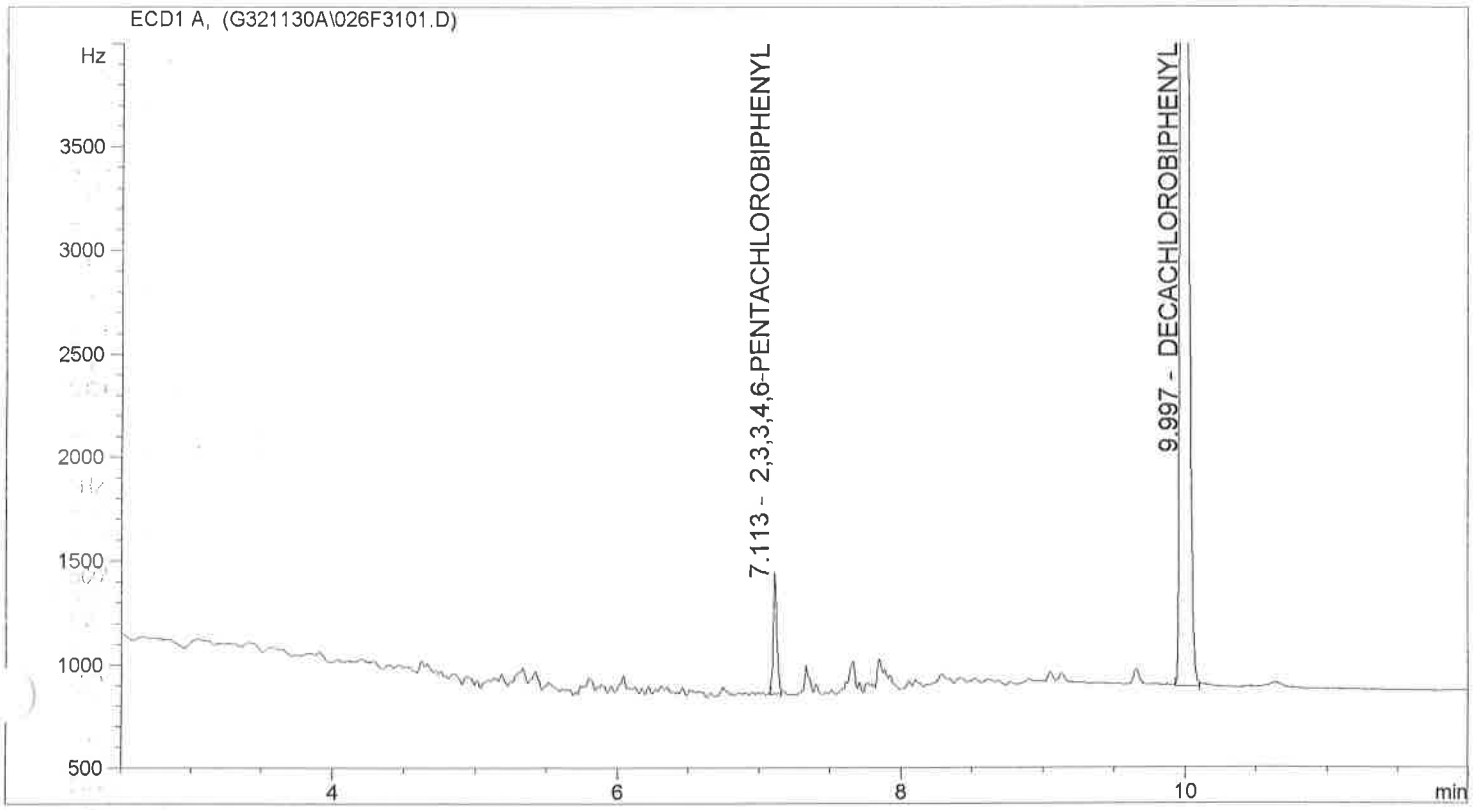
Sample Name : 2PCBS-764 D Inst. GC #32F - Congener Analysis
DAY 2 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\025F3001.D
Injection Date : 11/30/2018 9:46:30 PM Analyst ID. : NK ML AH
Report Created : 12/7/201812:35:51 PM Vial No. : 25
Seq. Method : CONF18C.M Sample Amt. : 2.5434
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	7.113	2,3,3,4,6-PENTACHLOROBIPHENYL	925.3
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.993	DECACHLOROBIPHENYL	27434.0

Comments: _____

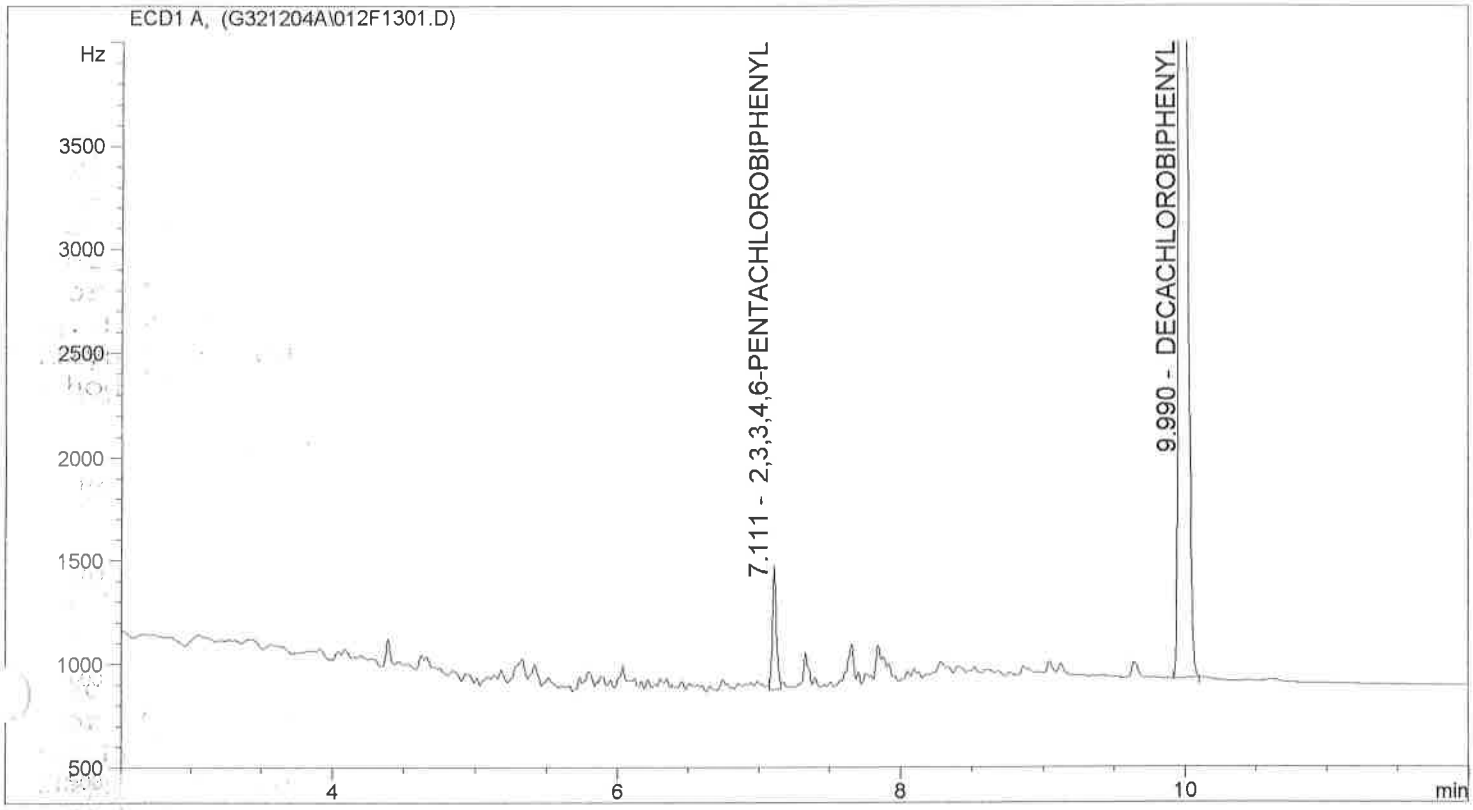
Sample Name : 2PCBS-764 E Inst. GC #32F - Congener Analysis
DAY 2 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321130A\026F3101.D
Injection Date : 11/30/2018 10:01:-> Analyst ID. : NK ML AH
Report Created : 12/7/201812:36:40 PM Vial No. : 26
Seq. Method : CONF18C.M Sample Amt. : 2.5528
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	7.113	2,3,3,4,6-PENTACHLOROBIPHENYL	1013.9
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.997	DECACHLOROBIPHENYL	28361.1

Comments: _____

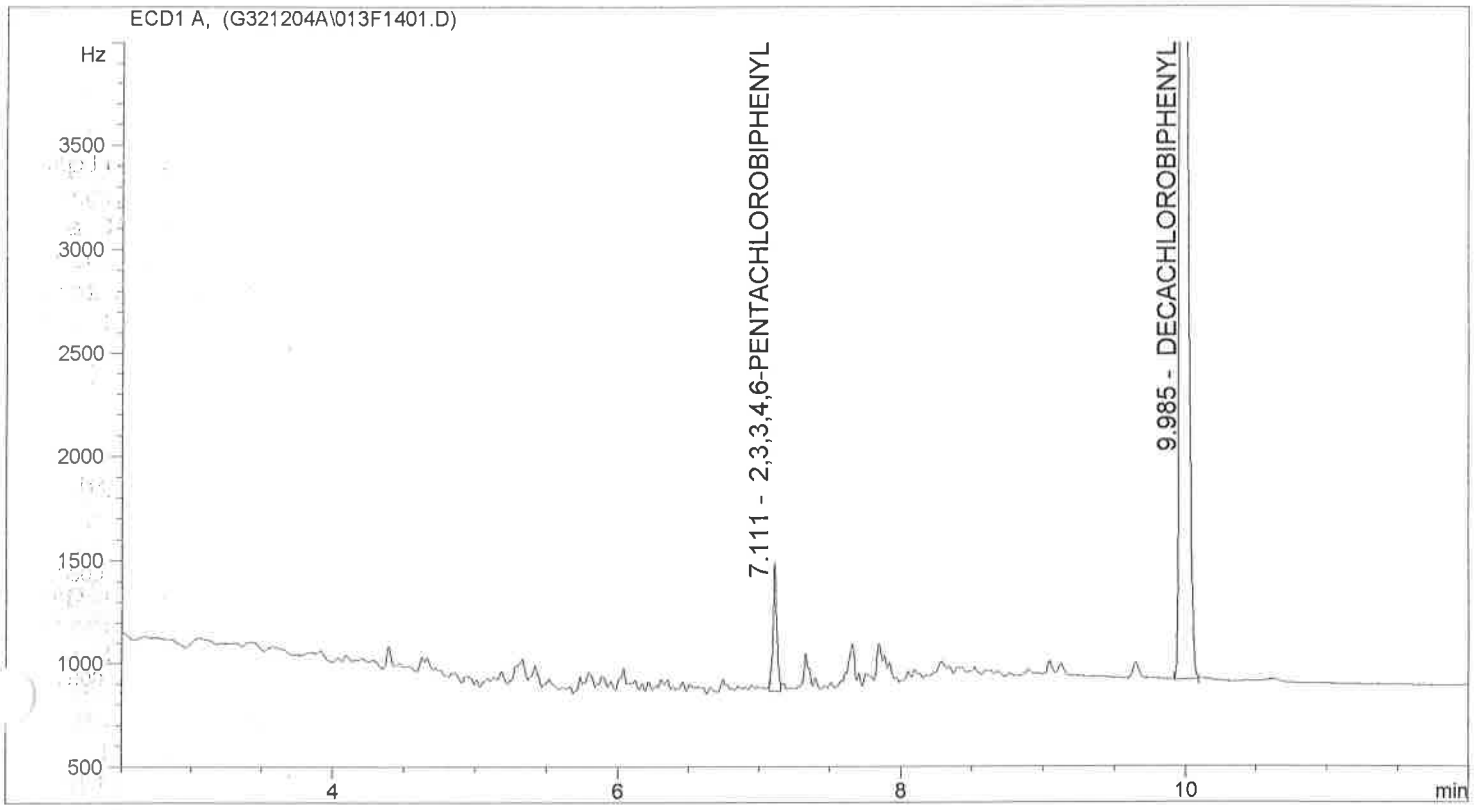
Sample Name : 2PCBS-764 F Inst. GC #32F - Congener Analysis
DAY 3 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204A\012F1301.D
Injection Date : 12/4/2018 2:36:14 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:15:49 PM Vial No. : 12
Seq. Method : CONF18C.M Sample Amt. : 2.5331
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	7.111	2,3,3,4,6-PENTACHLOROBIPHENYL	1148.1
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.990	DECACHLOROBIPHENYL	31418.4

Comments: _____

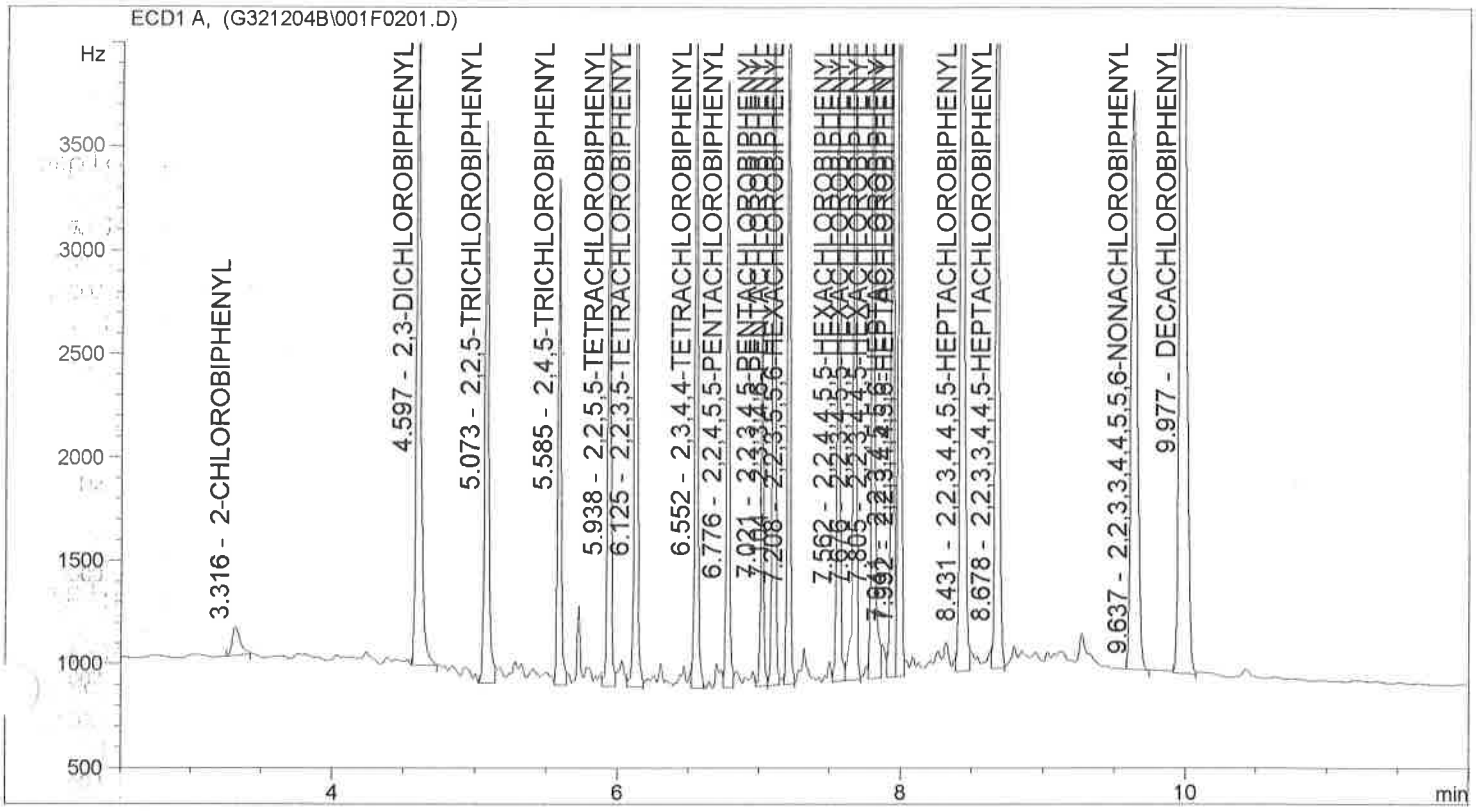
Sample Name : 2PCBS-764 G Inst. GC #32F - Congener Analysis
DAY 3 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204A\013F1401.D
Injection Date : 12/4/2018 2:51:28 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:16:49 PM Vial No. : 13
Eq. Method : CONF18C.M Sample Amt. : 2.5239
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	7.111	2,3,3,4,6-PENTACHLOROBIPHENYL	1178.1
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.985	DECACHLOROBIPHENYL	30643.2

Comments: _____

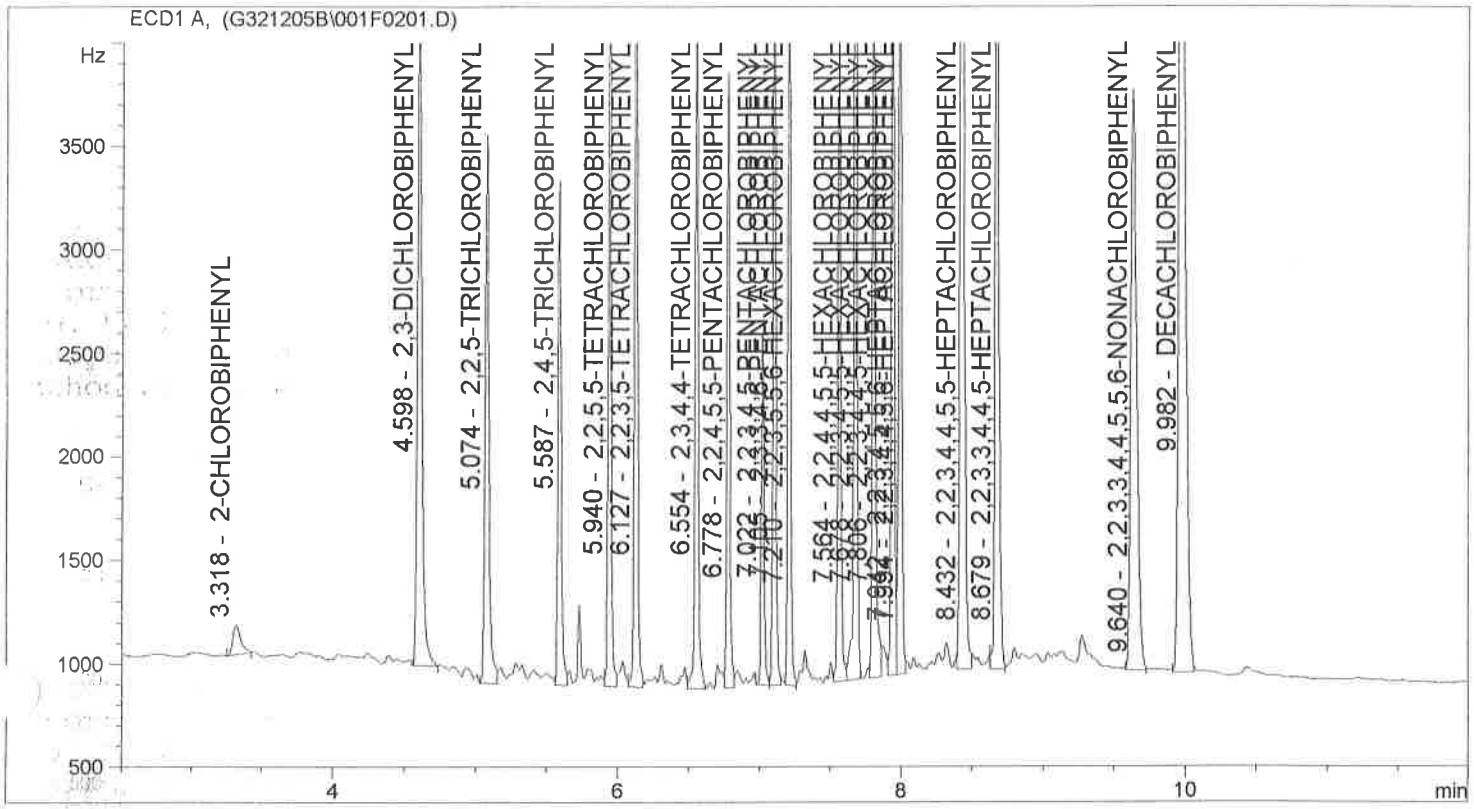
Sample Name : CCS Inst. GC #32F - Congener Analysis
2PCBS-791 ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\001F0201.D
Injection Date : 12/4/2018 5:49:39 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:28:18 PM Vial No. : 1
Seq. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.316	2-CHLOROBIPHENYL	535.8
4.599	4.597	2,3-DICHLOROBIPHENYL	6848.4
5.076	5.073	2,2,5-TRICHLOROBIPHENYL	4910.5
5.589	5.585	2,4,5-TRICHLOROBIPHENYL	3807.8
5.942	5.938	2,2,5,5-TETRACHLOROBIPHENYL	4887.8
6.128	6.125	2,2,3,5-TETRACHLOROBIPHENYL	6337.3
6.555	6.552	2,3,4,4-TETRACHLOROBIPHENYL	4815.7
6.780	6.776	2,2,4,5,5-PENTACHLOROBIPHENYL	4021.5
7.024	7.021	2,2,3,4,5-PENTACHLOROBIPHENYL	2333.1
7.107	7.104	2,3,3,4,6-PENTACHLOROBIPHENYL	5215.5
7.211	7.208	2,2,3,5,5,6-HEXACHLOROBIPHENYL	5010.8
7.565	7.562	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4749.3
7.679	7.676	2,2,3,4,5,5-HEXACHLOROBIPHENYL	7075.5
7.807	7.805	2,2,3,4,4,5-HEXACHLOROBIPHENYL	5972.8
7.943	7.941	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5538.4
7.994	7.992	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	6047.3
8.431	8.431	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	10692.4
8.677	8.678	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	7003.8
9.634	9.637	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	8175.9
9.973	9.977	DECACHLOROBIPHENYL	15082.4

Comments: _____

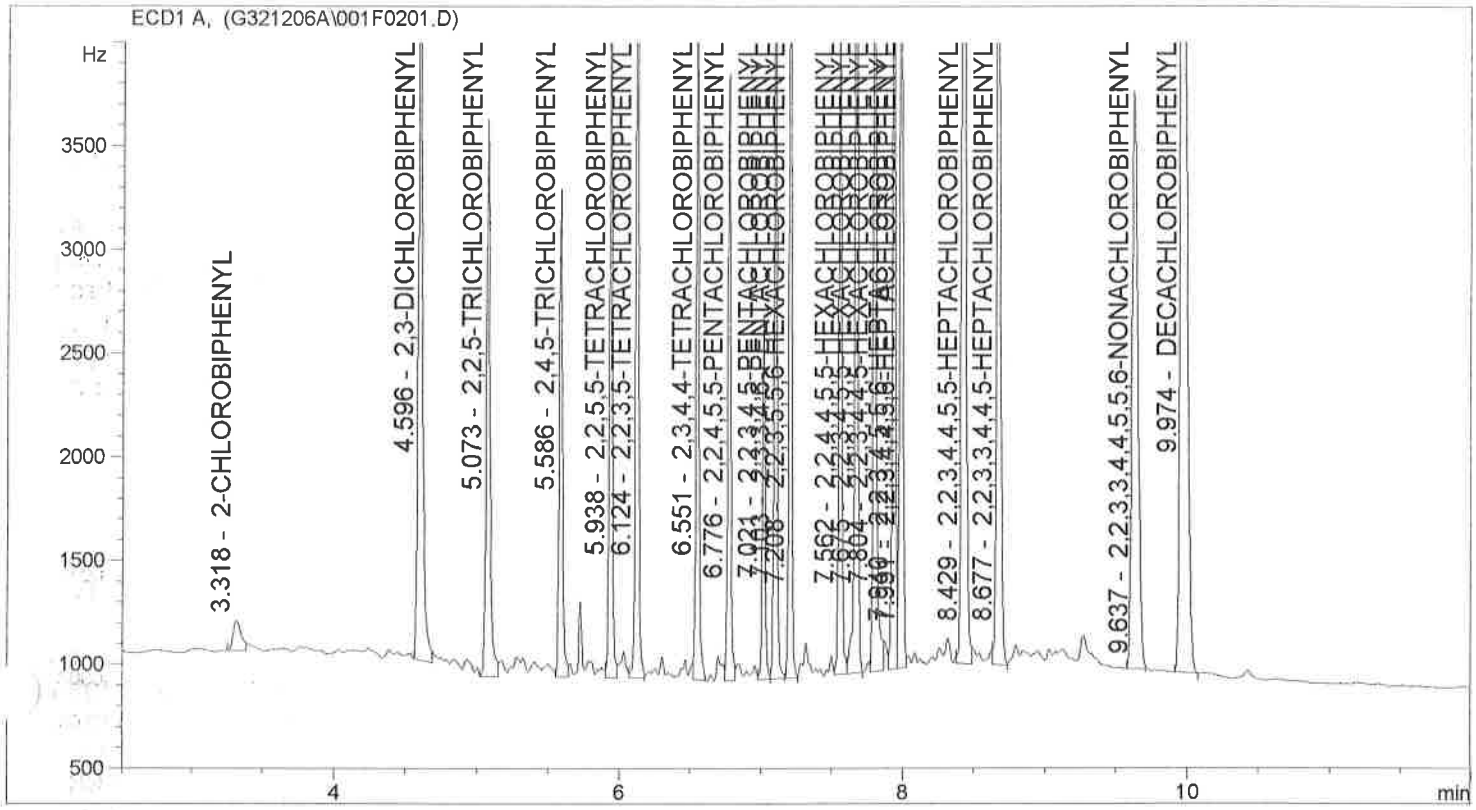
Sample Name : CCS Inst. GC #32F - Congener Analysis
2PCBS-791 ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\001F0201.D
Injection Date : 12/5/2018 4:12:52 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:00:15 PM Vial No. : 1
Seq. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.318	2-CHLOROBIPHENYL	549.0
4.599	4.598	2,3-DICHLOROBIPHENYL	6827.0
5.076	5.074	2,2,5-TRICHLOROBIPHENYL	4900.9
5.589	5.587	2,4,5-TRICHLOROBIPHENYL	3751.5
5.942	5.940	2,2,5,5-TETRACHLOROBIPHENYL	4806.5
6.128	6.127	2,2,3,5-TETRACHLOROBIPHENYL	6245.9
6.555	6.554	2,3,4,4-TETRACHLOROBIPHENYL	4854.3
6.780	6.778	2,2,4,5,5-PENTACHLOROBIPHENYL	3941.4
7.024	7.022	2,2,3,4,5-PENTACHLOROBIPHENYL	2272.6
7.107	7.105	2,3,3,4,6-PENTACHLOROBIPHENYL	5121.9
7.211	7.210	2,2,3,5,5,6-HEXACHLOROBIPHENYL	4920.3
7.565	7.564	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4675.7
7.679	7.678	2,2,3,4,5,5-HEXACHLOROBIPHENYL	6930.1
7.807	7.806	2,2,3,4,4,5-HEXACHLOROBIPHENYL	5791.2
7.943	7.942	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5411.8
7.994	7.994	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	5918.2
8.431	8.432	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	10513.1
8.677	8.679	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	6967.6
9.634	9.640	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	8164.8
9.973	9.982	DECACHLOROBIPHENYL	14995.1

Comments: _____

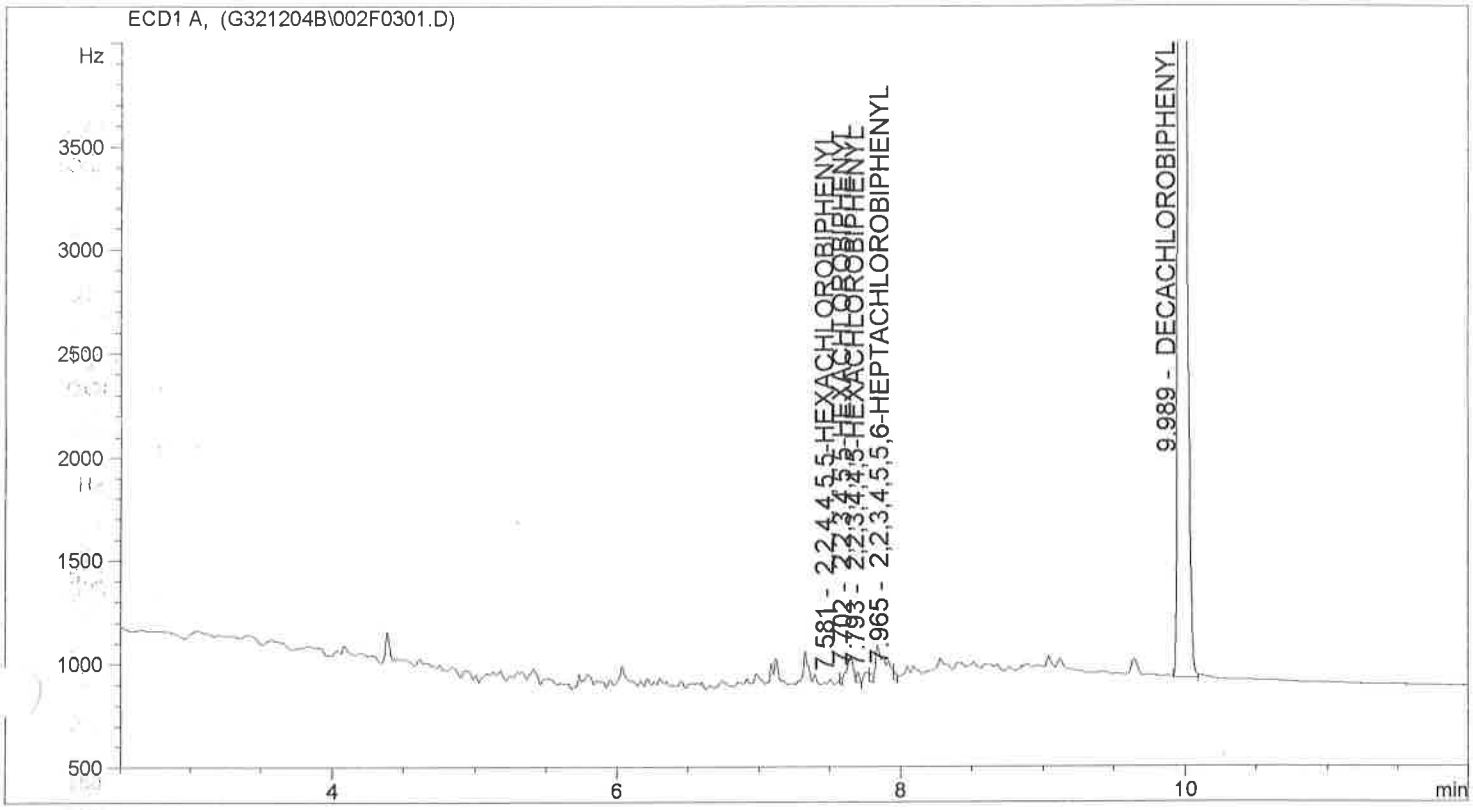
Sample Name : CCS Inst. GC #32F - Congener Analysis
2PCBS-791 ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\001F0201.D
Injection Date : 12/6/2018 3:51:04 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:00:26 AM Vial No. : 1
Seq. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.318	2-CHLOROBIPHENYL	556.3
4.599	4.596	2,3-DICHLOROBIPHENYL	6786.5
5.076	5.073	2,2,5-TRICHLOROBIPHENYL	4906.6
5.589	5.586	2,4,5-TRICHLOROBIPHENYL	3712.6
5.942	5.938	2,2,5,5-TETRACHLOROBIPHENYL	4747.6
6.128	6.124	2,2,3,5-TETRACHLOROBIPHENYL	6190.2
6.555	6.551	2,3,4,4-TETRACHLOROBIPHENYL	4711.1
6.780	6.776	2,2,4,5,5-PENTACHLOROBIPHENYL	3953.0
7.024	7.021	2,2,3,4,5-PENTACHLOROBIPHENYL	2306.1
7.107	7.103	2,3,3,4,6-PENTACHLOROBIPHENYL	5169.9
7.211	7.208	2,2,3,5,5,6-HEXACHLOROBIPHENYL	4936.2
7.565	7.562	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4669.2
7.679	7.675	2,2,3,4,5,5-HEXACHLOROBIPHENYL	6947.5
7.807	7.804	2,2,3,4,4,5-HEXACHLOROBIPHENYL	5924.2
7.943	7.940	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5442.1
7.994	7.991	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	5929.4
8.431	8.429	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	10502.4
8.677	8.677	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	6931.3
9.634	9.637	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	8045.5
9.973	9.974	DECACHLOROBIPHENYL	14843.6

Comments: _____

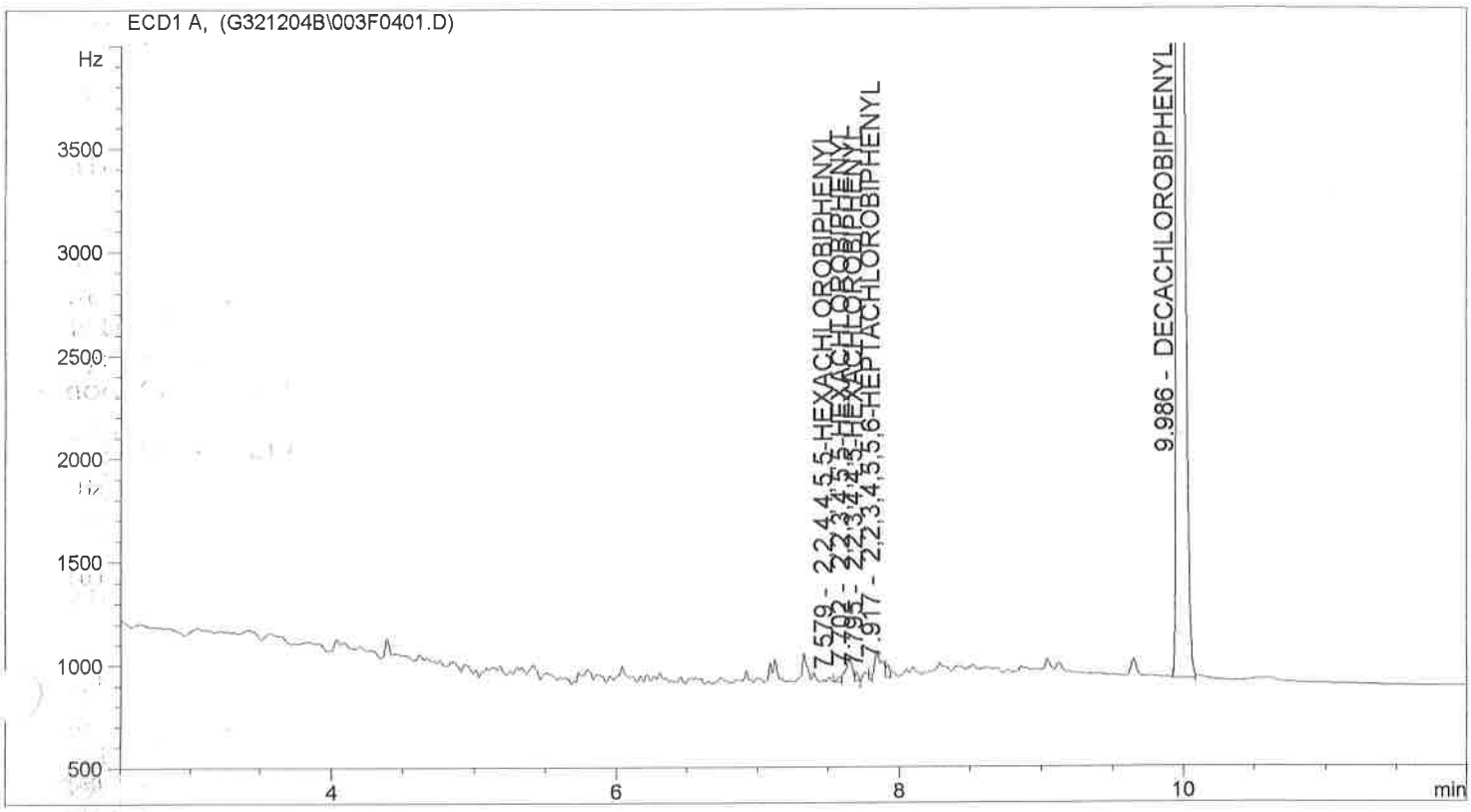
Sample Name : METHOD BLK 1 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\002F0301.D
Injection Date : 12/4/2018 6:04:45 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:33:03 PM Vial No. : 2
Meq. Method : CONF18C.M Sample Amt. : 2.5457
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	7.581	2,2,4,4,5,5-HEXACHLOROBIPHENYL	29.5
7.679	7.702	2,2,3,4,5,5-HEXACHLOROBIPHENYL	69.6
7.807	7.793	2,2,3,4,4,5-HEXACHLOROBIPHENYL	59.6
7.943	7.965	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	47.6
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.989	DECACHLOROBIPHENYL	31015.8

Comments: _____

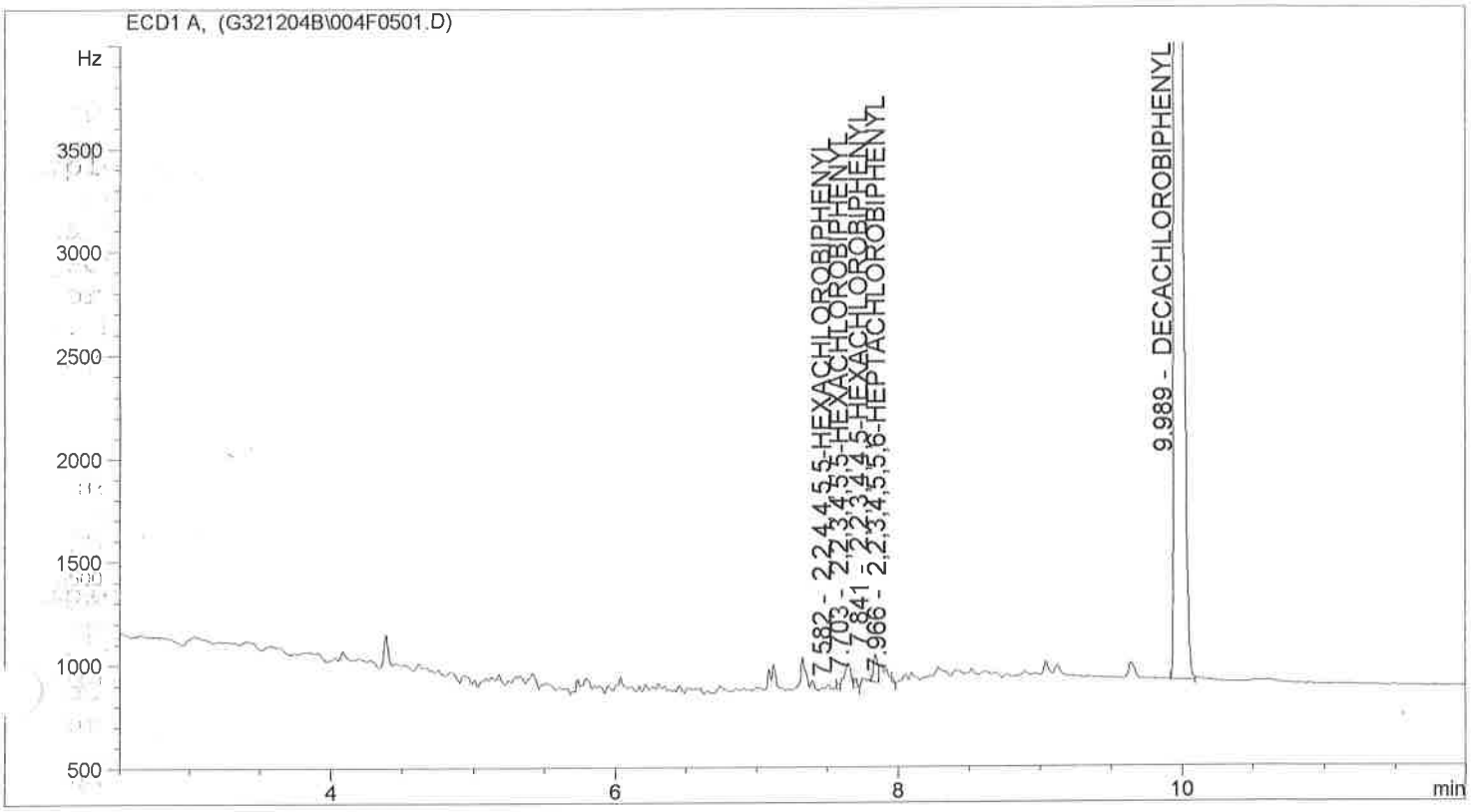
Sample Name : METHOD BLK 2 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\003F0401.D
Injection Date : 12/4/2018 6:19:50 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:37:07 PM Vial No. : 3
Seq. Method : CONF18C.M Sample Amt. : 2.5682
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	7.579	2,2,4,4,5,5-HEXACHLOROBIPHENYL	43.2
7.679	7.702	2,2,3,4,5,5-HEXACHLOROBIPHENYL	57.7
7.807	7.795	2,2,3,4,4,5-HEXACHLOROBIPHENYL	40.3
7.943	7.917	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	105.6
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.986	DECACHLOROBIPHENYL	30630.4

Comments: _____

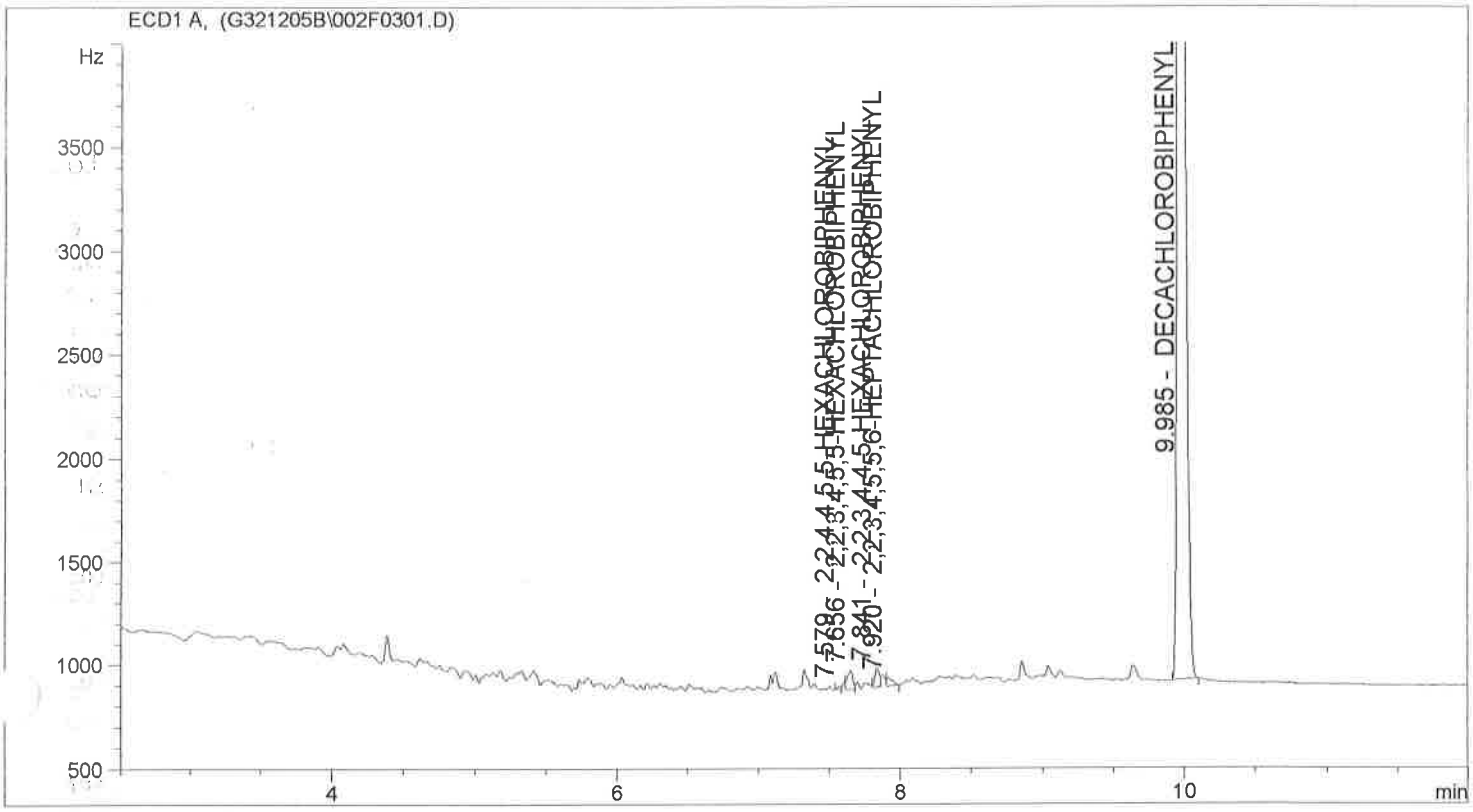
Sample Name : METHOD BLK 3 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\004F0501.D
Injection Date : 12/4/2018 6:34:57 PM Analyst ID. : NK ML AH
port Created : 12/7/2018 1:39:15 PM Vial No. : 4
.q. Method : CONF18C.M Sample Amt. : 2.5415
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	7.582	2,2,4,4,5,5-HEXACHLOROBIPHENYL	37.1
7.679	7.703	2,2,3,4,5,5-HEXACHLOROBIPHENYL	60.8
7.807	7.841	2,2,3,4,4,5-HEXACHLOROBIPHENYL	278.7
7.943	7.966	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	18.8
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.989	DECACHLOROBIPHENYL	31260.4

Comments: _____

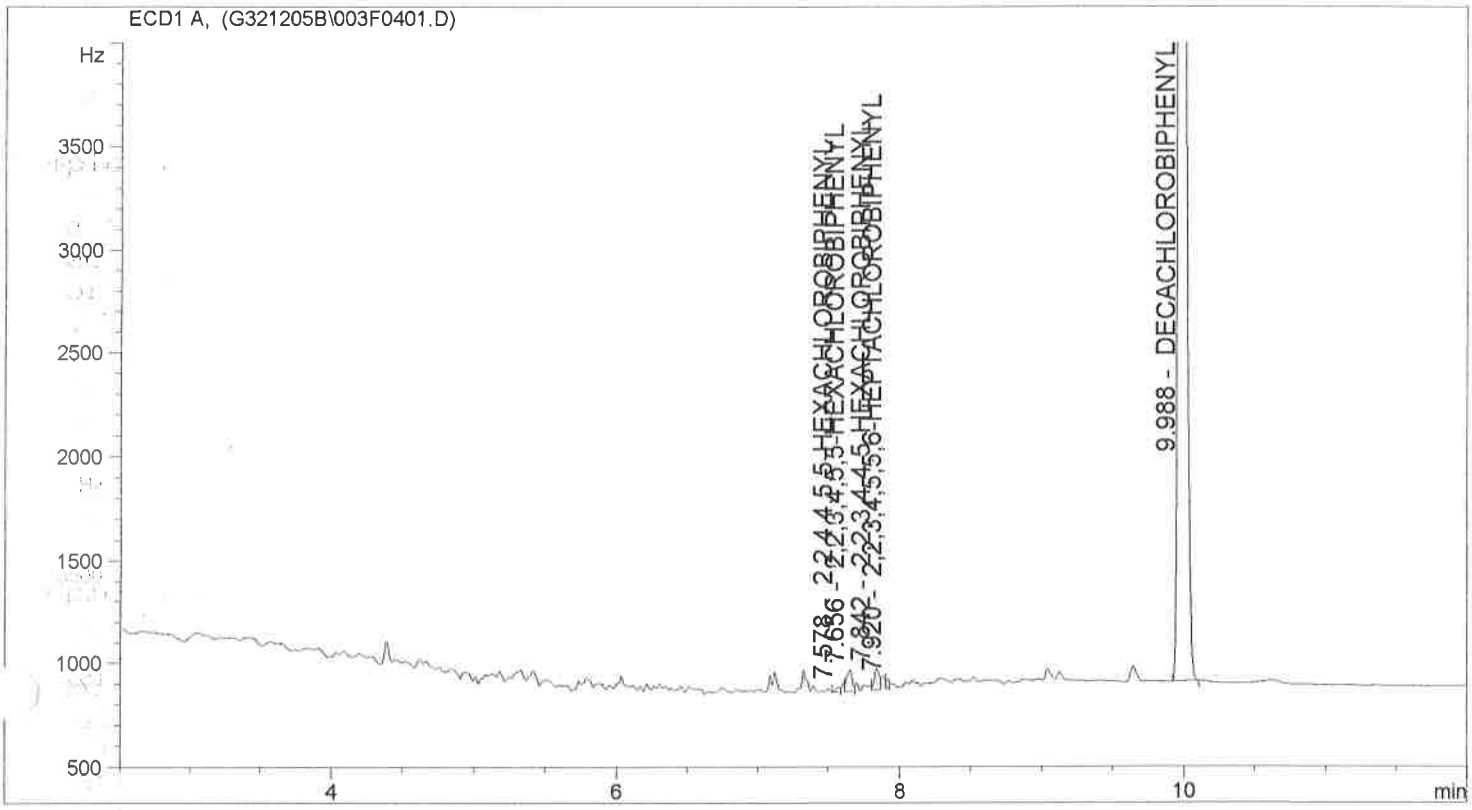
Sample Name : METHOD BLK 1 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\002F0301.D
Injection Date : 12/5/2018 4:27:57 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:05:29 PM Vial No. : 2
Eq. Method : CONF18C.M Sample Amt. : 2.5398
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	7.579	2,2,4,4,5,5-HEXACHLOROBIPHENYL	28.5
7.679	7.656	2,2,3,4,5,5-HEXACHLOROBIPHENYL	244.4
7.807	7.841	2,2,3,4,4,5-HEXACHLOROBIPHENYL	203.4
7.943	7.920	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	112.6
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.985	DECACHLOROBIPHENYL	29546.0

Comments: _____

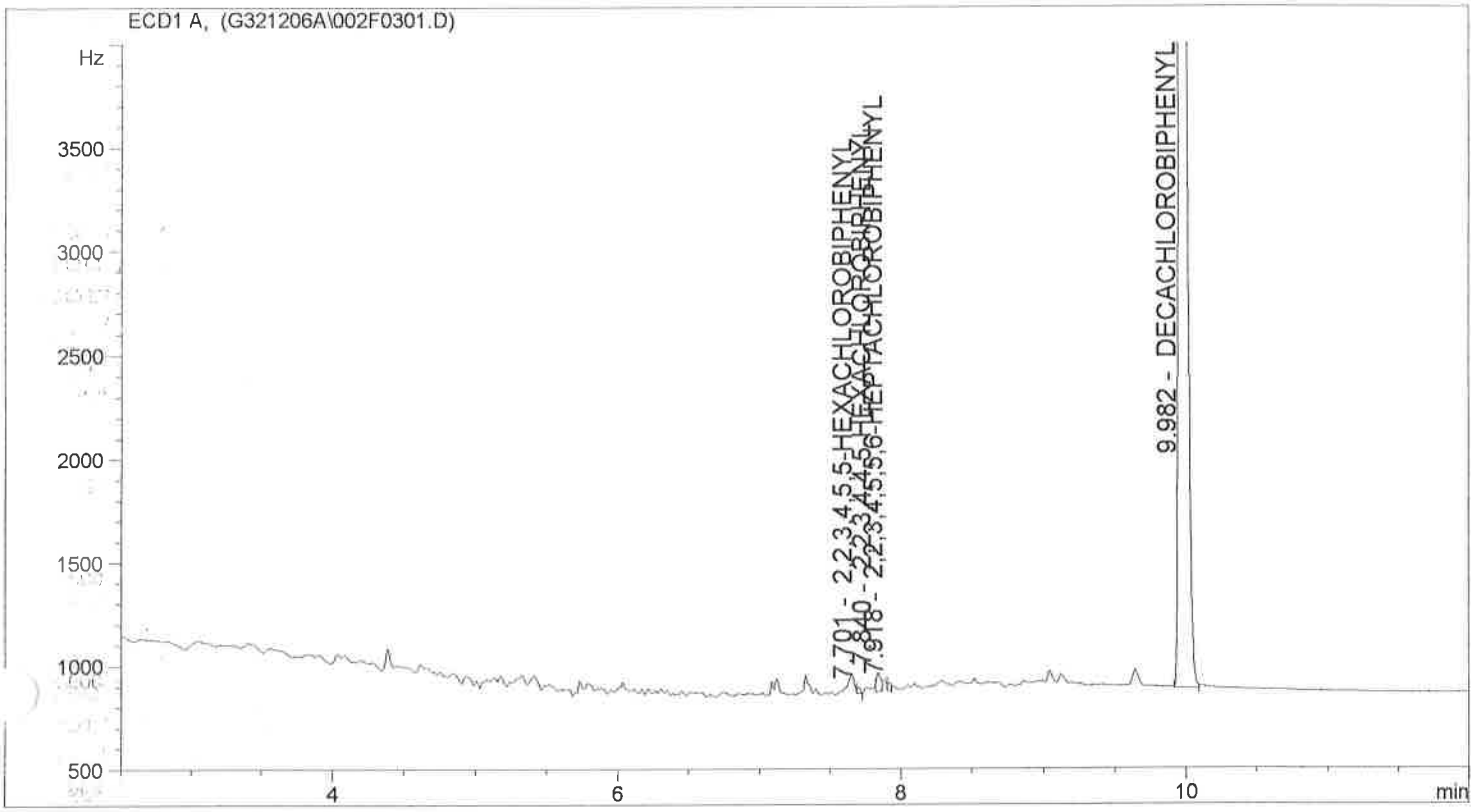
Sample Name : METHOD BLK 2 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\003F0401.D
Injection Date : 12/5/2018 4:43:01 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:08:07 PM Vial No. : 3
Inj. Method : CONF18C.M Sample Amt. : 2.5528
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	7.578	2,2,4,4,5,5-HEXACHLOROBIPHENYL	44.1
7.679	7.656	2,2,3,4,5,5-HEXACHLOROBIPHENYL	271.2
7.807	7.842	2,2,3,4,4,5-HEXACHLOROBIPHENYL	231.0
7.943	7.920	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	69.4
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.988	DECACHLOROBIPHENYL	30106.4

Comments: _____

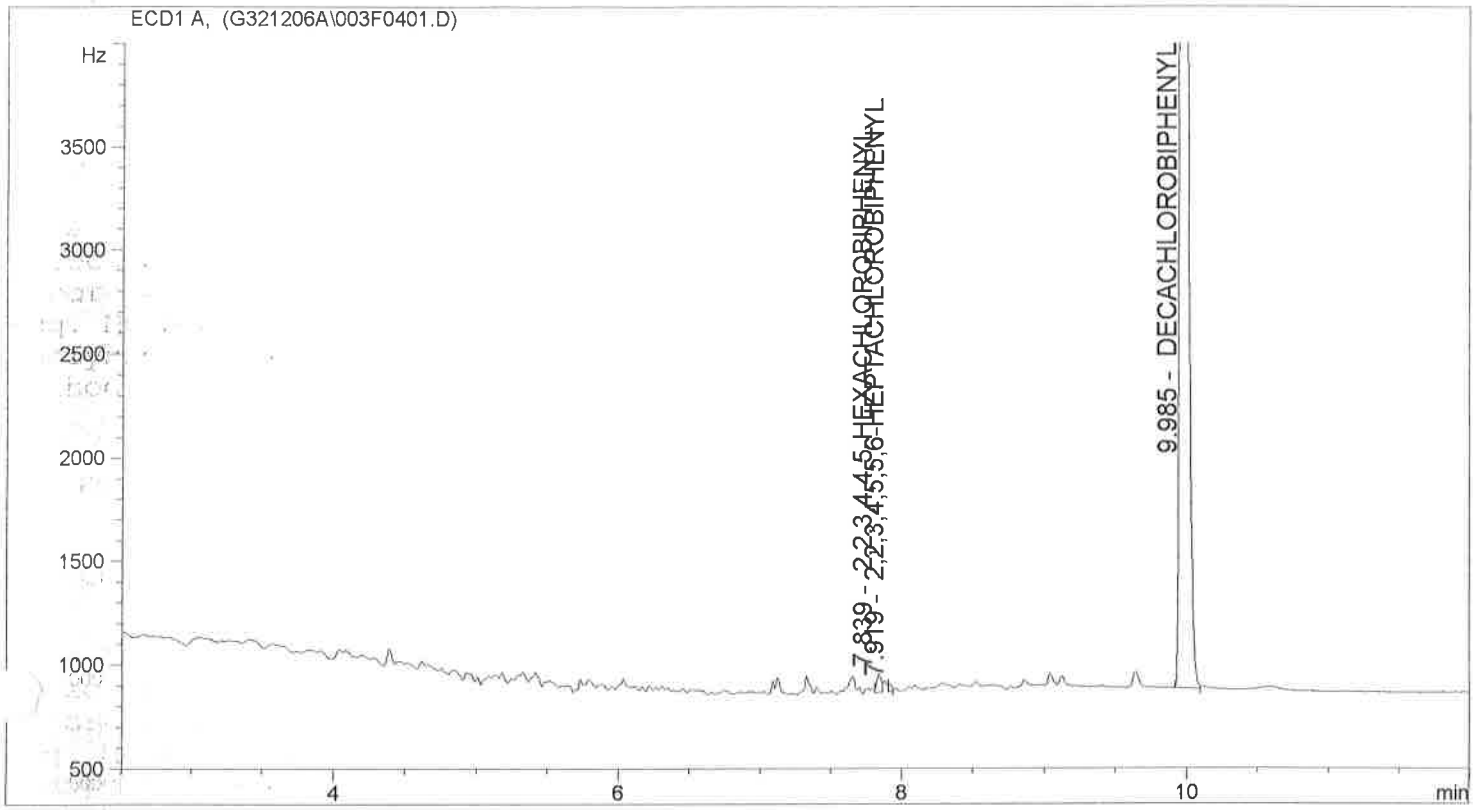
Sample Name : METHOD BLK 1 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\002F0301.D
Injection Date : 12/6/2018 4:06:19 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:04:39 AM Vial No. : 2
Seq. Method : CONF18C.M Sample Amt. : 2.5489
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	7.701	2,2,3,4,5,5-HEXACHLOROBIPHENYL	42.8
7.807	7.840	2,2,3,4,4,5-HEXACHLOROBIPHENYL	189.8
7.943	7.918	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	59.6
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.982	DECACHLOROBIPHENYL	30523.2

Comments: _____

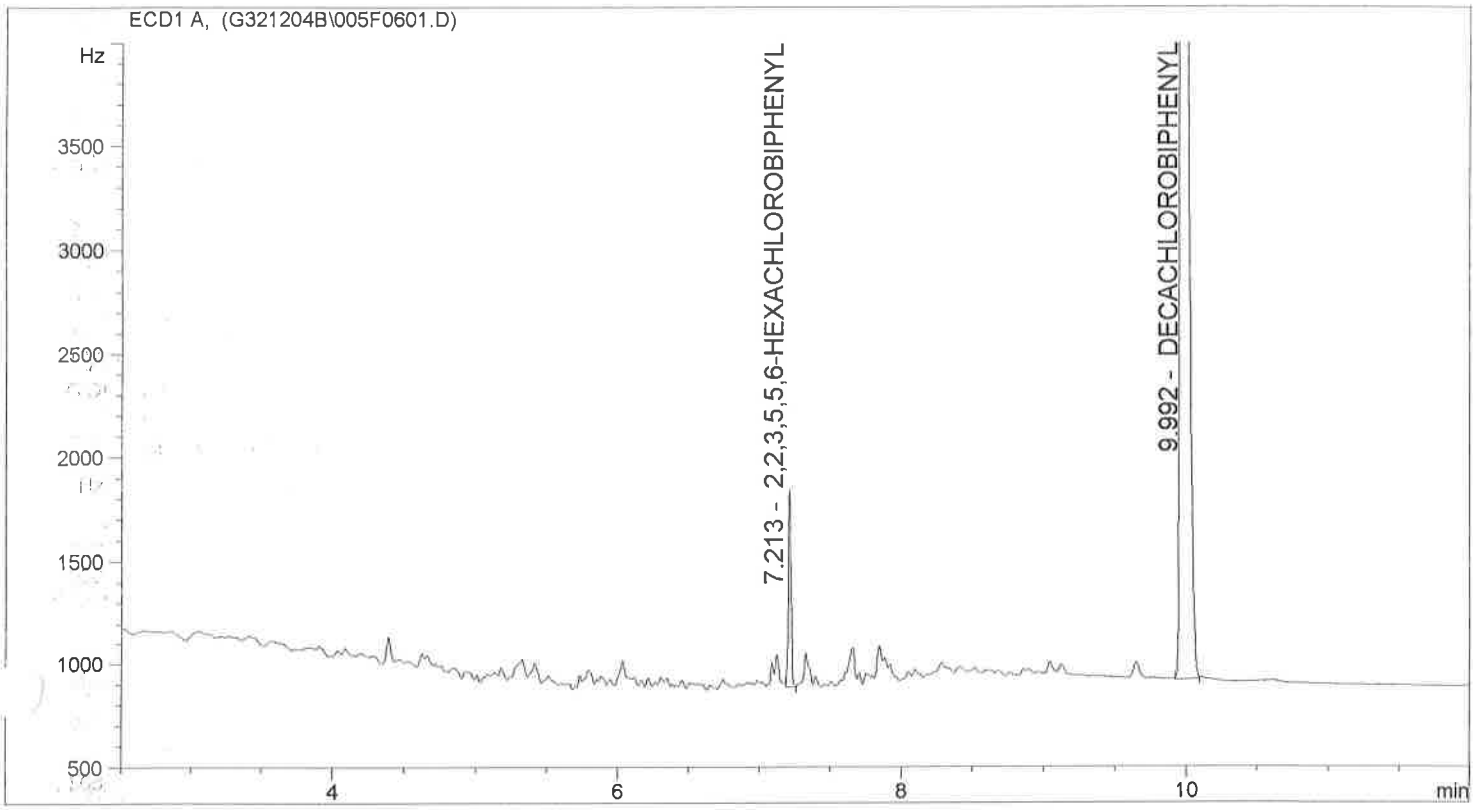
Sample Name : METHOD BLK 2 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\003F0401.D
Injection Date : 12/6/2018 4:21:25 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:06:30 AM Vial No. : 3
Inj. Method : CONF18C.M Sample Amt. : 2.5389
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	7.839	2,2,3,4,4,5-HEXACHLOROBIPHENYL	194.2
7.943	7.919	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	57.8
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.985	DECACHLOROBIPHENYL	30845.2

Comments: _____

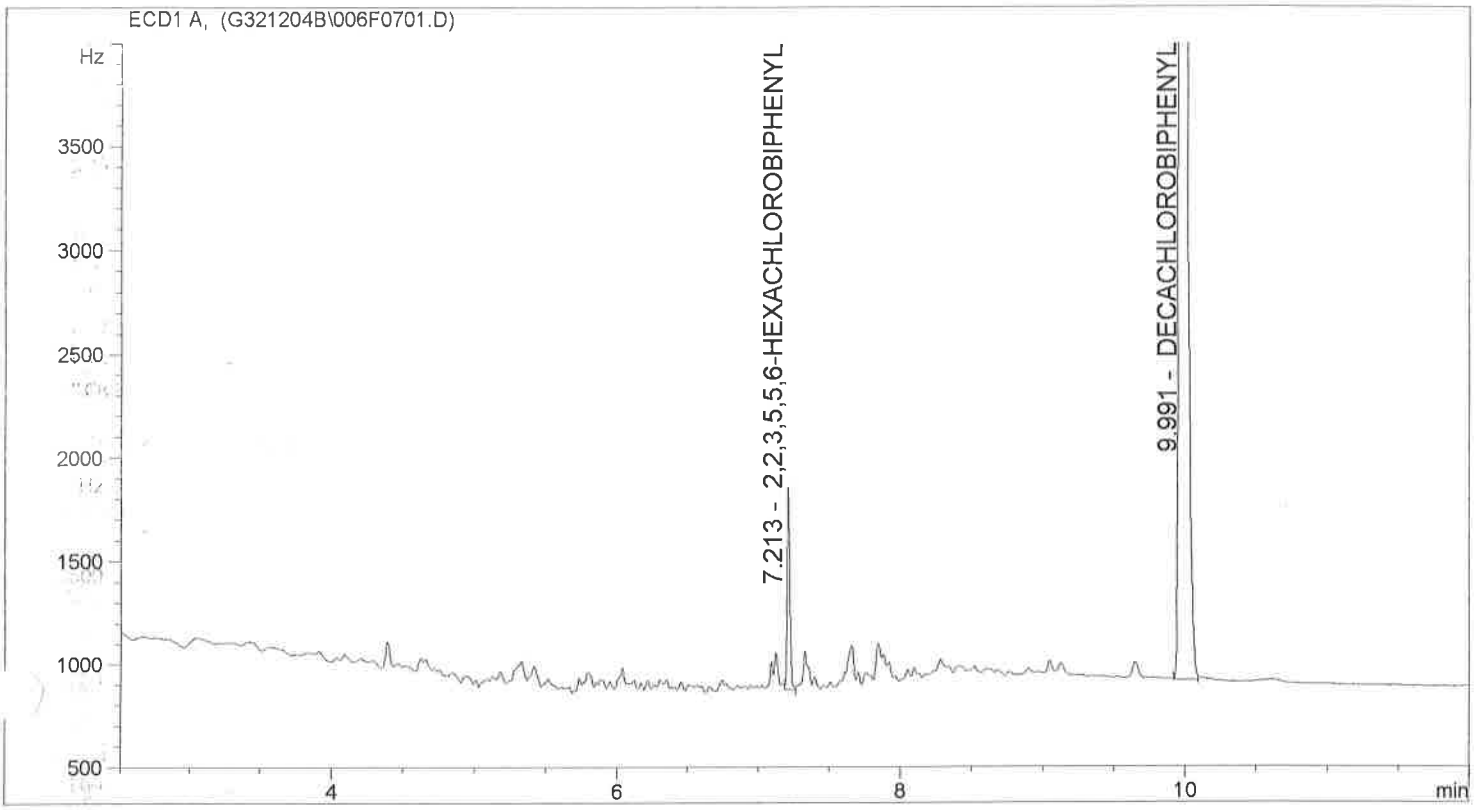
Sample Name : 2PCBS-767 A Inst. GC #32F - Congener Analysis
DAY 1 0.024 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\005F0601.D
Injection Date : 12/4/2018 6:50:14 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:43:25 PM Vial No. : 5
Meq. Method : CONF18C.M Sample Amt. : 2.5693
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	7.213	2,2,3,5,5,6-HEXACHLOROBIPHENYL	1259.4
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.992	DECACHLOROBIPHENYL	31382.4

Comments: _____

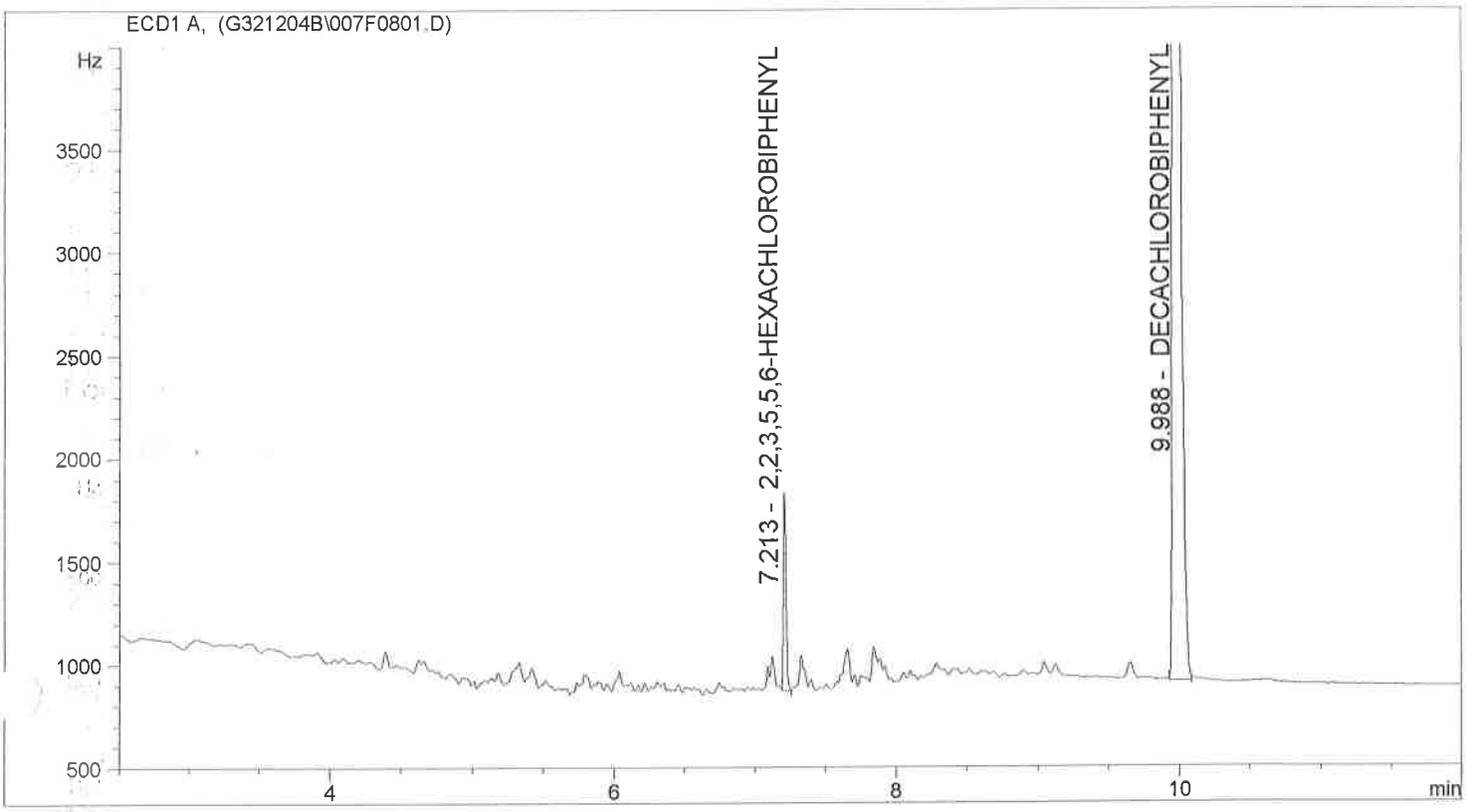
Sample Name : 2PCBS-767 B Inst. GC #32F - Congener Analysis
DAY 1 0.024 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\006F0701.D
Injection Date : 12/4/2018 7:05:18 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:44:12 PM Vial No. : 6
Inj. Method : CONF18C.M Sample Amt. : 2.5518
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	7.213	2,2,3,5,5,6-HEXACHLOROBIPHENYL	1316.8
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.991	DECACHLOROBIPHENYL	31044.1

Comments: _____

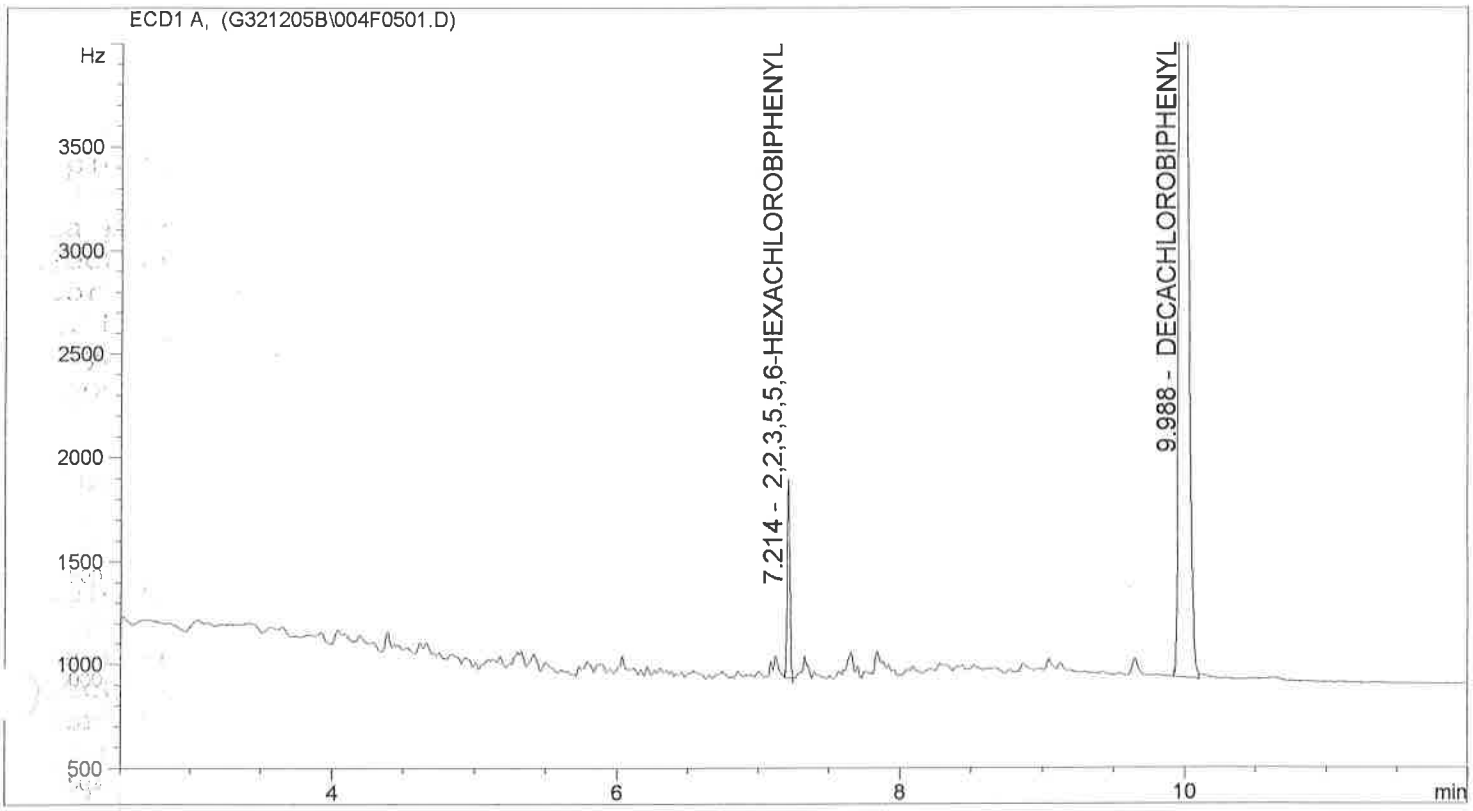
Sample Name : 2PCBS-767 C Inst. GC #32F - Congener Analysis
DAY 1 0.024 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\007F0801.D
Injection Date : 12/4/2018 7:20:22 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:44:57 PM Vial No. : 7
Meq. Method : CONF18C.M Sample Amt. : 2.5405
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	7.213	2,2,3,5,5,6-HEXACHLOROBIPHENYL	1273.6
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.988	DECACHLOROBIPHENYL	30489.1

Comments: _____

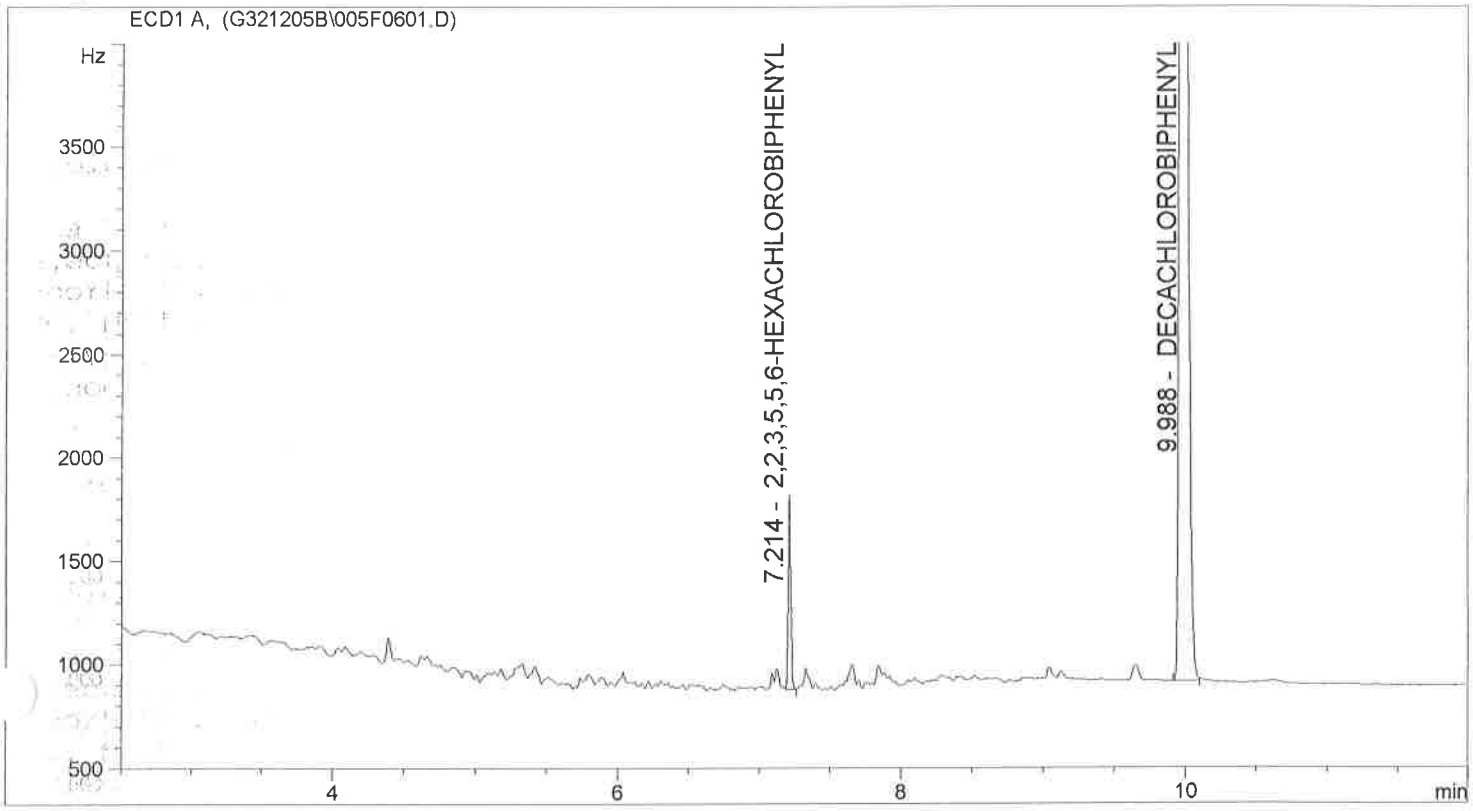
Sample Name : 2PCBS-767 D Inst. GC #32F - Congener Analysis
DAY 2 0.024 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\004F0501.D
Injection Date : 12/5/2018 4:58:15 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:09:43 PM Vial No. : 4
Inj. Method : CONF18C.M Sample Amt. : 2.5316
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	7.214	2,2,3,5,5,6-HEXACHLOROBIPHENYL	1228.3
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.988	DECACHLOROBIPHENYL	31285.9

Comments: _____

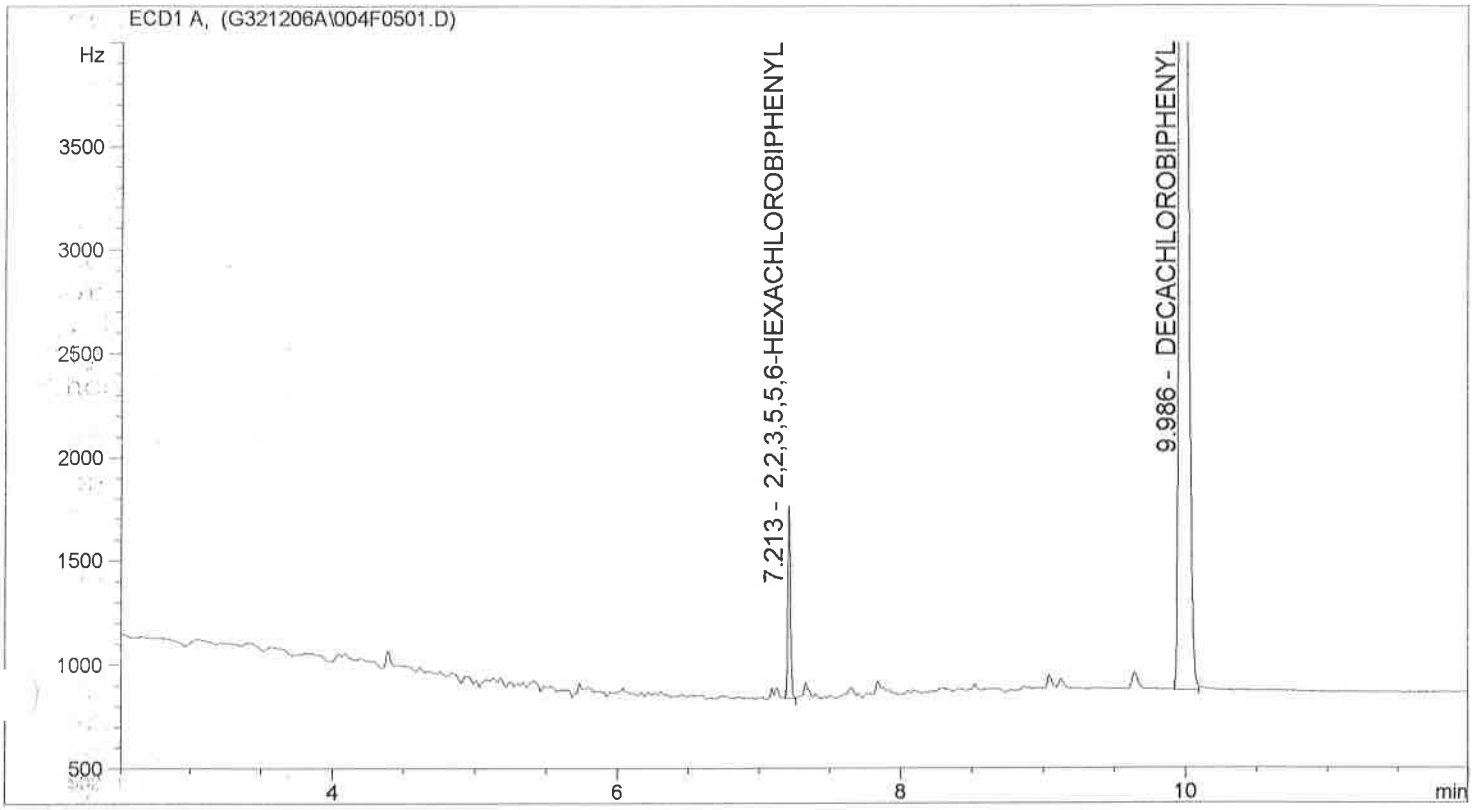
Sample Name : 2PCBS-767 E Inst. GC #32F - Congener Analysis
DAY 2 0.024 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\005F0601.D
Injection Date : 12/5/2018 5:13:22 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:10:31 PM Vial No. : 5
Eq. Method : CONF18C.M Sample Amt. : 2.5431
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	7.214	2,2,3,5,5,6-HEXACHLOROBIPHENYL	1232.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.988	DECACHLOROBIPHENYL	31054.7

Comments: _____

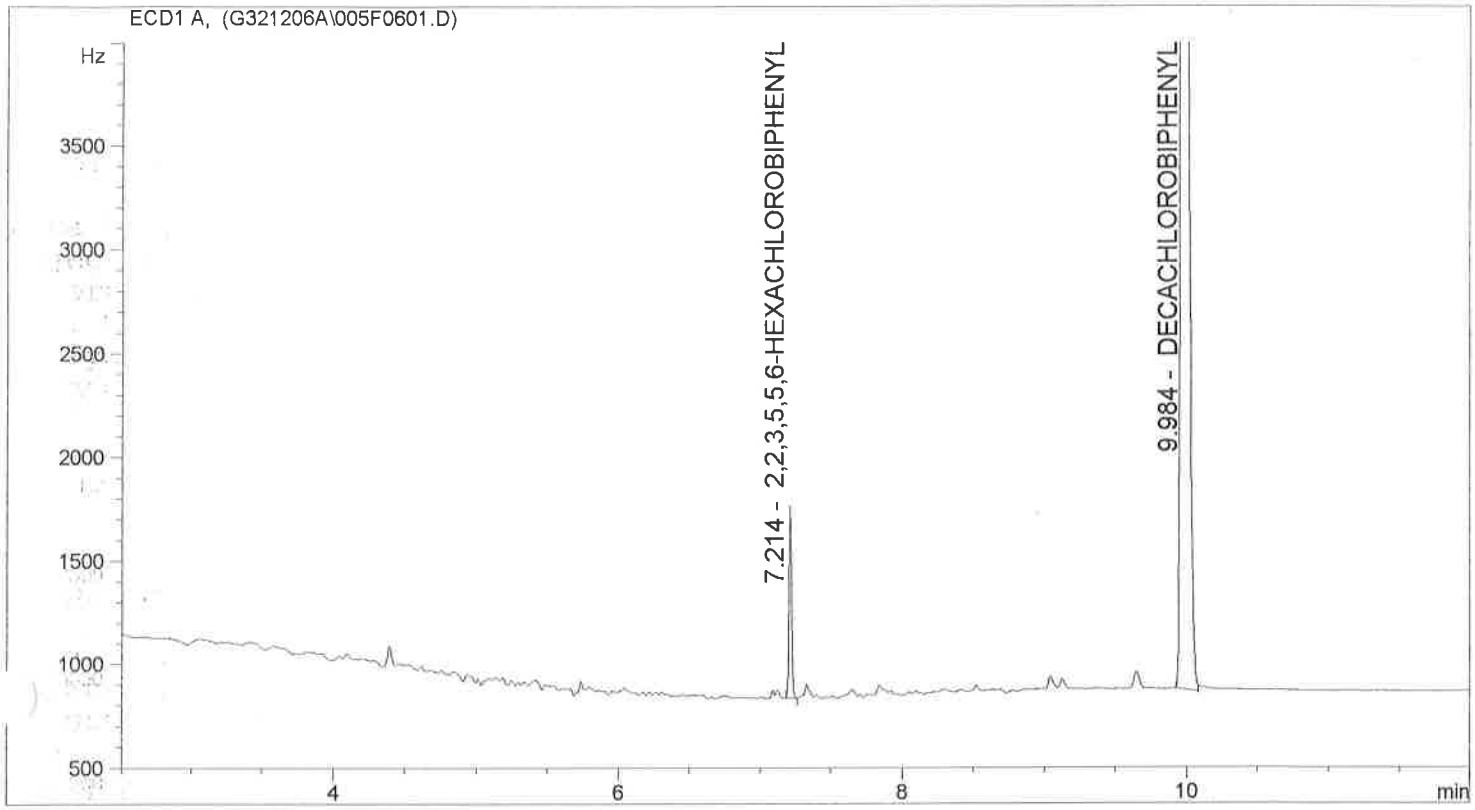
Sample Name : 2PCBS-767 F Inst. GC #32F - Congener Analysis
DAY 2 0.024 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\004F0501.D
Injection Date : 12/6/2018 4:36:30 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:08:04 AM Vial No. : 4
Req. Method : CONF18C.M Sample Amt. : 2.5422
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	7.213	2,2,3,5,5,6-HEXACHLOROBIPHENYL	1208.4
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.986	DECACHLOROBIPHENYL	31108.0

Comments: _____

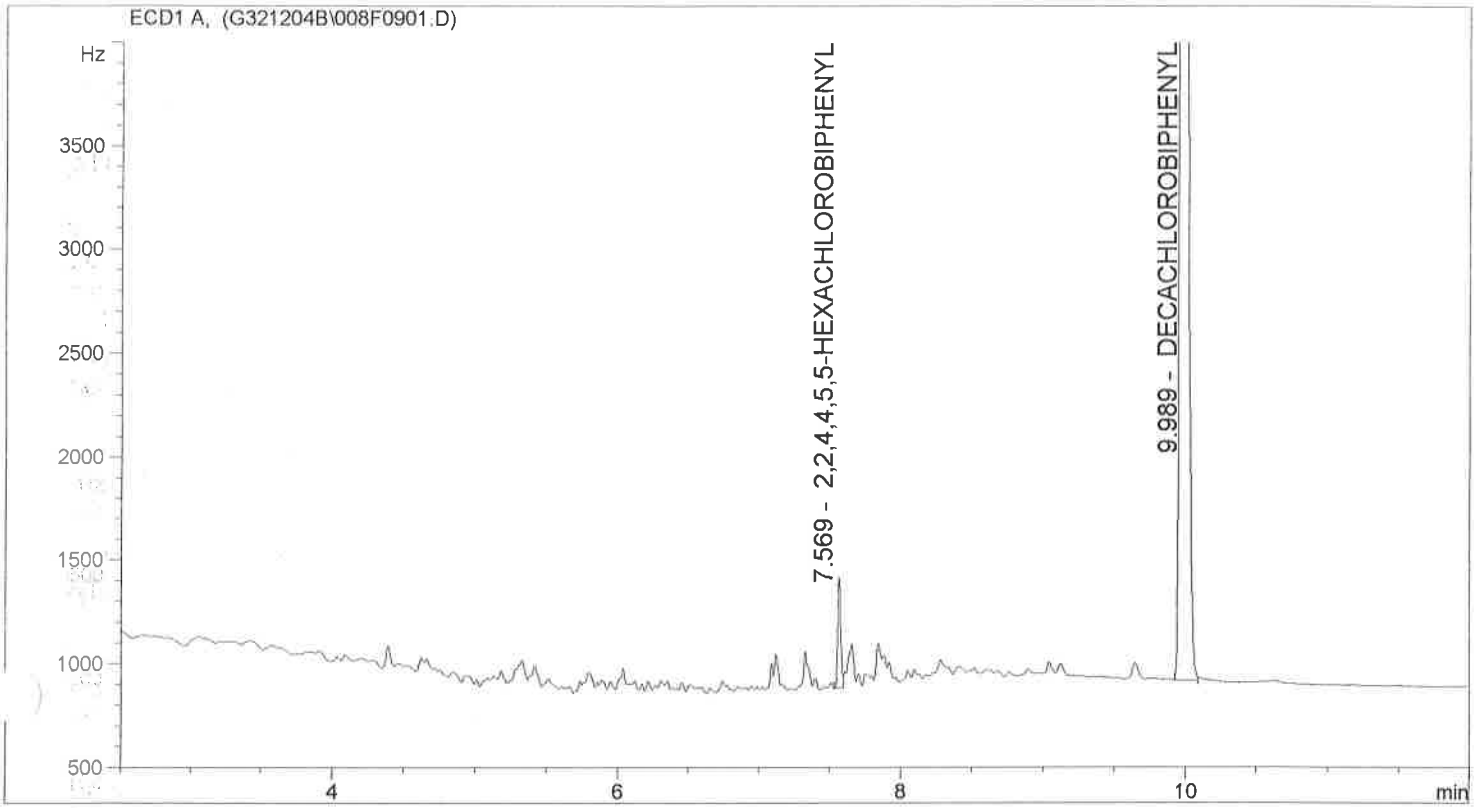
Sample Name : 2PCBS-767 G Inst. GC #32F - Congener Analysis
DAY 2 0.024 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\005F0601.D
Injection Date : 12/6/2018 4:51:45 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:08:57 AM Vial No. : 5
Inj. Method : CONF18C.M Sample Amt. : 2.5472
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	7.214	2,2,3,5,5,6-HEXACHLOROBIPHENYL	1202.1
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.984	DECACHLOROBIPHENYL	30725.7

Comments: _____

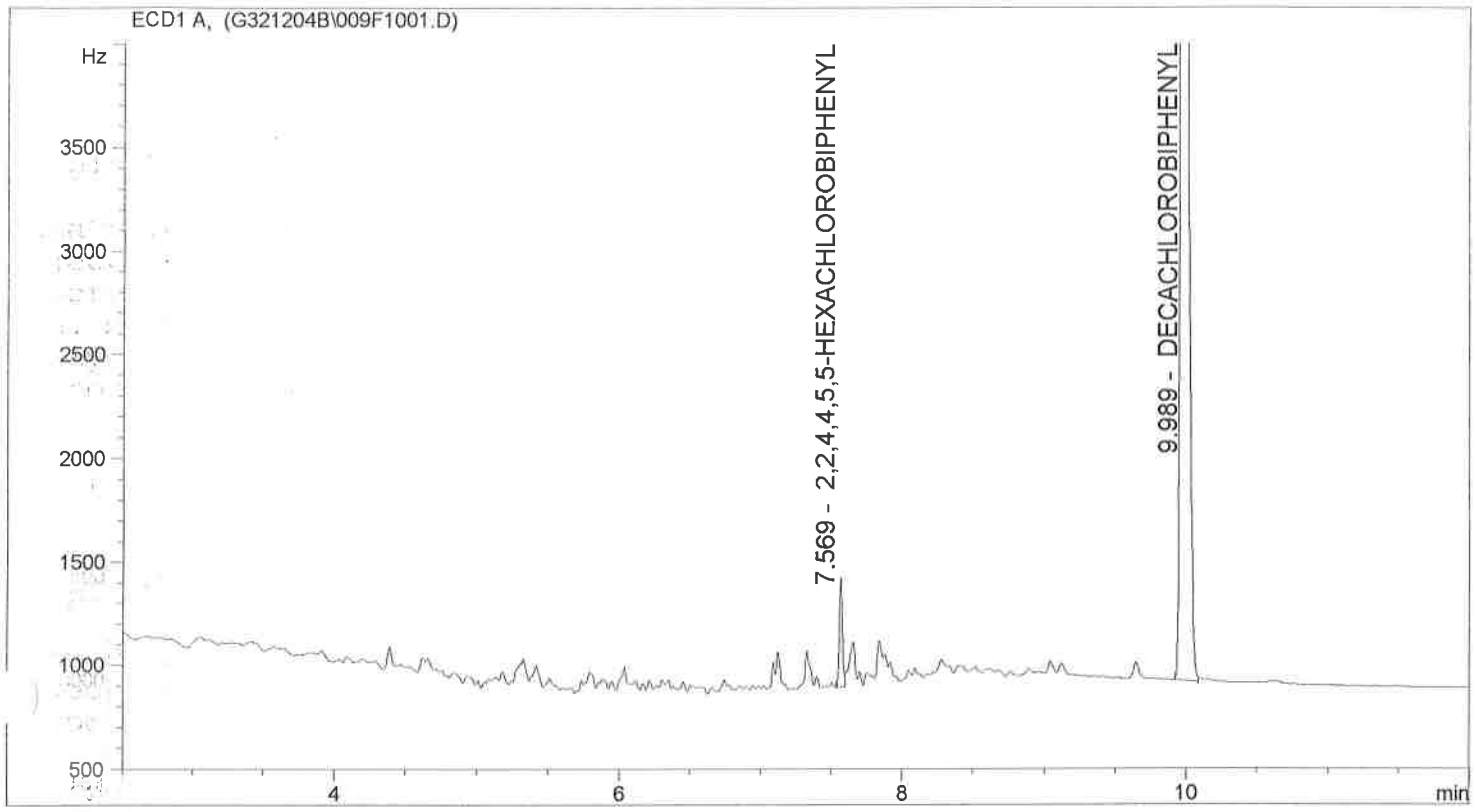
Sample Name : 2PCBS-768 A Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\008F0901.D
Injection Date : 12/4/2018 7:35:36 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:45:49 PM Vial No. : 8
Meq. Method : CONF18C.M Sample Amt. : 2.5398
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	7.569	2,2,4,4,5,5-HEXACHLOROBIPHENYL	770.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.989	DECACHLOROBIPHENYL	30495.8

Comments: _____

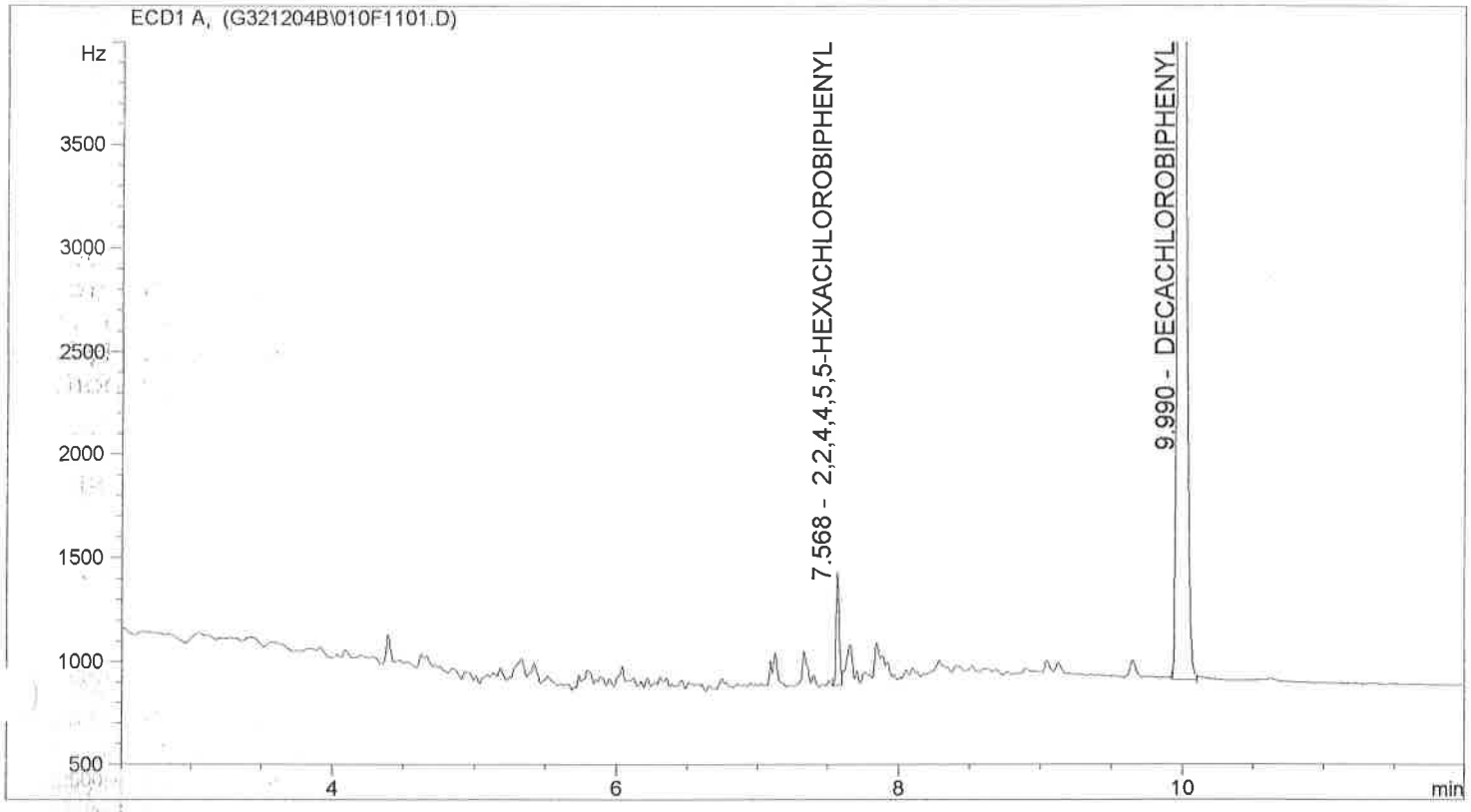
Sample Name : 2PCBS-768 B Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\009F1001.D
Injection Date : 12/4/2018 7:50:40 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:54:39 PM Vial No. : 9
Eq. Method : CONF18C.M Sample Amt. : 2.5430
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	7.569	2,2,4,4,5,5-HEXACHLOROBIPHENYL	792.1
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.989	DECACHLOROBIPHENYL	30904.1

Comments: _____

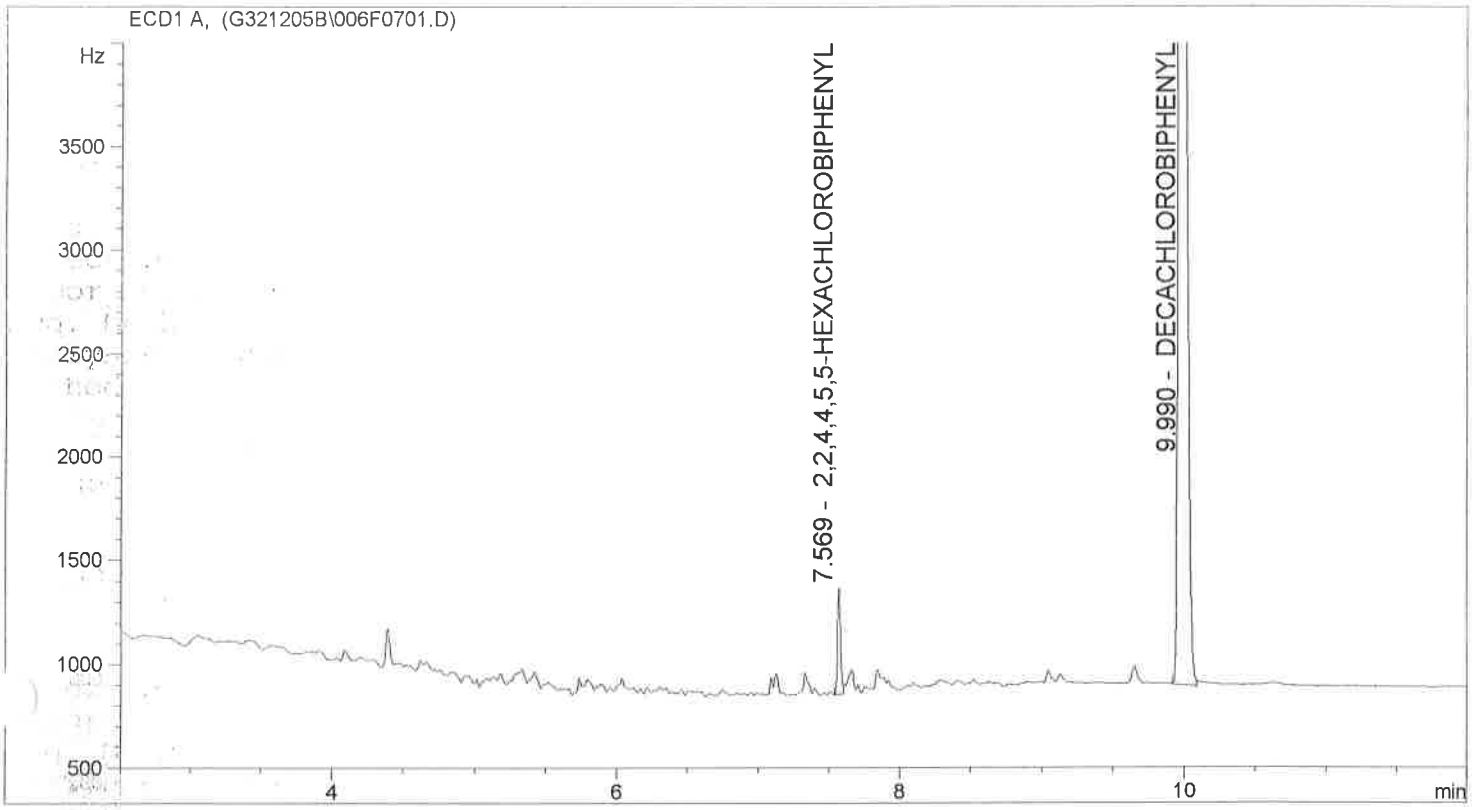
Sample Name : 2PCBS-768 C Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\010F1101.D
Injection Date : 12/4/2018 8:05:47 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 1:55:28 PM Vial No. : 10
Eq. Method : CONF18C.M Sample Amt. : 2.5406
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	7.568	2,2,4,4,5,5-HEXACHLOROBIPHENYL	801.3
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.990	DECACHLOROBIPHENYL	31075.2

Comments: _____

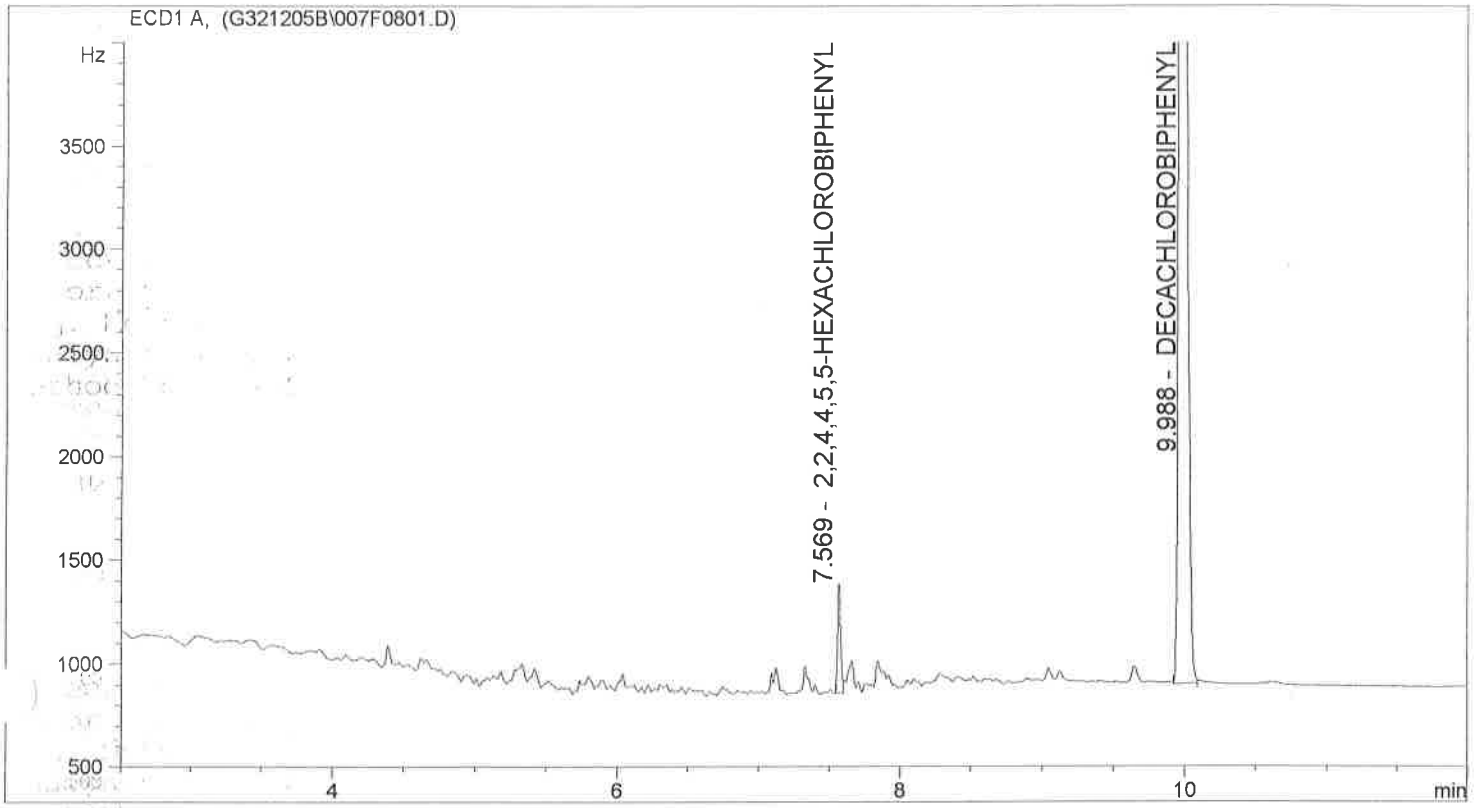
Sample Name : 2PCBS-768 D Inst. GC #32F - Congener Analysis
DAY 2 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\006F0701.D
Injection Date : 12/5/2018 5:28:28 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:11:16 PM Vial No. : 6
q. Method : CONF18C.M Sample Amt. : 2.5643
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	7.569	2,2,4,4,5,5-HEXACHLOROBIPHENYL	742.9
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.990	DECACHLOROBIPHENYL	30734.6

Comments: _____

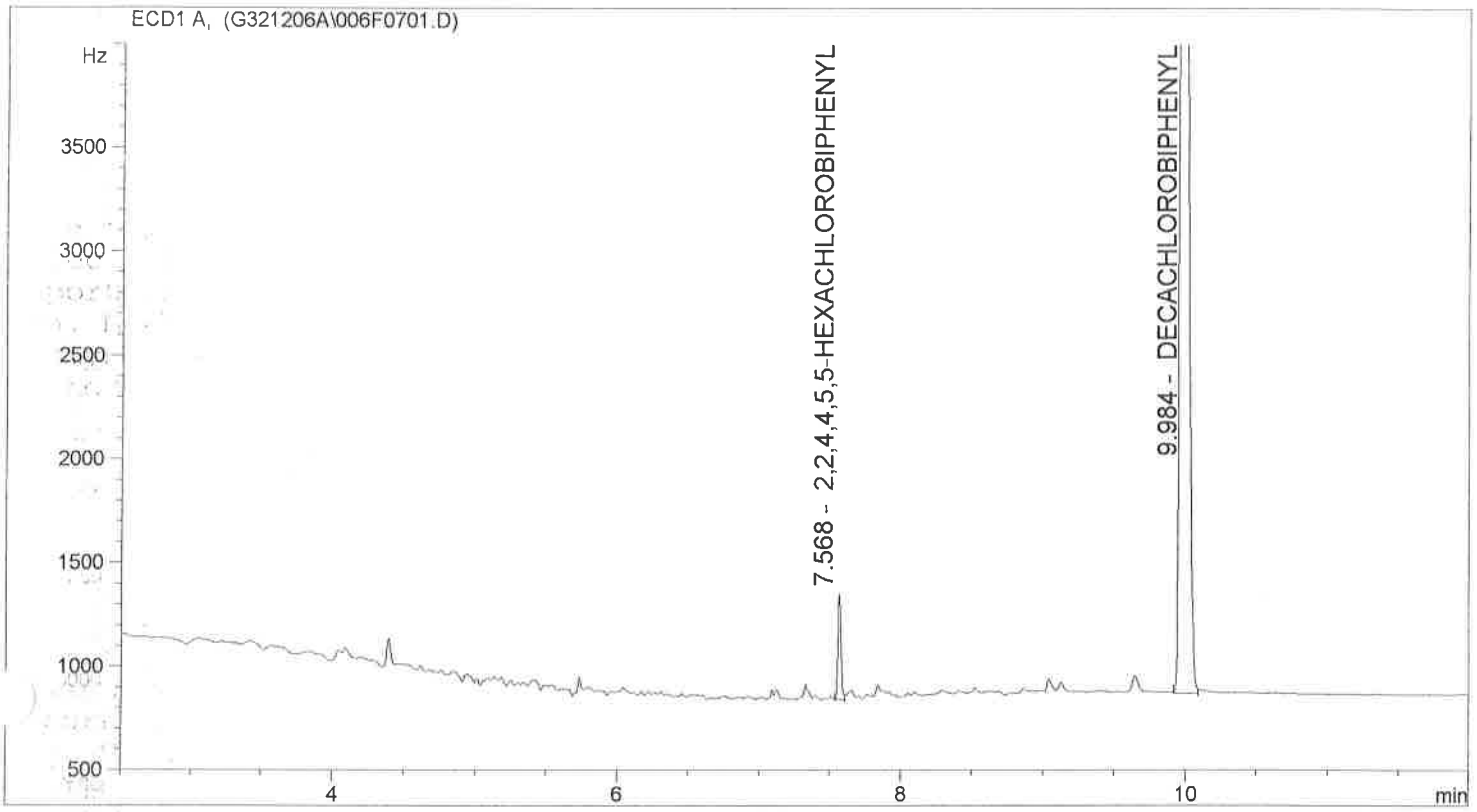
Sample Name : 2PCBS-768 E Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\007F0801.D
Injection Date : 12/5/2018 5:43:33 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:12:09 PM Vial No. : 7
Inj. Method : CONF18C.M Sample Amt. : 2.5474
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	7.569	2,2,4,4,5,5-HEXACHLOROBIPHENYL	774.4
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.988	DECACHLOROBIPHENYL	30534.3

Comments: _____

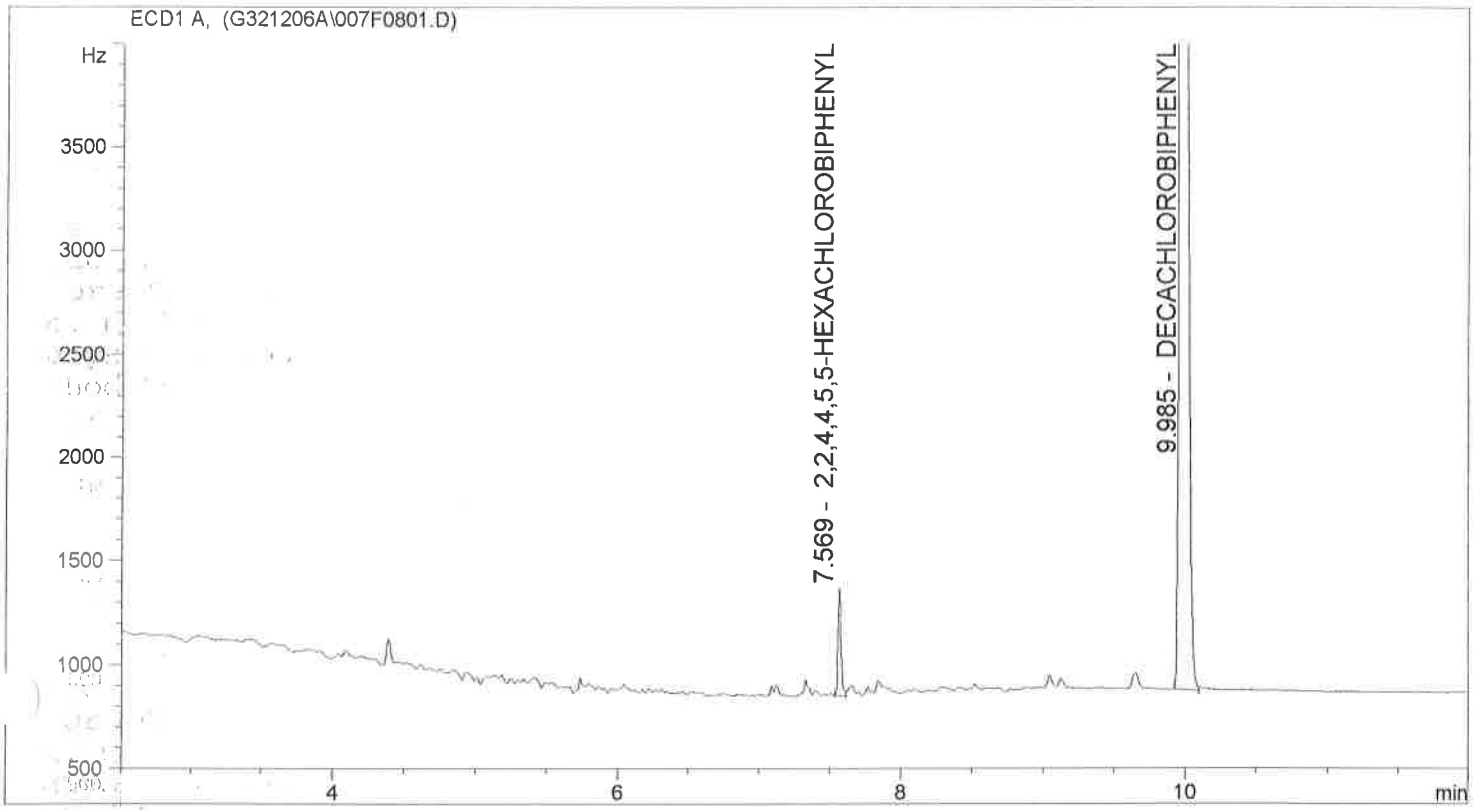
Sample Name : 2PCBS-768 F Inst. GC #32F - Congener Analysis
DAY 2 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\006F0701.D
Injection Date : 12/6/2018 5:06:50 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:15:47 AM Vial No. : 6
Eq. Method : CONF18C.M Sample Amt. : 2.5397
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	7.568	2,2,4,4,5,5-HEXACHLOROBIPHENYL	756.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.984	DECACHLOROBIPHENYL	30516.1

Comments: _____

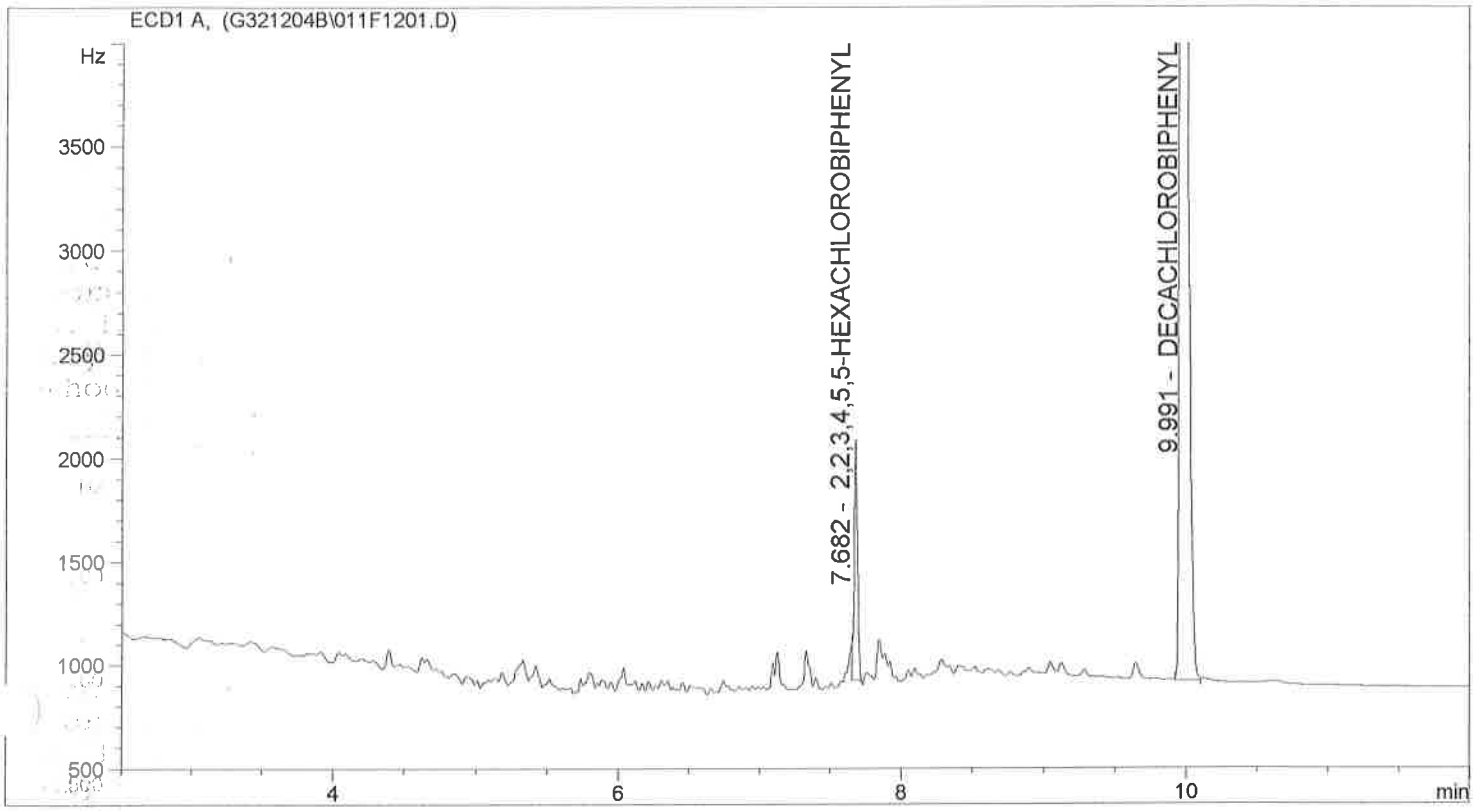
Sample Name : 2PCBS-768 G Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\007F0801.D
Injection Date : 12/6/2018 5:21:56 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:16:31 AM Vial No. : 7
q. Method : CONF18C.M Sample Amt. : 2.5566
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	7.569	2,2,4,4,5,5-HEXACHLOROBIPHENYL	773.4
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.985	DECACHLOROBIPHENYL	30986.5

Comments: _____

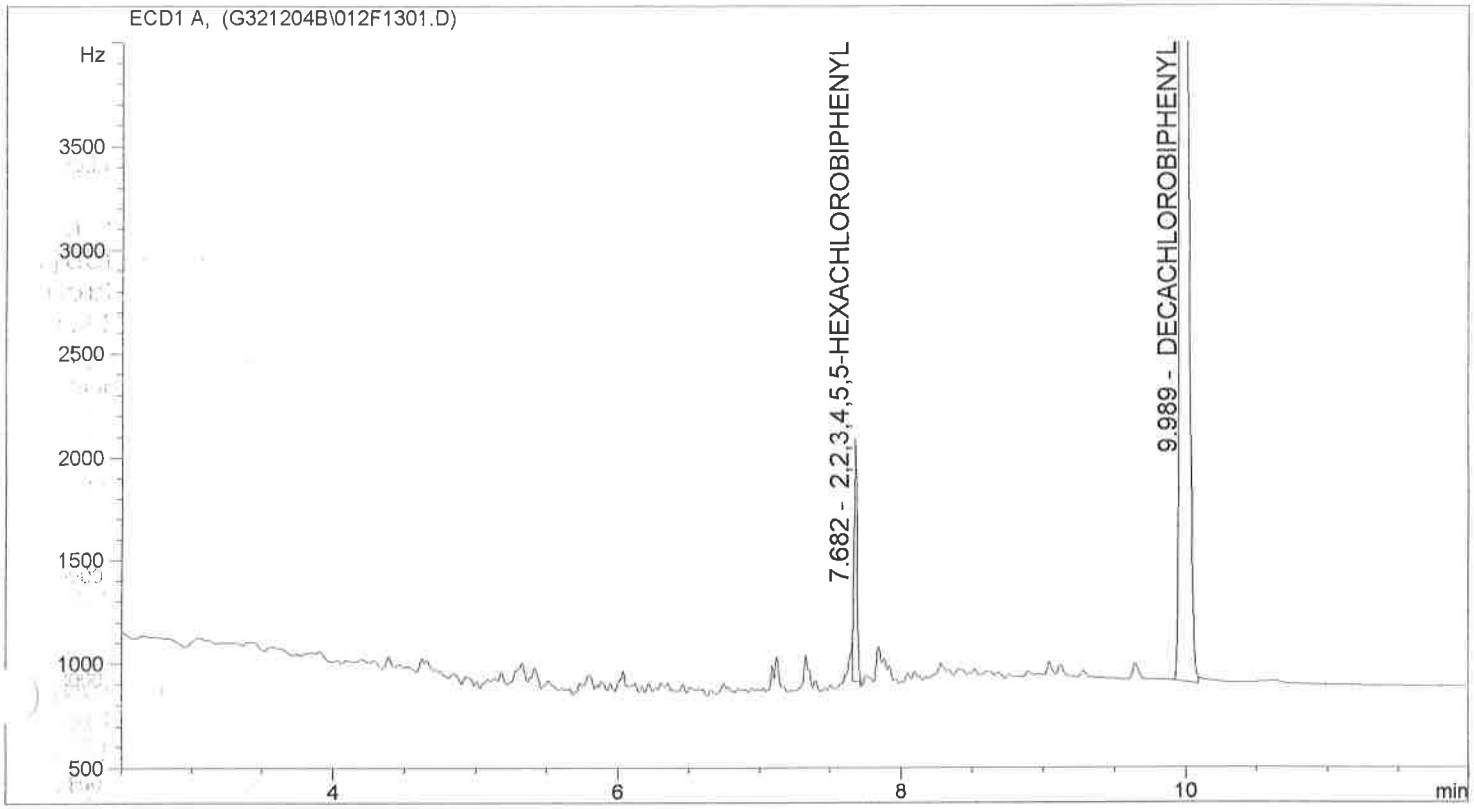
Sample Name : 2PCBS-766 A Inst. GC #32F - Congener Analysis
DAY 1 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\011F1201.D
Injection Date : 12/4/2018 8:21:03 PM Analyst ID. : NK ML AH
Report Created : 12/10/2018 1:32:22 PM Vial No. : 11
q. Method : CONF18C.M Sample Amt. : 2.5302
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	7.682	2,2,3,4,5,5-HEXACHLOROBIPHENYL	1790.8
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.991	DECACHLOROBIPHENYL	31158.4

Comments: _____

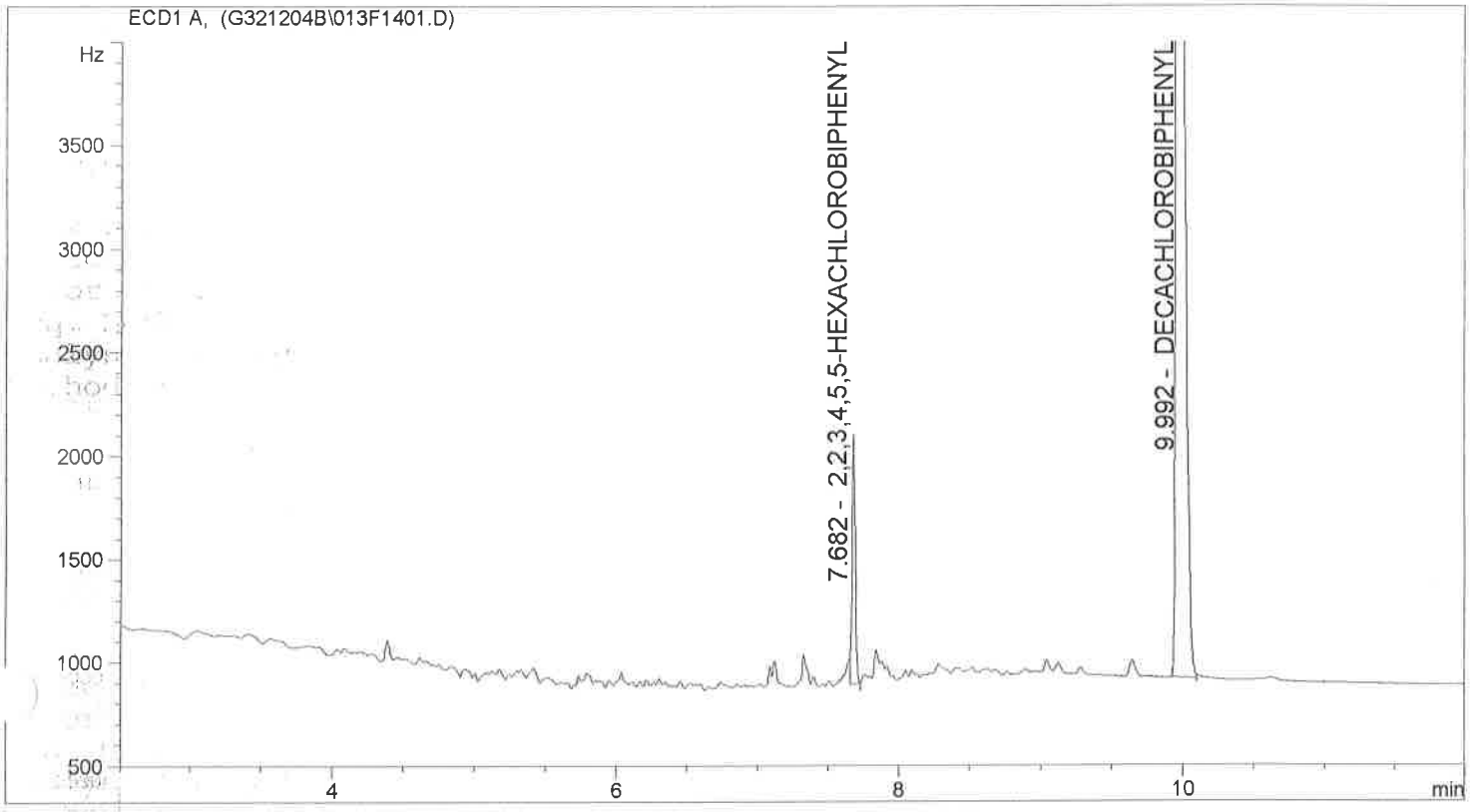
Sample Name : 2PCBS-766 B Inst. GC #32F - Congener Analysis
DAY 1 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\012F1301.D
Injection Date : 12/4/2018 8:36:17 PM Analyst ID. : NK ML AH
Report Created : 12/10/2018 1:41:01 PM Vial No. : 12
Inj. Method : CONF18C.M Sample Amt. : 2.5577
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	7.682	2,2,3,4,5,5-HEXACHLOROBIPHENYL	1671.6
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.989	DECACHLOROBIPHENYL	30806.4

Comments: _____

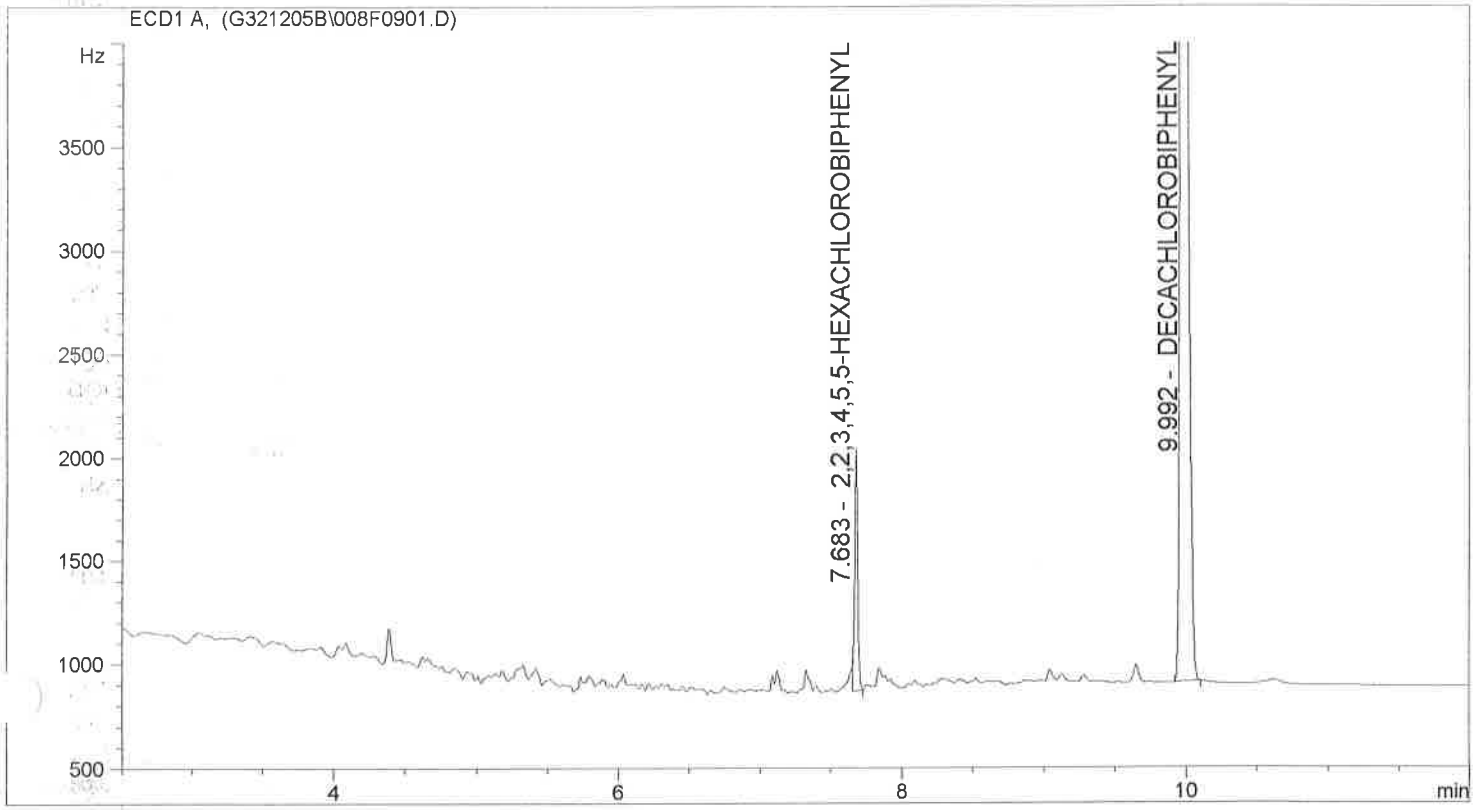
Sample Name : 2PCBS-766 C Inst. GC #32F - Congener Analysis
DAY 1 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\013F1401.D
Injection Date : 12/4/2018 8:51:31 PM Analyst ID. : NK ML AH
Report Created : 12/10/2018 1:45:35 PM Vial No. : 13
Inj. Method : CONF18C.M Sample Amt. : 2.5409
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	7.682	2,2,3,4,5,5-HEXACHLOROBIPHENYL	1800.5
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.992	DECACHLOROBIPHENYL	31684.9

Comments: _____

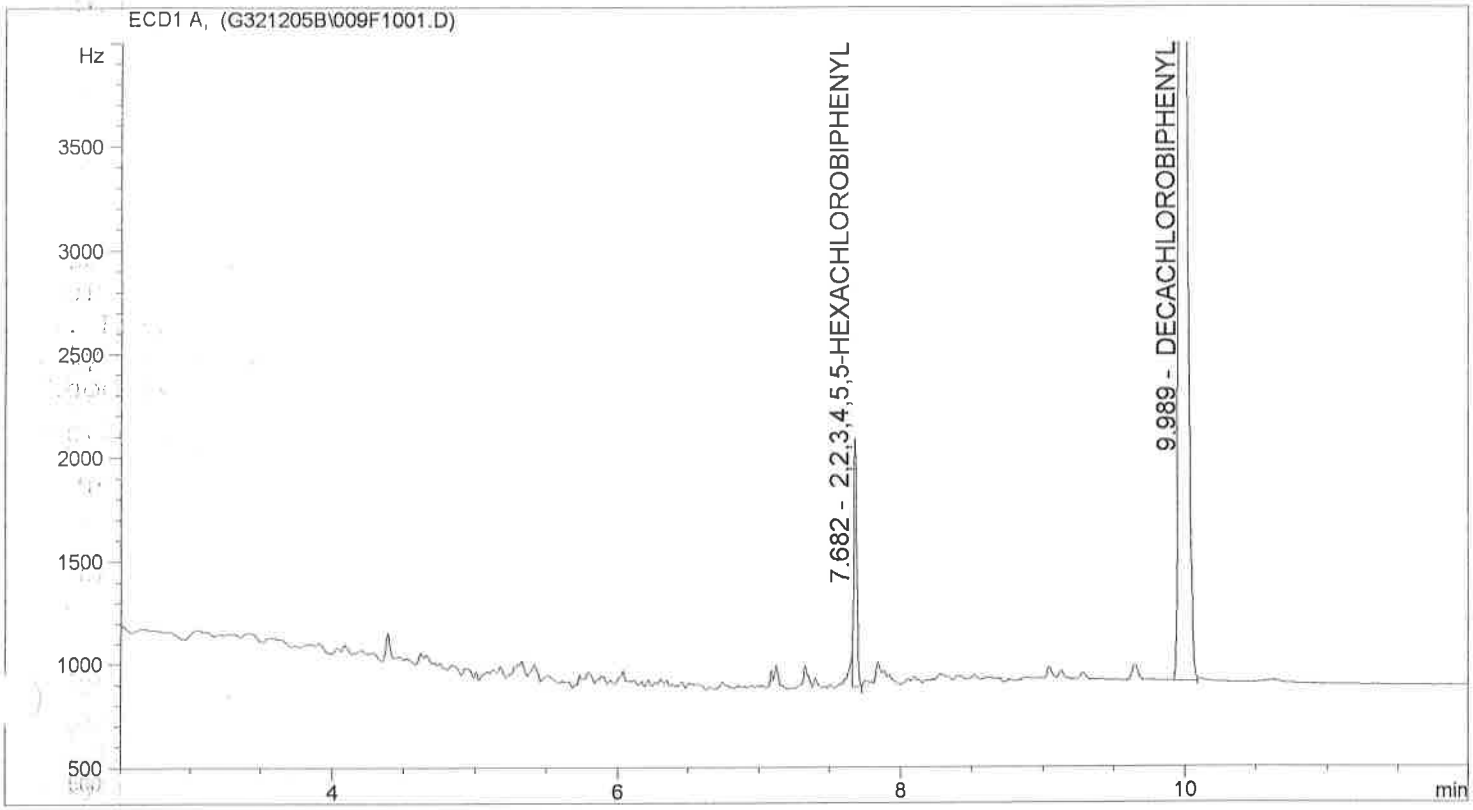
Sample Name : 2PCBS-766 D Inst. GC #32F - Congener Analysis
DAY 2 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\008F0901.D
Injection Date : 12/5/2018 5:58:40 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:12:44 PM Vial No. : 8
Seq. Method : CONF18C.M Sample Amt. : 2.5510
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	7.683	2,2,3,4,5,5-HEXACHLOROBIPHENYL	1722.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.992	DECACHLOROBIPHENYL	31309.1

Comments: _____

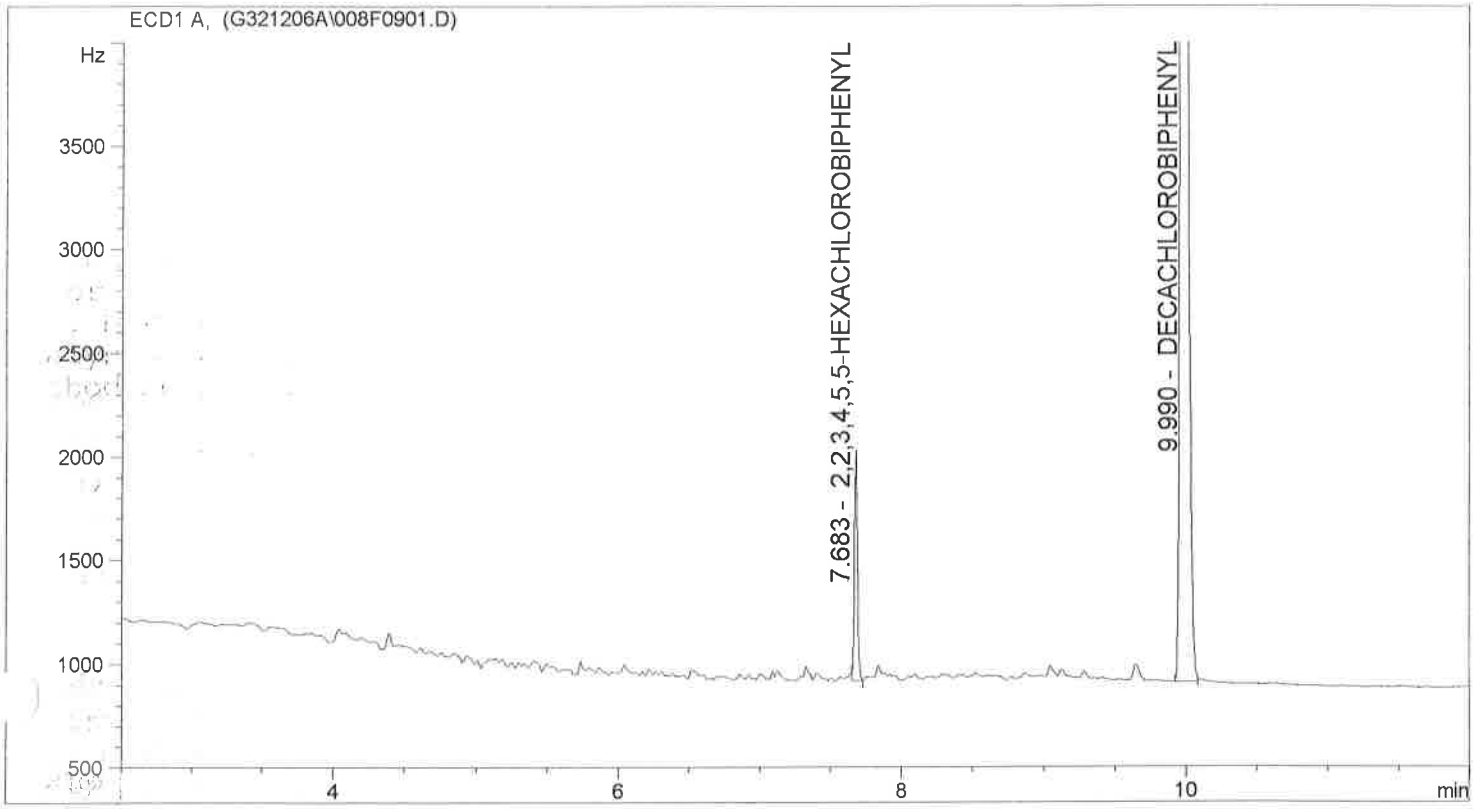
Sample Name : 2PCBS-766 E Inst. GC #32F - Congener Analysis
DAY 2 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\009F1001.D
Injection Date : 12/5/2018 6:13:57 PM Analyst ID. : NK ML AH
Report Created : 12/10/2018 1:47:36 PM Vial No. : 9
Inj. Method : CONF18C.M Sample Amt. : 2.5614
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	7.682	2,2,3,4,5,5-HEXACHLOROBIPHENYL	1736.9
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.989	DECACHLOROBIPHENYL	30786.4

Comments: _____

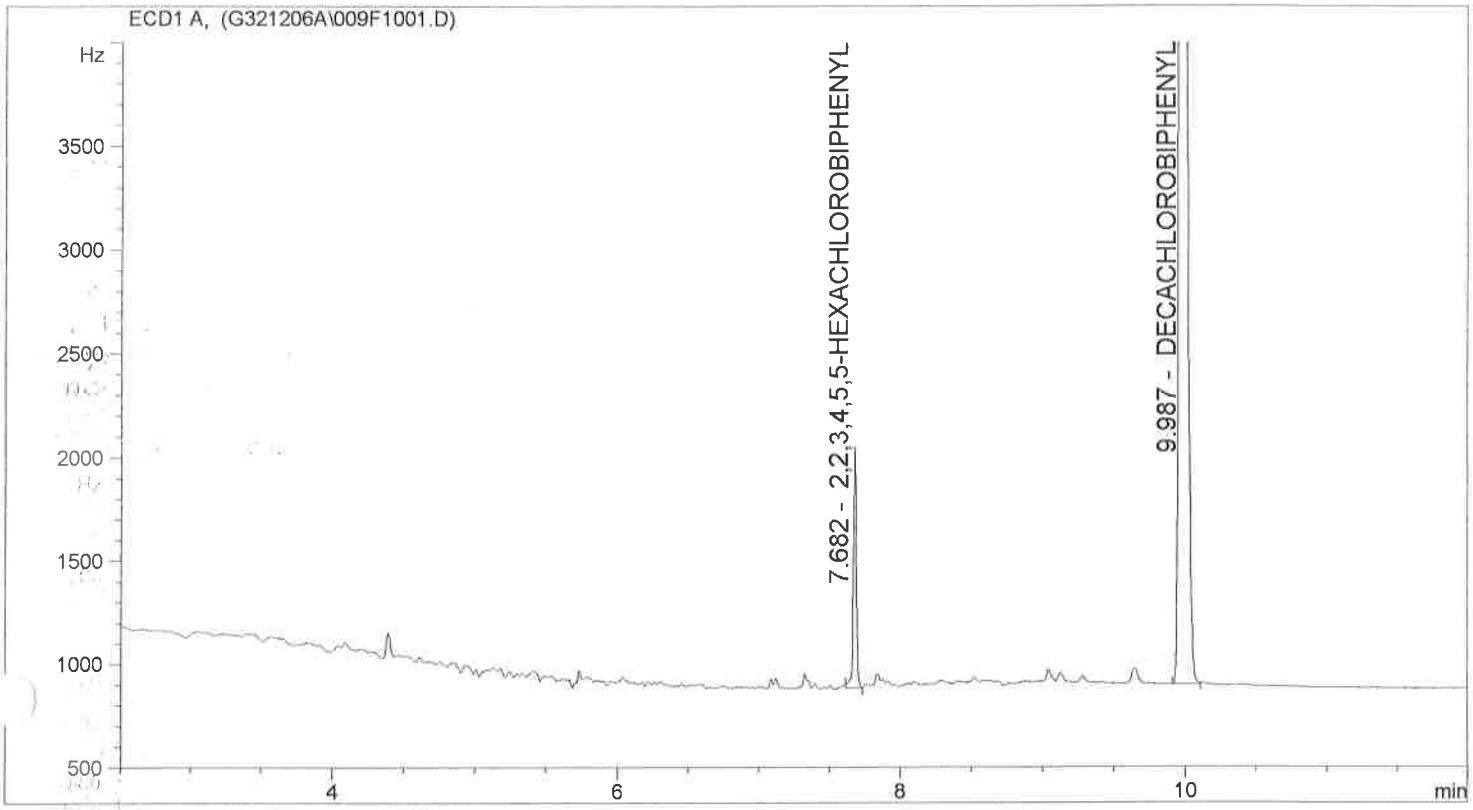
Sample Name : 2PCBS-766 F Inst. GC #32F - Congener Analysis
DAY 2 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\008F0901.D
Injection Date : 12/6/2018 5:37:03 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:17:22 AM Vial No. : 8
Seq. Method : CONF18C.M Sample Amt. : 2.5567
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	7.683	2,2,3,4,5,5-HEXACHLOROBIPHENYL	1615.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.990	DECACHLOROBIPHENYL	30539.3

Comments: _____

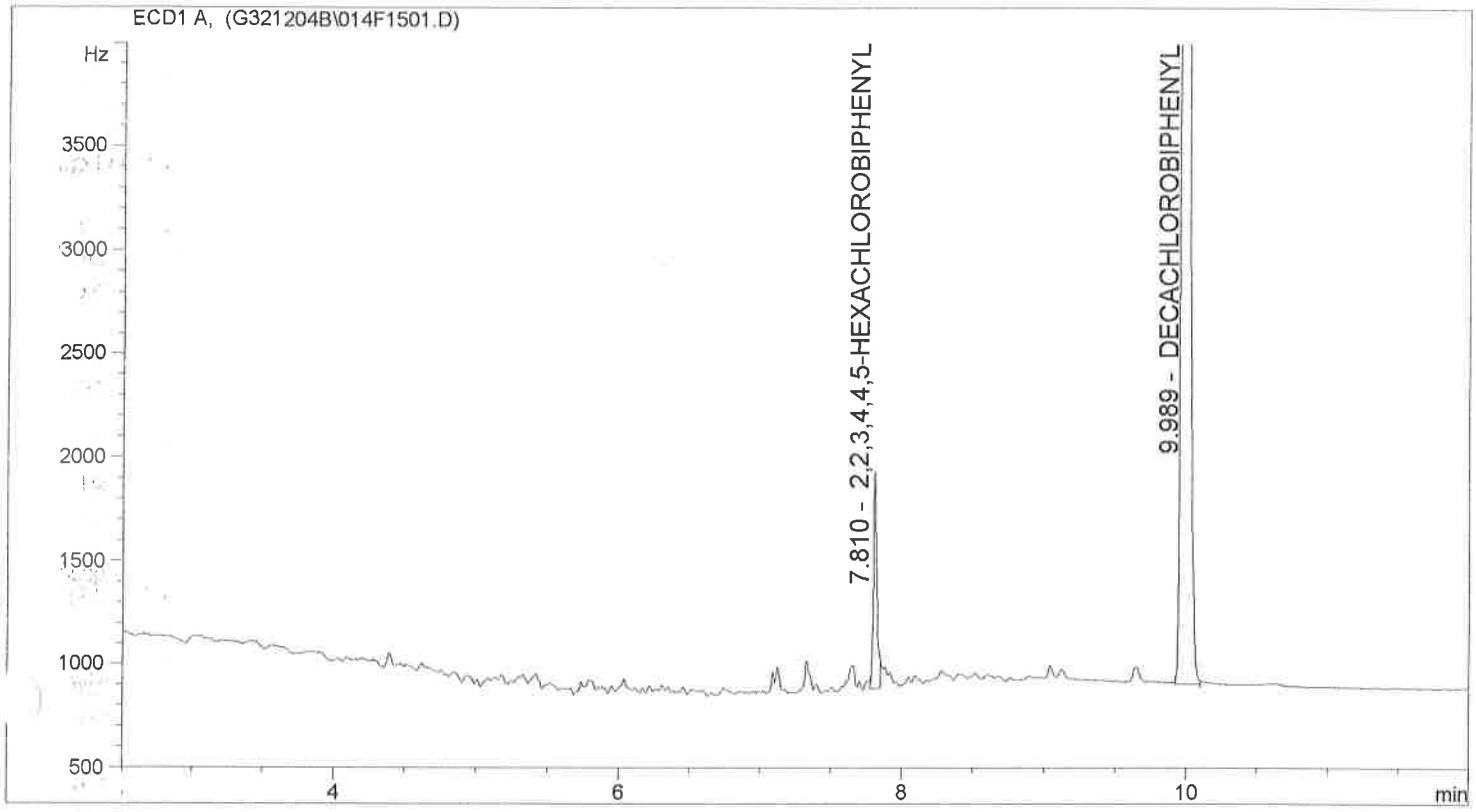
Sample Name : 2PCBS-766 G Inst. GC #32F - Congener Analysis
DAY 2 0.024PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\009F1001.D
Injection Date : 12/6/2018 5:52:07 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:18:23 AM Vial No. : 9
Seq. Method : CONF18C.M Sample Amt. : 2.5585
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	7.682	2,2,3,4,5,5-HEXACHLOROBIPHENYL	1713.3
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.987	DECACHLOROBIPHENYL	30692.2

Comments: _____

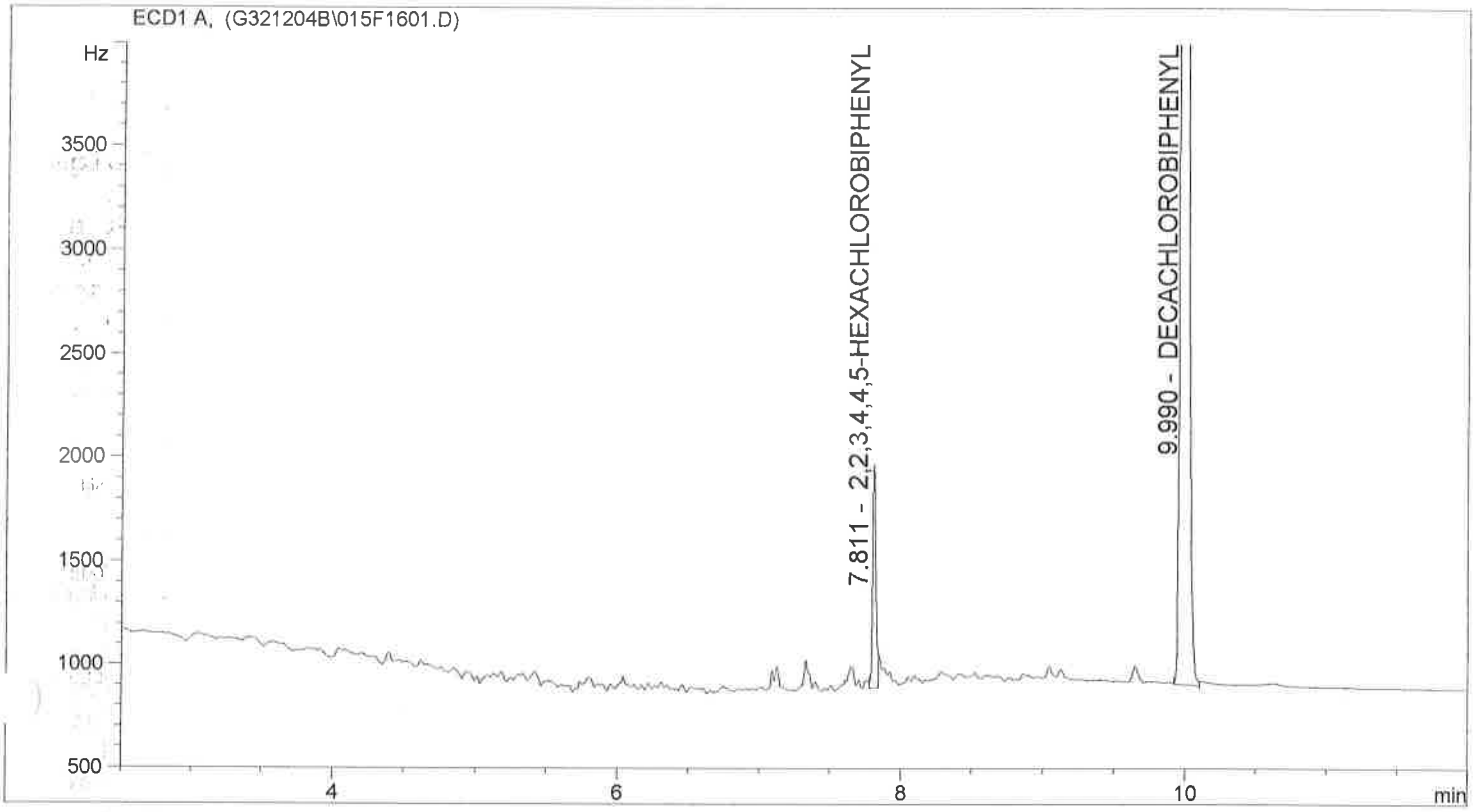
Sample Name : 2PCBS-765 A Inst. GC #32F - Congener Analysis
DAY 1 0.028 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\014F1501.D
Injection Date : 12/4/2018 9:06:35 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 2:02:10 PM Vial No. : 14
Eq. Method : CONF18C.M Sample Amt. : 2.5687
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	7.810	2,2,3,4,4,5-HEXACHLOROBIPHENYL	1795.7
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.989	DECACHLOROBIPHENYL	30698.5

Comments: _____

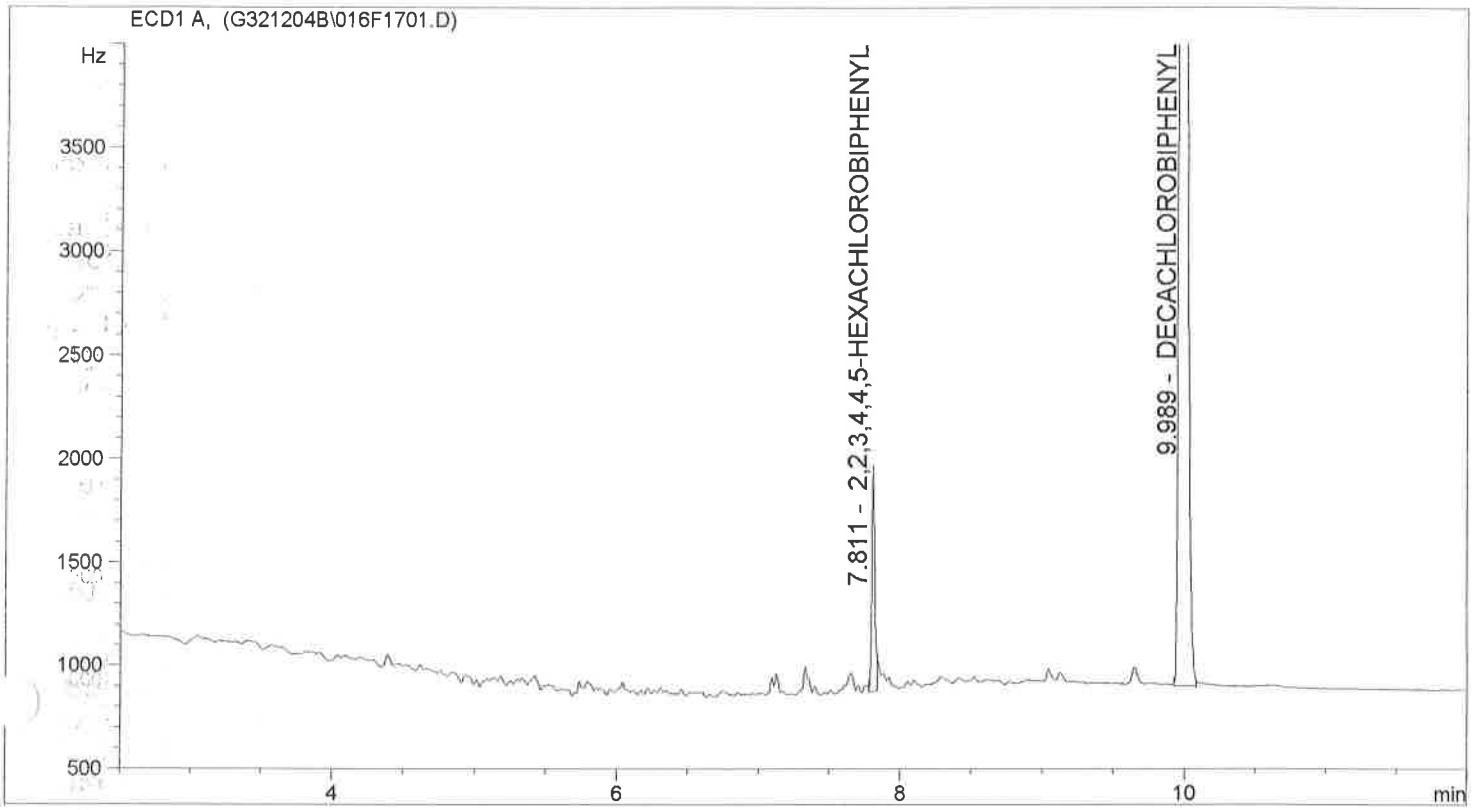
Sample Name : 2PCBS-765 B Inst. GC #32F - Congener Analysis
DAY 1 0.028 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\015F1601.D
Injection Date : 12/4/2018 9:21:41 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 2:02:54 PM Vial No. : 15
Inj. Method : CONF18C.M Sample Amt. : 2.5429
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	7.811	2,2,3,4,4,5-HEXACHLOROBIPHENYL	1705.4
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.990	DECACHLOROBIPHENYL	29922.5

Comments: _____

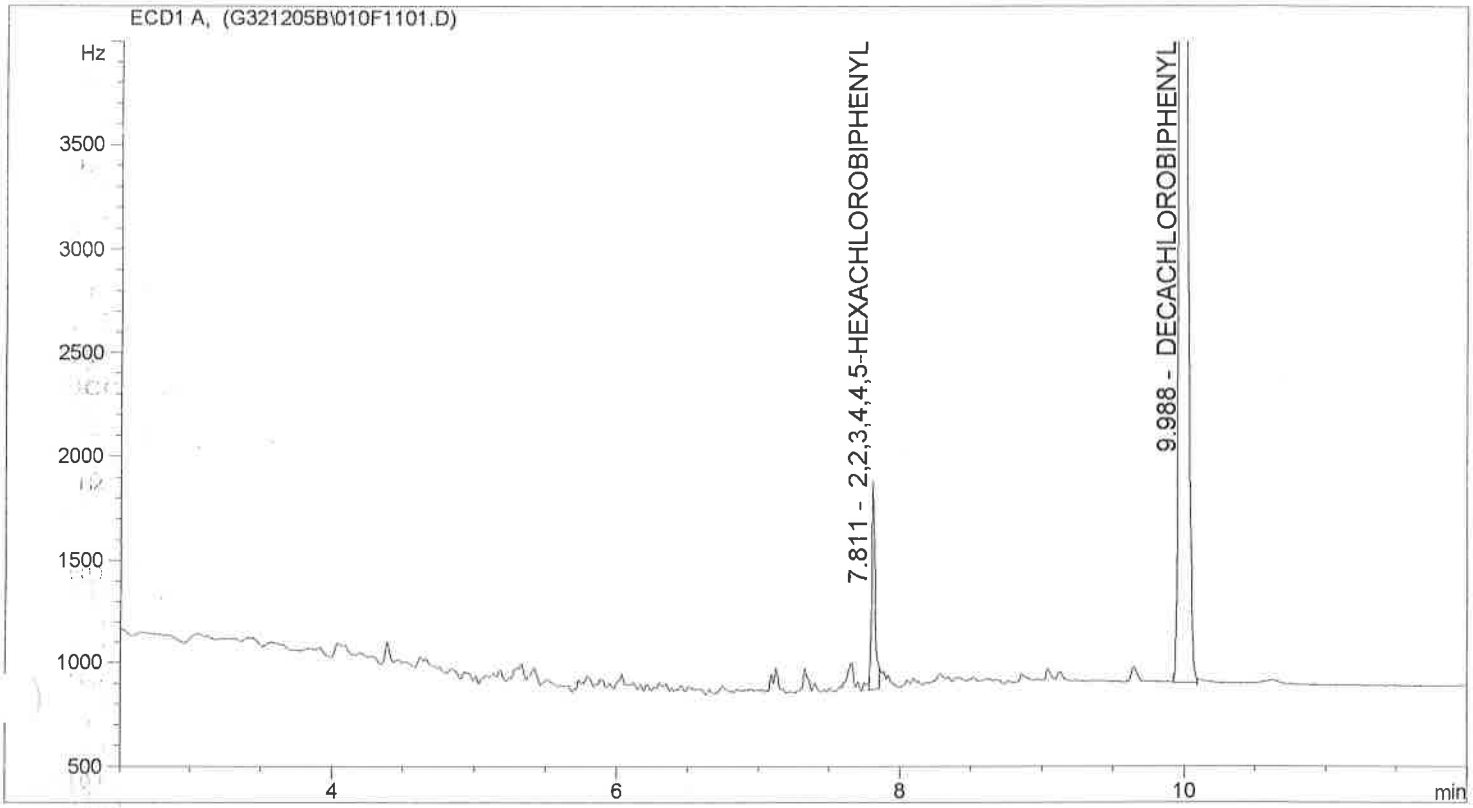
Sample Name : 2PCBS-765 C Inst. GC #32F - Congener Analysis
DAY 1 0.028 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\016F1701.D
Injection Date : 12/4/2018 9:36:56 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 2:03:56 PM Vial No. : 16
Eq. Method : CONF18C.M Sample Amt. : 2.5499
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	7.811	2,2,3,4,4,5-HEXACHLOROBIPHENYL	1670.2
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.989	DECACHLOROBIPHENYL	30096.2

Comments: _____

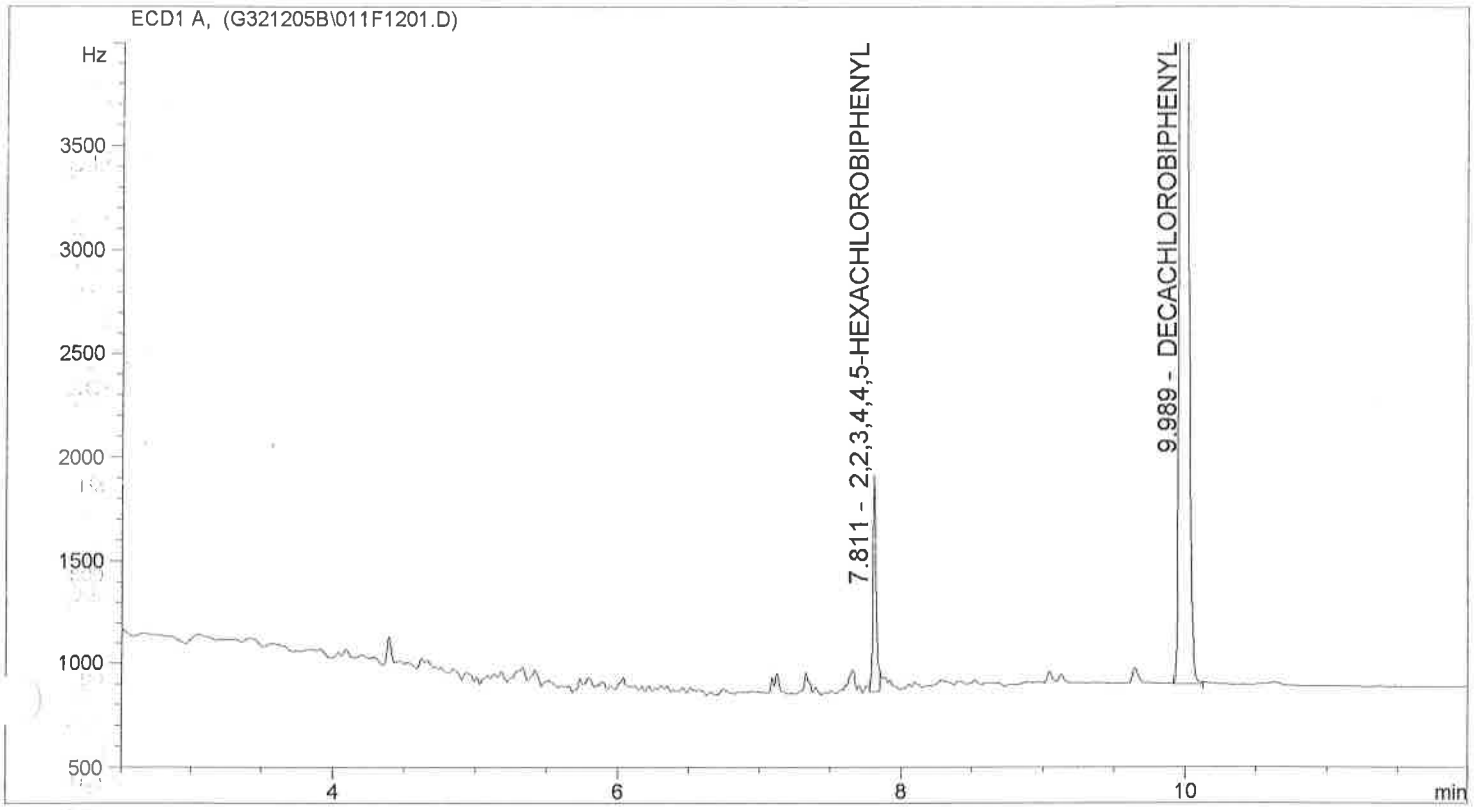
Sample Name : 2PCBS-765 D Inst. GC #32F - Congener Analysis
DAY 2 0.028 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\010F1101.D
Injection Date : 12/5/2018 6:29:03 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:14:59 PM Vial No. : 10
Meq. Method : CONF18C.M Sample Amt. : 2.5432
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	7.811	2,2,3,4,4,5-HEXACHLOROBIPHENYL	1690.8
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.988	DECACHLOROBIPHENYL	29837.1

Comments: _____

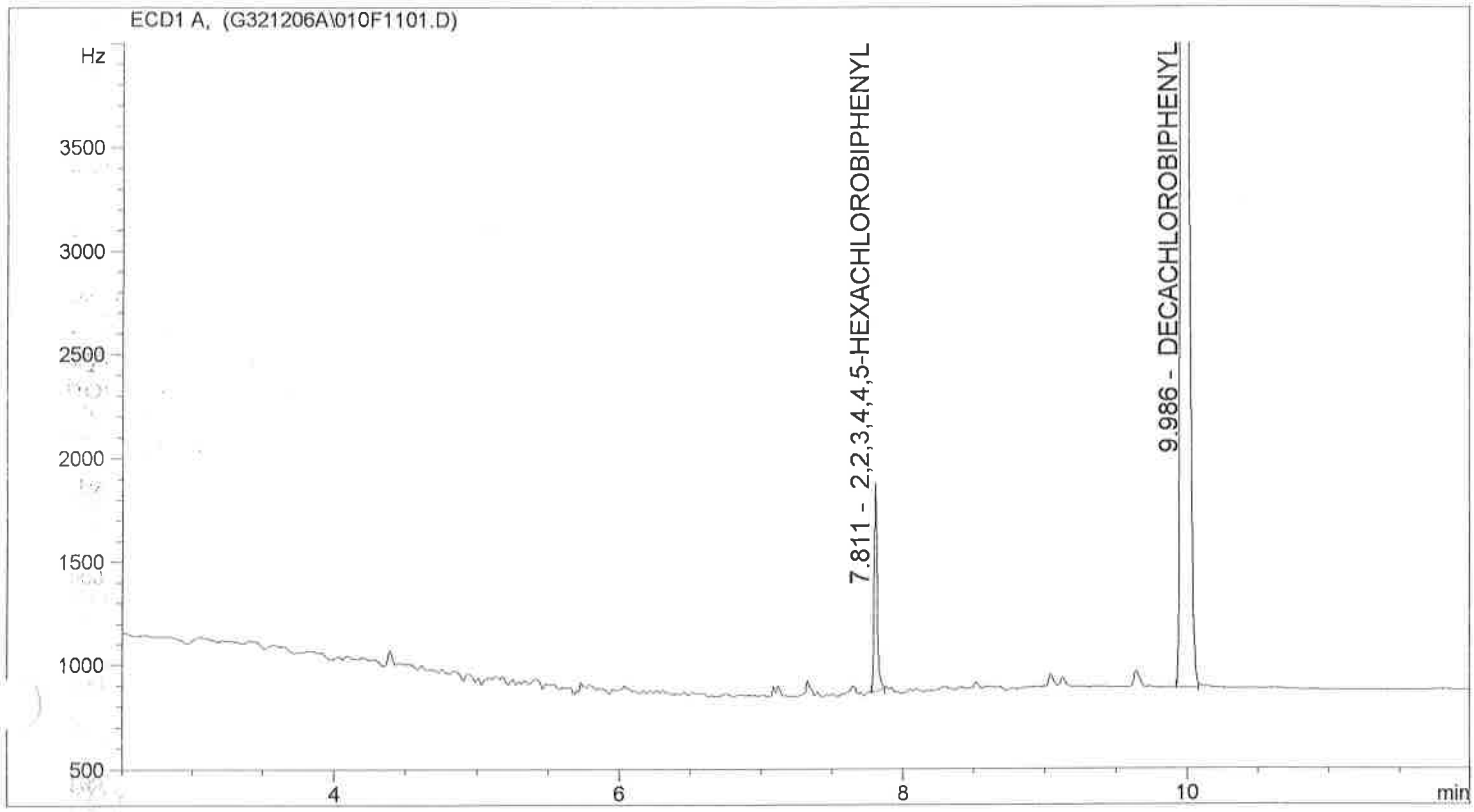
Sample Name : 2PCBS-765 E Inst. GC #32F - Congener Analysis
DAY 2 0.028 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\011F1201.D
Injection Date : 12/5/2018 6:44:08 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:16:01 PM Vial No. : 11
Inj. Method : CONF18C.M Sample Amt. : 2.5326
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	7.811	2,2,3,4,4,5-HEXACHLOROBIPHENYL	1676.8
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.989	DECACHLOROBIPHENYL	29432.0

Comments: _____

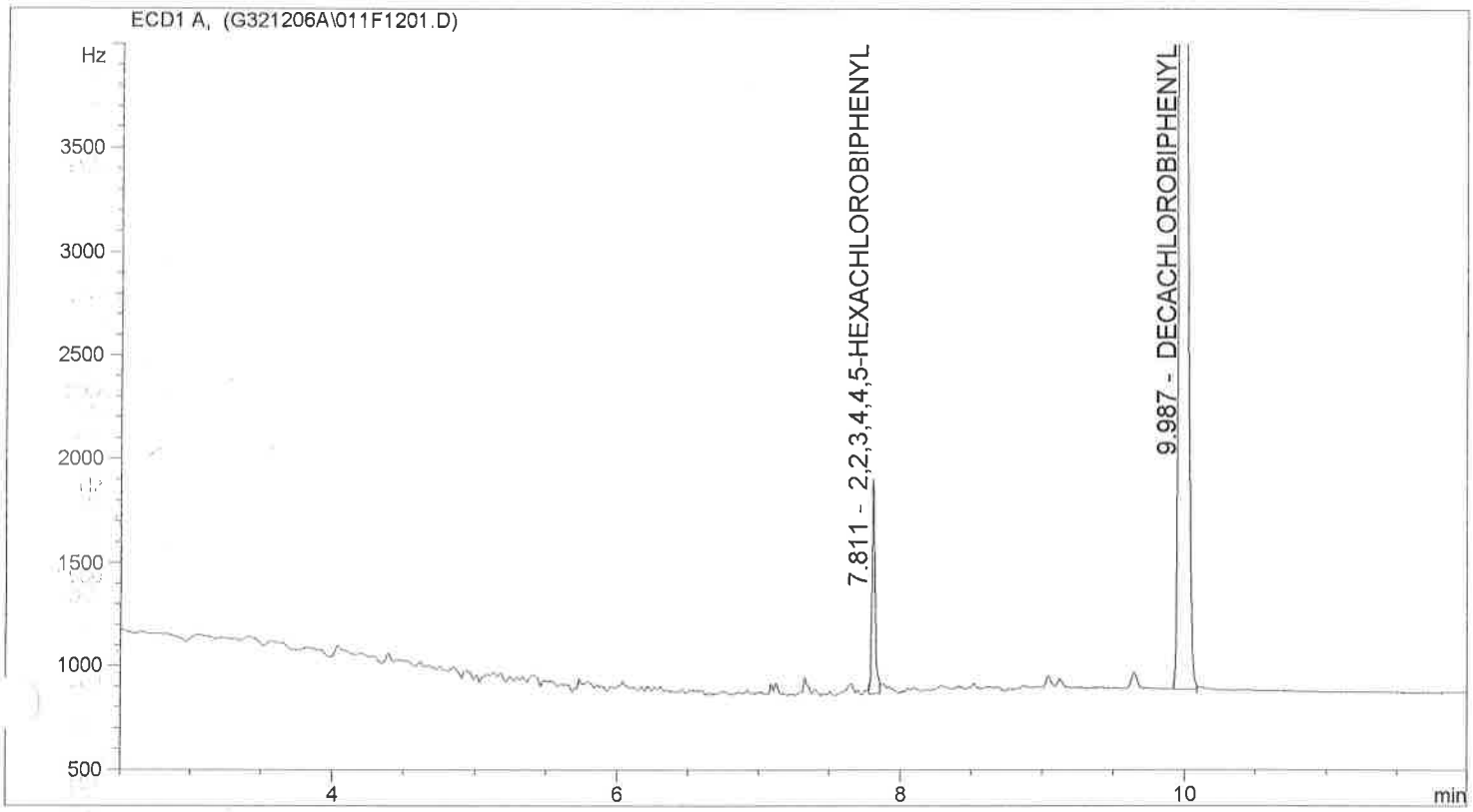
Sample Name : 2PCBS-765 F Inst. GC #32F - Congener Analysis
DAY 2 0.028 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\010F1101.D
Injection Date : 12/6/2018 6:07:22 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:19:31 AM Vial No. : 10
q. Method : CONF18C.M Sample Amt. : 2.5363
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	7.811	2,2,3,4,4,5-HEXACHLOROBIPHENYL	1510.8
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.986	DECACHLOROBIPHENYL	30507.7

Comments: _____

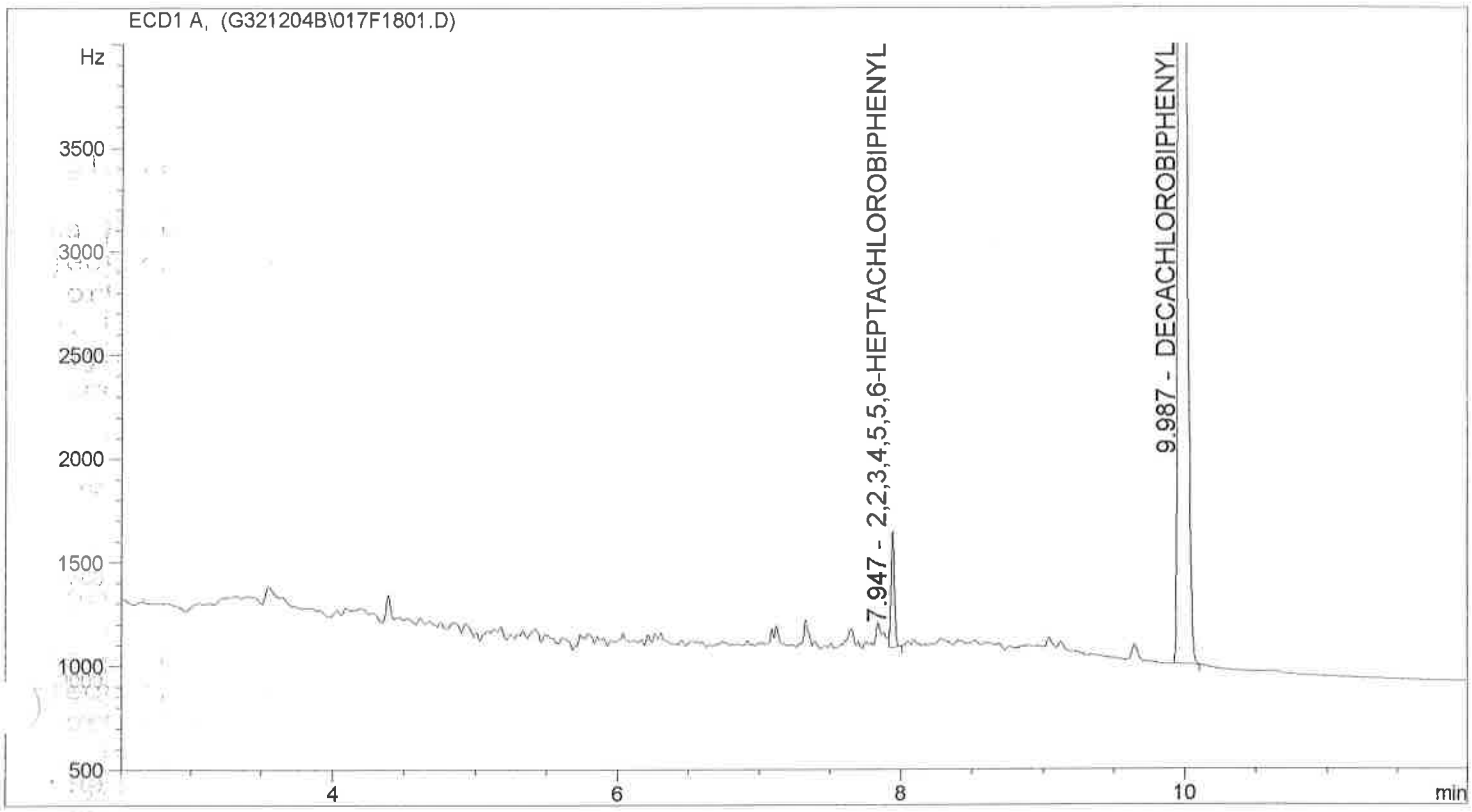
Sample Name : 2PCBS-765 G Inst. GC #32F - Congener Analysis
DAY 2 0.028 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\011F1201.D
Injection Date : 12/6/2018 6:22:24 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:20:30 AM Vial No. : 11
Seq. Method : CONF18C.M Sample Amt. : 2.5588
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	7.811	2,2,3,4,4,5-HEXACHLOROBIPHENYL	1617.9
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.987	DECACHLOROBIPHENYL	30358.2

Comments: _____

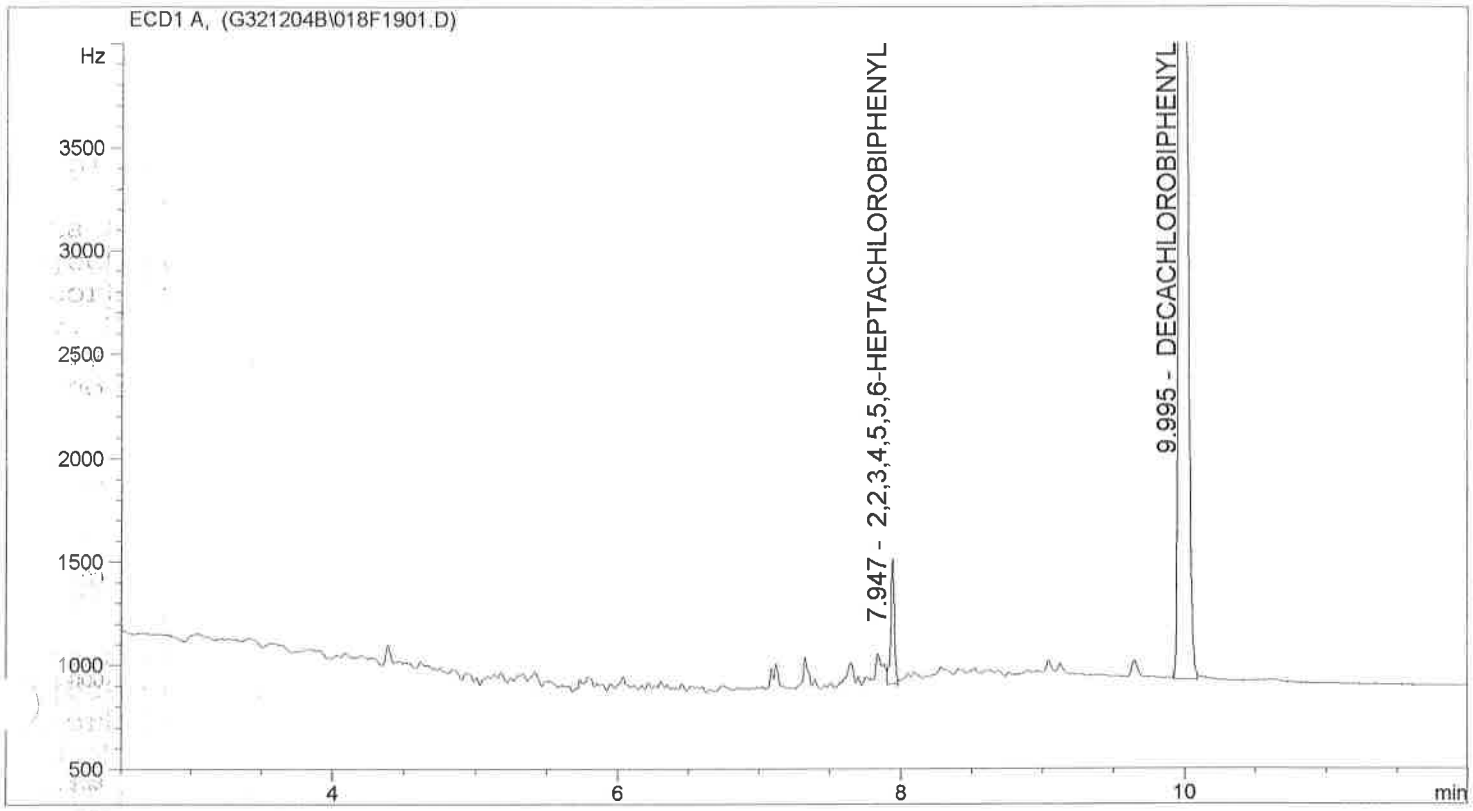
Sample Name : 2PCBS-772 A Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\017F1801.D
Injection Date : 12/4/2018 9:52:01 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 2:04:55 PM Vial No. : 17
q. Method : CONF18C.M Sample Amt. : 2.5627
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	7.947	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	884.6
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.987	DECACHLOROBIPHENYL	30305.0

Comments: _____

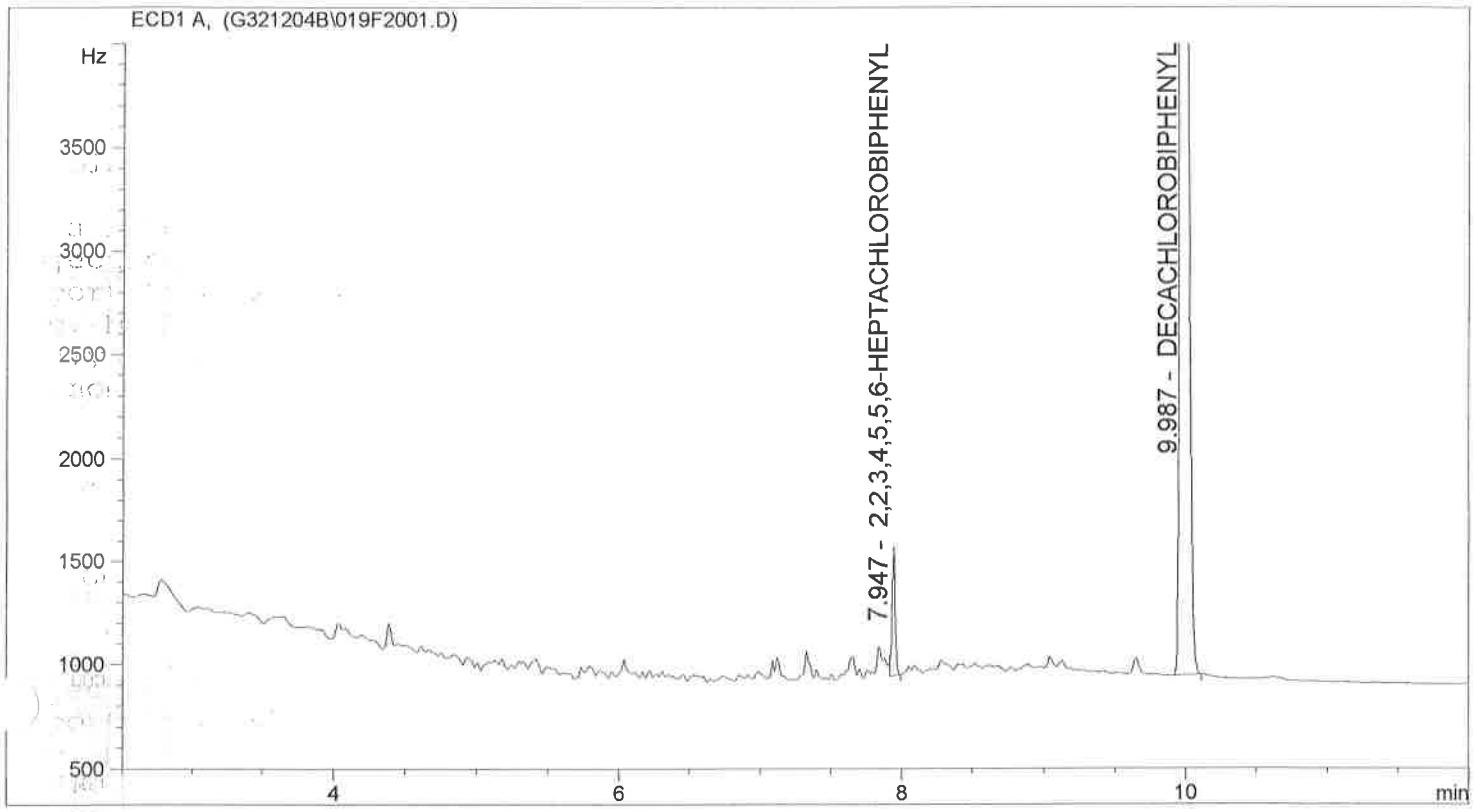
Sample Name : 2PCBS-772 B Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\018F1901.D
Injection Date : 12/4/2018 10:07:15 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 2:06:19 PM Vial No. : 18
Meq. Method : CONF18C.M Sample Amt. : 2.5638
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	7.947	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	1053.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.995	DECACHLOROBIPHENYL	30914.1

Comments: _____

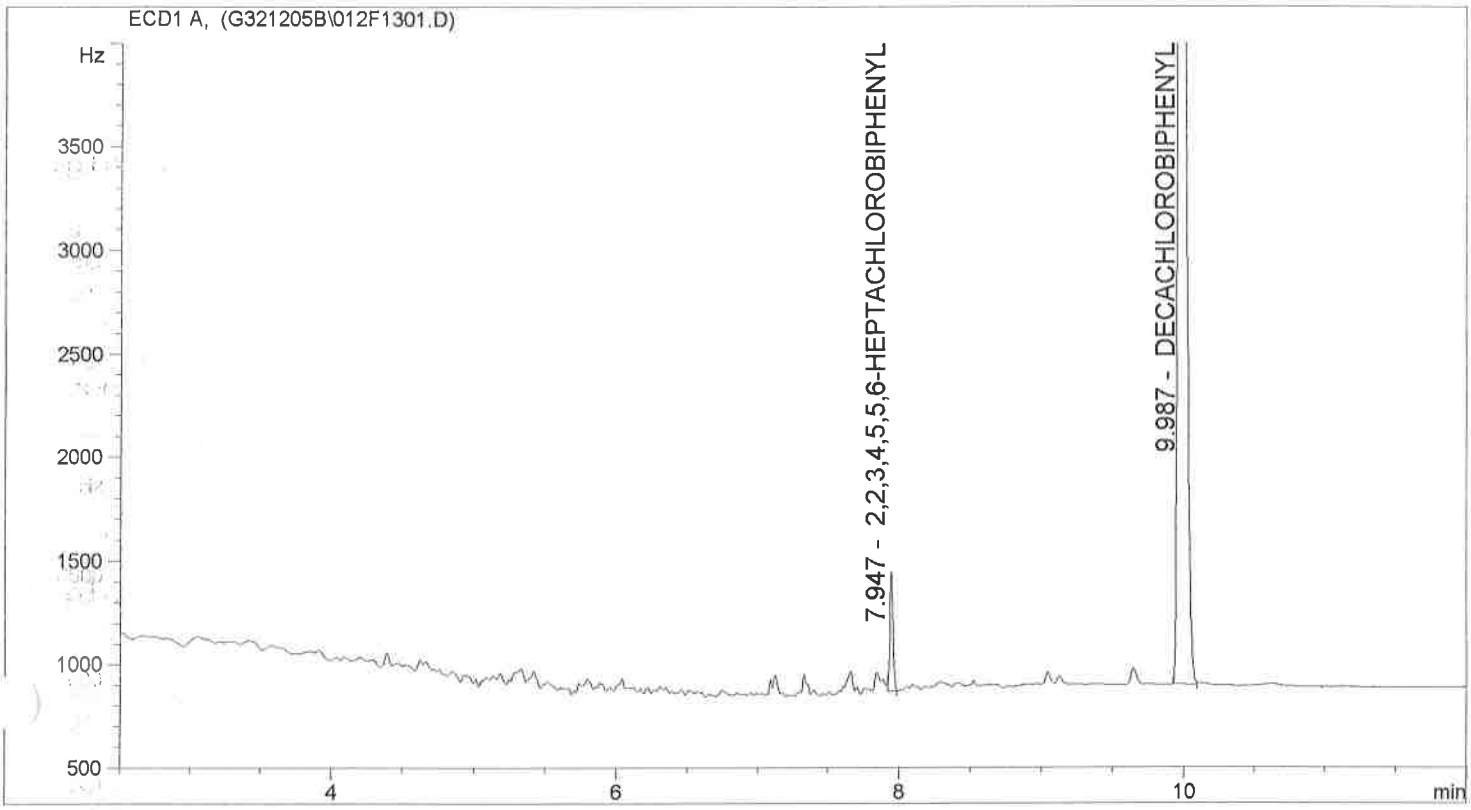
Sample Name : 2PCBS-772 C Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321204B\019F2001.D
Injection Date : 12/4/2018 10:22:28 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 2:06:55 PM Vial No. : 19
q. Method : CONF18C.M Sample Amt. : 2.5454
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	7.947	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	979.7
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.987	DECACHLOROBIPHENYL	30592.4

Comments: _____

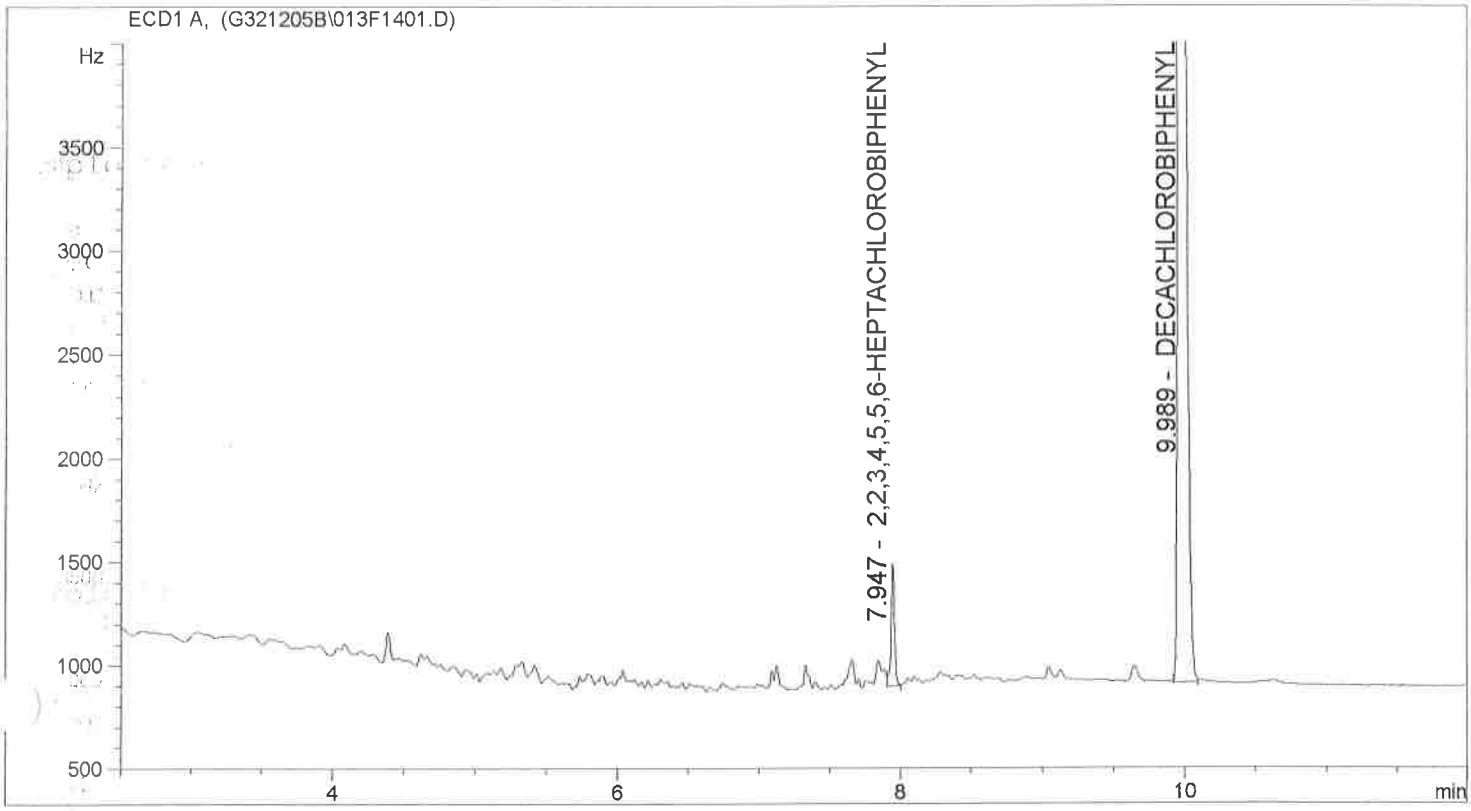
Sample Name : 2PCBS-772 D Inst. GC #32F - Congener Analysis
DAY 2 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\012F1301.D
Injection Date : 12/5/2018 6:59:13 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:17:13 PM Vial No. : 12
Acq. Method : CONF18C.M Sample Amt. : 2.5494
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	7.947	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	900.7
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.987	DECACHLOROBIPHENYL	31481.6

Comments: _____

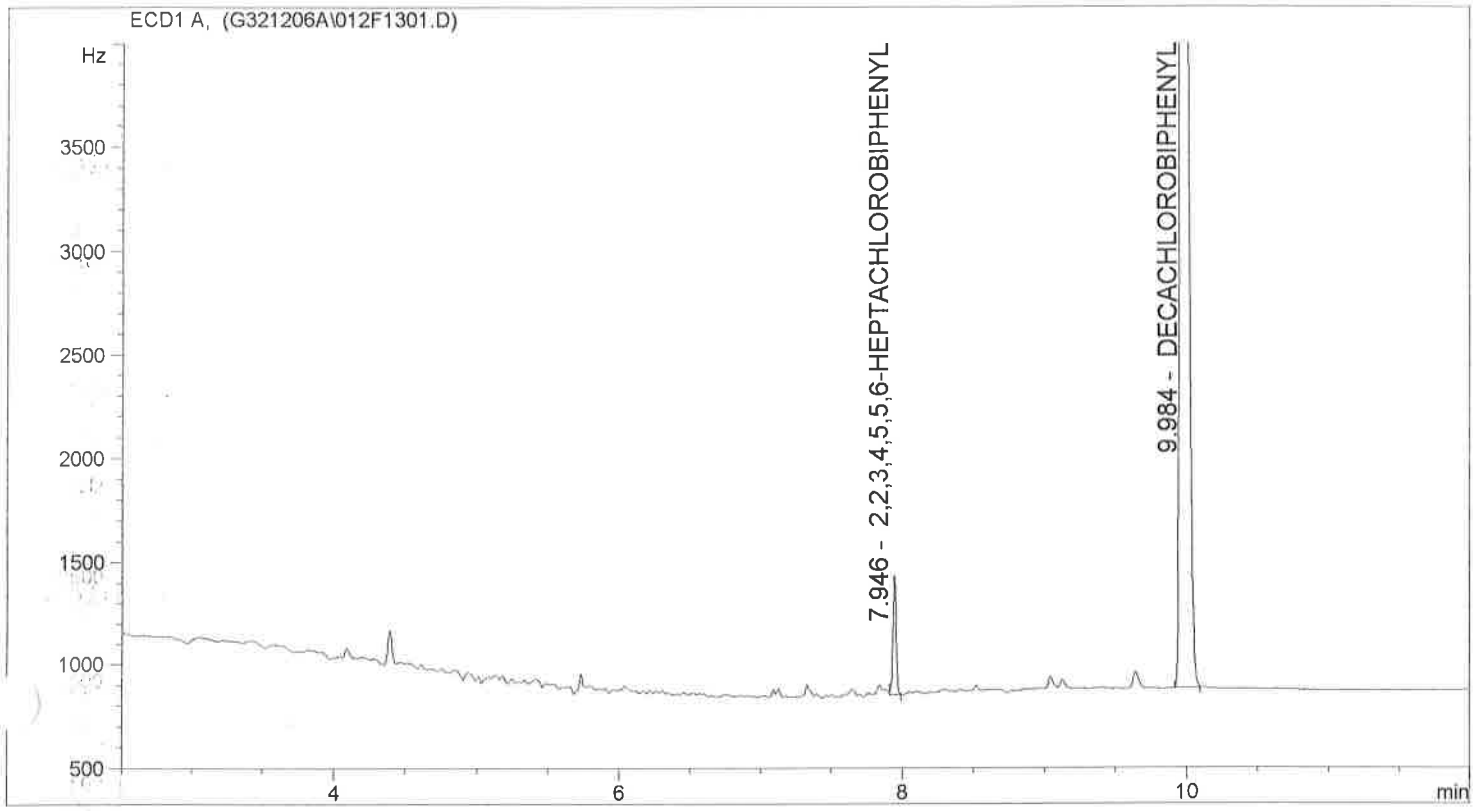
Sample Name : 2PCBS-772 E Inst. GC #32F - Congener Analysis
DAY 2 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\013F1401.D
Injection Date : 12/5/2018 7:14:19 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:18:15 PM Vial No. : 13
Eq. Method : CONF18C.M Sample Amt. : 2.5279
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	7.947	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	1009.5
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.989	DECACHLOROBIPHENYL	31924.1

Comments: _____

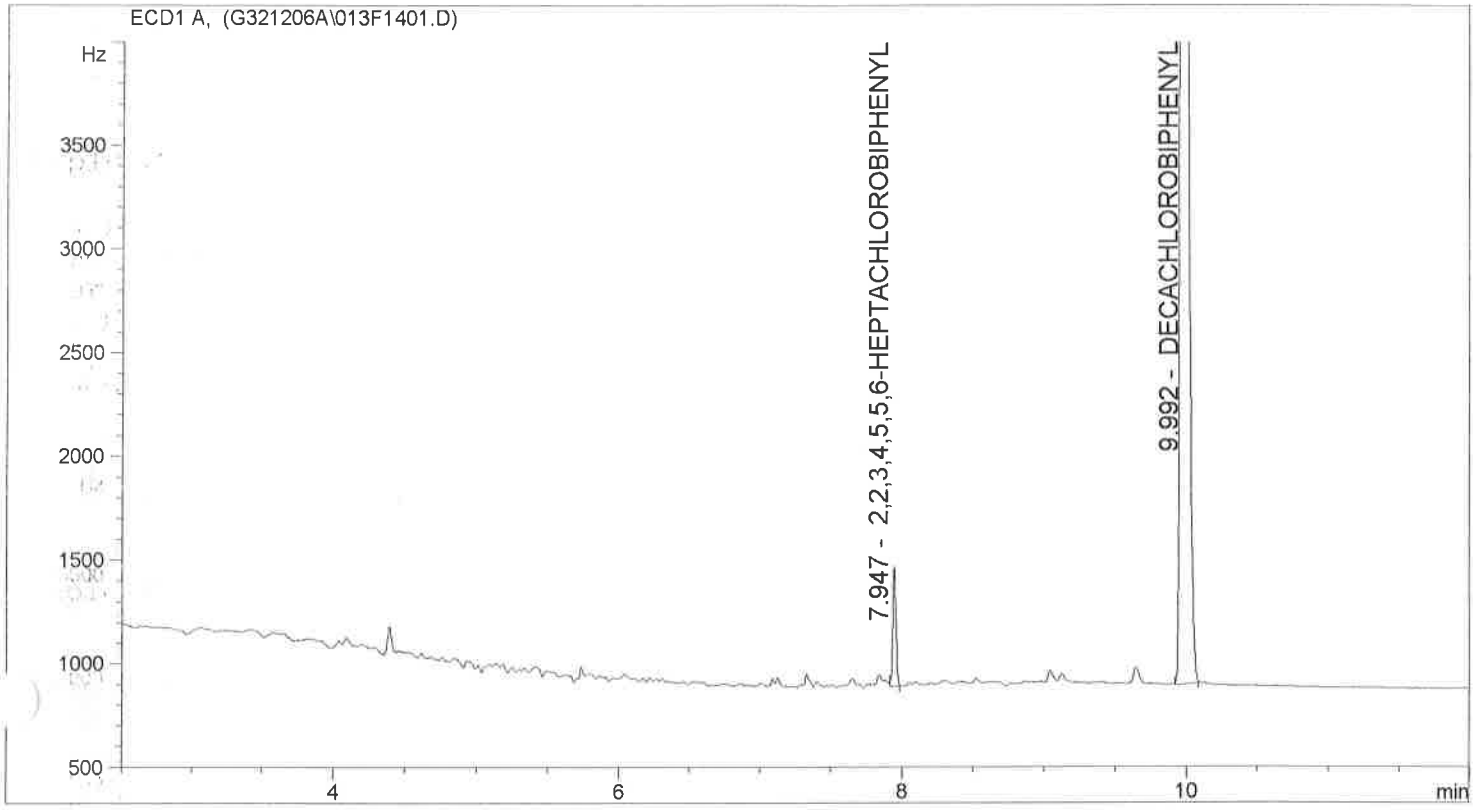
Sample Name : 2PCBS-772 F Inst. GC #32F - Congener Analysis
DAY 2 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\012F1301.D
Injection Date : 12/6/2018 6:37:40 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:21:14 AM Vial No. : 12
q. Method : CONF18C.M Sample Amt. : 2.5574
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	7.946	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	883.8
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.984	DECACHLOROBIPHENYL	30576.1

Comments: _____

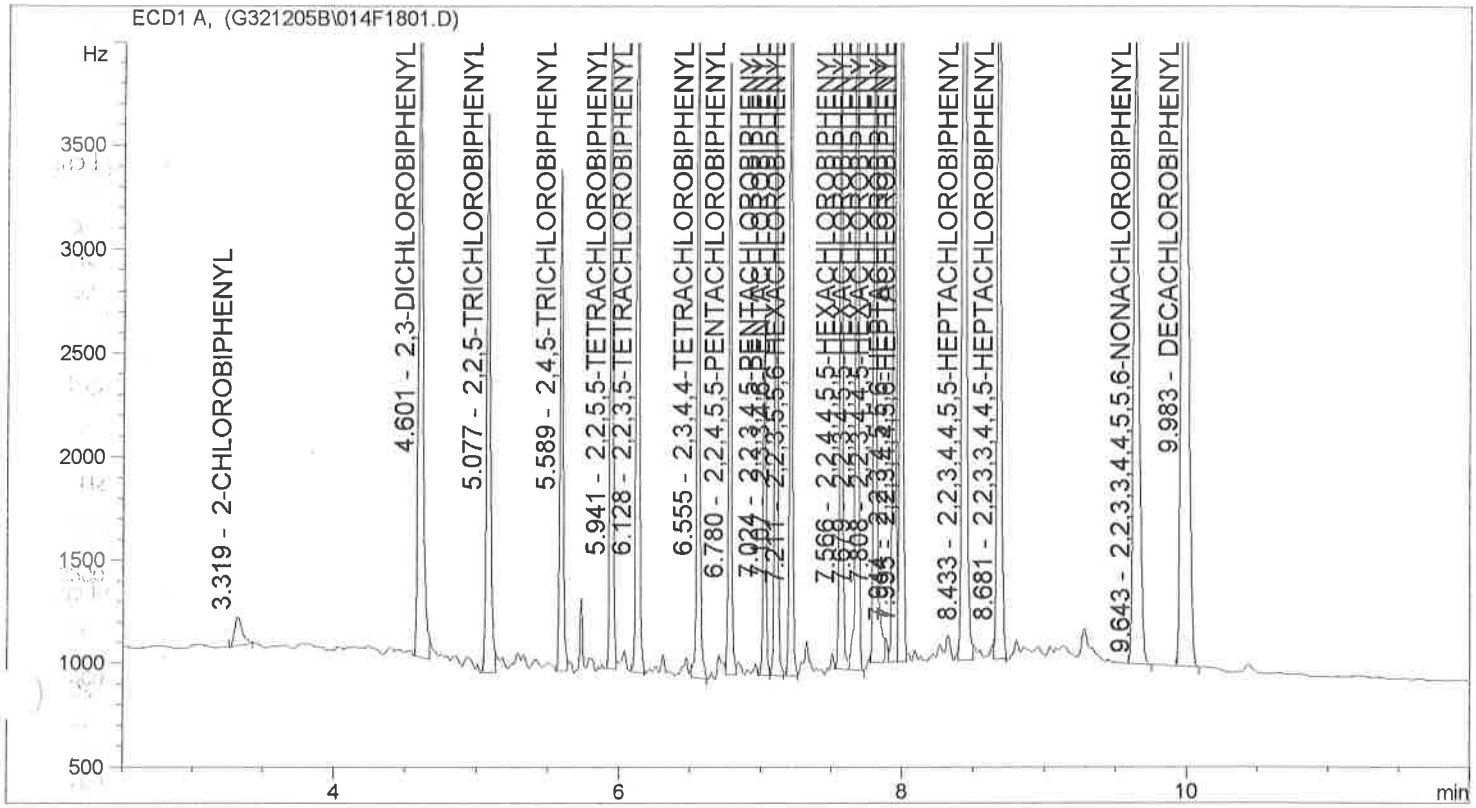
Sample Name : 2PCBS-772 G Inst. GC #32F - Congener Analysis
DAY 2 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\013F1401.D
Injection Date : 12/6/2018 6:52:45 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:21:59 AM Vial No. : 13
Inj. Method : CONF18C.M Sample Amt. : 2.5481
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	7.947	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	899.1
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.992	DECACHLOROBIPHENYL	30697.8

Comments: _____

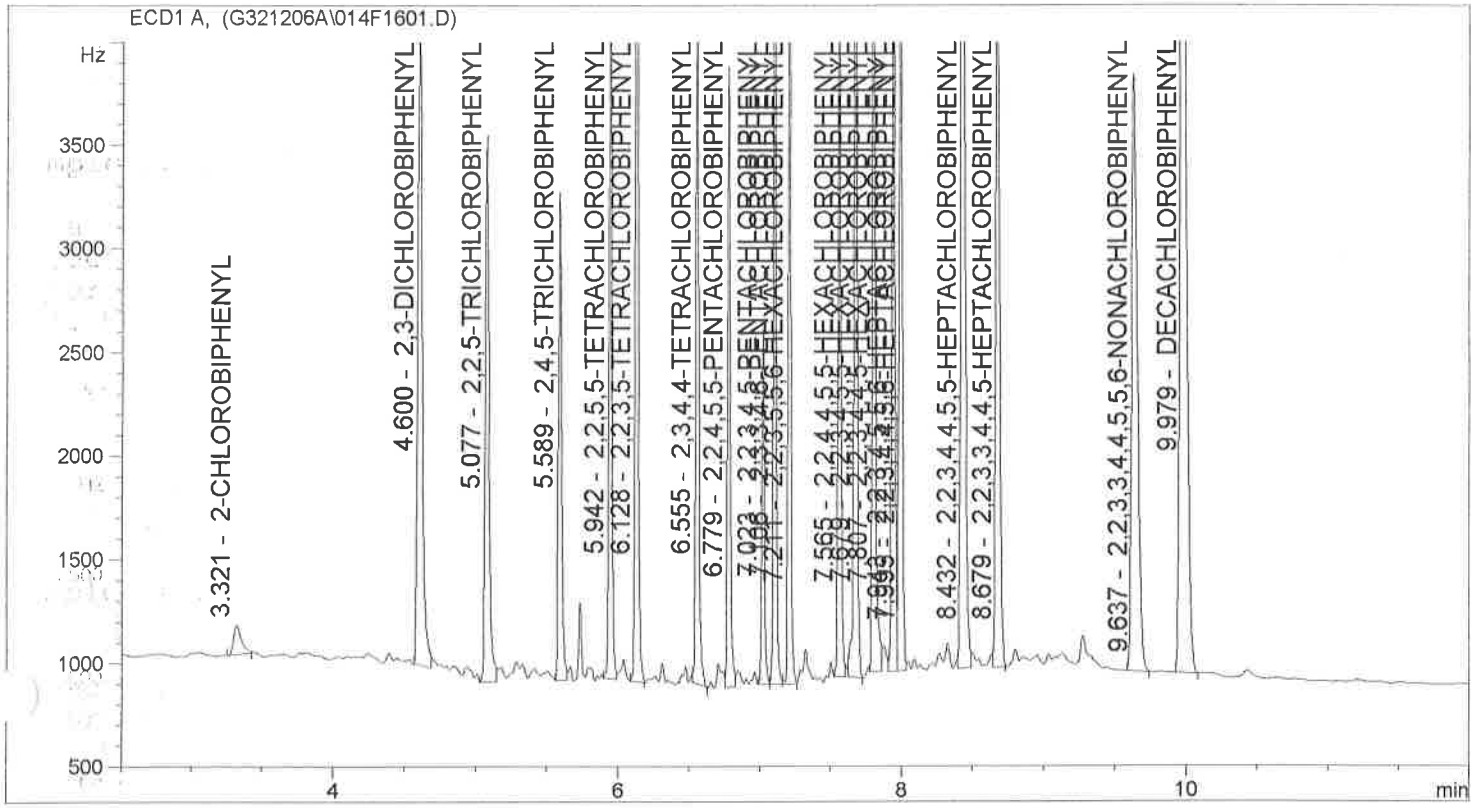
Sample Name : CCS Inst. GC #32F - Congener Analysis
2PCBS-791 ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\014F1801.D
Injection Date : 12/5/2018 8:57:58 PM Analyst ID. : NK ML AH
Report Created : 12/10/2018 3:55:04 PM Vial No. : 14
Seq. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.319	2-CHLOROBIPHENYL	528.8
4.599	4.601	2,3-DICHLOROBIPHENYL	6797.2
5.076	5.077	2,2,5-TRICHLOROBIPHENYL	4820.8
5.589	5.589	2,4,5-TRICHLOROBIPHENYL	3661.2
5.942	5.941	2,2,5,5-TETRACHLOROBIPHENYL	4666.2
6.128	6.128	2,2,3,5-TETRACHLOROBIPHENYL	6199.1
6.555	6.555	2,3,4,4-TETRACHLOROBIPHENYL	4886.7
6.780	6.780	2,2,4,5,5-PENTACHLOROBIPHENYL	3947.1
7.024	7.024	2,2,3,4,5-PENTACHLOROBIPHENYL	2287.2
7.107	7.107	2,3,3,4,6-PENTACHLOROBIPHENYL	5223.4
7.211	7.211	2,2,3,5,5,6-HEXACHLOROBIPHENYL	5002.0
7.565	7.566	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4662.6
7.679	7.679	2,2,3,4,5,5-HEXACHLOROBIPHENYL	7012.6
7.807	7.808	2,2,3,4,4,5-HEXACHLOROBIPHENYL	5840.9
7.943	7.944	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5411.6
7.994	7.995	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	5932.6
8.431	8.433	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	10639.3
8.677	8.681	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	6973.9
9.634	9.643	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	8215.0
9.973	9.983	DECACHLOROBIPHENYL	15090.6

Comments: _____

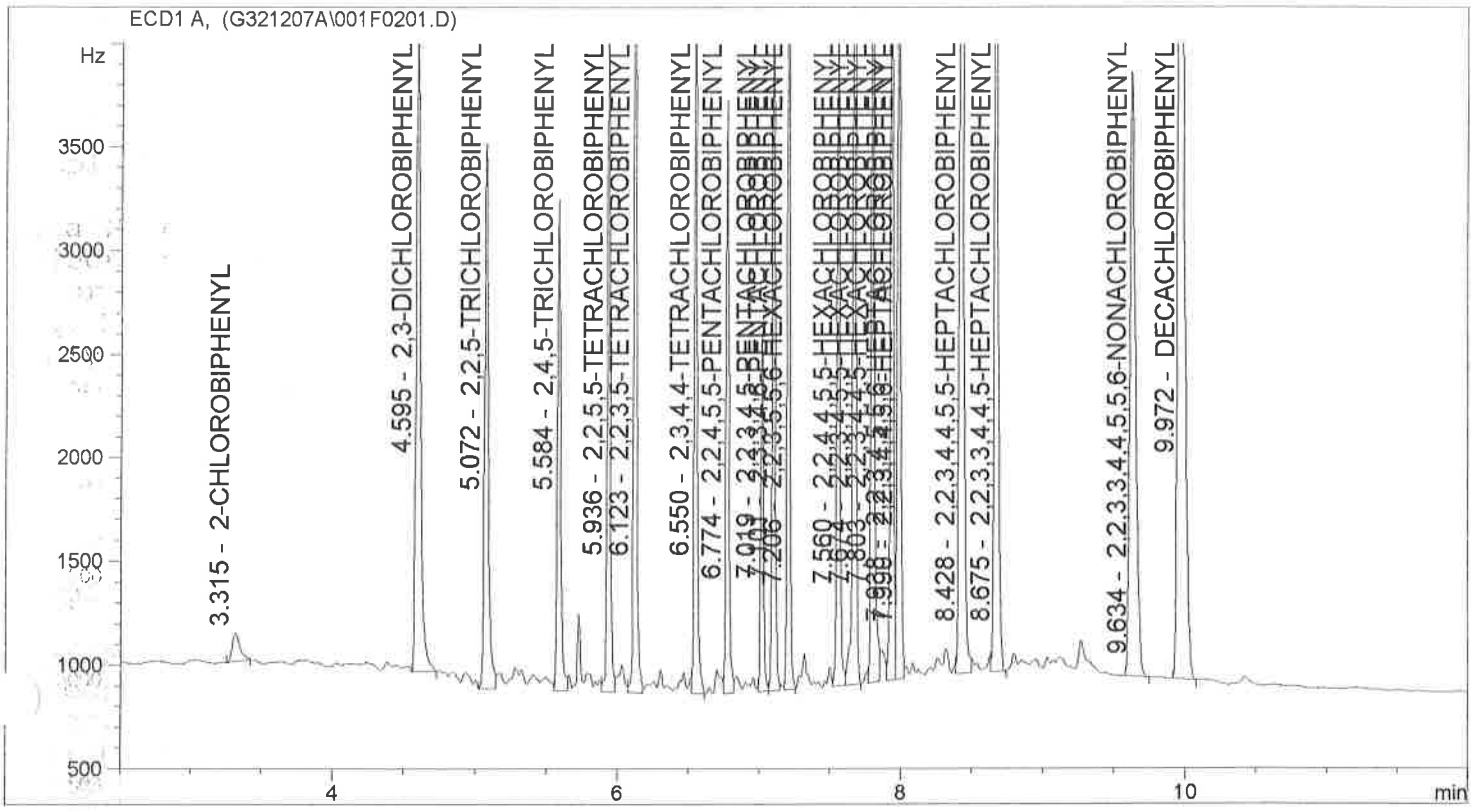
Sample Name : CCS Inst. GC #32F - Congener Analysis
2PCBS-791 ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\014F1601.D
Injection Date : 12/6/2018 7:22:55 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:28:25 AM Vial No. : 14
Seq. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.321	2-CHLOROBIPHENYL	531.0
4.599	4.600	2,3-DICHLOROBIPHENYL	6693.7
5.076	5.077	2,2,5-TRICHLOROBIPHENYL	4801.7
5.589	5.589	2,4,5-TRICHLOROBIPHENYL	3604.0
5.942	5.942	2,2,5,5-TETRACHLOROBIPHENYL	4615.4
6.128	6.128	2,2,3,5-TETRACHLOROBIPHENYL	6049.2
6.555	6.555	2,3,4,4-TETRACHLOROBIPHENYL	4636.9
6.780	6.779	2,2,4,5,5-PENTACHLOROBIPHENYL	3914.4
7.024	7.023	2,2,3,4,5-PENTACHLOROBIPHENYL	2228.1
7.107	7.106	2,3,3,4,6-PENTACHLOROBIPHENYL	5073.6
7.211	7.211	2,2,3,5,5,6-HEXACHLOROBIPHENYL	4884.6
7.565	7.565	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4489.8
7.679	7.679	2,2,3,4,5,5-HEXACHLOROBIPHENYL	6782.9
7.807	7.807	2,2,3,4,4,5-HEXACHLOROBIPHENYL	5624.3
7.943	7.943	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5296.8
7.994	7.995	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	5810.0
8.431	8.432	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	10362.3
8.677	8.679	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	6791.9
9.634	9.637	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	8053.0
9.973	9.979	DECACHLOROBIPHENYL	14779.2

Comments: _____

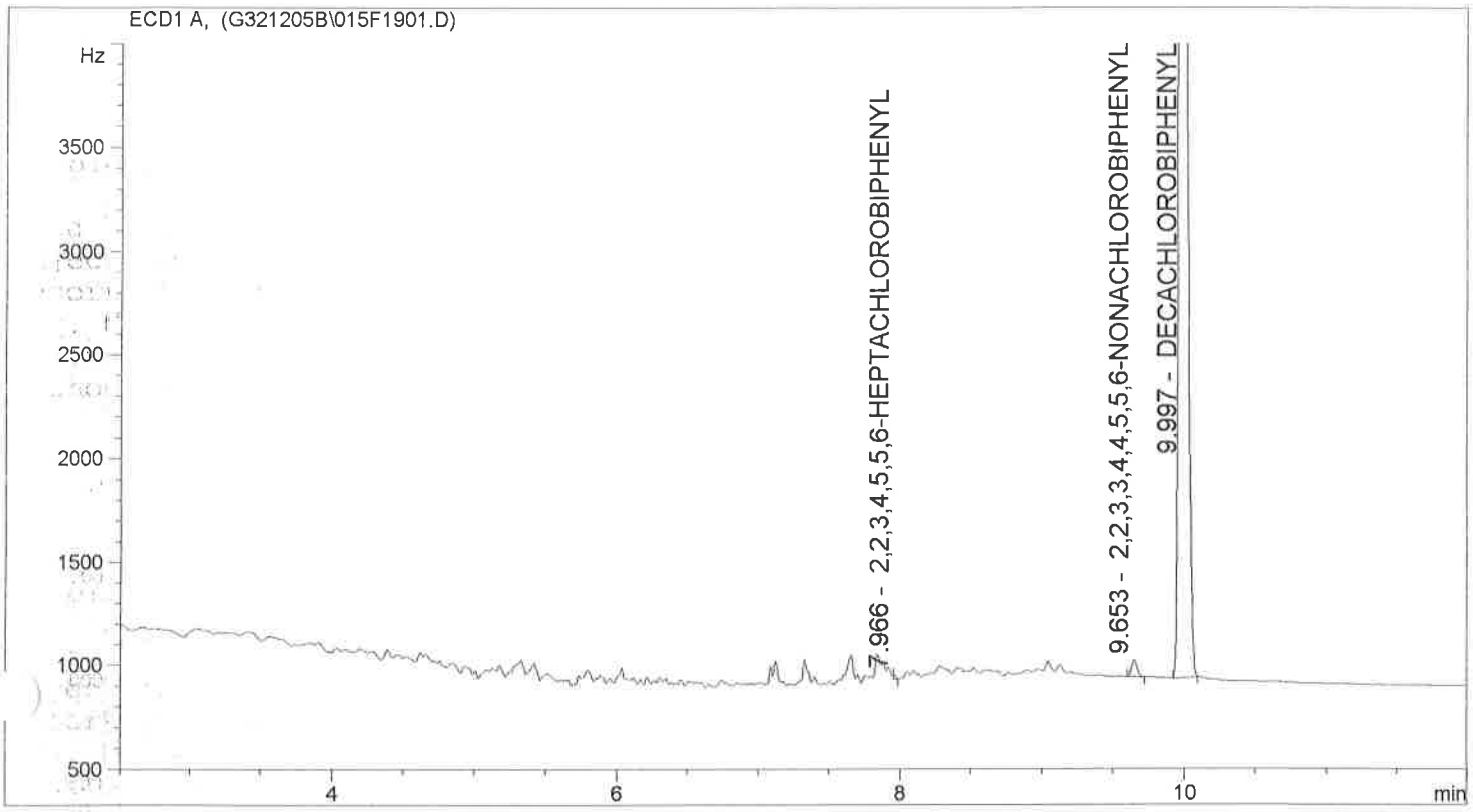
Sample Name : CCS Inst. GC #32F - Congener Analysis
2PCBS-791 ->
Data File : C:\HPCHEM\1\DATA\2018\G321207A\001F0201.D
Injection Date : 12/7/2018 10:14:10 AM Analyst ID. : NK ML AH
Report Created : 12/10/2018 3:57:29 PM Vial No. : 1
Eq. Method : CONF18C.M Sample Amt. : 0.0000
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	3.315	2-CHLOROBIPHENYL	521.7
4.599	4.595	2,3-DICHLOROBIPHENYL	6717.3
5.076	5.072	2,2,5-TRICHLOROBIPHENYL	4843.6
5.589	5.584	2,4,5-TRICHLOROBIPHENYL	3749.7
5.942	5.936	2,2,5,5-TETRACHLOROBIPHENYL	4793.4
6.128	6.123	2,2,3,5-TETRACHLOROBIPHENYL	6203.1
6.555	6.550	2,3,4,4-TETRACHLOROBIPHENYL	4727.0
6.780	6.774	2,2,4,5,5-PENTACHLOROBIPHENYL	3974.6
7.024	7.019	2,2,3,4,5-PENTACHLOROBIPHENYL	2269.7
7.107	7.101	2,3,3,4,6-PENTACHLOROBIPHENYL	5113.0
7.211	7.206	2,2,3,5,5,6-HEXACHLOROBIPHENYL	4903.7
7.565	7.560	2,2,4,4,5,5-HEXACHLOROBIPHENYL	4646.6
7.679	7.674	2,2,3,4,5,5-HEXACHLOROBIPHENYL	6914.0
7.807	7.803	2,2,3,4,4,5-HEXACHLOROBIPHENYL	5767.3
7.943	7.938	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	5411.2
7.994	7.990	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	5893.4
8.431	8.428	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	10484.3
8.677	8.675	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	6826.6
9.634	9.634	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	8057.4
9.973	9.972	DECACHLOROBIPHENYL	14823.6

Comments: _____

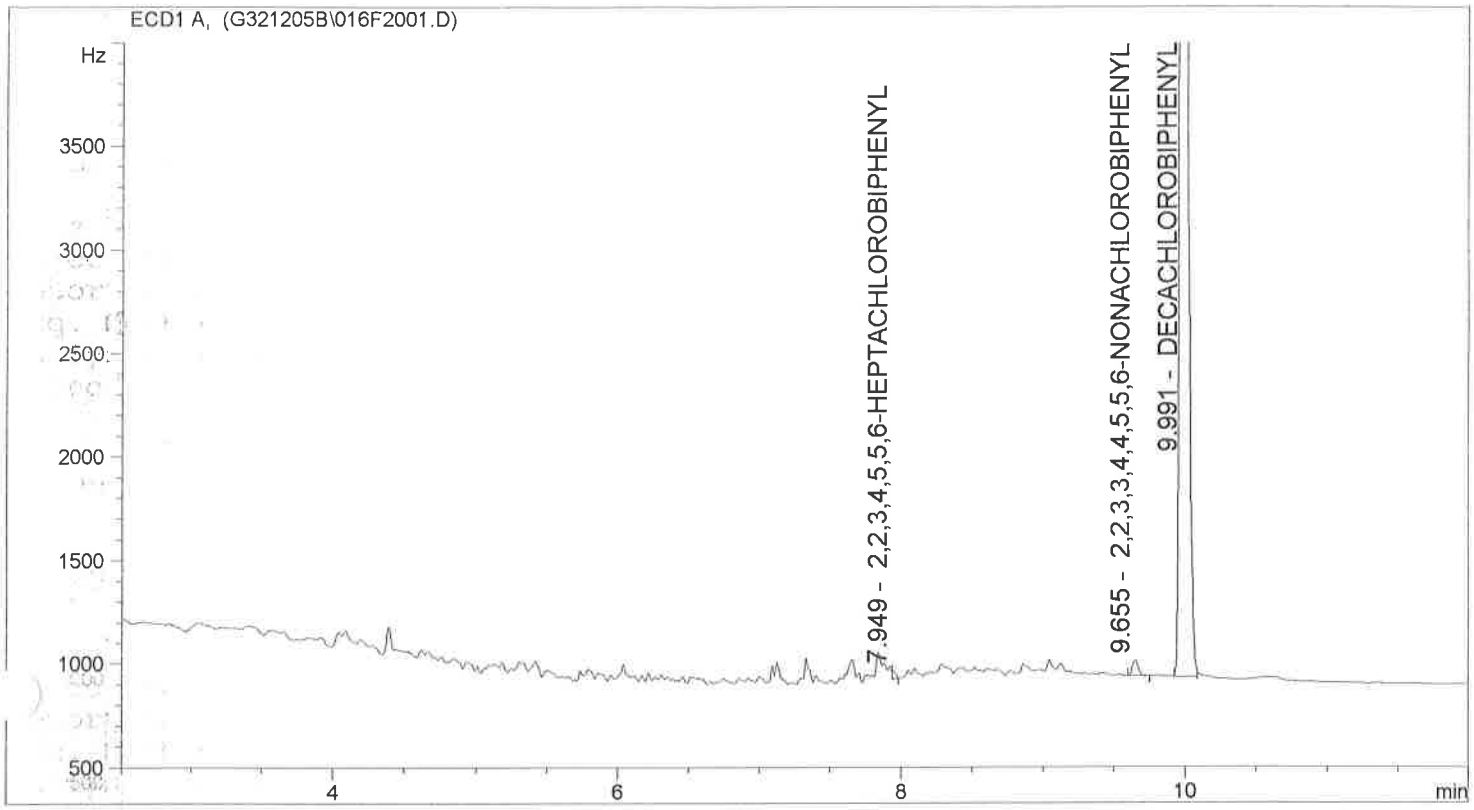
Sample Name : METHOD BLK 1 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\015F1901.D
Injection Date : 12/5/2018 9:13:04 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:28:35 PM Vial No. : 15
Seq. Method : CONF18C.M Sample Amt. : 2.5395
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	7.966	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	20.2
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.653	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	216.6
9.973	9.997	DECACHLOROBIPHENYL	32684.6

Comments: _____

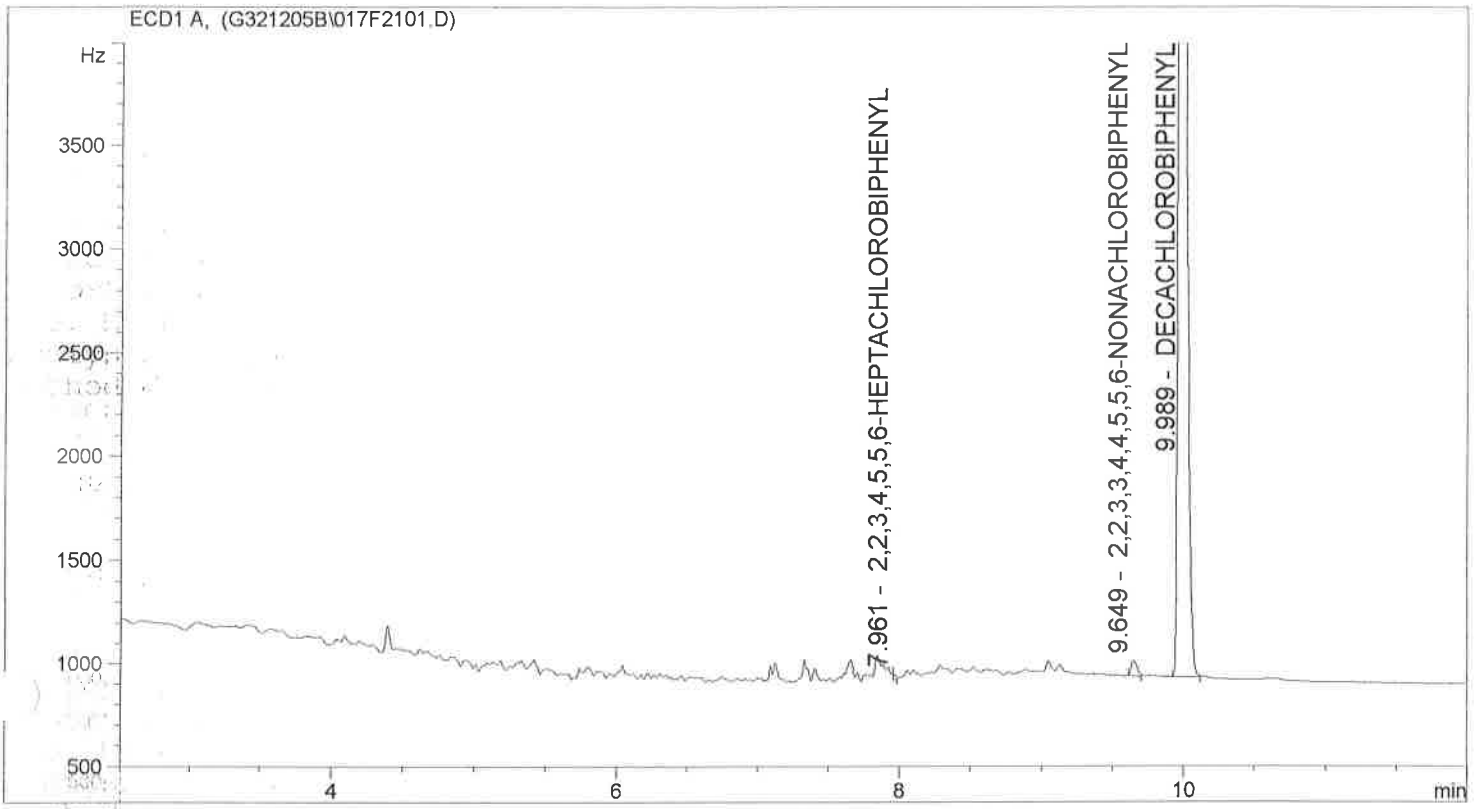
Sample Name : METHOD BLK 2 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\016F2001.D
Injection Date : 12/5/2018 9:28:08 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:30:16 PM Vial No. : 16
Inj. Method : CONF18C.M Sample Amt. : 2.5430
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	7.949	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	62.6
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.655	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	214.8
9.973	9.991	DECACHLOROBIPHENYL	31520.0

Comments: _____

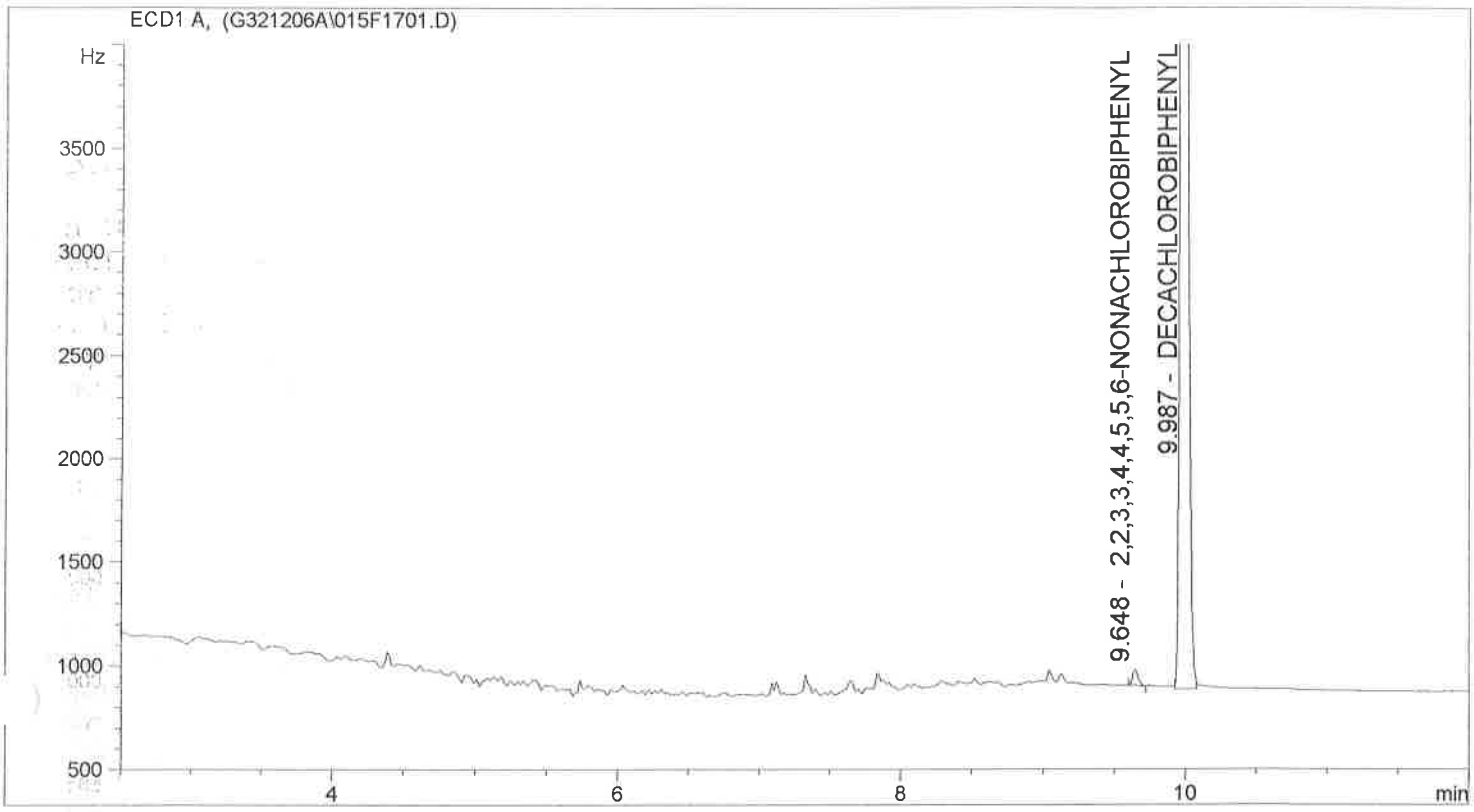
Sample Name : METHOD BLK 3 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\017F2101.D
Injection Date : 12/5/2018 9:43:13 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:32:13 PM Vial No. : 17
Inj. Method : CONF18C.M Sample Amt. : 2.5342
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	7.961	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	36.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.649	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	220.8
9.973	9.989	DECACHLOROBIPHENYL	31856.1

Comments: _____

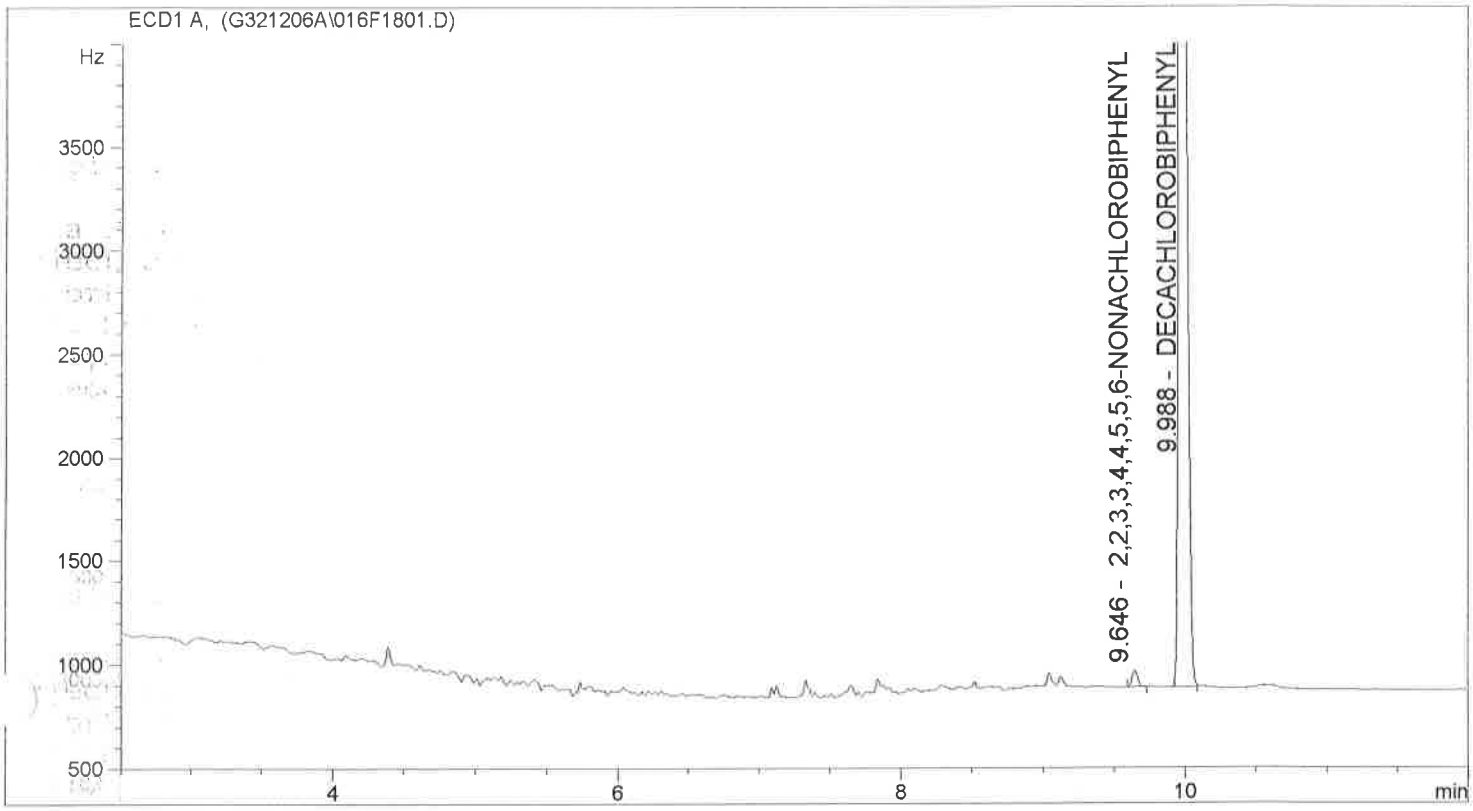
Sample Name : METHOD BLK 1 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\015F1701.D
Injection Date : 12/6/2018 7:38:01 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:29:34 AM Vial No. : 15
Inj. Method : CONF18C.M Sample Amt. : 2.5556
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.648	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	206.0
9.973	9.987	DECACHLOROBIPHENYL	29544.4

Comments: _____

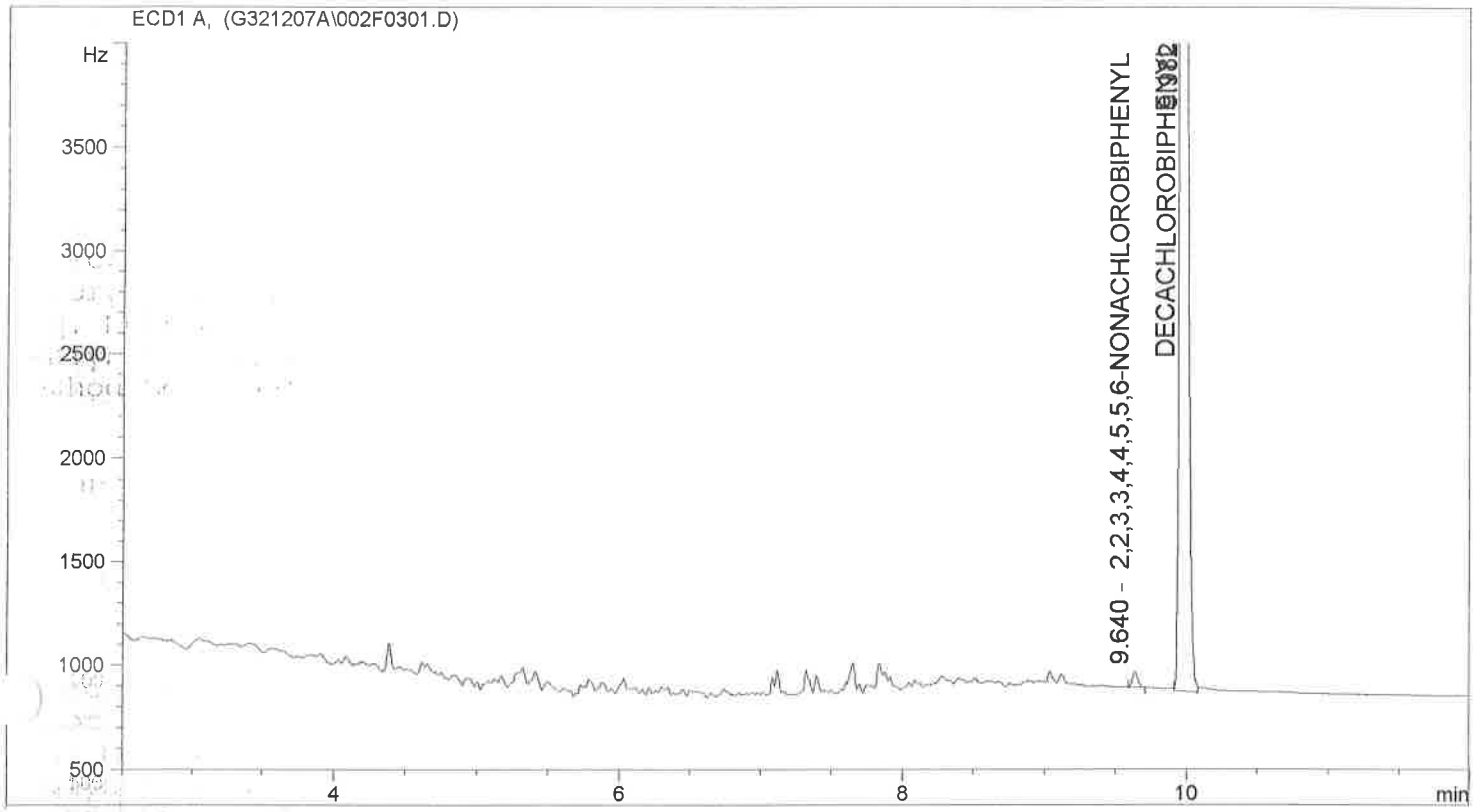
Sample Name : METHOD BLK 2 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\016F1801.D
Injection Date : 12/6/2018 7:53:07 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:30:11 AM Vial No. : 16
Eq. Method : CONF18C.M Sample Amt. : 2.5446
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.646	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	199.9
9.973	9.988	DECACHLOROBIPHENYL	30012.7

Comments: _____

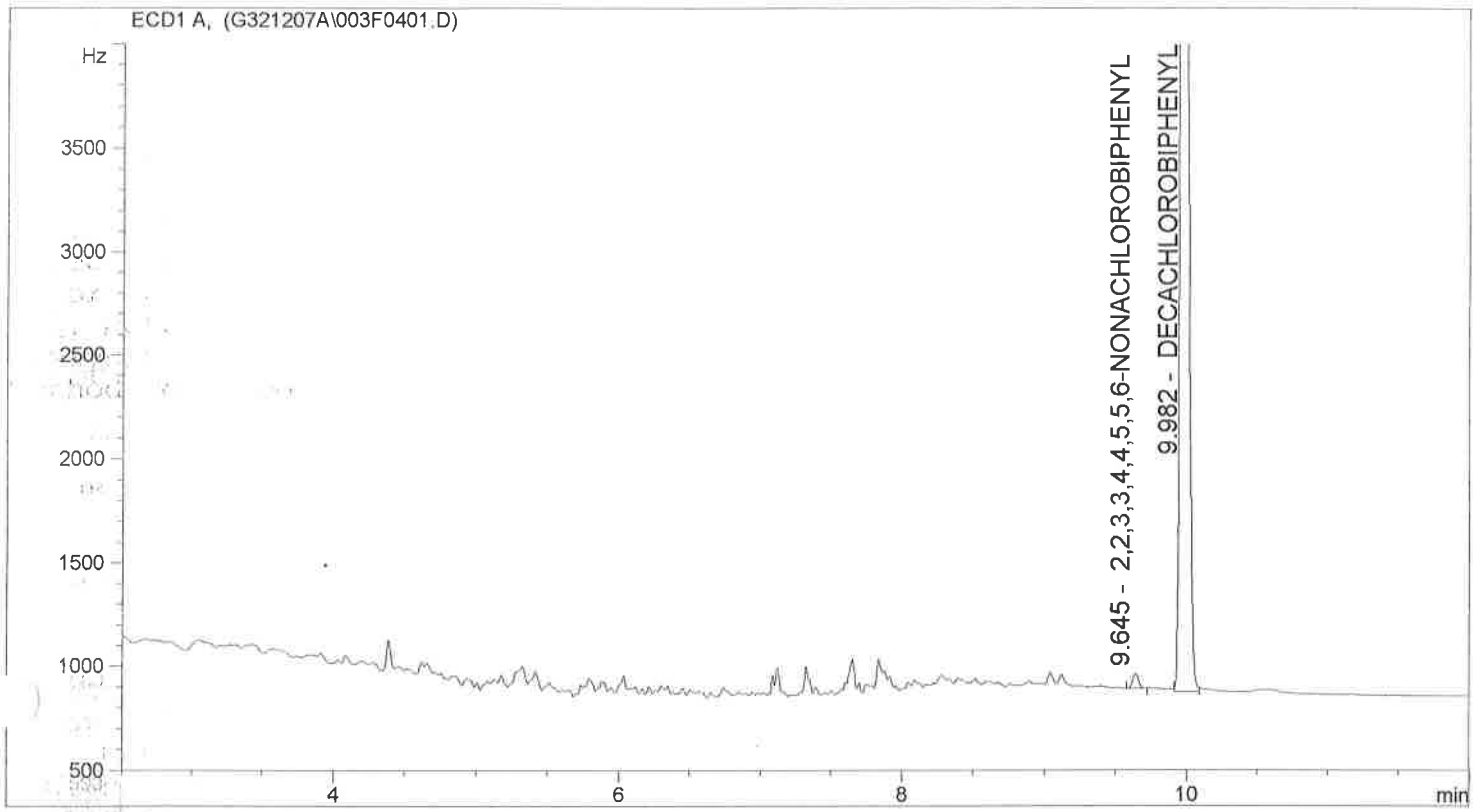
Sample Name : METHOD BLK 1 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321207A\002F0301.D
Injection Date : 12/7/2018 10:29:13 AM Analyst ID. : NK ML AH
Report Created : 12/10/201810:44:17 AM Vial No. : 2
Seq. Method : CONF18C.M Sample Amt. : 2.5544
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.640	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	194.3
9.973	9.966	DECACHLOROBIPHENYL	0.0

Comments: _____

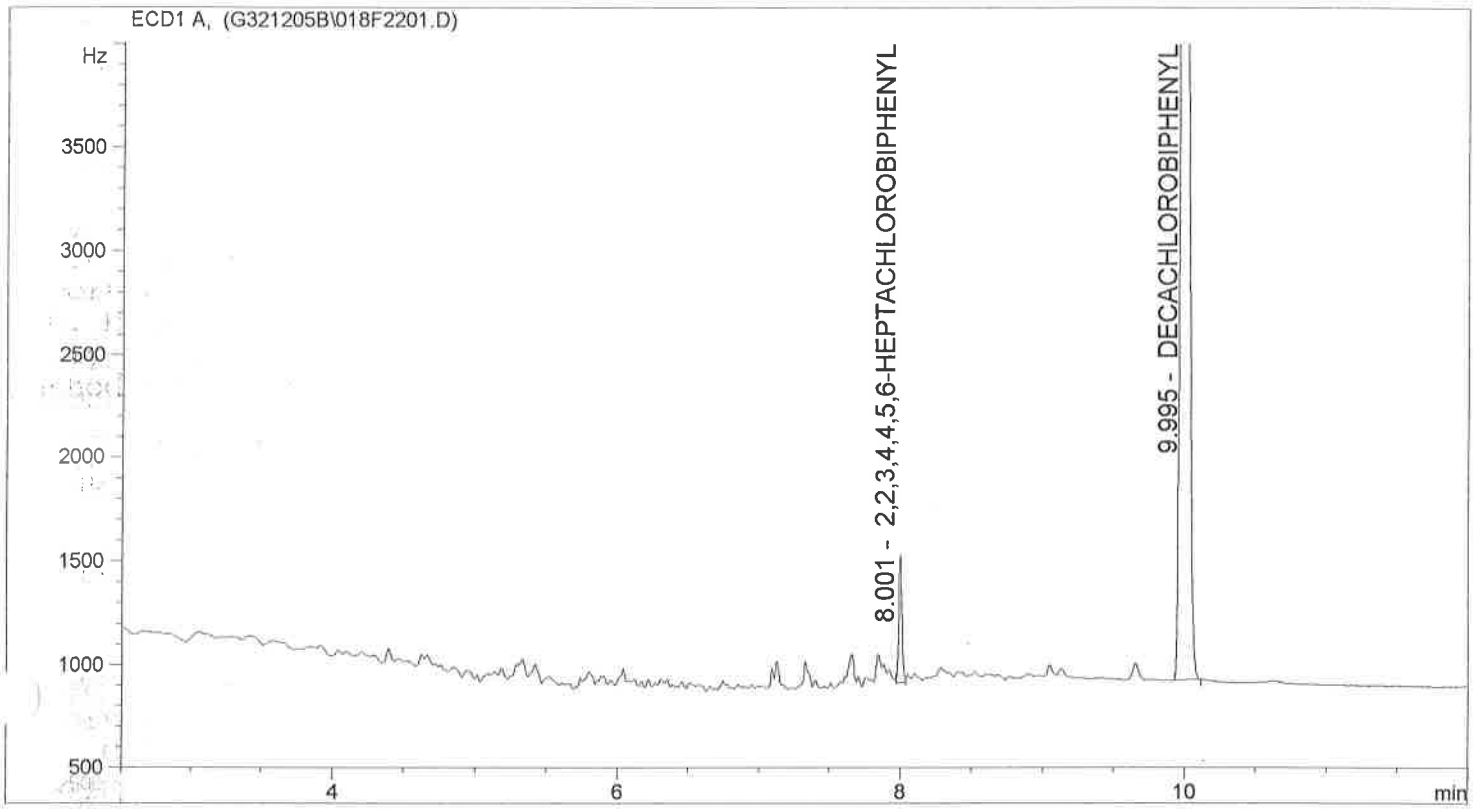
Sample Name : METHOD BLK 2 Inst. GC #32F - Congener Analysis
2PCBS-746 15PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321207A\003F0401.D
Injection Date : 12/7/2018 10:44:17 AM Analyst ID. : NK ML AH
Report Created : 12/10/201810:45:30 AM Vial No. : 3
Eq. Method : CONF18C.M Sample Amt. : 2.5500
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.645	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	187.4
9.973	9.982	DECACHLOROBIPHENYL	27977.3

Comments: _____

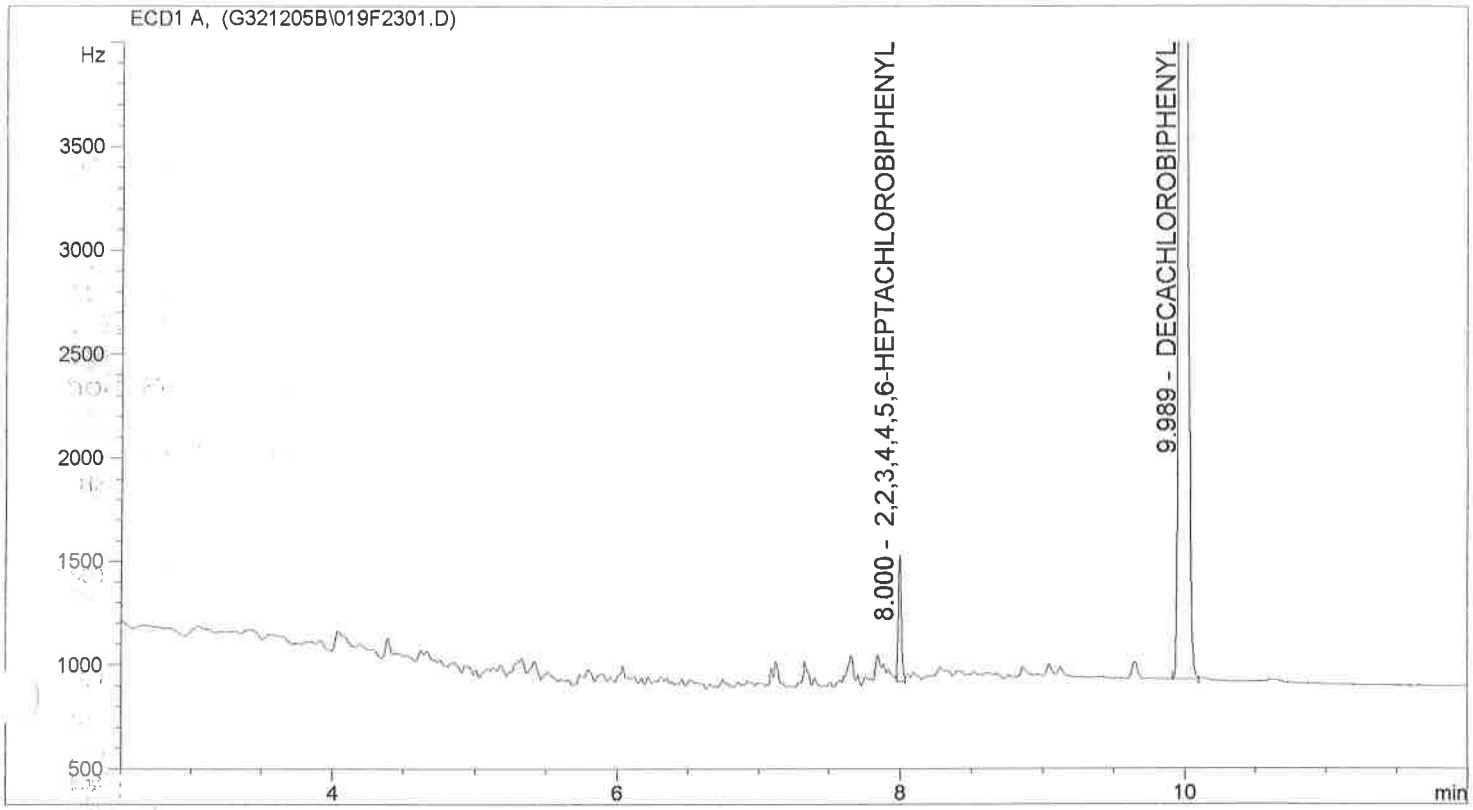
Sample Name : 2PCBS-771 A Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\018F2201.D
Injection Date : 12/5/2018 9:58:18 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:33:41 PM Vial No. : 18
Eq. Method : CONF18C.M Sample Amt. : 2.5347
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	8.001	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	953.6
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.995	DECACHLOROBIPHENYL	33010.4

Comments: _____

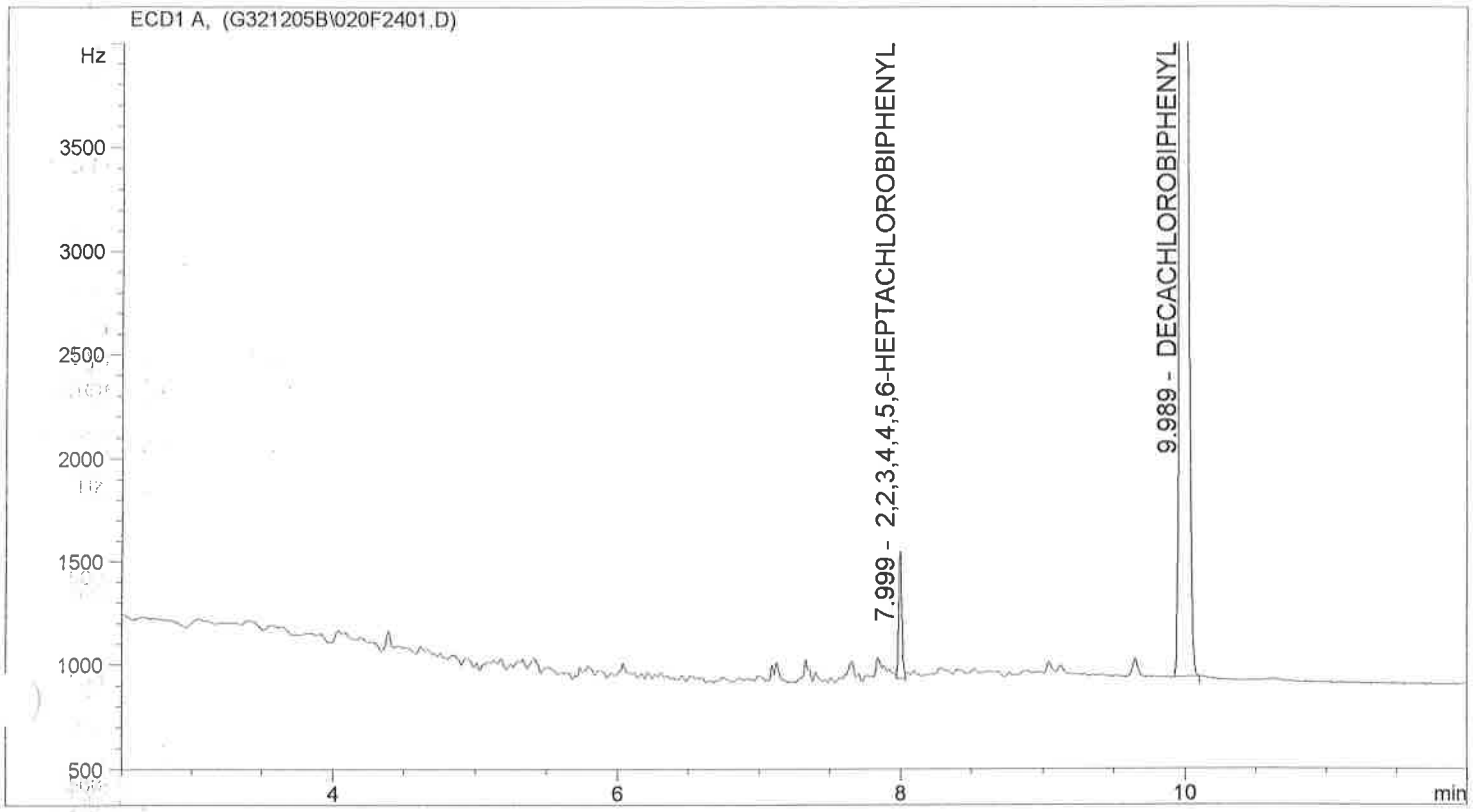
Sample Name : 2PCBS-771 B Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\019F2301.D
Injection Date : 12/5/2018 10:13:26 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:34:30 PM Vial No. : 19
Meq. Method : CONF18C.M Sample Amt. : 2.5300
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	8.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	926.6
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.989	DECACHLOROBIPHENYL	31429.1

Comments: _____

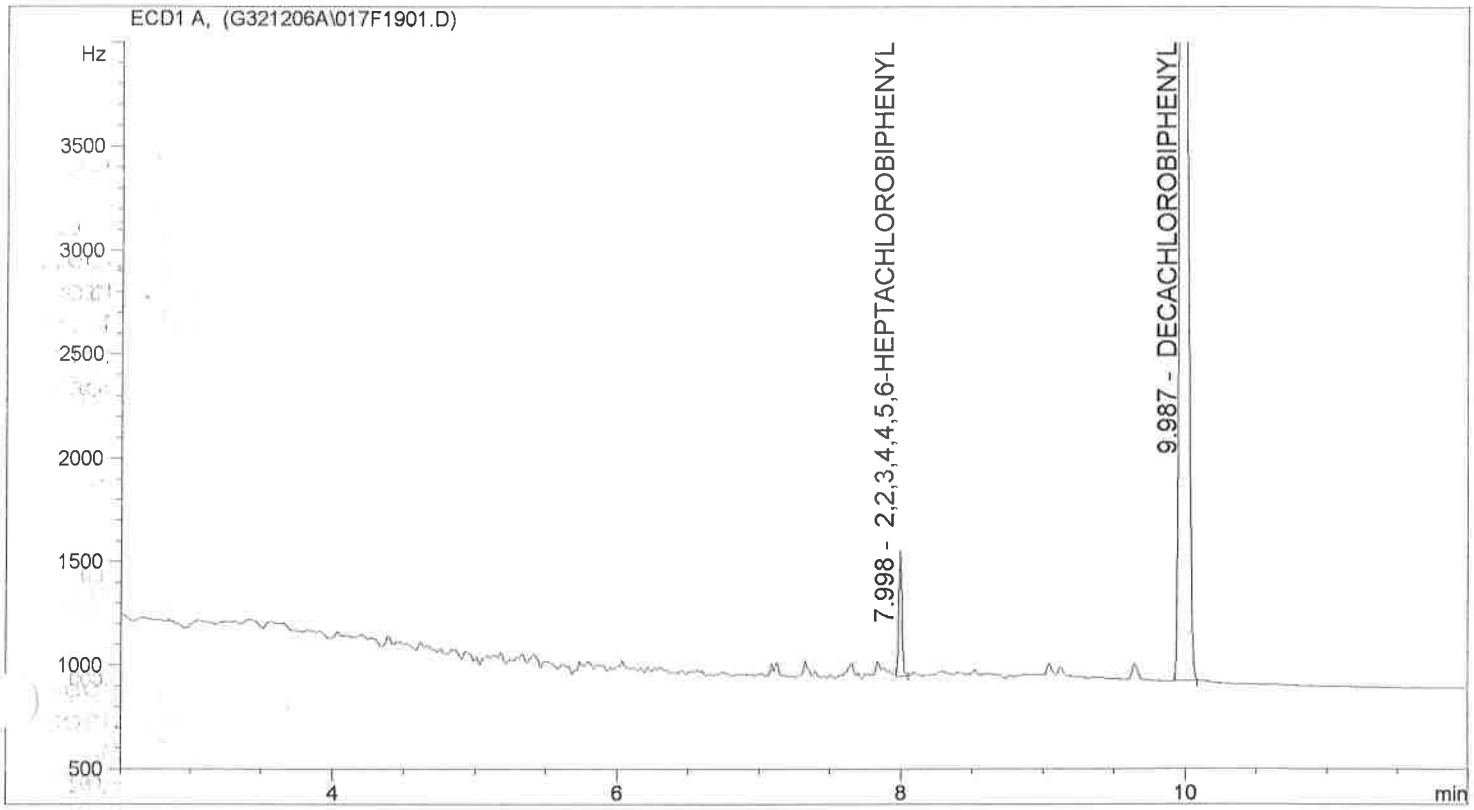
Sample Name : 2PCBS-771 C Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\020F2401.D
Injection Date : 12/5/2018 10:28:30 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:35:16 PM Vial No. : 20
Inj. Method : CONF18C.M Sample Amt. : 2.5581
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	7.999	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	959.3
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.989	DECACHLOROBIPHENYL	31861.8

Comments: _____

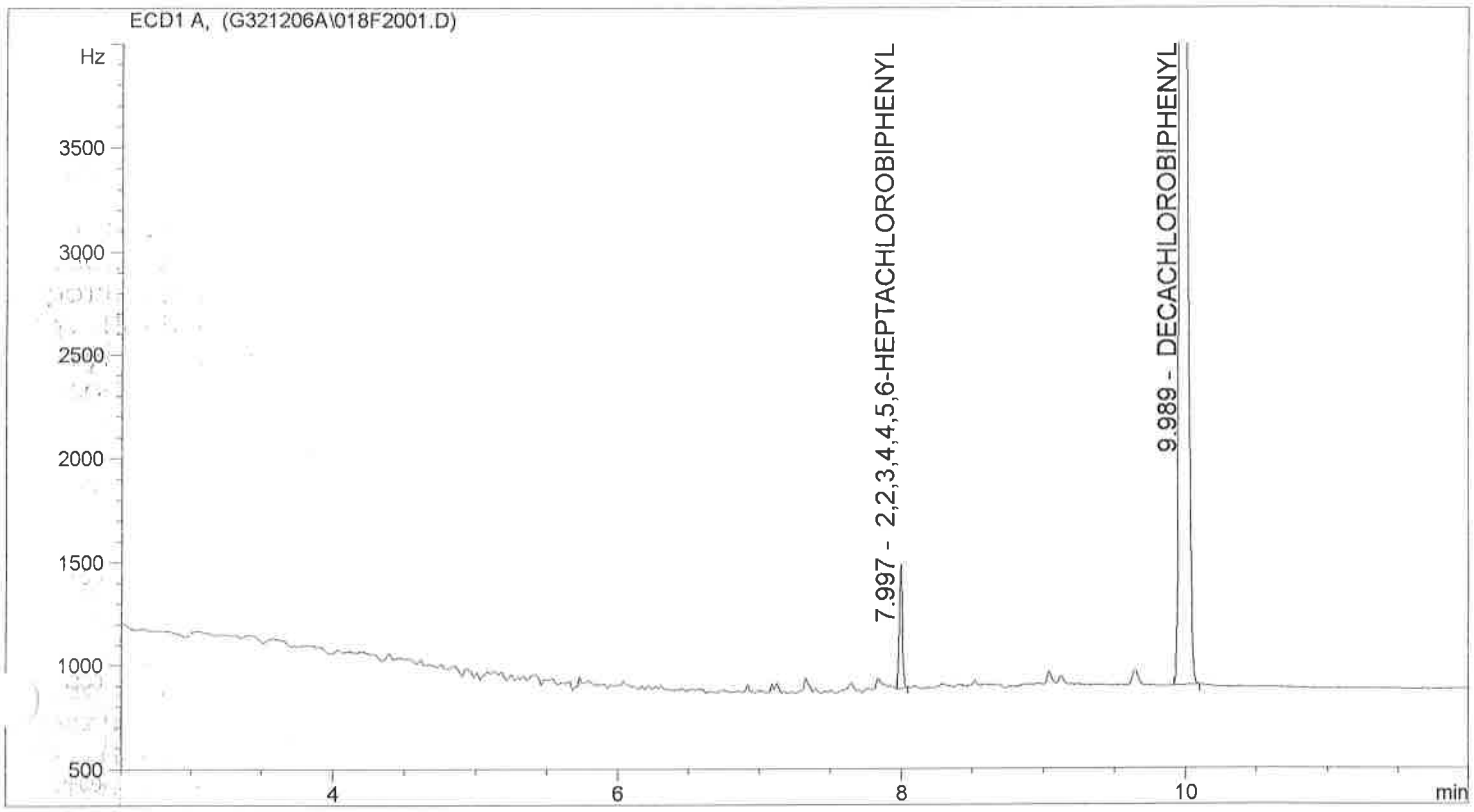
Sample Name : 2PCBS-771 D Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\017F1901.D
Injection Date : 12/6/2018 8:08:12 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:30:56 AM Vial No. : 17
Req. Method : CONF18C.M Sample Amt. : 2.5492
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	7.998	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	916.6
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.987	DECACHLOROBIPHENYL	29945.2

Comments: _____

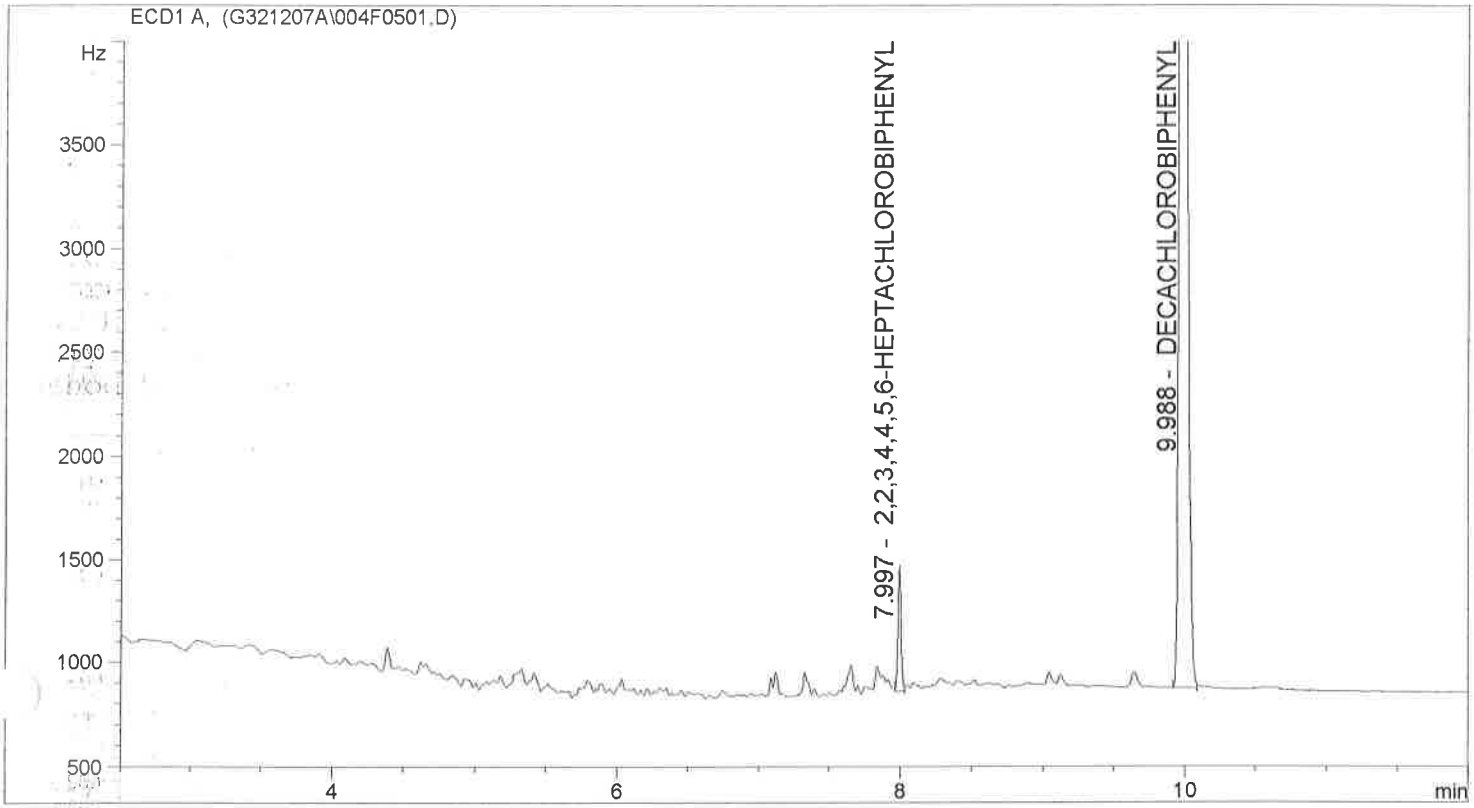
Sample Name : 2PCBS-771 E Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\018F2001.D
Injection Date : 12/6/2018 8:23:17 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:31:28 AM Vial No. : 18
Inj. Method : CONF18C.M Sample Amt. : 2.5465
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	7.997	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	926.8
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.989	DECACHLOROBIPHENYL	30253.5

Comments: _____

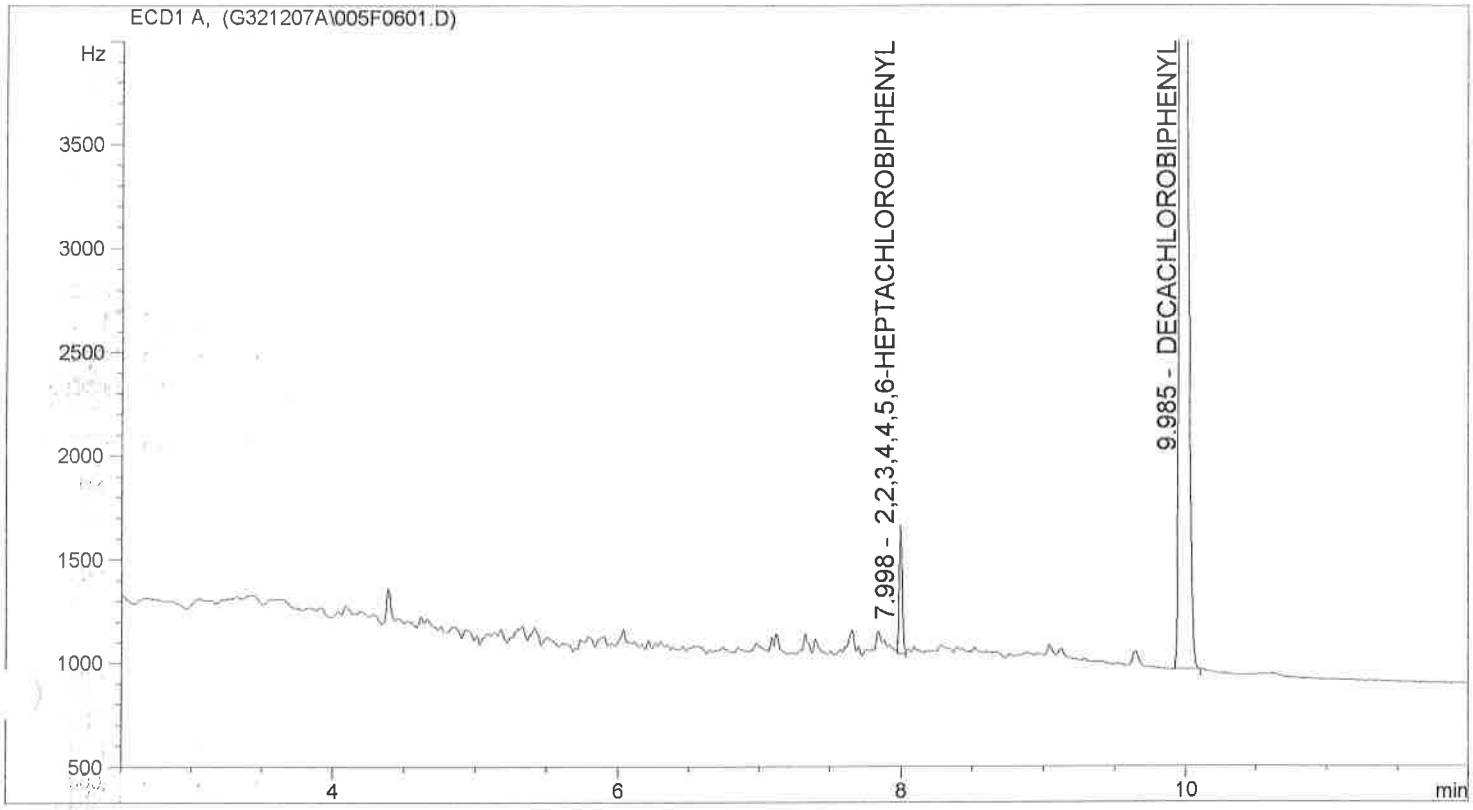
Sample Name : 2PCBS-771 F Inst. GC #32F - Congener Analysis
DAY 3 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321207A\004F0501.D
Injection Date : 12/7/2018 10:59:22 AM Analyst ID. : NK ML AH
Report Created : 12/10/201810:46:30 AM Vial No. : 4
Seq. Method : CONF18C.M Sample Amt. : 2.5408
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	7.997	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	956.2
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.988	DECACHLOROBIPHENYL	29314.5

Comments: _____

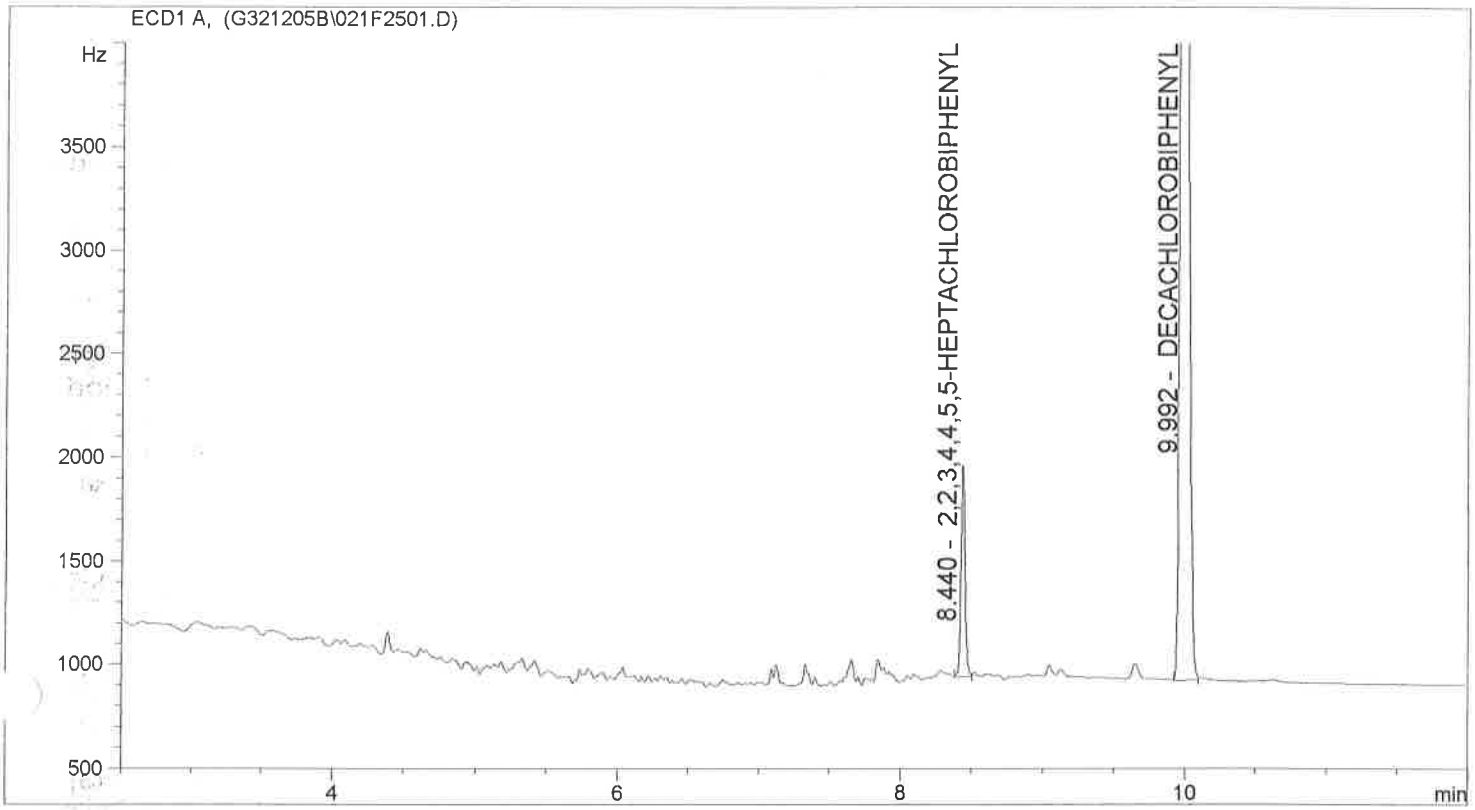
Sample Name : 2PCBS-771 G Inst. GC #32F - Congener Analysis
DAY 3 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321207A\005F0601.D
Injection Date : 12/7/2018 11:14:26 AM Analyst ID. : NK ML AH
Report Created : 12/10/201810:46:55 AM Vial No. : 5
Seq. Method : CONF18C.M Sample Amt. : 2.5476
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	7.998	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	897.1
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.985	DECACHLOROBIPHENYL	29141.3

Comments: _____

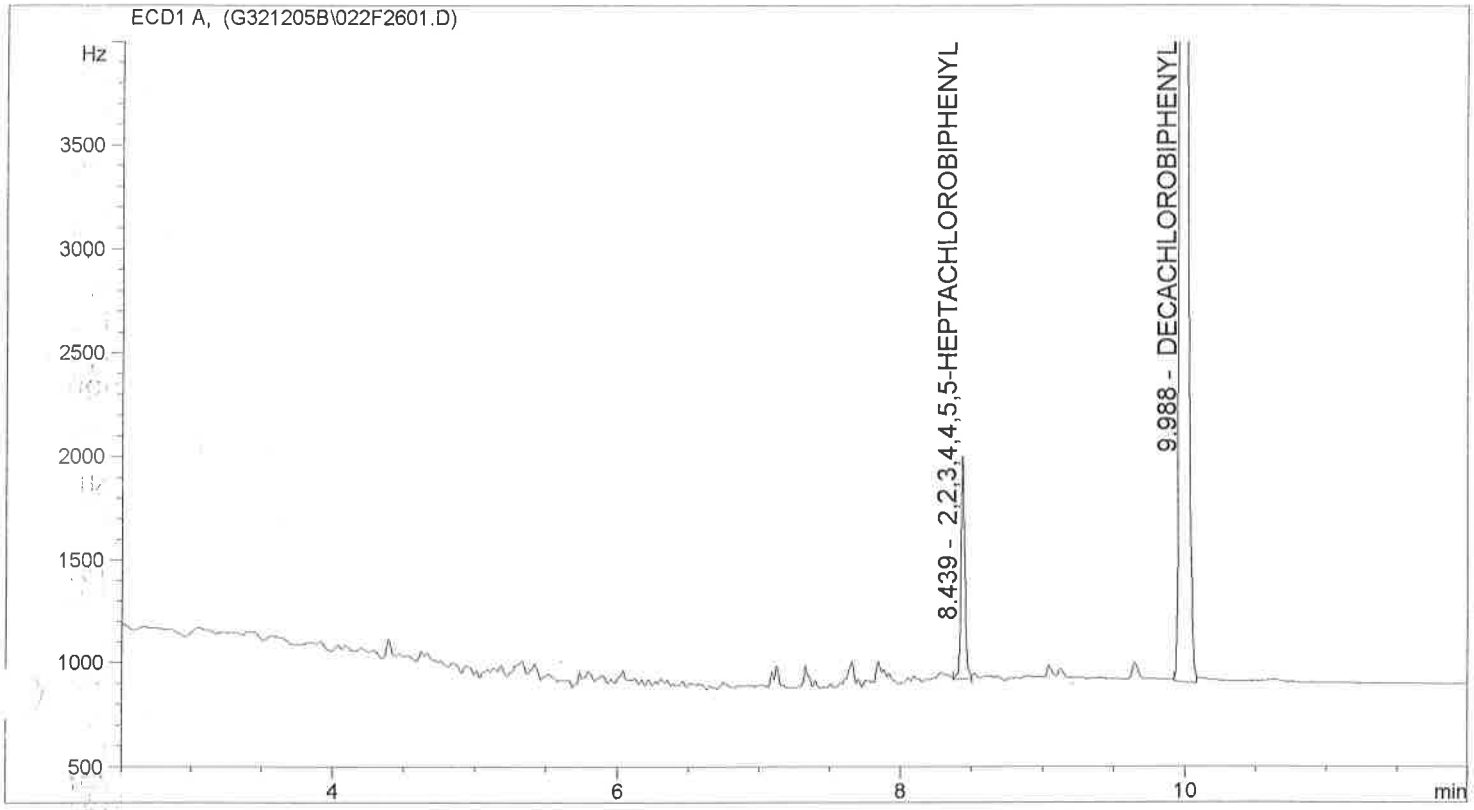
Sample Name : 2PCBS-770 A Inst. GC #32F - Congener Analysis
DAY 1 0.028 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\021F2501.D
Injection Date : 12/5/2018 10:43:36 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:36:05 PM Vial No. : 21
Seq. Method : CONF18C.M Sample Amt. : 2.5405
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	8.440	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	1994.4
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.992	DECACHLOROBIPHENYL	31741.3

Comments: _____

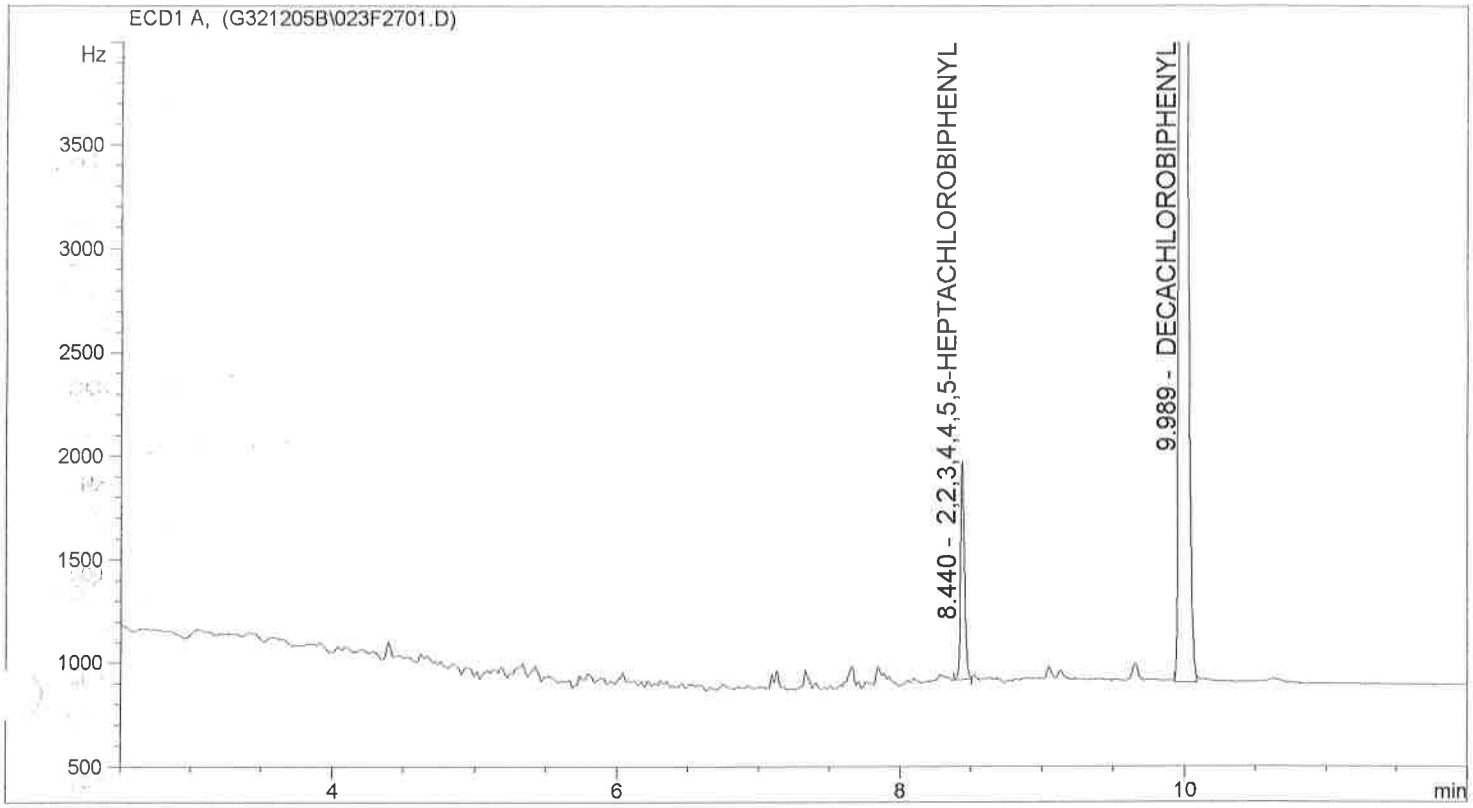
Sample Name : 2PCBS-770 B Inst. GC #32F - Congener Analysis
DAY 1 0.028 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\022F2601.D
Injection Date : 12/5/2018 10:58:42 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:37:01 PM Vial No. : 22
Seq. Method : CONF18C.M Sample Amt. : 2.5411
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	8.439	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	2081.9
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.988	DECACHLOROBIPHENYL	30913.6

Comments: _____

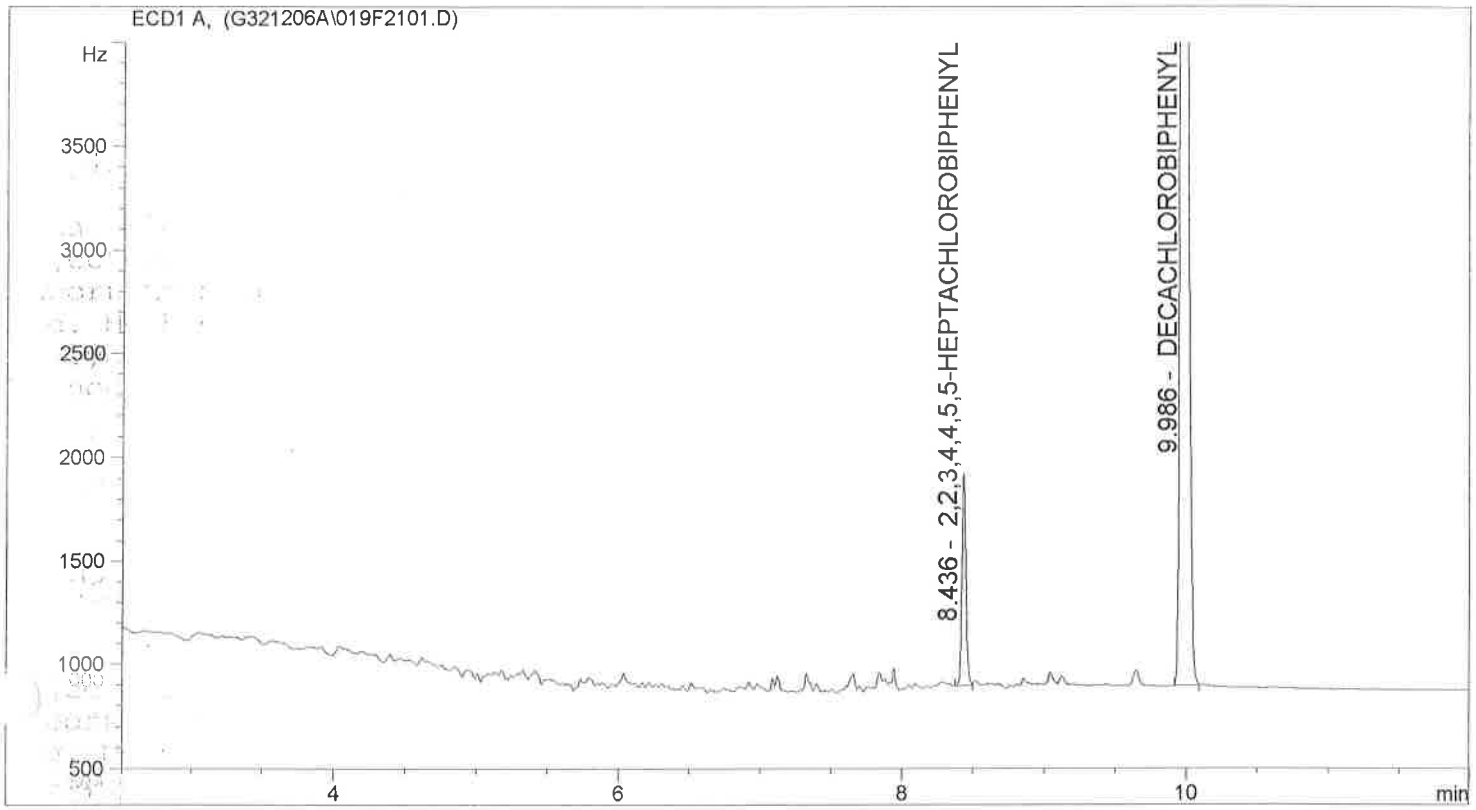
Sample Name : 2PCBS-770 C Inst. GC #32F - Congener Analysis
DAY 1 0.028 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\023F2701.D
Injection Date : 12/5/2018 11:13:57 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:37:45 PM Vial No. : 23
Seq. Method : CONF18C.M Sample Amt. : 2.5448
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	8.440	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	2014.4
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.989	DECACHLOROBIPHENYL	31367.3

Comments: _____

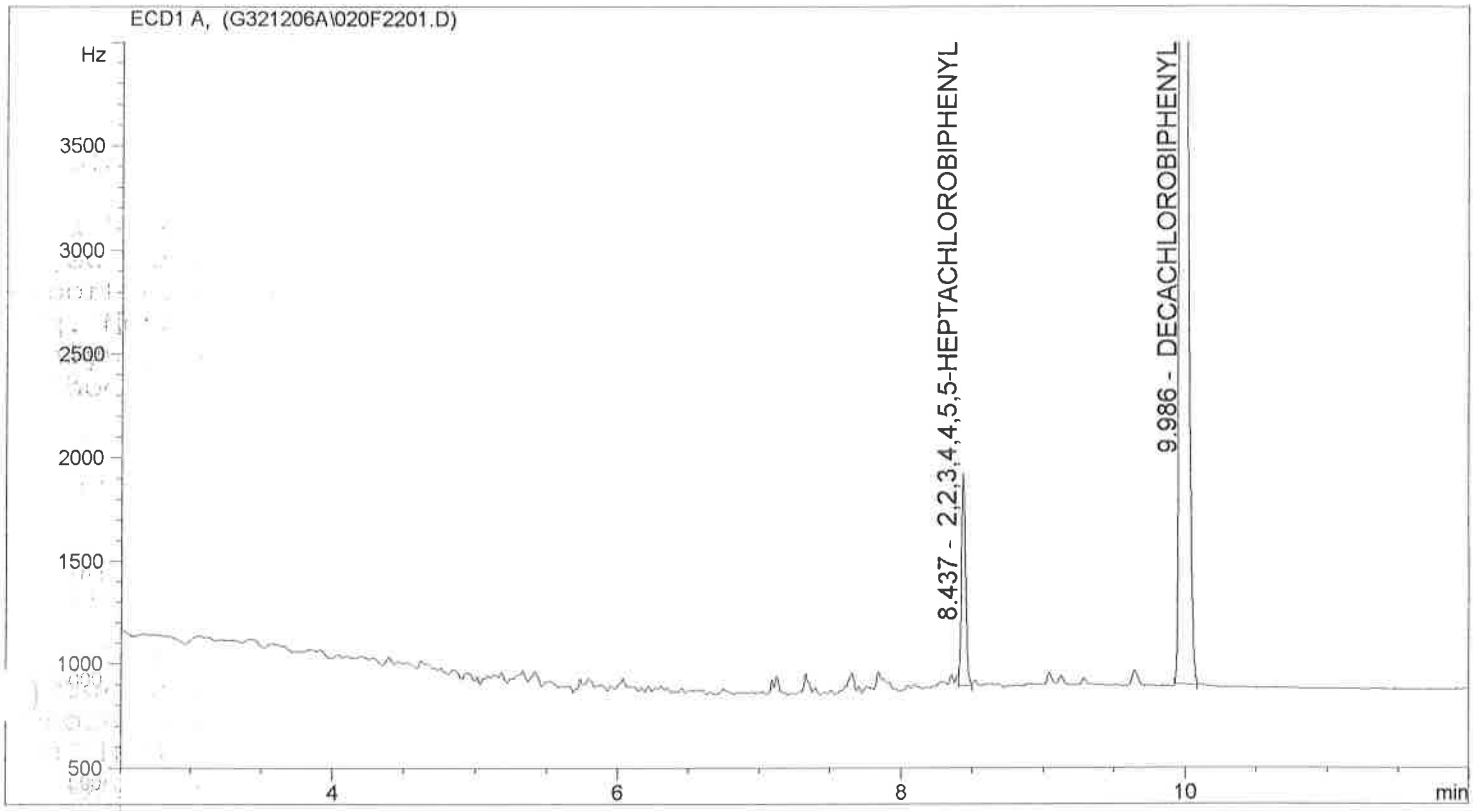
Sample Name : 2PCBS-770 D Inst. GC #32F - Congener Analysis
DAY 1 0.028 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\019F2101.D
Injection Date : 12/6/2018 8:38:23 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:32:13 AM Vial No. : 19
Seq. Method : CONF18C.M Sample Amt. : 2.5389
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	8.436	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	1956.3
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.986	DECACHLOROBIPHENYL	30208.4

Comments: _____

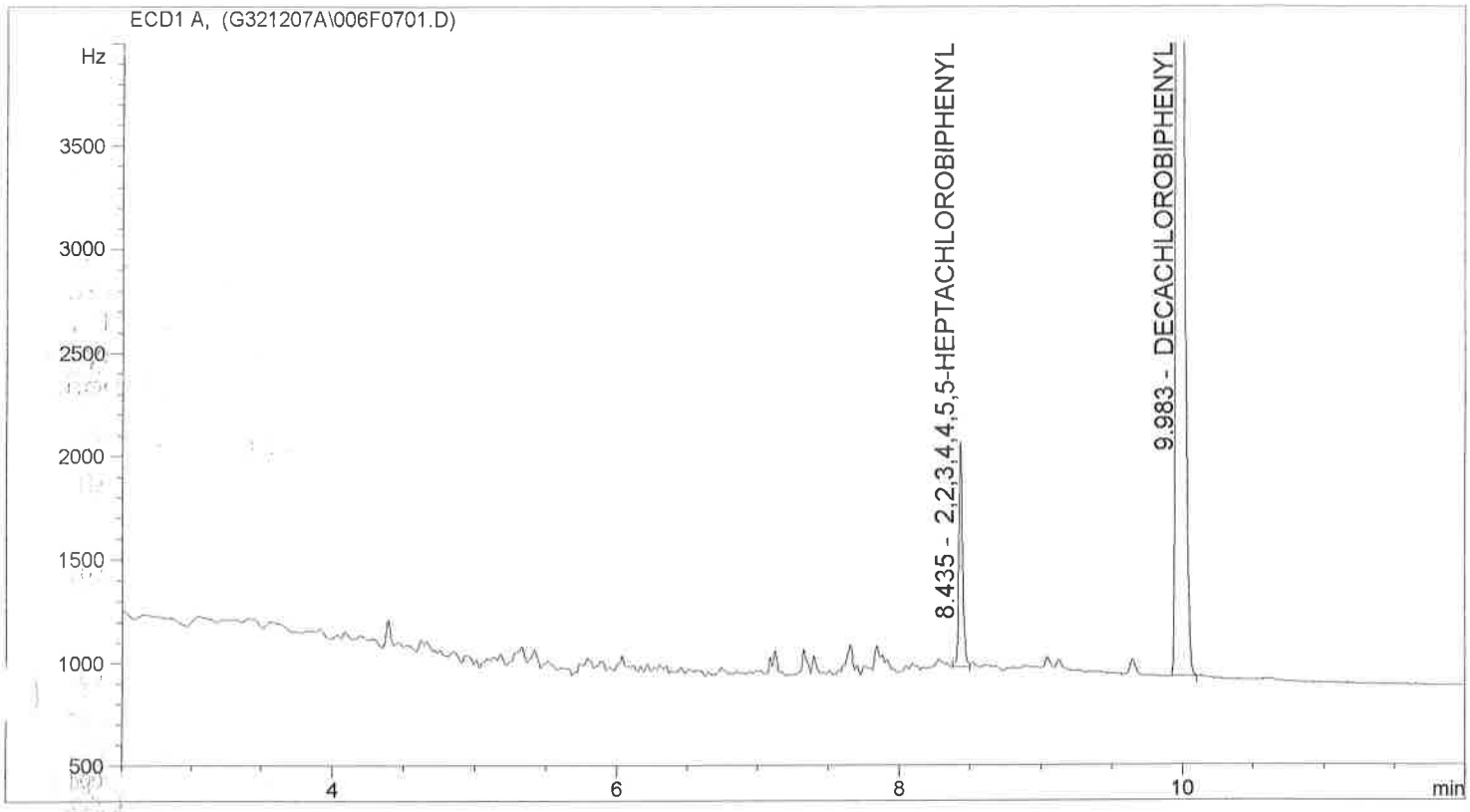
Sample Name : 2PCBS-770 E Inst. GC #32F - Congener Analysis
DAY 1 0.028 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\020F2201.D
Injection Date : 12/6/2018 8:53:26 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:35:18 AM Vial No. : 20
Seq. Method : CONF18C.M Sample Amt. : 2.5486
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	8.437	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	2025.1
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.986	DECACHLOROBIPHENYL	30177.0

Comments: _____

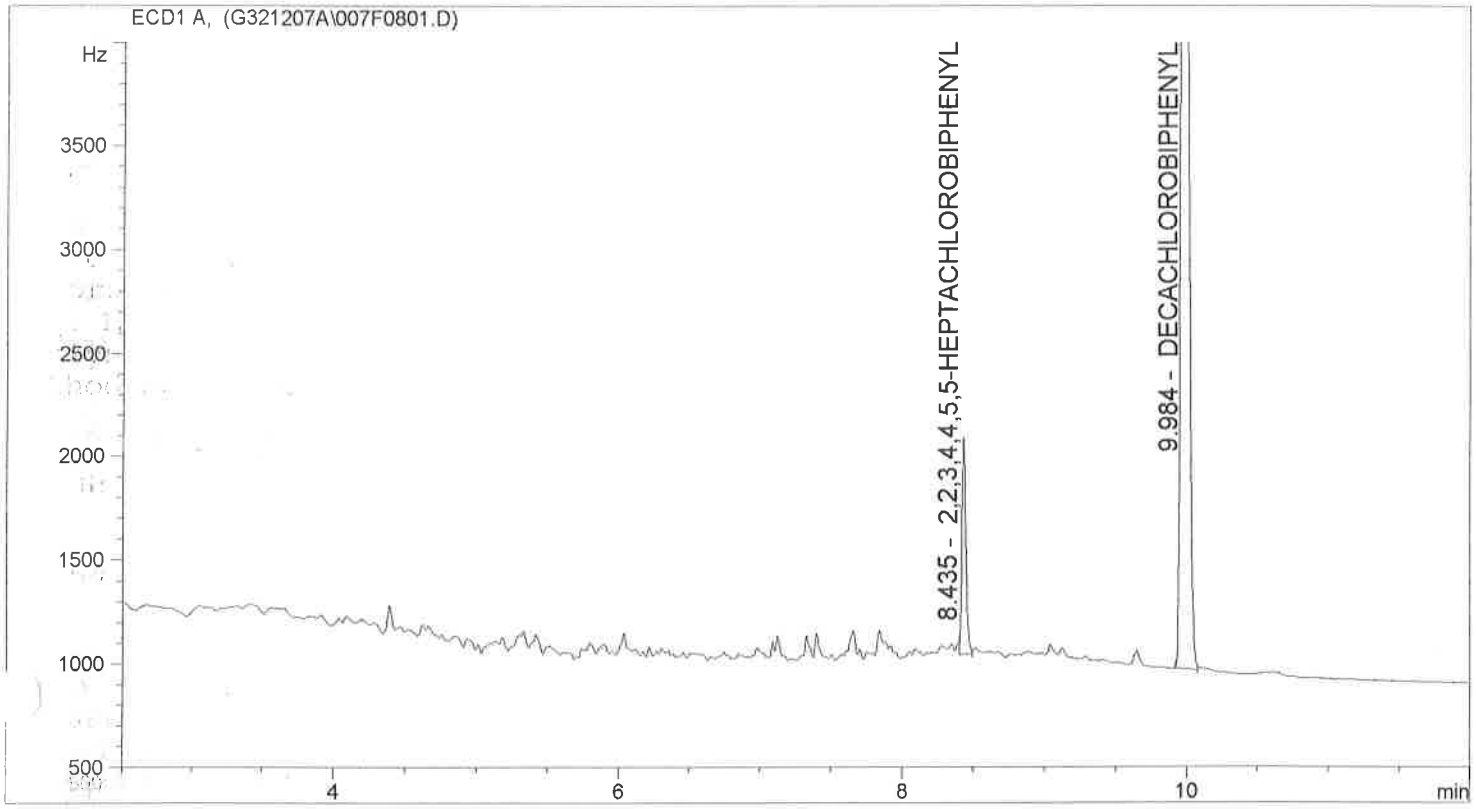
Sample Name : 2PCBS-770 F Inst. GC #32F - Congener Analysis
DAY 3 0.028 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321207A\006F0701.D
Injection Date : 12/7/2018 11:29:29 AM Analyst ID. : NK ML AH
Report Created : 12/10/201810:47:22 AM Vial No. : 6
Seq. Method : CONF18C.M Sample Amt. : 2.5681
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	8.435	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	1974.3
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.983	DECACHLOROBIPHENYL	28409.2

Comments: _____

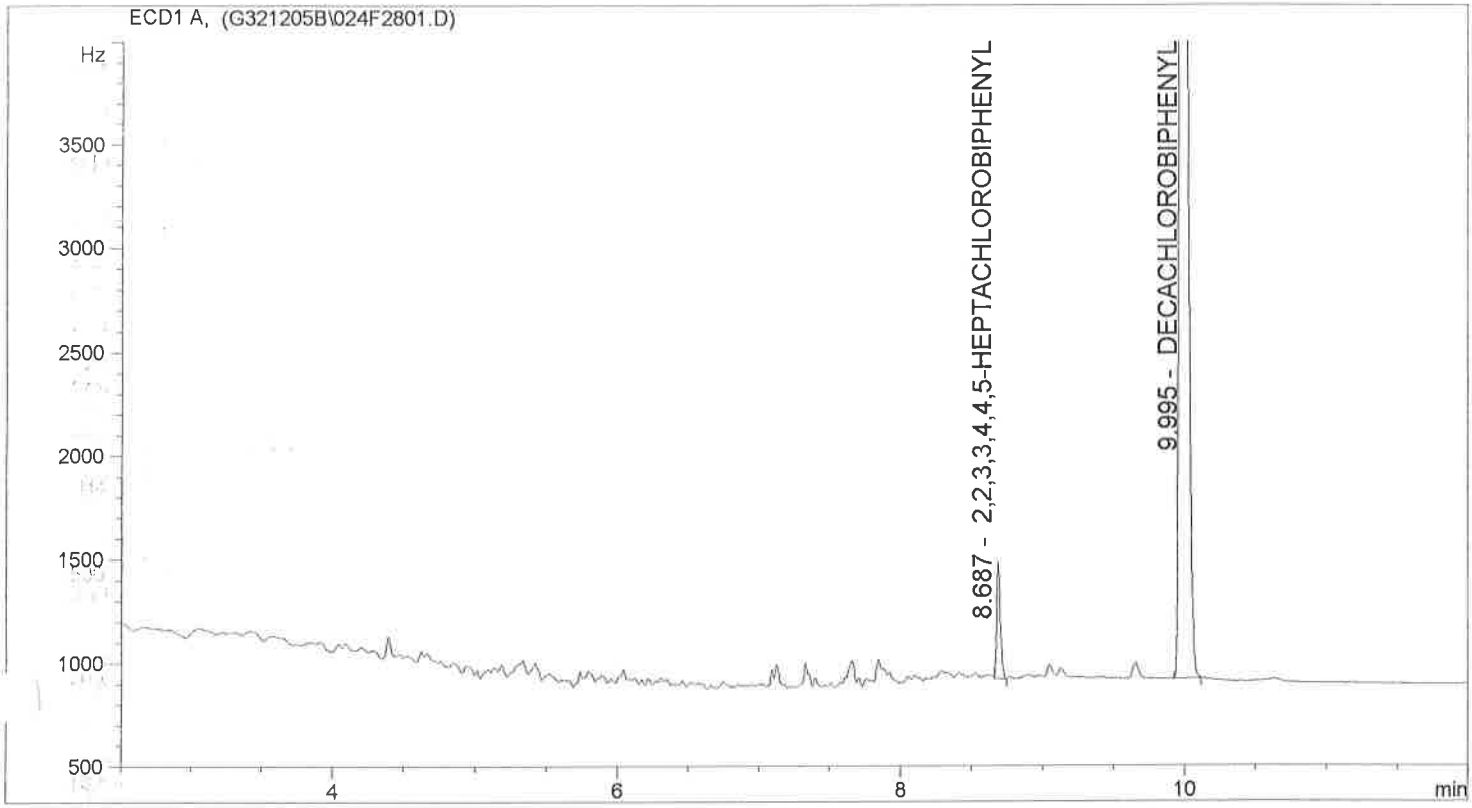
Sample Name : 2PCBS-770 G Inst. GC #32F - Congener Analysis
DAY 3 0.028 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321207A\007F0801.D
Injection Date : 12/7/2018 11:44:35 AM Analyst ID. : NK ML AH
Report Created : 12/10/201810:48:03 AM Vial No. : 7
Seq. Method : CONF18C.M Sample Amt. : 2.5535
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	8.435	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	2019.7
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.984	DECACHLOROBIPHENYL	28347.8

Comments: _____

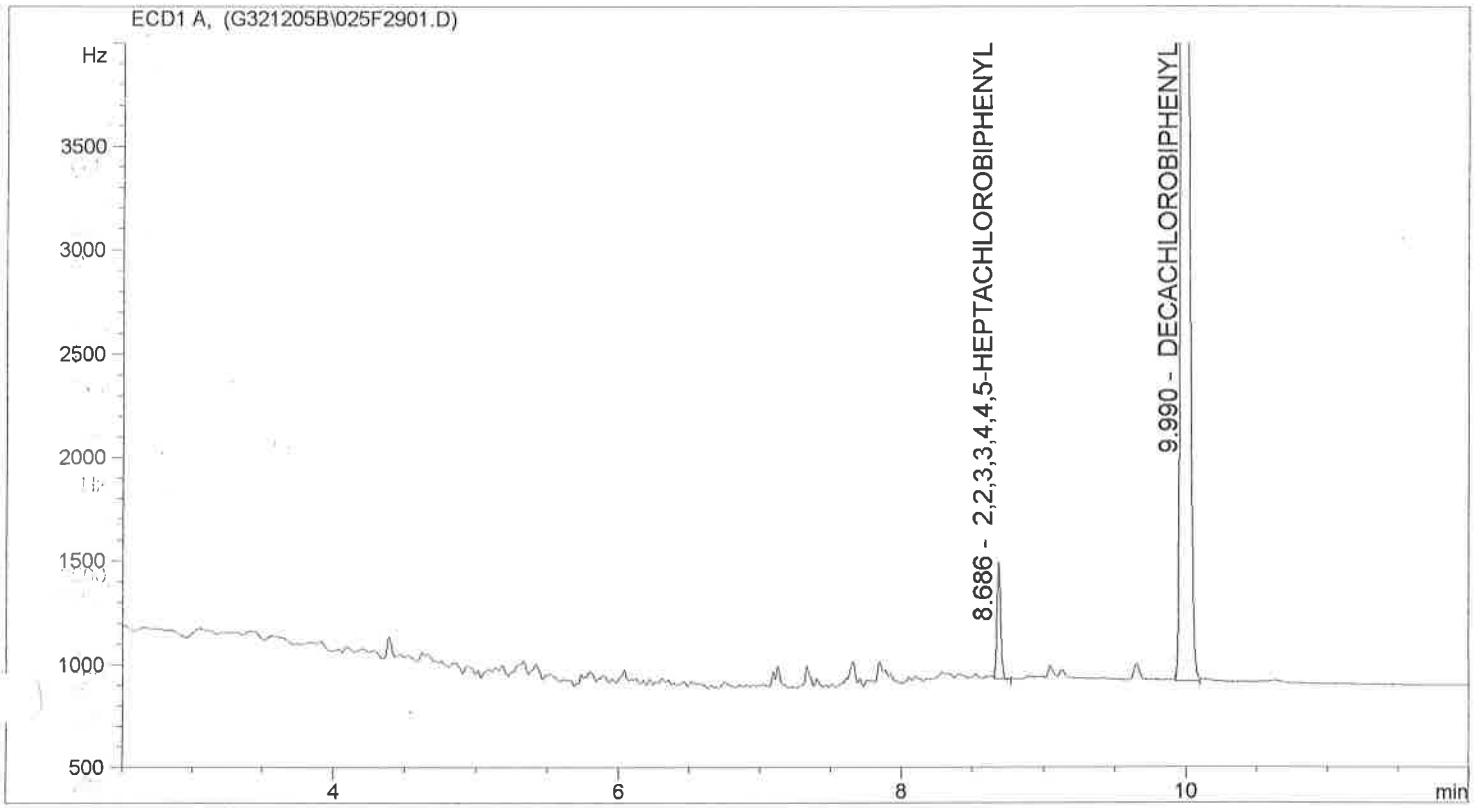
Sample Name : 2PCBS-769 A Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\024F2801.D
Injection Date : 12/5/2018 11:29:01 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:38:18 PM Vial No. : 24
Inj. Method : CONF18C.M Sample Amt. : 2.5605
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	8.687	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	1008.2
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.995	DECACHLOROBIPHENYL	32264.7

Comments: _____

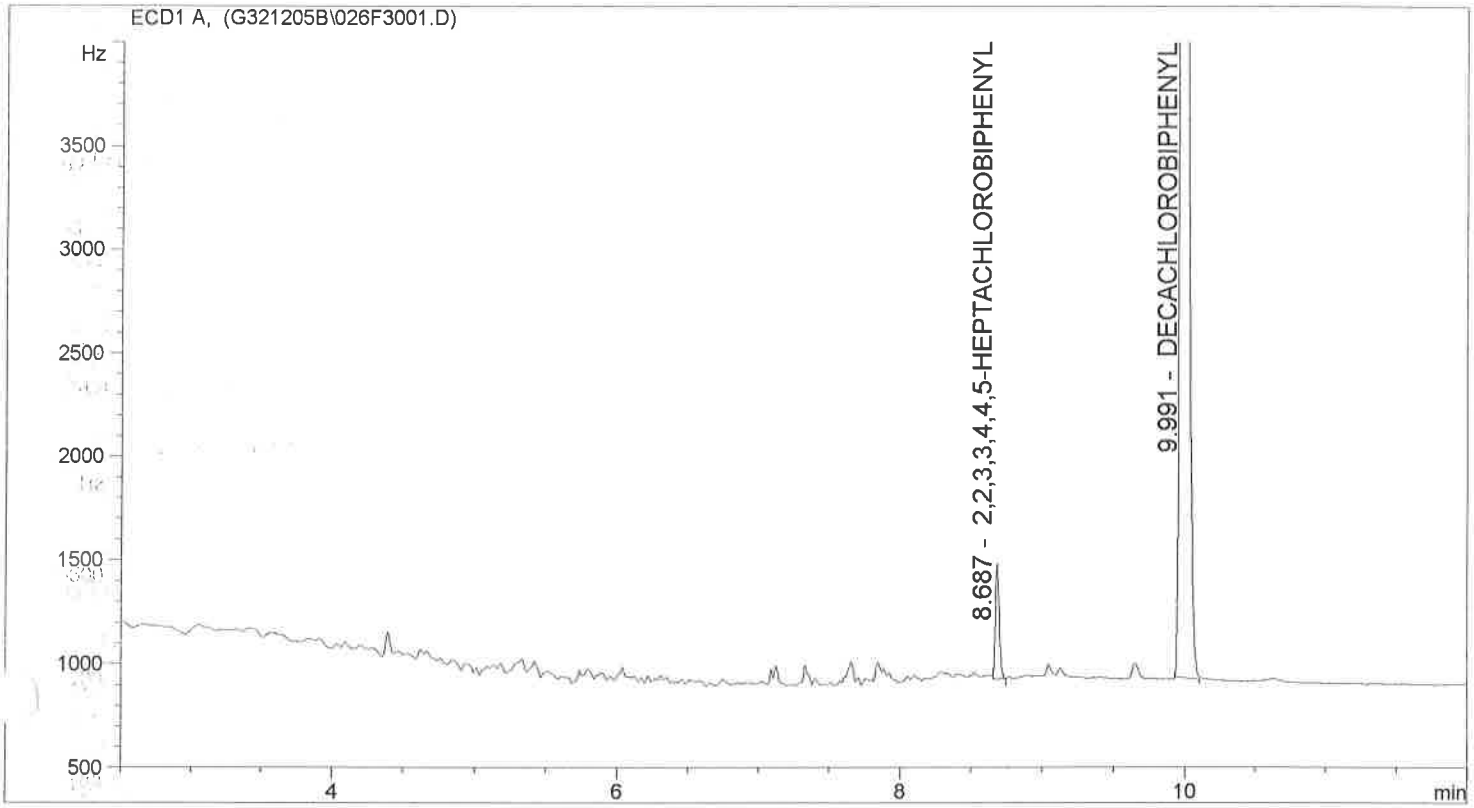
Sample Name : 2PCBS-769 B Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\025F2901.D
Injection Date : 12/5/2018 11:44:07 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:39:01 PM Vial No. : 25
Inj. Method : CONF18C.M Sample Amt. : 2.5378
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	8.686	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	983.5
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.990	DECACHLOROBIPHENYL	30325.7

Comments: _____

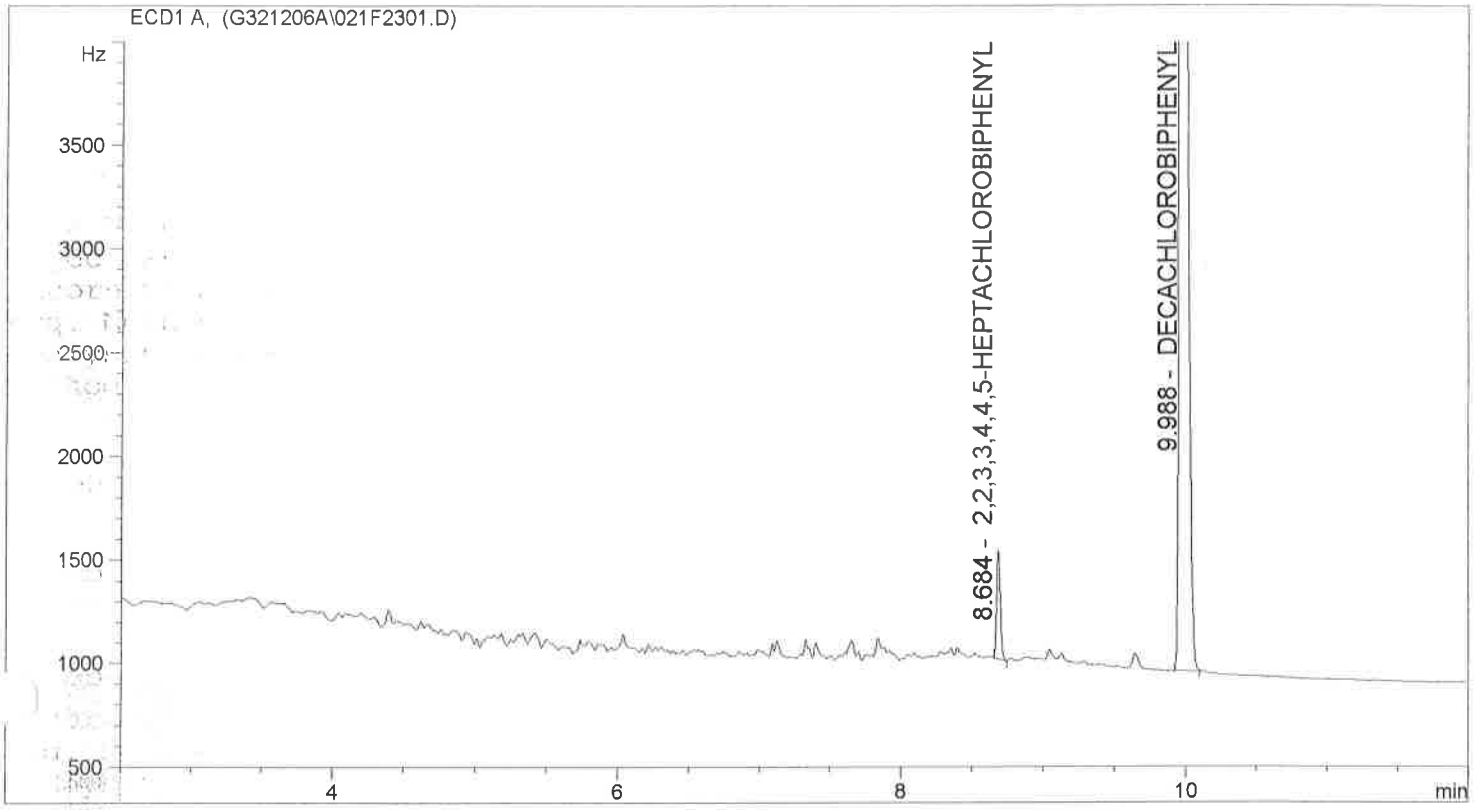
Sample Name : 2PCBS-769 C Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\026F3001.D
Injection Date : 12/5/2018 11:59:12 PM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:39:52 PM Vial No. : 26
Seq. Method : CONF18C.M Sample Amt. : 2.5769
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	8.687	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	1034.2
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.991	DECACHLOROBIPHENYL	31806.5

Comments: _____

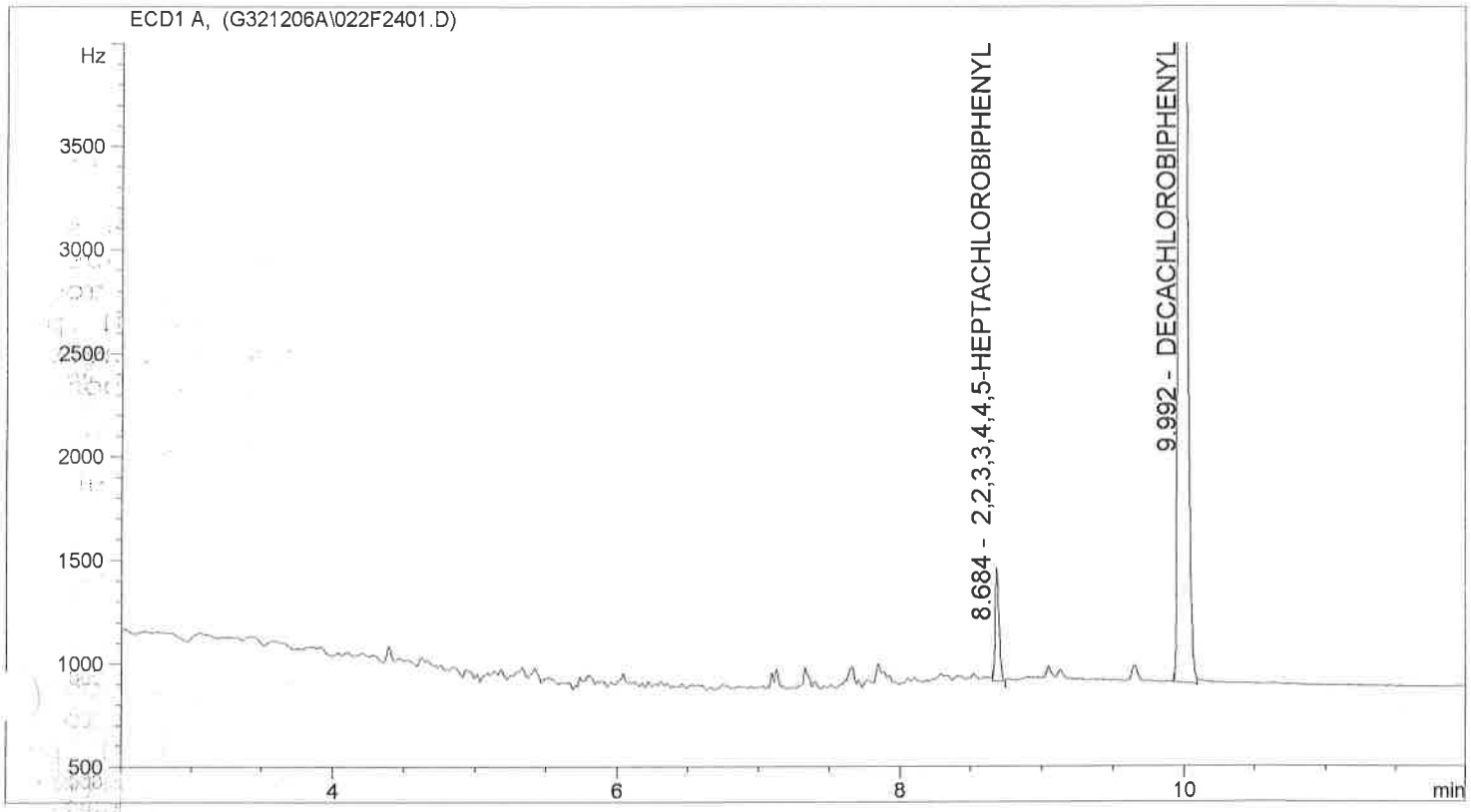
Sample Name : 2PCBS-769 D Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\021F2301.D
Injection Date : 12/6/2018 9:08:32 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:36:20 AM Vial No. : 21
Inj. Method : CONF18C.M Sample Amt. : 2.5638
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	8.684	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	945.6
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.988	DECACHLOROBIPHENYL	29971.6

Comments: _____

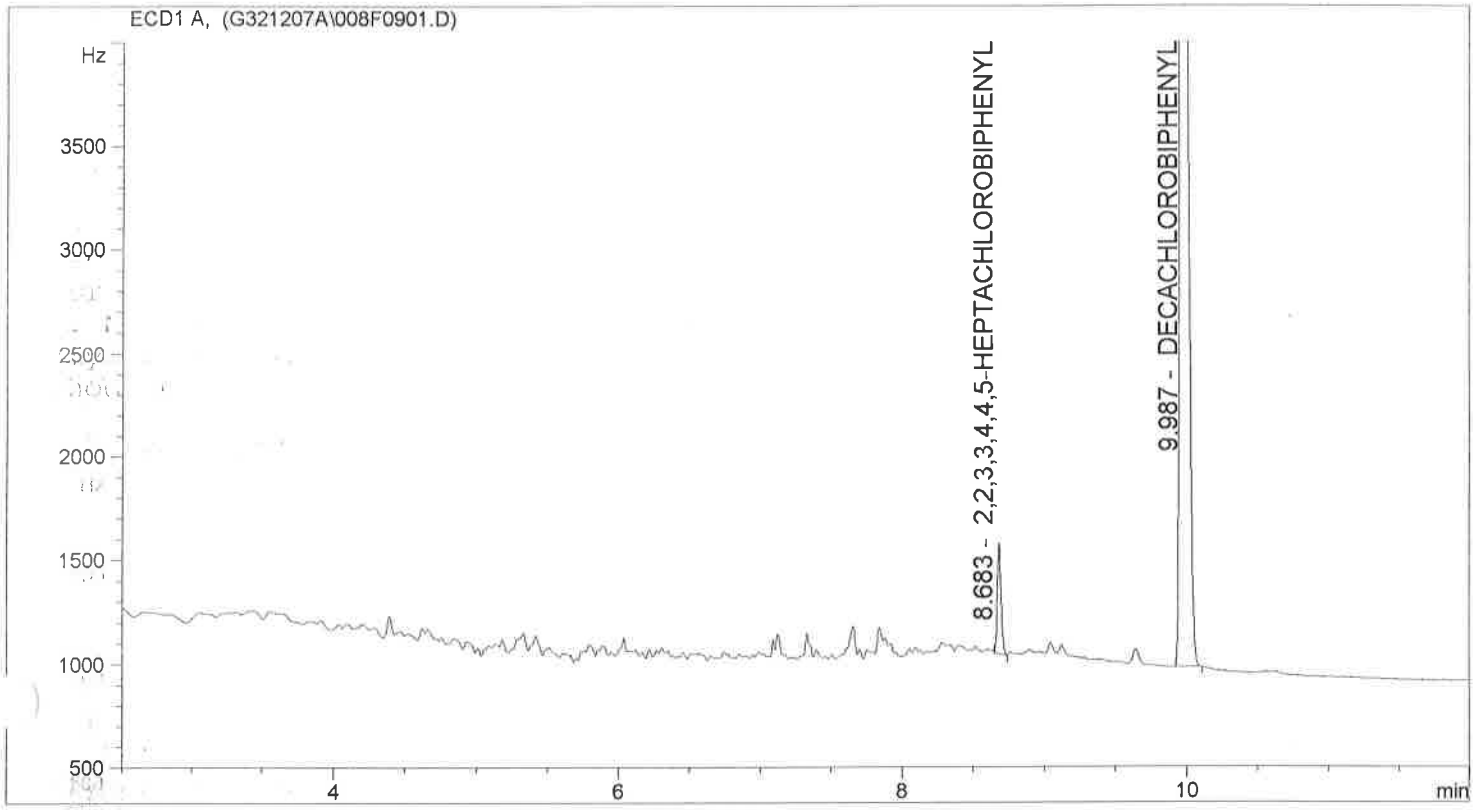
Sample Name : 2PCBS-769 E Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\022F2401.D
Injection Date : 12/6/2018 9:23:36 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:37:01 AM Vial No. : 22
Req. Method : CONF18C.M Sample Amt. : 2.5396
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	8.684	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	1030.6
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.992	DECACHLOROBIPHENYL	30549.7

Comments: _____

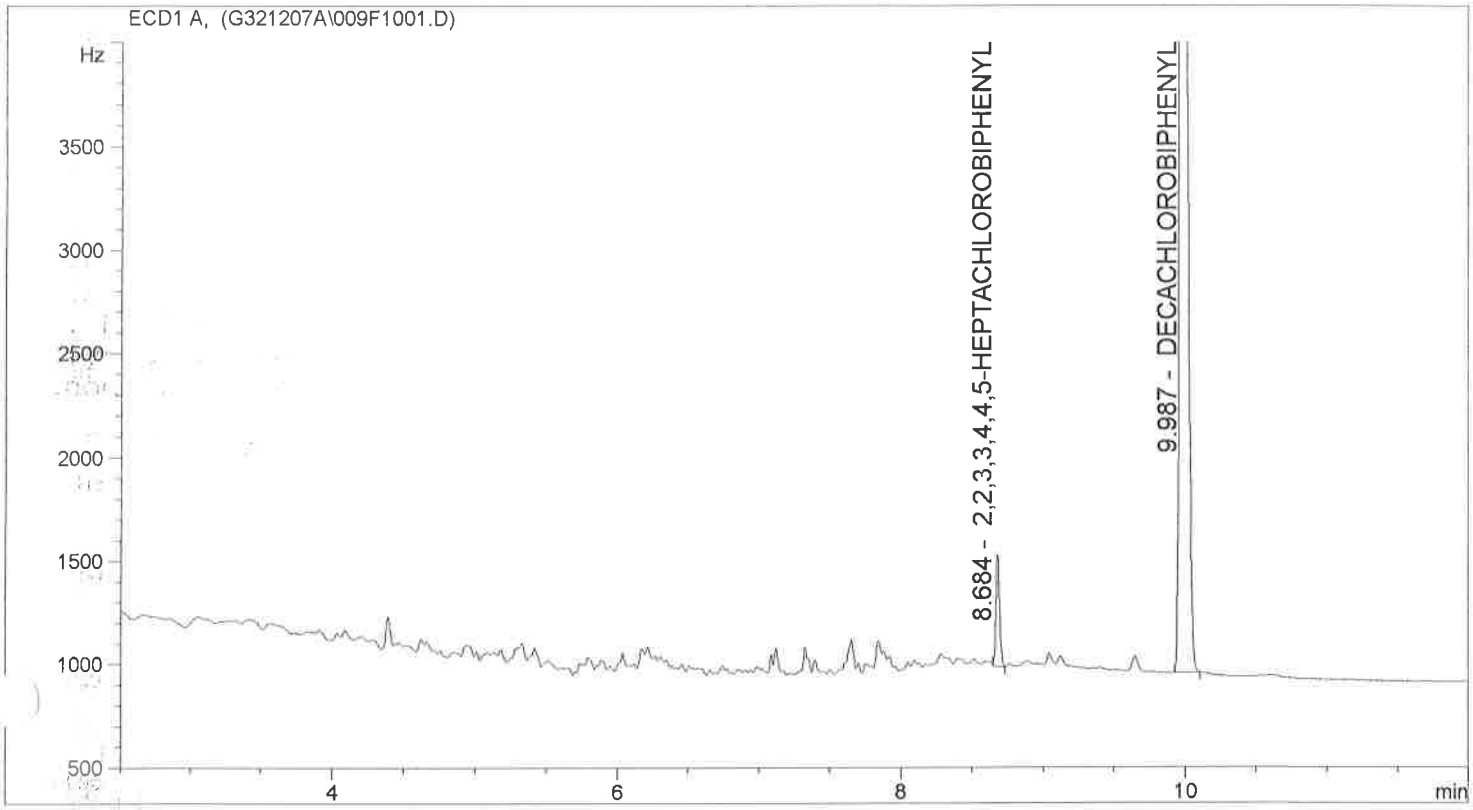
Sample Name : 2PCBS-769 F Inst. GC #32F - Congener Analysis
DAY 3 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321207A\008F0901.D
Injection Date : 12/7/2018 11:59:39 AM Analyst ID. : NK ML AH
Report Created : 12/10/201810:48:40 AM Vial No. : 8
Seq. Method : CONF18C.M Sample Amt. : 2.5505
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	8.683	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	984.0
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.987	DECACHLOROBIPHENYL	28318.9

Comments: _____

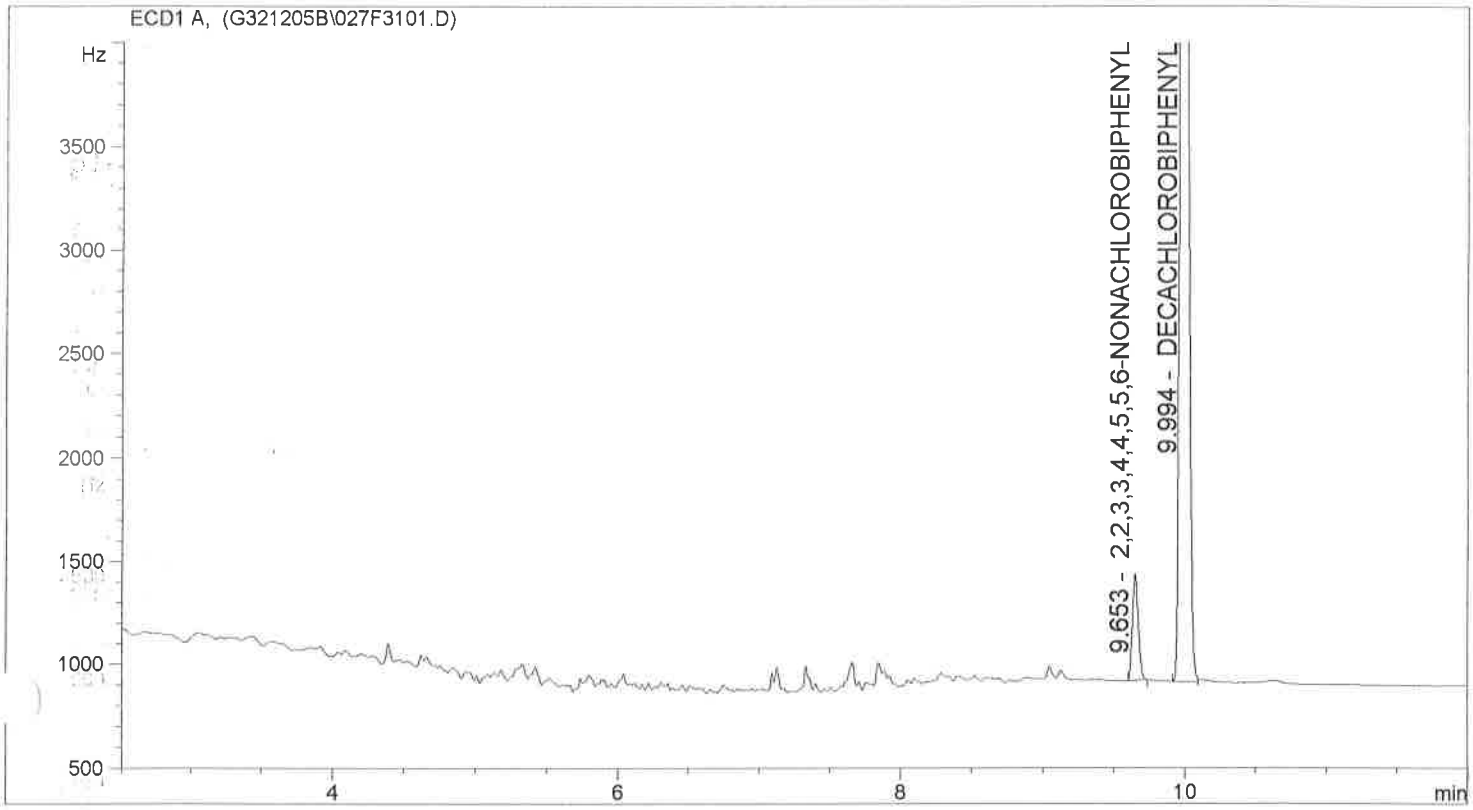
Sample Name : 2PCBS-769 G Inst. GC #32F - Congener Analysis
DAY 3 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321207A\009F1001.D
Injection Date : 12/7/2018 12:14:54 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:49:09 AM Vial No. : 9
Req. Method : CONF18C.M Sample Amt. : 2.5454
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	8.684	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	987.2
9.634	0.000	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	0.0
9.973	9.987	DECACHLOROBIPHENYL	28520.1

Comments: _____

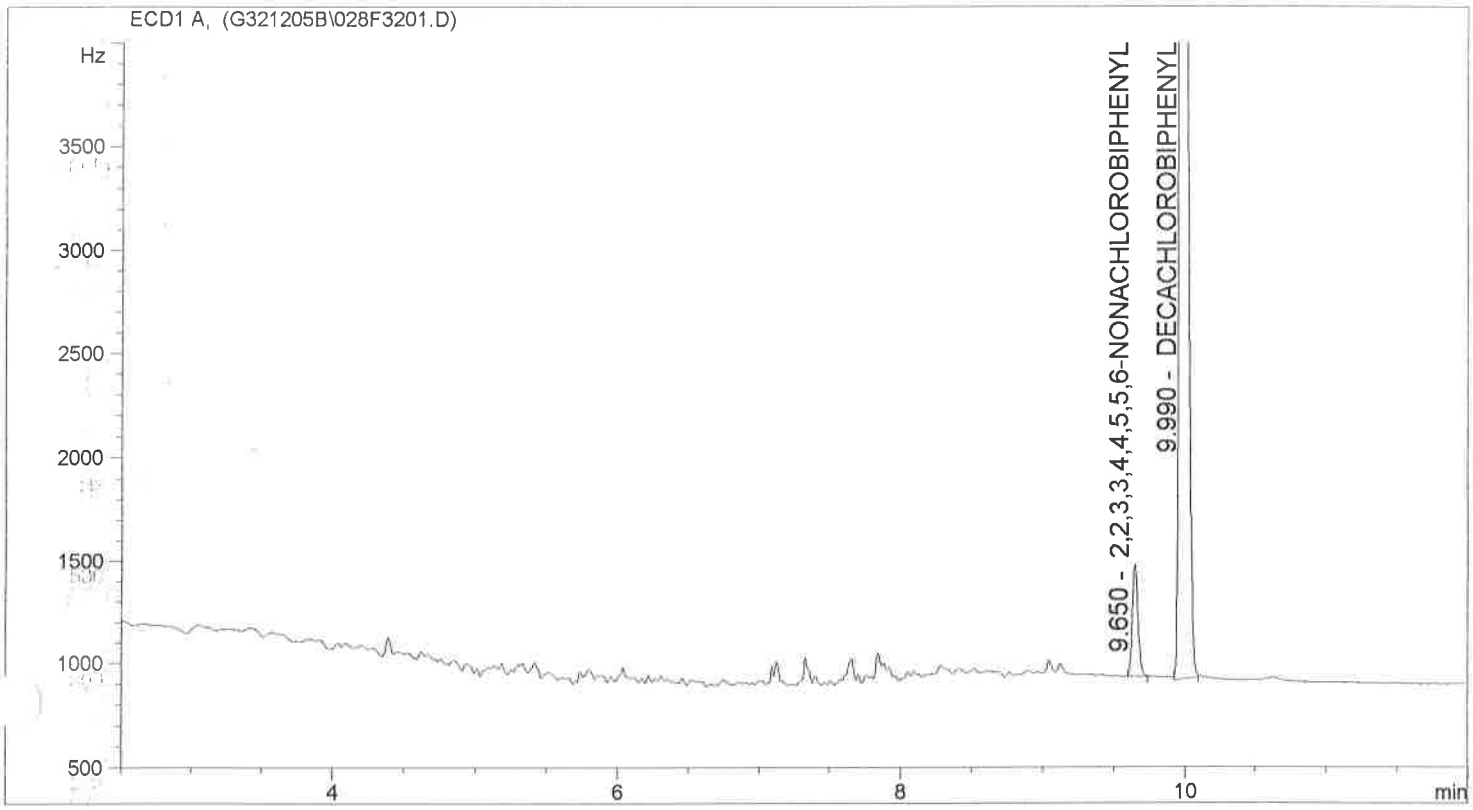
Sample Name : 2PCBS-773 A Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\027F3101.D
Injection Date : 12/6/2018 12:14:27 AM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:40:32 PM Vial No. : 27
Meq. Method : CONF18C.M Sample Amt. : 2.5516
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.653	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	1471.9
9.973	9.994	DECACHLOROBIPHENYL	31595.0

Comments: _____

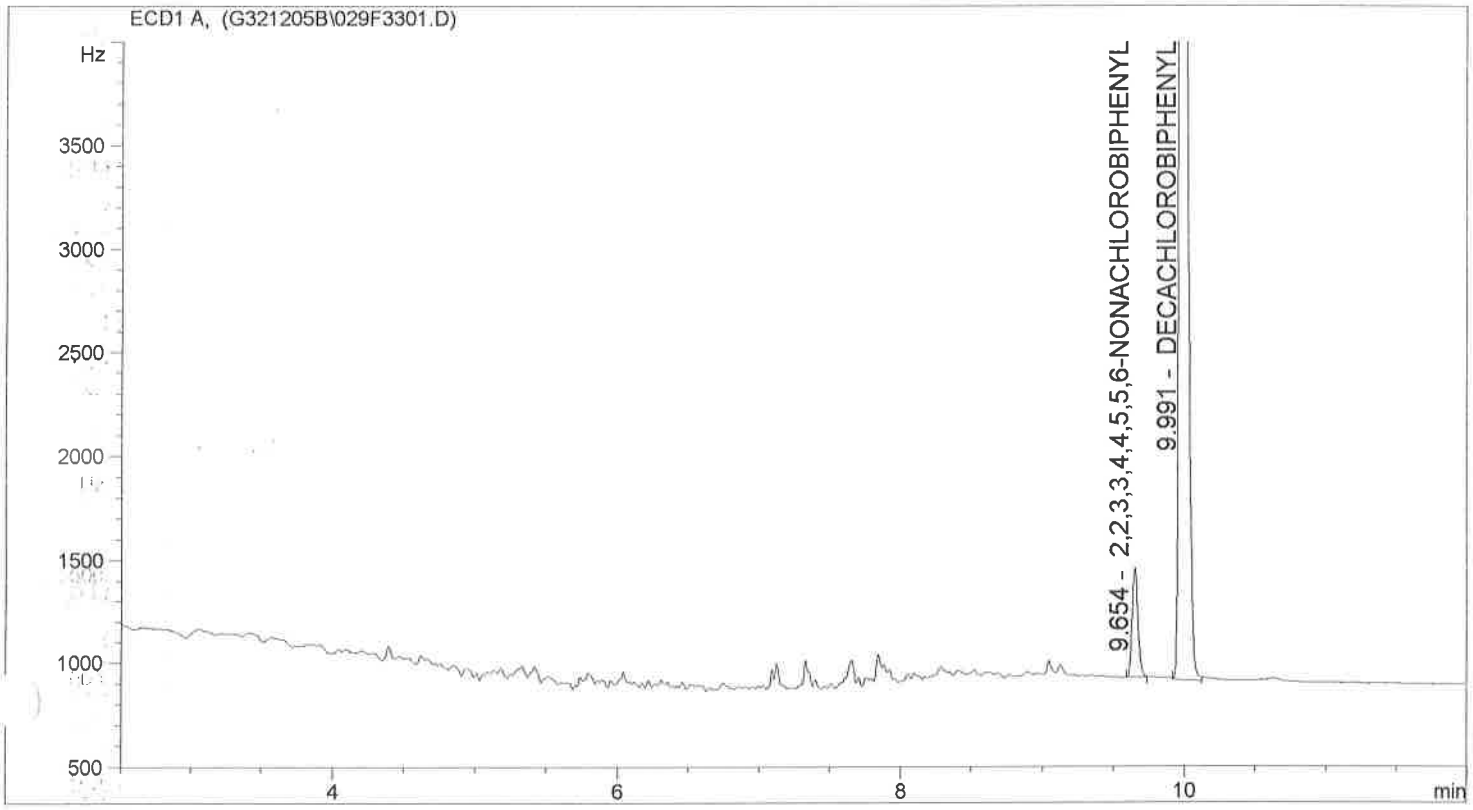
Sample Name : 2PCBS-773 B Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\028F3201.D
Injection Date : 12/6/2018 12:29:34 AM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:41:04 PM Vial No. : 28
Meq. Method : CONF18C.M Sample Amt. : 2.5289
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.650	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	1522.5
9.973	9.990	DECACHLOROBIPHENYL	31449.7

Comments: _____

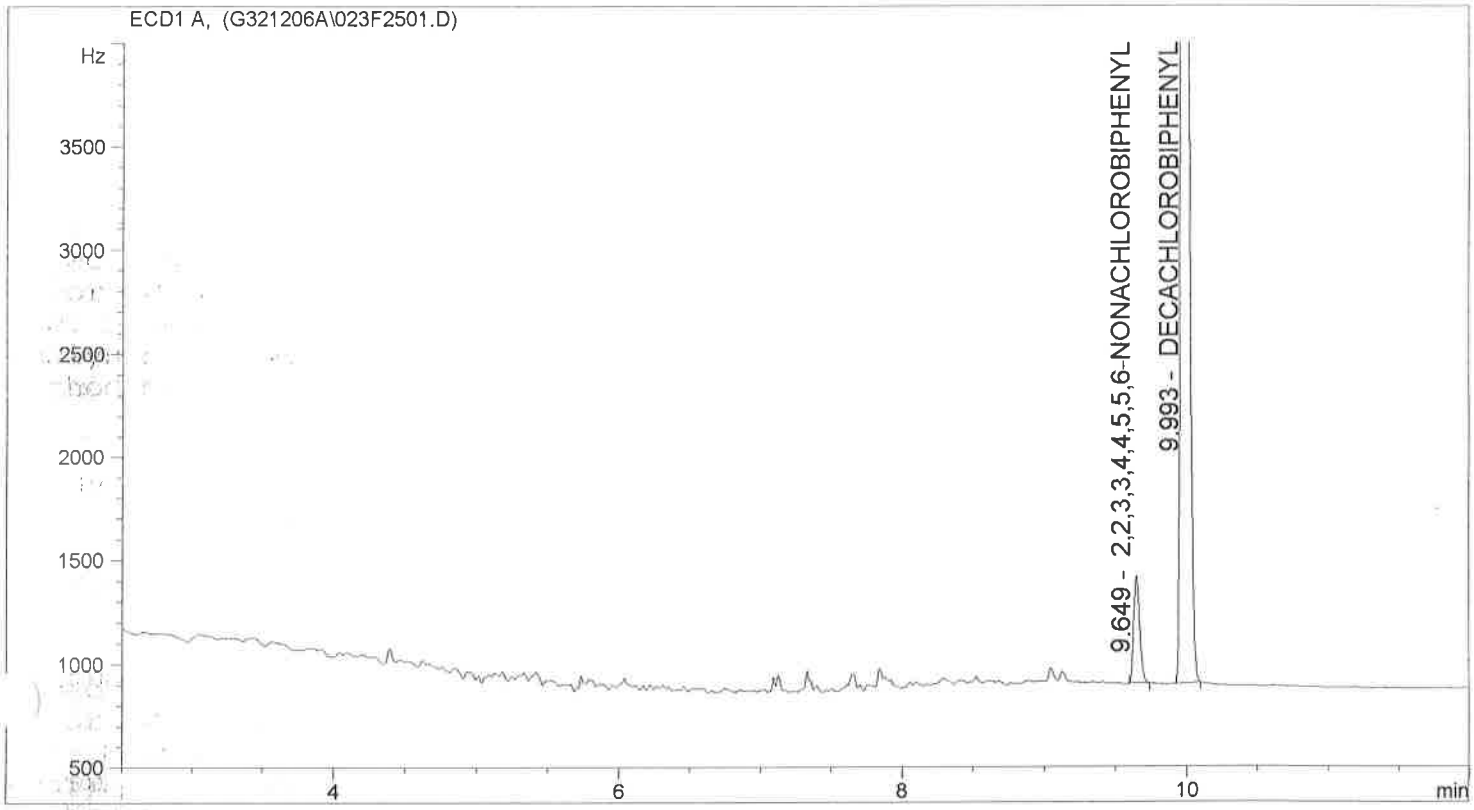
Sample Name : 2PCBS-773 C Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321205B\029F3301.D
Injection Date : 12/6/2018 12:44:40 AM Analyst ID. : NK ML AH
Report Created : 12/7/2018 3:41:36 PM Vial No. : 29
Meq. Method : CONF18C.M Sample Amt. : 2.5670
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.654	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	1500.4
9.973	9.991	DECACHLOROBIPHENYL	32125.6

Comments: _____

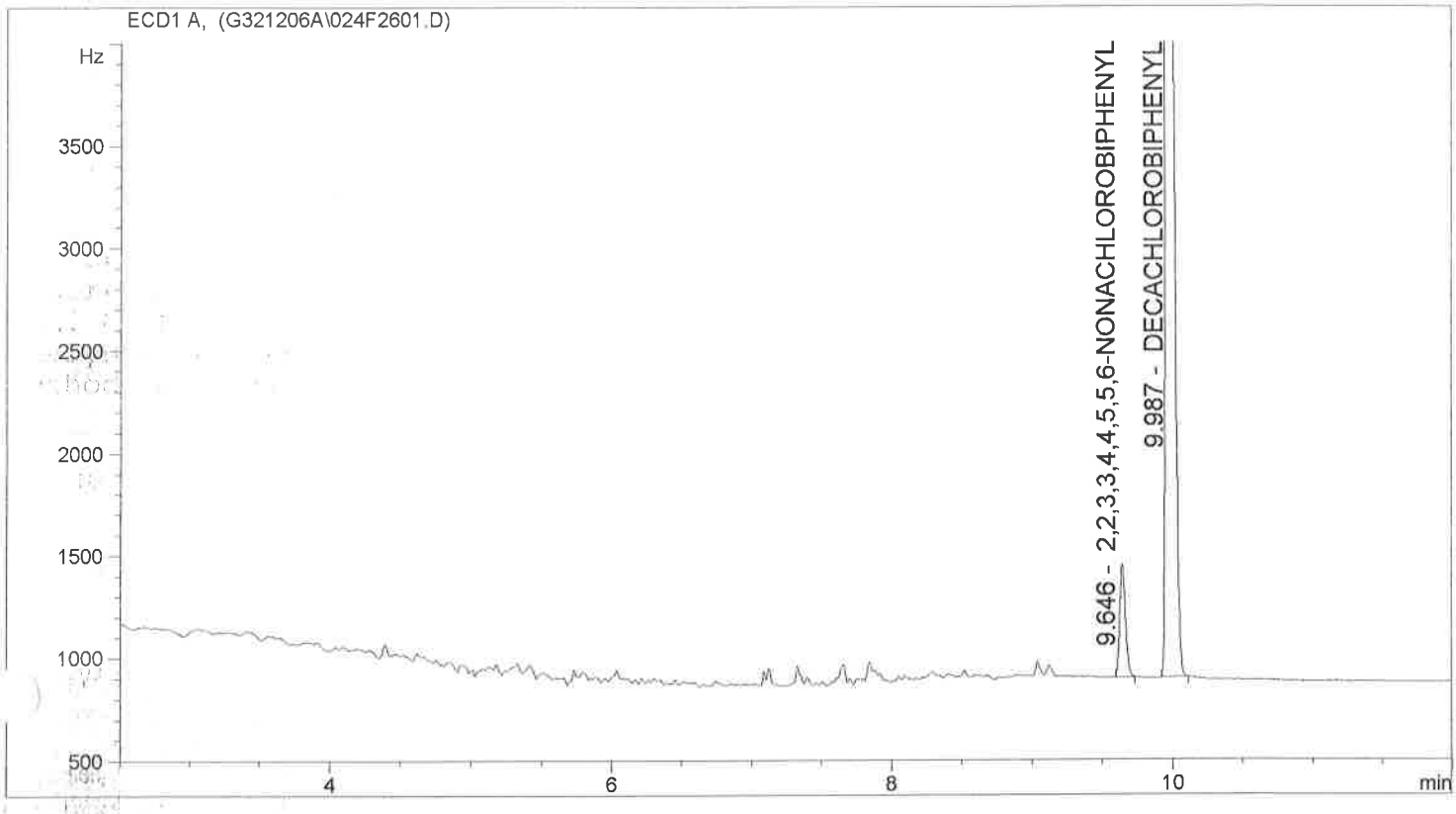
Sample Name : 2PCBS-773 D Inst. GC #32F - Congener Analysis
DAY 1 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321206A\023F2501.D
Injection Date : 12/6/2018 9:38:39 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:37:35 AM Vial No. : 23
Seq. Method : CONF18C.M Sample Amt. : 2.5584
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.649	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	1512.5
9.973	9.993	DECACHLOROBIPHENYL	30606.3

Comments: _____

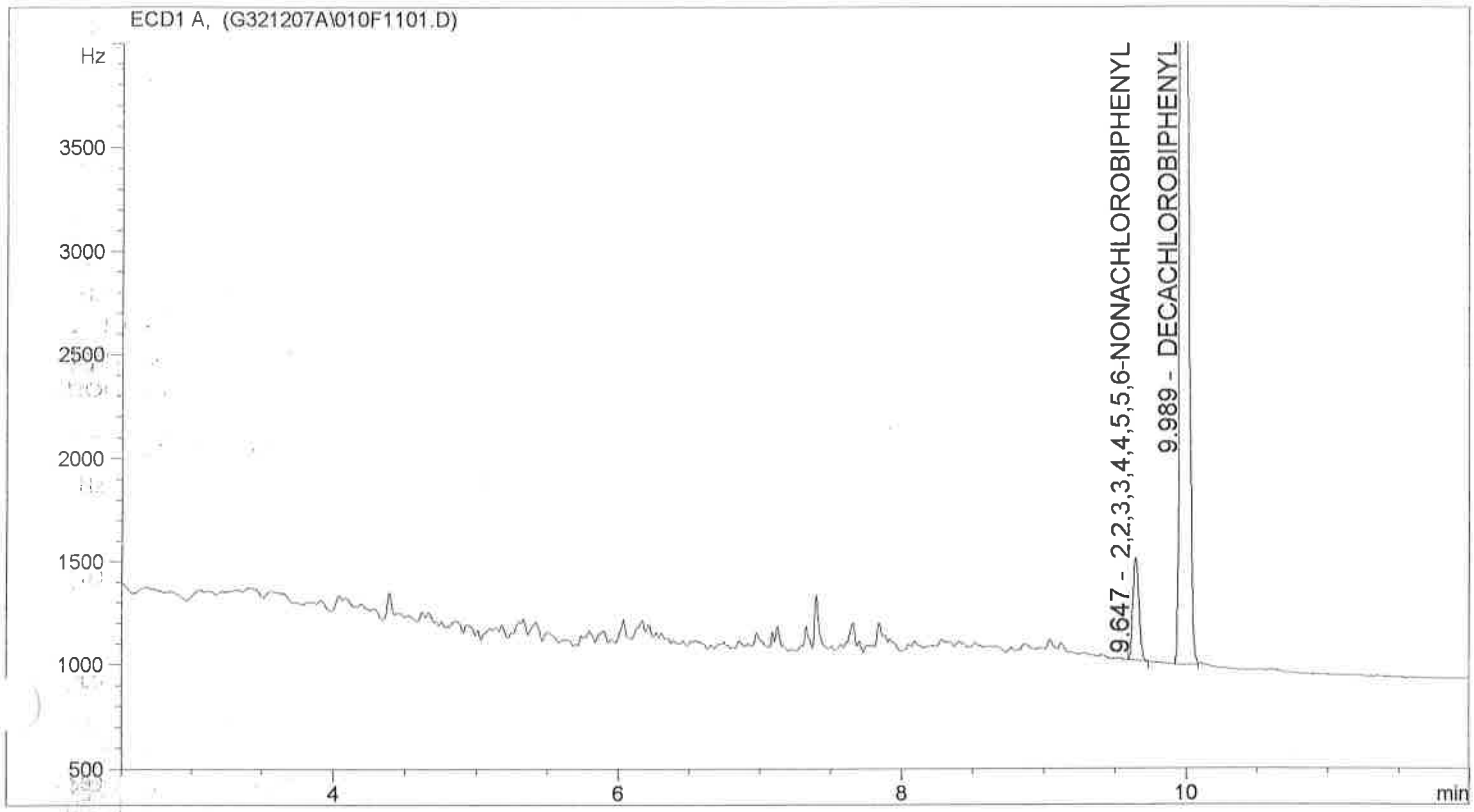
Sample Name : 2PCBS-773 E Inst. GC #32F - Congener Analysis ->
DAY 1 0.014 PPM
Data File : C:\HPCHEM\1\DATA\2018\G321206A\024F2601.D
Injection Date : 12/6/2018 9:53:54 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:37:56 AM Vial No. : 24
Meq. Method : CONF18C.M Sample Amt. : 2.5592
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.646	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	1525.9
9.973	9.987	DECACHLOROBIPHENYL	30226.9

Comments: _____

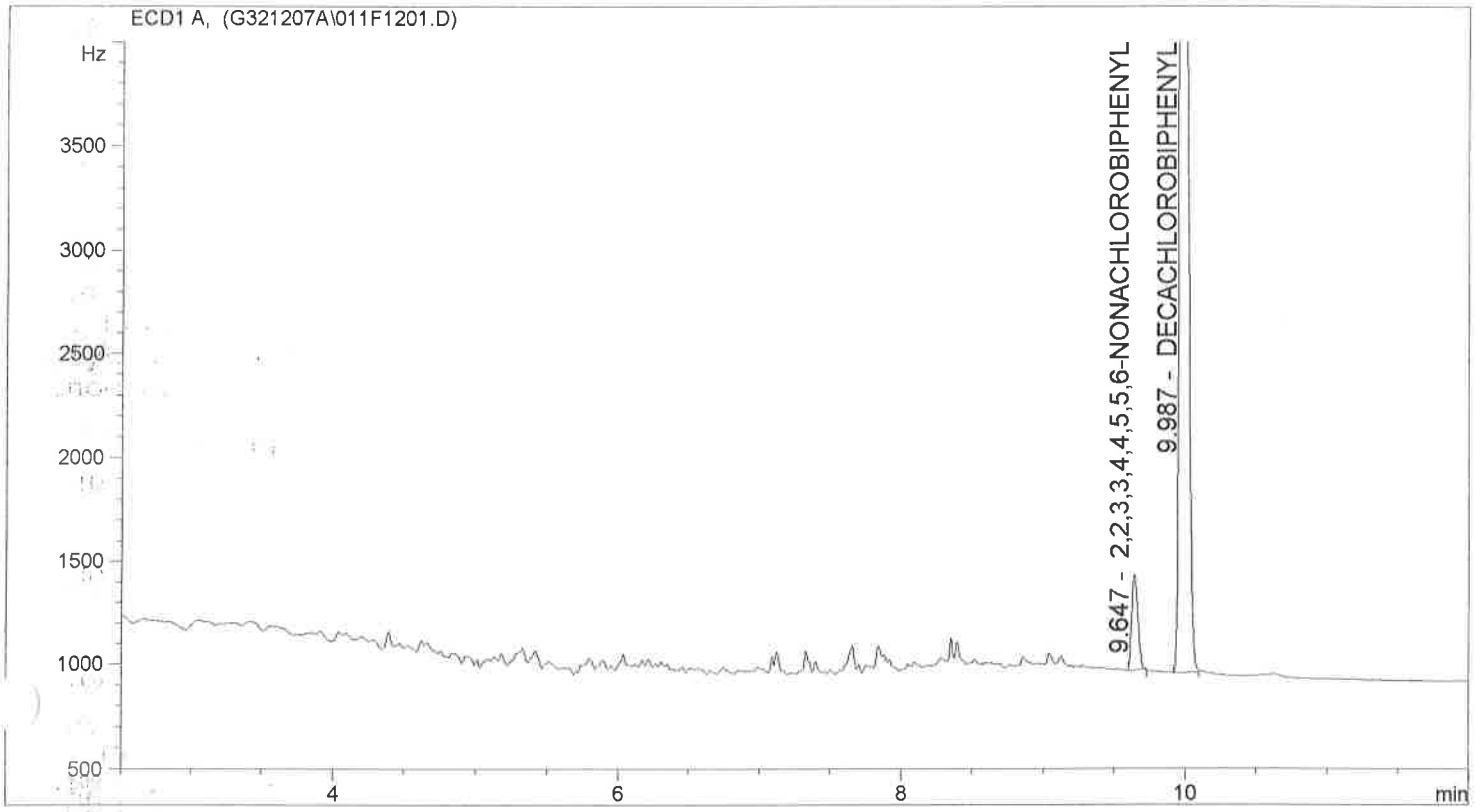
Sample Name : 2PCBS-773 F Inst. GC #32F - Congener Analysis
DAY 3 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321207A\010F1101.D
Injection Date : 12/7/2018 12:30:09 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:49:47 AM Vial No. : 10
q. Method : CONF18C.M Sample Amt. : 2.5416
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.647	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	1455.6
9.973	9.989	DECACHLOROBIPHENYL	28203.7

Comments: _____

Sample Name : 2PCBS-773 G Inst. GC #32F - Congener Analysis
DAY 3 0.014 PPM ->
Data File : C:\HPCHEM\1\DATA\2018\G321207A\011F1201.D
Injection Date : 12/7/2018 12:45:14 PM Analyst ID. : NK ML AH
Report Created : 12/10/201810:50:47 AM Vial No. : 11
q. Method : CONF18C.M Sample Amt. : 2.5453
Analysis Method: C:\HPCHEM\1\METHODS\CONF18C.M Dilution : 1.0000
Method Modified: 12/5/2018 03:26:40 PM Multiplier : 1.0000



CalTbl R.T.	Actual R.T.	Congener Name	Peak Area
3.318	0.000	2-CHLOROBIPHENYL	0.0
4.599	0.000	2,3-DICHLOROBIPHENYL	0.0
5.076	0.000	2,2,5-TRICHLOROBIPHENYL	0.0
5.589	0.000	2,4,5-TRICHLOROBIPHENYL	0.0
5.942	0.000	2,2,5,5-TETRACHLOROBIPHENYL	0.0
6.128	0.000	2,2,3,5-TETRACHLOROBIPHENYL	0.0
6.555	0.000	2,3,4,4-TETRACHLOROBIPHENYL	0.0
6.780	0.000	2,2,4,5,5-PENTACHLOROBIPHENYL	0.0
7.024	0.000	2,2,3,4,5-PENTACHLOROBIPHENYL	0.0
7.107	0.000	2,3,3,4,6-PENTACHLOROBIPHENYL	0.0
7.211	0.000	2,2,3,5,5,6-HEXACHLOROBIPHENYL	0.0
7.565	0.000	2,2,4,4,5,5-HEXACHLOROBIPHENYL	0.0
7.679	0.000	2,2,3,4,5,5-HEXACHLOROBIPHENYL	0.0
7.807	0.000	2,2,3,4,4,5-HEXACHLOROBIPHENYL	0.0
7.943	0.000	2,2,3,4,5,5,6-HEPTACHLOROBIPHENYL	0.0
7.994	0.000	2,2,3,4,4,5,6-HEPTACHLOROBIPHENYL	0.0
8.431	0.000	2,2,3,4,4,5,5-HEPTACHLOROBIPHENYL	0.0
8.677	0.000	2,2,3,3,4,4,5-HEPTACHLOROBIPHENYL	0.0
9.634	9.647	2,2,3,3,4,4,5,5,6-NONACHLOROBIPHENYL	1397.8
9.973	9.987	DECACHLOROBIPHENYL	28158.7

Comments: _____

CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321128B
DATE: 11/28/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	538.6	0.020	102	PASS
2,3-Dichlorobiphenyl	0.02	6805.3	0.021	107	PASS
2,2,5-Trichlorobiphenyl	0.02	4868.7	0.022	108	PASS
2,4,5-Trichlorobiphenyl	0.01	3670.5	0.011	110	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	4639.2	0.017	109	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6040	0.017	105	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4661.3	0.011	109	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	3916.4	0.011	111	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2269.2	0.004	111	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5096.1	0.011	107	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	4846.8	0.011	108	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4594.6	0.011	109	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	6814.9	0.011	108	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	5762.9	0.011	110	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5304.8	0.011	106	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	5790.2	0.011	105	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	10334.1	0.017	104	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	6717.3	0.010	104	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	7976.3	0.010	105	PASS
Decachlorobiphenyl	0.024	14670	0.025	104	PASS

Comments: _____

CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321129A
DATE: 11/29/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	533.2	0.020	101	PASS
2,3-Dichlorobiphenyl	0.02	6753.8	0.021	106	PASS
2,2,5-Trichlorobiphenyl	0.02	4876	0.022	108	PASS
2,4,5-Trichlorobiphenyl	0.01	3749.7	0.011	113	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	4771.8	0.018	112	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6234.9	0.017	109	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4729.1	0.011	111	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	3924.6	0.011	111	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2288.7	0.004	112	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5139.8	0.011	108	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	4883.1	0.011	109	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4647.4	0.011	110	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	6919.4	0.011	110	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	5818.2	0.011	111	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5432.2	0.011	108	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	5905.7	0.011	108	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	10569	0.017	107	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	6911.8	0.011	107	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	7971.5	0.010	105	PASS
Decachlorobiphenyl	0.024	14710.2	0.025	104	PASS

Comments: _____

CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321130A
DATE: 11/30/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	534.3	0.020	102	PASS
2,3-Dichlorobiphenyl	0.02	6607.6	0.021	104	PASS
2,2,5-Trichlorobiphenyl	0.02	4807.8	0.021	106	PASS
2,4,5-Trichlorobiphenyl	0.01	3667.2	0.011	110	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	4716.4	0.018	111	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6161.9	0.017	107	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4697.2	0.011	110	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	3912	0.011	111	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2263.8	0.004	110	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5080.9	0.011	107	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	4851.5	0.011	108	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4597.4	0.011	109	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	6844.2	0.011	109	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	5825	0.011	111	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5353.5	0.011	107	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	5837.1	0.011	106	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	10263.1	0.017	103	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	6769.7	0.010	104	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	7924.9	0.010	104	PASS
Decachlorobiphenyl	0.024	14578.8	0.025	103	PASS

Comments: _____

CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321129A
DATE: 11/29/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	559.2	0.021	106	PASS
2,3-Dichlorobiphenyl	0.02	6835.9	0.022	108	PASS
2,2,5-Trichlorobiphenyl	0.02	4870.1	0.022	108	PASS
2,4,5-Trichlorobiphenyl	0.01	3706.9	0.011	111	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	4820.9	0.018	113	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6253.2	0.017	109	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4745.6	0.011	112	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	3943.7	0.011	112	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2280.3	0.004	111	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5113.6	0.011	107	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	4859.6	0.011	108	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4596.9	0.011	109	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	6857.2	0.011	109	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	5784.1	0.011	110	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5384.1	0.011	107	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	5828.6	0.011	106	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	10324.9	0.017	104	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	6763.7	0.010	104	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	7984.7	0.010	105	PASS
Decachlorobiphenyl	0.024	14726.2	0.025	104	PASS

Comments: _____

CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321130A
DATE: 11/30/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	556.2	0.021	106	PASS
2,3-Dichlorobiphenyl	0.02	6664.8	0.021	105	PASS
2,2,5-Trichlorobiphenyl	0.02	4816.9	0.021	107	PASS
2,4,5-Trichlorobiphenyl	0.01	3730.5	0.011	112	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	4729	0.018	111	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6174.1	0.017	108	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4703.8	0.011	111	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	3938.5	0.011	112	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2269.5	0.004	111	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5118	0.011	108	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	4865.9	0.011	108	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4586.1	0.011	109	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	6637.8	0.011	105	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	5749.1	0.011	109	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5365.3	0.011	107	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	5849.4	0.011	107	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	10319	0.017	104	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	6850.5	0.011	106	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	8044.8	0.011	106	PASS
Decachlorobiphenyl	0.024	14766.1	0.025	104	PASS

Comments: _____

CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321204A
DATE: 12/04/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	530	0.020	101	PASS
2,3-Dichlorobiphenyl	0.02	6914.8	0.022	109	PASS
2,2,5-Trichlorobiphenyl	0.02	4871.2	0.022	108	PASS
2,4,5-Trichlorobiphenyl	0.01	3658.4	0.011	110	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	4728	0.018	111	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6158.7	0.017	107	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4672.6	0.011	110	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	3840.1	0.011	109	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2264.1	0.004	110	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5106.5	0.011	107	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	4932.1	0.011	110	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4579.7	0.011	109	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	6895.1	0.011	110	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	5857.5	0.011	112	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5444.7	0.011	109	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	5936.6	0.011	108	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	10633.5	0.017	107	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	6948.1	0.011	107	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	8077.9	0.011	106	PASS
Decachlorobiphenyl	0.024	14876.9	0.025	105	PASS

Comments: _____

CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321204B
DATE: 12/04/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	535.8	0.020	102	PASS
2,3-Dichlorobiphenyl	0.02	6848.4	0.022	108	PASS
2,2,5-Trichlorobiphenyl	0.02	4910.5	0.022	109	PASS
2,4,5-Trichlorobiphenyl	0.01	3807.8	0.011	114	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	4887.8	0.018	115	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6337.3	0.018	111	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4815.7	0.011	113	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	4021.5	0.011	114	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2333.1	0.005	114	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5215.5	0.011	110	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	5010.8	0.011	112	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4749.3	0.011	113	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	7075.5	0.011	113	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	5972.8	0.011	114	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5538.4	0.011	111	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	6047.3	0.011	110	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	10692.4	0.017	108	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	7003.8	0.011	108	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	8175.9	0.011	108	PASS
Decachlorobiphenyl	0.024	15082.4	0.026	107	PASS

Comments: _____

CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321205B
DATE: 12/05/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	549	0.021	104	PASS
2,3-Dichlorobiphenyl	0.02	6827	0.022	108	PASS
2,2,5-Trichlorobiphenyl	0.02	4900.9	0.022	109	PASS
2,4,5-Trichlorobiphenyl	0.01	3751.5	0.011	113	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	4806.5	0.018	113	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6245.9	0.017	109	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4854.3	0.011	114	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	3941.4	0.011	112	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2272.6	0.004	111	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5121.9	0.011	108	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	4920.3	0.011	110	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4675.7	0.011	111	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	6930.1	0.011	110	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	5791.2	0.011	110	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5411.8	0.011	108	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	5918.2	0.011	108	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	10513.1	0.017	106	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	6967.6	0.011	108	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	8164.8	0.011	107	PASS
Decachlorobiphenyl	0.024	14995.1	0.025	106	PASS

Comments: _____

CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321206A
DATE: 12/06/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	556.3	0.021	106	PASS
2,3-Dichlorobiphenyl	0.02	6786.5	0.021	107	PASS
2,2,5-Trichlorobiphenyl	0.02	4906.6	0.022	109	PASS
2,4,5-Trichlorobiphenyl	0.01	3712.6	0.011	111	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	4747.6	0.018	111	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6190.2	0.017	108	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4711.1	0.011	111	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	3953	0.011	112	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2306.1	0.005	113	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5169.9	0.011	109	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	4936.2	0.011	110	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4669.2	0.011	111	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	6947.5	0.011	110	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	5924.2	0.011	113	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5442.1	0.011	109	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	5929.4	0.011	108	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	10502.4	0.017	106	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	6931.3	0.011	107	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	8045.5	0.011	106	PASS
Decachlorobiphenyl	0.024	14843.6	0.025	105	PASS

Comments: _____

CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321205B
DATE: 12/05/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	528.8	0.020	101	PASS
2,3-Dichlorobiphenyl	0.02	6797.2	0.021	107	PASS
2,2,5-Trichlorobiphenyl	0.02	4820.8	0.021	107	PASS
2,4,5-Trichlorobiphenyl	0.01	3661.2	0.011	110	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	4666.2	0.017	109	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6199.1	0.017	108	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4886.7	0.012	115	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	3947.1	0.011	112	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2287.2	0.004	112	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5223.4	0.011	110	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	5002	0.011	112	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4662.6	0.011	111	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	7012.6	0.011	112	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	5840.9	0.011	111	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5411.6	0.011	108	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	5932.6	0.011	108	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	10639.3	0.017	107	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	6973.9	0.011	108	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	8215	0.011	108	PASS
Decachlorobiphenyl	0.024	15090.6	0.026	107	PASS

Comments: _____

CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321206A
DATE: 12/06/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	531	0.020	101	PASS
2,3-Dichlorobiphenyl	0.02	6693.7	0.021	105	PASS
2,2,5-Trichlorobiphenyl	0.02	4801.7	0.021	106	PASS
2,4,5-Trichlorobiphenyl	0.01	3604	0.011	108	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	4615.4	0.017	108	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6049.2	0.017	105	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4636.9	0.011	109	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	3914.4	0.011	111	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2228.1	0.004	109	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5073.6	0.011	107	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	4884.6	0.011	109	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4489.8	0.011	106	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	6782.9	0.011	108	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	5624.3	0.011	107	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5296.8	0.011	105	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	5810	0.011	106	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	10362.3	0.017	104	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	6791.9	0.010	105	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	8053	0.011	106	PASS
Decachlorobiphenyl	0.024	14779.2	0.025	104	PASS

Comments: _____

CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321207A
DATE: 12/07/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	521.7	0.020	99	PASS
2,3-Dichlorobiphenyl	0.02	6717.3	0.021	106	PASS
2,2,5-Trichlorobiphenyl	0.02	4843.6	0.021	107	PASS
2,4,5-Trichlorobiphenyl	0.01	3749.7	0.011	113	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	4793.4	0.018	113	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6203.1	0.017	108	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4727	0.011	111	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	3974.6	0.011	113	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2269.7	0.004	111	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5113	0.011	107	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	4903.7	0.011	109	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4646.6	0.011	110	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	6914	0.011	110	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	5767.3	0.011	110	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5411.2	0.011	108	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	5893.4	0.011	107	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	10484.3	0.017	106	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	6826.6	0.011	105	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	8057.4	0.011	106	PASS
Decachlorobiphenyl	0.024	14823.6	0.025	105	PASS

Comments: _____

CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321213A
DATE: 12/13/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	536.4	0.020	102	PASS
2,3-Dichlorobiphenyl	0.02	6922.4	0.022	109	PASS
2,2,5-Trichlorobiphenyl	0.02	5052.7	0.023	113	PASS
2,4,5-Trichlorobiphenyl	0.01	3856.1	0.012	116	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	4963.8	0.019	117	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6474.6	0.018	114	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4972.2	0.012	117	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	4139.3	0.012	118	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2371.5	0.005	116	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5346.2	0.011	113	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	5151.9	0.012	115	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4892.9	0.012	116	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	7322.4	0.012	117	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	6161.7	0.012	118	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5770.2	0.012	116	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	6282.3	0.011	115	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	11182	0.018	113	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	7262.7	0.011	112	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	8421.6	0.011	111	PASS
Decachlorobiphenyl	0.024	15469.4	0.026	110	PASS

Comments: _____

CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321214A
DATE: 12/14/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	548.9	0.021	104	PASS
2,3-Dichlorobiphenyl	0.02	6877.9	0.022	108	PASS
2,2,5-Trichlorobiphenyl	0.02	5027	0.022	112	PASS
2,4,5-Trichlorobiphenyl	0.01	3833.3	0.012	115	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	5008	0.019	118	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6456.7	0.018	113	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4888.5	0.012	115	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	4071.8	0.012	116	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2372.3	0.005	116	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5316.1	0.011	112	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	5175.4	0.012	116	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4849.7	0.012	115	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	7091.8	0.011	113	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	6063.8	0.012	116	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5744.9	0.011	115	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	6265.5	0.011	114	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	11162.1	0.018	113	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	7237.4	0.011	112	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	8357	0.011	110	PASS
Decachlorobiphenyl	0.024	15395	0.026	109	PASS

Comments: _____

CCS Calculation

CCS BATCH#: 2PCBS791
METHOD ID: CONF18C.M
SEQUENCE: G321215A
DATE: 12/15/2018

Congener	(ug/mL)	Area	Recovery (ug/mL)	Percent Recovery	Pass/Fail
2-Clorobiphenyl	0.02	540.7	0.021	103	PASS
2,3-Dichlorobiphenyl	0.02	6864	0.022	108	PASS
2,2,5-Trichlorobiphenyl	0.02	5011.7	0.022	112	PASS
2,4,5-Trichlorobiphenyl	0.01	3849.9	0.012	116	PASS
2,2,5,5-Tetrachlorobiphenyl	0.016	4930.3	0.019	116	PASS
2,2,3,5-Tetrachlorobiphenyl	0.016	6467.9	0.018	114	PASS
2,3,4,4-Tetrachlorobiphenyl	0.01	4916.4	0.012	116	PASS
2,2,4,5,5-Pentachlorobiphenyl	0.01	4116.9	0.012	117	PASS
2,2,3,4,5-Pentachlorobiphenyl	0.004	2317.1	0.005	113	PASS
2,3,3,4,6-Pentachlorobiphenyl	0.01	5308.8	0.011	112	PASS
2,2,3,5,5,6-Hexachlorobiphenyl	0.01	5110.3	0.011	114	PASS
2,2,4,4,5,5-Hexachlorobiphenyl	0.01	4863.9	0.012	116	PASS
2,2,3,4,5,5-Hexachlorobiphenyl	0.01	7108.2	0.011	113	PASS
2,2,3,4,4,5-Hexachlorobiphenyl	0.01	6105	0.012	117	PASS
2,2,3,4,5,5,6-Heptachlorobiphenyl	0.01	5741.1	0.011	115	PASS
2,2,3,4,4,5,6-Heptachlorobiphenyl	0.01	6269	0.011	114	PASS
2,2,3,4,4,5,5-Heptachlorobiphenyl	0.016	11574.7	0.019	117	PASS
2,2,3,3,4,4,5-Heptachlorobiphenyl	0.01	7307.2	0.011	113	PASS
2,2,3,3,4,4,5,5,6-Nonachlorobiphenyl	0.01	8398.2	0.011	111	PASS
Decachlorobiphenyl	0.024	15338	0.026	109	PASS

Comments: _____